

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080319\
 Data File : BF115978.D
 Acq On : 3 Aug 2019 13:43
 Operator : HP/JU
 Sample : IDOC BS-SOIL04-RC
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL04-RC

Quant Time: Aug 05 01:19:16 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	146416	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	610600	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	342997	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	606741	20.00	ng	0.00
76) Chrysene-d12	14.03	240	421117	20.00	ng	0.00
87) Perylene-d12	15.50	264	385382	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	1025720	117.28	ng	0.02
7) Phenol-d6	6.49	99	1311352	118.84	ng	0.00
23) Nitrobenzene-d5	7.42	82	876993	82.91	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	391446	117.71	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1539817	84.09	ng	0.00
79) Terphenyl-d14	12.97	244	1741845	87.16	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.71	88	178201	40.331	ng	98
3) Pyridine	3.46	79	455099	36.872	ng	98
4) n-Nitrosodimethylamine	3.41	42	207118	42.522	ng	98
6) Aniline	6.52	93	541242	34.249	ng	96
8) 2-Chlorophenol	6.65	128	450402	46.570	ng	98
9) Benzaldehyde	6.40	77	250330	32.878	ng	99
10) Phenol	6.50	94	578952	44.553	ng	90
11) bis(2-Chloroethyl)ether	6.59	93	435536	45.588	ng	99
12) 1,3-Dichlorobenzene	6.79	146	485653	43.450	ng	97
13) 1,4-Dichlorobenzene	6.87	146	492901	44.043	ng	100
14) 1,2-Dichlorobenzene	7.02	146	454208	44.077	ng	98
15) Benzyl Alcohol	7.00	79	388016	46.334	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.13	45	580579	44.553	ng	95
17) 2-Methylphenol	7.11	107	386240	47.164	ng	99
18) Hexachloroethane	7.36	117	183178	44.456	ng	96
19) n-Nitroso-di-n-propylamine	7.27	70	315609	46.155	ng	100
20) 3+4-Methylphenols	7.26	107	454600	46.909	ng	# 88
22) Acetophenone	7.26	105	612427	45.733	ng	97
24) Nitrobenzene	7.43	77	515296	45.115	ng	100
25) Isophorone	7.67	82	948529	46.894	ng	100
26) 2-Nitrophenol	7.75	139	257144	47.760	ng	100
27) 2,4-Dimethylphenol	7.79	122	422296	52.134	ng	99
28) bis(2-Chloroethoxy)methane	7.88	93	576947	46.020	ng	99
29) 2,4-Dichlorophenol	8.00	162	408997	47.821	ng	97
30) 1,2,4-Trichlorobenzene	8.07	180	430450	44.152	ng	98
31) Naphthalene	8.16	128	1320949	45.972	ng	100
32) Benzoic acid	7.95	122	262719	46.003	ng	99
33) 4-Chloroaniline	8.20	127	372265	28.996	ng	100
34) Hexachlorobutadiene	8.27	225	241134	42.940	ng	100
35) Caprolactam	8.59	113	75621	27.338	ng	99
36) 4-Chloro-3-methylphenol	8.70	107	437671	49.190	ng	97
37) 2-Methylnaphthalene	8.85	142	898602	47.486	ng	99
38) 1-Methylnaphthalene	8.95	142	851319	47.553	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.02	216	404852	44.151	ng	98

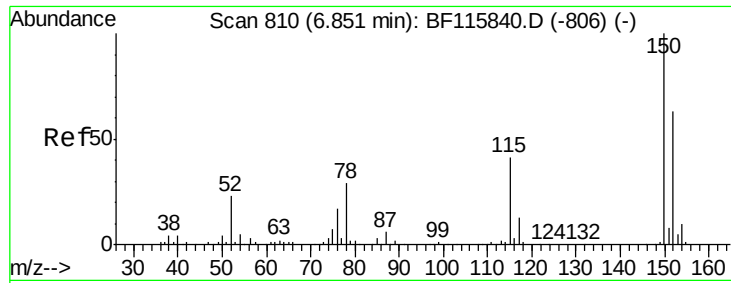
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080319\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.01	237	282619	69.494	ng	100
43) 2,4,6-Trichlorophenol	9.13	196	274406	43.476	ng	99
44) 2,4,5-Trichlorophenol	9.18	196	294318	45.111	ng	97
46) 1,1'-Biphenyl	9.32	154	1086345	44.862	ng	100
47) 2-Chloronaphthalene	9.35	162	862527	42.796	ng	99
48) 2-Nitroaniline	9.44	65	282155	42.354	ng	91
49) Acenaphthylene	9.76	152	1323425	45.009	ng	100
50) Dimethylphthalate	9.62	163	1065859	45.639	ng	99
51) 2,6-Dinitrotoluene	9.69	165	237939	46.882	ng	97
52) Acenaphthene	9.93	154	789522	43.768	ng	99
53) 3-Nitroaniline	9.85	138	191548	30.544	ng	90
54) 2,4-Dinitrophenol	9.97	184	206400	79.962	ng	98
55) Dibenzofuran	10.10	168	1168412	44.540	ng	97
56) 4-Nitrophenol	10.03	139	353832	88.077	ng	93
57) 2,4-Dinitrotoluene	10.09	165	305572	45.221	ng	90
58) Fluorene	10.45	166	903984	44.790	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.23	232	247878	45.159	ng	99
60) Diethylphthalate	10.32	149	1014815	46.542	ng	100
61) 4-Chlorophenyl-phenylether	10.43	204	464534	45.446	ng	98
62) 4-Nitroaniline	10.47	138	266993	41.197	ng	99
63) Azobenzene	10.60	77	1036399	46.212	ng	97
65) 4,6-Dinitro-2-methylphenol	10.51	198	154770	48.135	ng	97
66) n-Nitrosodiphenylamine	10.56	169	841082	46.056	ng	100
67) 4-Bromophenyl-phenylether	10.93	248	291168	44.829	ng	94
68) Hexachlorobenzene	11.00	284	325774	43.375	ng	96
69) Atrazine	11.09	200	274739	45.729	ng	99
70) Pentachlorophenol	11.20	266	317721	87.133	ng	98
71) Phenanthrene	11.41	178	1357749	43.773	ng	99
72) Anthracene	11.46	178	1417601	45.159	ng	99
73) Carbazole	11.62	167	1268024	44.524	ng	100
74) Di-n-butylphthalate	11.94	149	1554524	46.791	ng	99
75) Fluoranthene	12.60	202	1439569	44.332	ng	98
77) Benzidine	12.72	184	699965	49.199	ng	98
78) Pyrene	12.83	202	1463296	46.096	ng	100
80) Butylbenzylphthalate	13.44	149	654967	48.776	ng	98
81) Benzo(a)anthracene	14.02	228	1209278	44.927	ng	99
82) 3,3'-Dichlorobenzidine	13.97	252	340940	36.459	ng	# 99
83) Chrysene	14.06	228	1174435	44.943	ng	99
84) Bis(2-ethylhexyl)phthalate	14.00	149	902992	51.748	ng	99
85) Di-n-octyl phthalate	14.61	149	1451708	52.377	ng	100
86) Indeno(1,2,3-cd)pyrene	16.99	276	962070	43.835	ng	99
88) Benzo(b)fluoranthene	15.10	252	1011621	45.398	ng	99
89) Benzo(k)fluoranthene	15.10	252	1011621	46.610	ng	98
90) Benzo(a)pyrene	15.44	252	997910	50.097	ng	100
91) Dibenzo(a,h)anthracene	17.00	278	807917	46.856	ng	99
92) Benzo(g,h,i)perylene	17.43	276	780528	46.093	ng	99

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

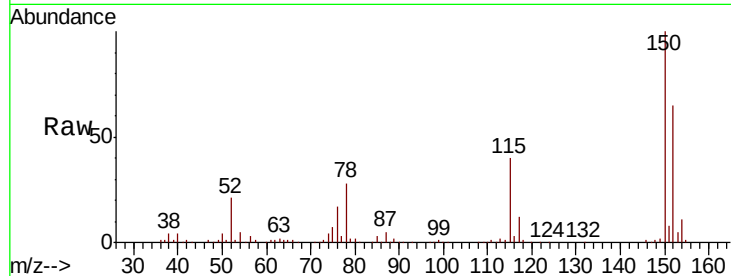


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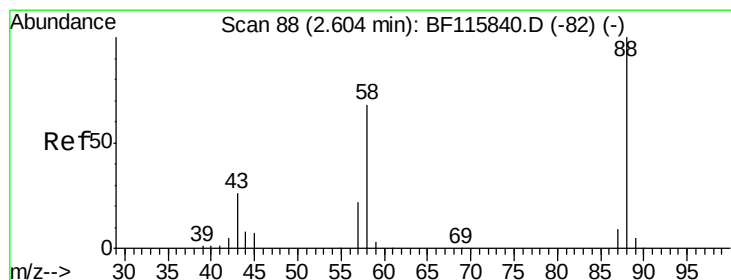
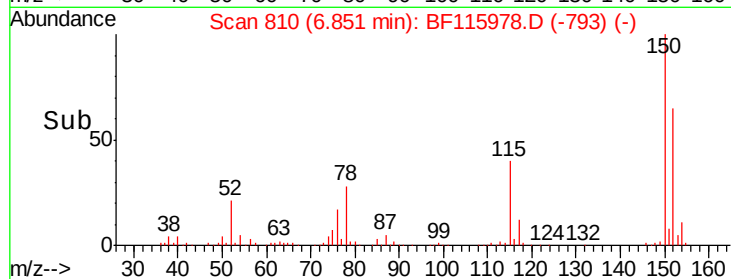
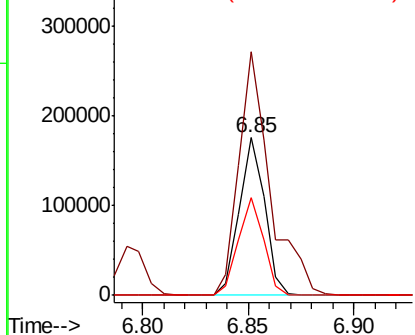
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL04-RC

Tgt Ion:152 Resp: 146416
Ion Ratio Lower Upper
152 100
150 154.3 127.4 191.0
115 61.6 51.8 77.8



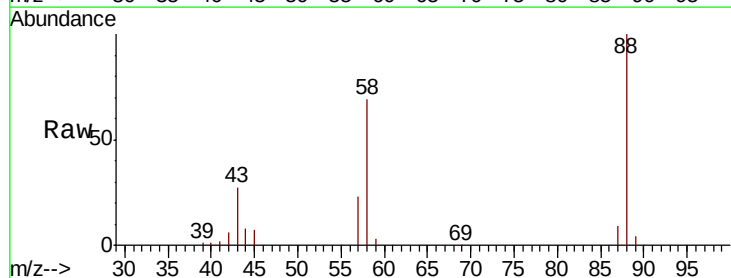
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



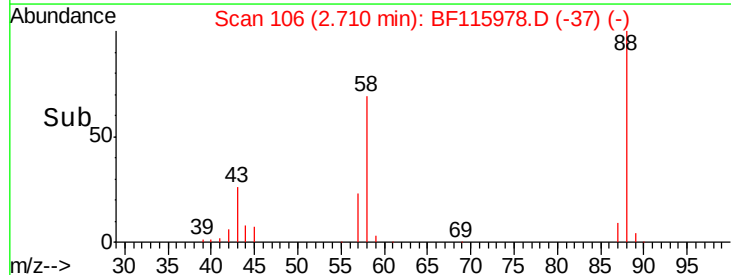
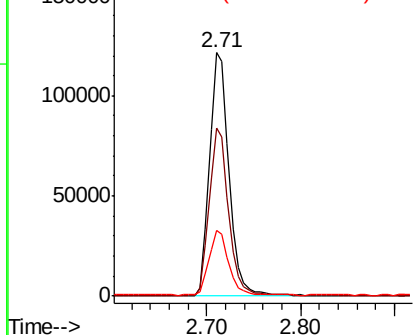
#2

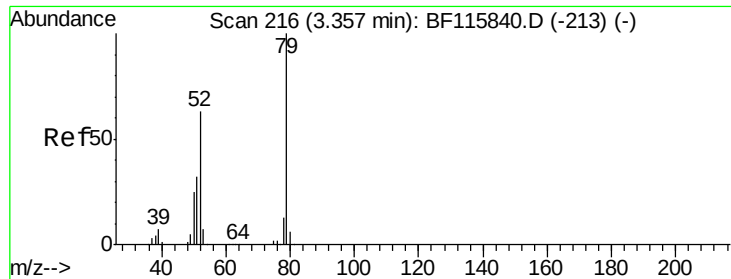
1,4-Dioxane
Concen: 40.331 ng
RT: 2.71 min Scan# 106
Delta R.T. 0.11 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Tgt Ion: 88 Resp: 178201
Ion Ratio Lower Upper
88 100
58 68.9 54.1 81.1
43 26.9 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: 36.872 ng

RT: 3.46 min Scan# 233

Delta R.T. 0.10 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL04-RC

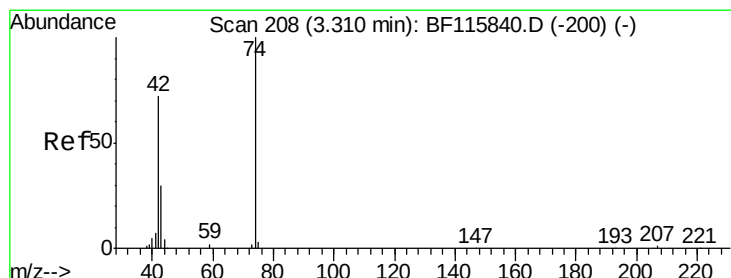
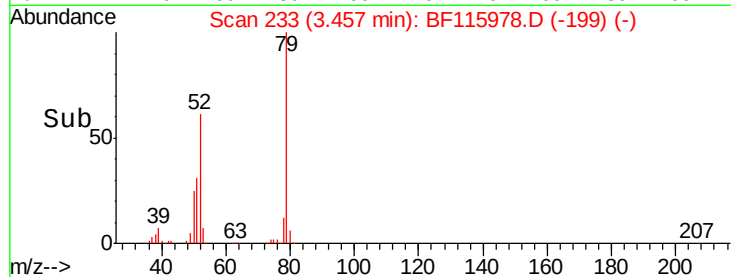
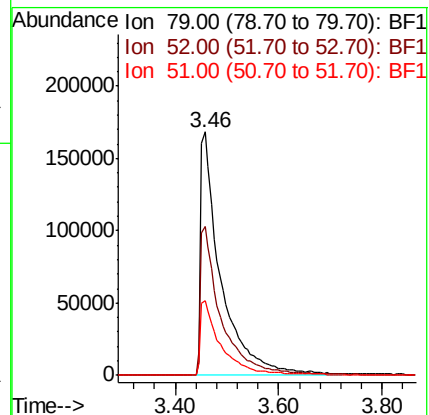
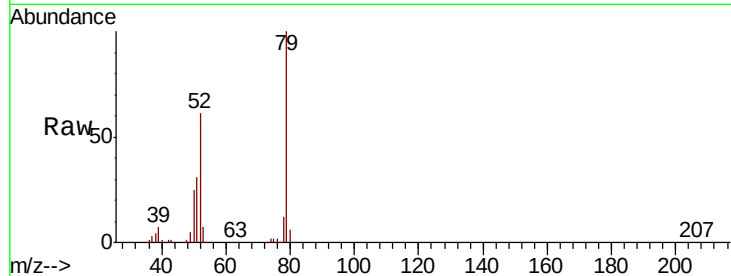
Tgt Ion: 79 Resp: 455099

Ion Ratio Lower Upper

79 100

52 61.4 50.2 75.4

51 30.6 25.8 38.6



#4

n-Nitrosodimethylamine

Concen: 42.522 ng

RT: 3.41 min Scan# 225

Delta R.T. 0.10 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

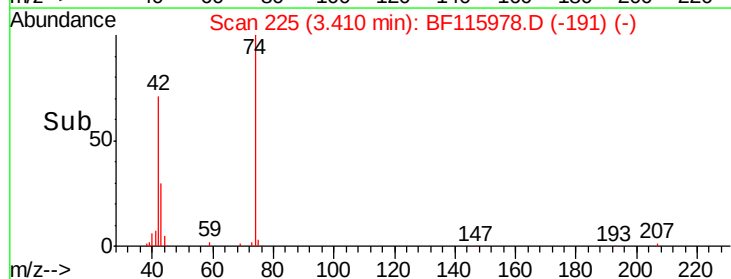
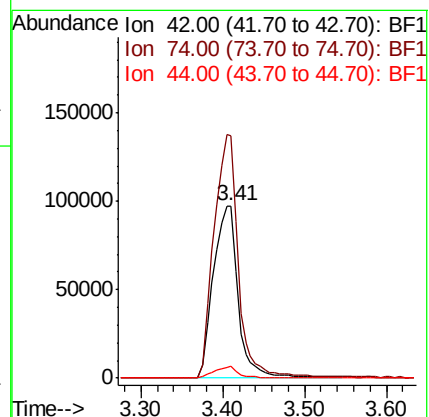
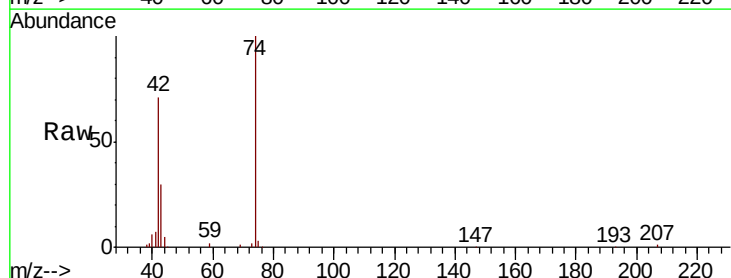
Tgt Ion: 42 Resp: 207118

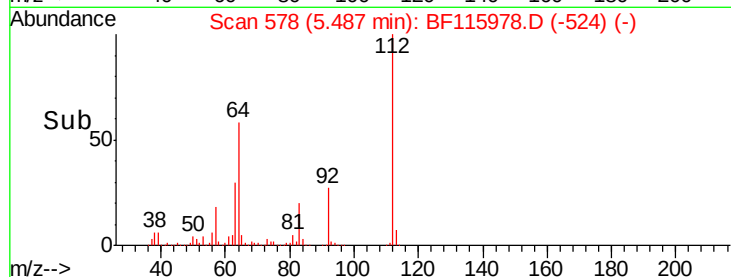
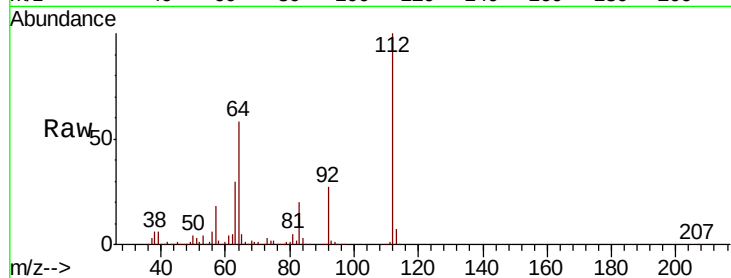
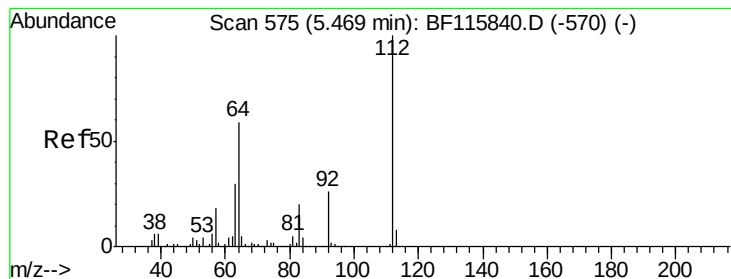
Ion Ratio Lower Upper

42 100

74 140.6 111.0 166.4

44 6.6 4.7 7.1





#5

2-Fluorophenol

Concen: 117.277 ng

RT: 5.49 min Scan# 578

Delta R.T. 0.02 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL04-RC

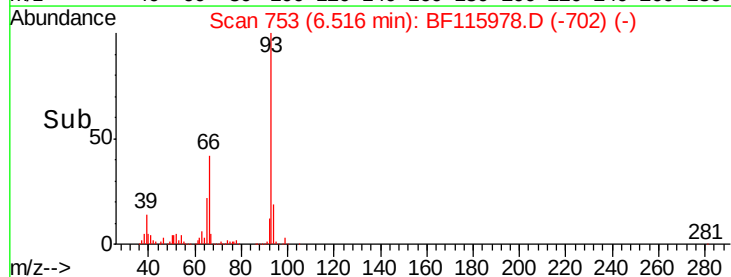
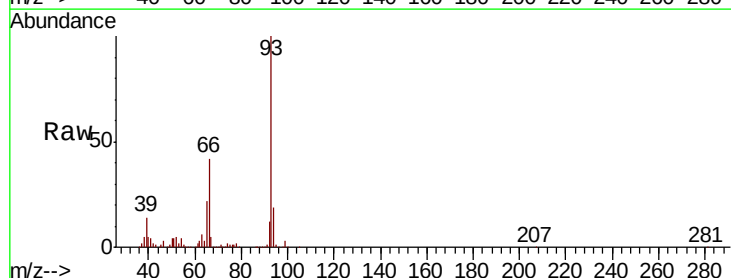
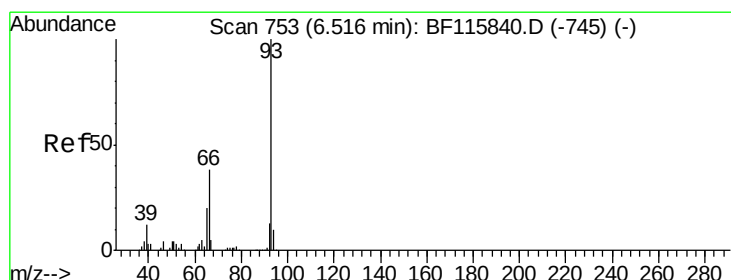
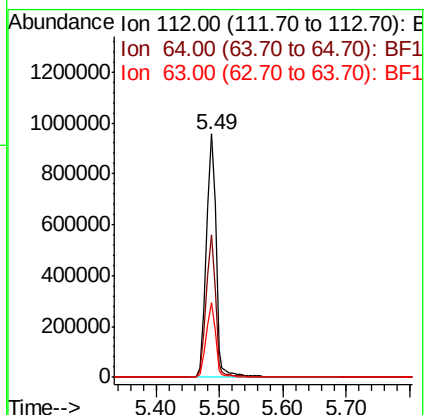
Tgt Ion:112 Resp: 1025720

Ion Ratio Lower Upper

112 100

64 58.4 46.8 70.2

63 30.4 24.2 36.2



#6

Aniline

Concen: 34.249 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

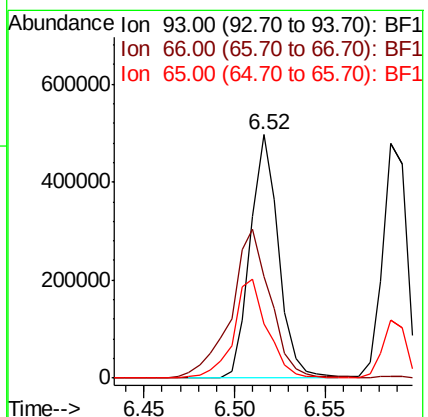
Tgt Ion: 93 Resp: 541242

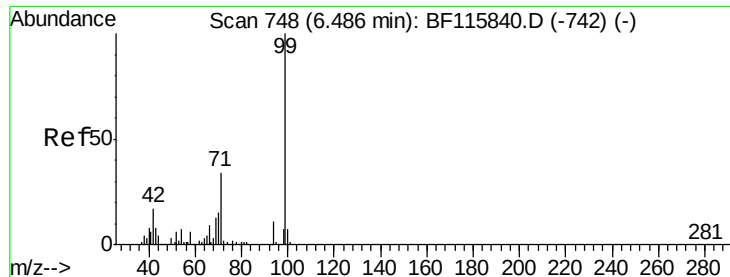
Ion Ratio Lower Upper

93 100

66 41.7 31.4 47.0

65 22.2 16.5 24.7





#7

Phenol-d6

Concen: 118.838 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL04-RC

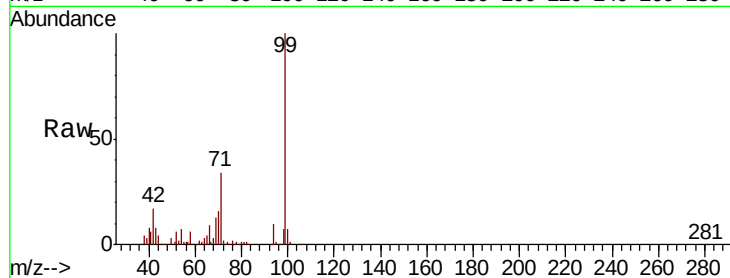
Tgt Ion: 99 Resp: 1311352

Ion Ratio Lower Upper

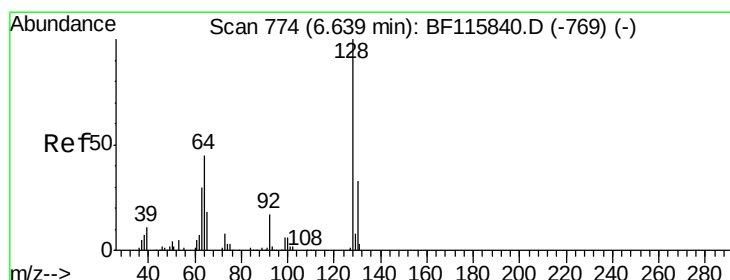
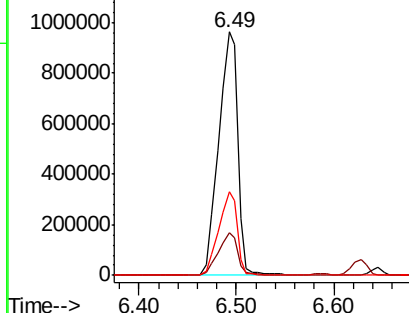
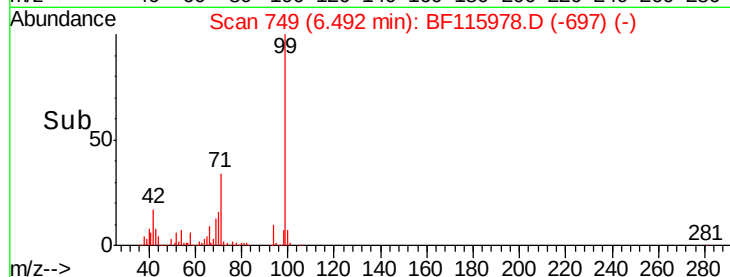
99 100

42 17.4 13.8 20.6

71 34.4 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: 46.570 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.01 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

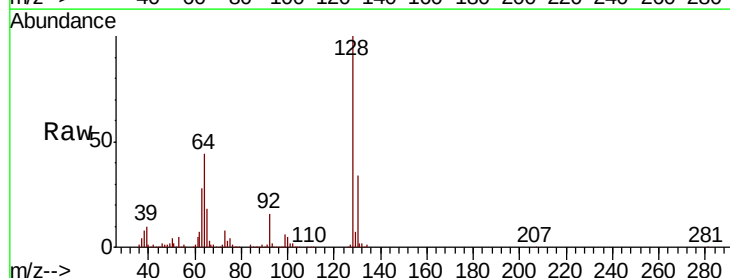
Tgt Ion: 128 Resp: 450402

Ion Ratio Lower Upper

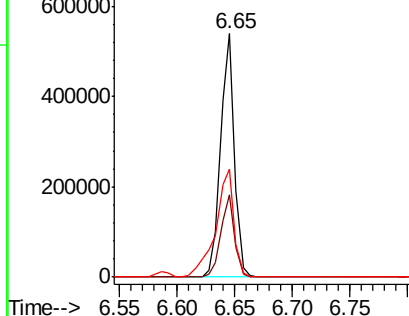
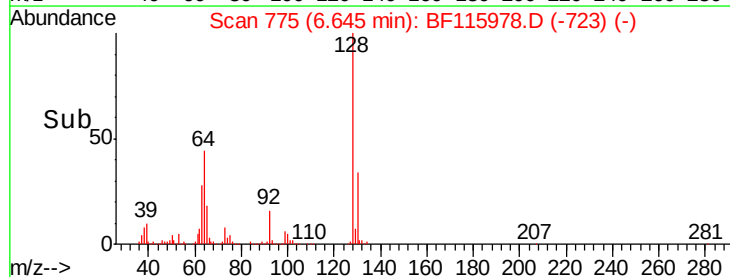
128 100

