

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080319\
 Data File : BF115975.D
 Acq On : 3 Aug 2019 12:23
 Operator : HP/JU
 Sample : IDOC BS-SOIL01-RC
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL01-RC

Quant Time: Aug 05 01:17:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	140201	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	571706	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	320346	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	562185	20.00	ng	0.00
76) Chrysene-d12	14.03	240	408330	20.00	ng	0.00
87) Perylene-d12	15.50	264	363215	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	977711	116.74	ng	0.02
7) Phenol-d6	6.49	99	1246470	117.97	ng	0.00
23) Nitrobenzene-d5	7.42	82	827667	83.57	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	369302	118.91	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1445058	84.49	ng	0.00
79) Terphenyl-d14	12.97	244	1651582	85.23	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.71	88	174479	41.239	ng	99
3) Pyridine	3.45	79	452118	38.254	ng	100
4) n-Nitrosodimethylamine	3.40	42	197108	42.261	ng	99
6) Aniline	6.52	93	515115	34.041	ng	96
8) 2-Chlorophenol	6.65	128	430835	46.522	ng	97
9) Benzaldehyde	6.40	77	235317	32.276	ng	97
10) Phenol	6.50	94	544271	43.741	ng	91
11) bis(2-Chloroethyl)ether	6.59	93	414843	45.347	ng	99
12) 1,3-Dichlorobenzene	6.79	146	460552	43.031	ng	98
13) 1,4-Dichlorobenzene	6.87	146	470373	43.893	ng	99
14) 1,2-Dichlorobenzene	7.02	146	432139	43.794	ng	98
15) Benzyl Alcohol	7.00	79	366863	45.750	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.13	45	551649	44.209	ng	96
17) 2-Methylphenol	7.11	107	358416	45.706	ng	97
18) Hexachloroethane	7.36	117	172481	43.716	ng	96
19) n-Nitroso-di-n-propylamine	7.27	70	295945	45.198	ng	99
20) 3+4-Methylphenols	7.26	107	432805	46.640	ng	90
22) Acetophenone	7.26	105	583596	46.545	ng	97
24) Nitrobenzene	7.43	77	482740	45.140	ng	99
25) Isophorone	7.67	82	877895	46.355	ng	100
26) 2-Nitrophenol	7.75	139	238226	47.257	ng	100
27) 2,4-Dimethylphenol	7.79	122	393128	51.835	ng	99
28) bis(2-Chloroethoxy)methane	7.88	93	538060	45.838	ng	100
29) 2,4-Dichlorophenol	8.00	162	378442	47.258	ng	97
30) 1,2,4-Trichlorobenzene	8.07	180	408270	44.726	ng	98
31) Naphthalene	8.16	128	1239548	46.074	ng	100
32) Benzoic acid	7.95	122	228444	42.723	ng	96
33) 4-Chloroaniline	8.20	127	351955	29.279	ng	99
34) Hexachlorobutadiene	8.27	225	225394	42.868	ng	99
35) Caprolactam	8.59	113	69852	26.970	ng	95
36) 4-Chloro-3-methylphenol	8.70	107	403118	48.389	ng	99
37) 2-Methylnaphthalene	8.85	142	841861	47.514	ng	99
38) 1-Methylnaphthalene	8.95	142	782042	46.656	ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.02	216	380252	44.400	ng	99

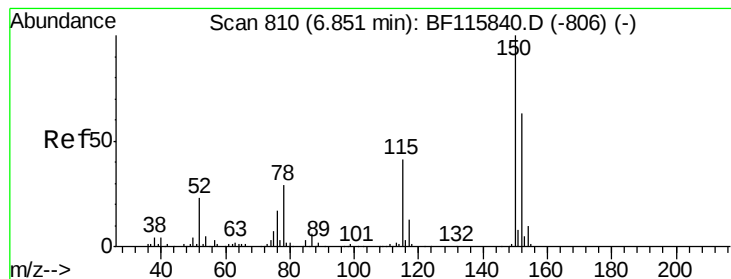
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080319\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.01	237	247553	65.544	ng	99
43) 2,4,6-Trichlorophenol	9.13	196	255574	43.356	ng	99
44) 2,4,5-Trichlorophenol	9.18	196	274197	44.998	ng	97
46) 1,1'-Biphenyl	9.32	154	1020713	45.132	ng	99
47) 2-Chloronaphthalene	9.35	162	805231	42.778	ng	99
48) 2-Nitroaniline	9.44	65	263961	42.425	ng	91
49) Acenaphthylene	9.76	152	1241607	45.212	ng	100
50) Dimethylphthalate	9.62	163	983426	45.087	ng	99
51) 2,6-Dinitrotoluene	9.68	165	218416	46.078	ng	# 86
52) Acenaphthene	9.93	154	731955	43.446	ng	99
53) 3-Nitroaniline	9.85	138	179715	30.684	ng	91
54) 2,4-Dinitrophenol	9.97	184	180896	75.518	ng	98
55) Dibenzofuran	10.10	168	1104127	45.066	ng	98
56) 4-Nitrophenol	10.03	139	326427	87.001	ng	99
57) 2,4-Dinitrotoluene	10.09	165	282779	44.807	ng	92
58) Fluorene	10.45	166	857901	45.512	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.23	232	229414	44.750	ng	98
60) Diethylphthalate	10.32	149	923853	45.366	ng	100
61) 4-Chlorophenyl-phenylether	10.43	204	429631	45.003	ng	98
62) 4-Nitroaniline	10.47	138	245522	40.563	ng	99
63) Azobenzene	10.60	77	957693	45.722	ng	97
65) 4,6-Dinitro-2-methylphenol	10.51	198	136466	45.806	ng	93
66) n-Nitrosodiphenylamine	10.56	169	771130	45.572	ng	99
67) 4-Bromophenyl-phenylether	10.93	248	270728	44.985	ng	91
68) Hexachlorobenzene	11.00	284	298700	42.922	ng	95
69) Atrazine	11.09	200	251969	45.263	ng	99
70) Pentachlorophenol	11.20	266	290031	85.843	ng	99
71) Phenanthrene	11.41	178	1270437	44.204	ng	99
72) Anthracene	11.46	178	1315553	45.229	ng	98
73) Carbazole	11.62	167	1187049	44.984	ng	100
74) Di-n-butylphthalate	11.94	149	1439442	46.760	ng	99
75) Fluoranthene	12.60	202	1347345	44.780	ng	97
77) Benzidine	12.72	184	634181	45.971	ng	97
78) Pyrene	12.83	202	1356374	44.066	ng	99
80) Butylbenzylphthalate	13.44	149	616470	47.347	ng	98
81) Benzo(a)anthracene	14.02	228	1159488	44.427	ng	99
82) 3,3'-Dichlorobenzidine	13.97	252	335752	37.029	ng	99
83) Chrysene	14.06	228	1107003	43.689	ng	99
84) Bis(2-ethylhexyl)phthalate	14.00	149	849329	50.197	ng	100
85) Di-n-octyl phthalate	14.61	149	1367896	50.899	ng	100
86) Indeno(1,2,3-cd)pyrene	16.99	276	942546	44.290	ng	99
88) Benzo(b)fluoranthene	15.07	252	1086567	51.737	ng	97
89) Benzo(k)fluoranthene	15.10	252	959470	46.905	ng	97
90) Benzo(a)pyrene	15.44	252	959022	51.083	ng	99
91) Dibenzo(a,h)anthracene	16.99	278	789454	48.580	ng	98
92) Benzo(g,h,i)perylene	17.43	276	765461	47.962	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 810

Delta R.T. 0.00 min

Lab File: BF115975.D

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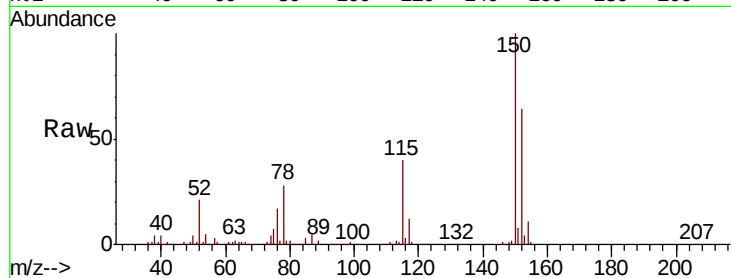
Tgt Ion:152 Resp: 140201

Ion Ratio Lower Upper

152 100

150 156.7 127.4 191.0

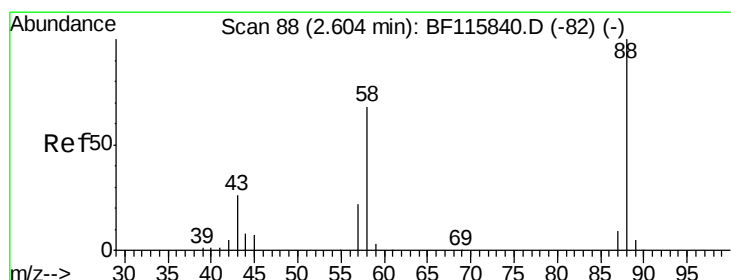
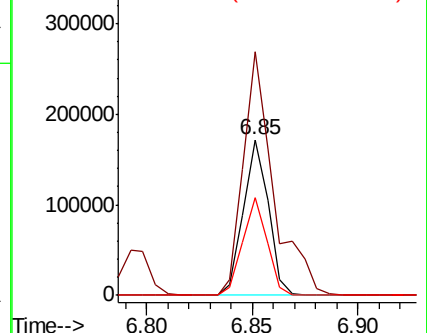
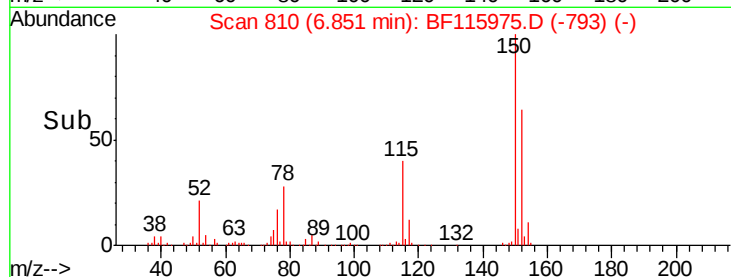
115 62.6 51.8 77.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 41.239 ng

RT: 2.71 min Scan# 106

Delta R.T. 0.11 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

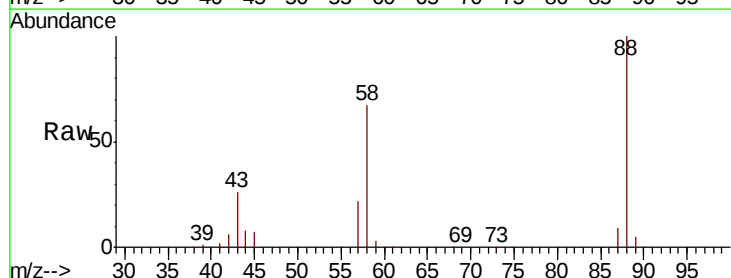
Tgt Ion: 88 Resp: 174479

Ion Ratio Lower Upper

88 100

58 67.9 54.1 81.1

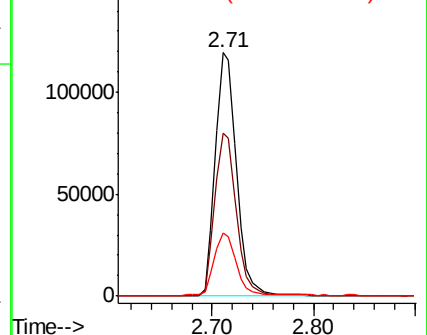
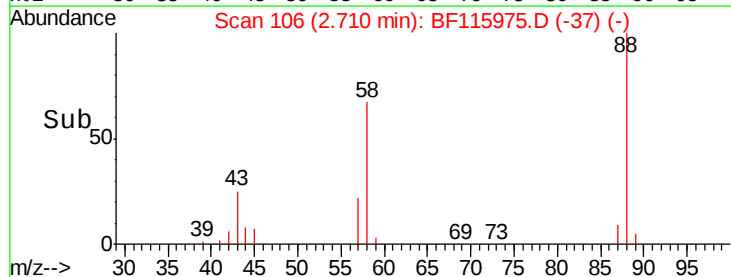
43 26.4 20.7 31.1

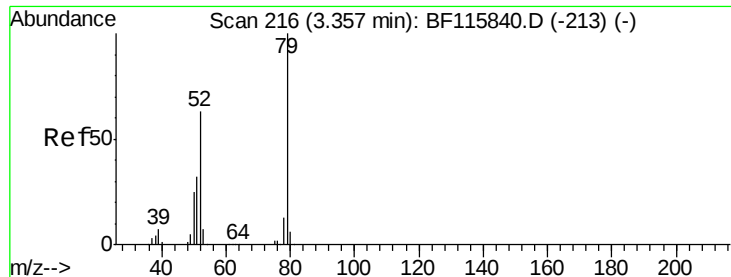


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pyridine

Concen: 38.254 ng

RT: 3.45 min Scan# 232

Delta R.T. 0.09 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL01-RC

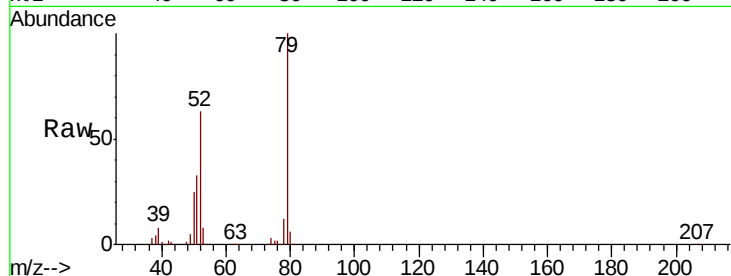
Tgt Ion: 79 Resp: 452118

Ion Ratio Lower Upper

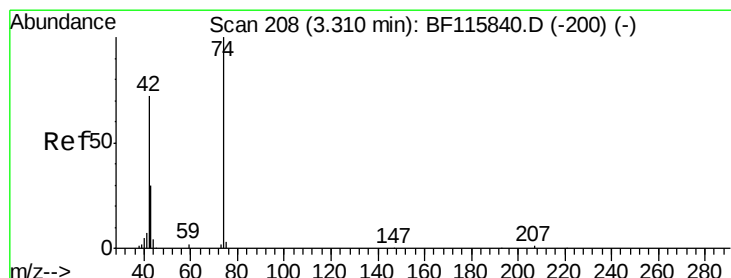
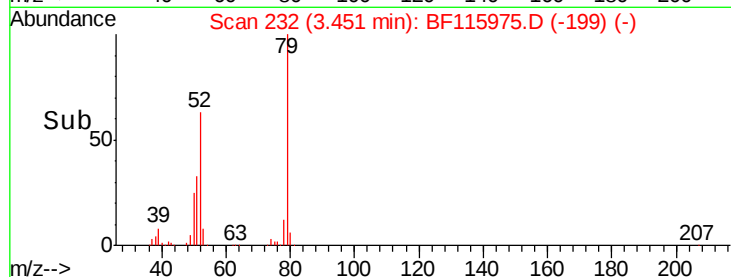
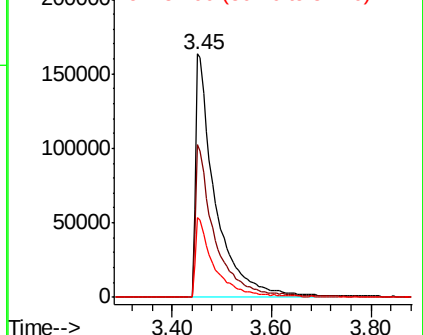
79 100

52 62.7 50.2 75.4

51 32.6 25.8 38.6



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 42.261 ng

RT: 3.40 min Scan# 224

Delta R.T. 0.09 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

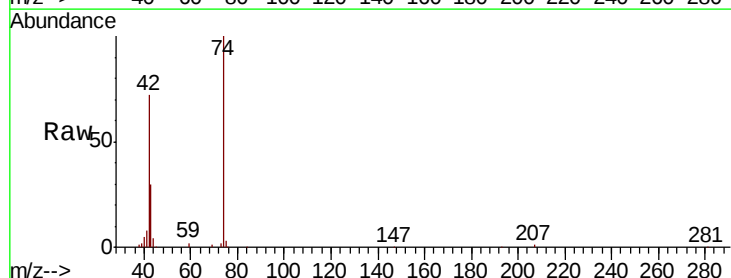
Tgt Ion: 42 Resp: 197108

Ion Ratio Lower Upper

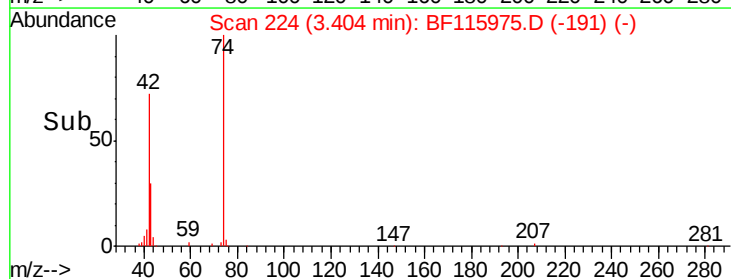
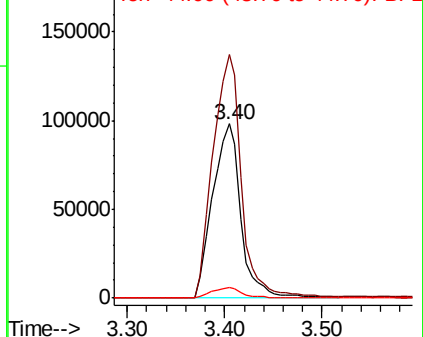
42 100

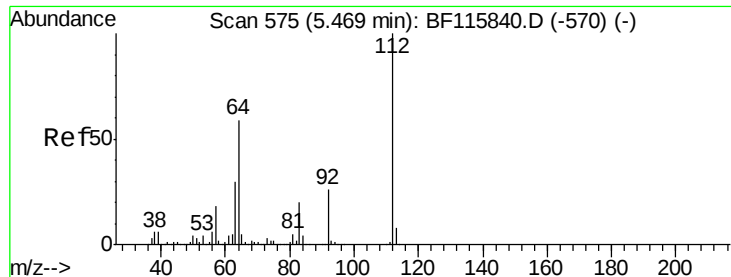
74 139.8 111.0 166.4

44 6.0 4.7 7.1



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 116.743 ng

RT: 5.49 min Scan# 578

Delta R.T. 0.02 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL01-RC

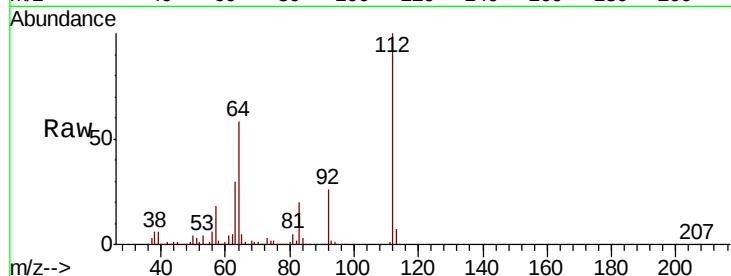
Tgt Ion:112 Resp: 977711

Ion Ratio Lower Upper

112 100

64 57.8 46.8 70.2

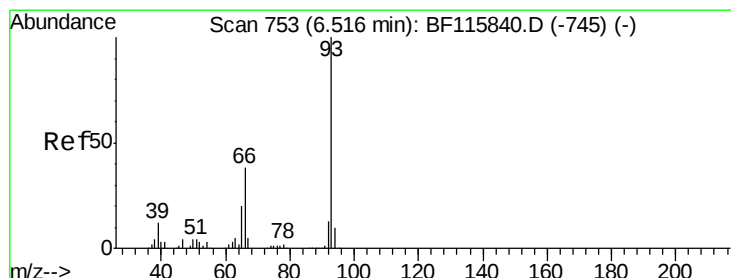
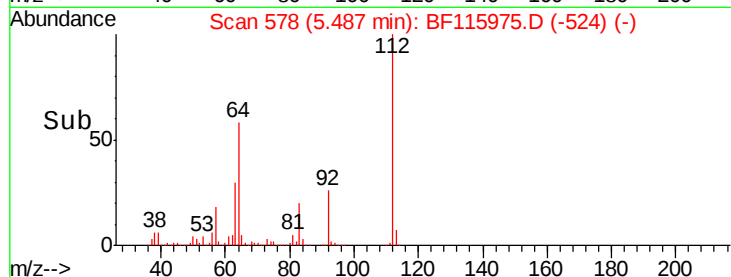
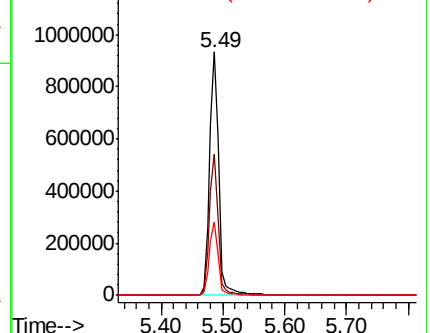
63 30.1 24.2 36.2



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 34.041 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

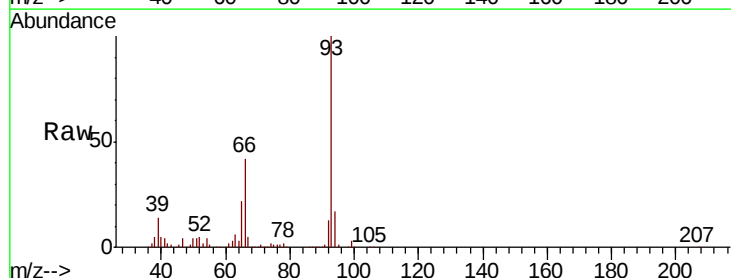
Tgt Ion: 93 Resp: 515115

Ion Ratio Lower Upper

93 100

66 41.6 31.4 47.0

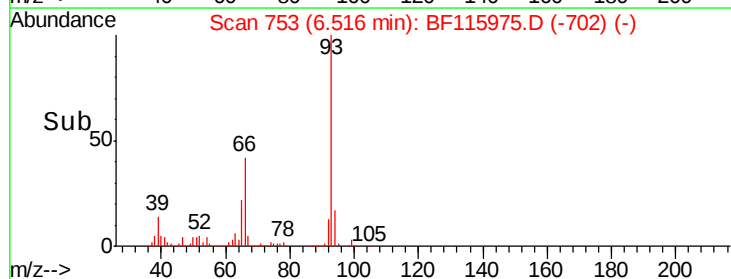
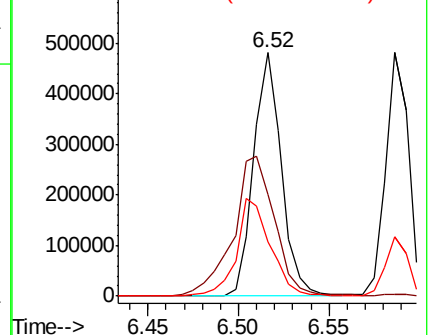
65 22.3 16.5 24.7

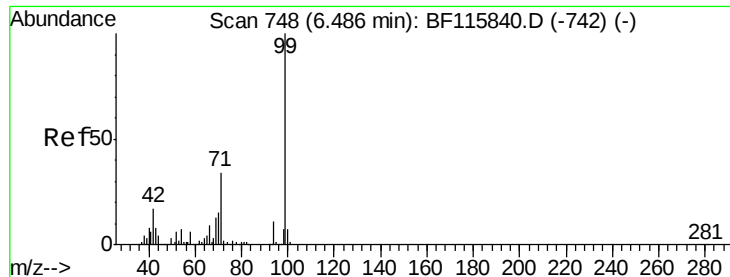


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 117.965 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

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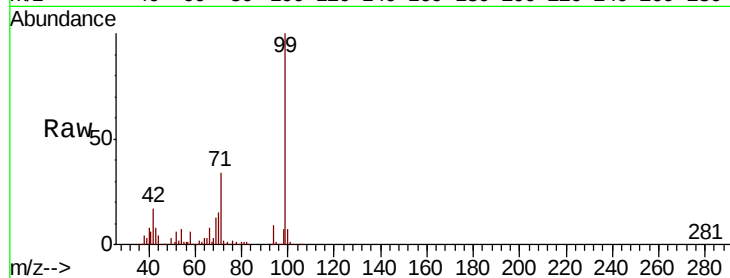
Tgt Ion: 99 Resp: 1246470

Ion Ratio Lower Upper

99 100

42 17.2 13.8 20.6

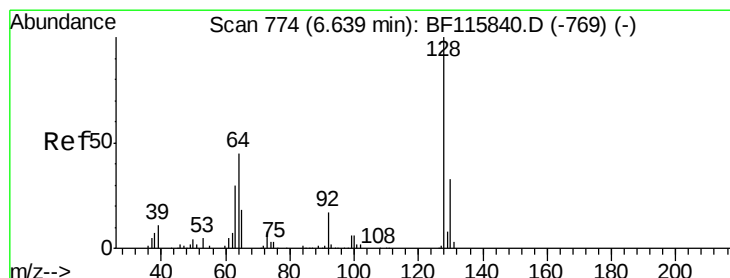
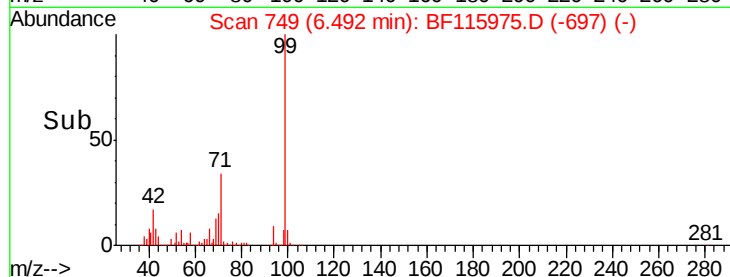
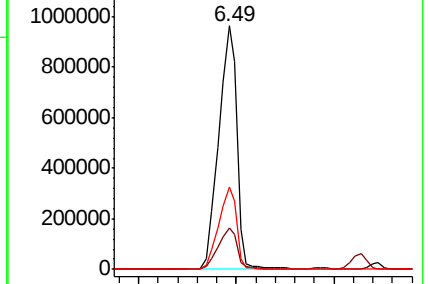
71 33.7 27.1 40.7



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 46.522 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.01 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

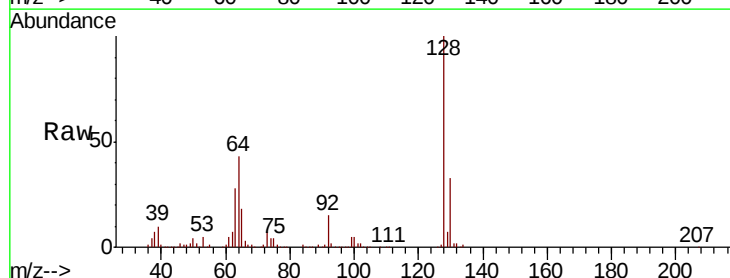
Tgt Ion: 128 Resp: 430835

Ion Ratio Lower Upper

128 100

130 32.8 12.9 52.9

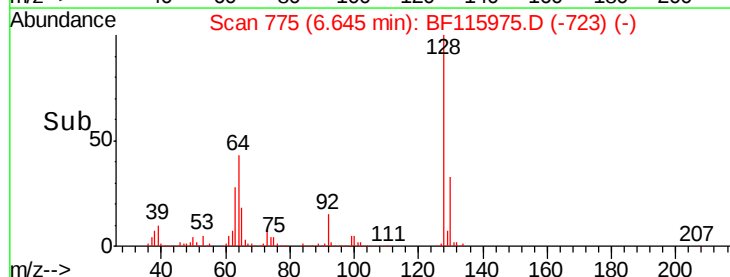
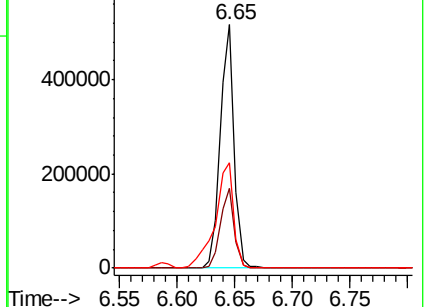
64 43.3 26.1 66.1

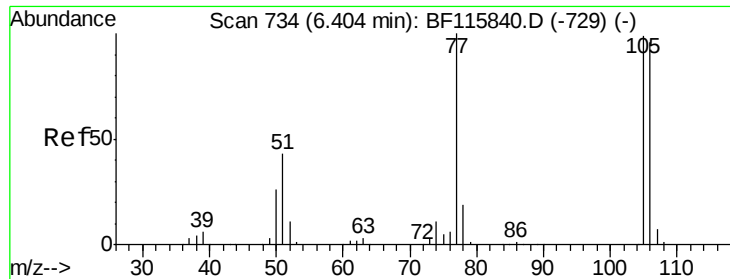


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1

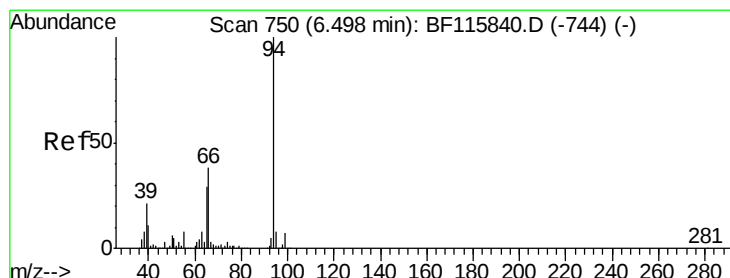
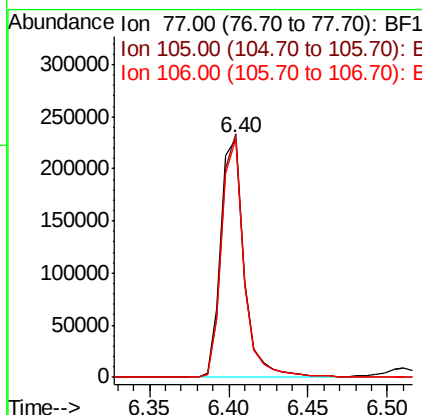
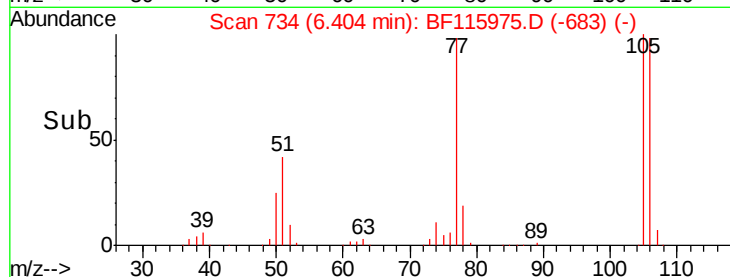
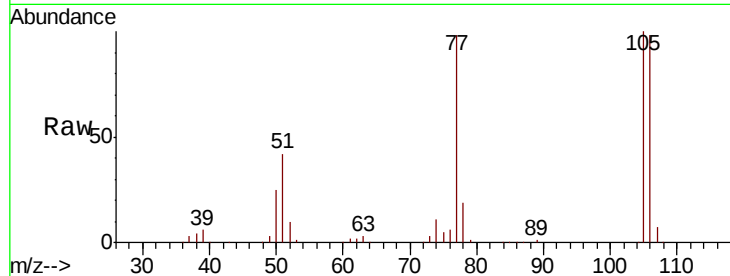




#9
Benzaldehyde
Concen: 32.276 ng
RT: 6.40 min Scan# 734
Delta R.T. 0.00 min
Lab File: BF115975.D
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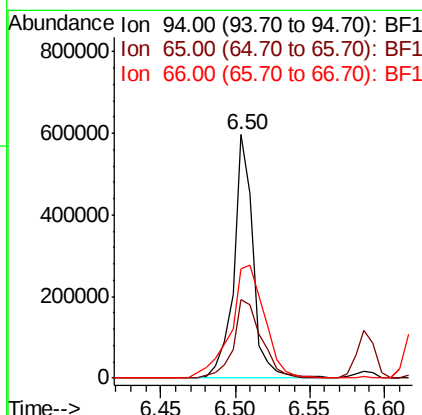
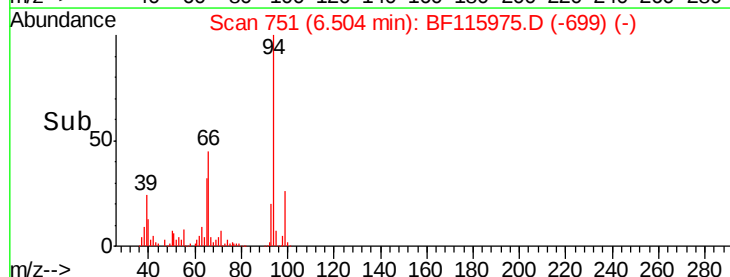
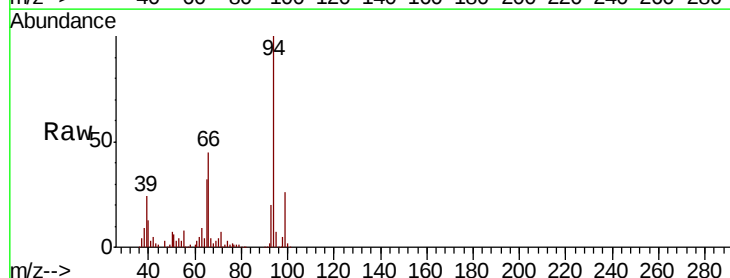
Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL01-RC

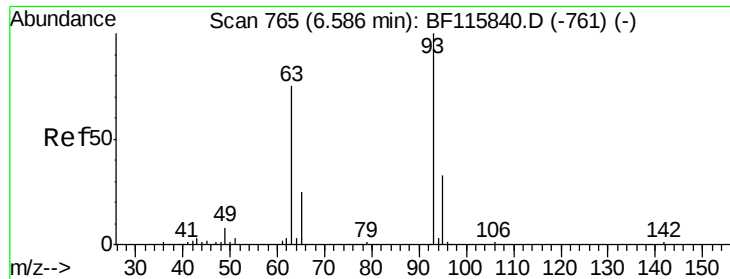
Tgt Ion: 77 Resp: 235317
Ion Ratio Lower Upper
77 100
105 102.0 79.0 119.0
106 99.8 76.2 116.2



#10
Phenol
Concen: 43.741 ng
RT: 6.50 min Scan# 751
Delta R.T. 0.01 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Tgt Ion: 94 Resp: 544271
Ion Ratio Lower Upper
94 100
65 32.4 8.9 48.9
66 44.8 18.0 58.0

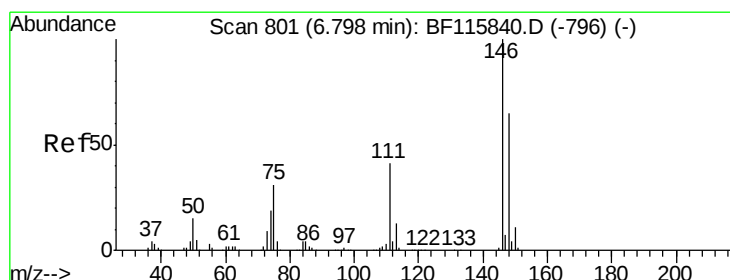
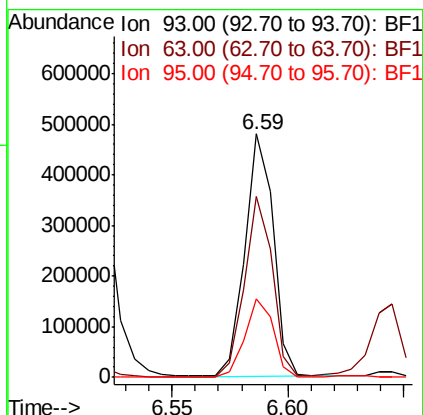
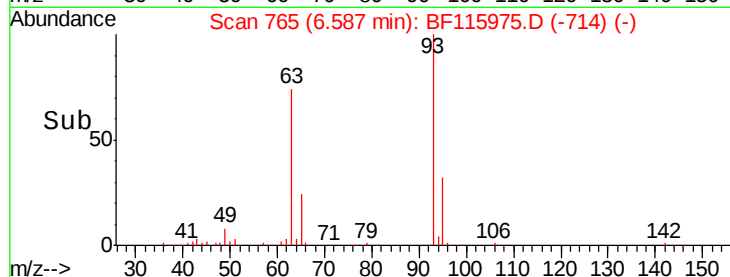
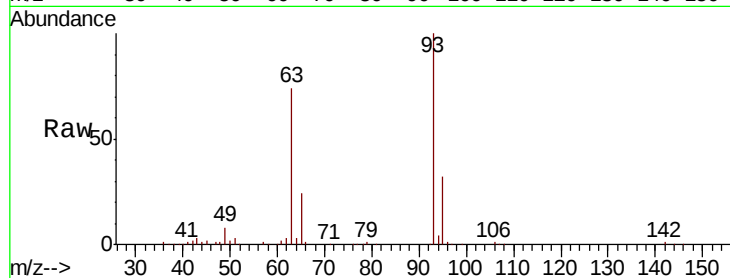




#11
bis(2-Chloroethyl)ether
Concen: 45.347 ng
RT: 6.59 min Scan# 765
Delta R.T. 0.00 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

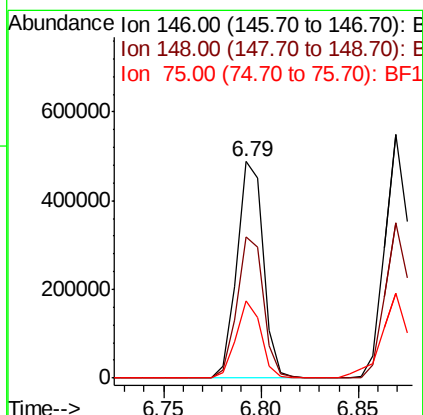
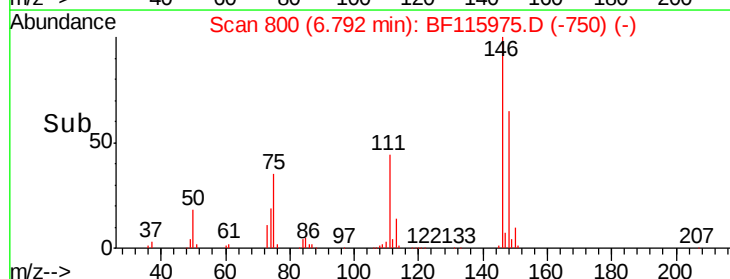
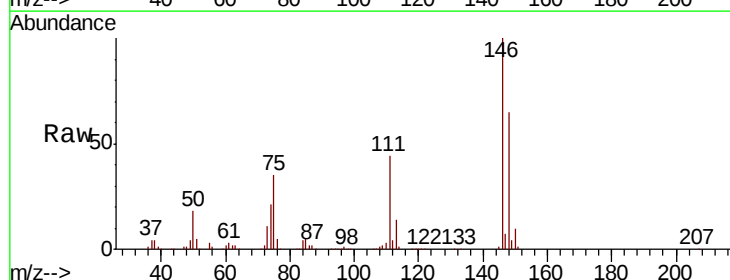
Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL01-RC

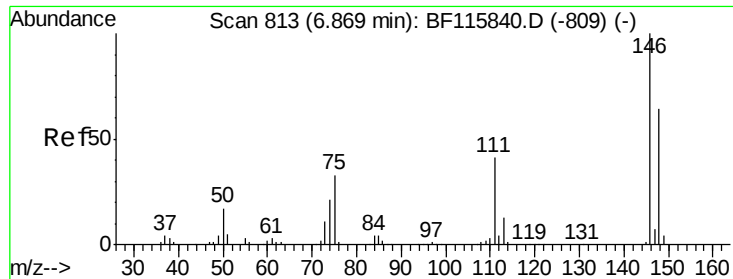
Tgt Ion: 93 Resp: 414843
Ion Ratio Lower Upper
93 100
63 74.1 54.9 94.9
95 32.0 13.3 53.3



#12
1,3-Dichlorobenzene
Concen: 43.031 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Tgt Ion: 146 Resp: 460552
Ion Ratio Lower Upper
146 100
148 65.2 52.1 78.1
75 35.4 25.0 37.6

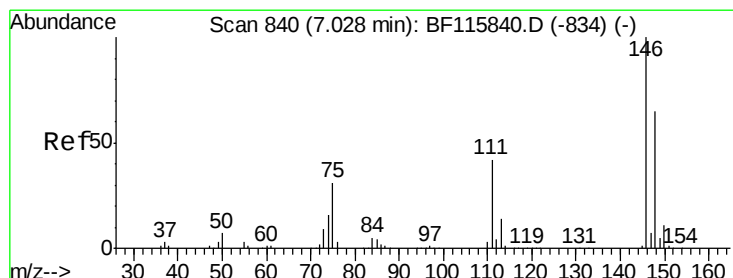
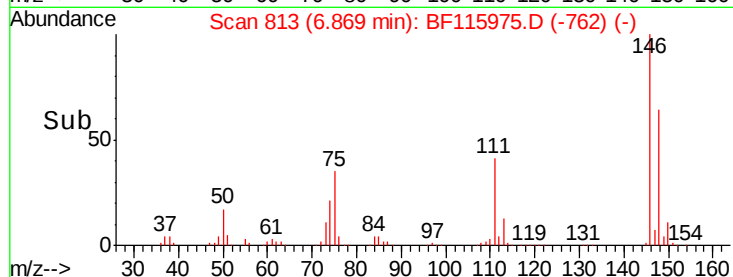
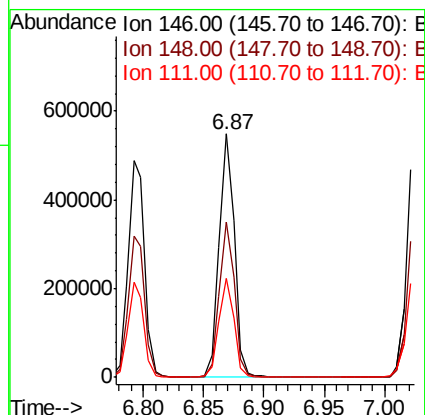
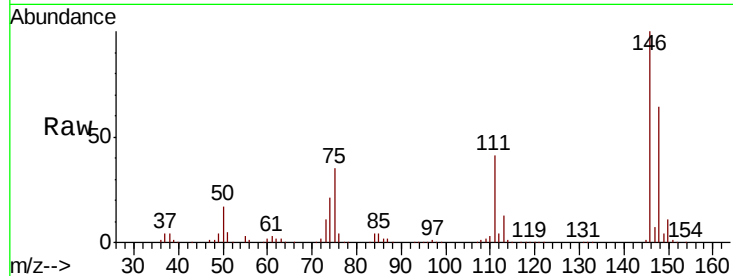




#13
 1,4-Dichlorobenzene
 Concen: 43.893 ng
 RT: 6.87 min Scan# 813
 Delta R.T. 0.00 min
 Lab File: BF115975.D
 Acq: 3 Aug 2019 12:23

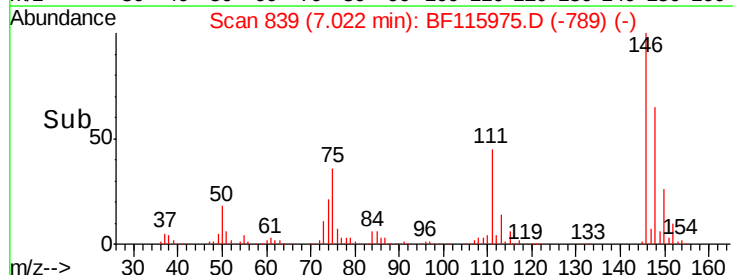
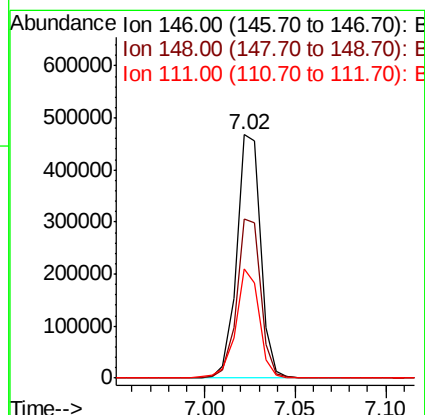
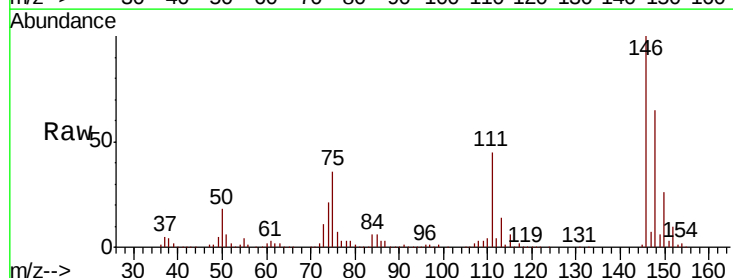
Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL01-RC

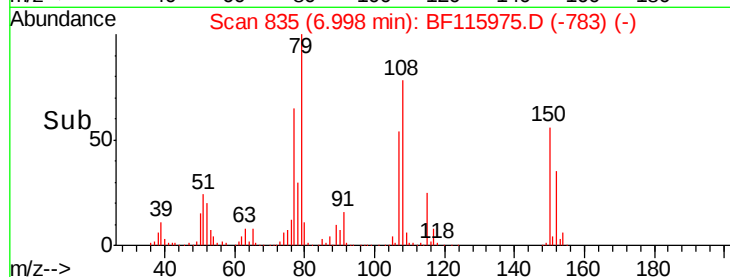
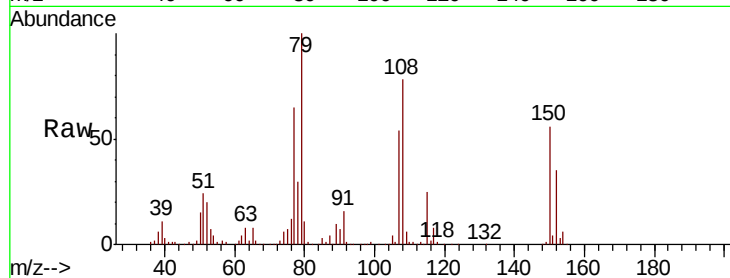
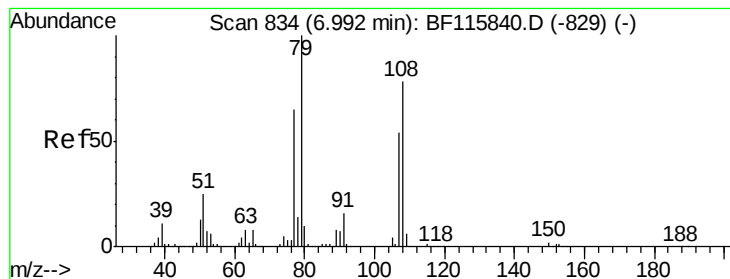
Tgt Ion:146 Resp: 470373
 Ion Ratio Lower Upper
 146 100
 148 63.6 51.2 76.8
 111 40.9 33.2 49.8



#14
 1,2-Dichlorobenzene
 Concen: 43.794 ng
 RT: 7.02 min Scan# 839
 Delta R.T. -0.01 min
 Lab File: BF115975.D
 Acq: 3 Aug 2019 12:23

Tgt Ion:146 Resp: 432139
 Ion Ratio Lower Upper
 146 100
 148 65.3 51.6 77.4
 111 45.0 33.6 50.4





#15

Benzyl Alcohol

Concen: 45.750 ng

RT: 7.00 min Scan# 835

Delta R.T. 0.01 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL01-RC

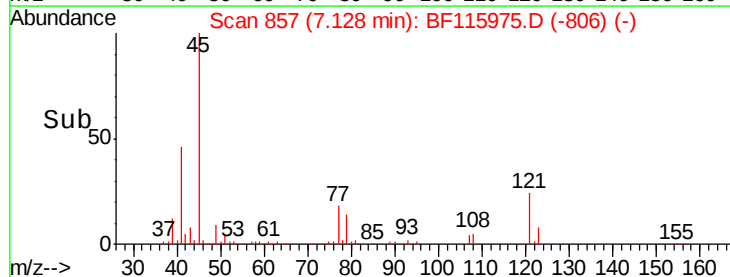
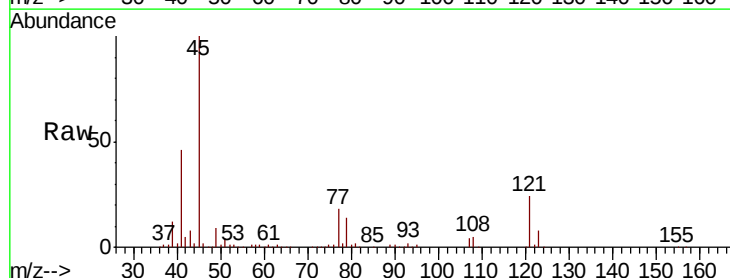
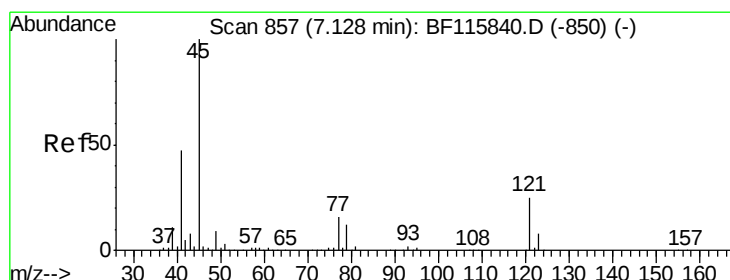
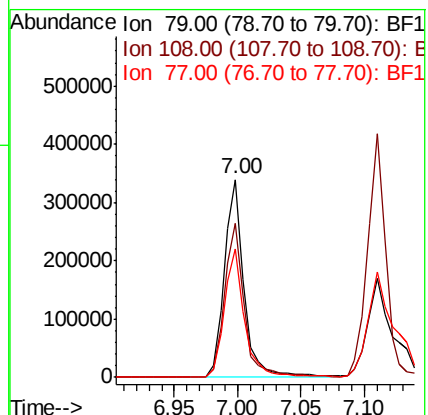
Tgt Ion: 79 Resp: 366863

Ion Ratio Lower Upper

79 100

108 77.9 62.8 94.2

77 64.7 52.0 78.0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 44.209 ng

RT: 7.13 min Scan# 857

Delta R.T. 0.00 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

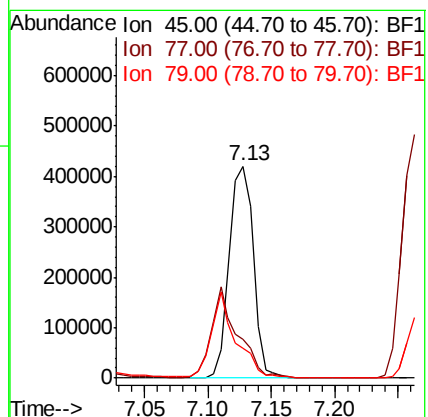
Tgt Ion: 45 Resp: 551649

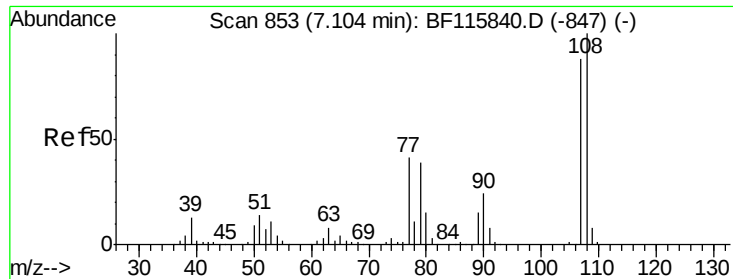
Ion Ratio Lower Upper

45 100

77 18.1 0.0 36.3

79 14.2 0.0 32.5

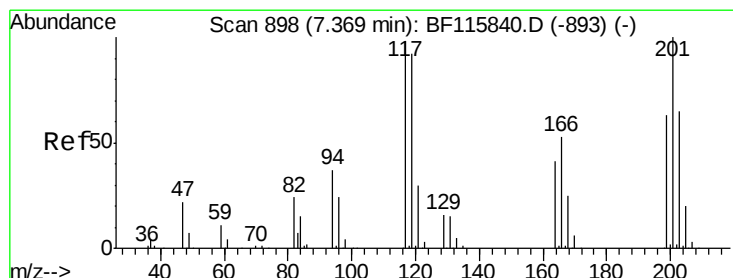
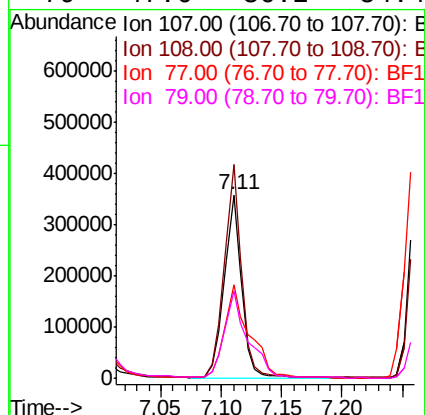
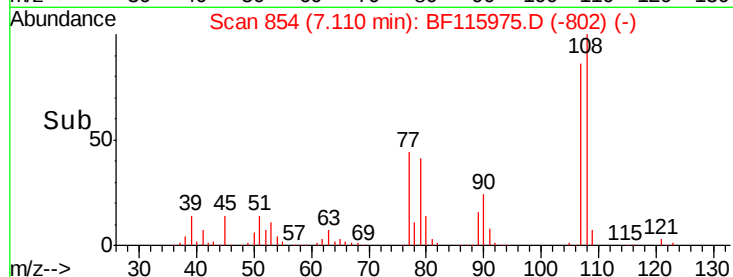
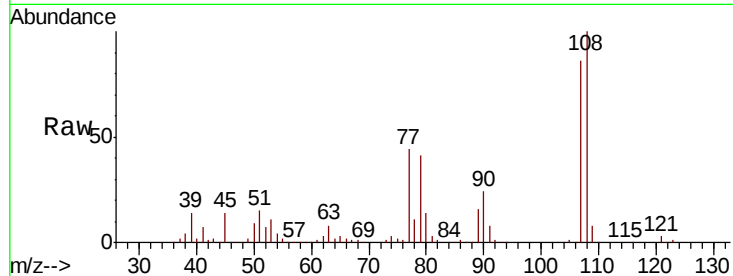




#17
2-Methylphenol
Concen: 45.706 ng
RT: 7.11 min Scan# 854
Delta R.T. 0.01 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

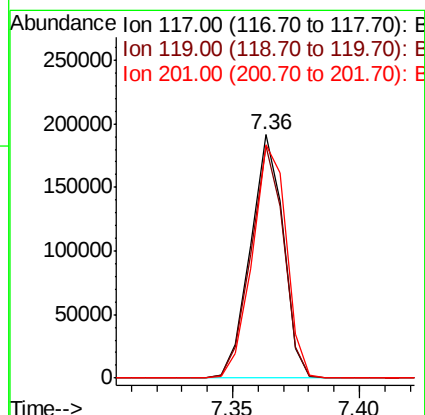
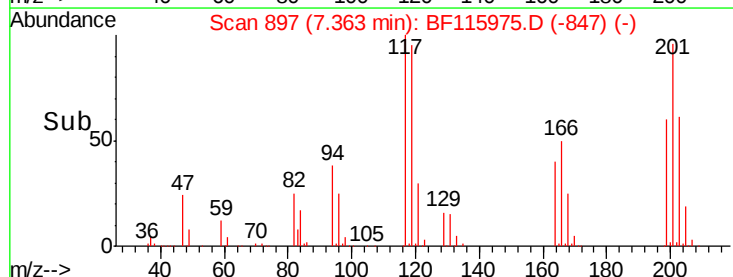
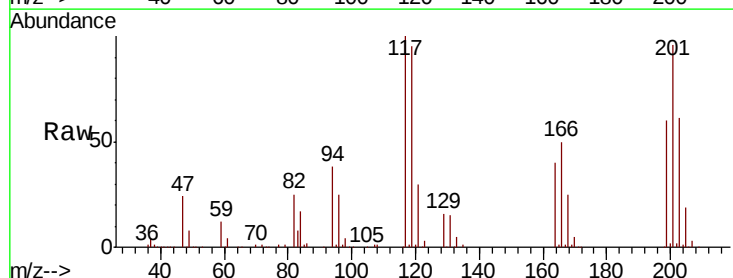
Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL01-RC

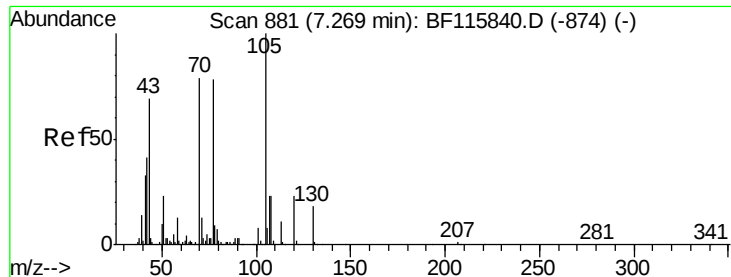
Tgt Ion:107 Resp: 358416
Ion Ratio Lower Upper
107 100
108 116.6 91.4 137.0
77 50.7 37.6 56.4
79 47.6 36.2 54.4



#18
Hexachloroethane
Concen: 43.716 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Tgt Ion:117 Resp: 172481
Ion Ratio Lower Upper
117 100
119 95.1 75.8 113.6
201 95.6 82.0 123.0

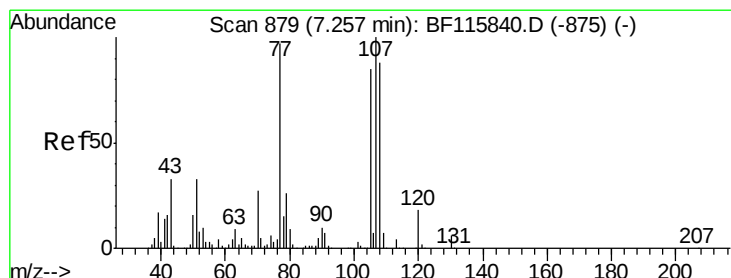
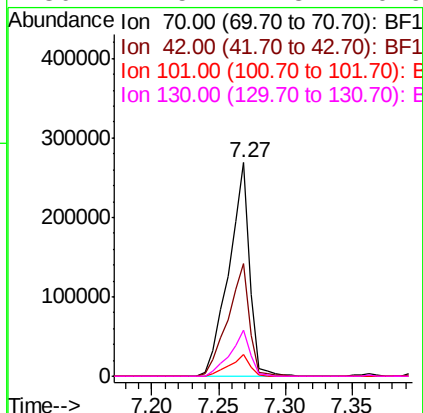
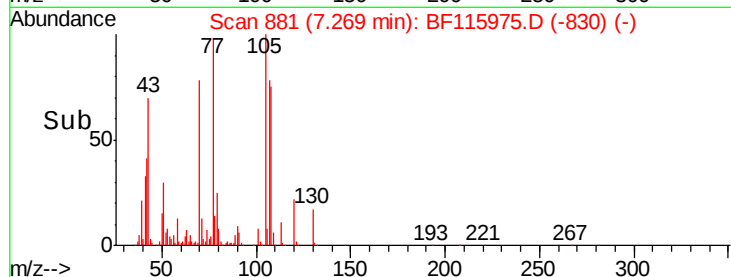
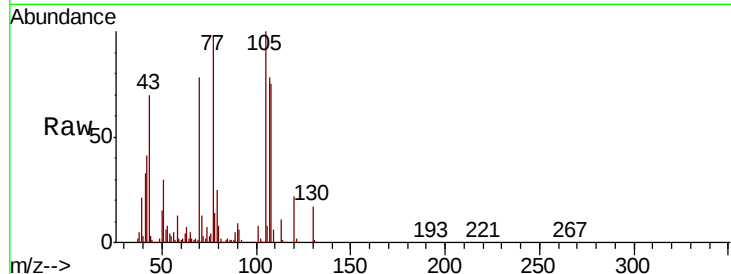




#19
n-Nitroso-di-n-propylamine
Concen: 45.198 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.00 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

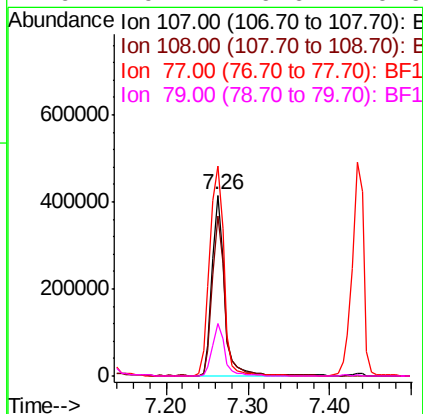
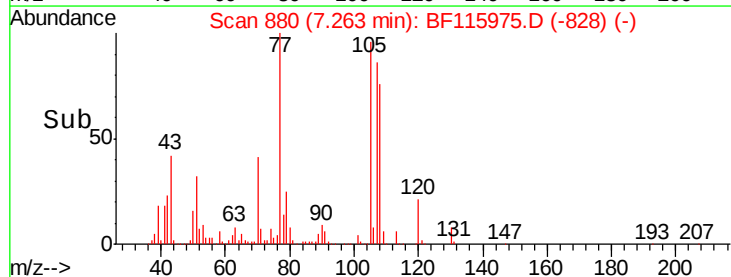
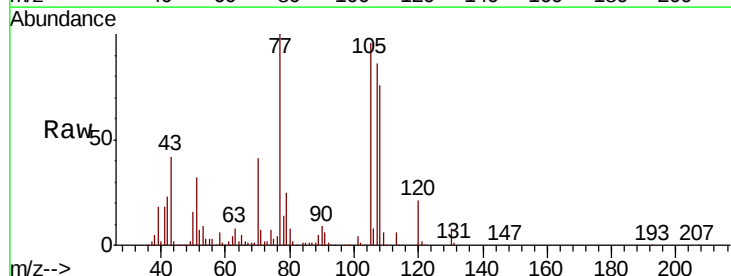
Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL01-RC

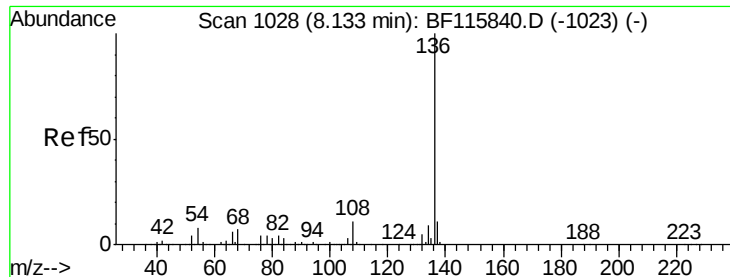
Tgt Ion: 70 Resp: 295945
Ion Ratio Lower Upper
70 100
42 52.6 41.8 62.8
101 10.0 7.7 11.5
130 21.5 17.8 26.6



#20
3+4-Methylphenols
Concen: 46.640 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.01 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Tgt Ion: 107 Resp: 432805
Ion Ratio Lower Upper
107 100
108 88.6 67.9 107.9
77 116.0 77.3 117.3
79 29.1 6.6 46.6





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL01-RC

Tgt Ion:136 Resp: 571706

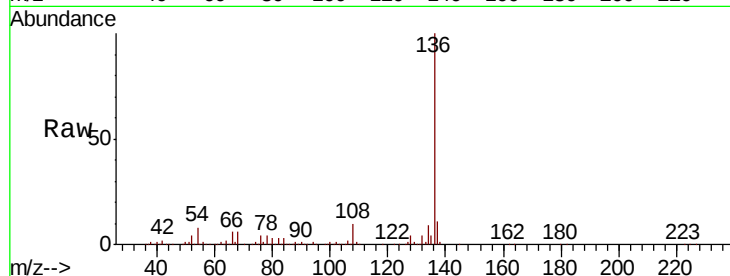
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 7.5 6.1 9.1