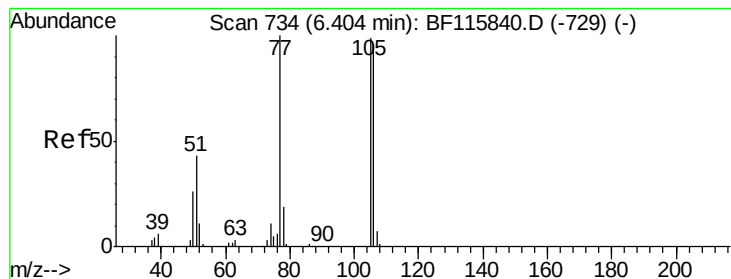
130 33.7 12.9 52.9

64 44.1 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: 32.878 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.00 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL04-RC

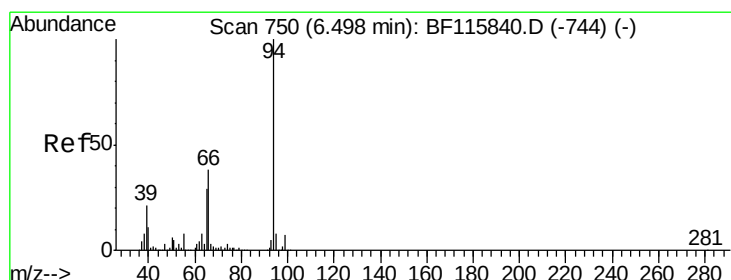
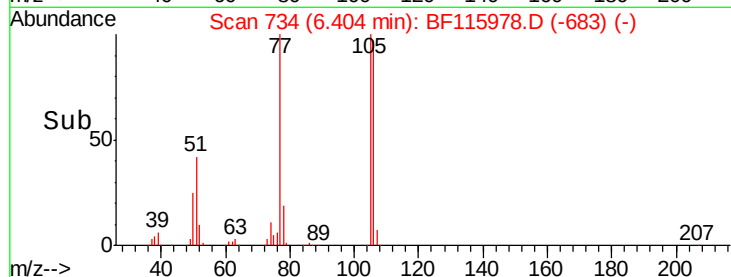
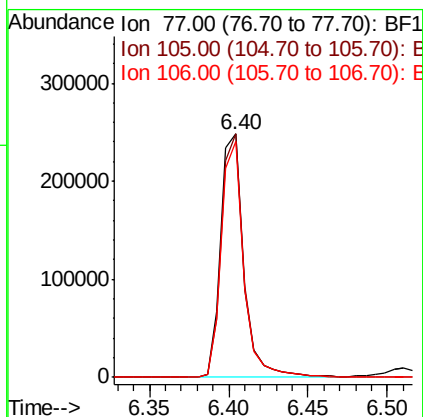
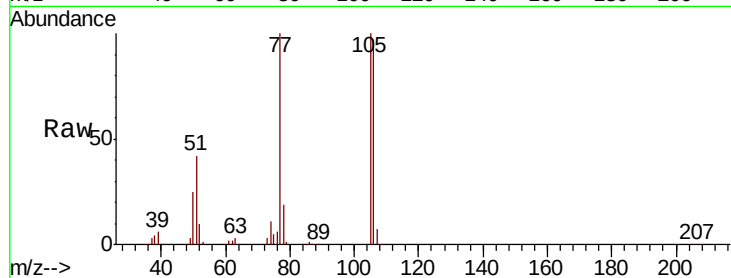
Tgt Ion: 77 Resp: 250330

Ion Ratio Lower Upper

77 100

105 100.1 79.0 119.0

106 96.8 76.2 116.2



#10

Phenol

Concen: 44.553 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

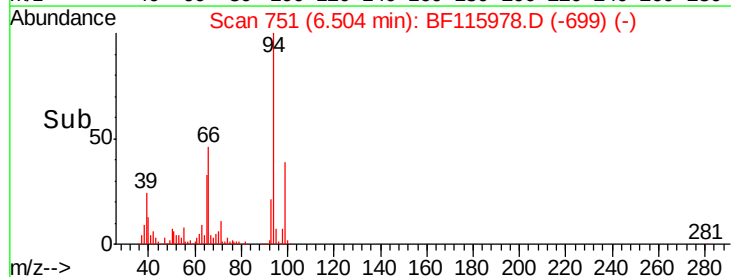
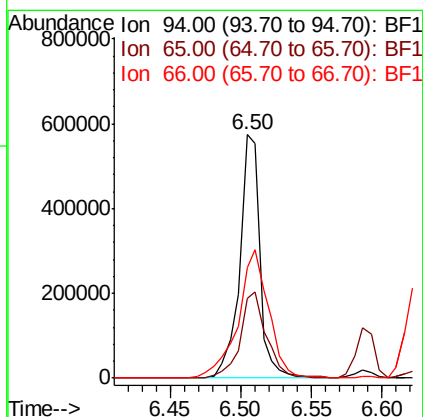
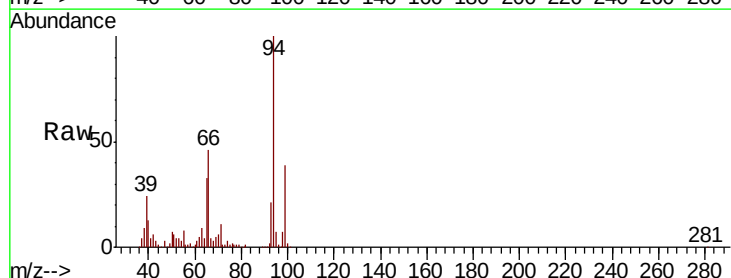
Tgt Ion: 94 Resp: 578952

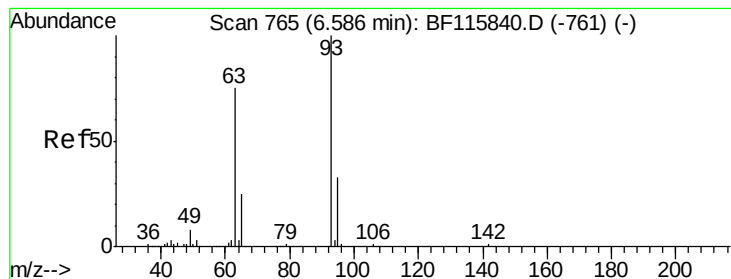
Ion Ratio Lower Upper

94 100

65 32.7 8.9 48.9

66 45.6 18.0 58.0





#11

bis(2-Chloroethyl)ether

Concen: 45.588 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.00 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL04-RC

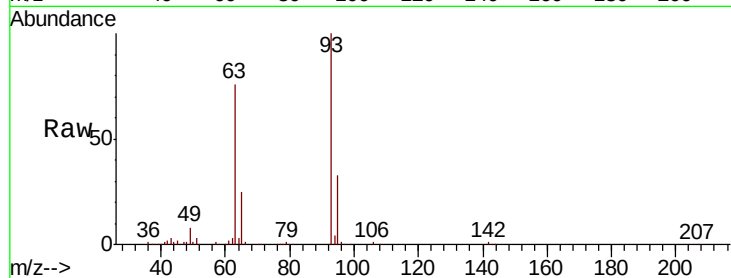
Tgt Ion: 93 Resp: 435536

Ion Ratio Lower Upper

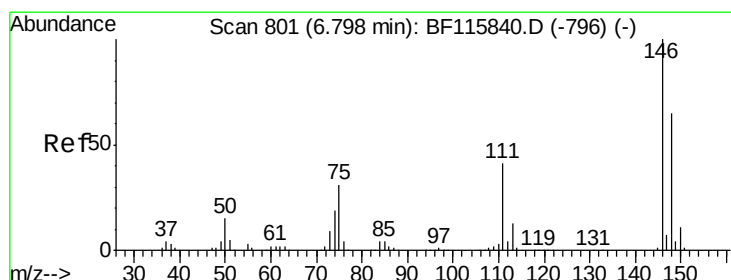
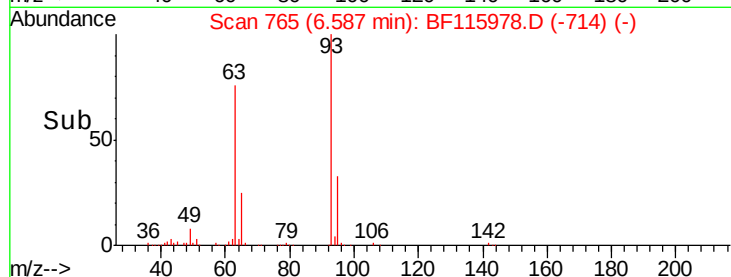
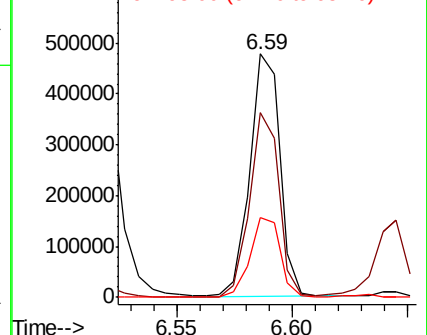
93 100

63 75.9 54.9 94.9

95 32.8 13.3 53.3



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 43.450 ng

RT: 6.79 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

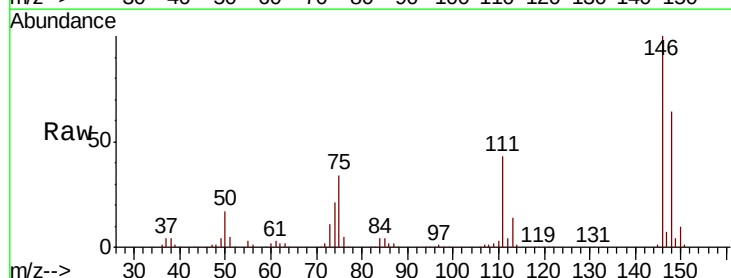
Tgt Ion: 146 Resp: 485653

Ion Ratio Lower Upper

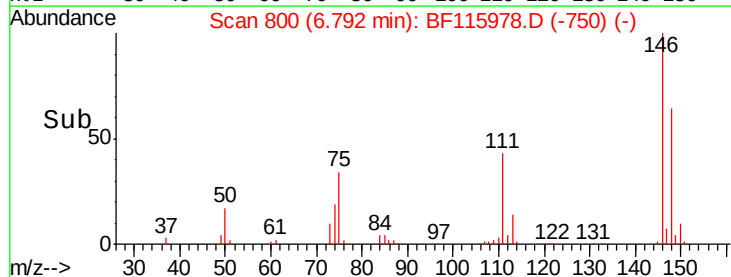
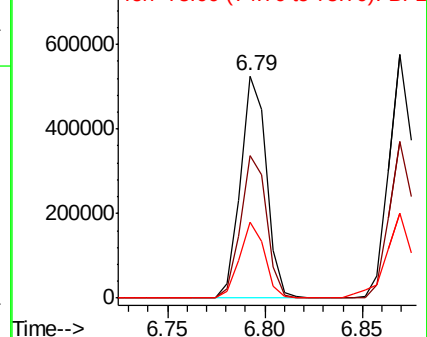
146 100

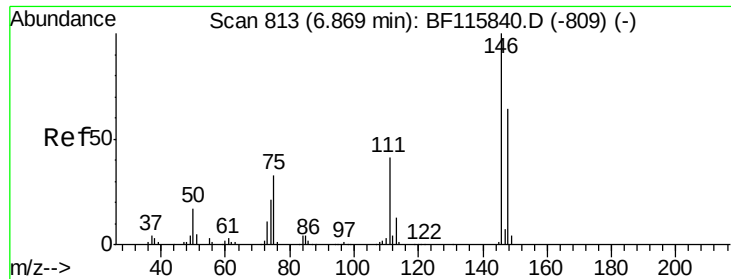
148 64.0 52.1 78.1

75 34.1 25.0 37.6



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF1

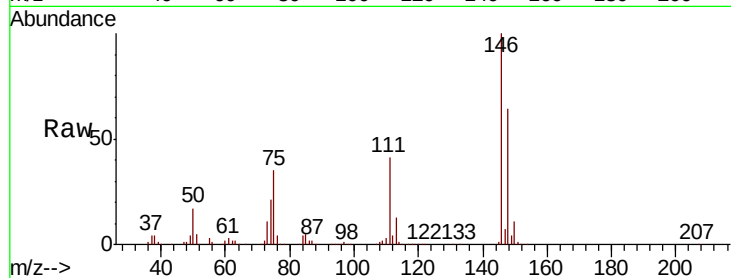




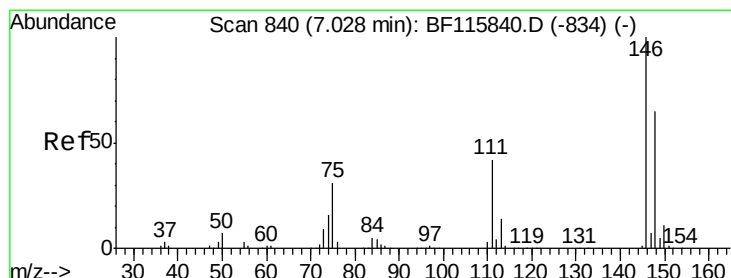
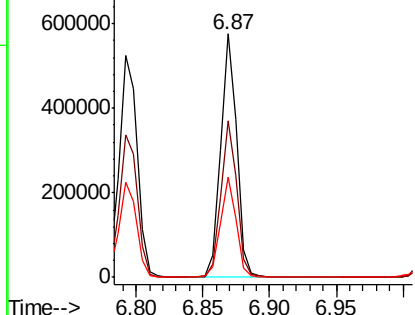
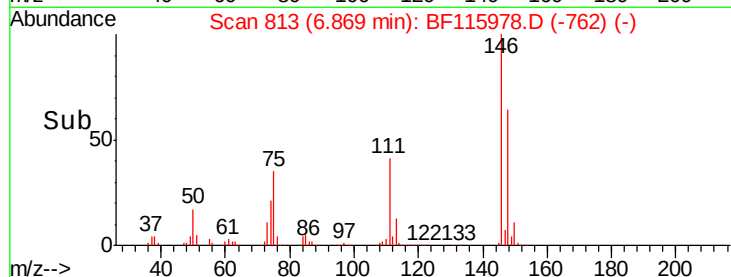
#13
 1,4-Dichlorobenzene
 Concen: 44.043 ng
 RT: 6.87 min Scan# 813
 Delta R.T. 0.00 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL04-RC

Tgt Ion:146 Resp: 492901
 Ion Ratio Lower Upper
 146 100
 148 64.5 51.2 76.8
 111 41.4 33.2 49.8

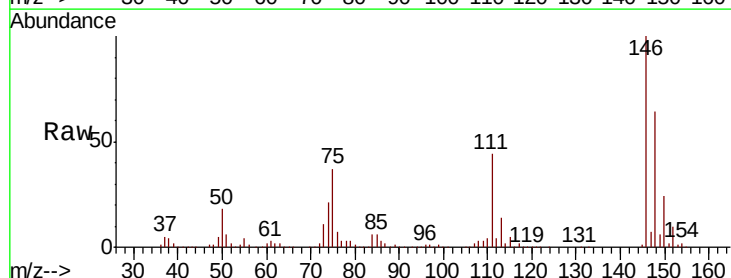


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

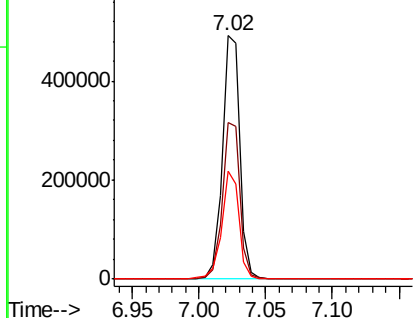
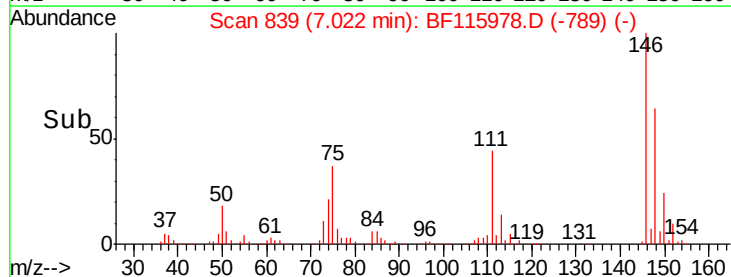


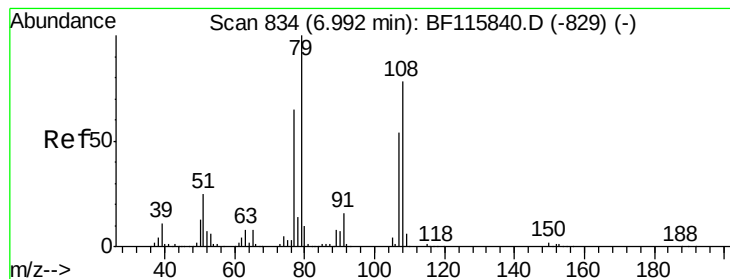
#14
 1,2-Dichlorobenzene
 Concen: 44.077 ng
 RT: 7.02 min Scan# 839
 Delta R.T. -0.01 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

Tgt Ion:146 Resp: 454208
 Ion Ratio Lower Upper
 146 100
 148 64.3 51.6 77.4
 111 44.4 33.6 50.4



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 46.334 ng

RT: 7.00 min Scan# 835

Delta R.T. 0.01 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL04-RC

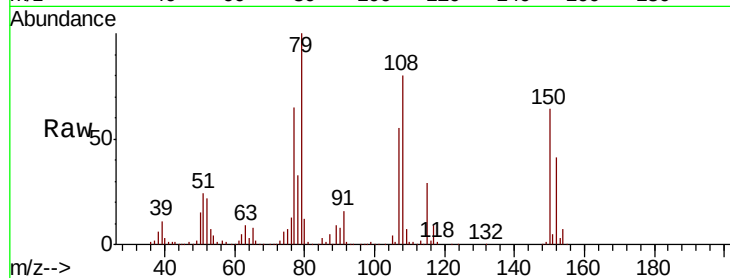
Tgt Ion: 79 Resp: 388016

Ion Ratio Lower Upper

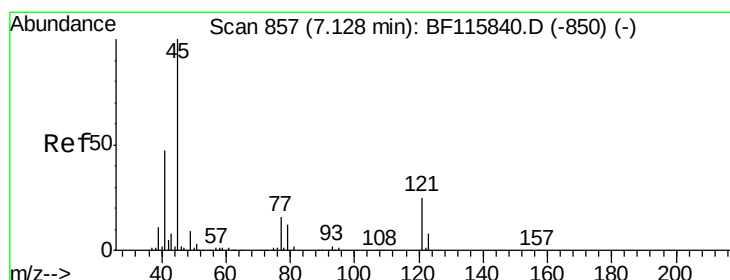
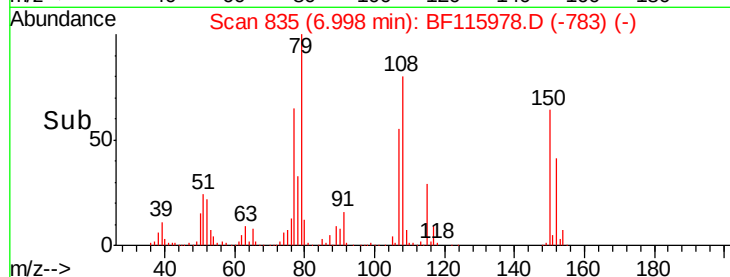
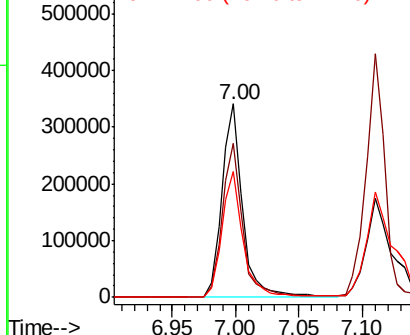
79 100

108 79.6 62.8 94.2

77 64.8 52.0 78.0



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 44.553 ng

RT: 7.13 min Scan# 857

Delta R.T. 0.00 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

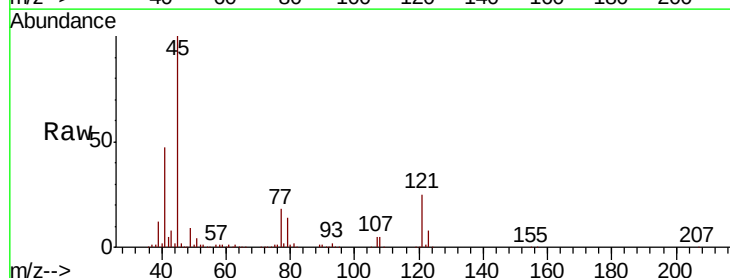
Tgt Ion: 45 Resp: 580579

Ion Ratio Lower Upper

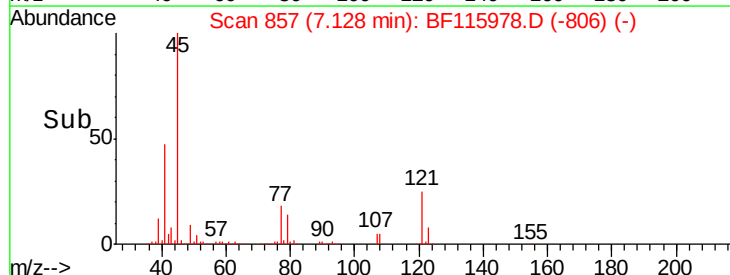
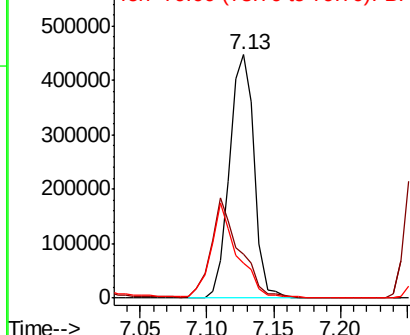
45 100

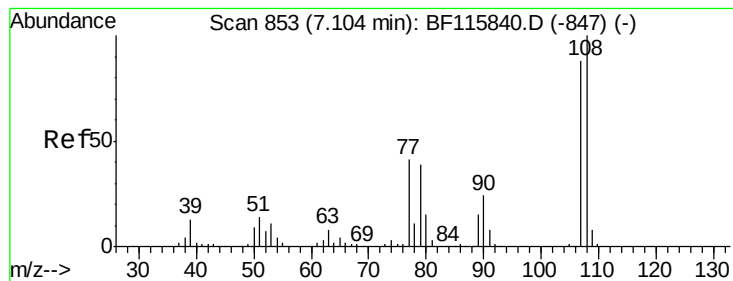
77 18.2 0.0 36.3

79 14.5 0.0 32.5



Abundance Ion 45.00 (44.70 to 45.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

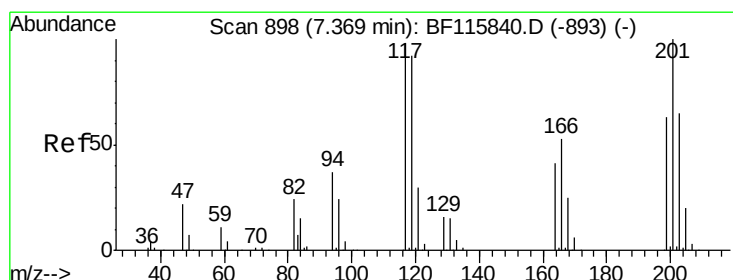
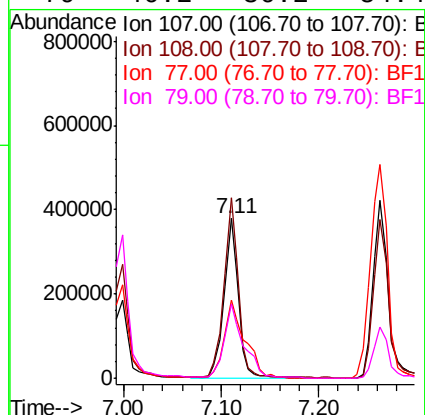
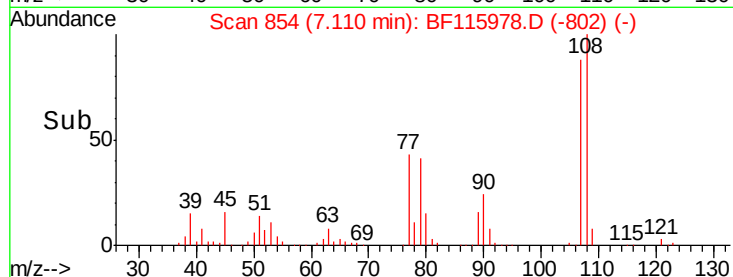
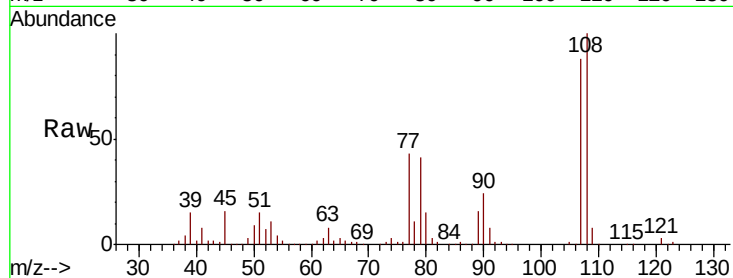




#17
2-Methylphenol
Concen: 47.164 ng
RT: 7.11 min Scan# 854
Delta R.T. 0.01 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

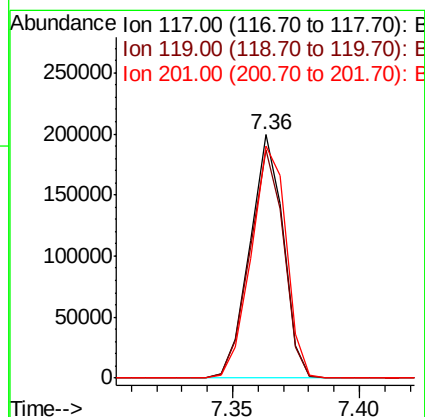
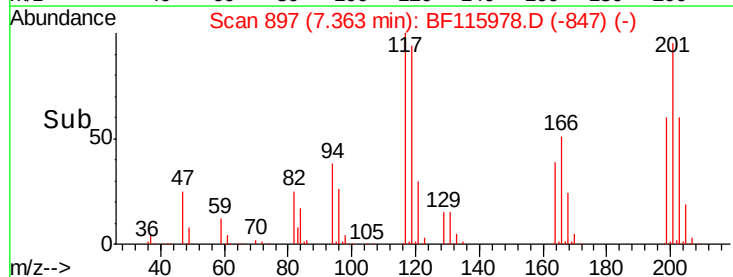
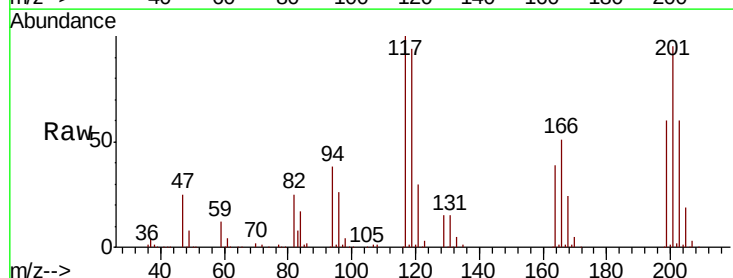
Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL04-RC