68 6.4 5.4 8.2

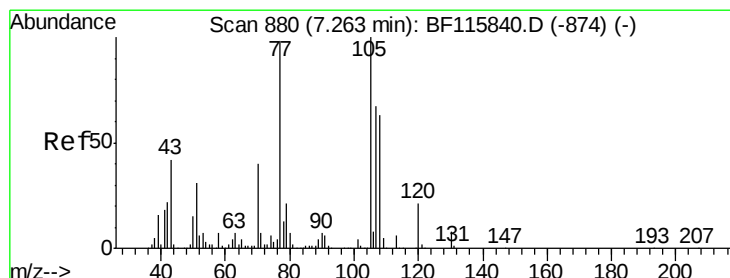
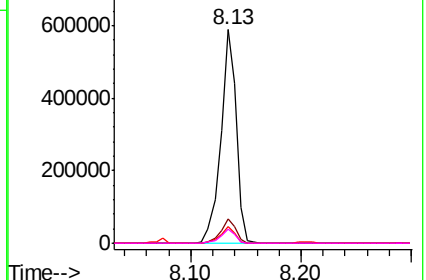
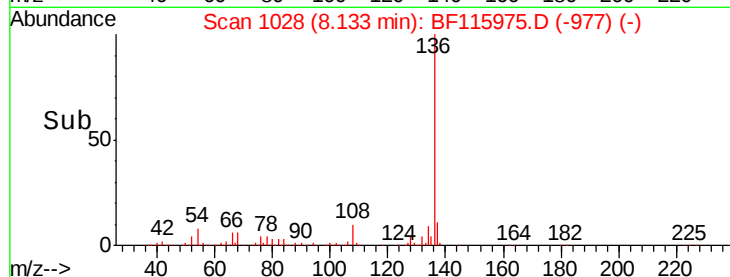


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 46.545 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.00 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Tgt Ion:105 Resp: 583596

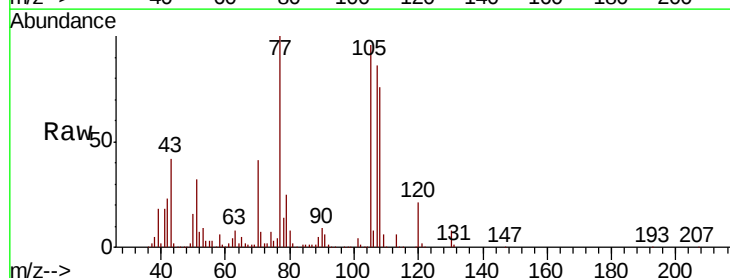
Ion Ratio Lower Upper

105 100

71 7.2 5.4 8.0

51 33.6 24.6 36.8

120 21.5 17.0 25.6

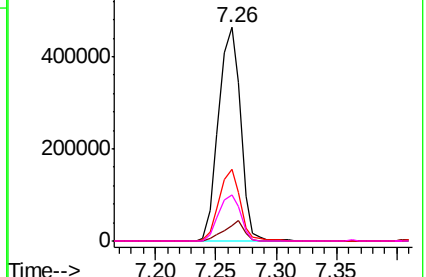
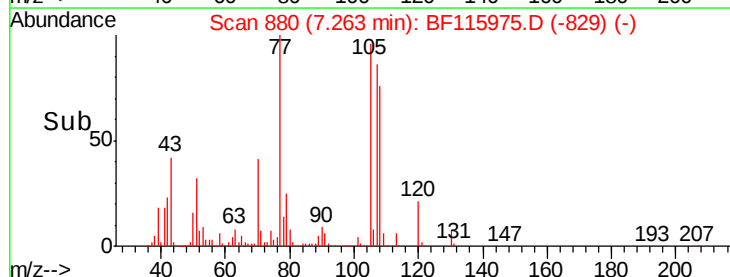


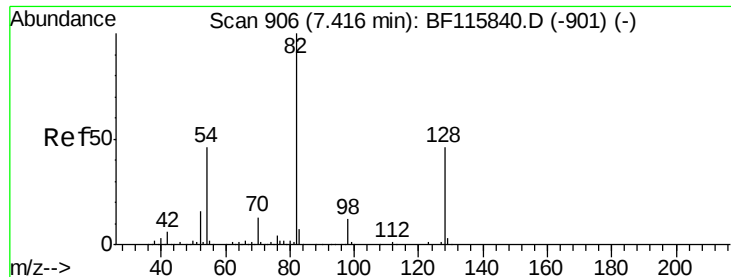
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

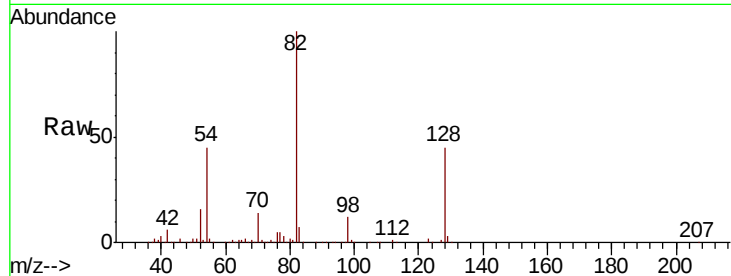




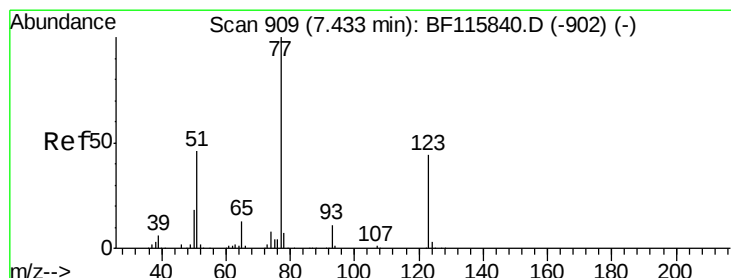
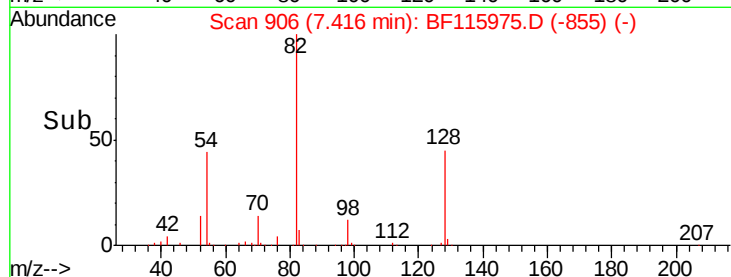
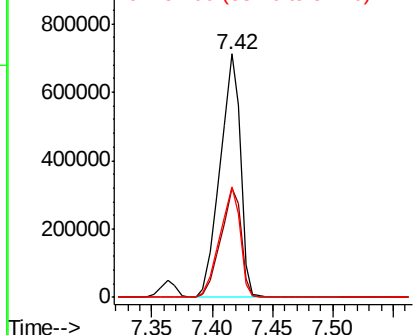
#23
 Nitrobenzene-d5
 Concen: 83.567 ng
 RT: 7.42 min Scan# 906
 Delta R.T. 0.00 min
 Lab File: BF115975.D
 Acq: 3 Aug 2019 12:23

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL01-RC

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.9	36.6	55.0
54	45.2	36.6	55.0

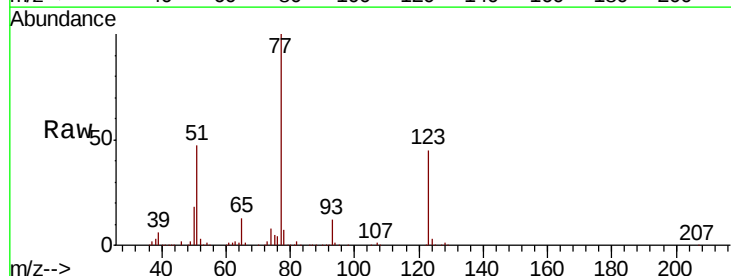


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

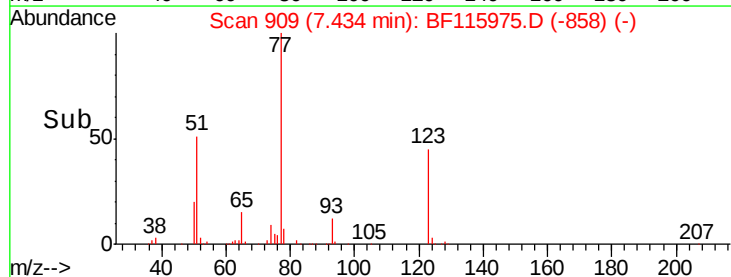
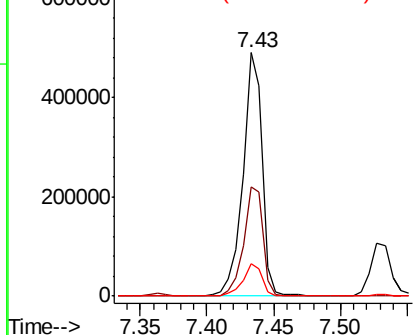


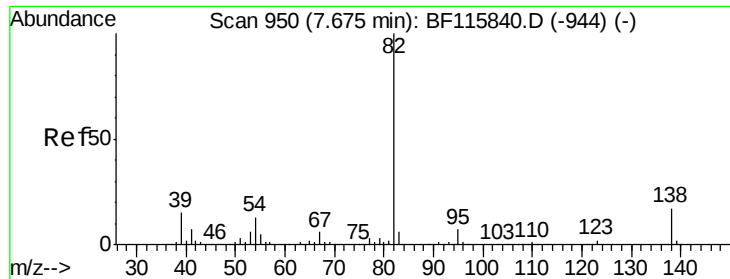
#24
 Nitrobenzene
 Concen: 45.140 ng
 RT: 7.43 min Scan# 909
 Delta R.T. 0.00 min
 Lab File: BF115975.D
 Acq: 3 Aug 2019 12:23

Tgt Ion	Ratio	Lower	Upper
77	100		
123	45.0	35.5	53.3
65	13.4	10.6	15.8



Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): BF1
 Ion 65.00 (64.70 to 65.70): BF1

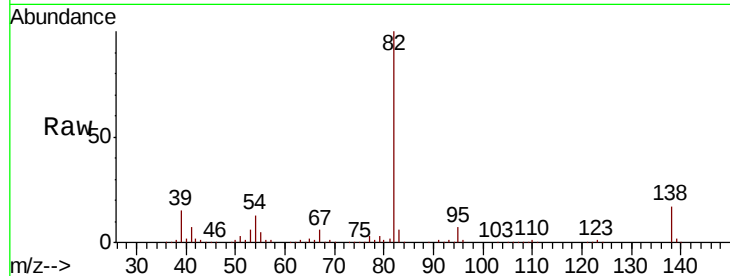




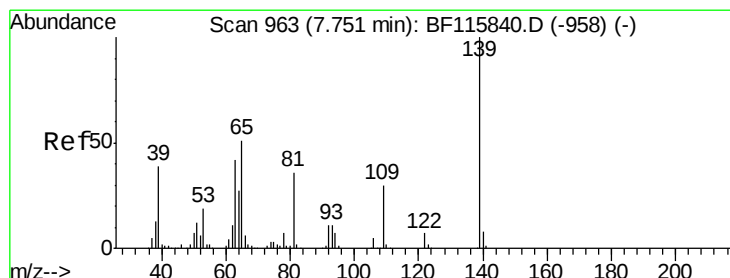
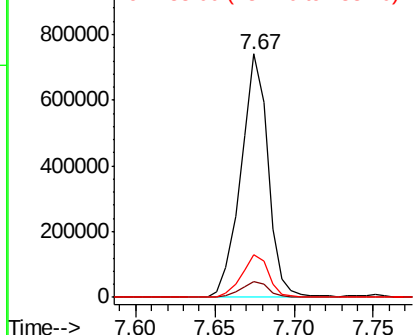
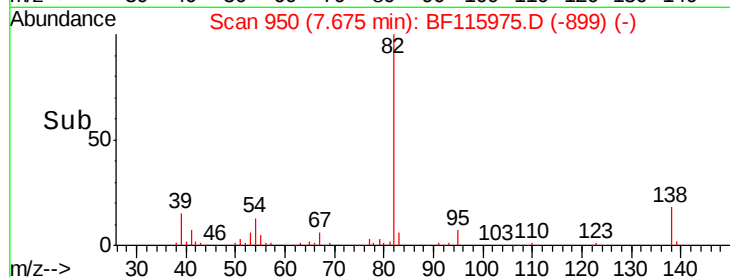
#25
Isophorone
Concen: 46.355 ng
RT: 7.67 min Scan# 950
Delta R.T. 0.00 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL01-RC

Tgt Ion: 82 Resp: 877895
Ion Ratio Lower Upper
82 100
95 6.7 5.5 8.3
138 17.5 13.9 20.9

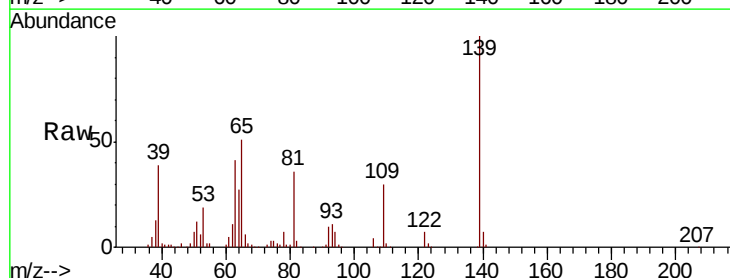


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

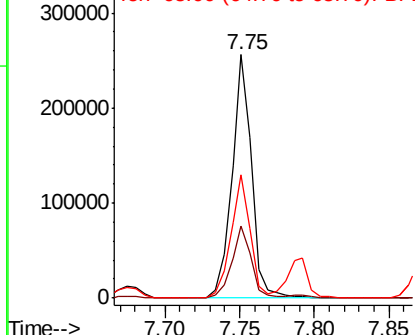
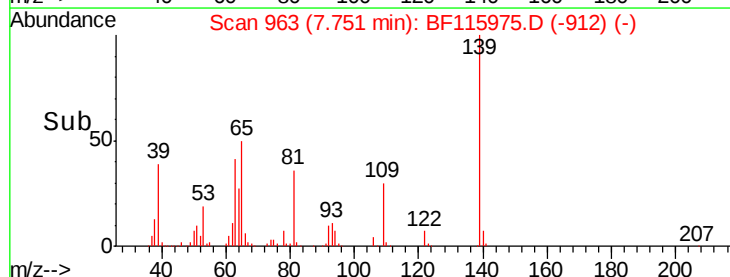


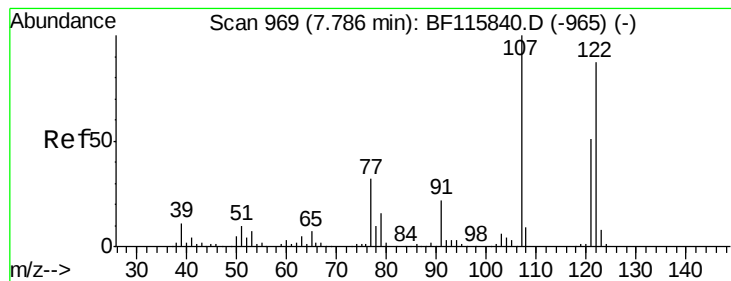
#26
2-Nitrophenol
Concen: 47.257 ng
RT: 7.75 min Scan# 963
Delta R.T. 0.00 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Tgt Ion: 139 Resp: 238226
Ion Ratio Lower Upper
139 100
109 29.8 23.6 35.4
65 50.5 40.6 60.8



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 51.835 ng

RT: 7.79 min Scan# 970

Delta R.T. 0.01 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL01-RC

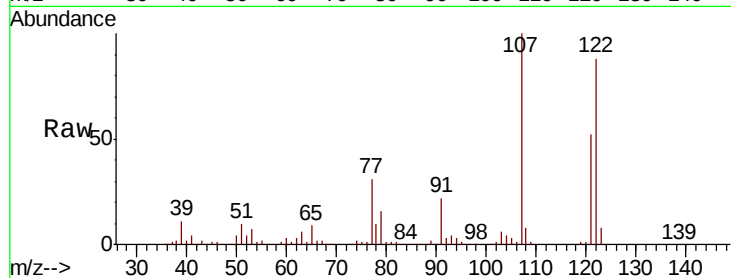
Tgt Ion:122 Resp: 393128

Ion Ratio Lower Upper

122 100

107 113.4 91.7 137.5

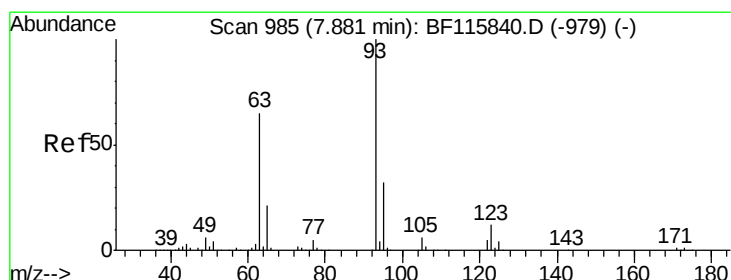
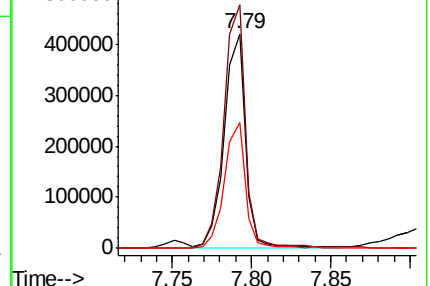
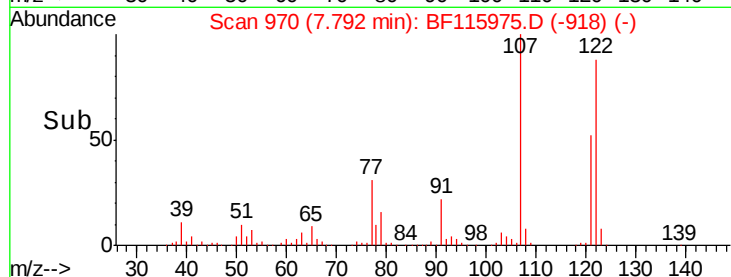
121 58.5 46.6 70.0



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 45.838 ng

RT: 7.88 min Scan# 985

Delta R.T. 0.00 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

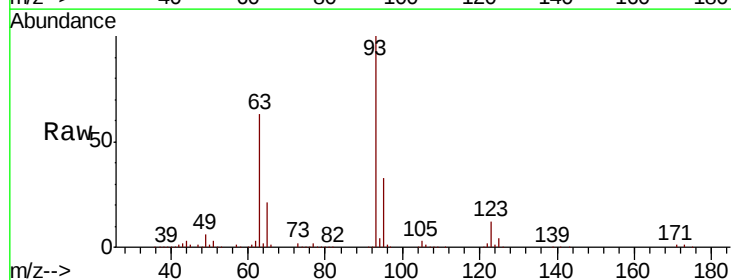
Tgt Ion: 93 Resp: 538060

Ion Ratio Lower Upper

93 100

95 32.6 26.0 39.0

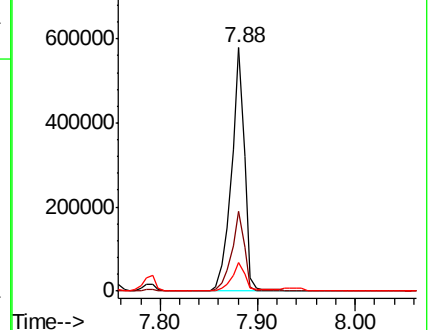
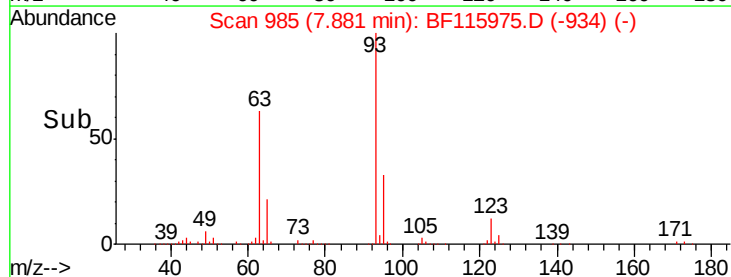
123 11.5 9.5 14.3

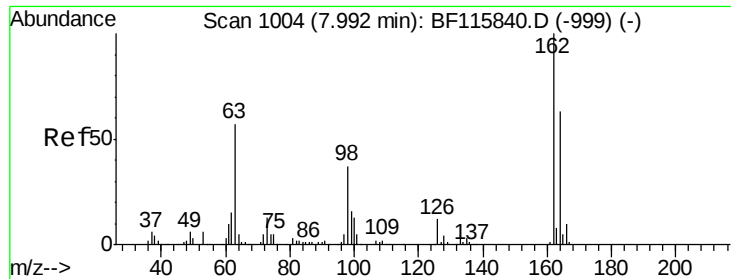


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

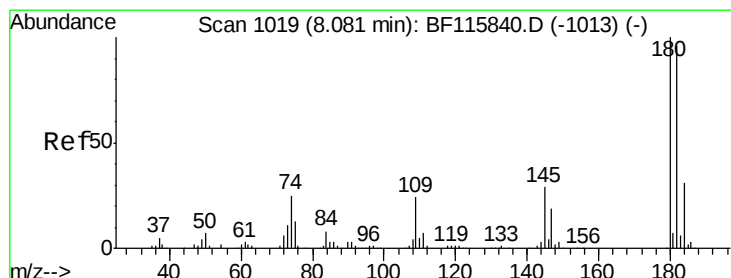
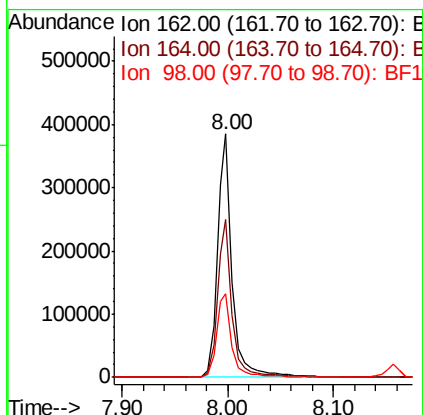
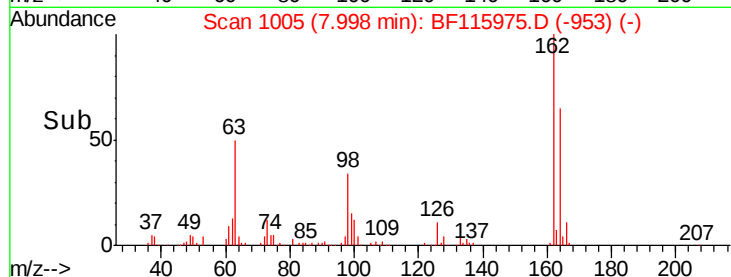
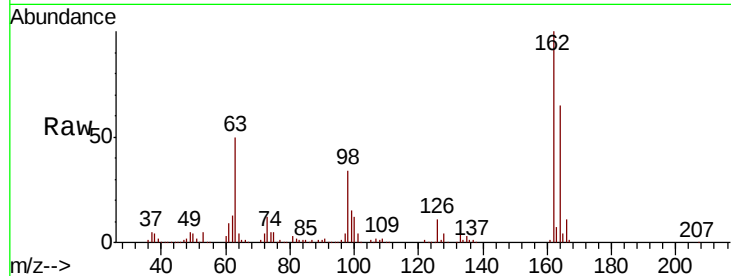




#29
2,4-Dichlorophenol
Concen: 47.258 ng
RT: 8.00 min Scan# 1005
Delta R.T. 0.01 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

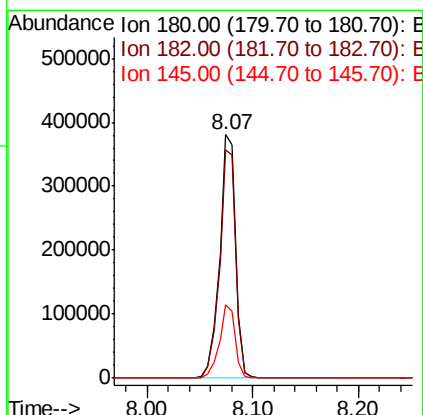
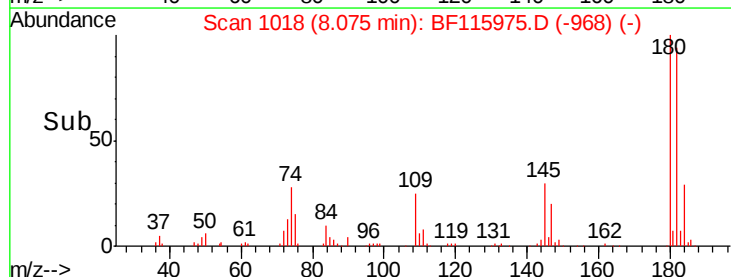
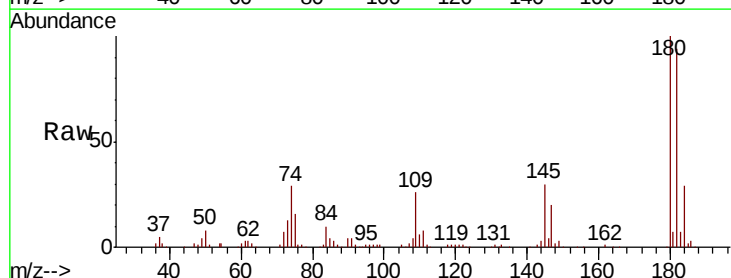
Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL01-RC

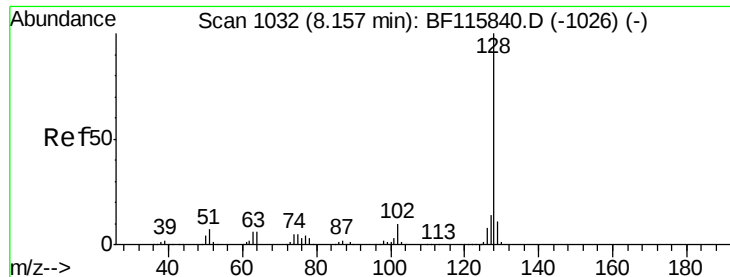
Tgt Ion:162 Resp: 378442
Ion Ratio Lower Upper
162 100
164 64.7 43.2 83.2
98 34.1 17.3 57.3



#30
1,2,4-Trichlorobenzene
Concen: 44.726 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Tgt Ion:180 Resp: 408270
Ion Ratio Lower Upper
180 100
182 93.6 76.6 114.8
145 30.1 23.2 34.8

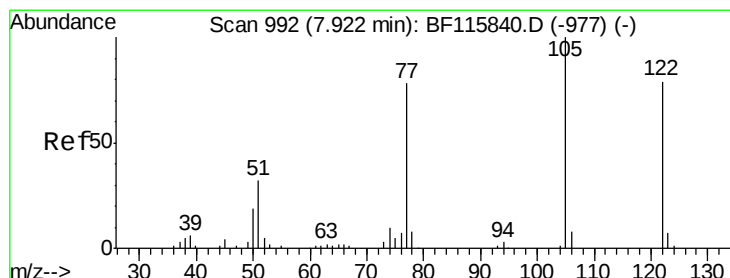
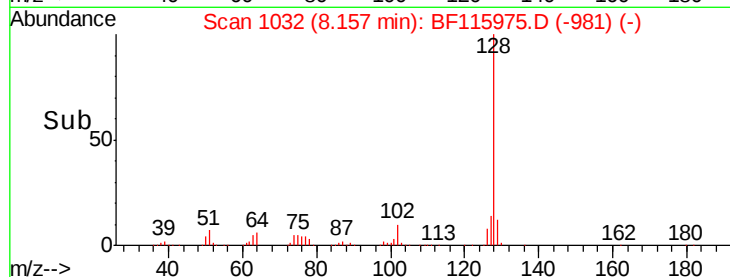
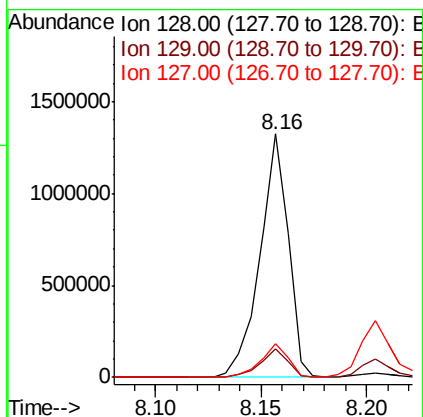
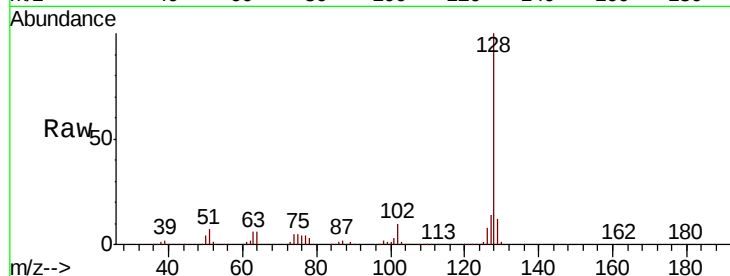




#31
Naphthalene
Concen: 46.074 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

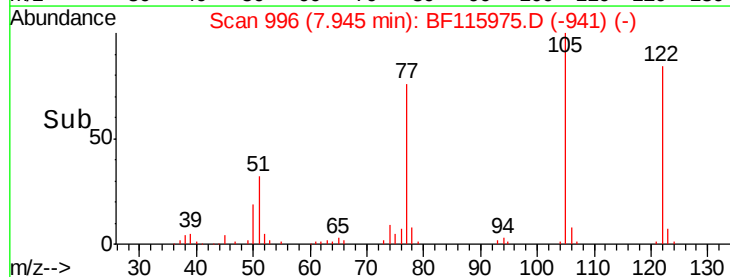
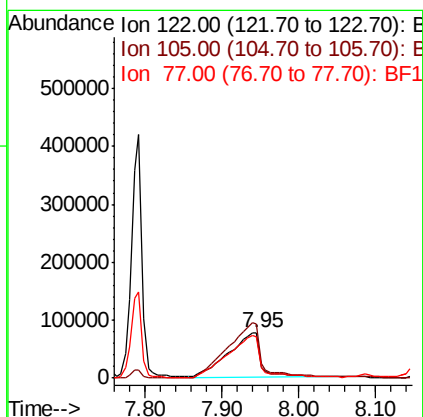
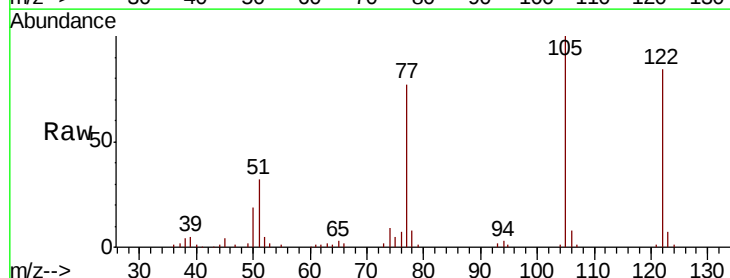
Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL01-RC

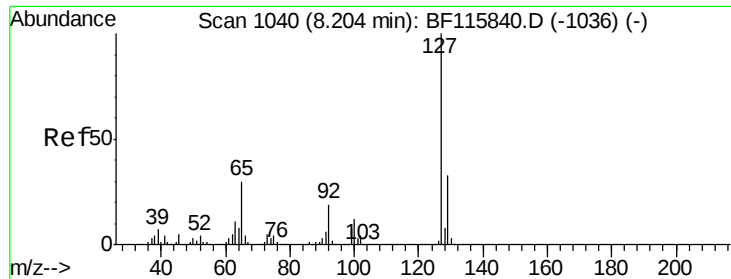
Tgt Ion:128 Resp: 1239548
Ion Ratio Lower Upper
128 100
129 11.6 9.2 13.8
127 13.9 11.0 16.4



#32
Benzoic acid
Concen: 42.723 ng
RT: 7.95 min Scan# 996
Delta R.T. 0.02 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Tgt Ion:122 Resp: 228444
Ion Ratio Lower Upper
122 100
105 119.5 103.1 143.1
77 92.2 76.8 116.8

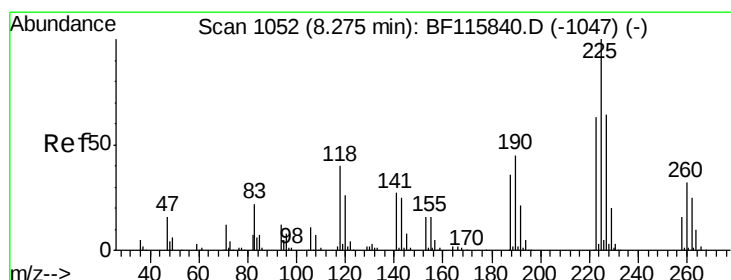
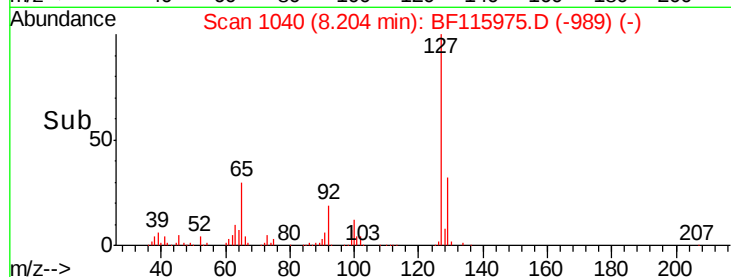
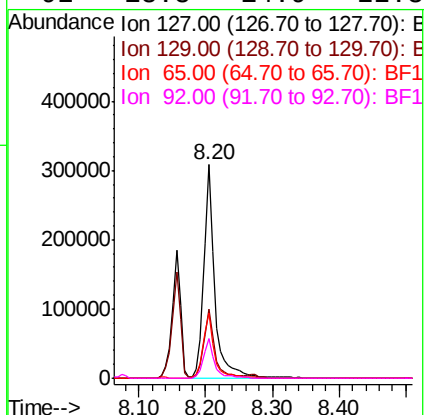
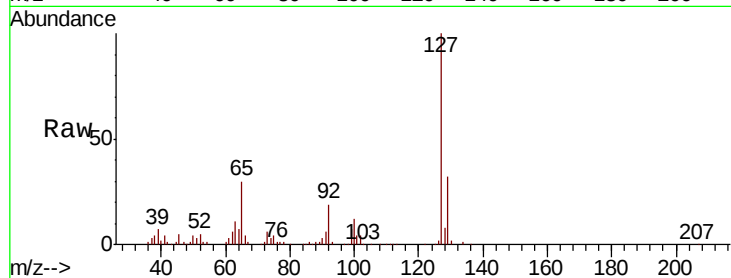




#33
4-Chloroaniline
Concen: 29.279 ng
RT: 8.20 min Scan# 1040
Delta R.T. 0.00 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

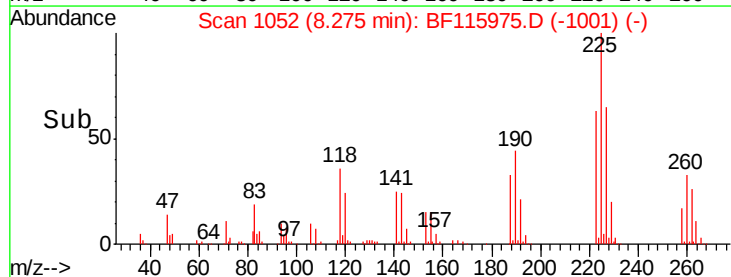
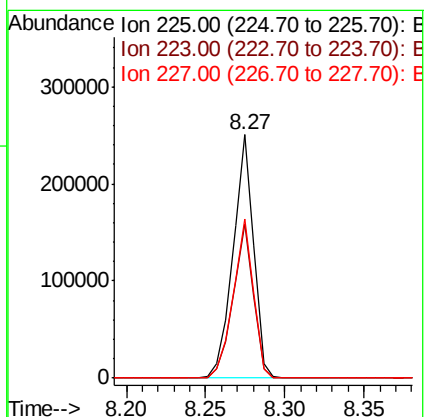
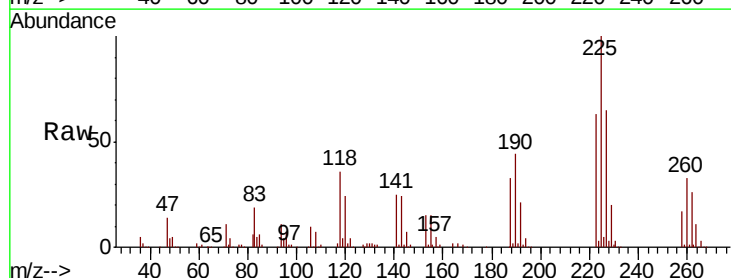
Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL01-RC

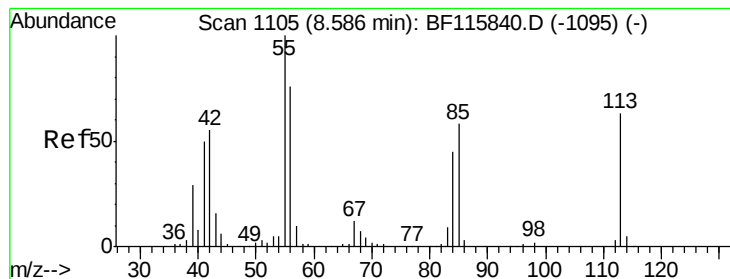
Tgt Ion:	127	Resp:	351955
Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.0	39.0
65	30.4	23.9	35.9
92	18.8	14.9	22.3



#34
Hexachlorobutadiene
Concen: 42.868 ng
RT: 8.27 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Tgt Ion:	225	Resp:	225394
Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.4	75.6
227	65.5	51.6	77.4





#35

Caprolactam

Concen: 26.970 ng

RT: 8.59 min Scan# 1106

Delta R.T. 0.01 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL01-RC

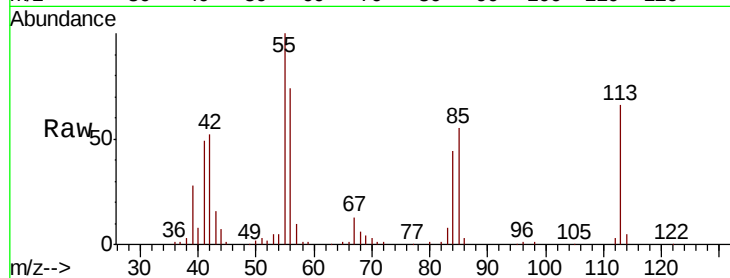
Tgt Ion:113 Resp: 69852

Ion Ratio Lower Upper

113 100

55 152.3 138.1 178.1

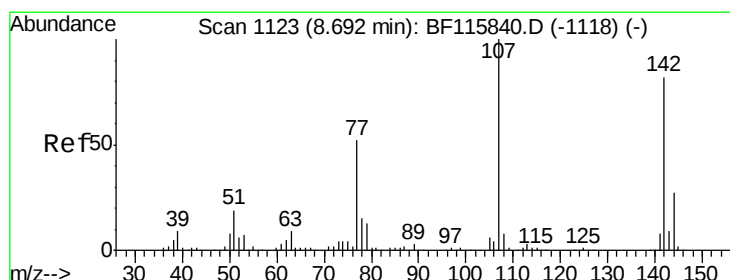
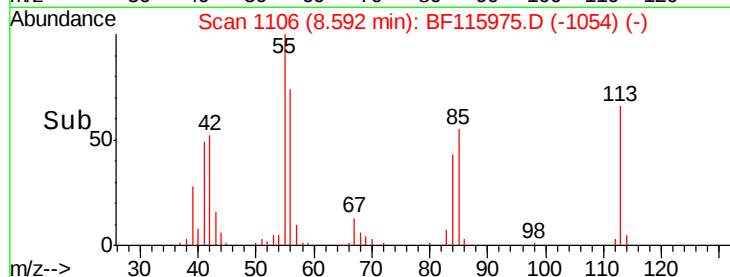
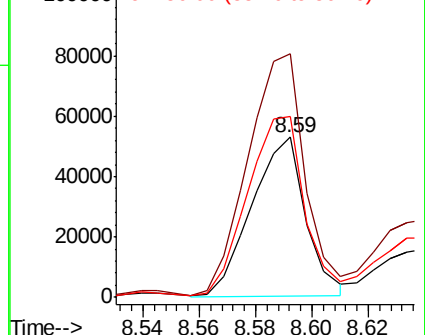
56 113.4 100.6 140.6



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 48.389 ng

RT: 8.70 min Scan# 1124

Delta R.T. 0.01 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

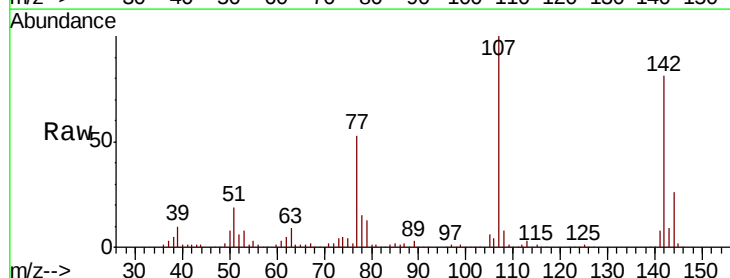
Tgt Ion:107 Resp: 403118

Ion Ratio Lower Upper

107 100

144 26.2 21.4 32.0

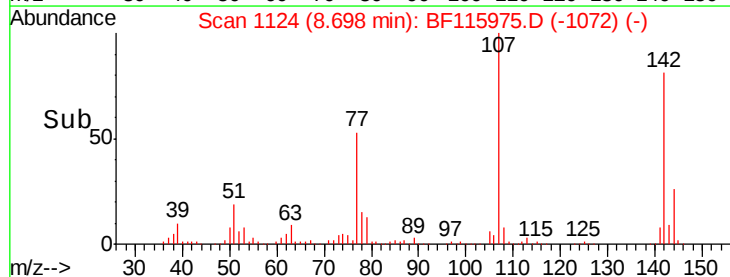
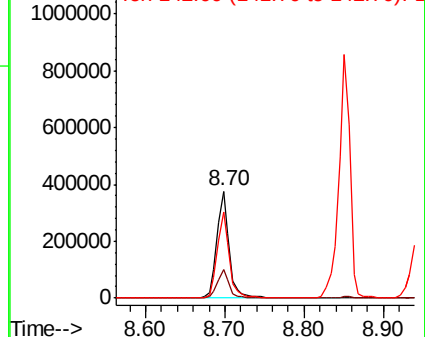
142 80.6 65.5 98.3

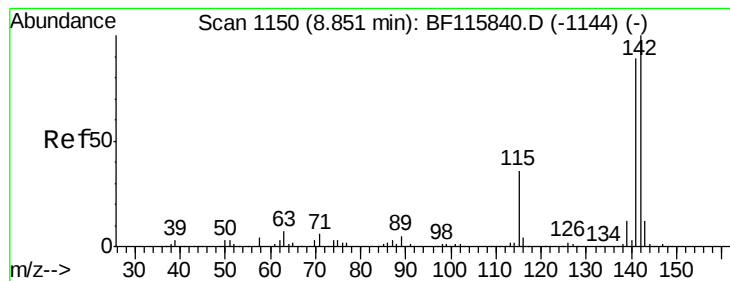


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

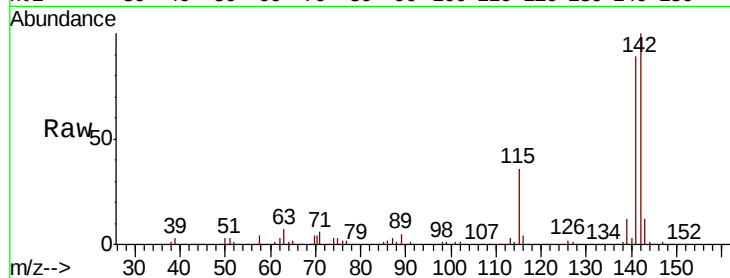




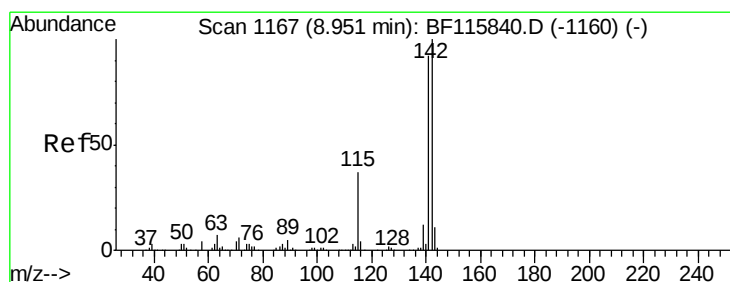
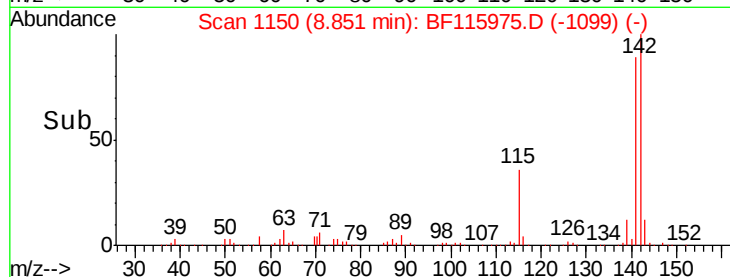
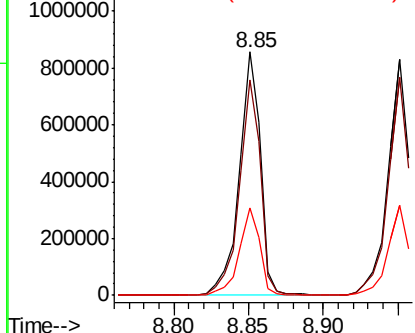
#37
 2-Methylnaphthalene
 Concen: 47.514 ng
 RT: 8.85 min Scan# 1150
 Delta R.T. 0.00 min
 Lab File: BF115975.D
 Acq: 3 Aug 2019 12:23

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL01-RC

Tgt Ion:142 Resp: 841861
 Ion Ratio Lower Upper
 142 100
 141 88.7 71.4 107.2
 115 36.0 28.9 43.3

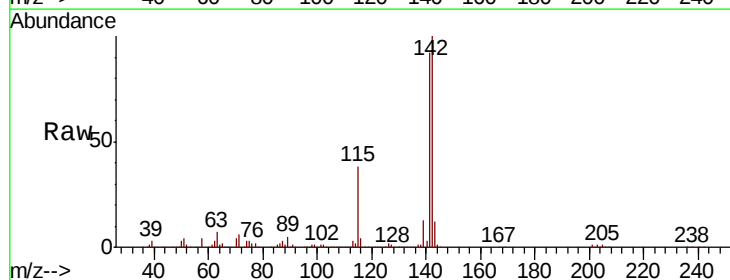


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

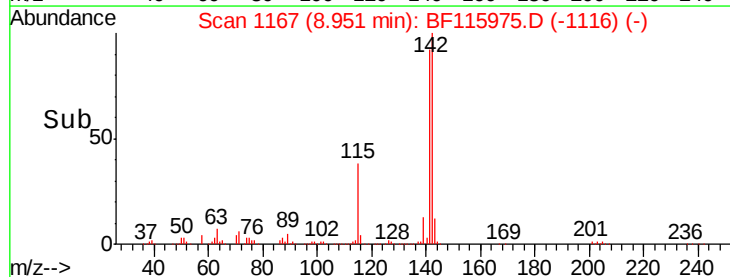
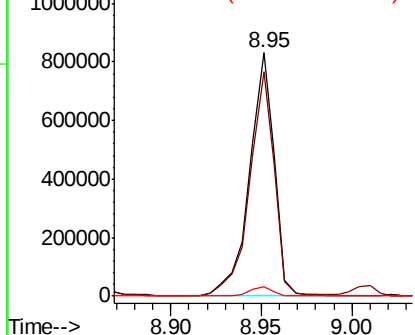


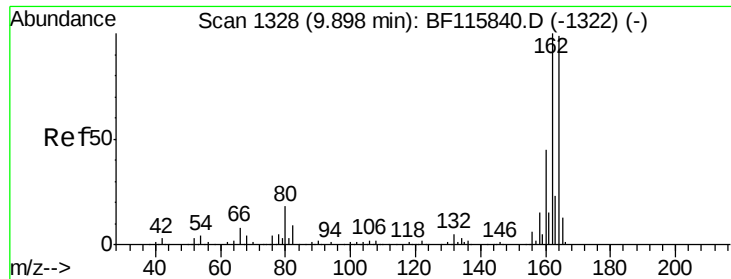
#38
 1-Methylnaphthalene
 Concen: 46.656 ng
 RT: 8.95 min Scan# 1167
 Delta R.T. 0.00 min
 Lab File: BF115975.D
 Acq: 3 Aug 2019 12:23

Tgt Ion:142 Resp: 782042
 Ion Ratio Lower Upper
 142 100
 141 92.2 73.8 110.6
 116 4.0 3.1 4.7



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.00 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL01-RC

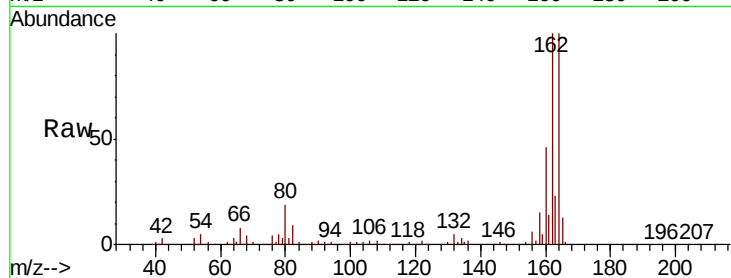
Tgt Ion:164 Resp: 320346

Ion Ratio Lower Upper

164 100

162 100.3 80.8 121.2

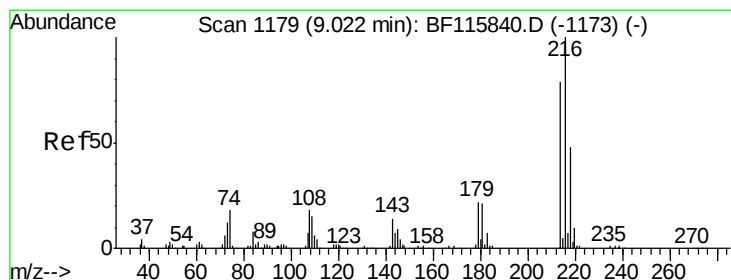
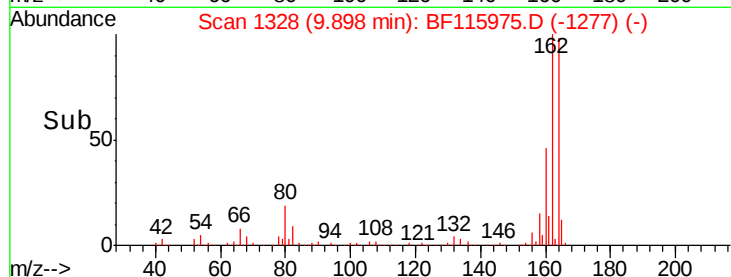
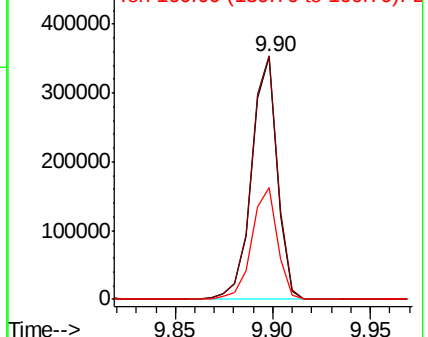
160 45.9 36.2 54.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 44.400 ng

RT: 9.02 min Scan# 1179

Delta R.T. 0.00 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Tgt Ion:216 Resp: 380252

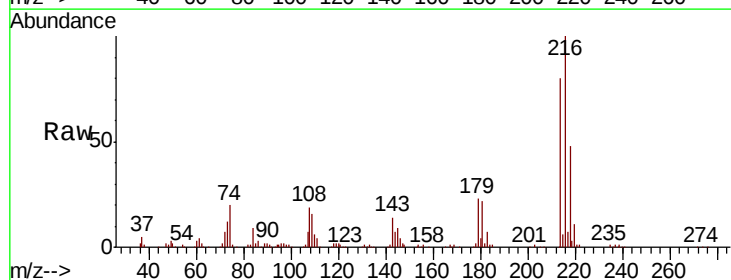
Ion Ratio Lower Upper

216 100

214 79.6 62.8 94.2

179 22.1 17.6 26.4

108 21.5 16.1 24.1

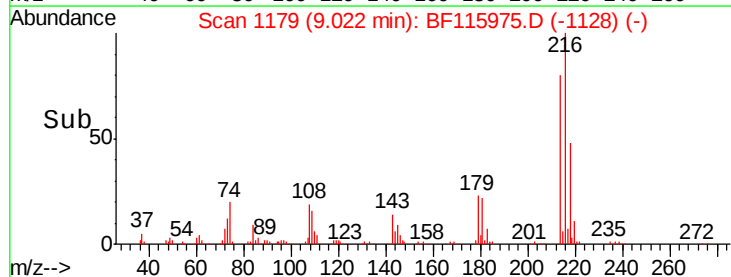
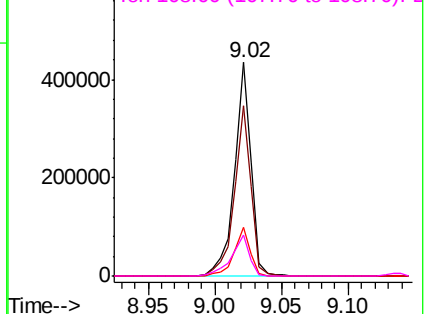


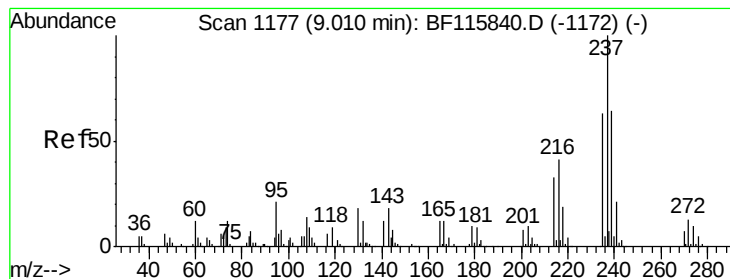
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 65.544 ng

RT: 9.01 min Scan# 1177

Delta R.T. 0.00 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL01-RC

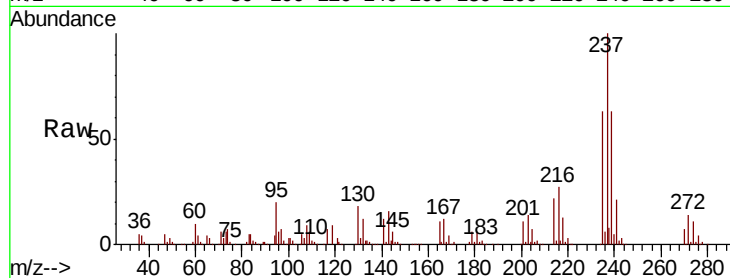
Tgt Ion: 237 Resp: 247553

Ion Ratio Lower Upper

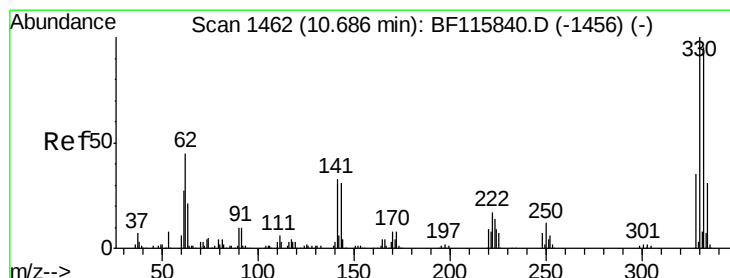
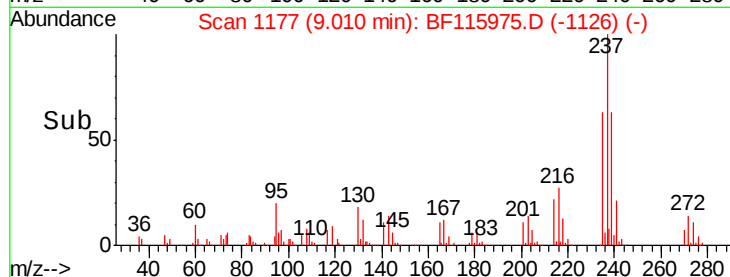
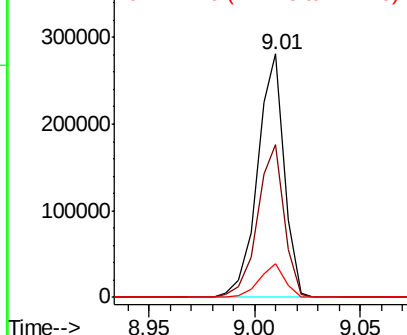
237 100

235 62.9 42.5 82.5

272 13.8 0.0 33.3



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 118.906 ng

RT: 10.69 min Scan# 1463

Delta R.T. 0.01 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

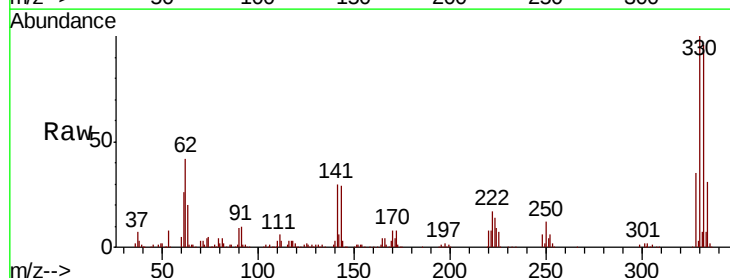
Tgt Ion: 330 Resp: 369302

Ion Ratio Lower Upper

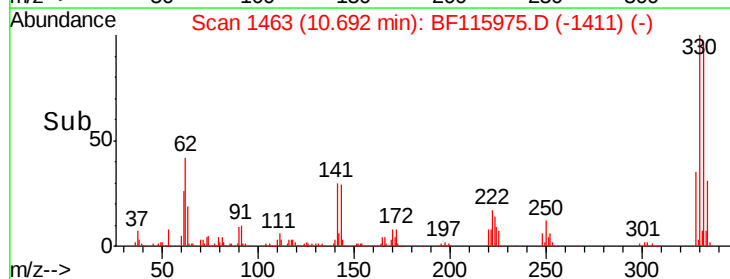
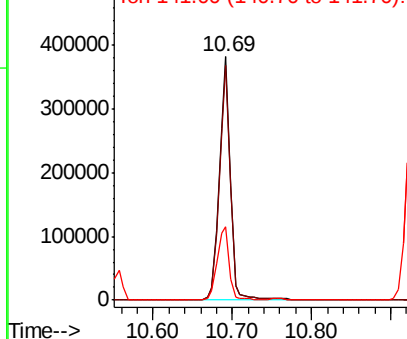
330 100

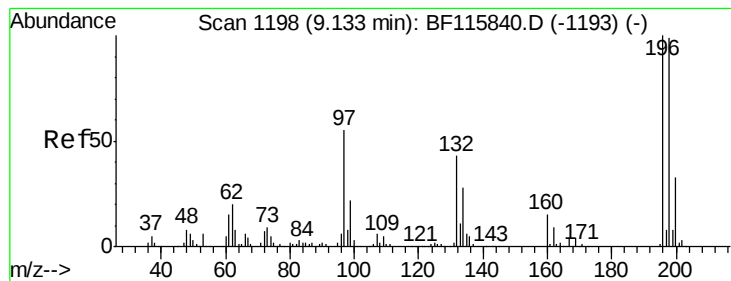
332 96.8 77.7 116.5

141 32.8 28.1 42.1



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





#43

2,4,6-Trichlorophenol

Concen: 43.356 ng

RT: 9.13 min Scan# 1198

Delta R.T. 0.00 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL01-RC

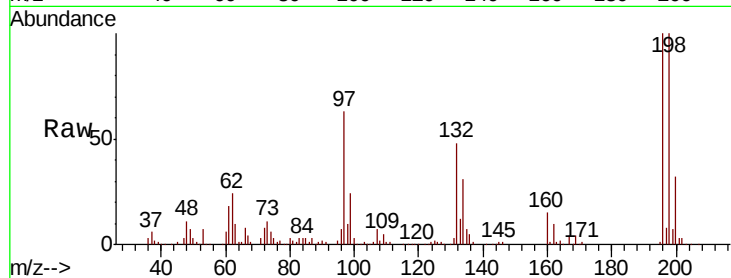
Tgt Ion:196 Resp: 255574

Ion Ratio Lower Upper

196 100

198 100.1 79.1 118.7

200 31.8 26.0 39.0

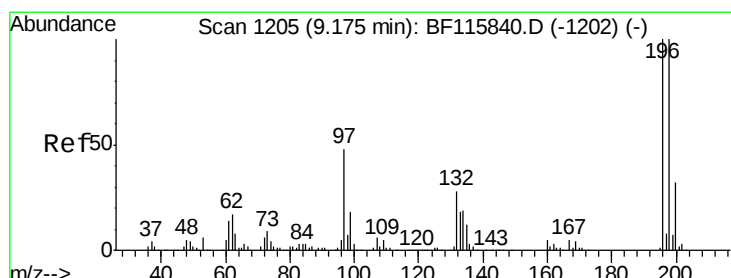
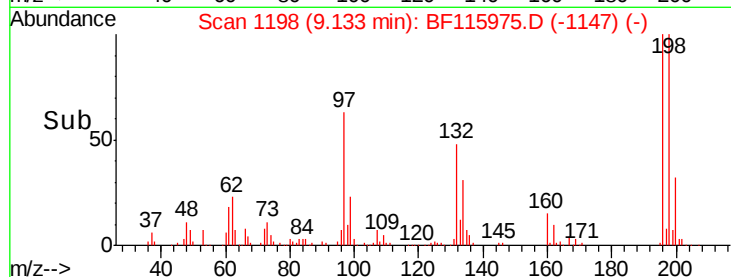
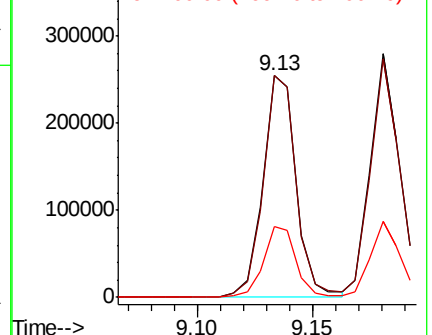


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44

2,4,5-Trichlorophenol

Concen: 44.998 ng

RT: 9.18 min Scan# 1206

Delta R.T. 0.01 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Tgt Ion:196 Resp: 274197

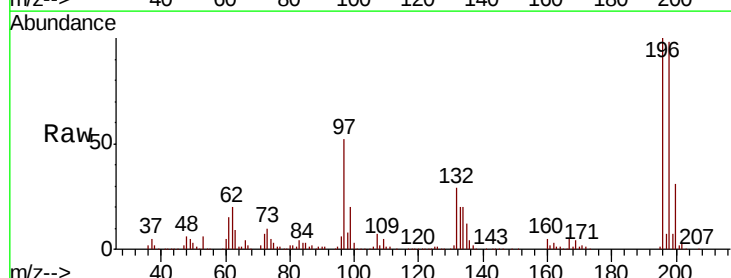
Ion Ratio Lower Upper

196 100

198 98.0 80.1 120.1

97 51.8 38.9 58.3

132 29.4 22.6 33.8



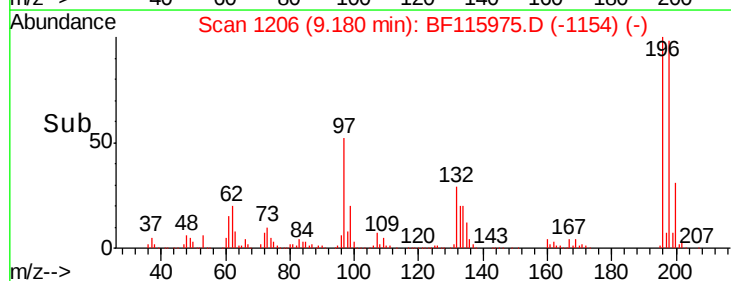
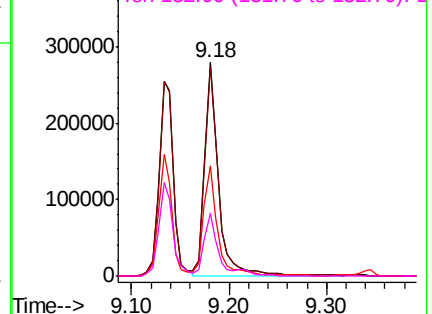
Abundance

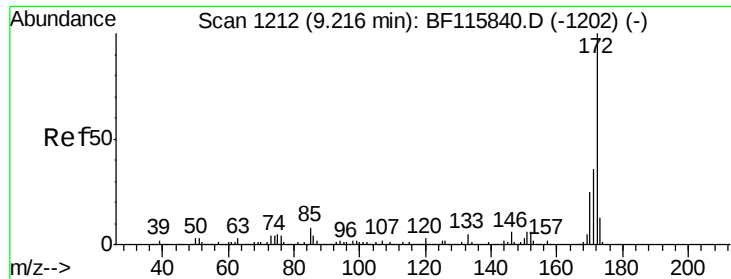
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E