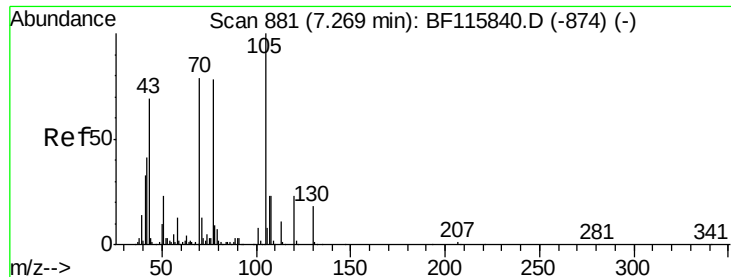
Tgt Ion:107 Resp: 386240
Ion Ratio Lower Upper
107 100
108 113.3 91.4 137.0
77 48.8 37.6 56.4
79 46.2 36.2 54.4



#18
Hexachloroethane
Concen: 44.456 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Tgt Ion:117 Resp: 183178
Ion Ratio Lower Upper
117 100
119 93.9 75.8 113.6
201 95.1 82.0 123.0

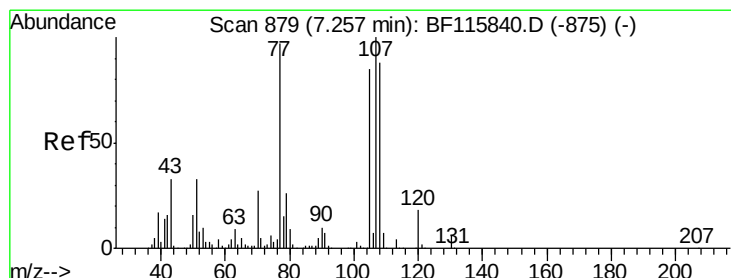
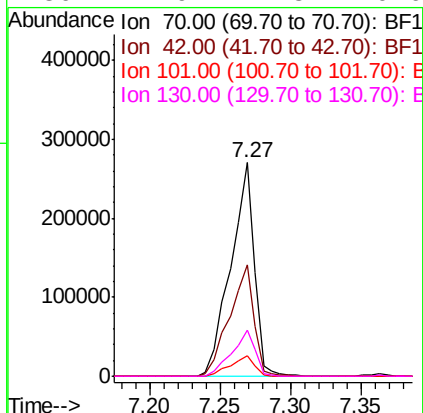
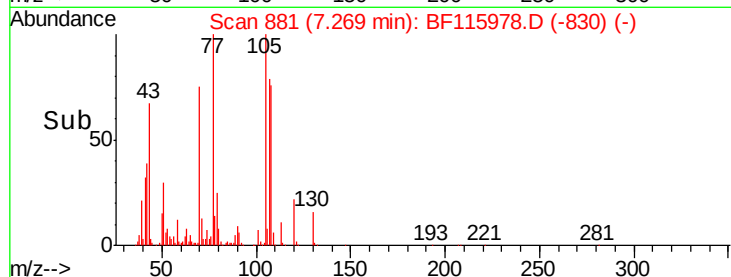
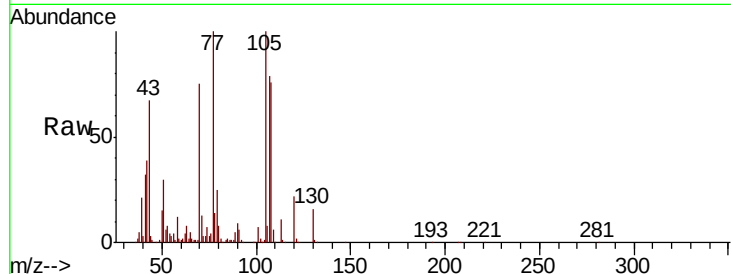




#19
n-Nitroso-di-n-propylamine
Concen: 46.155 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.00 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

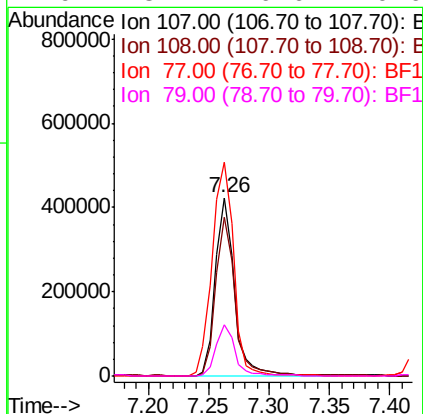
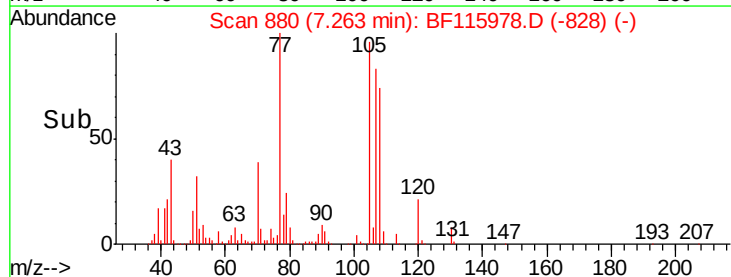
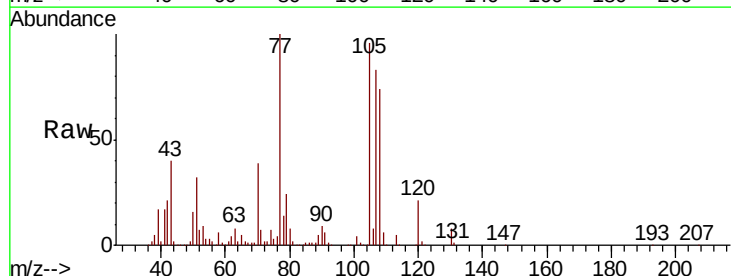
Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL04-RC

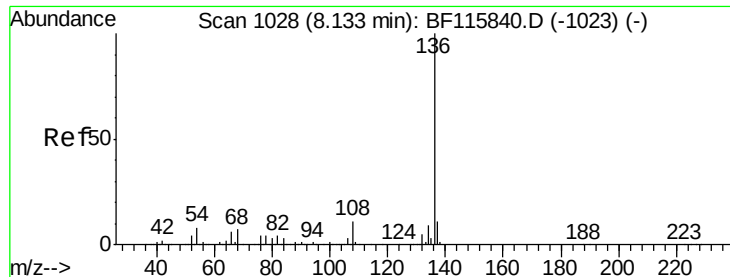
Tgt Ion: 70 Resp: 315609
Ion Ratio Lower Upper
70 100
42 52.2 41.8 62.8
101 9.6 7.7 11.5
130 21.9 17.8 26.6



#20
3+4-Methylphenols
Concen: 46.909 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.01 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Tgt Ion: 107 Resp: 454600
Ion Ratio Lower Upper
107 100
108 88.9 67.9 107.9
77 120.0 77.3 117.3#
79 28.7 6.6 46.6

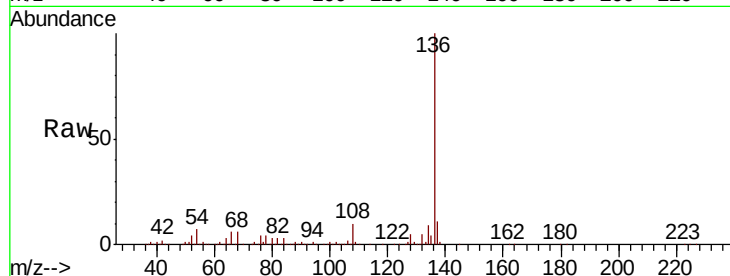




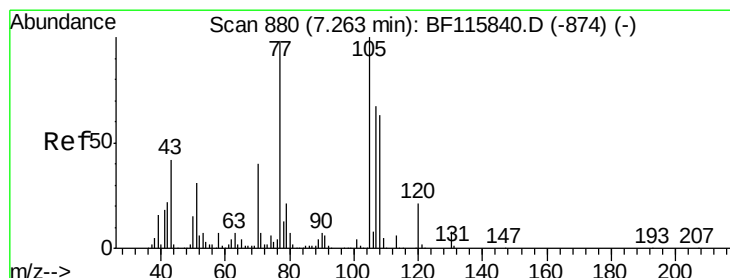
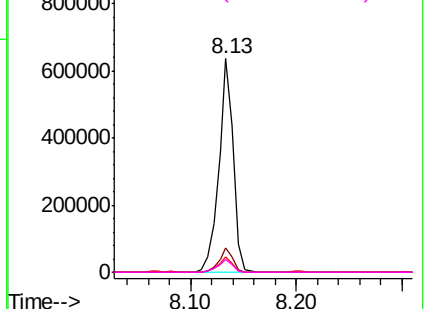
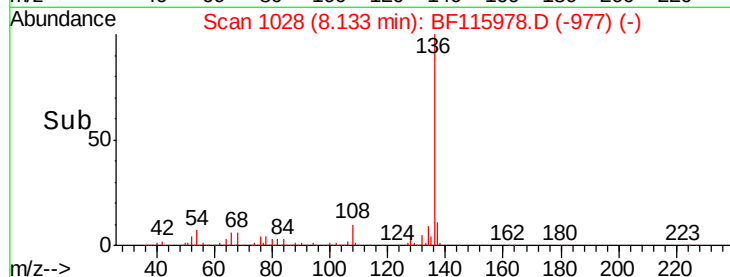
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL04-RC

Tgt Ion:	136	Resp:	610600
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	7.4	6.1	9.1
68	6.3	5.4	8.2

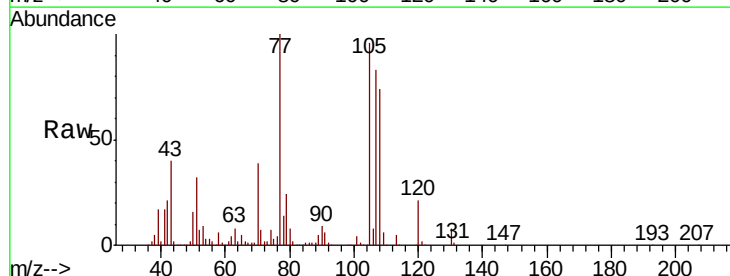


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

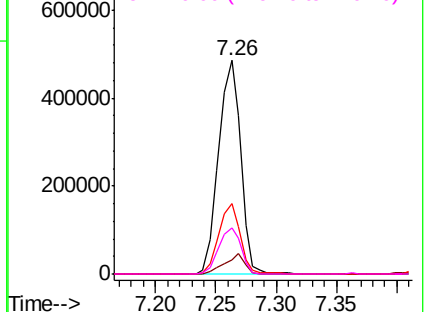
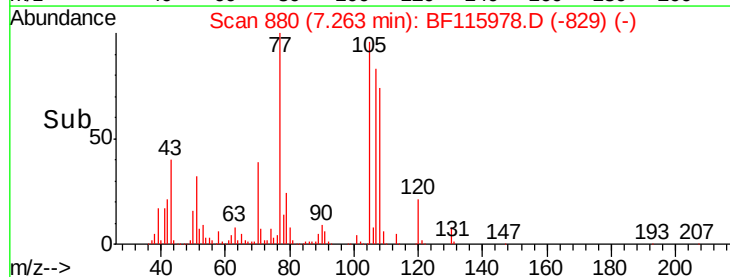


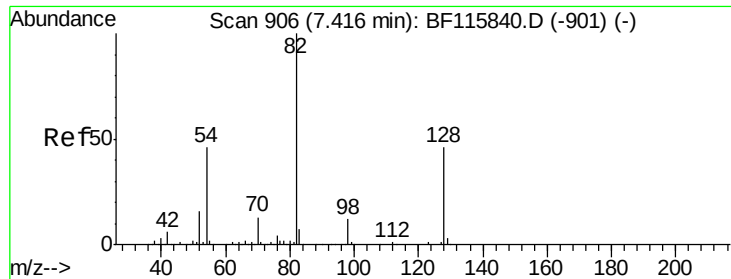
#22
Acetophenone
Concen: 45.733 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.00 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Tgt Ion:	105	Resp:	612427
Ion	Ratio	Lower	Upper
105	100		
71	6.9	5.4	8.0
51	33.0	24.6	36.8
120	21.7	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

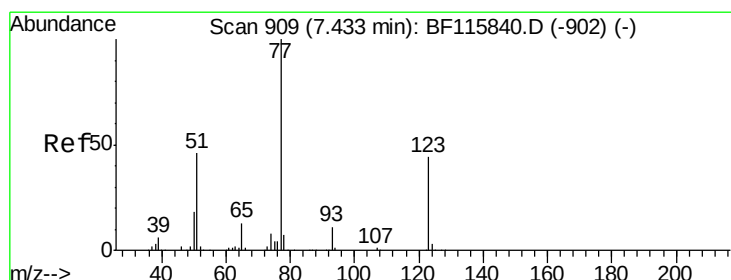
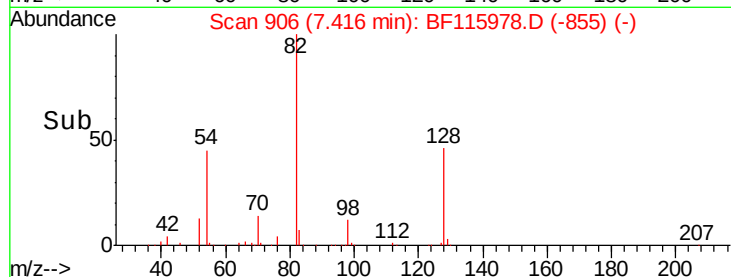
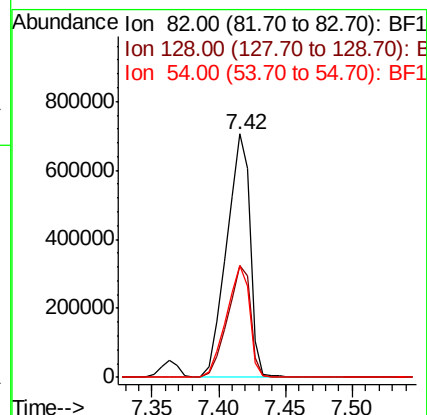
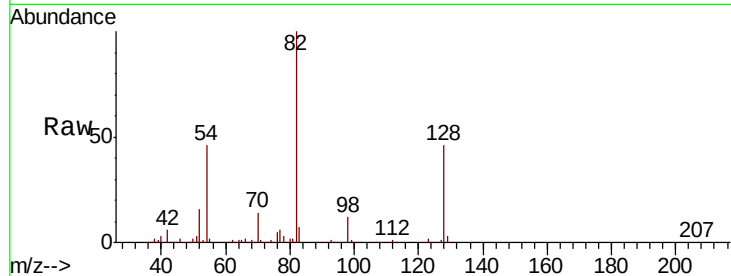




#23
 Nitrobenzene-d5
 Concen: 82.907 ng
 RT: 7.42 min Scan# 906
 Delta R.T. 0.00 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

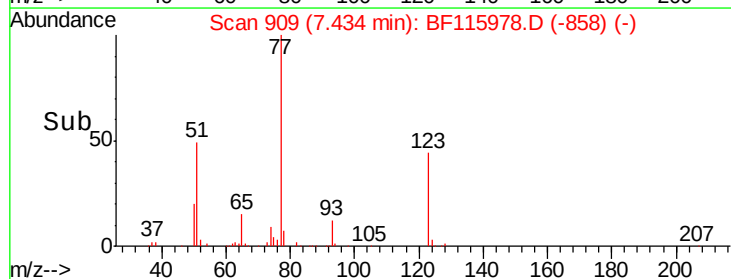
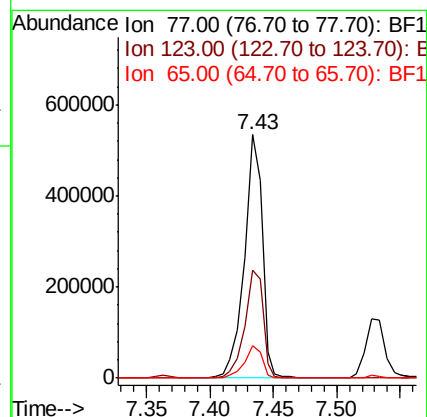
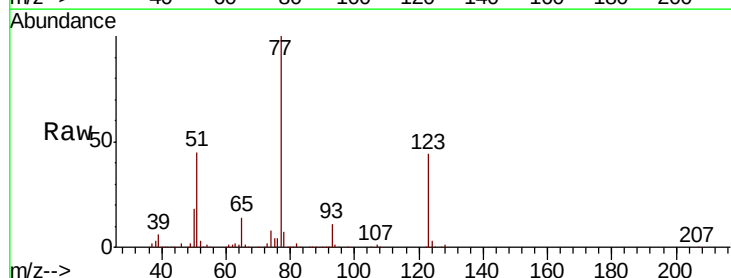
Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL04-RC

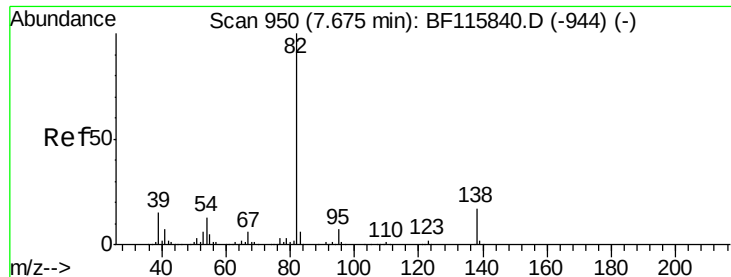
Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.0	36.6	55.0
54	45.9	36.6	55.0



#24
 Nitrobenzene
 Concen: 45.115 ng
 RT: 7.43 min Scan# 909
 Delta R.T. 0.00 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

Tgt Ion	Ratio	Lower	Upper
77	100		
123	44.1	35.5	53.3
65	13.5	10.6	15.8





#25

Isophorone

Concen: 46.894 ng

RT: 7.67 min Scan# 950

Delta R.T. 0.00 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL04-RC

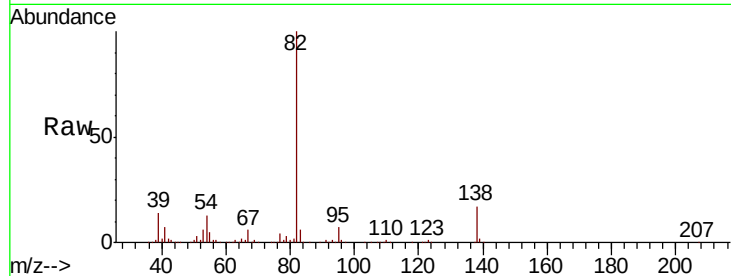
Tgt Ion: 82 Resp: 948529

Ion Ratio Lower Upper

82 100

95 6.6 5.5 8.3

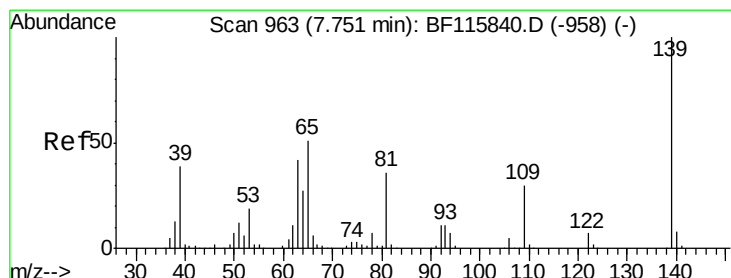
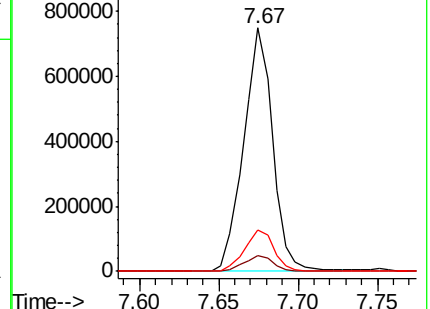
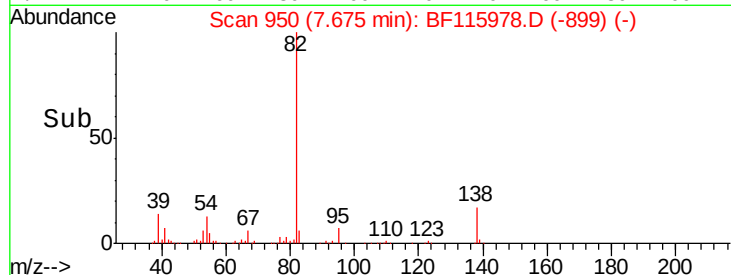
138 17.3 13.9 20.9



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: 47.760 ng

RT: 7.75 min Scan# 963

Delta R.T. 0.00 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

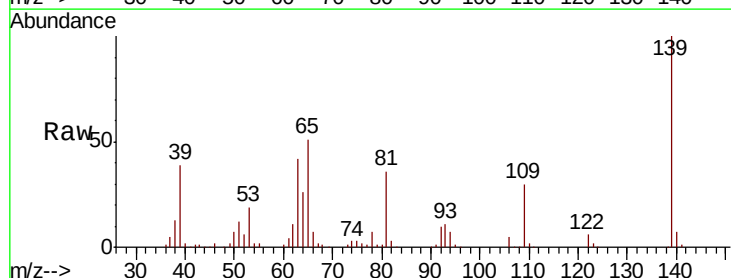
Tgt Ion: 139 Resp: 257144

Ion Ratio Lower Upper

139 100

109 29.6 23.6 35.4

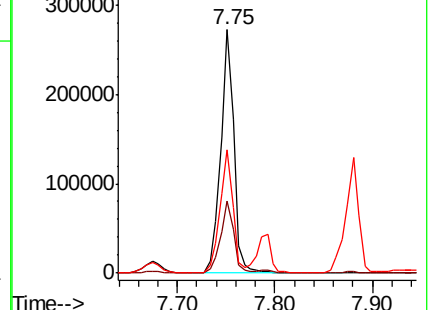
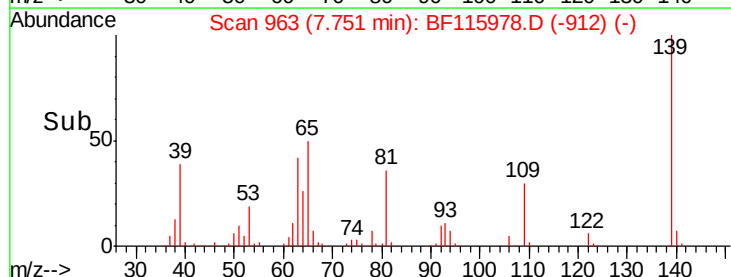
65 50.6 40.6 60.8

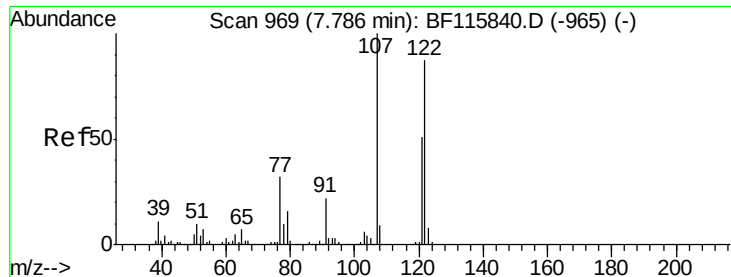


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

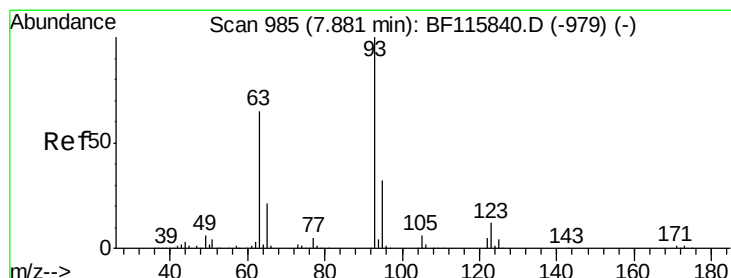
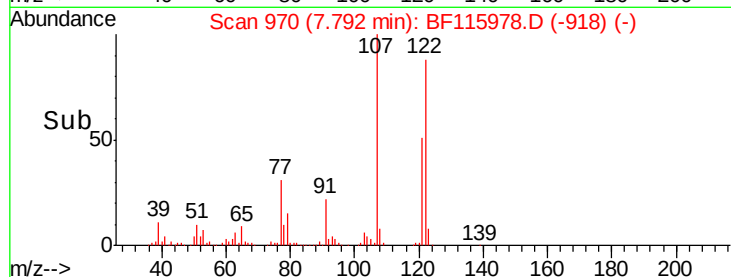
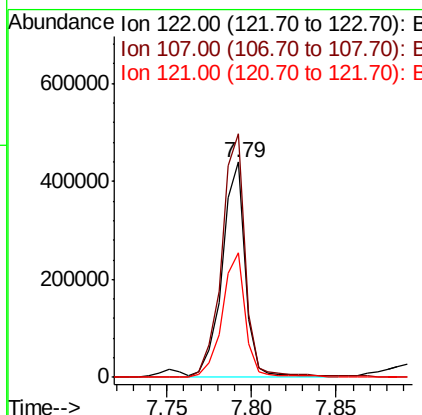
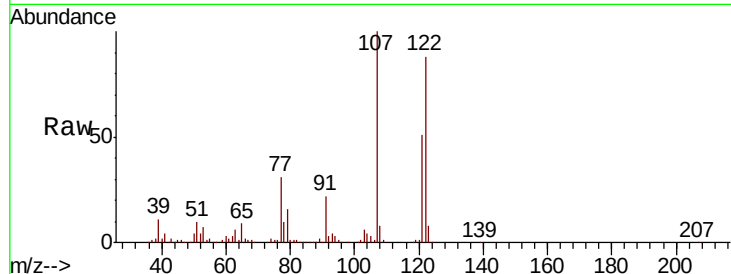




#27
 2,4-Dimethylphenol
 Concen: 52.134 ng
 RT: 7.79 min Scan# 970
 Delta R.T. 0.01 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

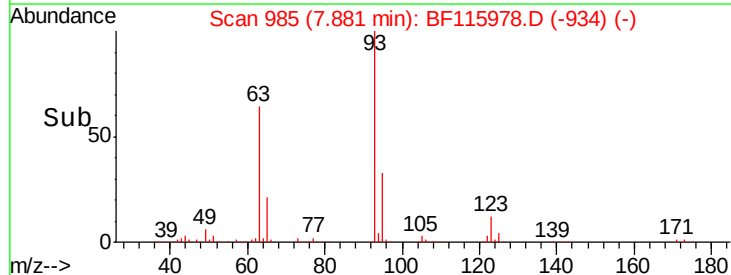
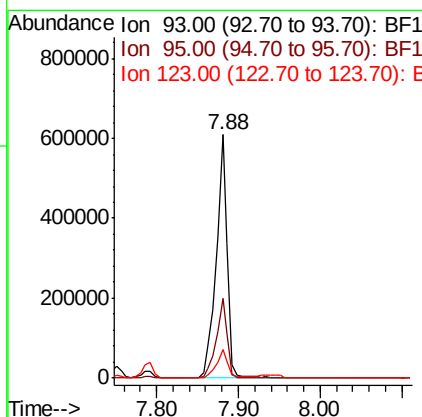
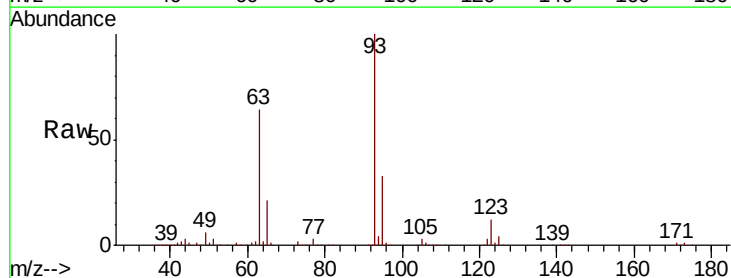
Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL04-RC

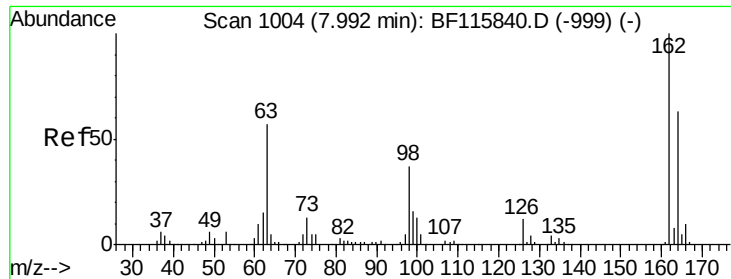
Tgt Ion	Ratio	Lower	Upper
122	100		
107	113.2	91.7	137.5
121	57.7	46.6	70.0



#28
 bis(2-Chloroethoxy)methane
 Concen: 46.020 ng
 RT: 7.88 min Scan# 985
 Delta R.T. 0.00 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.0	39.0
123	11.7	9.5	14.3

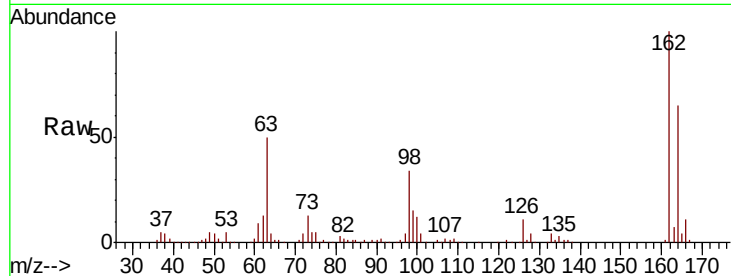




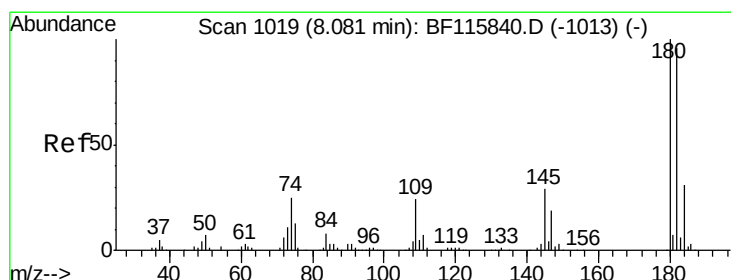
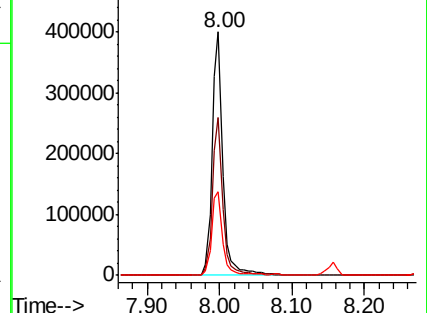
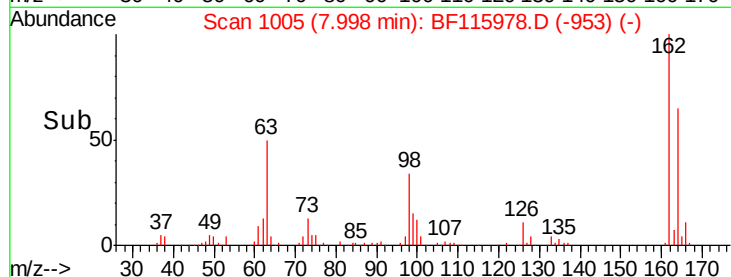
#29
 2,4-Dichlorophenol
 Concen: 47.821 ng
 RT: 8.00 min Scan# 1005
 Delta R.T. 0.01 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL04-RC

Tgt Ion	Ratio	Lower	Upper
162	100		
164	64.7	43.2	83.2
98	34.5	17.3	57.3

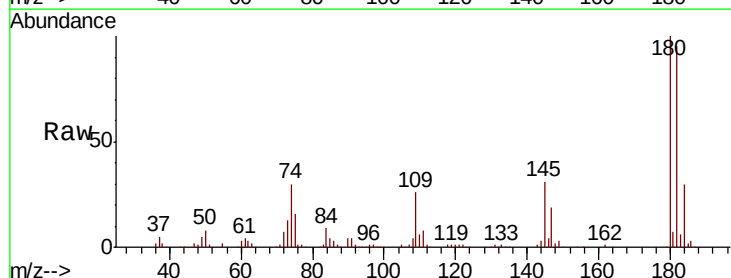


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

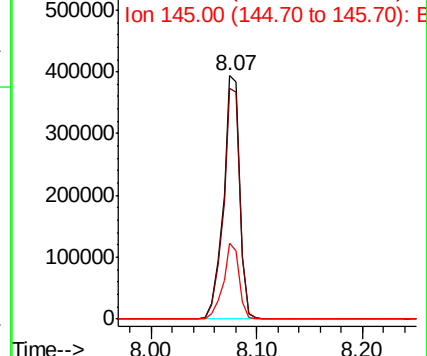
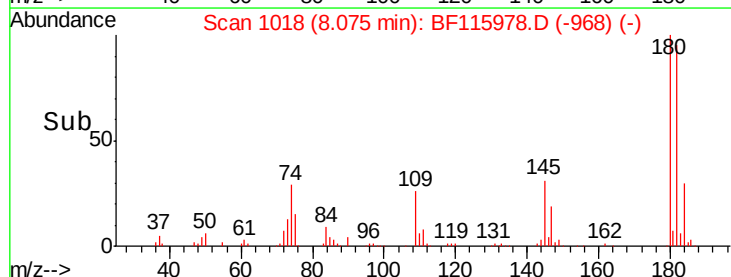


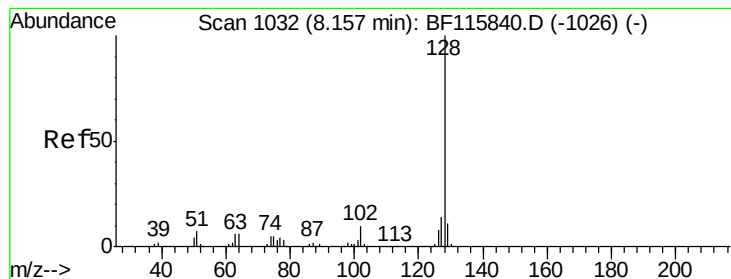
#30
 1,2,4-Trichlorobenzene
 Concen: 44.152 ng
 RT: 8.07 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.6	114.8
145	31.1	23.2	34.8



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 45.972 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL04-RC

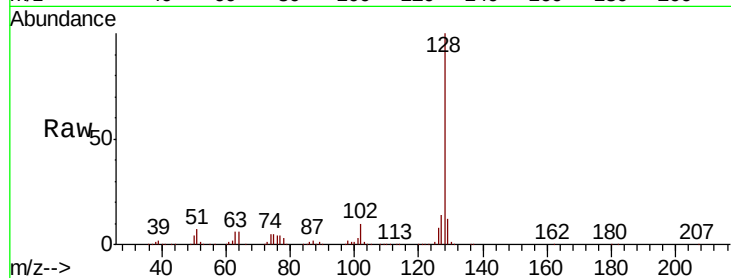
Tgt Ion:128 Resp: 1320949

Ion Ratio Lower Upper

128 100

129 11.7 9.2 13.8

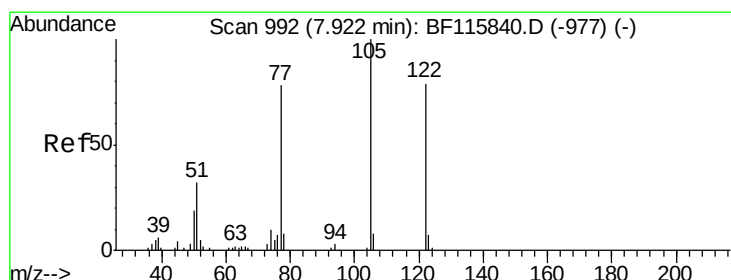
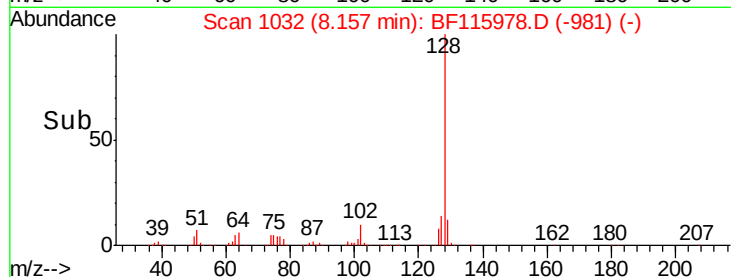
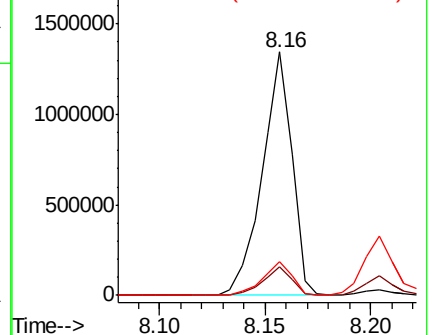
127 13.8 11.0 16.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 46.003 ng

RT: 7.95 min Scan# 996

Delta R.T. 0.02 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

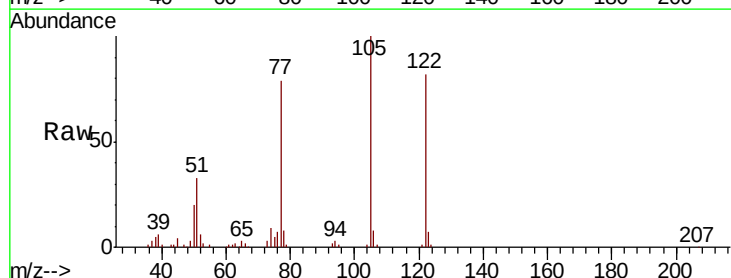
Tgt Ion:122 Resp: 262719

Ion Ratio Lower Upper

122 100

105 122.1 103.1 143.1

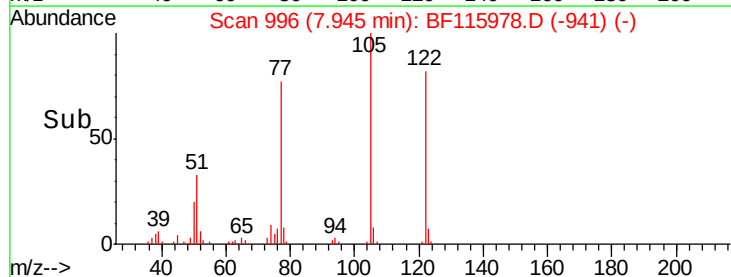
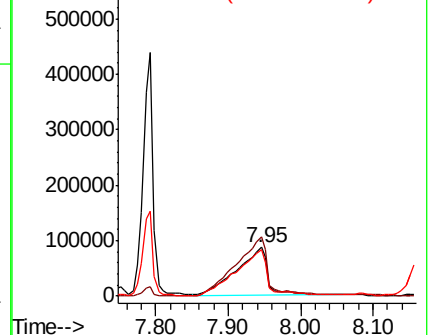
77 95.8 76.8 116.8

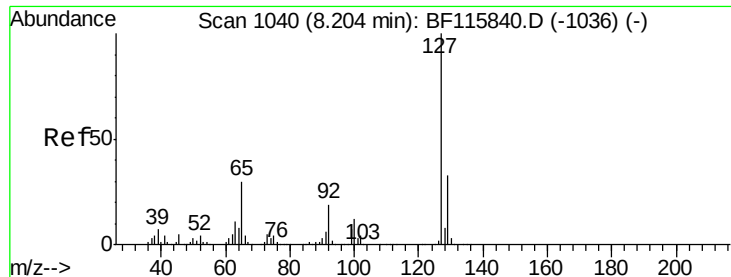


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

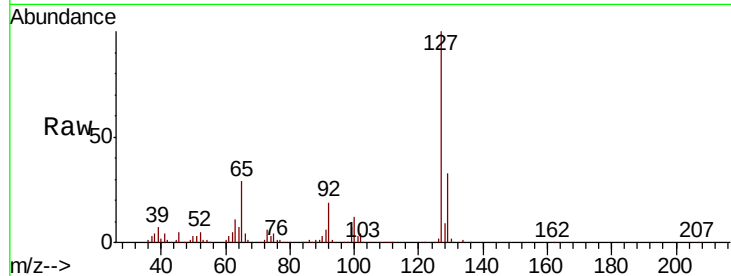




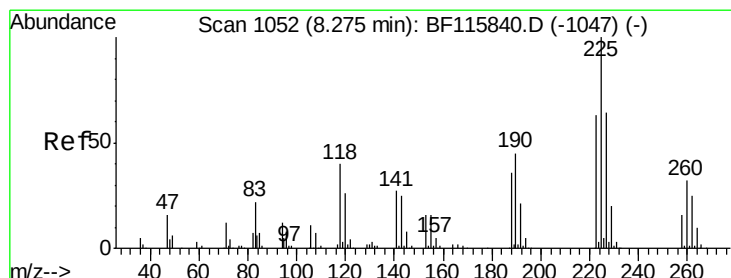
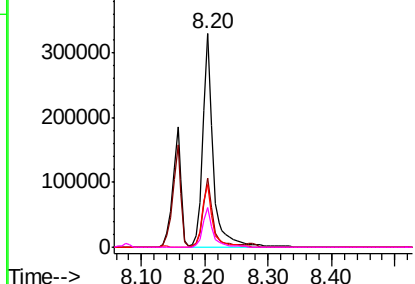
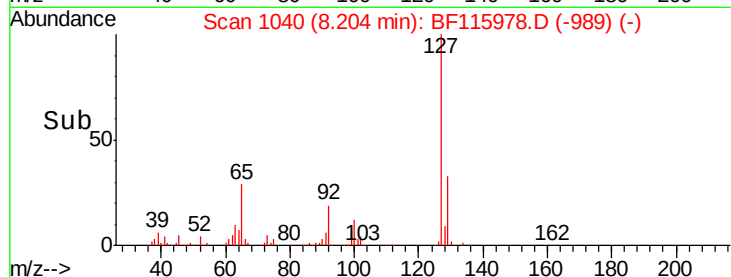
#33
 4-Chloroaniline
 Concen: 28.996 ng
 RT: 8.20 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL04-RC

Tgt Ion:	127	Resp:	372265
Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.0	39.0
65	29.4	23.9	35.9
92	18.6	14.9	22.3

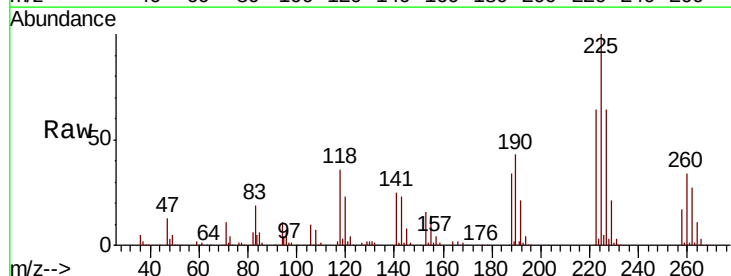


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1

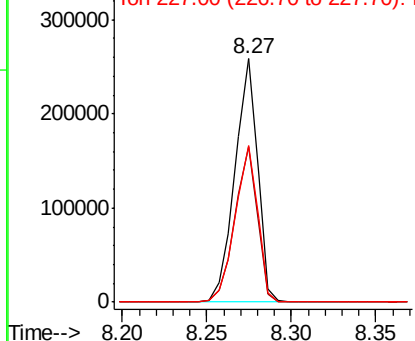
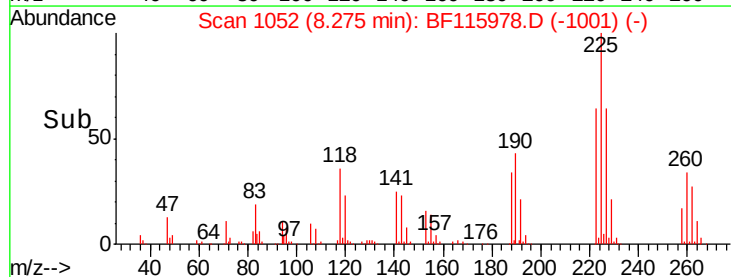


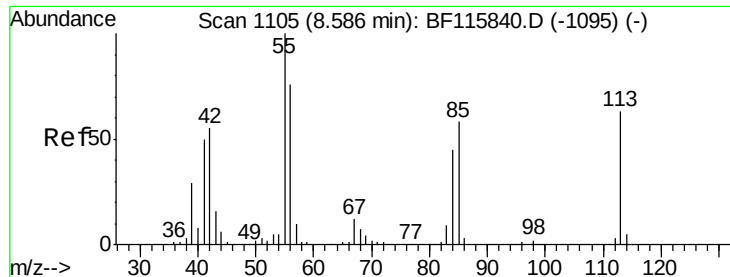
#34
 Hexachlorobutadiene
 Concen: 42.940 ng
 RT: 8.27 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

Tgt Ion:	225	Resp:	241134
Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.4	75.6
227	64.5	51.6	77.4



Abundance Ion 225.00 (224.70 to 225.70): E
 Ion 223.00 (222.70 to 223.70): E
 Ion 227.00 (226.70 to 227.70): E

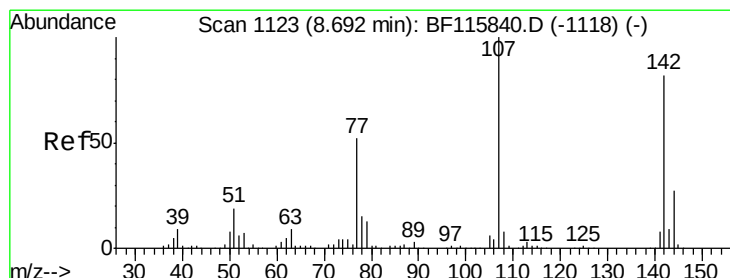
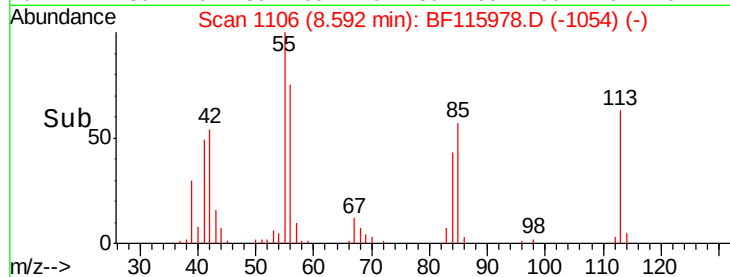
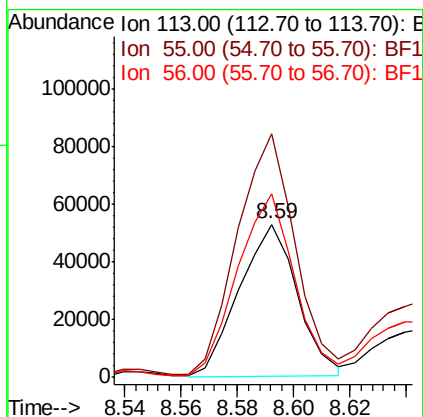
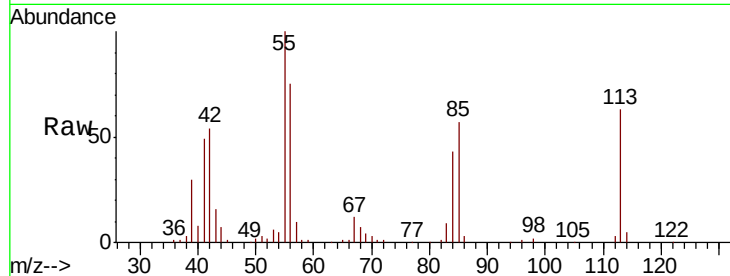




#35
 Caprolactam
 Concen: 27.338 ng
 RT: 8.59 min Scan# 1106
 Delta R.T. 0.01 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

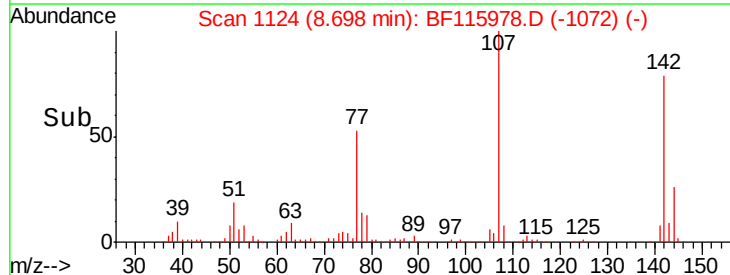
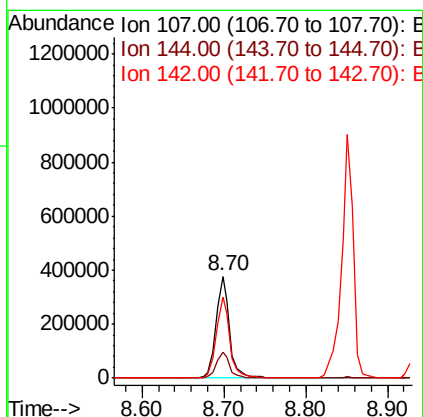
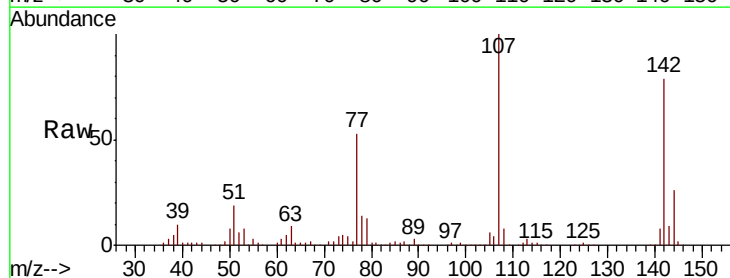
Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL04-RC

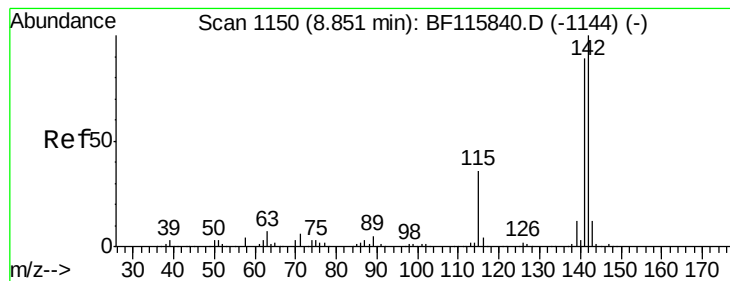
Tgt Ion:113 Resp: 75621
 Ion Ratio Lower Upper
 113 100
 55 159.3 138.1 178.1
 56 119.7 100.6 140.6



#36
 4-Chloro-3-methylphenol
 Concen: 49.190 ng
 RT: 8.70 min Scan# 1124
 Delta R.T. 0.01 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

Tgt Ion:107 Resp: 437671
 Ion Ratio Lower Upper
 107 100
 144 25.8 21.4 32.0
 142 79.4 65.5 98.3





#37

2-Methylnaphthalene

Concen: 47.486 ng

RT: 8.85 min Scan# 1150

Delta R.T. 0.00 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL04-RC

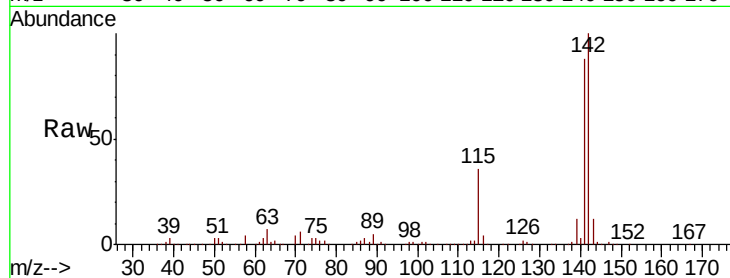
Tgt Ion:142 Resp: 898602

Ion Ratio Lower Upper

142 100

141 87.7 71.4 107.2

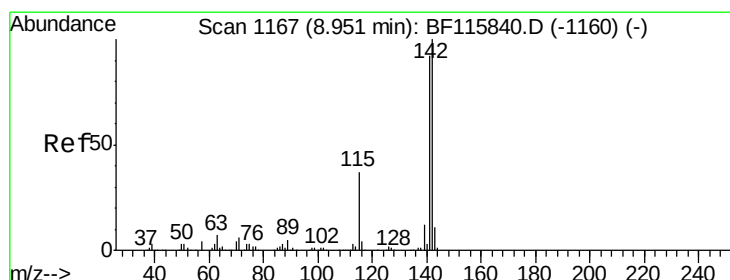
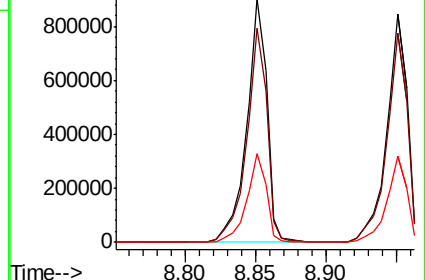
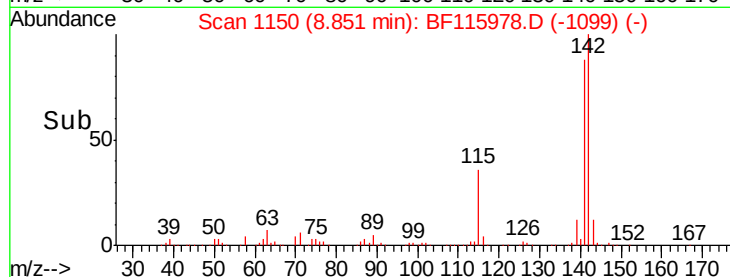
115 36.2 28.9 43.3



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: 47.553 ng

RT: 8.95 min Scan# 1167

Delta R.T. 0.00 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

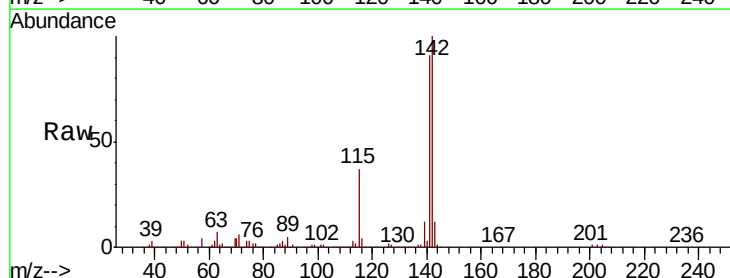
Tgt Ion:142 Resp: 851319

Ion Ratio Lower Upper

142 100

141 91.4 73.8 110.6

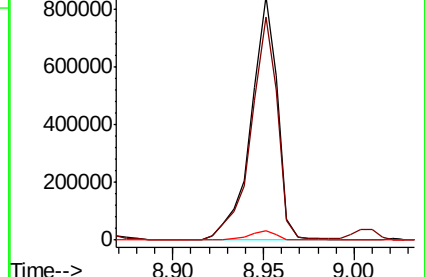
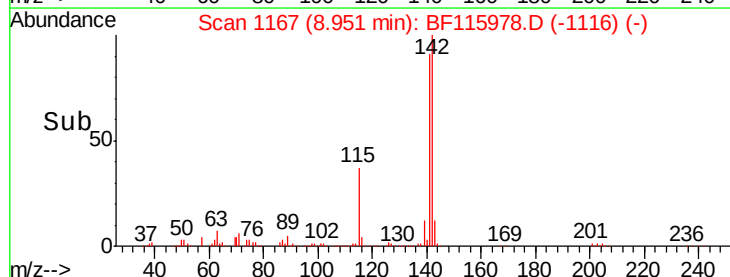
116 3.9 3.1 4.7