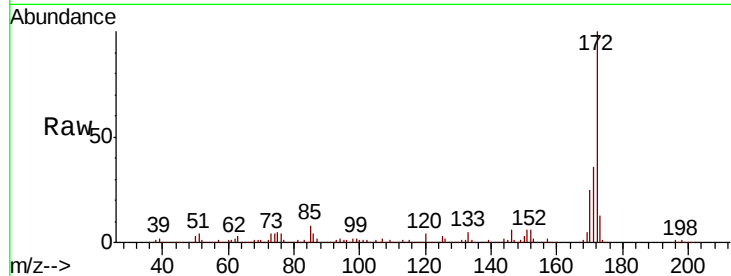




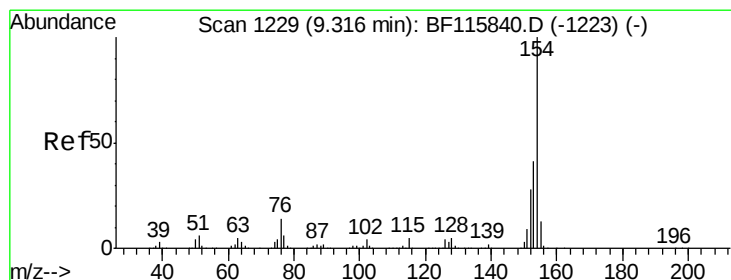
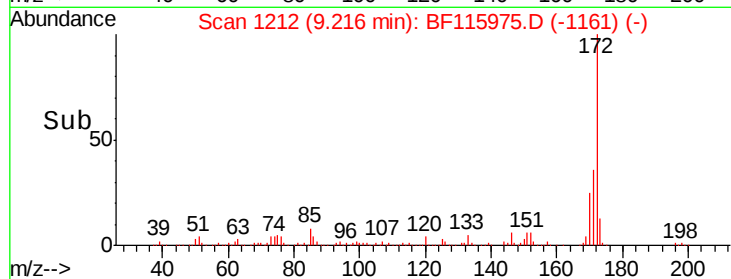
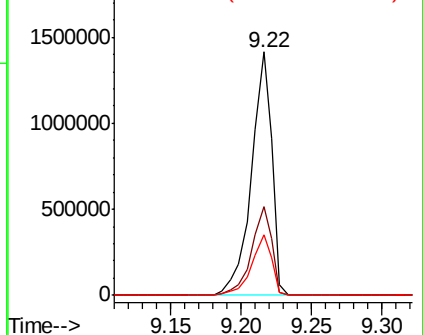
#45
 2-Fluorobiphenyl
 Concen: 84.493 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. 0.00 min
 Lab File: BF115975.D
 Acq: 3 Aug 2019 12:23

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL01-RC

Tgt Ion:172 Resp: 1445058
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.1 43.7
 170 24.9 20.1 30.1

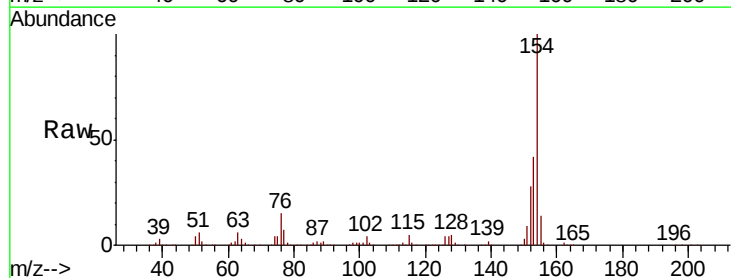


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

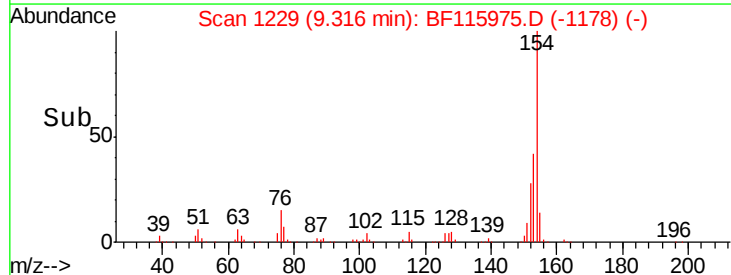
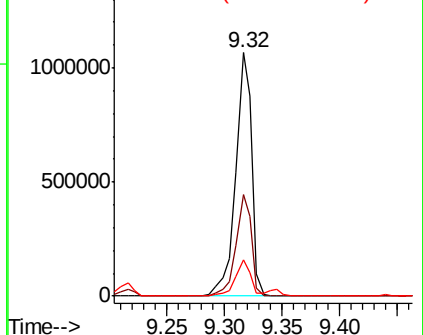


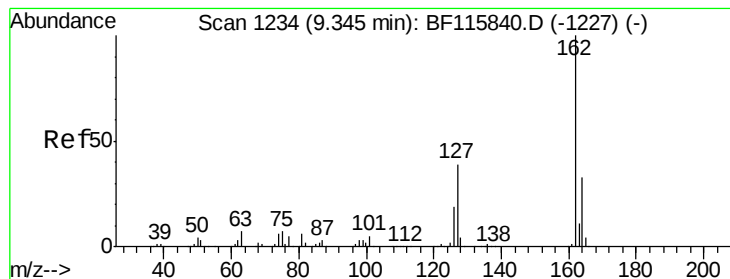
#46
 1,1'-Biphenyl
 Concen: 45.132 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: BF115975.D
 Acq: 3 Aug 2019 12:23

Tgt Ion:154 Resp: 1020713
 Ion Ratio Lower Upper
 154 100
 153 41.7 20.9 60.9
 76 14.8 0.0 34.3



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

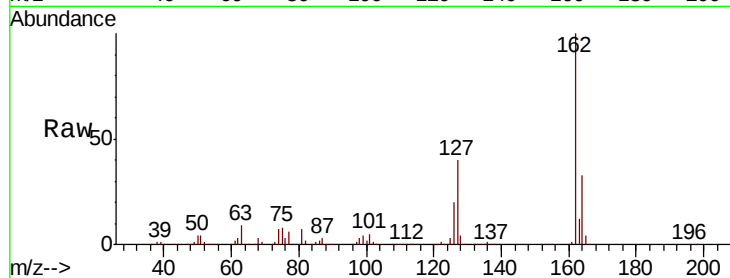




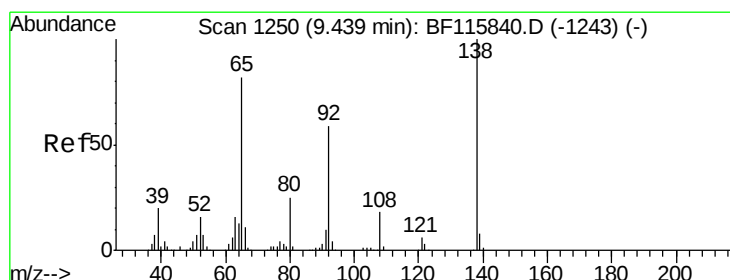
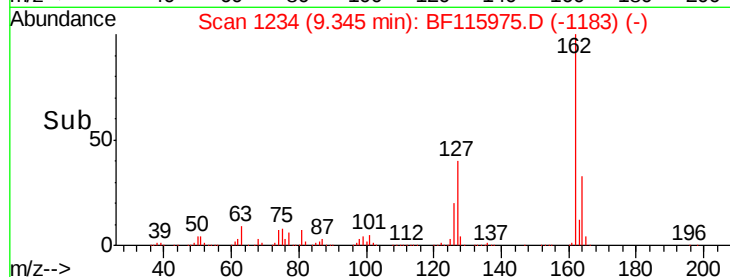
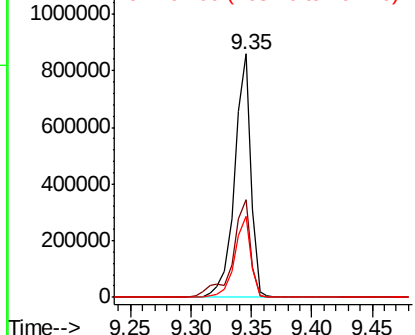
#47
 2-Chloronaphthalene
 Concen: 42.778 ng
 RT: 9.35 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: BF115975.D
 Acq: 3 Aug 2019 12:23

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL01-RC

Tgt Ion:	162	Resp:	805231
Ion	Ratio	Lower	Upper
162	100		
127	40.1	31.3	46.9
164	33.4	26.6	40.0

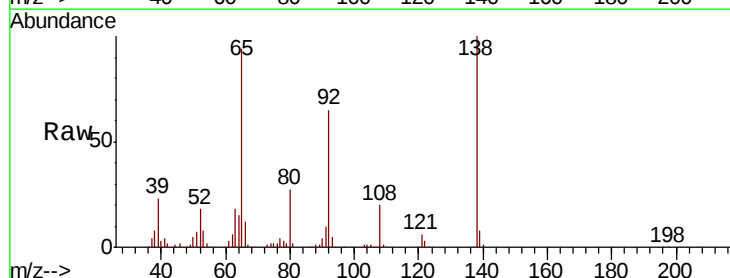


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

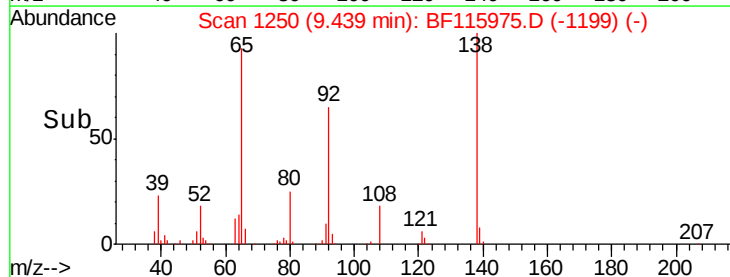
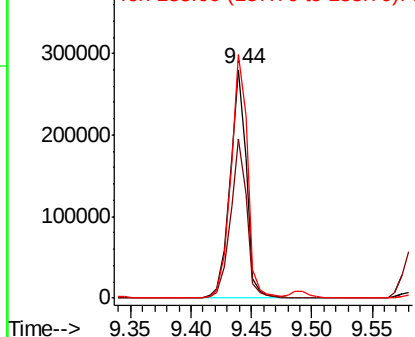


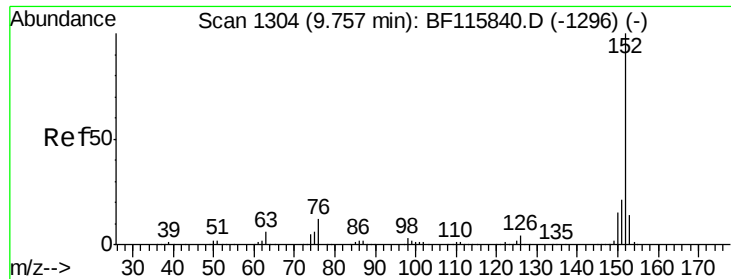
#48
 2-Nitroaniline
 Concen: 42.425 ng
 RT: 9.44 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: BF115975.D
 Acq: 3 Aug 2019 12:23

Tgt Ion:	65	Resp:	263961
Ion	Ratio	Lower	Upper
65	100		
92	69.4	57.1	85.7
138	106.5	97.1	145.7



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 45.212 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.00 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL01-RC

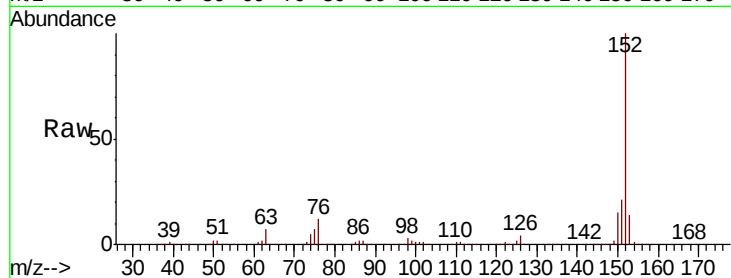
Tgt Ion:152 Resp: 1241607

Ion Ratio Lower Upper

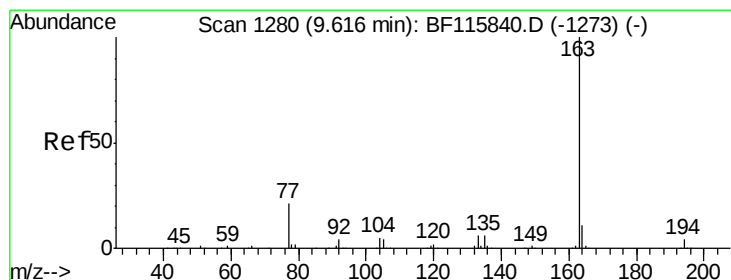
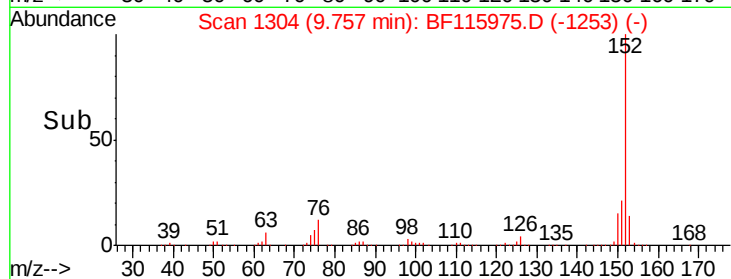
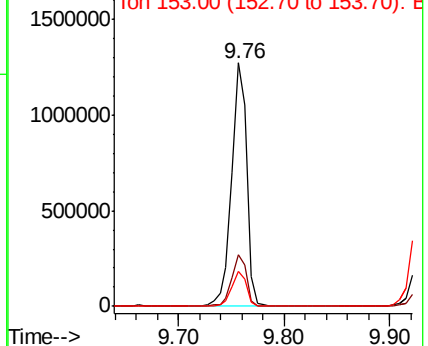
152 100

151 21.0 16.8 25.2

153 14.4 11.6 17.4



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 45.087 ng

RT: 9.62 min Scan# 1281

Delta R.T. 0.01 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

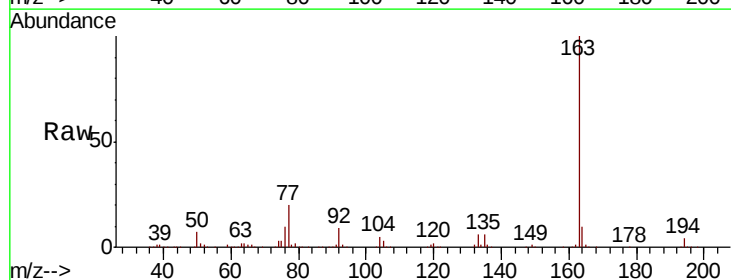
Tgt Ion:163 Resp: 983426

Ion Ratio Lower Upper

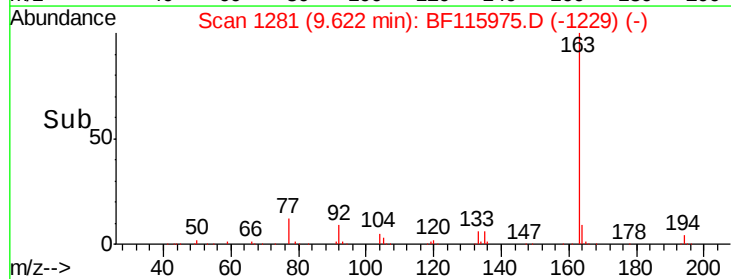
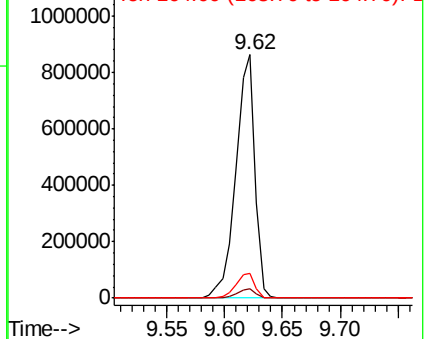
163 100

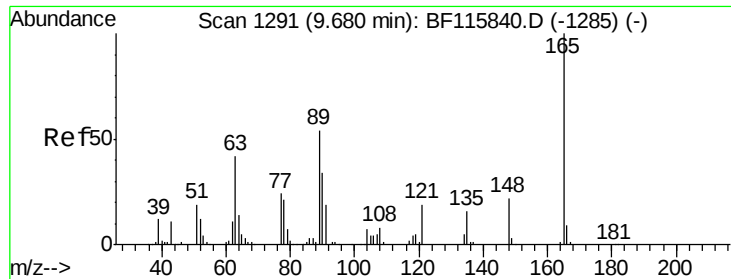
194 3.8 3.0 4.6

164 10.1 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

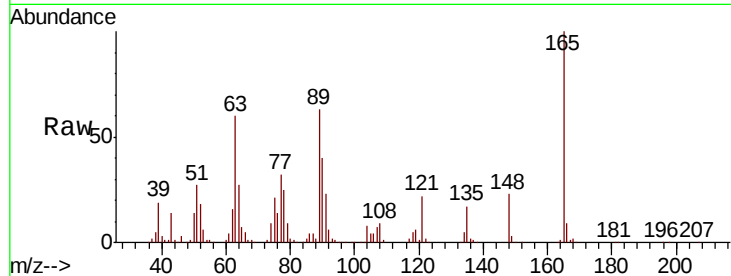




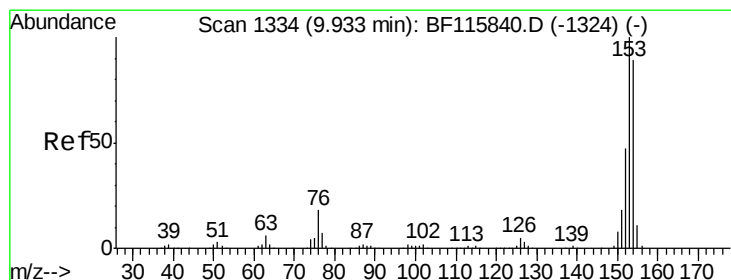
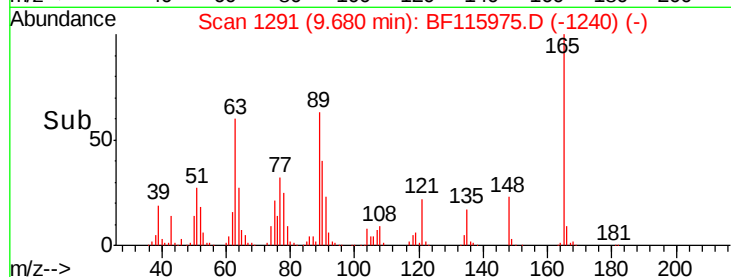
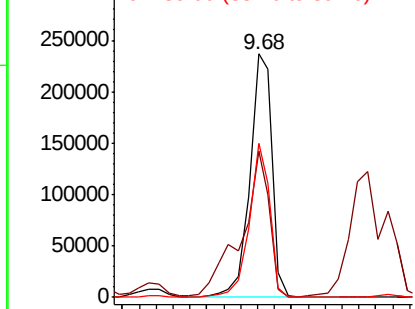
#51
2,6-Dinitrotoluene
Concen: 46.078 ng
RT: 9.68 min Scan# 1291
Delta R.T. 0.00 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL01-RC

Tgt Ion:165 Resp: 218416
Ion Ratio Lower Upper
165 100
63 60.1 39.4 59.2#
89 63.2 43.0 64.6

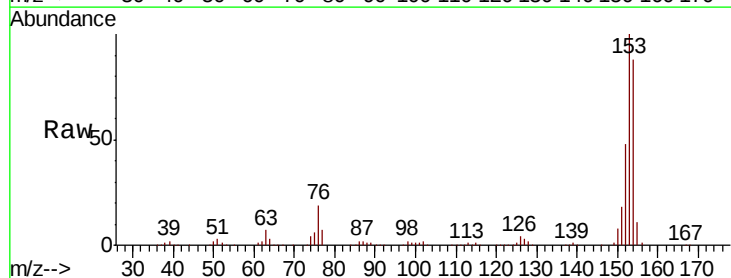


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

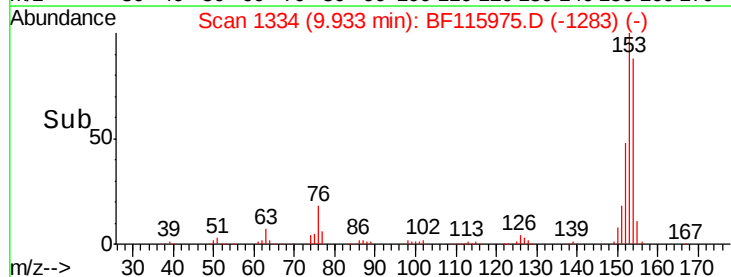
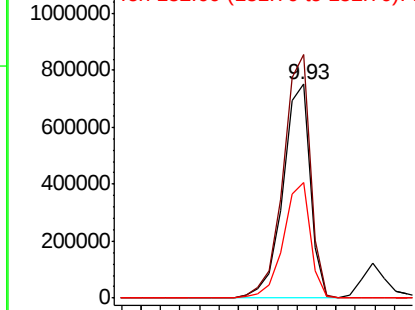


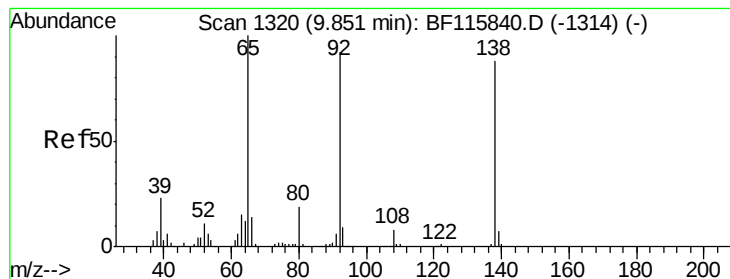
#52
Acenaphthene
Concen: 43.446 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Tgt Ion:154 Resp: 731955
Ion Ratio Lower Upper
154 100
153 113.8 90.1 135.1
152 54.1 42.6 63.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 30.684 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.00 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL01-RC

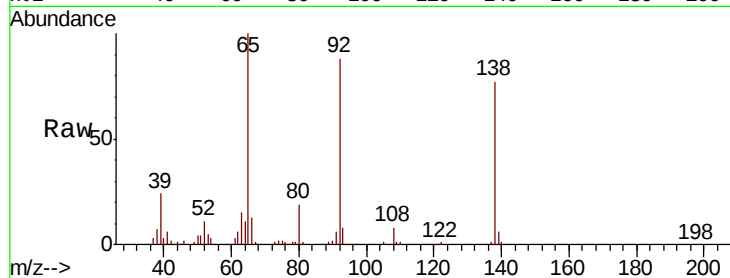
Tgt Ion:138 Resp: 179715

Ion Ratio Lower Upper

138 100

108 10.0 7.4 11.2

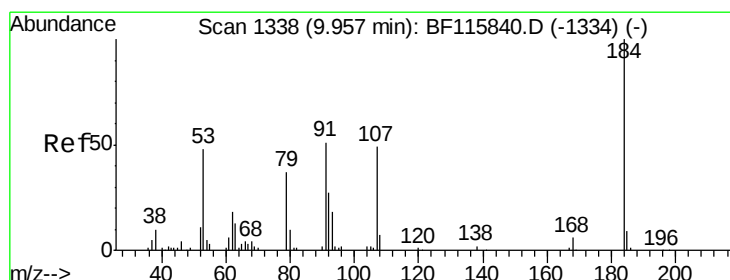
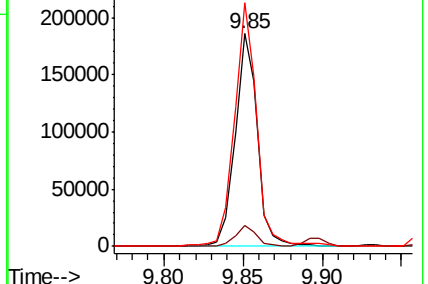
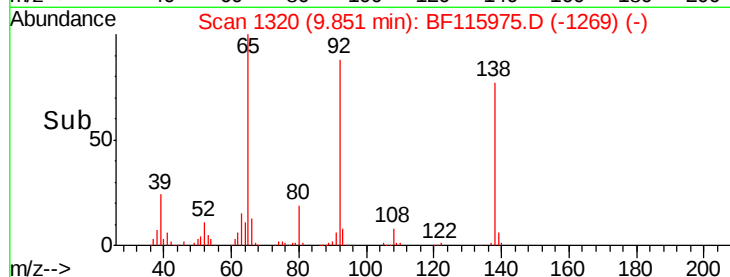
92 114.6 83.9 125.9



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54

2,4-Dinitrophenol

Concen: 75.518 ng

RT: 9.97 min Scan# 1340

Delta R.T. 0.01 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

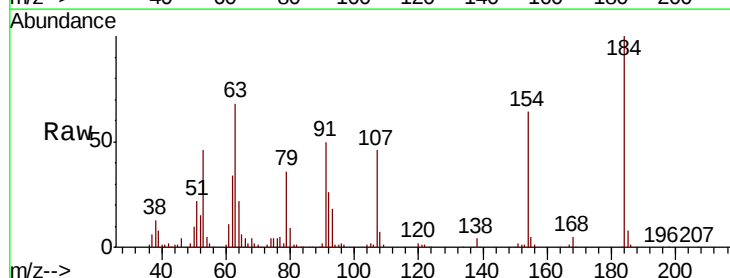
Tgt Ion:184 Resp: 180896

Ion Ratio Lower Upper

184 100

63 68.0 56.7 85.1

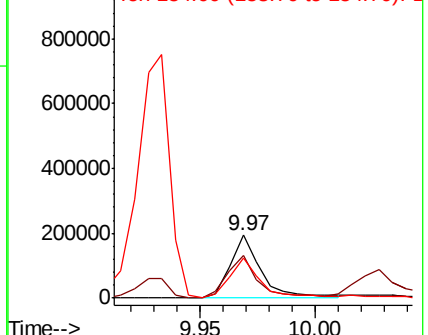
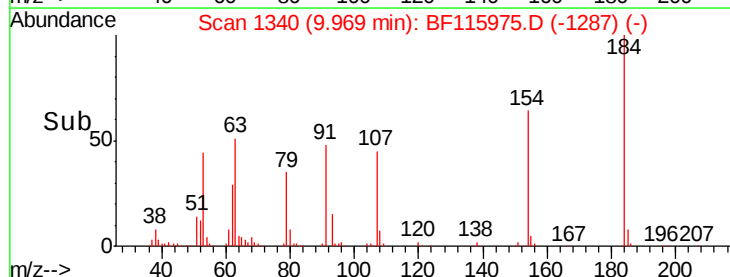
154 64.1 51.9 77.9

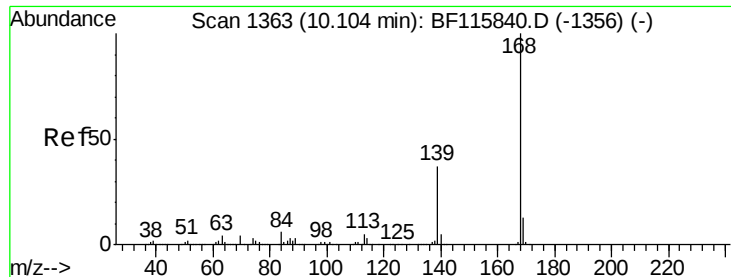


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

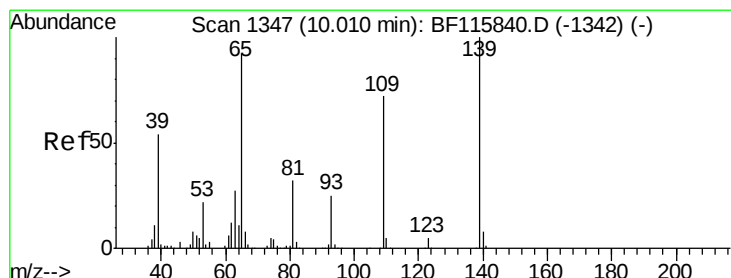
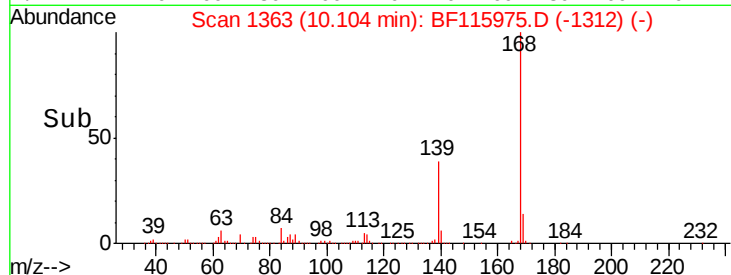
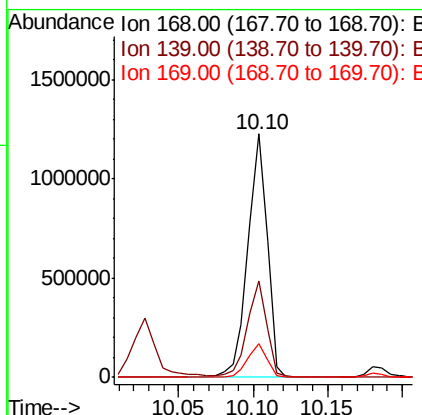
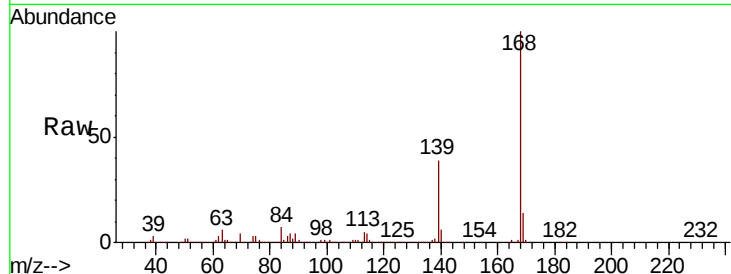




#55
Dibenzofuran
Concen: 45.066 ng
RT: 10.10 min Scan# 1363
Delta R.T. 0.00 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

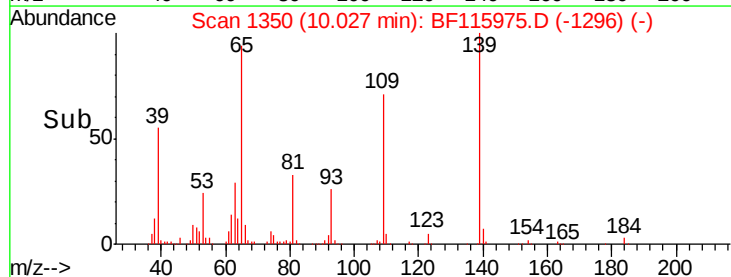
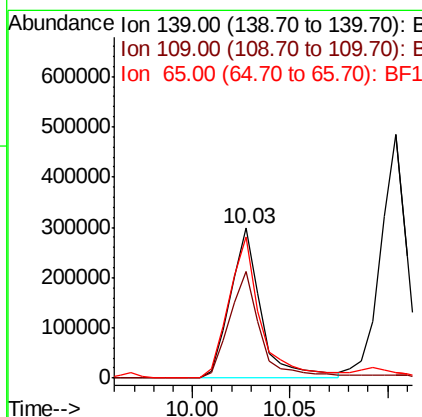
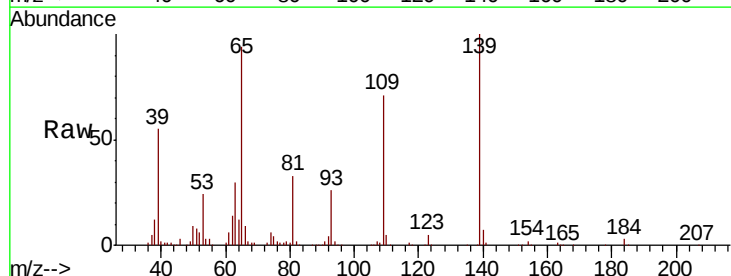
Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL01-RC

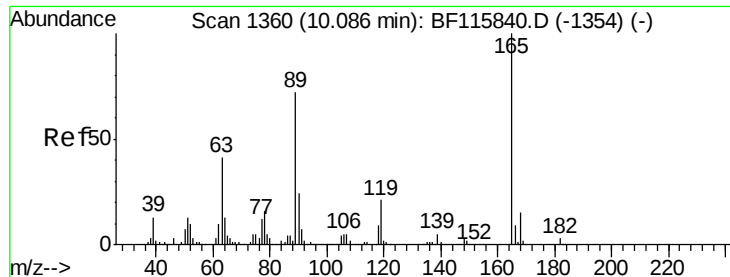
Tgt Ion:168 Resp: 1104127
Ion Ratio Lower Upper
168 100
139 39.5 30.2 45.2
169 13.7 10.8 16.2