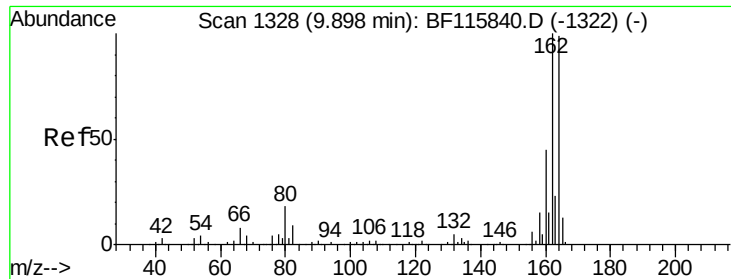


Abundance Ion 142.00 (141.70 to 142.70): E

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: BF115978.D

Acq: 3 Aug 2019 13:43

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL04-RC

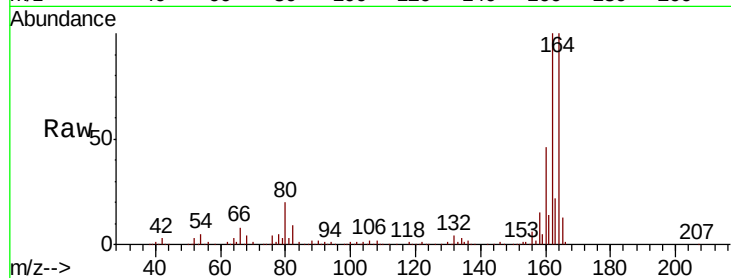
Tgt Ion:164 Resp: 342997

Ion Ratio Lower Upper

164 100

162 100.4 80.8 121.2

160 45.9 36.2 54.4

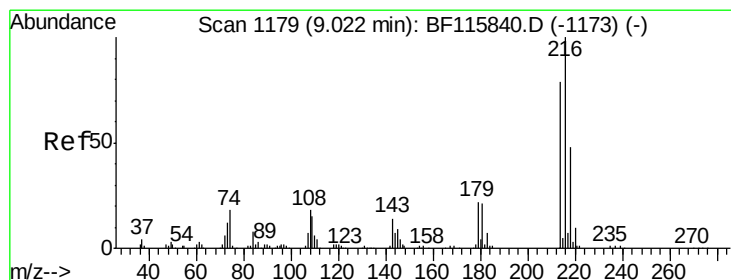
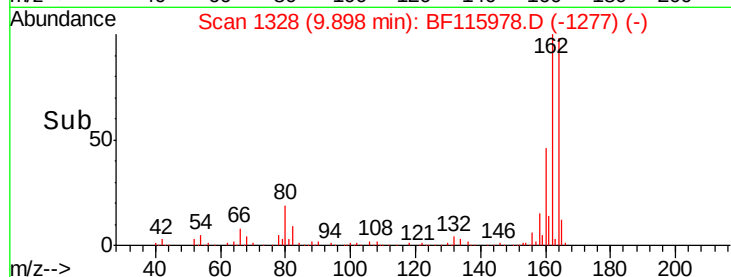
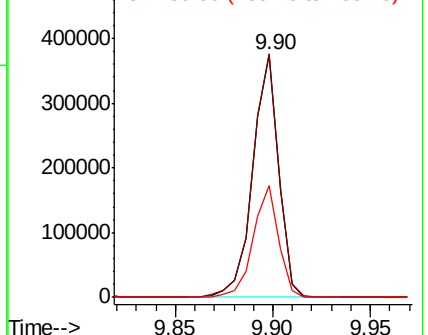


Abundance

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: 44.151 ng

RT: 9.02 min Scan# 1179

Delta R.T. 0.00 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

Tgt Ion:216 Resp: 404852

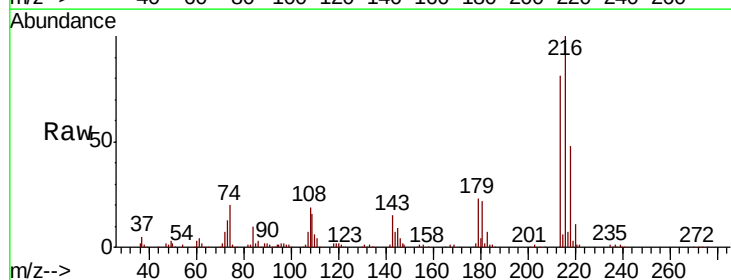
Ion Ratio Lower Upper

216 100

214 79.5 62.8 94.2

179 22.4 17.6 26.4

108 21.9 16.1 24.1



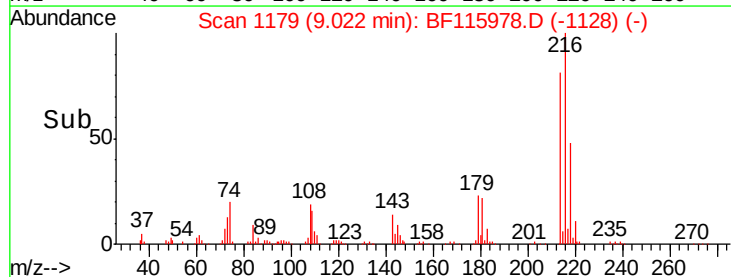
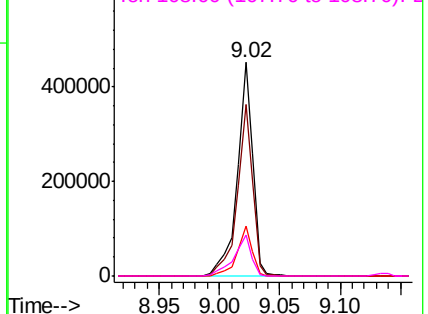
Abundance

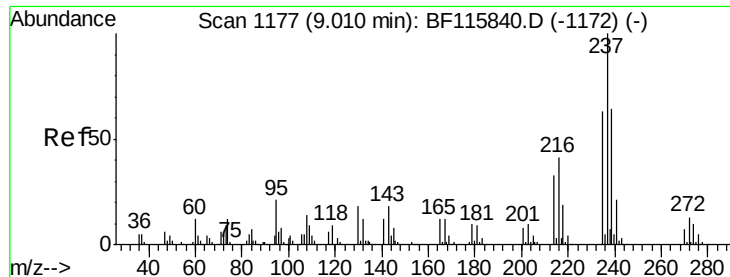
Ion 216.00 (215.70 to 216.70): E

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

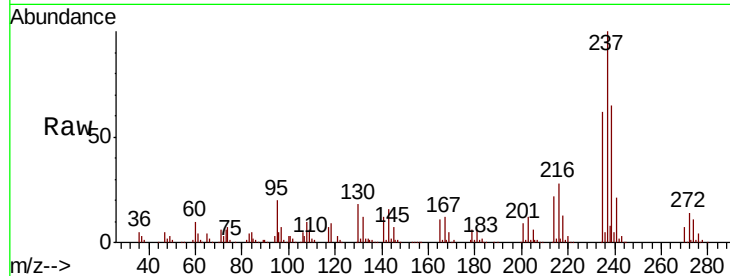




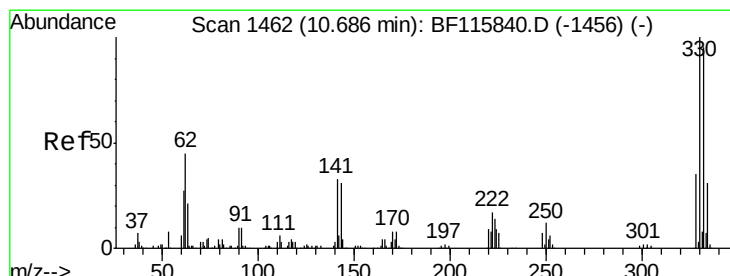
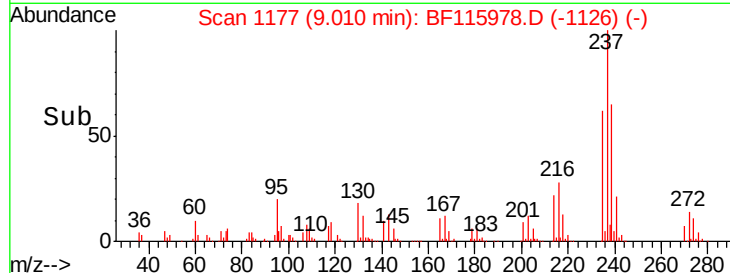
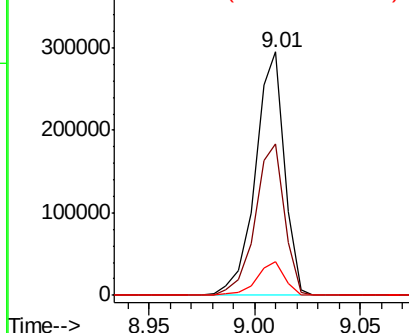
#41
 Hexachlorocyclopentadiene
 Concen: 69.494 ng
 RT: 9.01 min Scan# 1177
 Delta R.T. 0.00 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL04-RC

Tgt Ion:	237	Resp:	282619
Ion Ratio	Lower	Upper	
237	100		
235	62.4	42.5	82.5
272	13.7	0.0	33.3

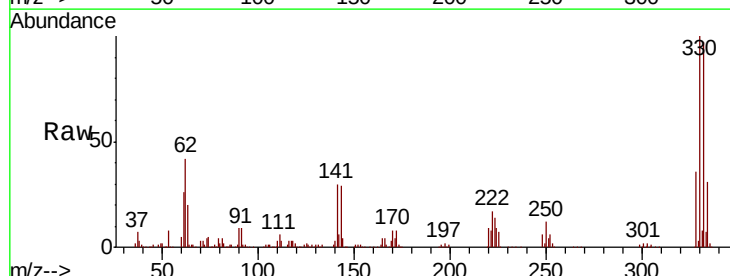


Abundance Ion 236.80 (236.50 to 237.50): E
 Ion 234.90 (234.60 to 235.60): E
 Ion 271.75 (271.45 to 272.45): E

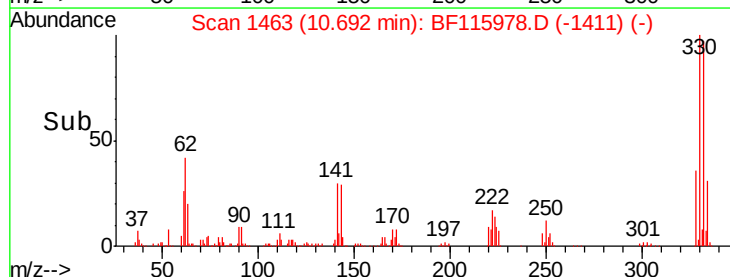
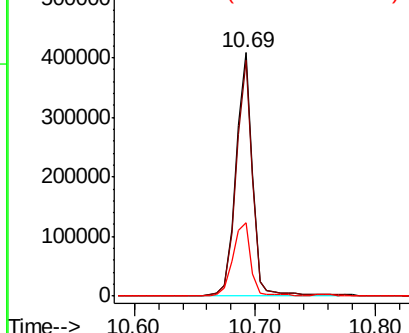


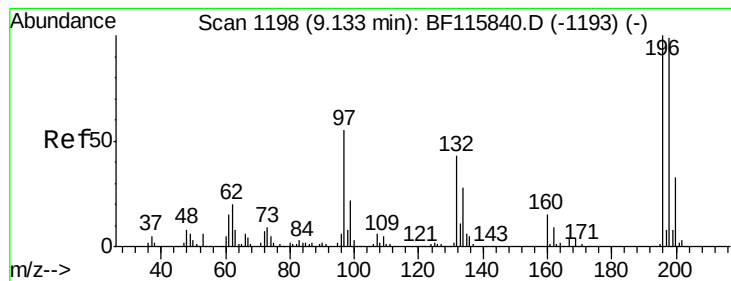
#42
 2,4,6-Tribromophenol
 Concen: 117.712 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. 0.01 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

Tgt Ion:	330	Resp:	391446
Ion Ratio	Lower	Upper	
330	100		
332	97.8	77.7	116.5
141	33.2	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: 43.476 ng

RT: 9.13 min Scan# 1198

Delta R.T. 0.00 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL04-RC

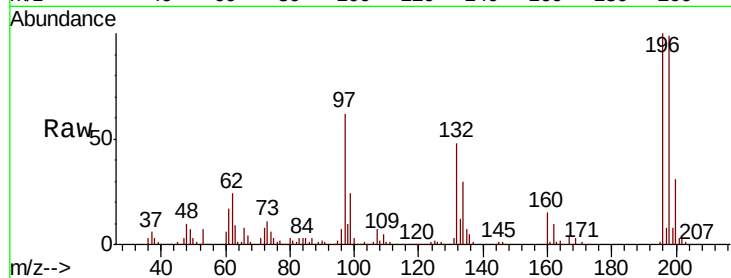
Tgt Ion:196 Resp: 274406

Ion Ratio Lower Upper

196 100

198 99.2 79.1 118.7

200 31.1 26.0 39.0

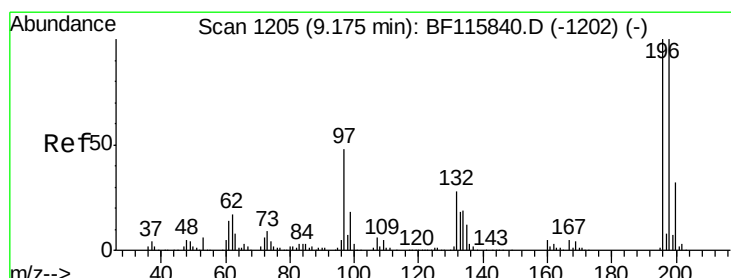
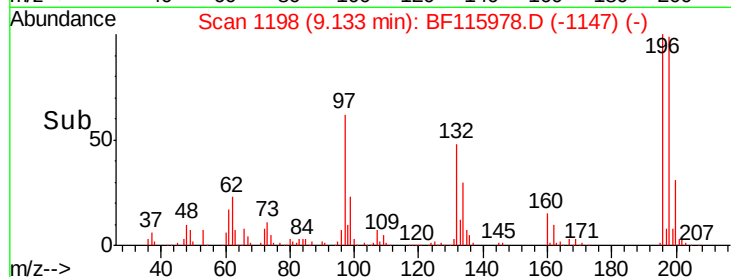
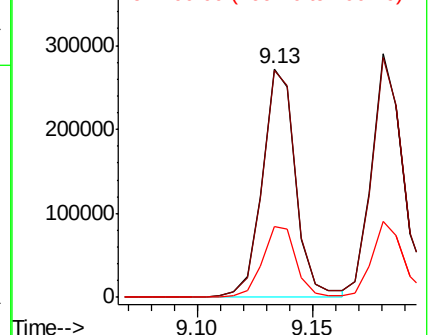


Abundance

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: 45.111 ng

RT: 9.18 min Scan# 1206

Delta R.T. 0.01 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

Tgt Ion:196 Resp: 294318

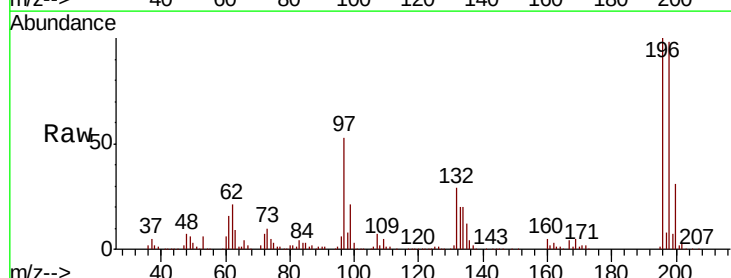
Ion Ratio Lower Upper

196 100

198 98.5 80.1 120.1

97 53.0 38.9 58.3

132 29.4 22.6 33.8



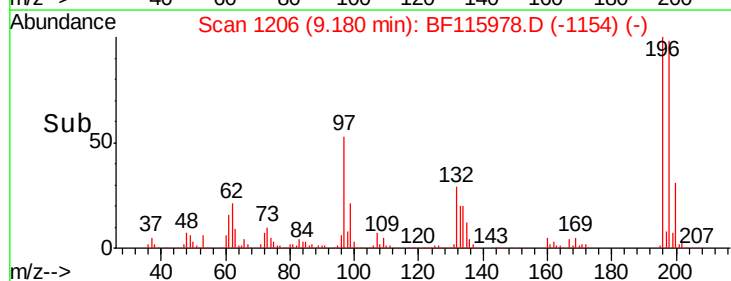
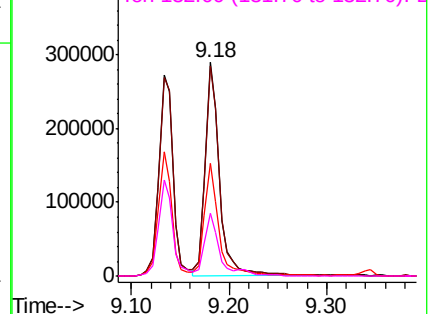
Abundance

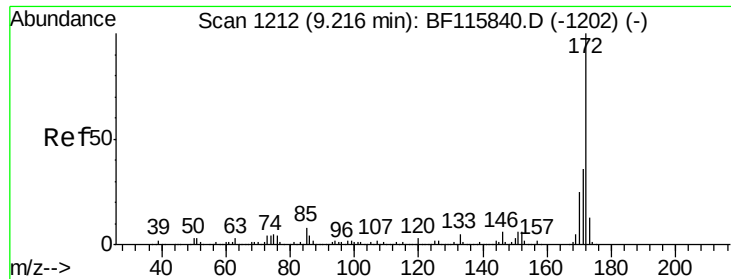
Ion 196.00 (195.70 to 196.70): E

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

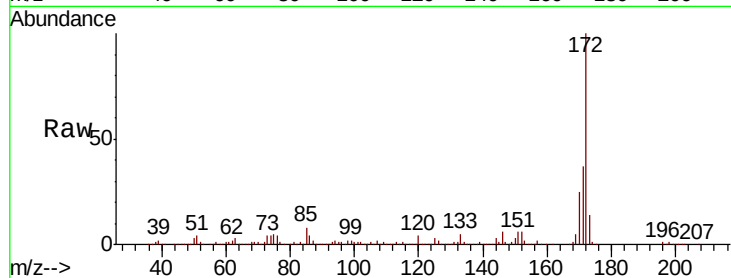




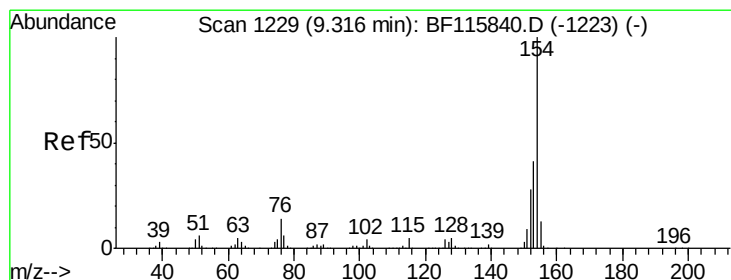
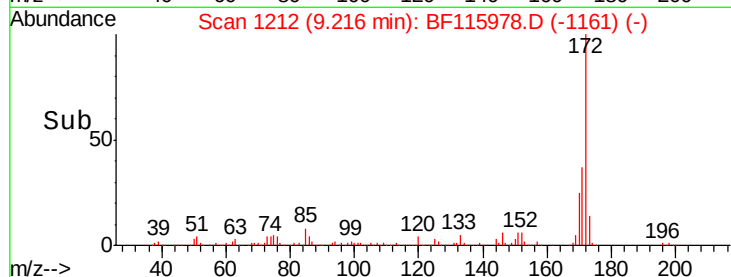
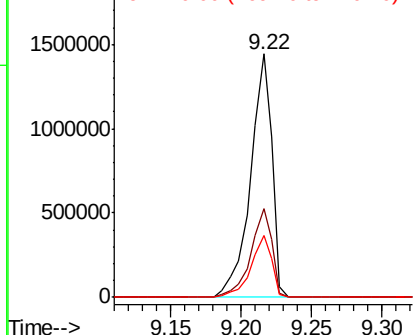
#45
2-Fluorobiphenyl
Concen: 84.088 ng
RT: 9.22 min Scan# 1212
Delta R.T. 0.00 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL04-RC

Tgt Ion:172 Resp: 1539817
Ion Ratio Lower Upper
172 100
171 36.7 29.1 43.7
170 25.3 20.1 30.1

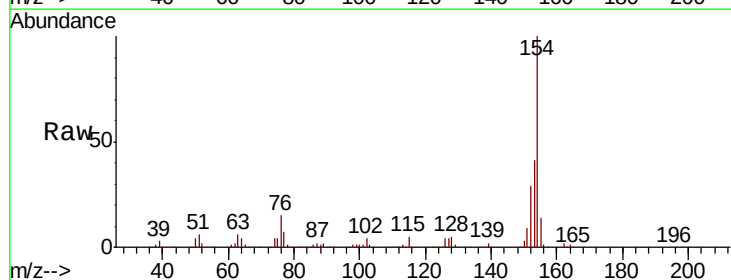


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

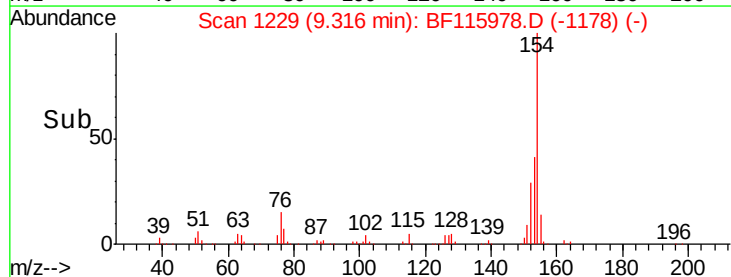
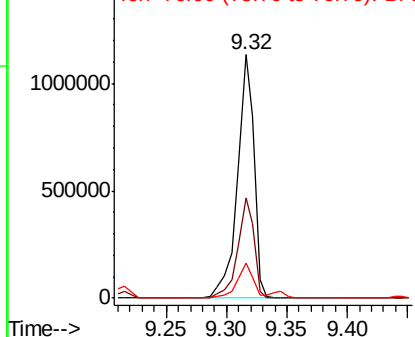


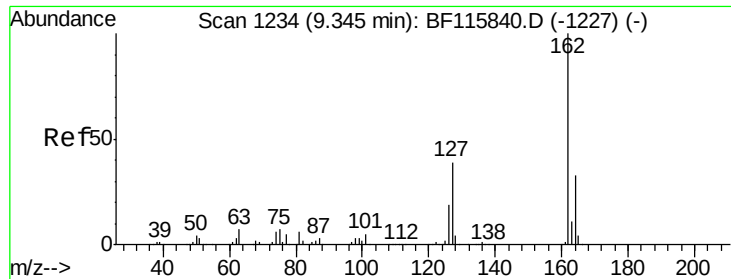
#46
1,1'-Biphenyl
Concen: 44.862 ng
RT: 9.32 min Scan# 1229
Delta R.T. 0.00 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Tgt Ion:154 Resp: 1086345
Ion Ratio Lower Upper
154 100
153 41.1 20.9 60.9
76 14.6 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

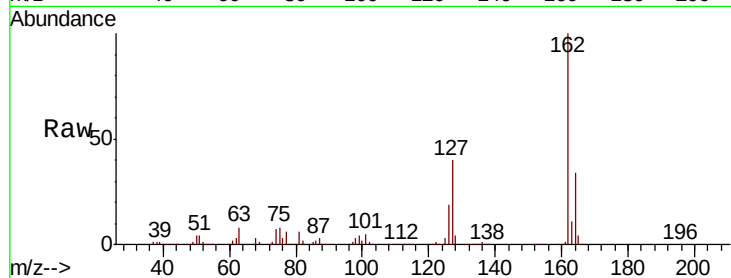




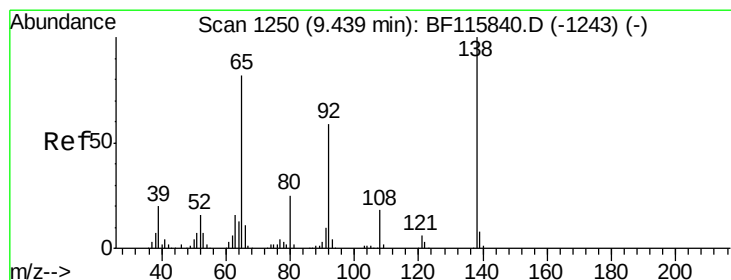
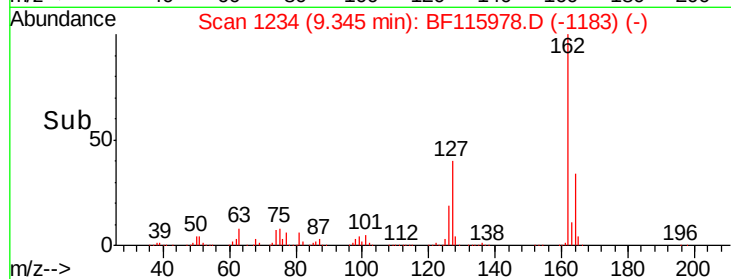
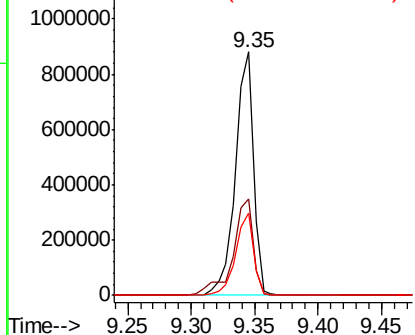
#47
 2-Chloronaphthalene
 Concen: 42.796 ng
 RT: 9.35 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL04-RC

Tgt Ion:	162	Resp:	862527
Ion	Ratio	Lower	Upper
162	100		
127	39.8	31.3	46.9
164	33.9	26.6	40.0

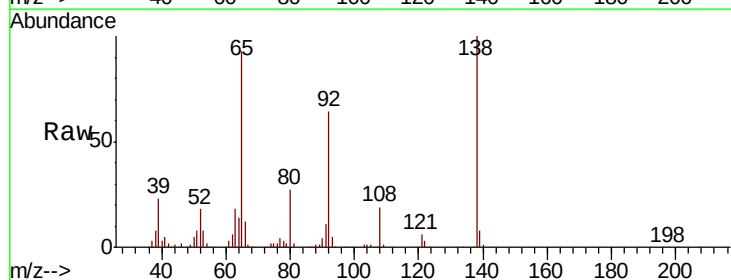


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

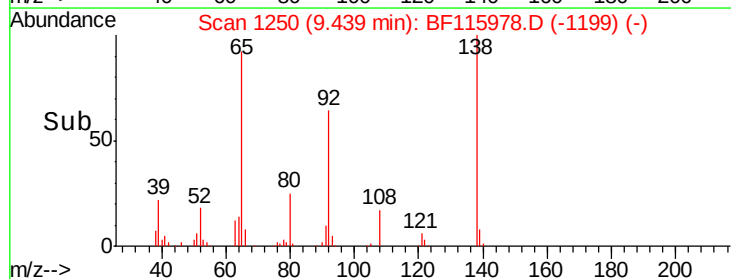
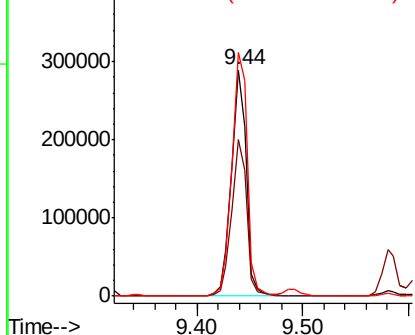


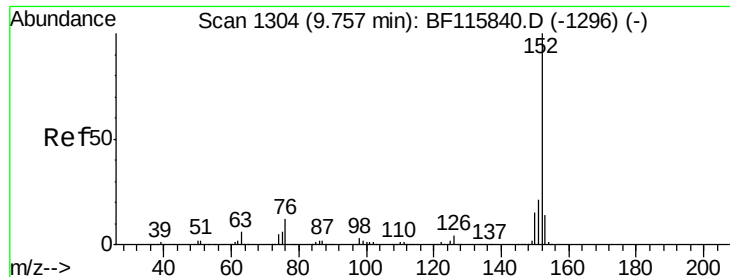
#48
 2-Nitroaniline
 Concen: 42.354 ng
 RT: 9.44 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

Tgt Ion:	65	Resp:	282155
Ion	Ratio	Lower	Upper
65	100		
92	69.2	57.1	85.7
138	107.7	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: 45.009 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.00 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL04-RC

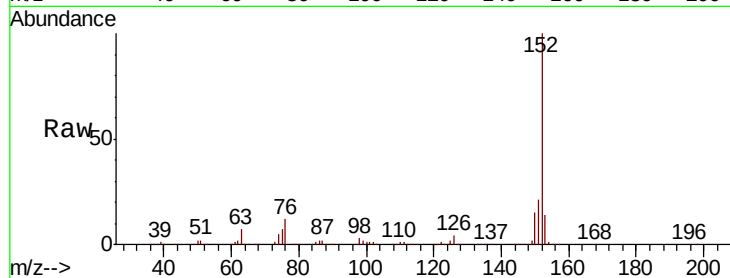
Tgt Ion:152 Resp: 1323425

Ion Ratio Lower Upper

152 100

151 21.1 16.8 25.2

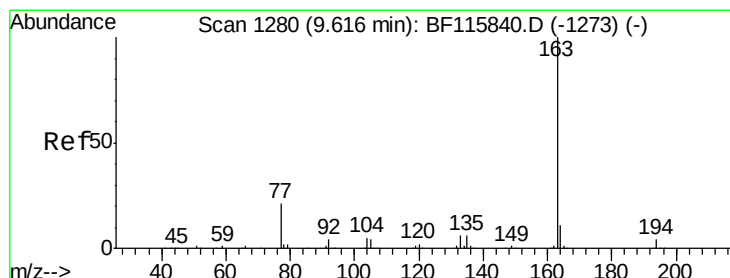
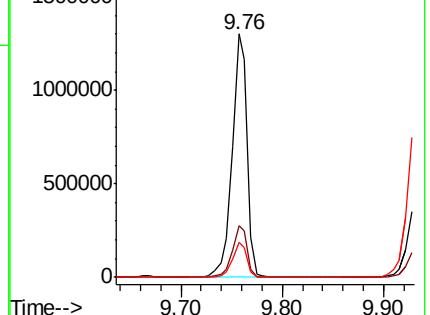
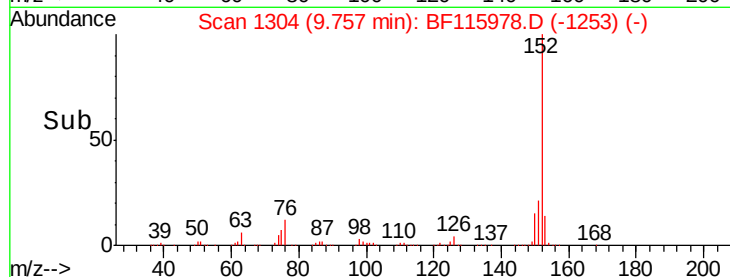
153 14.5 11.6 17.4



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: 45.639 ng

RT: 9.62 min Scan# 1281

Delta R.T. 0.01 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

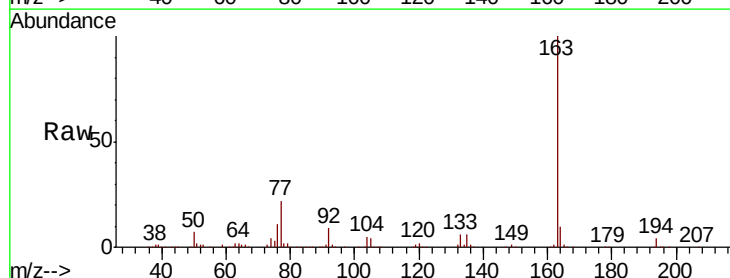
Tgt Ion:163 Resp: 1065859

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

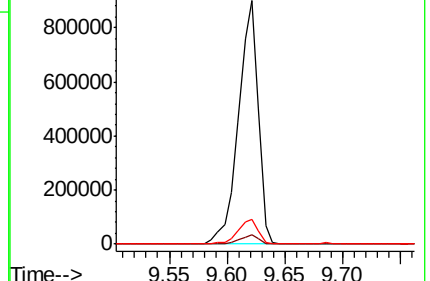
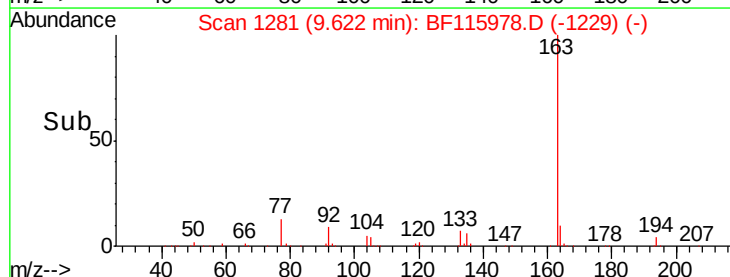
164 10.2 8.4 12.6

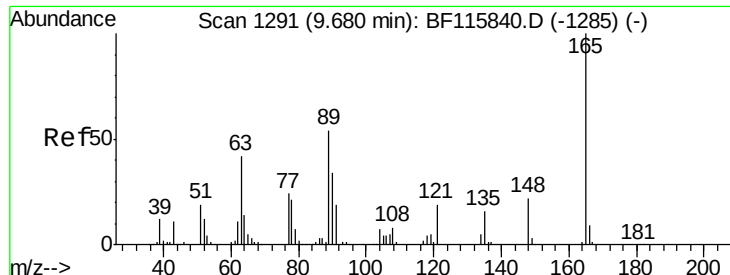


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

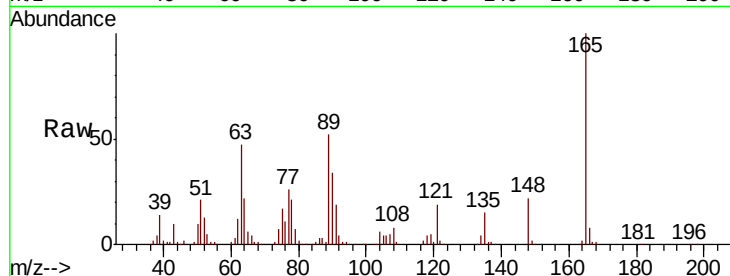




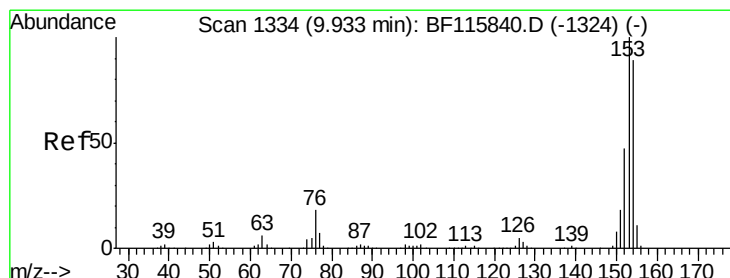
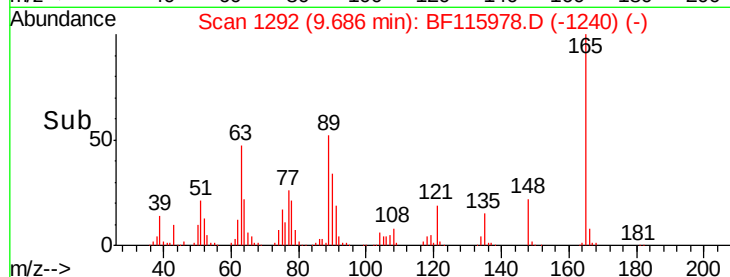
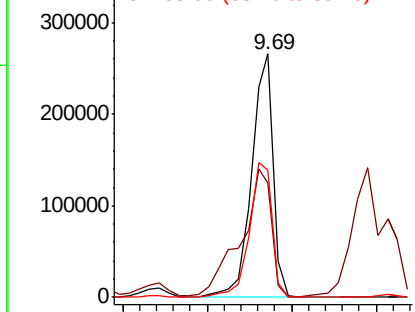
#51
 2,6-Dinitrotoluene
 Concen: 46.882 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL04-RC

Tgt Ion:165 Resp: 237939
 Ion Ratio Lower Upper
 165 100
 63 47.0 39.4 59.2
 89 52.1 43.0 64.6

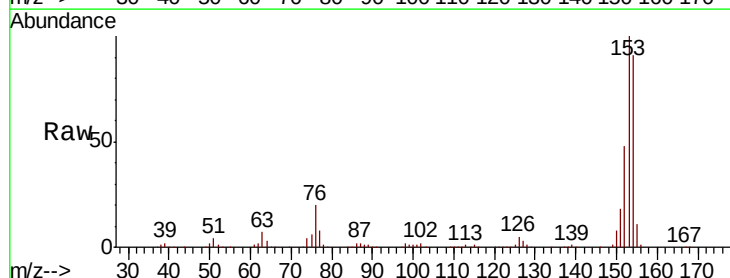


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

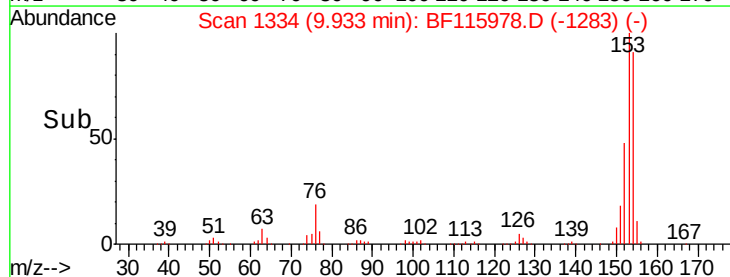
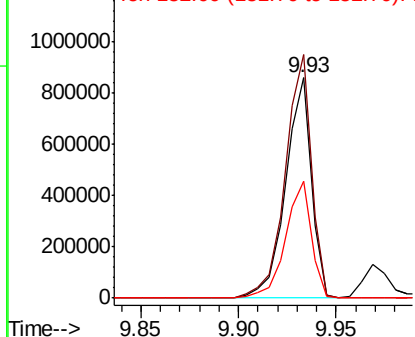


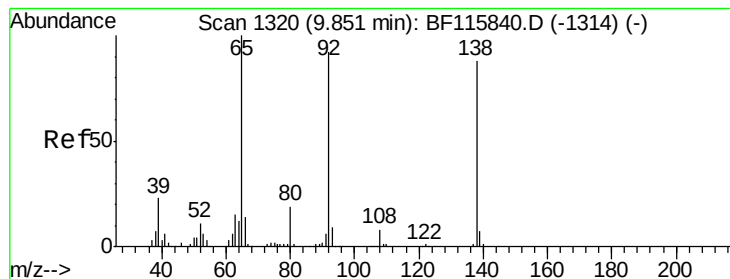
#52
 Acenaphthene
 Concen: 43.768 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

Tgt Ion:154 Resp: 789522
 Ion Ratio Lower Upper
 154 100
 153 110.4 90.1 135.1
 152 53.0 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: 30.544 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.00 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL04-RC

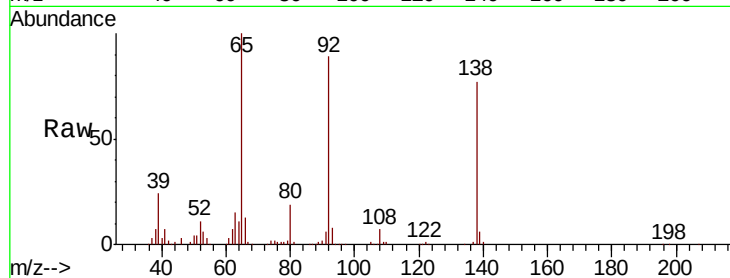
Tgt Ion:138 Resp: 191548

Ion Ratio Lower Upper

138 100

108 9.7 7.4 11.2

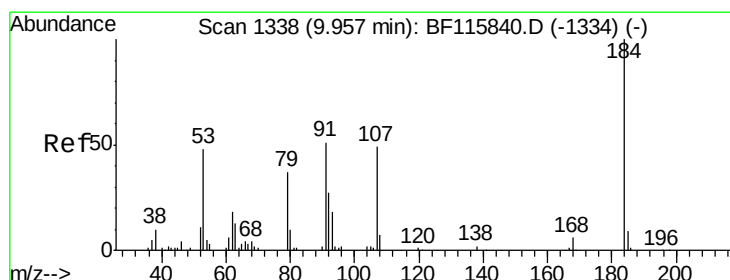
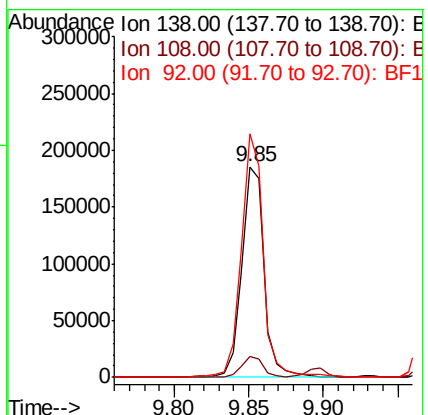
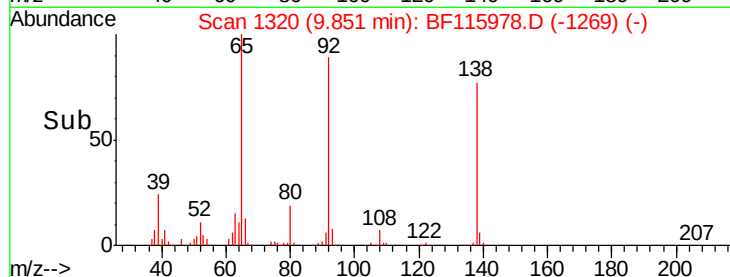
92 115.4 83.9 125.9



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: 79.962 ng

RT: 9.97 min Scan# 1340

Delta R.T. 0.01 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

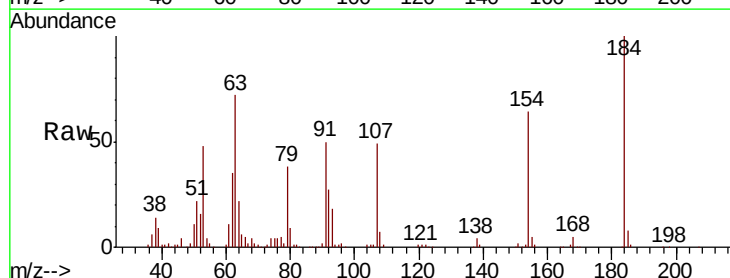
Tgt Ion:184 Resp: 206400

Ion Ratio Lower Upper

184 100

63 72.0 56.7 85.1

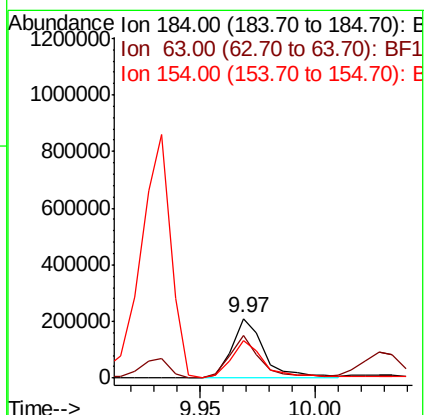
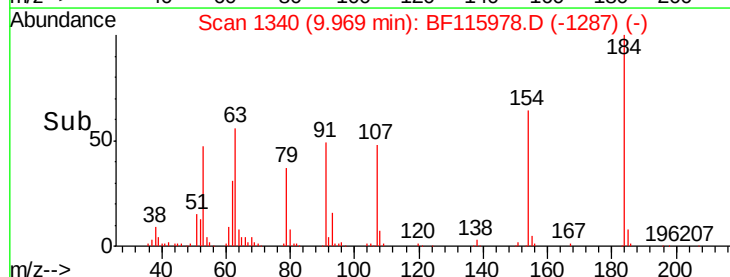
154 63.5 51.9 77.9

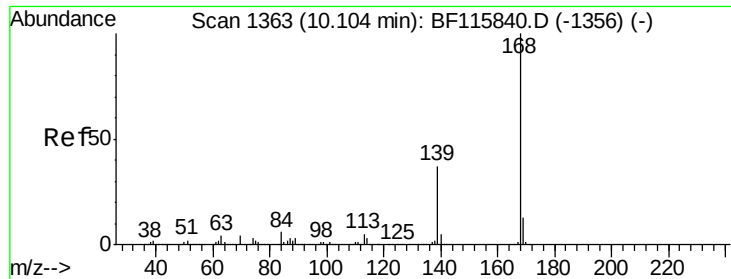


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

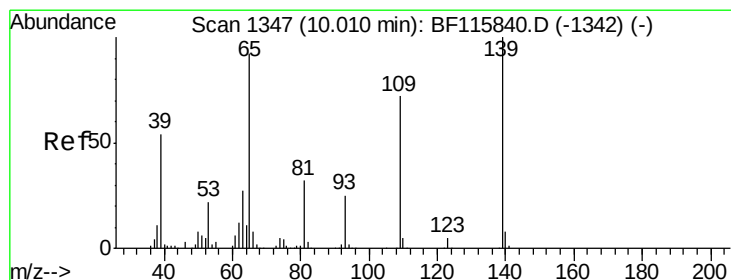
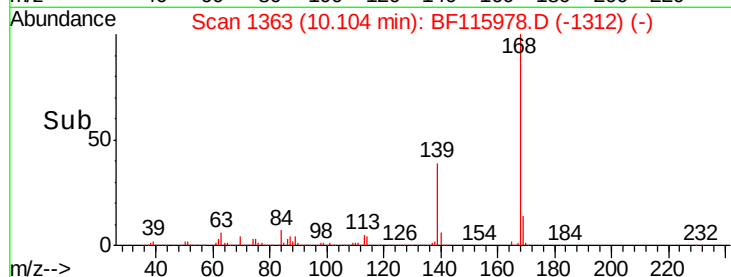
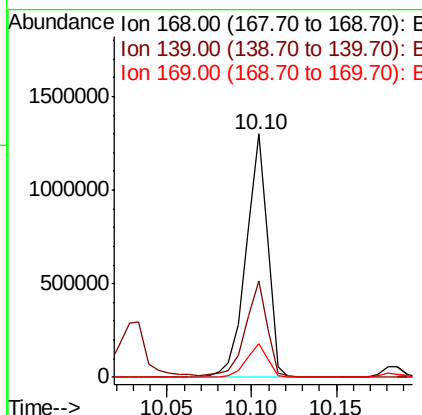
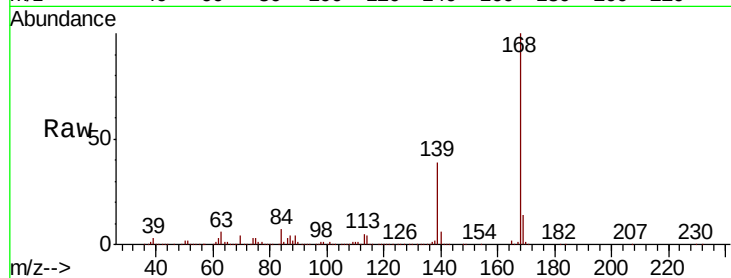




#55
Dibenzenofuran
Concen: 44.540 ng
RT: 10.10 min Scan# 1363
Delta R.T. 0.00 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

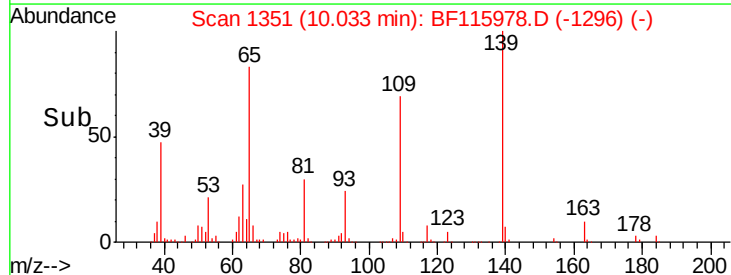
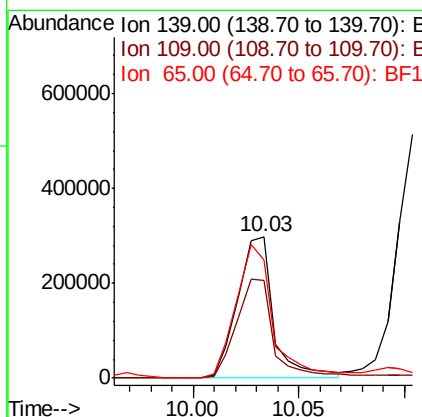
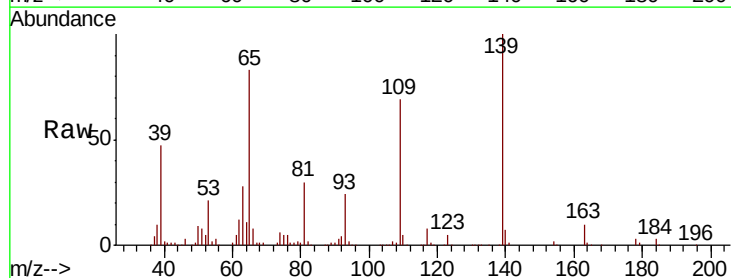
Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL04-RC

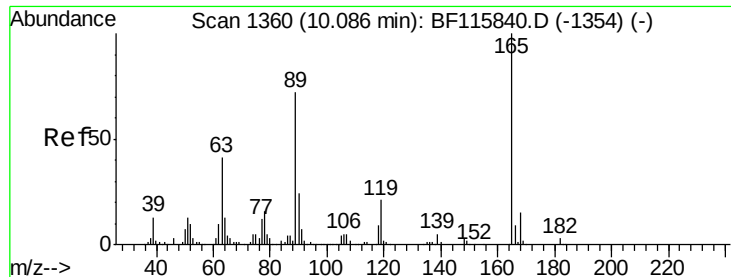
Tgt Ion:168 Resp: 1168412
Ion Ratio Lower Upper
168 100
139 39.5 30.2 45.2
169 14.0 10.8 16.2



#56
4-Nitrophenol
Concen: 88.077 ng
RT: 10.03 min Scan# 1351
Delta R.T. 0.02 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Tgt Ion:139 Resp: 353832
Ion Ratio Lower Upper
139 100
109 69.1 52.0 92.0
65 83.1 72.6 112.6

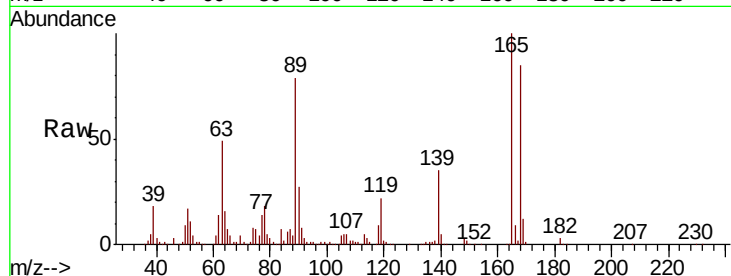




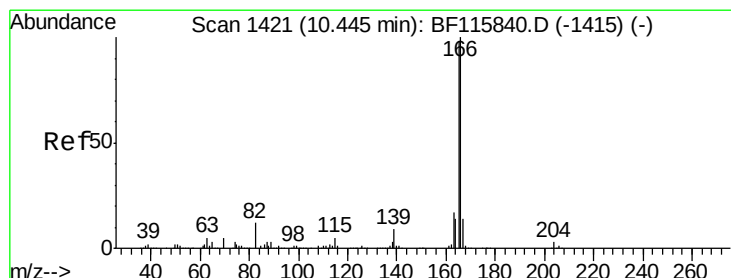
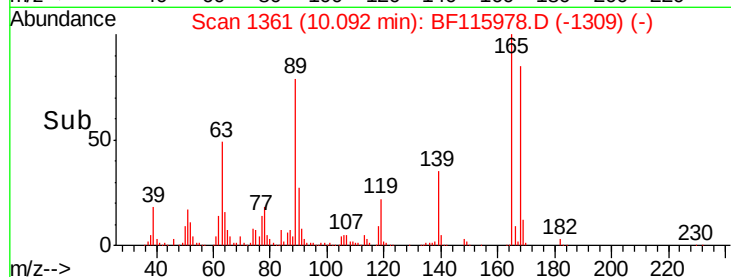
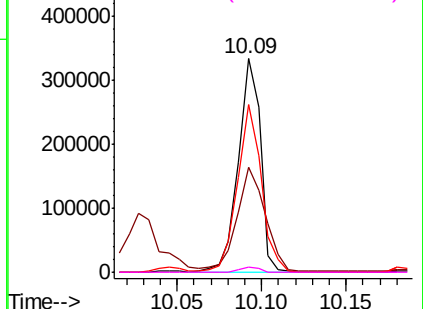
#57
 2,4-Dinitrotoluene
 Concen: 45.221 ng
 RT: 10.09 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL04-RC

Tgt Ion:	165	Resp:	305572
Ion	Ratio	Lower	Upper
165	100		
63	49.2	33.2	49.8
89	78.7	57.3	85.9
182	2.7	2.1	3.1

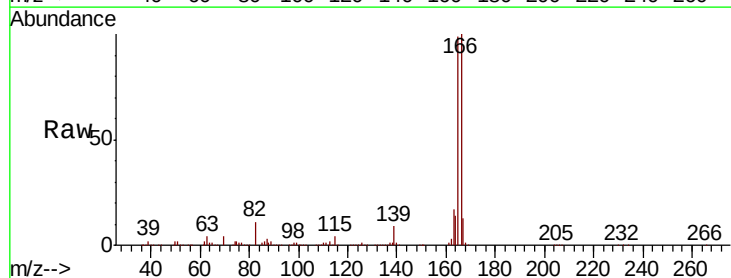


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

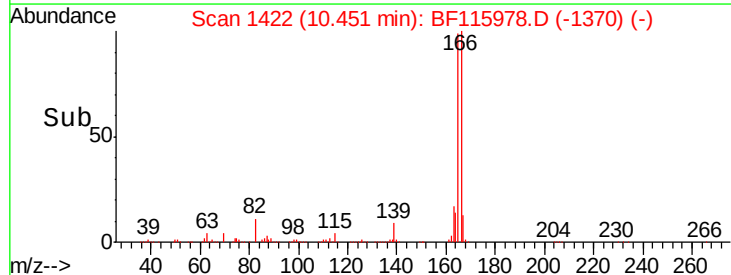
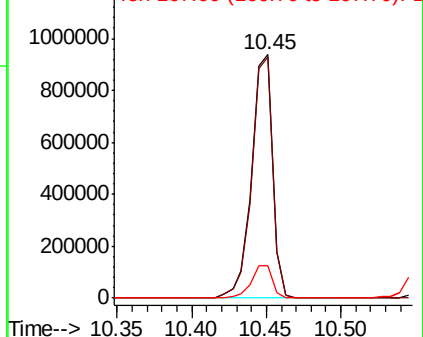


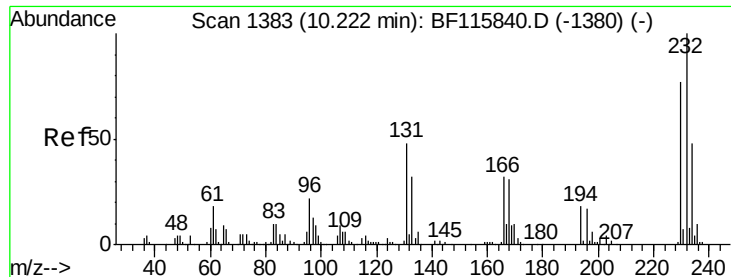
#58
 Fluorene
 Concen: 44.790 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. 0.01 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