#56
4-Nitrophenol
Concen: 87.001 ng
RT: 10.03 min Scan# 1350
Delta R.T. 0.02 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Tgt Ion:139 Resp: 326427
Ion Ratio Lower Upper
139 100
109 71.5 52.0 92.0
65 94.4 72.6 112.6





#57

2,4-Dinitrotoluene

Concen: 44.807 ng

RT: 10.09 min Scan# 1361

Delta R.T. 0.01 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL01-RC

Tgt Ion:165 Resp: 282779

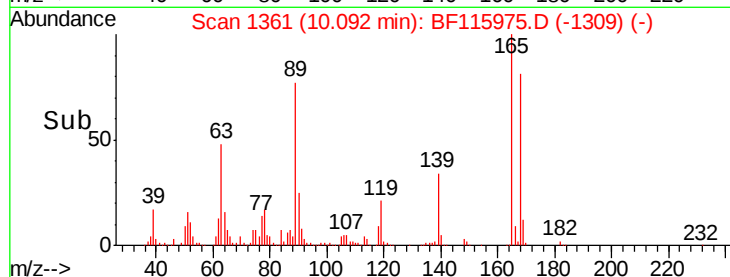
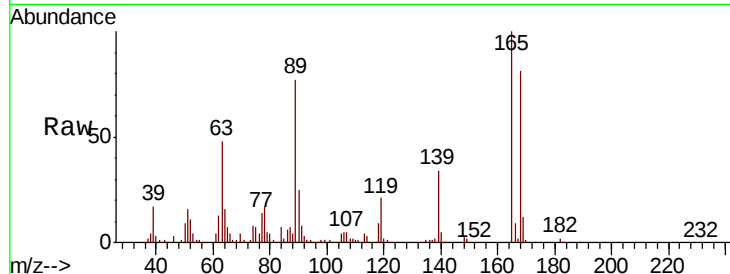
Ion Ratio Lower Upper

165 100

63 48.2 33.2 49.8

89 77.2 57.3 85.9

182 2.5 2.1 3.1

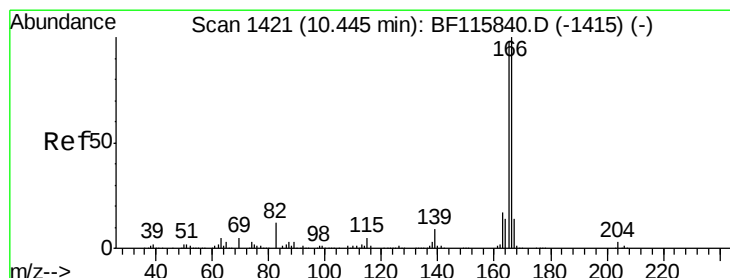
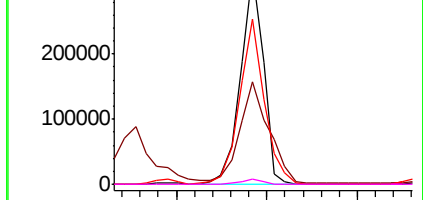


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 45.512 ng

RT: 10.45 min Scan# 1421

Delta R.T. 0.00 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

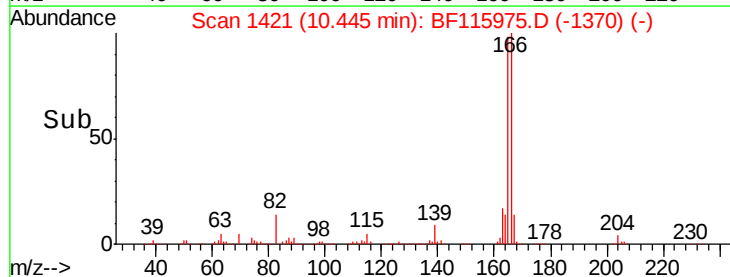
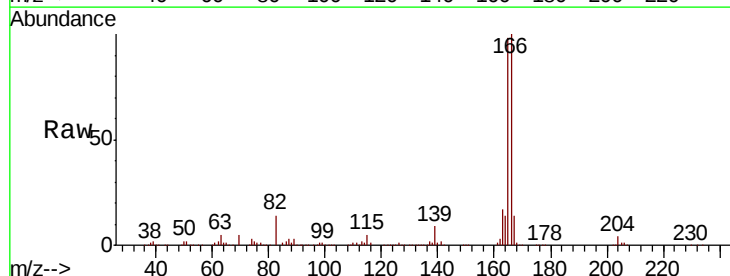
Tgt Ion:166 Resp: 857901

Ion Ratio Lower Upper

166 100

165 97.6 78.6 118.0

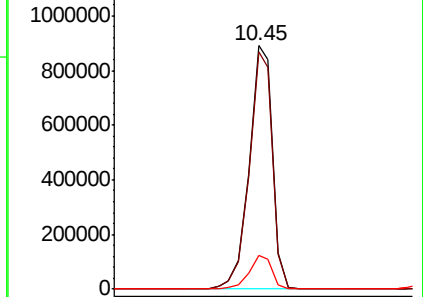
167 13.7 10.9 16.3

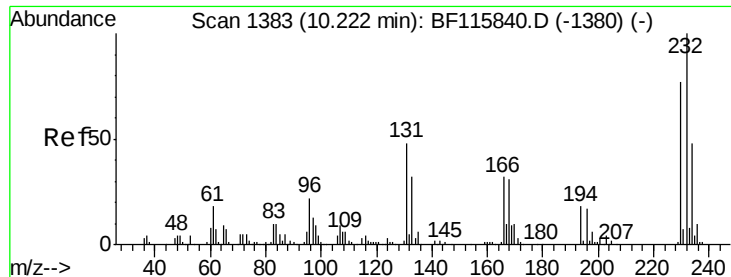


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

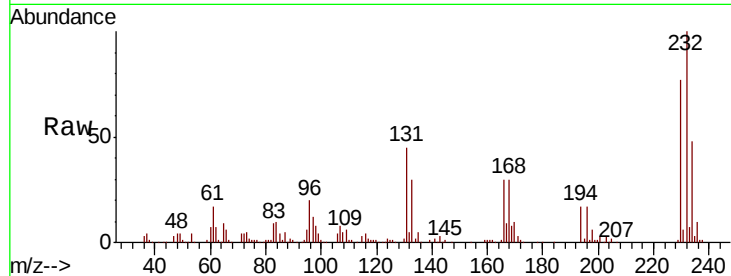




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 44.750 ng
 RT: 10.23 min Scan# 1384
 Delta R.T. 0.01 min
 Lab File: BF115975.D
 Acq: 3 Aug 2019 12:23

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL01-RC

Tgt Ion	Ratio	Lower	Upper
232	100		
131	49.6	37.6	56.4
130	2.4	1.8	2.8
166	30.7	24.6	37.0



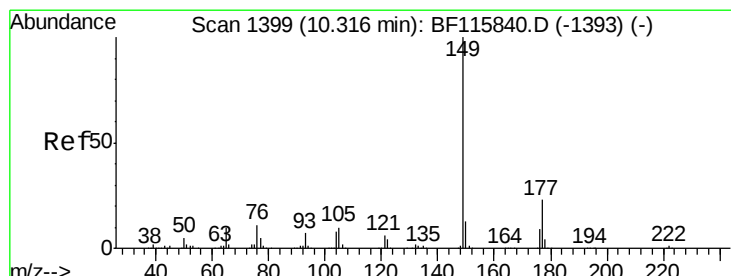
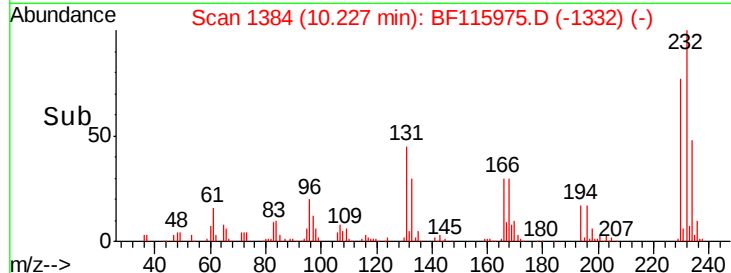
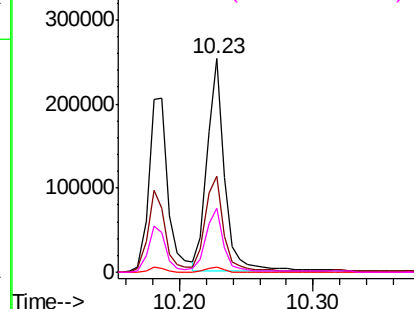
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

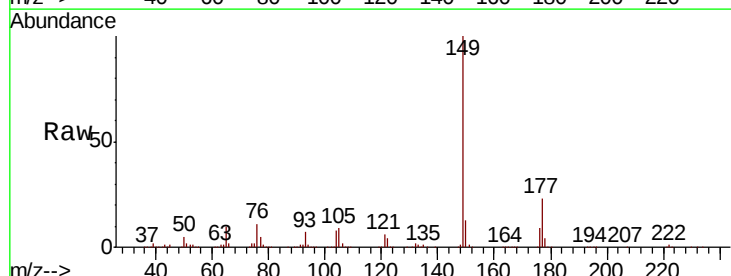
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
 Diethylphthalate
 Concen: 45.366 ng
 RT: 10.32 min Scan# 1400
 Delta R.T. 0.01 min
 Lab File: BF115975.D
 Acq: 3 Aug 2019 12:23

Tgt Ion	Ratio	Lower	Upper
149	100		
177	23.2	18.4	27.6
150	12.6	10.1	15.1

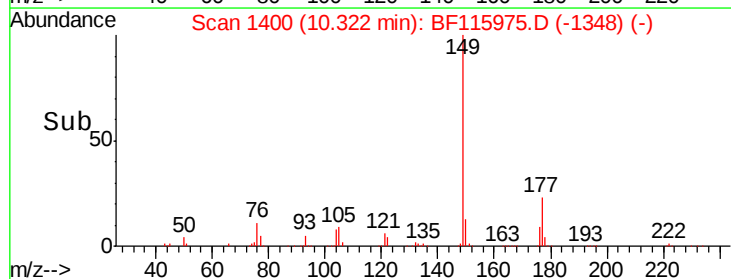
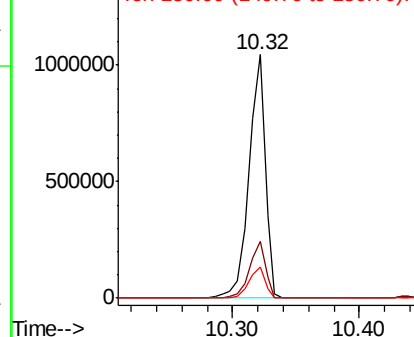


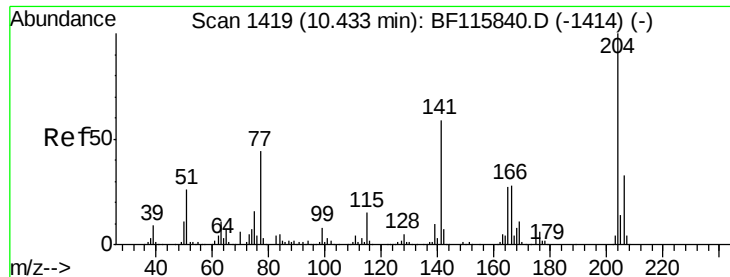
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

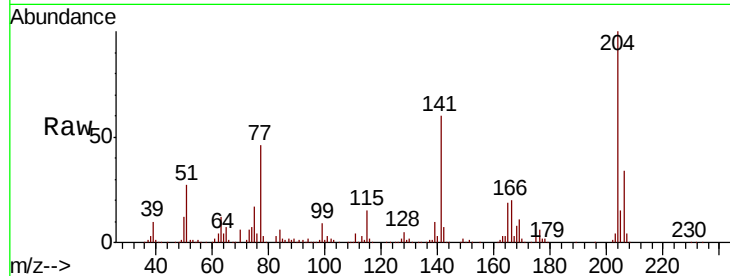




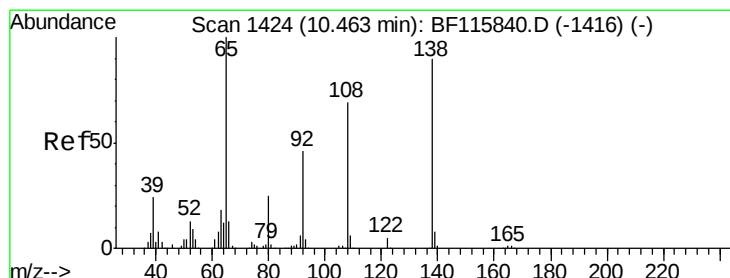
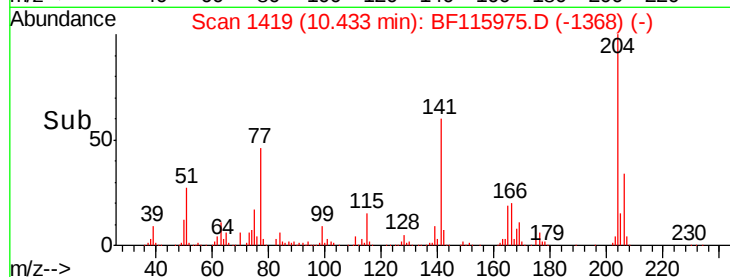
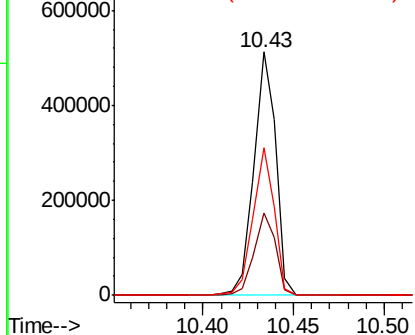
#61
 4-Chlorophenyl-phenylether
 Concen: 45.003 ng
 RT: 10.43 min Scan# 1419
 Delta R.T. 0.00 min
 Lab File: BF115975.D
 Acq: 3 Aug 2019 12:23

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL01-RC

Tgt Ion: 204 Resp: 429631
 Ion Ratio Lower Upper
 204 100
 206 33.6 26.4 39.6
 141 60.4 47.0 70.4

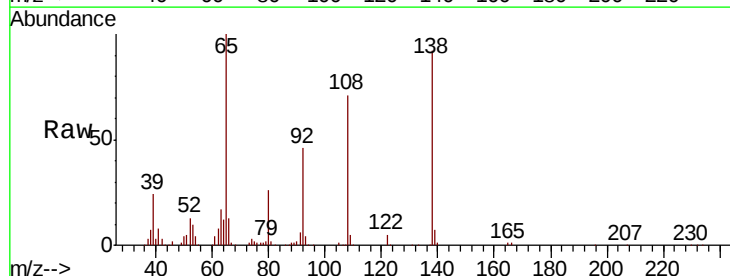


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

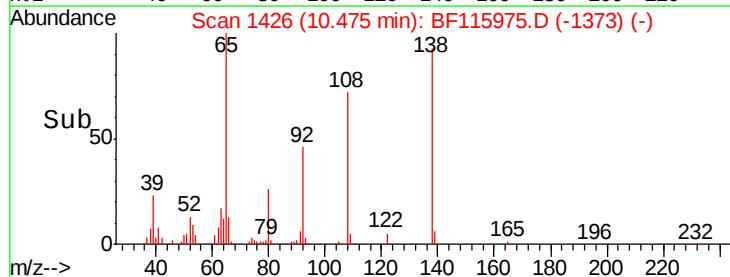
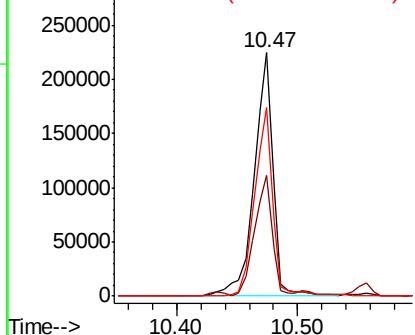


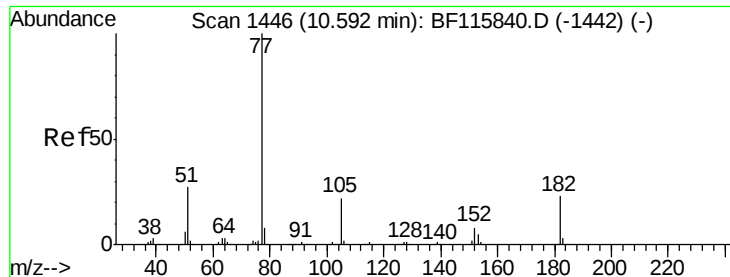
#62
 4-Nitroaniline
 Concen: 40.563 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. 0.01 min
 Lab File: BF115975.D
 Acq: 3 Aug 2019 12:23

Tgt Ion: 138 Resp: 245522
 Ion Ratio Lower Upper
 138 100
 92 49.6 31.0 71.0
 108 77.5 56.7 96.7



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 45.722 ng

RT: 10.60 min Scan# 1447

Delta R.T. 0.01 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL01-RC

Tgt Ion: 77 Resp: 957693

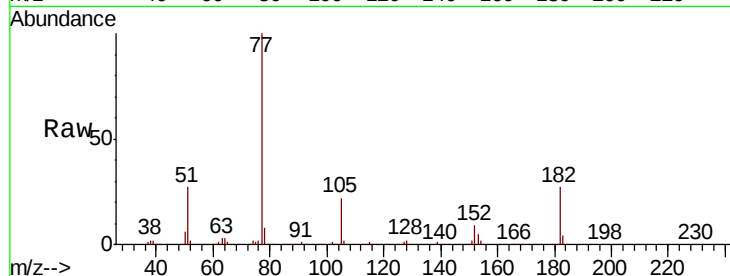
Ion Ratio Lower Upper

77 100

182 26.5 2.6 42.6

105 22.4 1.6 41.6

51 26.9 7.4 47.4

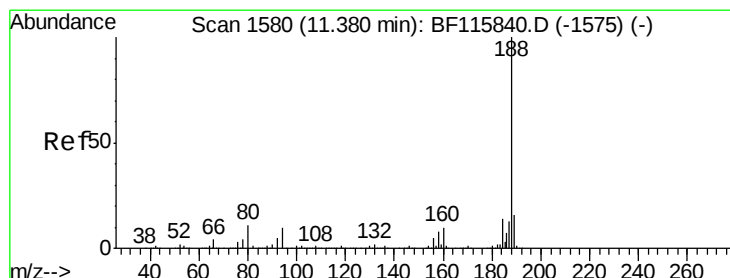
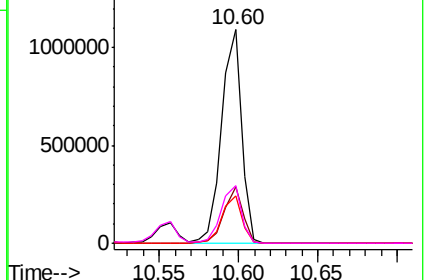
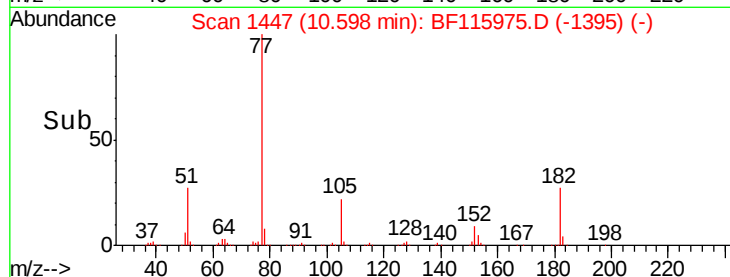


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.39 min Scan# 1581

Delta R.T. 0.01 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

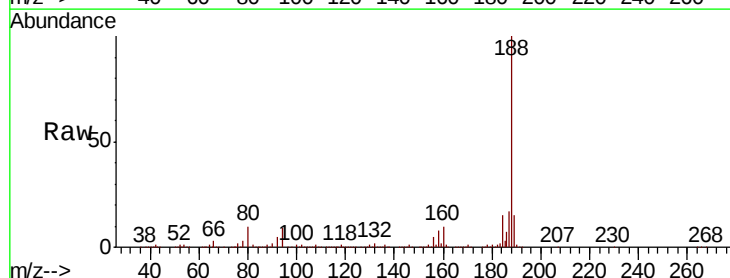
Tgt Ion: 188 Resp: 562185

Ion Ratio Lower Upper

188 100

94 9.0 8.0 12.0

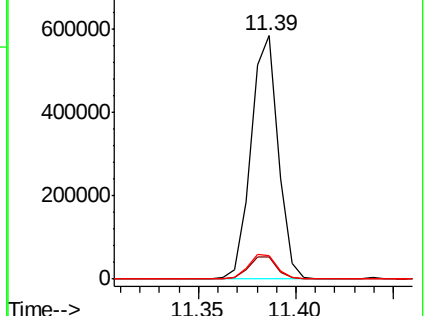
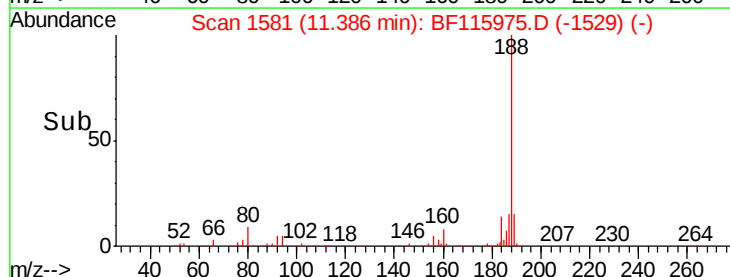
80 9.8 8.6 12.8

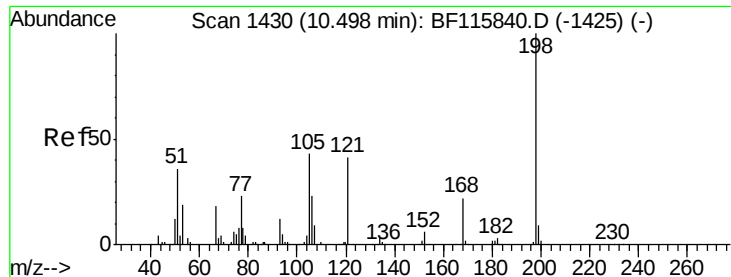


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

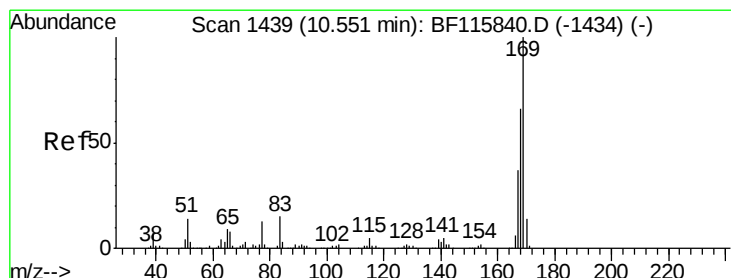
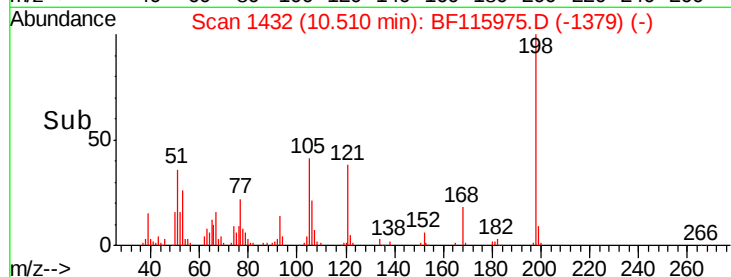
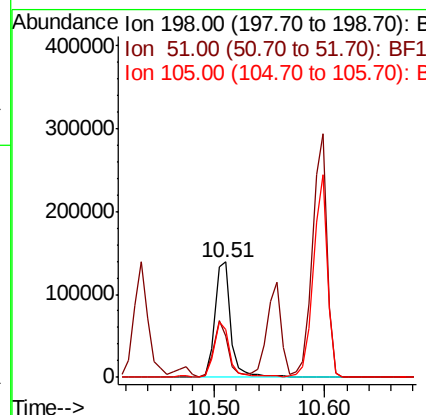
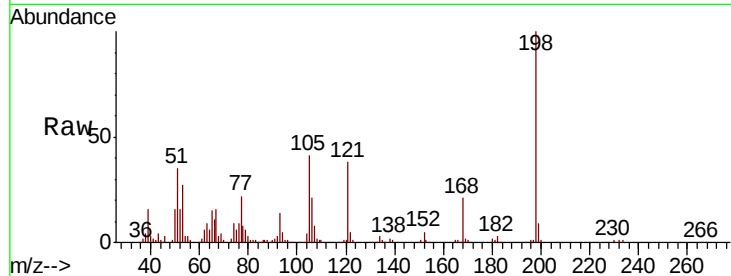




#65
 4,6-Dinitro-2-methylphenol
 Concen: 45.806 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: BF115975.D
 Acq: 3 Aug 2019 12:23

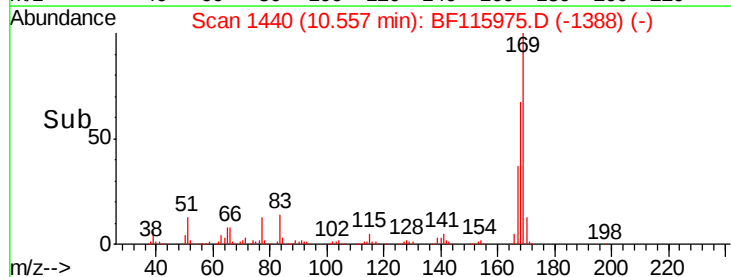
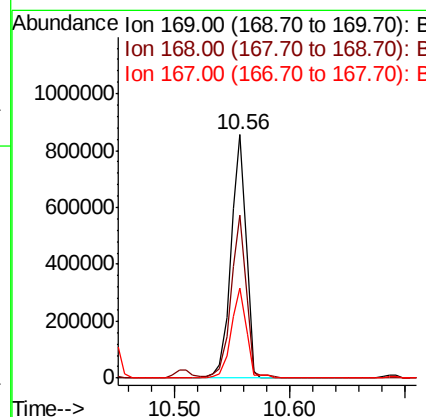
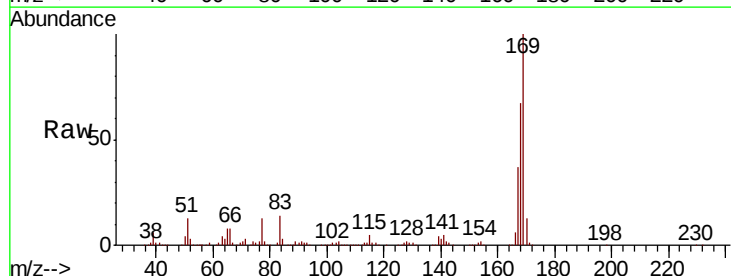
Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL01-RC

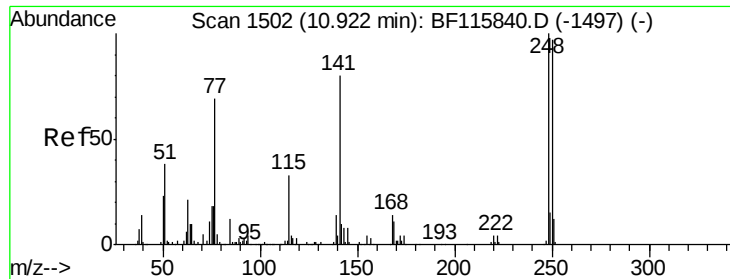
Tgt Ion	Ratio	Lower	Upper
198	100		
51	35.5	21.1	61.1
105	40.9	24.5	64.5



#66
 n-Nitrosodiphenylamine
 Concen: 45.572 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.01 min
 Lab File: BF115975.D
 Acq: 3 Aug 2019 12:23

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.9	53.0	79.6
167	37.1	29.9	44.9

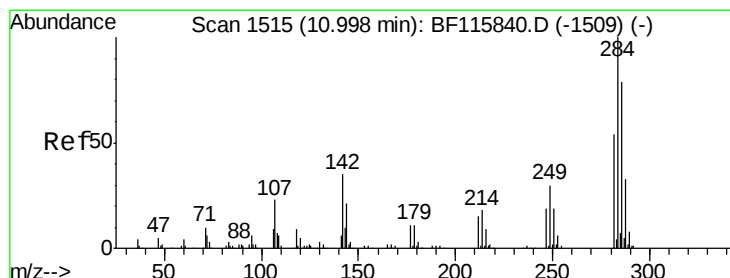
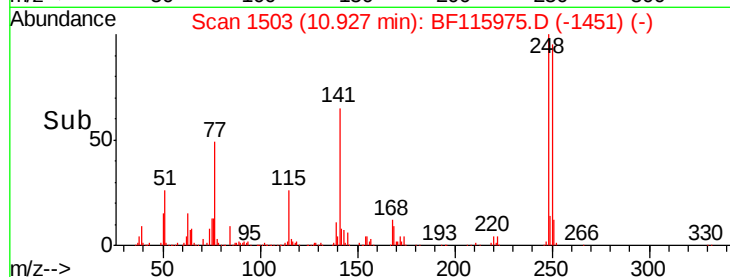
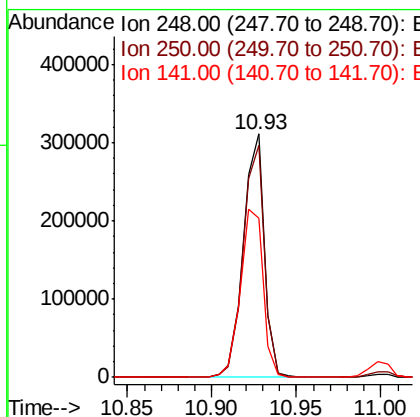
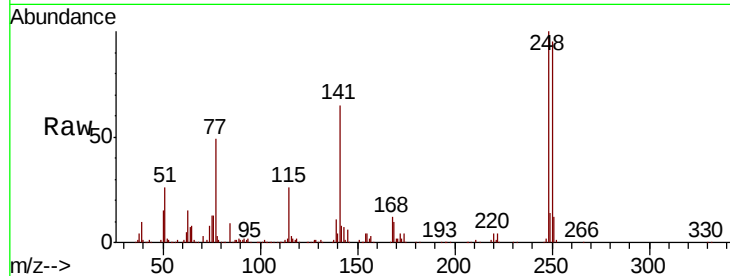




#67
 4-Bromophenyl-phenylether
 Concen: 44.985 ng
 RT: 10.93 min Scan# 1503
 Delta R.T. 0.01 min
 Lab File: BF115975.D
 Acq: 3 Aug 2019 12:23

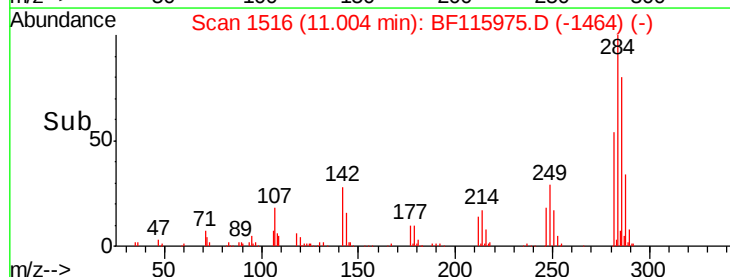
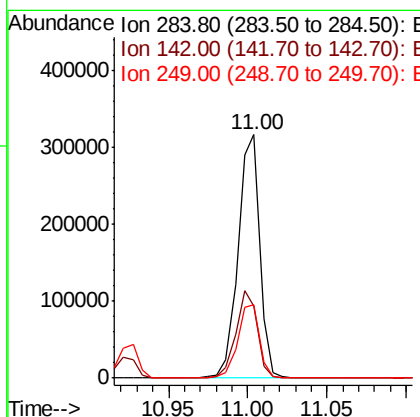
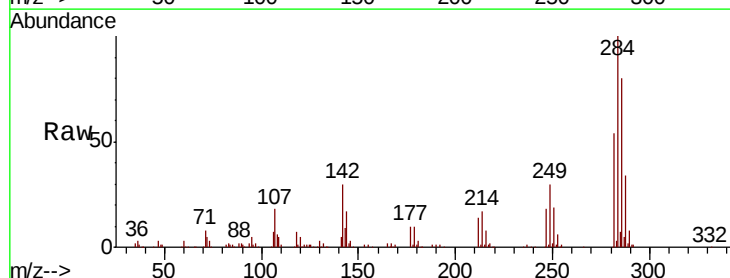
Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL01-RC

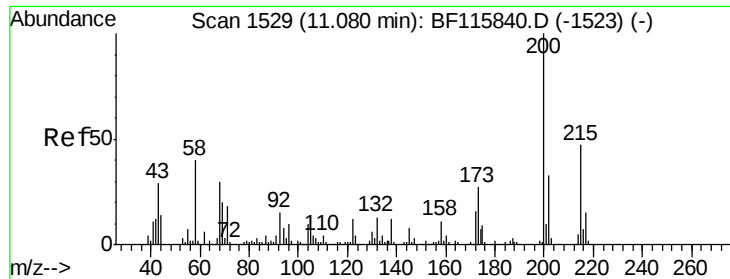
Tgt Ion	Ratio	Lower	Upper
248	100		
250	95.1	77.8	116.6
141	65.3	64.3	96.5



#68
 Hexachlorobenzene
 Concen: 42.922 ng
 RT: 11.00 min Scan# 1516
 Delta R.T. 0.01 min
 Lab File: BF115975.D
 Acq: 3 Aug 2019 12:23

Tgt Ion	Ratio	Lower	Upper
284	100		
142	29.6	28.2	42.2
249	30.0	24.0	36.0





#69

Atrazine

Concen: 45.263 ng

RT: 11.09 min Scan# 1530

Delta R.T. 0.01 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL01-RC

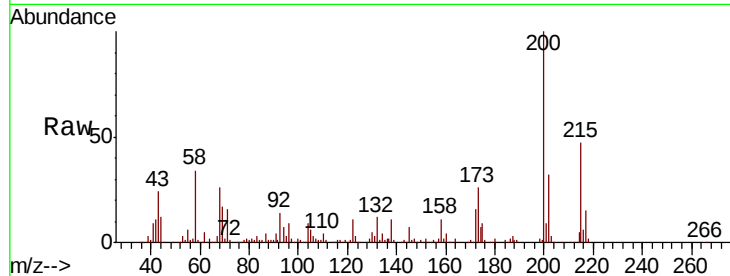
Tgt Ion:200 Resp: 251969

Ion Ratio Lower Upper

200 100

173 26.1 7.3 47.3

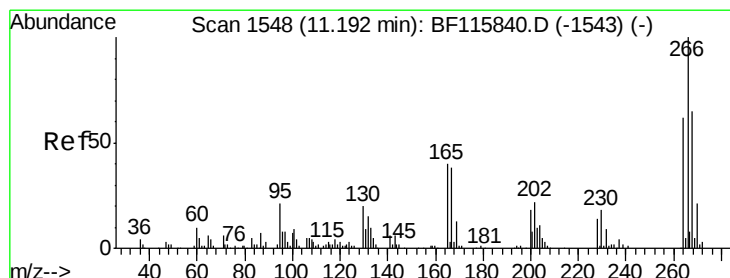
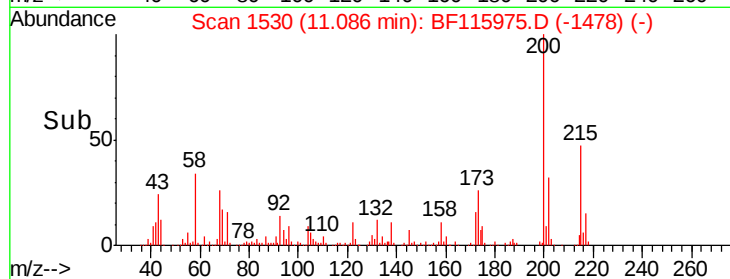
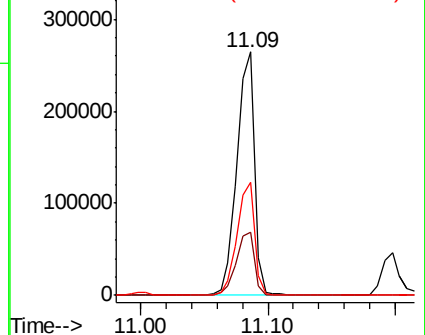
215 46.7 26.9 66.9



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 85.843 ng

RT: 11.20 min Scan# 1549

Delta R.T. 0.01 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

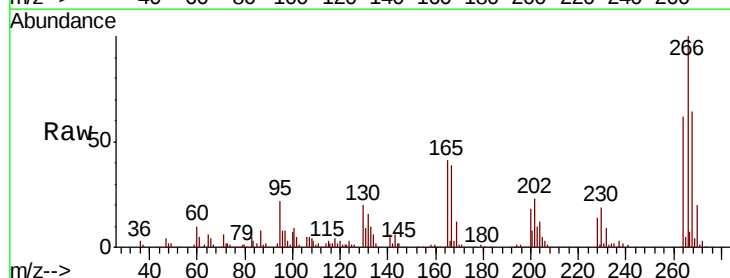
Tgt Ion:266 Resp: 290031

Ion Ratio Lower Upper

266 100

268 63.7 51.6 77.4

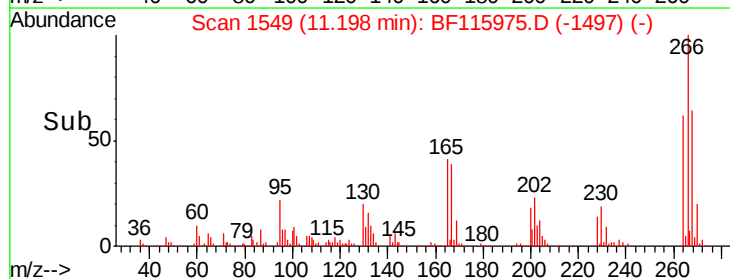
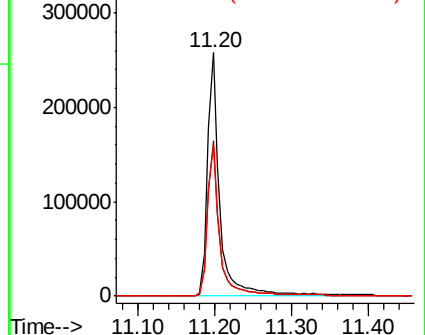
264 61.8 49.4 74.0

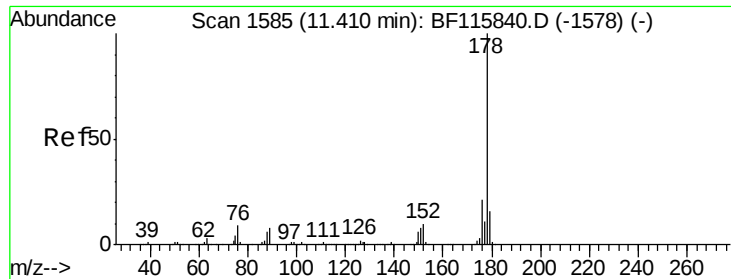


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

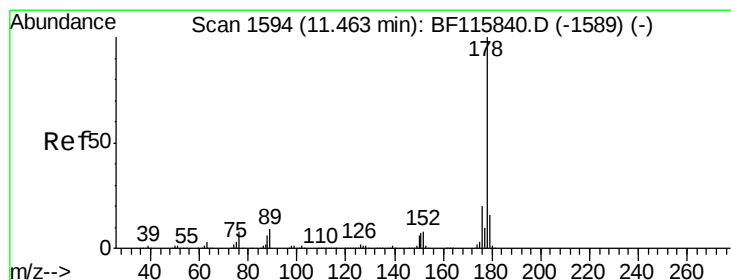
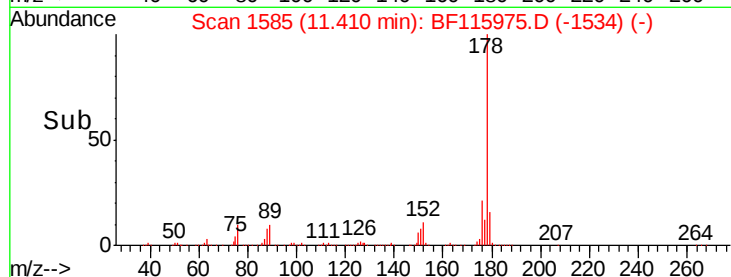
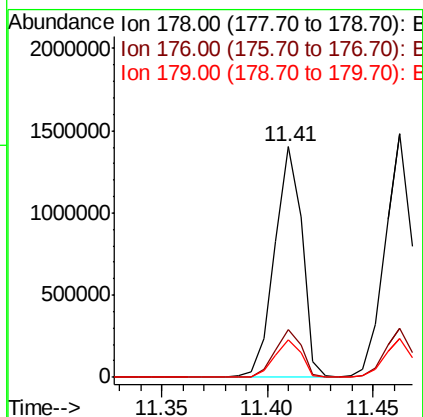
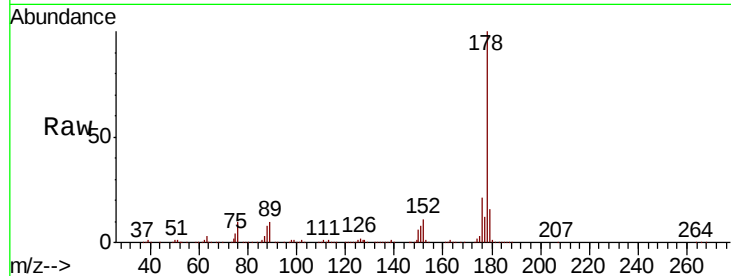




#71
Phenanthrene
Concen: 44.204 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

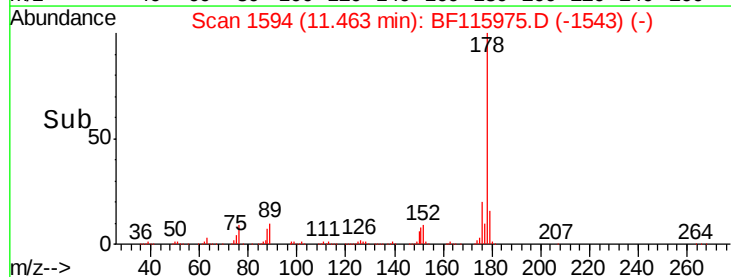
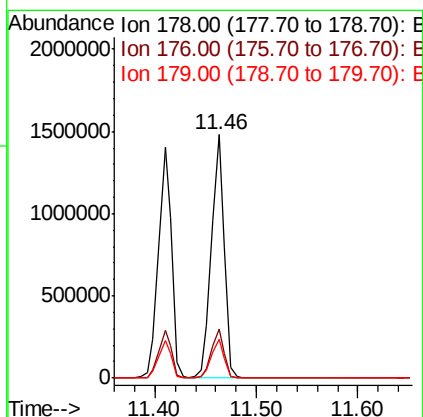
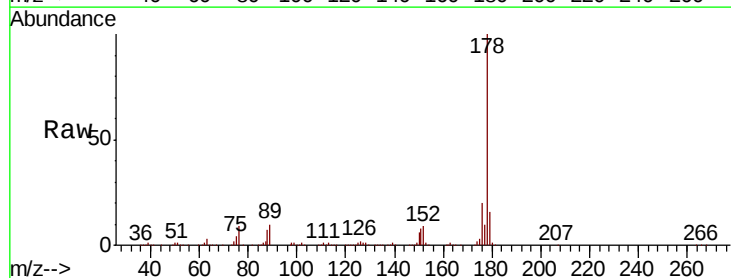
Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL01-RC

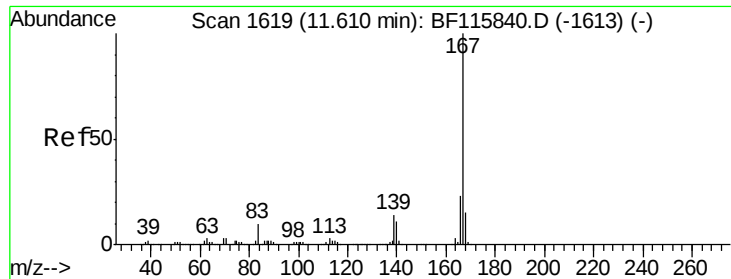
Tgt Ion:178 Resp: 1270437
Ion Ratio Lower Upper
178 100
176 20.8 16.5 24.7
179 16.2 12.6 18.8



#72
Anthracene
Concen: 45.229 ng
RT: 11.46 min Scan# 1594
Delta R.T. 0.00 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Tgt Ion:178 Resp: 1315553
Ion Ratio Lower Upper
178 100
176 20.3 15.7 23.5
179 16.2 12.4 18.6

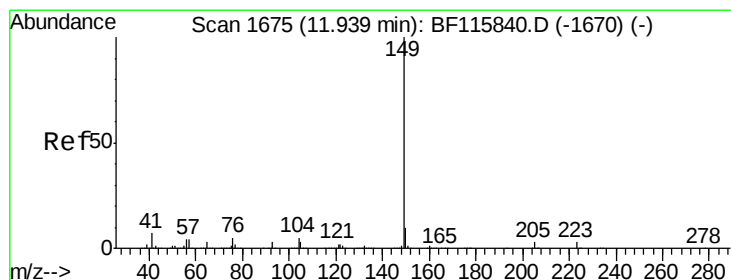
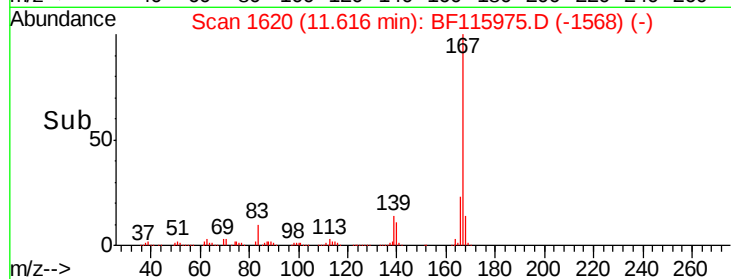
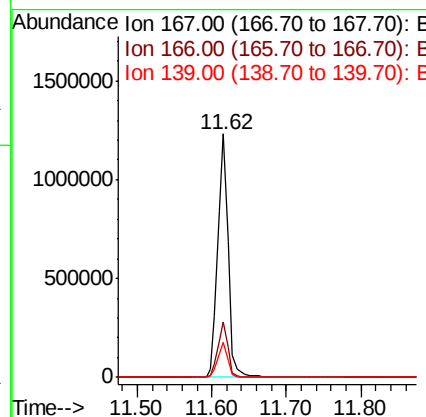
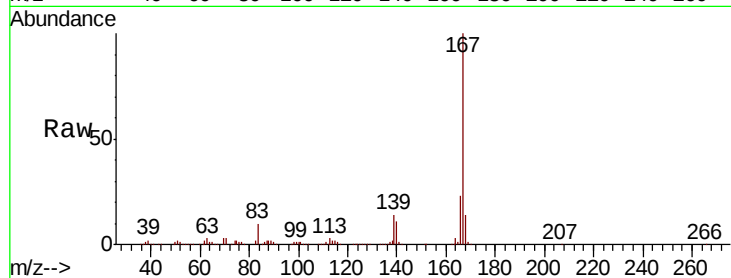




#73
 Carbazole
 Concen: 44.984 ng
 RT: 11.62 min Scan# 1620
 Delta R.T. 0.01 min
 Lab File: BF115975.D
 Acq: 3 Aug 2019 12:23

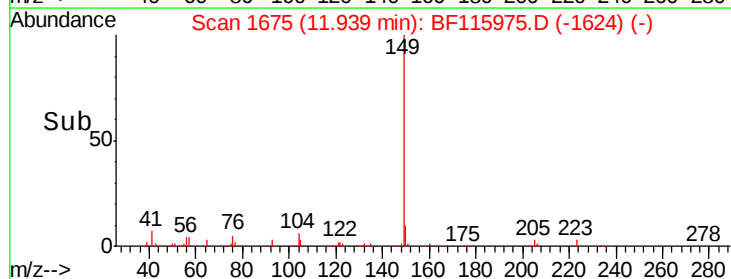
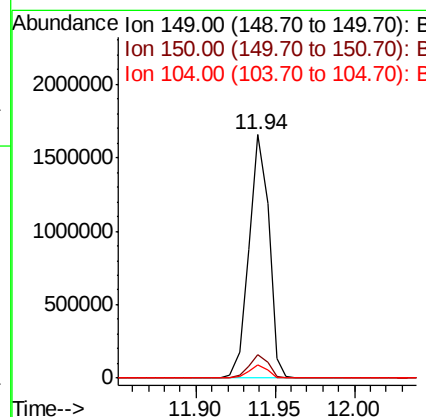
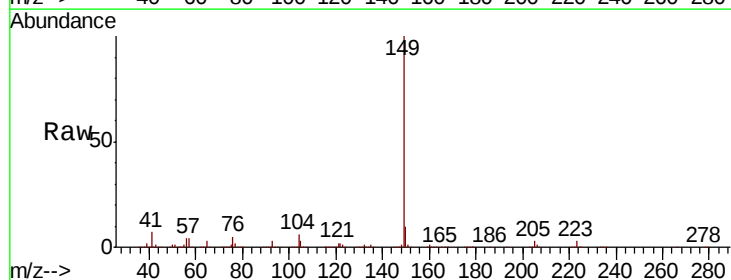
Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL01-RC

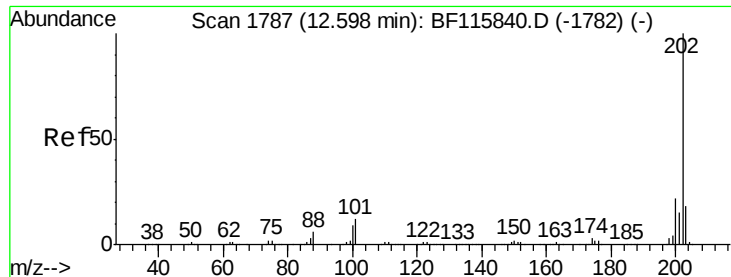
Tgt Ion:167 Resp: 1187049
 Ion Ratio Lower Upper
 167 100
 166 22.6 18.0 27.0
 139 14.1 11.4 17.2



#74
 Di-n-butylphthalate
 Concen: 46.760 ng
 RT: 11.94 min Scan# 1675
 Delta R.T. 0.00 min
 Lab File: BF115975.D
 Acq: 3 Aug 2019 12:23

Tgt Ion:149 Resp: 1439442
 Ion Ratio Lower Upper
 149 100
 150 9.8 7.7 11.5
 104 5.6 4.3 6.5





#75

Fluoranthene

Concen: 44.780 ng

RT: 12.60 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL01-RC

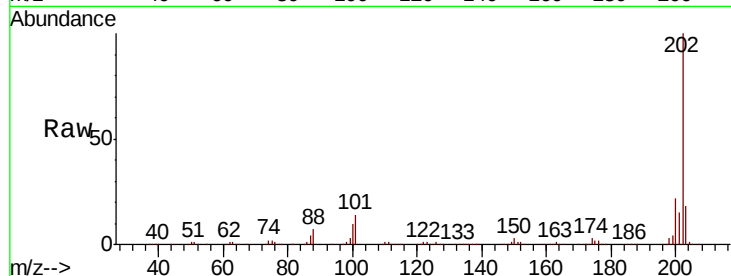
Tgt Ion:202 Resp: 1347345

Ion Ratio Lower Upper

202 100

101 13.6 0.0 31.5

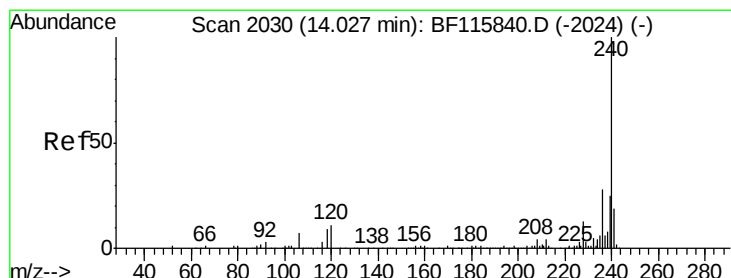
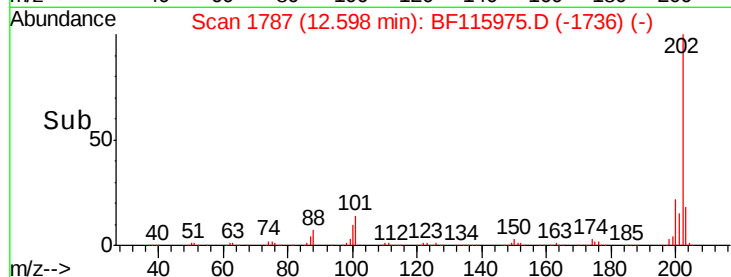
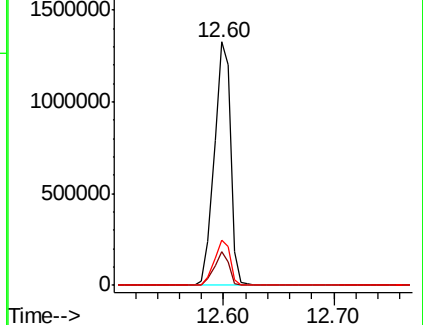
203 18.4 0.0 37.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.00 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

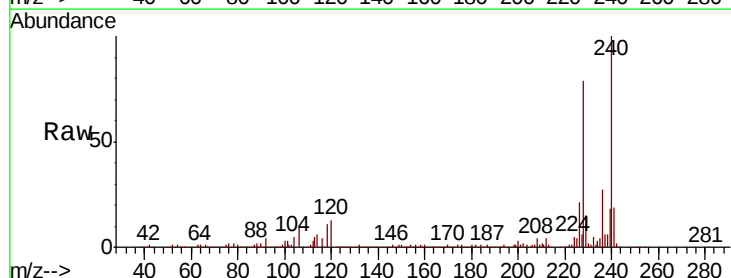
Tgt Ion:240 Resp: 408330

Ion Ratio Lower Upper

240 100

120 13.0 8.5 12.7#

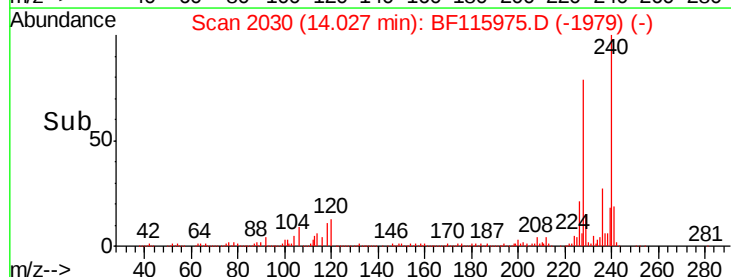
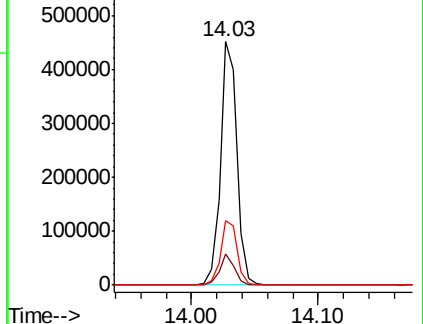
236 26.6 22.2 33.2

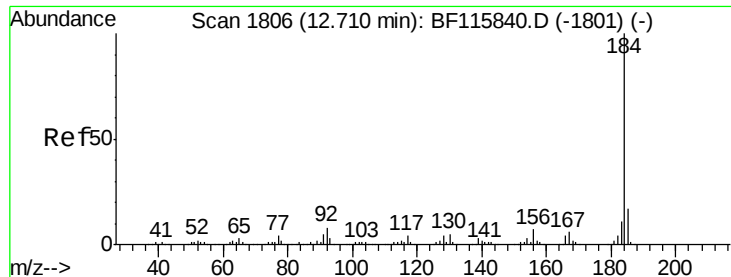


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 45.971 ng

RT: 12.72 min Scan# 1807

Delta R.T. 0.01 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL01-RC

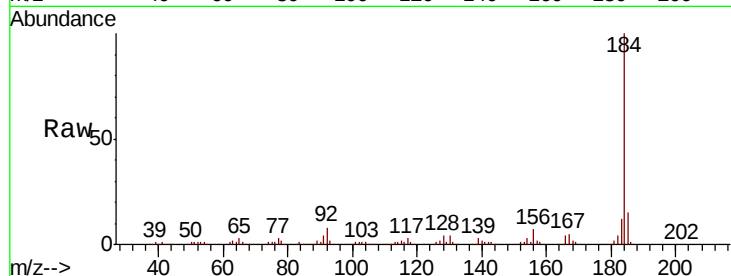
Tgt Ion:184 Resp: 634181

Ion Ratio Lower Upper

184 100

185 14.8 13.4 20.2

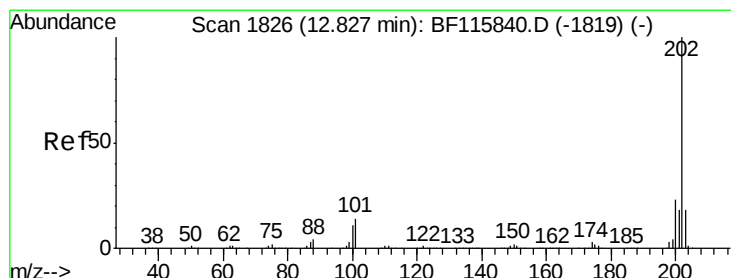
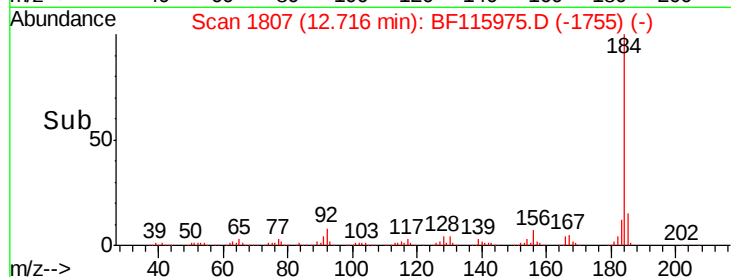
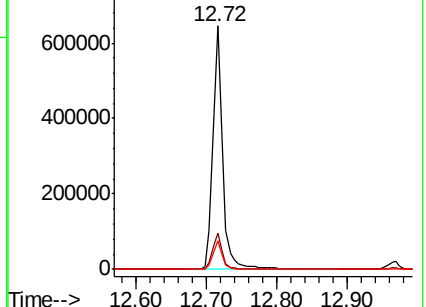
183 11.7 9.1 13.7



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 44.066 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

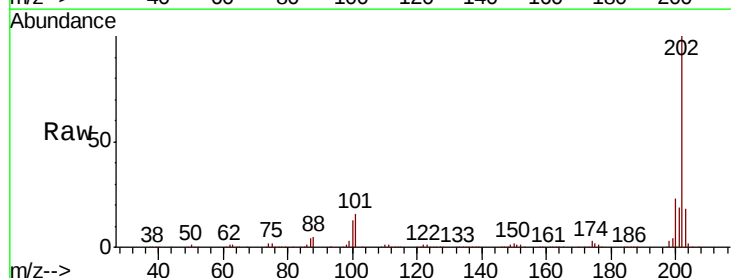
Tgt Ion:202 Resp: 1356374

Ion Ratio Lower Upper

202 100

200 22.9 18.2 27.2

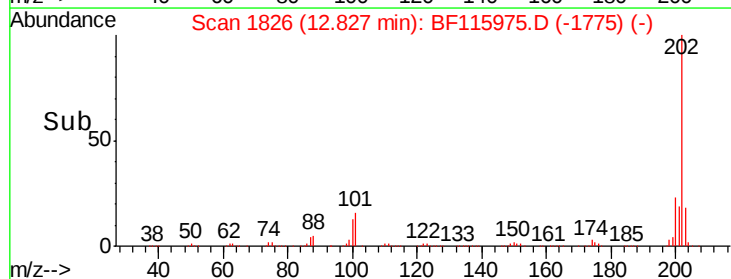
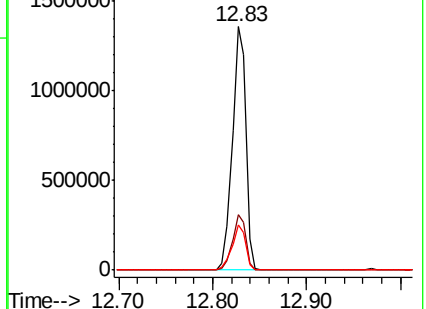
203 18.4 14.3 21.5

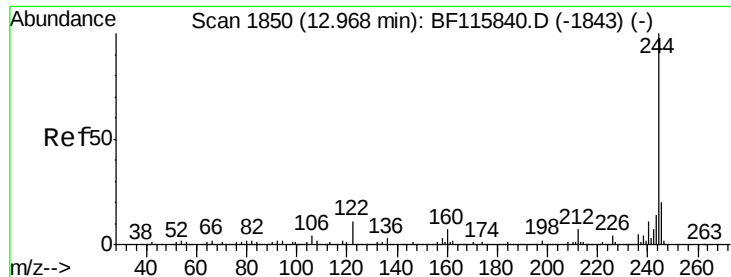


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 85.229 ng

RT: 12.97 min Scan# 1850

Delta R.T. 0.00 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL01-RC

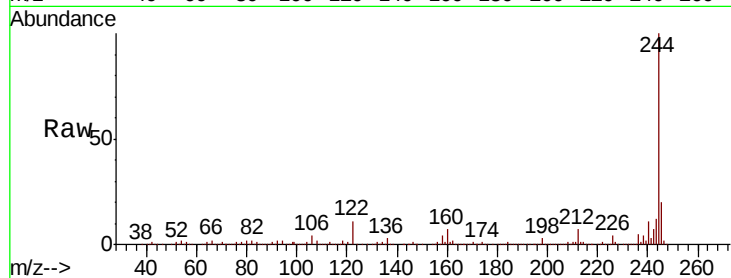
Tgt Ion:244 Resp: 1651582

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

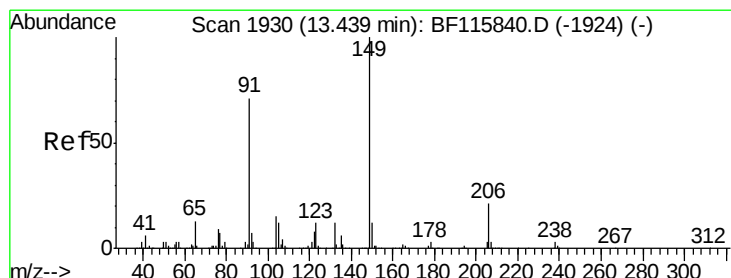
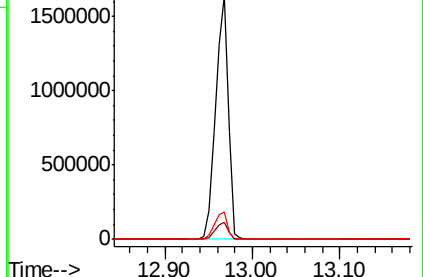
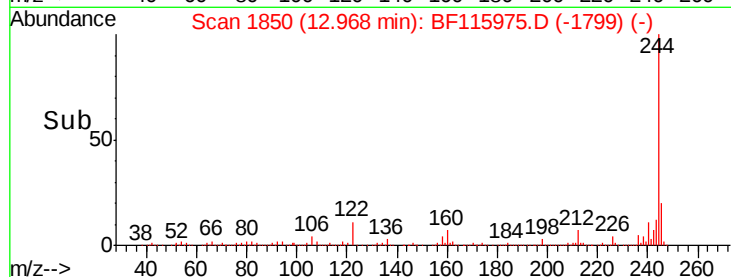
122 11.2 8.6 13.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 47.347 ng