Tgt Ion:	166	Resp:	903984
Ion	Ratio	Lower	Upper
166	100		
165	98.8	78.6	118.0
167	13.3	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

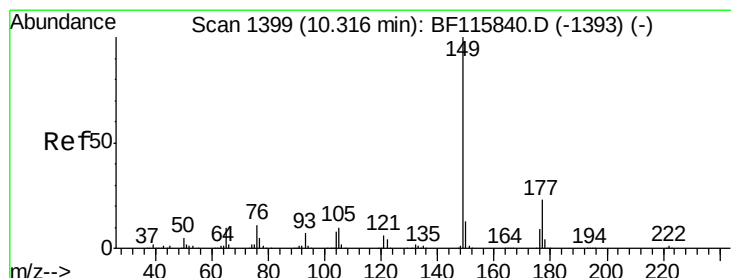
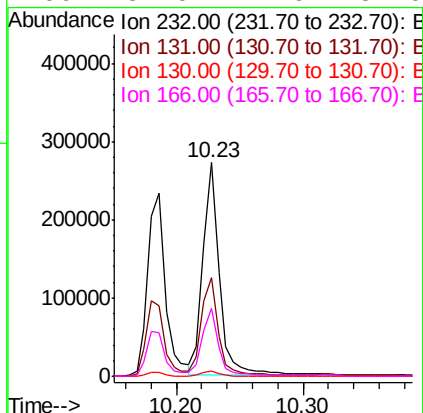
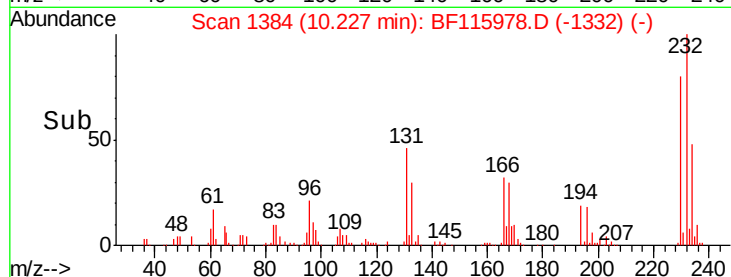
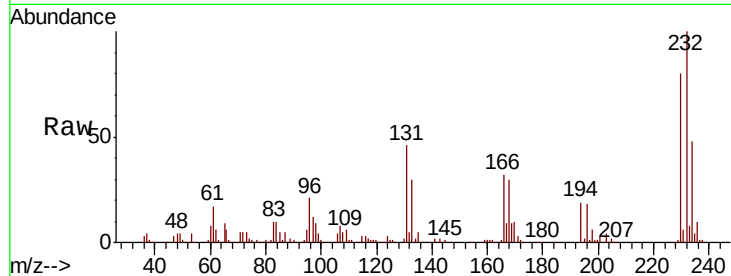




#59
2,3,4,6-Tetrachlorophenol
Concen: 45.159 ng
RT: 10.23 min Scan# 1384
Delta R.T. 0.01 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

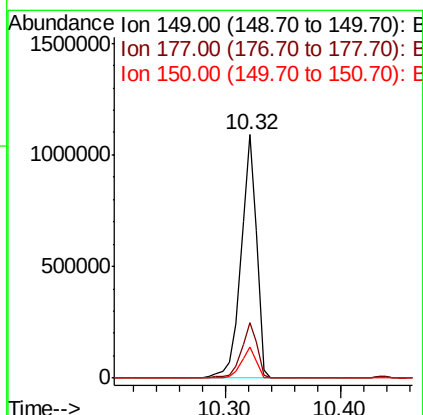
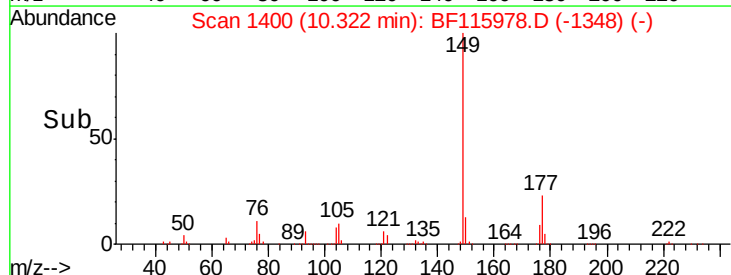
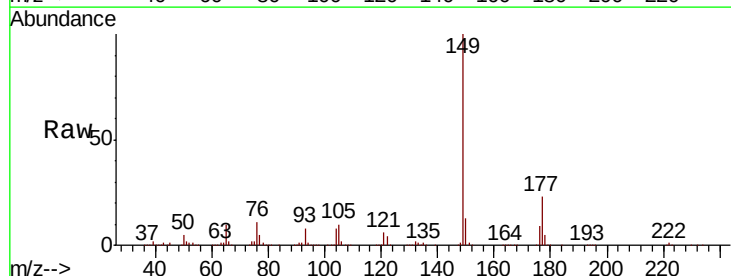
Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL04-RC

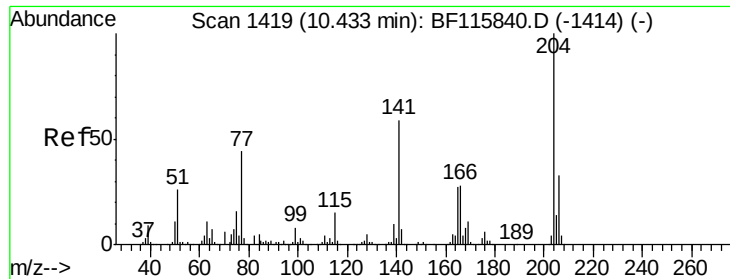
Tgt Ion: 232 Resp: 247878
Ion Ratio Lower Upper
232 100
131 48.2 37.6 56.4
130 2.6 1.8 2.8
166 31.0 24.6 37.0



#60
Diethylphthalate
Concen: 46.542 ng
RT: 10.32 min Scan# 1400
Delta R.T. 0.01 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Tgt Ion: 149 Resp: 1014815
Ion Ratio Lower Upper
149 100
177 22.9 18.4 27.6
150 12.9 10.1 15.1

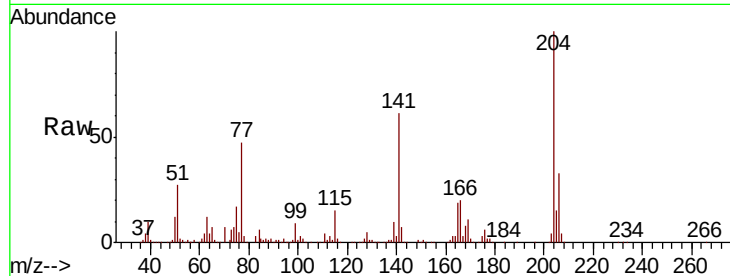




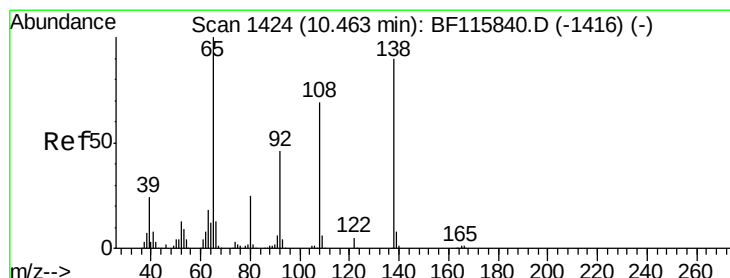
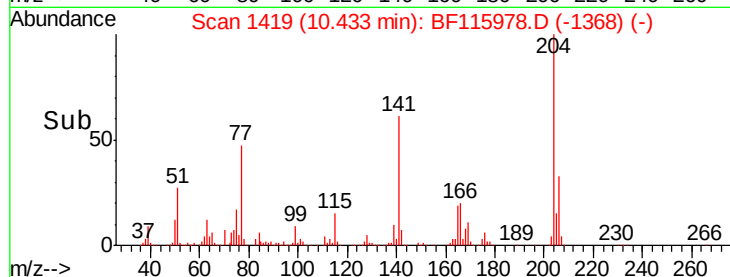
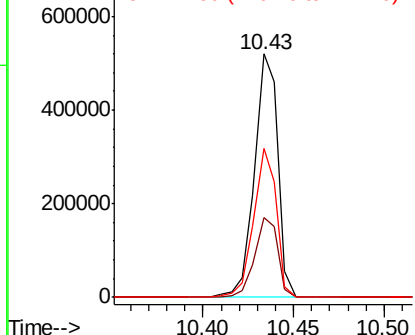
#61
4-Chlorophenyl-phenylether
Concen: 45.446 ng
RT: 10.43 min Scan# 1419
Delta R.T. 0.00 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL04-RC

Tgt Ion:204 Resp: 464534
Ion Ratio Lower Upper
204 100
206 32.7 26.4 39.6
141 61.2 47.0 70.4

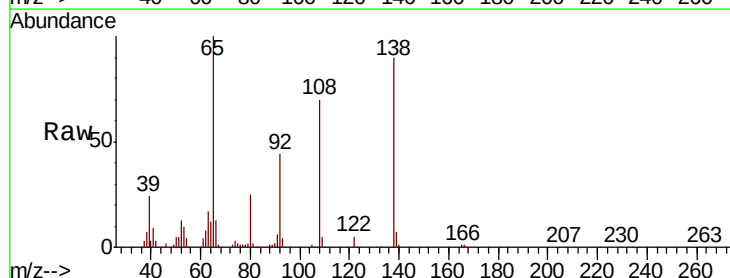


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

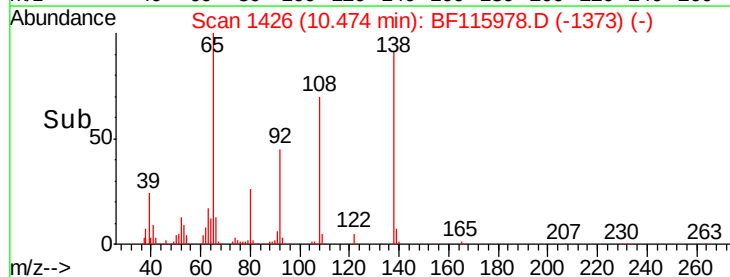
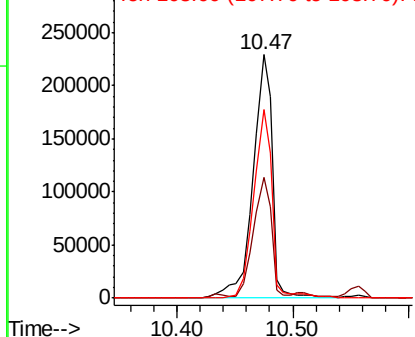


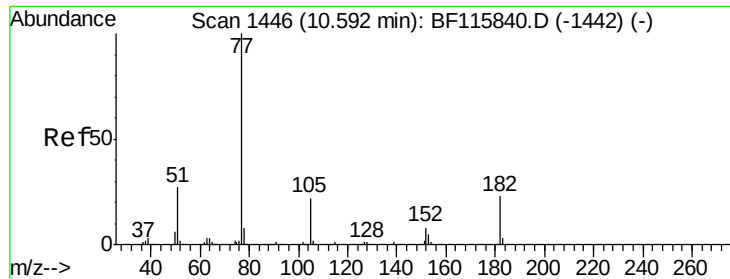
#62
4-Nitroaniline
Concen: 41.197 ng
RT: 10.47 min Scan# 1426
Delta R.T. 0.01 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Tgt Ion:138 Resp: 266993
Ion Ratio Lower Upper
138 100
92 49.4 31.0 71.0
108 77.3 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: 46.212 ng

RT: 10.60 min Scan# 1447

Delta R.T. 0.01 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL04-RC

Tgt Ion: 77 Resp: 1036399

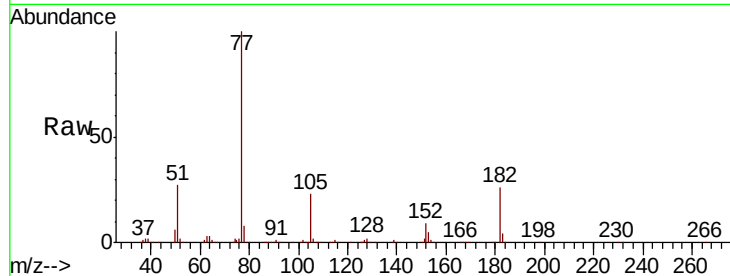
Ion Ratio Lower Upper

77 100

182 25.5 2.6 42.6

105 22.6 1.6 41.6

51 27.1 7.4 47.4

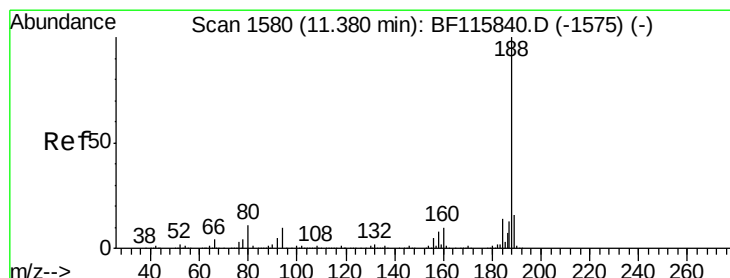
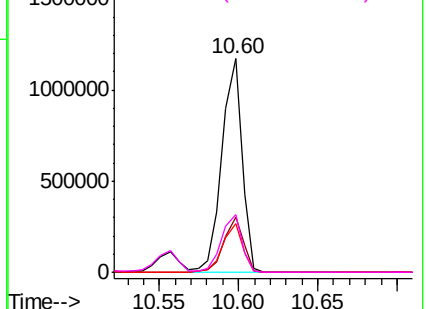
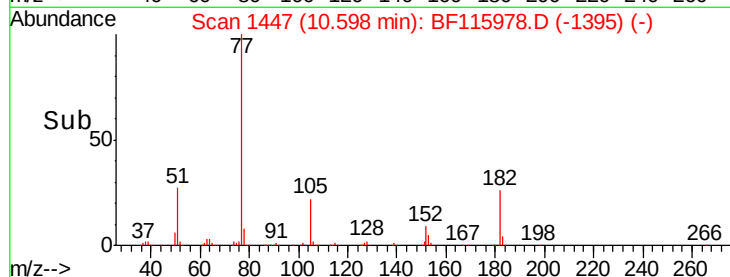


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: BF115978.D

Acq: 3 Aug 2019 13:43

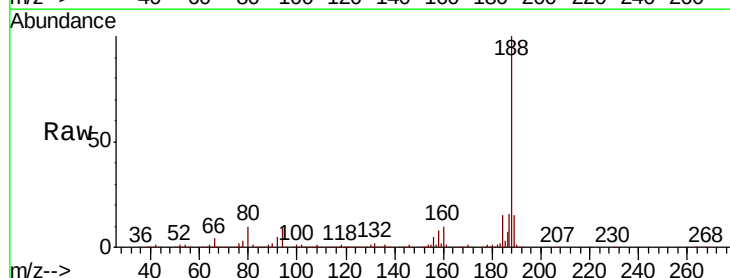
Tgt Ion: 188 Resp: 606741

Ion Ratio Lower Upper

188 100

94 9.4 8.0 12.0

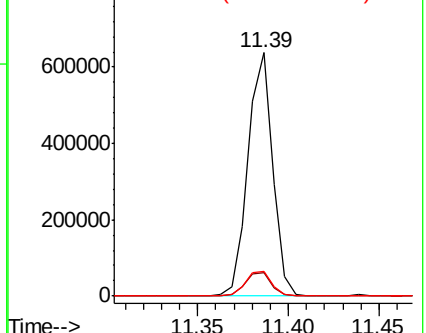
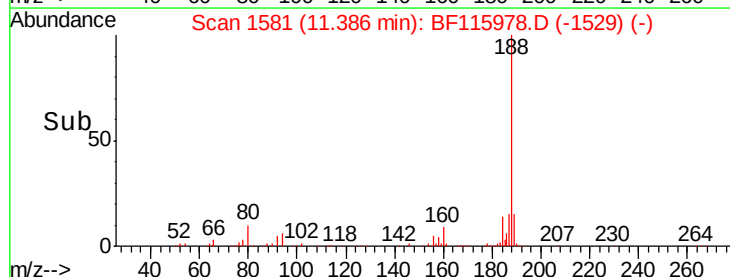
80 10.1 8.6 12.8

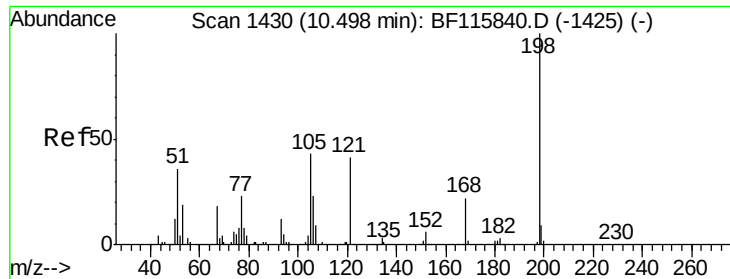


Abundance Ion 188.00 (187.70 to 188.70): E

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: 48.135 ng

RT: 10.51 min Scan# 1432

Delta R.T. 0.01 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL04-RC

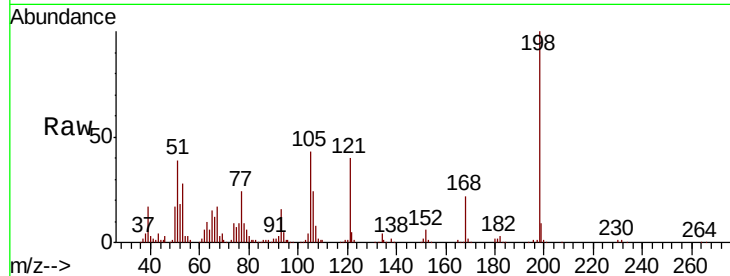
Tgt Ion:198 Resp: 154770

Ion Ratio Lower Upper

198 100

51 38.7 21.1 61.1

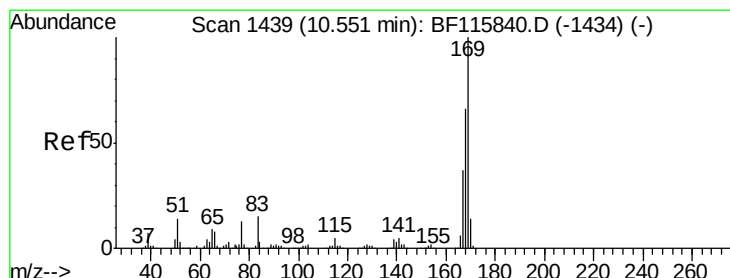
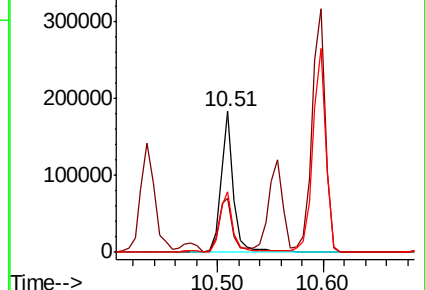
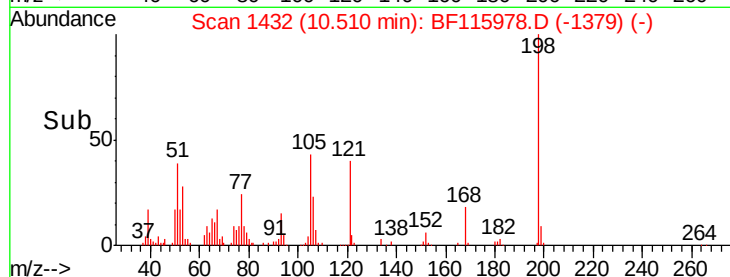
105 42.9 24.5 64.5



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 46.056 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.01 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

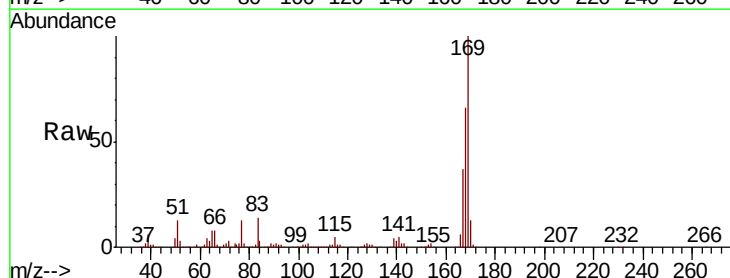
Tgt Ion:169 Resp: 841082

Ion Ratio Lower Upper

169 100

168 66.2 53.0 79.6

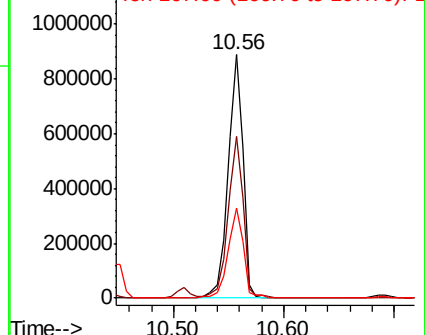
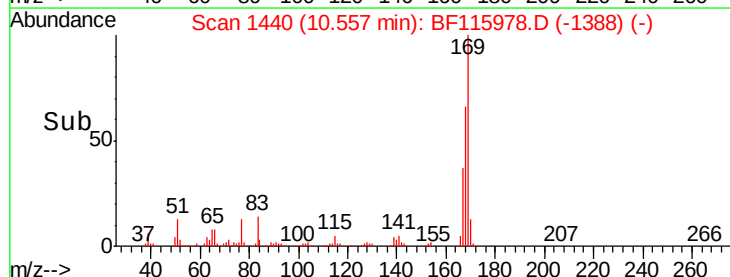
167 37.1 29.9 44.9

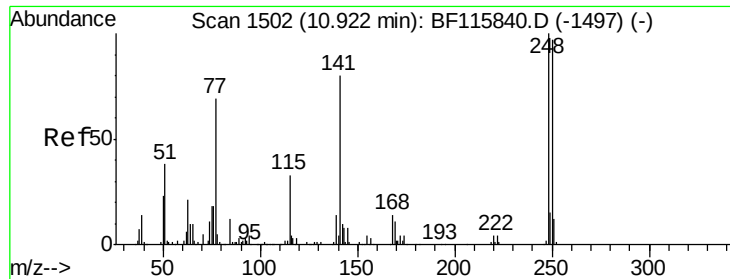


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

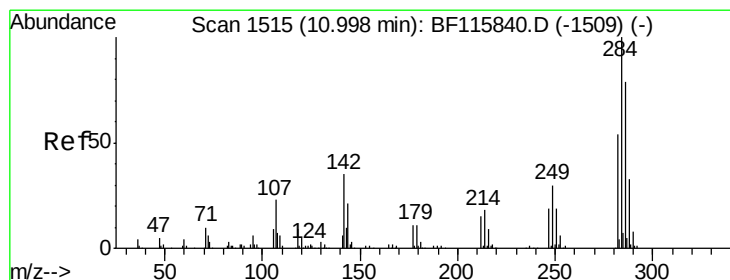
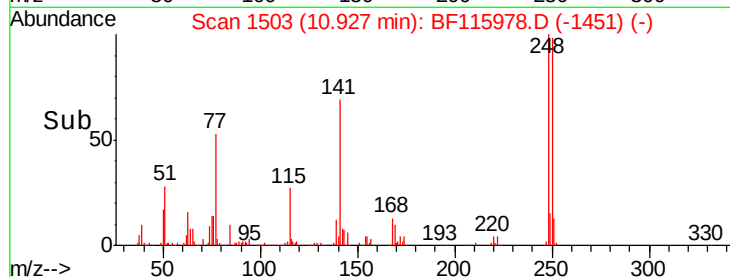
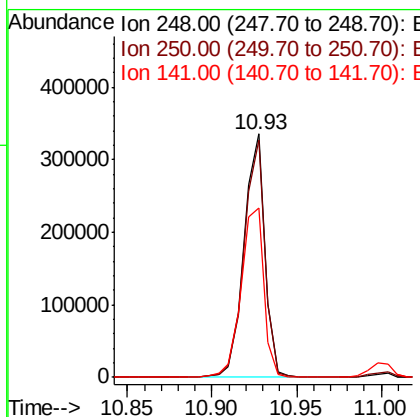
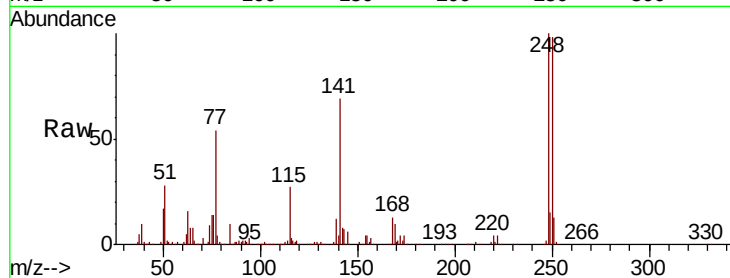




#67
4-Bromophenyl-phenylether
Concen: 44.829 ng
RT: 10.93 min Scan# 1503
Delta R.T. 0.01 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

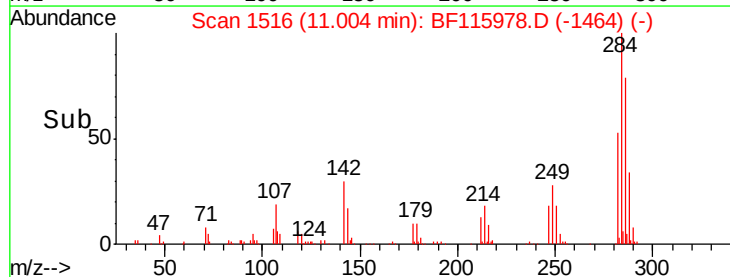
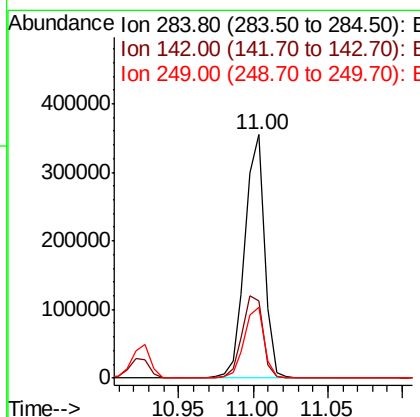
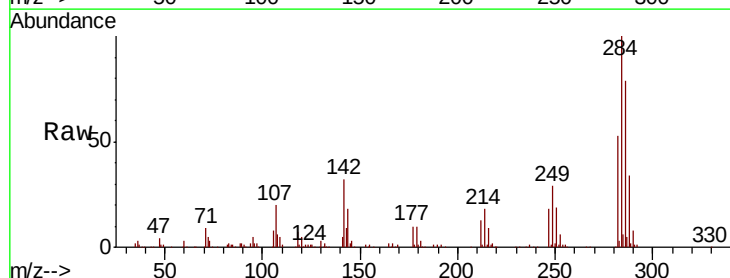
Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL04-RC

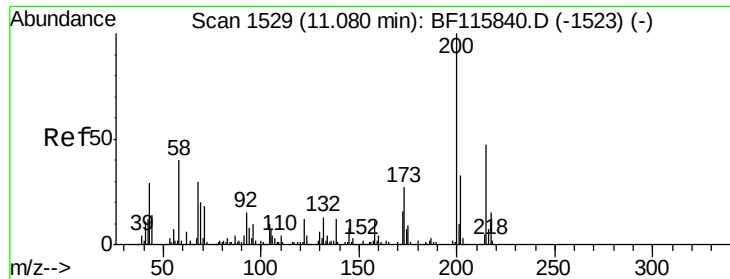
Tgt Ion:248 Resp: 291168
Ion Ratio Lower Upper
248 100
250 97.6 77.8 116.6
141 69.4 64.3 96.5