RT: 13.44 min Scan# 1930

Delta R.T. 0.00 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

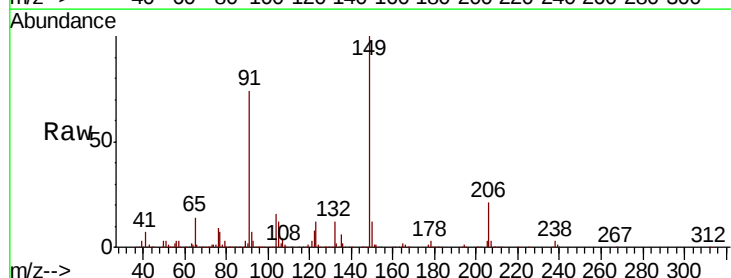
Tgt Ion:149 Resp: 616470

Ion Ratio Lower Upper

149 100

91 73.7 57.0 85.6

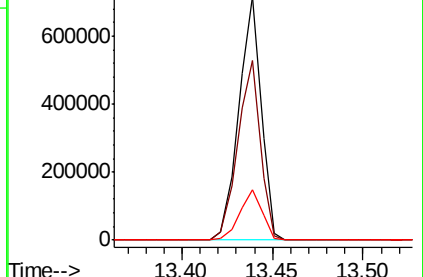
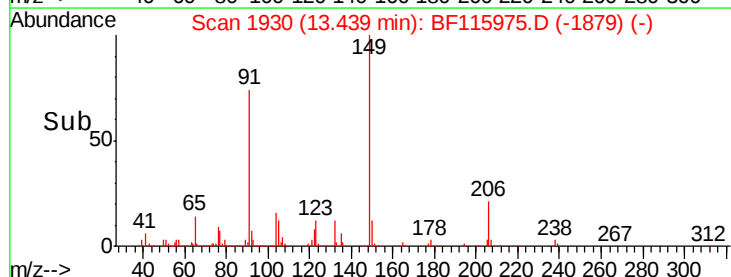
206 20.8 16.9 25.3

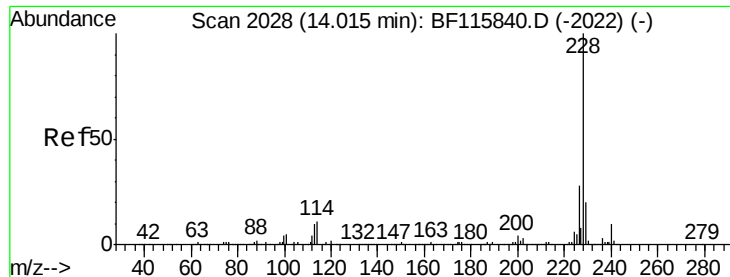


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 44.427 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL01-RC

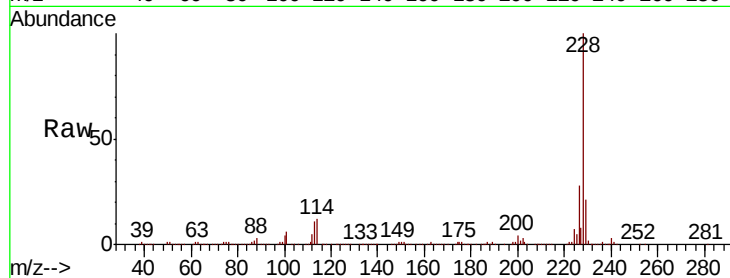
Tgt Ion:228 Resp: 1159488

Ion Ratio Lower Upper

228 100

226 28.4 22.5 33.7

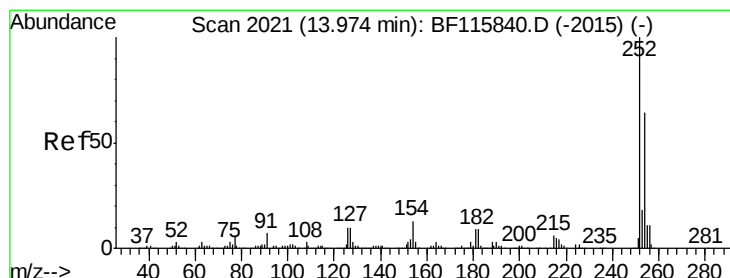
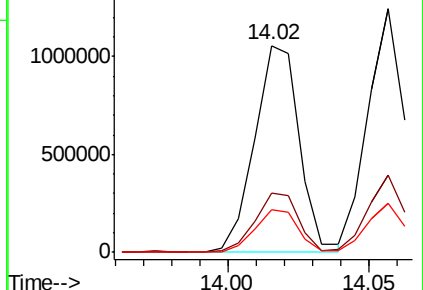
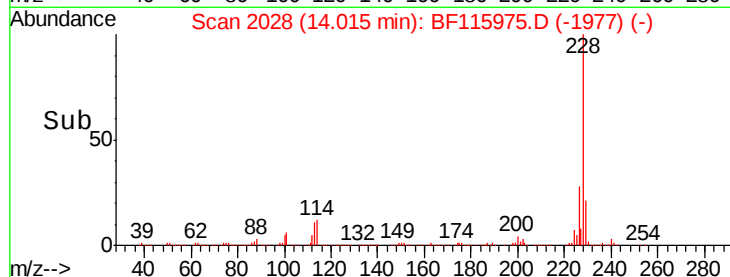
229 20.8 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 37.029 ng

RT: 13.97 min Scan# 2021

Delta R.T. 0.00 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

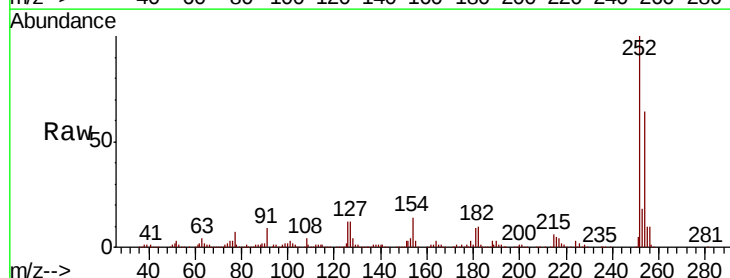
Tgt Ion:252 Resp: 335752

Ion Ratio Lower Upper

252 100

254 63.9 51.2 76.8

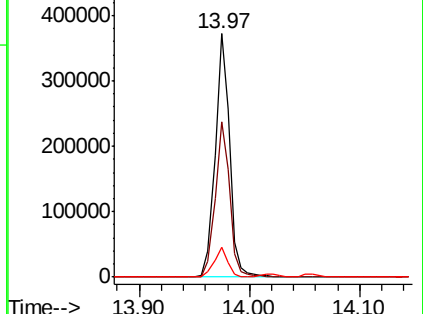
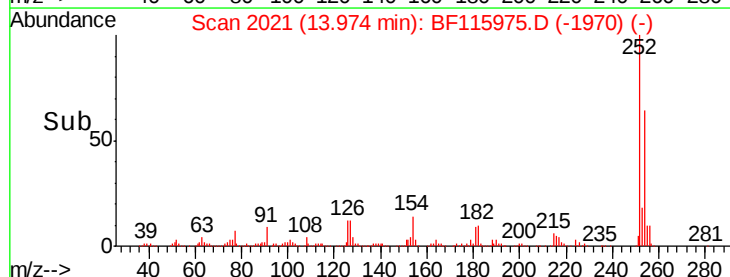
126 12.1 8.1 12.1

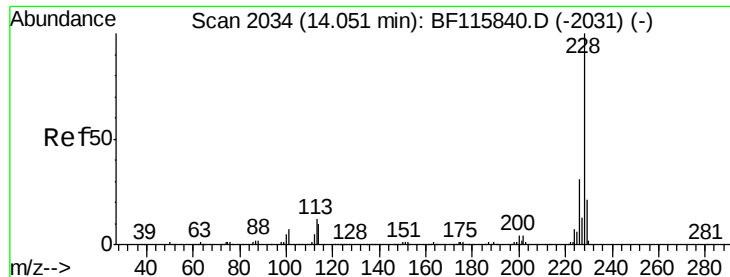


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 43.689 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL01-RC

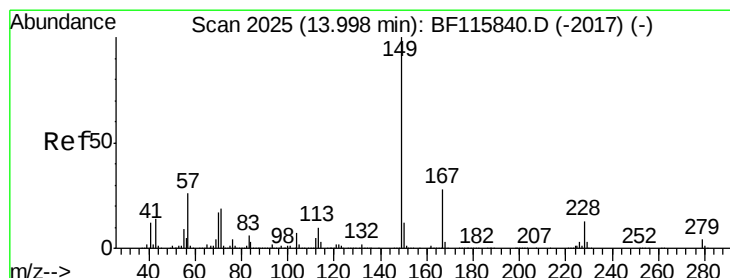
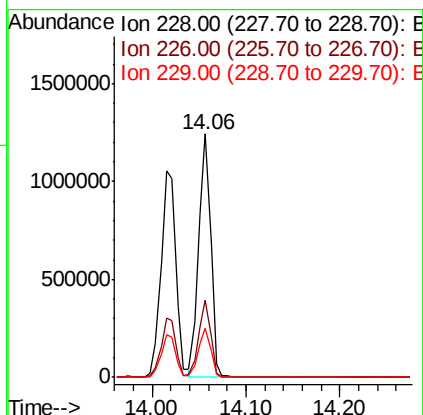
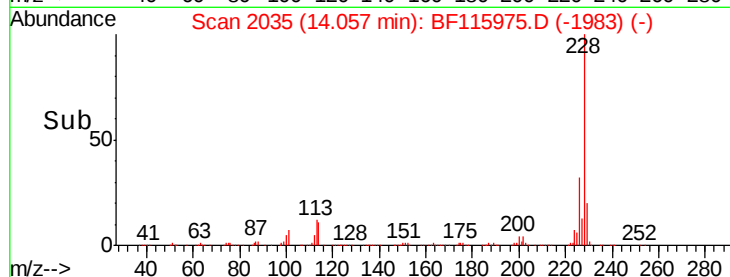
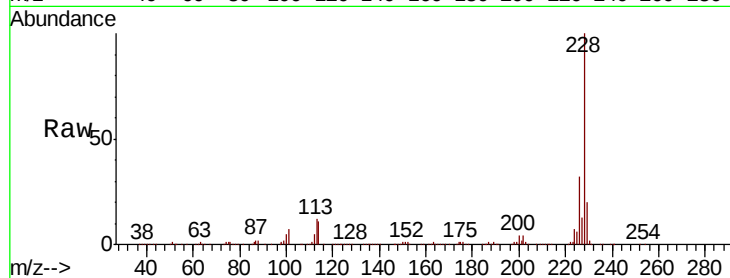
Tgt Ion:228 Resp: 1107003

Ion Ratio Lower Upper

228 100

226 31.8 24.8 37.2

229 20.4 16.4 24.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 50.197 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

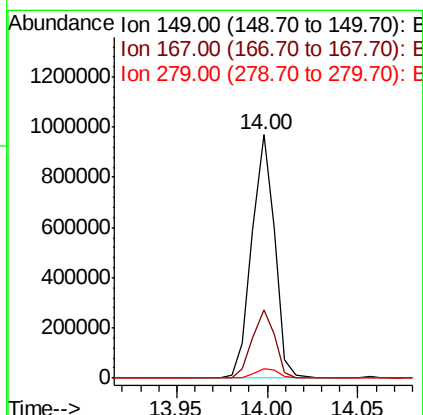
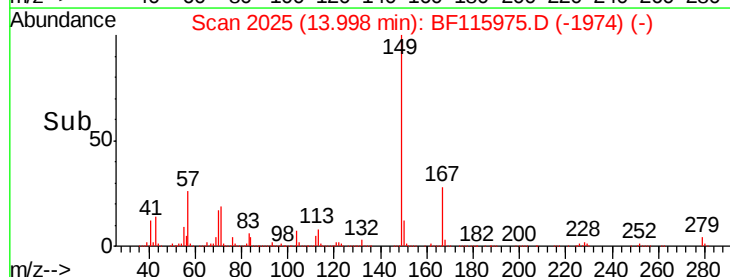
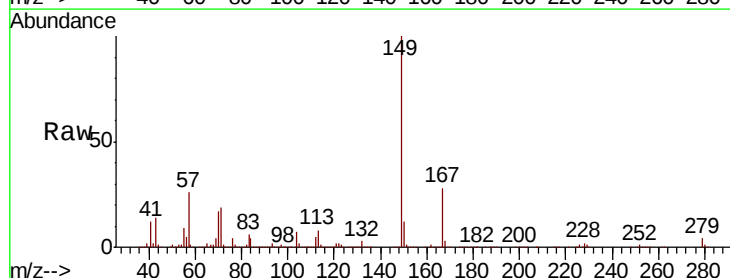
Tgt Ion:149 Resp: 849329

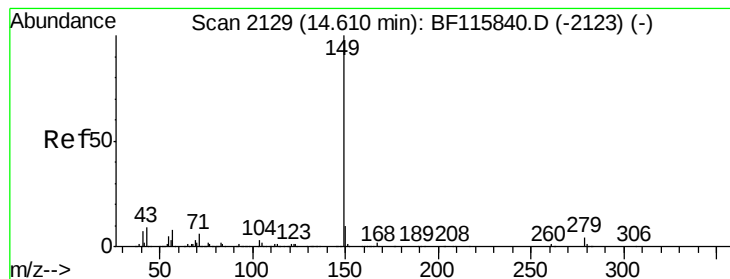
Ion Ratio Lower Upper

149 100

167 27.9 22.4 33.6

279 4.1 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 50.899 ng

RT: 14.61 min Scan# 2129

Delta R.T. 0.00 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL01-RC

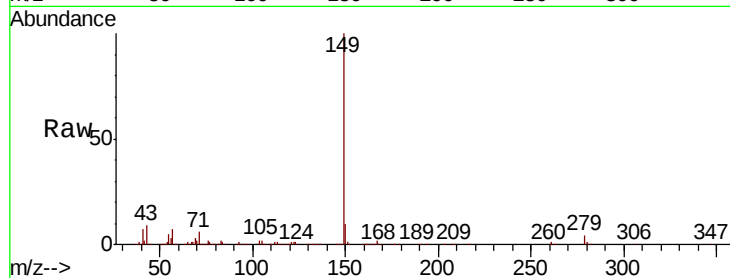
Tgt Ion:149 Resp: 1367896

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

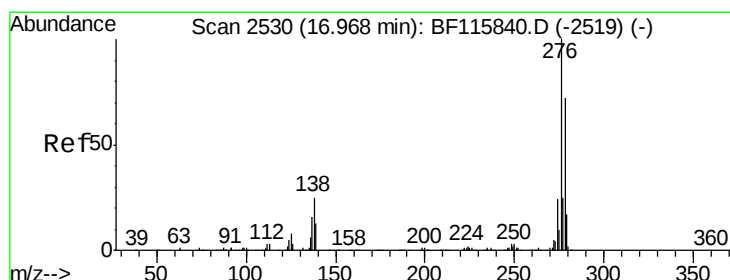
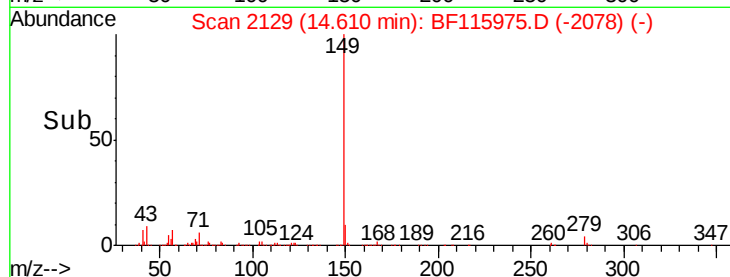
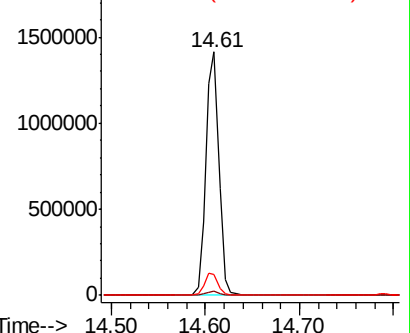
43 9.2 7.4 11.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 44.290 ng

RT: 16.99 min Scan# 2533

Delta R.T. 0.02 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

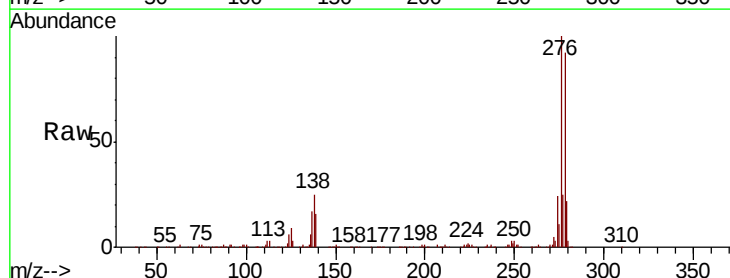
Tgt Ion:276 Resp: 942546

Ion Ratio Lower Upper

276 100

138 25.0 19.6 29.4

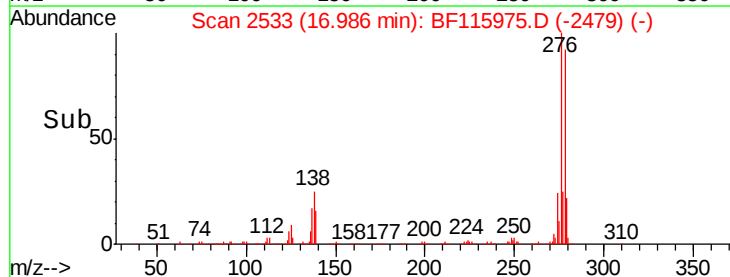
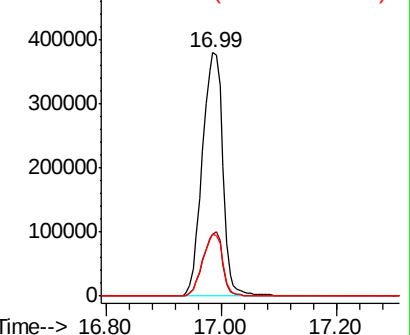
277 25.0 20.1 30.1

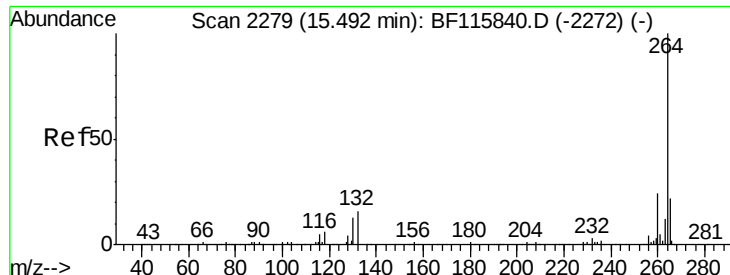


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



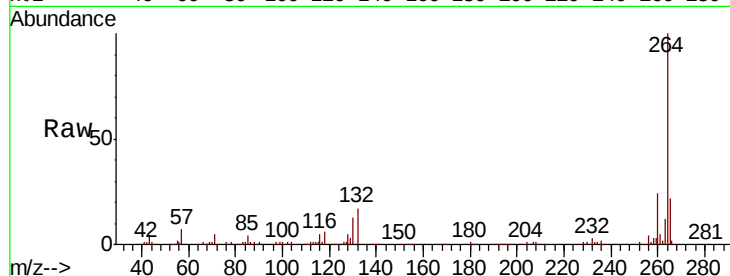


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

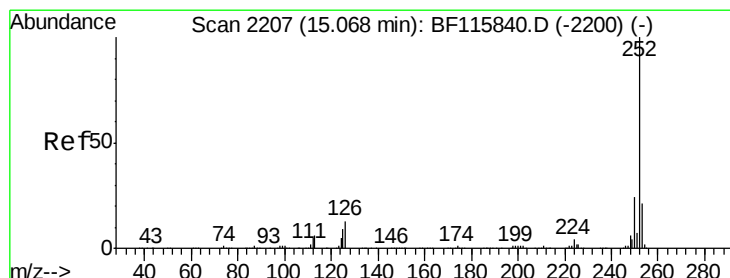
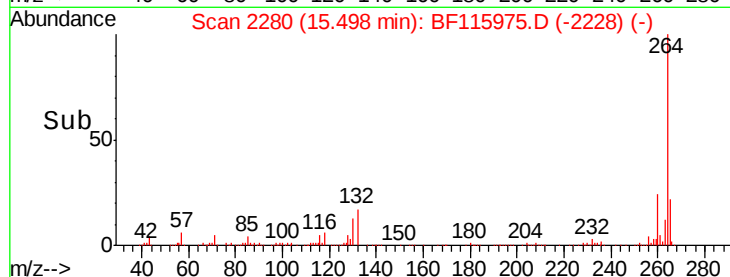
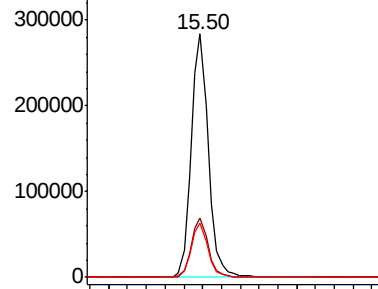
Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL01-RC

Tgt Ion: 264 Resp: 363215

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.2
265	22.0	17.5	26.3



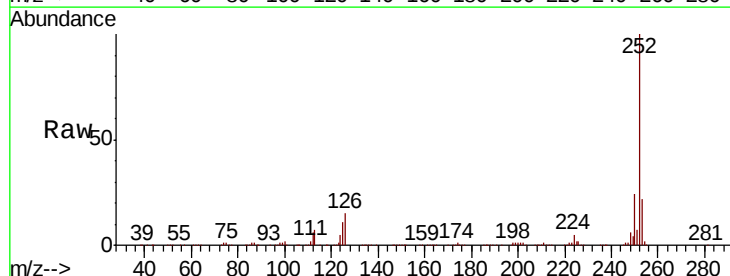
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



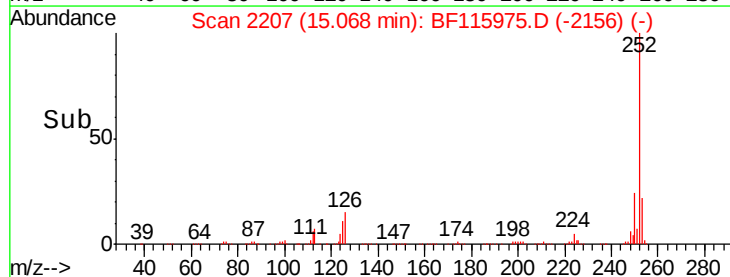
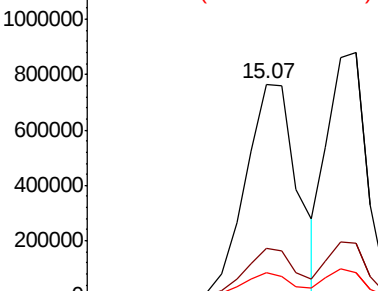
#88
Benzo(b)fluoranthene
Concen: 51.737 ng
RT: 15.07 min Scan# 2207
Delta R.T. 0.00 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

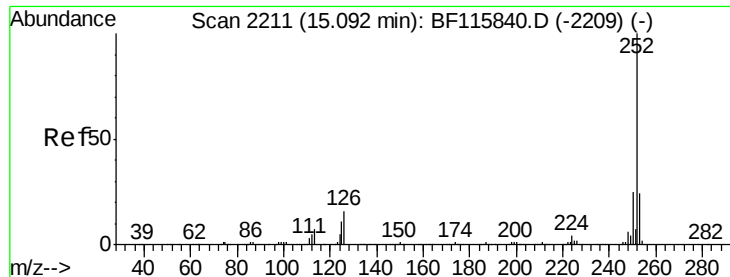
Tgt Ion: 252 Resp: 1086567

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	10.9	7.4	11.0



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

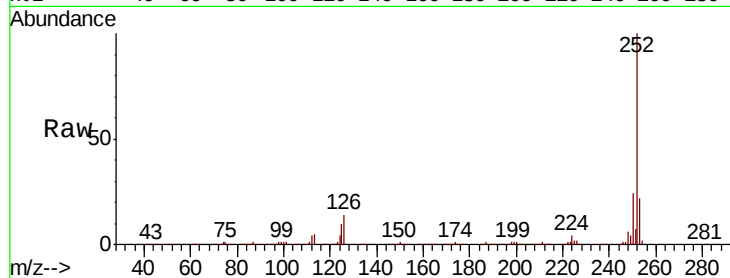




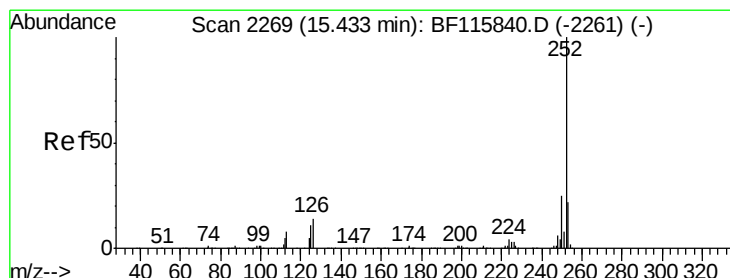
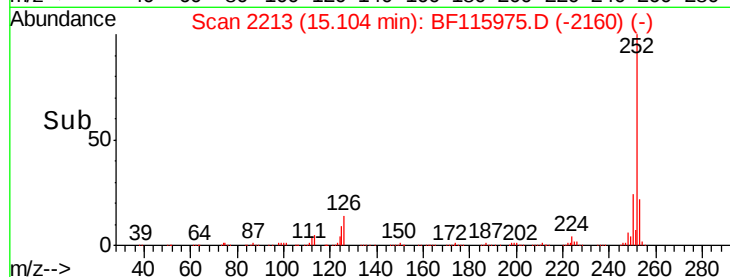
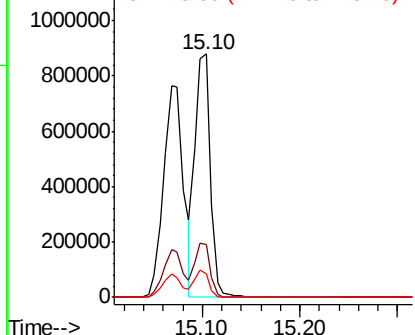
#89
Benzo(k)fluoranthene
Concen: 46.905 ng
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL01-RC

Tgt Ion:252 Resp: 959470
Ion Ratio Lower Upper
252 100
253 21.9 18.2 27.4
125 9.5 8.9 13.3

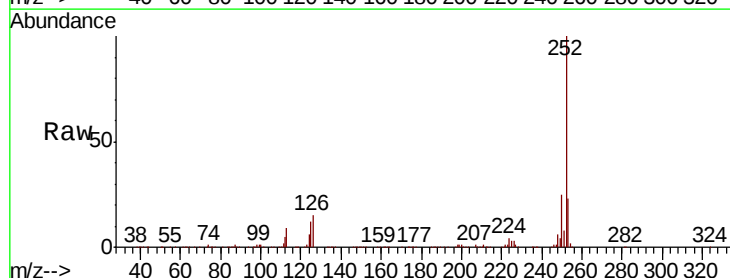


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

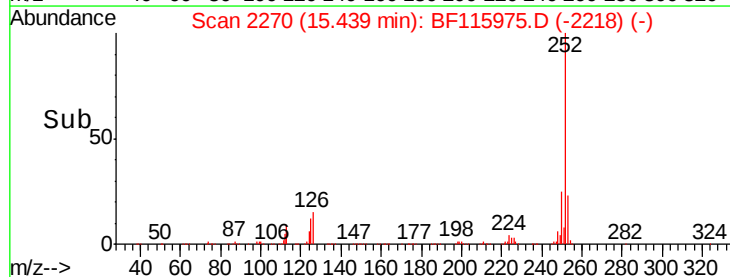
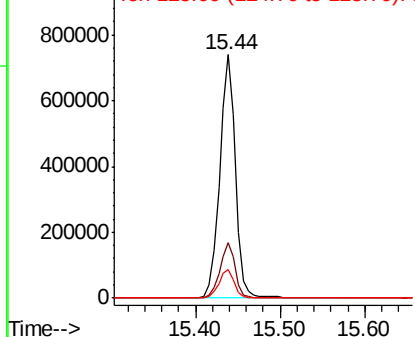


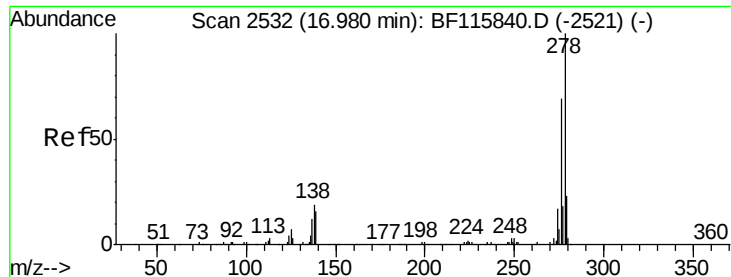
#90
Benzo(a)pyrene
Concen: 51.083 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF115975.D
Acq: 3 Aug 2019 12:23

Tgt Ion:252 Resp: 959022
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.6
125 11.7 8.8 13.2



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 48.580 ng

RT: 16.99 min Scan# 2534

Delta R.T. 0.01 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL01-RC

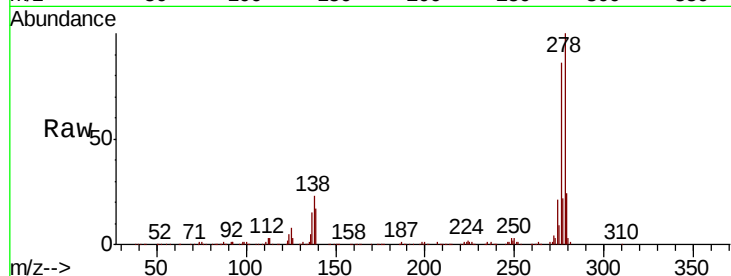
Tgt Ion:278 Resp: 789454

Ion Ratio Lower Upper

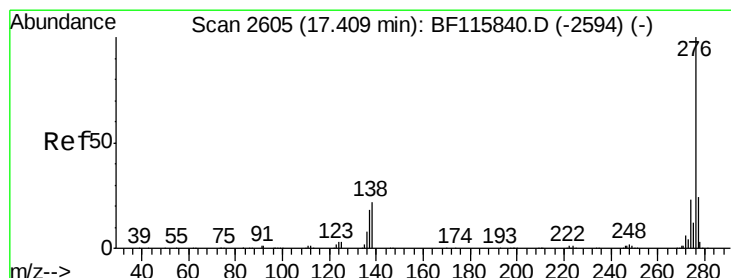
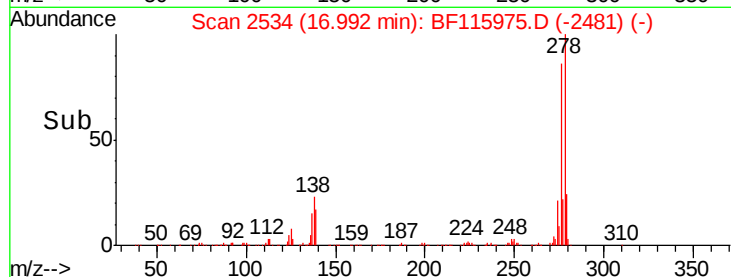
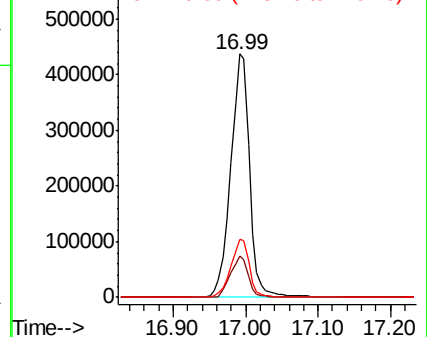
278 100

139 16.9 12.6 19.0

279 24.1 18.8 28.2



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 47.962 ng

RT: 17.43 min Scan# 2609

Delta R.T. 0.02 min

Lab File: BF115975.D

Acq: 3 Aug 2019 12:23

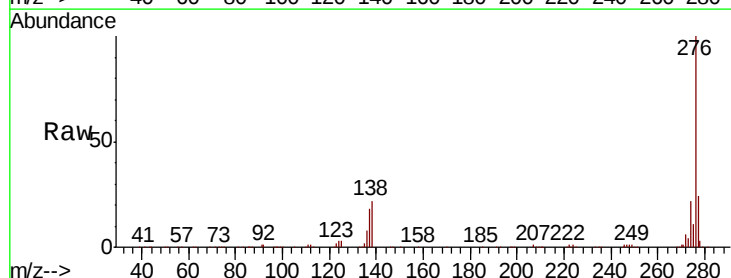
Tgt Ion:276 Resp: 765461

Ion Ratio Lower Upper

276 100

277 23.7 19.5 29.3

138 22.0 17.8 26.8



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