#68
Hexachlorobenzene
Concen: 43.375 ng
RT: 11.00 min Scan# 1516
Delta R.T. 0.01 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Tgt Ion:284 Resp: 325774
Ion Ratio Lower Upper
284 100
142 31.8 28.2 42.2
249 29.3 24.0 36.0

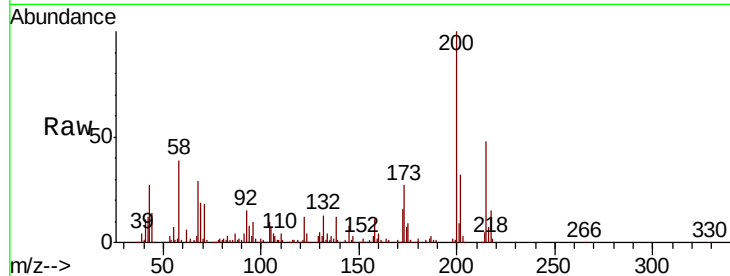




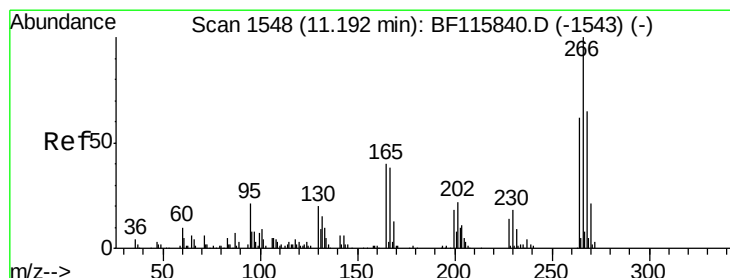
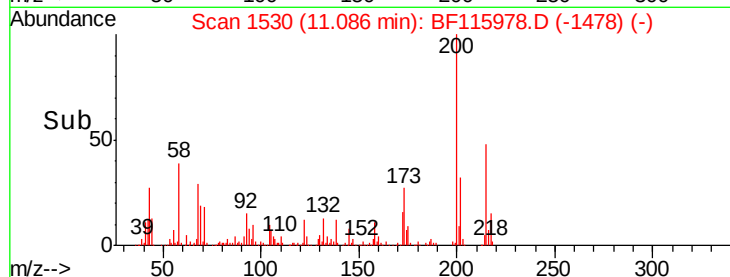
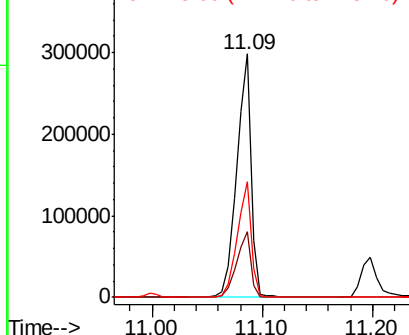
#69
 Atrazine
 Concen: 45.729 ng
 RT: 11.09 min Scan# 1530
 Delta R.T. 0.01 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL04-RC

Tgt Ion	Ratio	Lower	Upper
200	100		
173	27.1	7.3	47.3
215	47.6	26.9	66.9

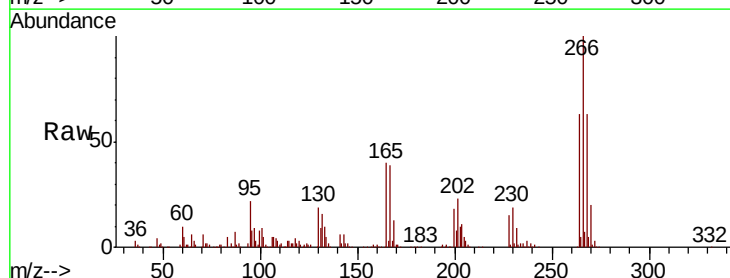


Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

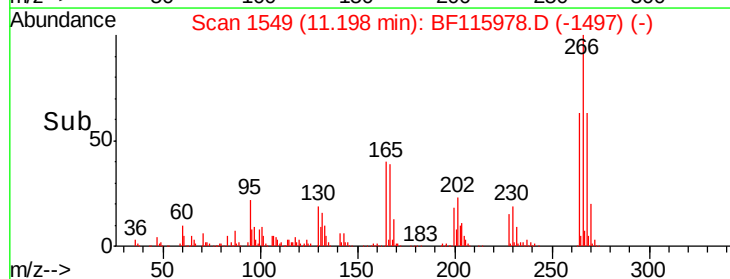
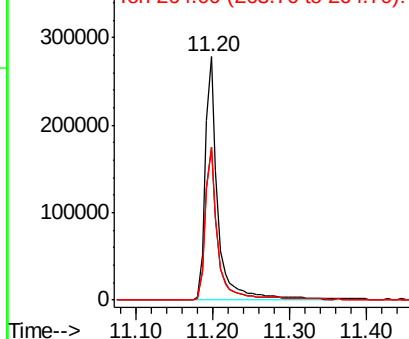


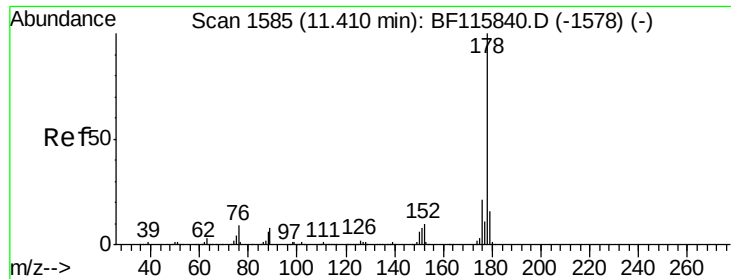
#70
 Pentachlorophenol
 Concen: 87.133 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. 0.01 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

Tgt Ion	Ratio	Lower	Upper
266	100		
268	62.7	51.6	77.4
264	63.0	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: 43.773 ng

RT: 11.41 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL04-RC

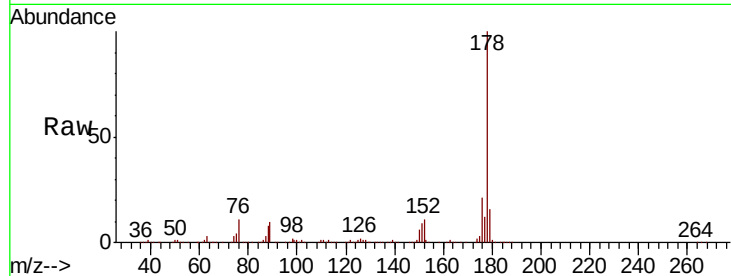
Tgt Ion:178 Resp: 1357749

Ion Ratio Lower Upper

178 100

176 20.8 16.5 24.7

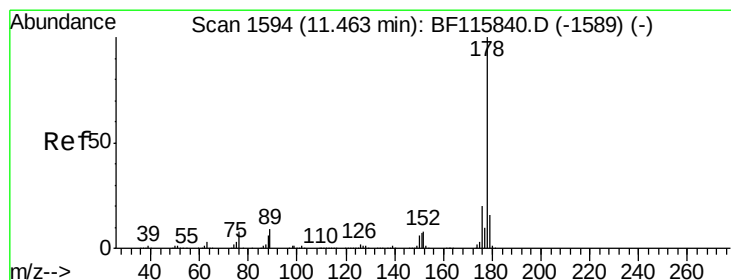
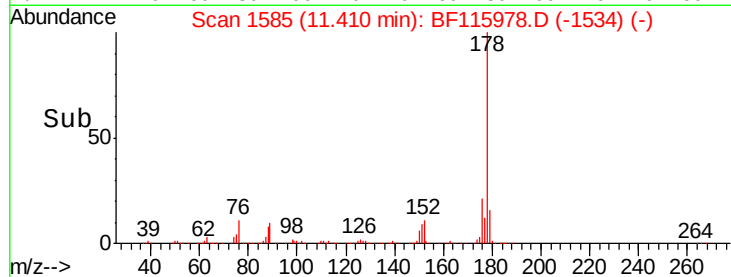
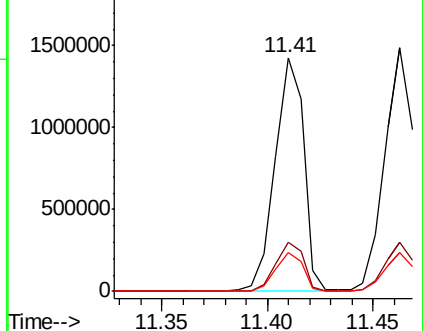
179 16.3 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 45.159 ng

RT: 11.46 min Scan# 1594

Delta R.T. 0.00 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

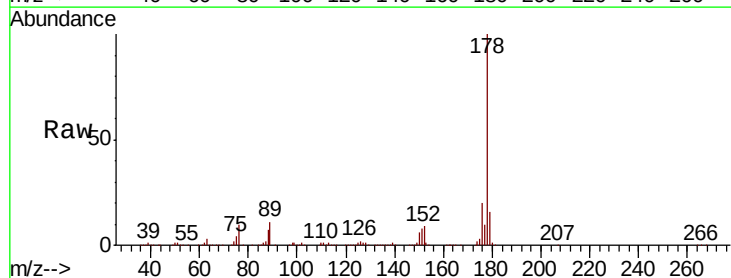
Tgt Ion:178 Resp: 1417601

Ion Ratio Lower Upper

178 100

176 20.2 15.7 23.5

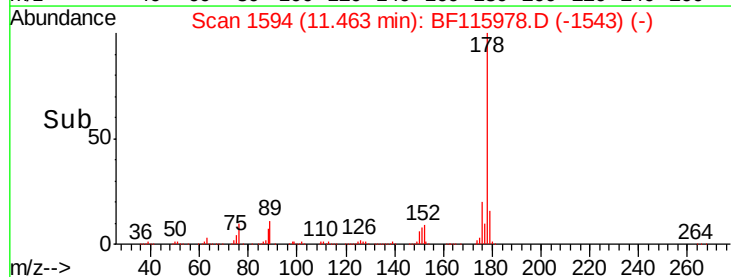
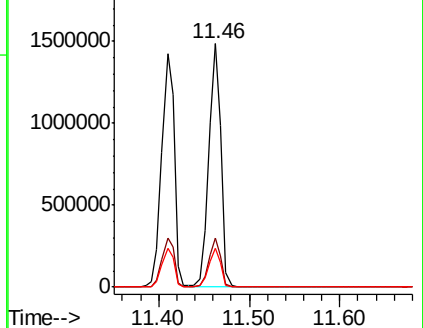
179 15.9 12.4 18.6

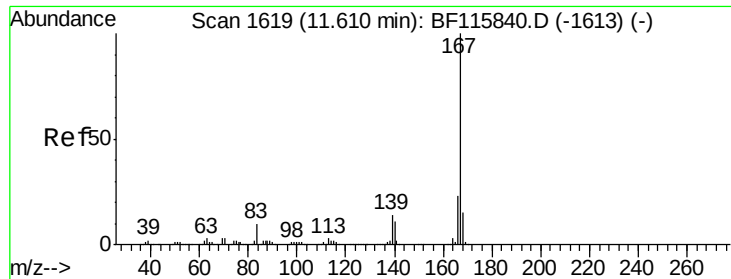


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 44.524 ng

RT: 11.62 min Scan# 1620

Delta R.T. 0.01 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL04-RC

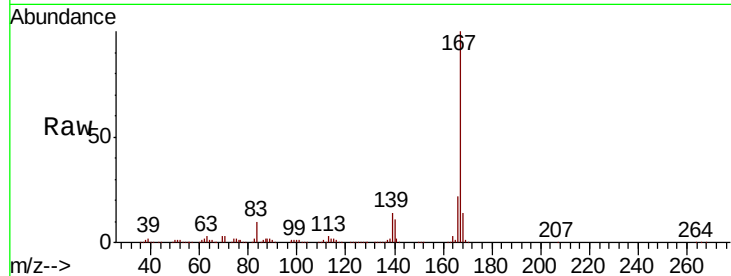
Tgt Ion:167 Resp: 1268024

Ion Ratio Lower Upper

167 100

166 22.4 18.0 27.0

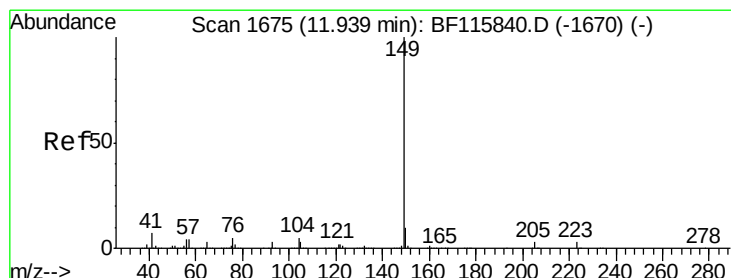
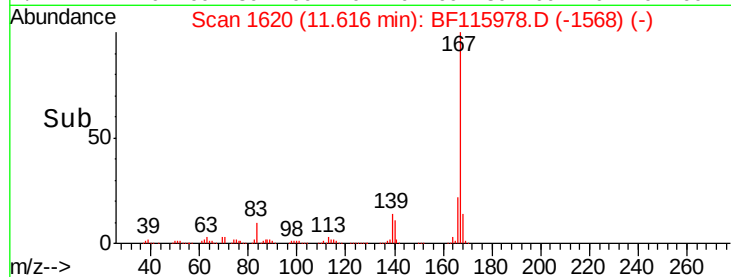
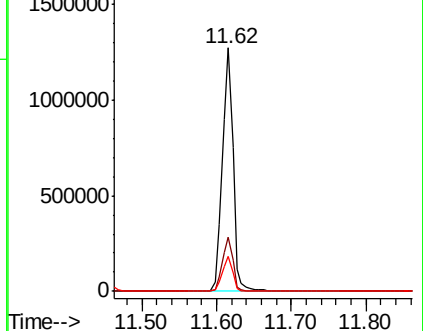
139 14.2 11.4 17.2



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 46.791 ng

RT: 11.94 min Scan# 1675

Delta R.T. 0.00 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

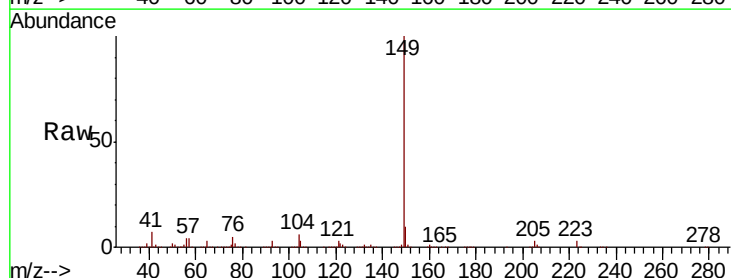
Tgt Ion:149 Resp: 1554524

Ion Ratio Lower Upper

149 100

150 10.0 7.7 11.5

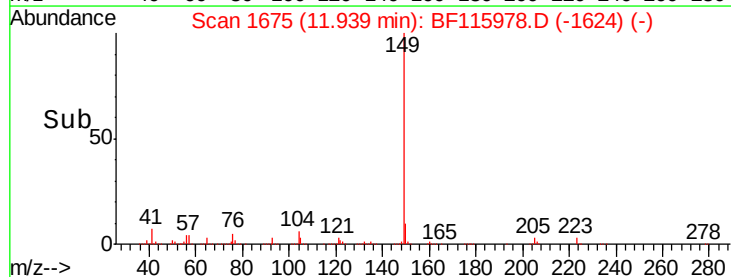
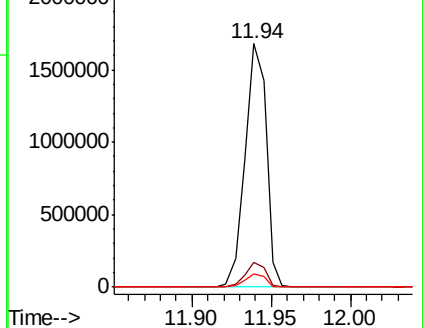
104 5.5 4.3 6.5

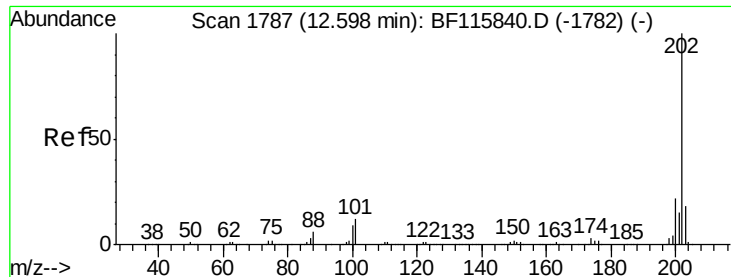


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

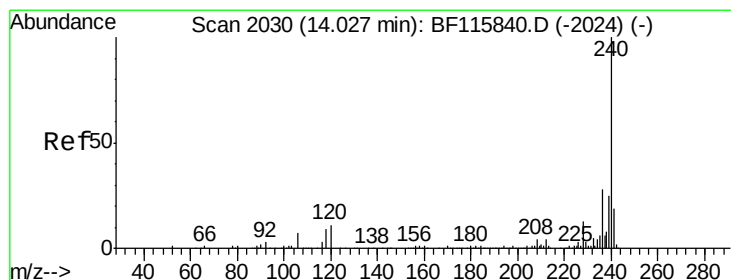
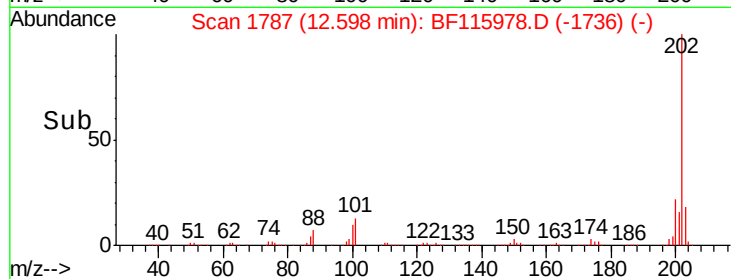
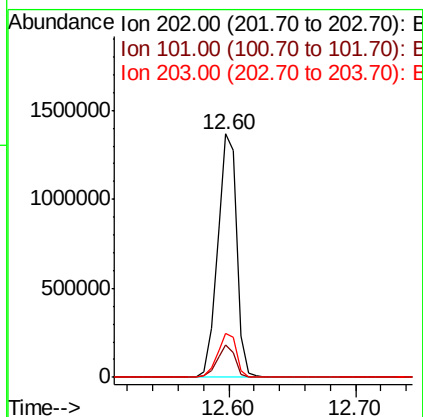
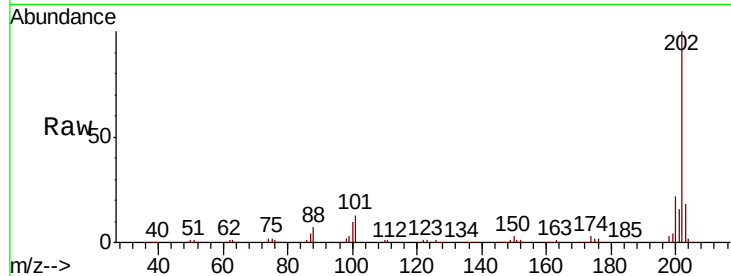




#75
 Fluoranthene
 Concen: 44.332 ng
 RT: 12.60 min Scan# 1787
 Delta R.T. 0.00 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

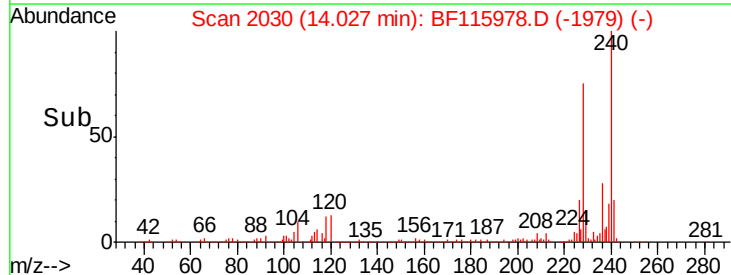
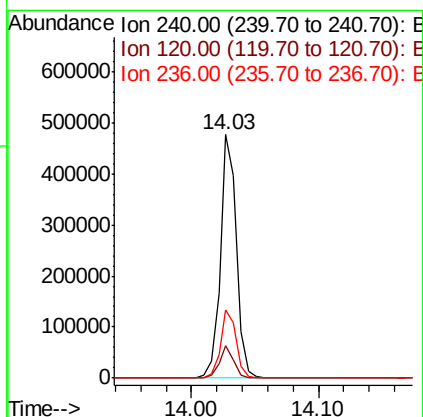
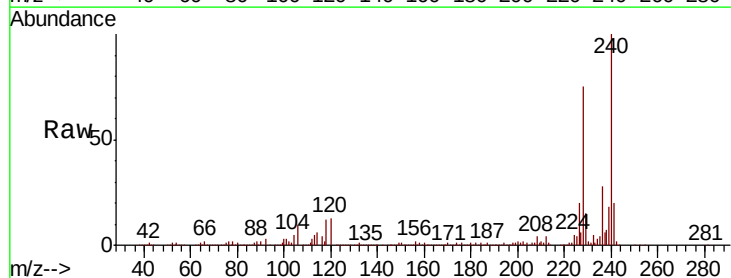
Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL04-RC

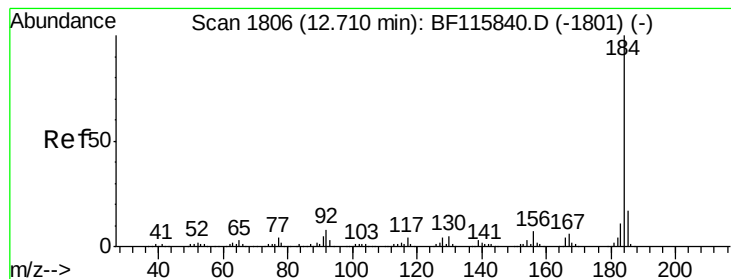
Tgt Ion: 202 Resp: 1439569
 Ion Ratio Lower Upper
 202 100
 101 13.3 0.0 31.5
 203 18.2 0.0 37.9



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: BF115978.D
 Acq: 3 Aug 2019 13:43

Tgt Ion: 240 Resp: 421117
 Ion Ratio Lower Upper
 240 100
 120 13.3 8.5 12.7#
 236 27.8 22.2 33.2





#77

Benzidine

Concen: 49.199 ng

RT: 12.72 min Scan# 1807

Delta R.T. 0.01 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL04-RC

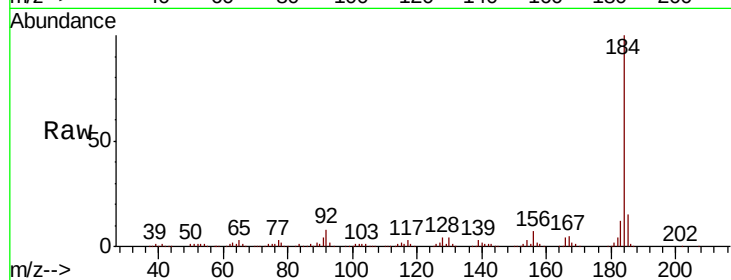
Tgt Ion:184 Resp: 699965

Ion Ratio Lower Upper

184 100

185 15.4 13.4 20.2

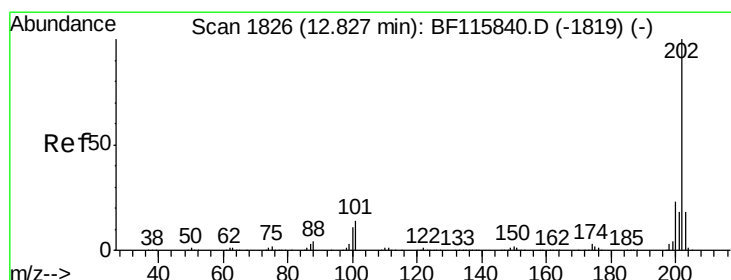
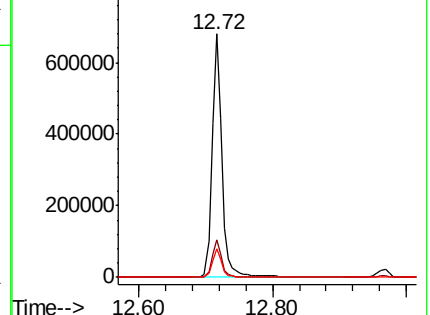
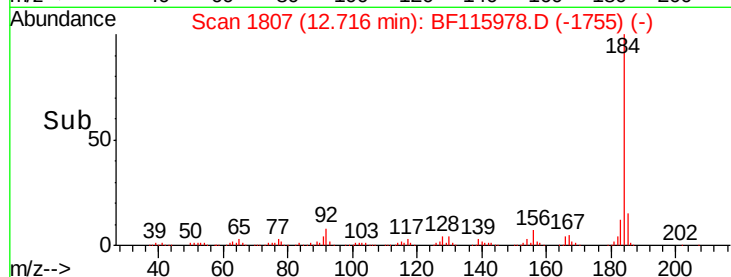
183 11.5 9.1 13.7



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: 46.096 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

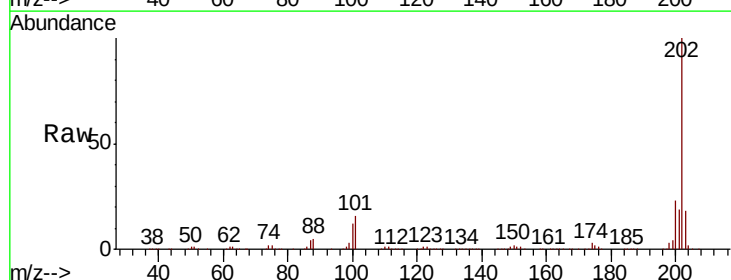
Tgt Ion:202 Resp: 1463296

Ion Ratio Lower Upper

202 100

200 22.8 18.2 27.2

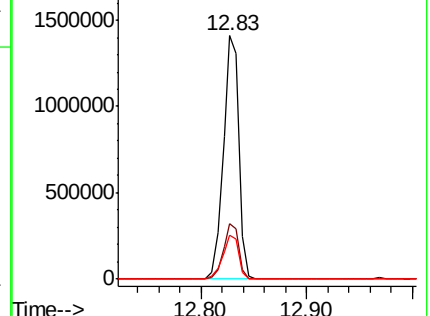
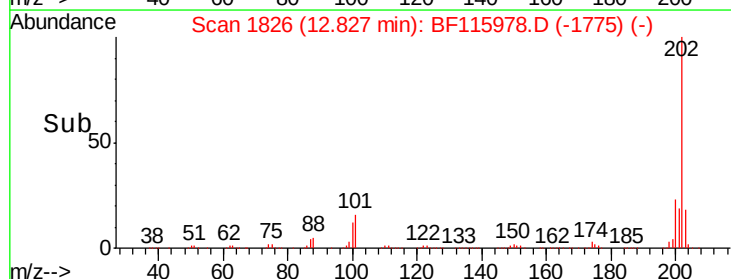
203 18.3 14.3 21.5

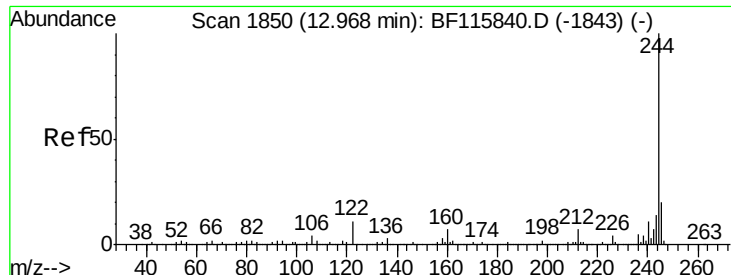


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 87.158 ng

RT: 12.97 min Scan# 1850

Delta R.T. 0.00 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL04-RC

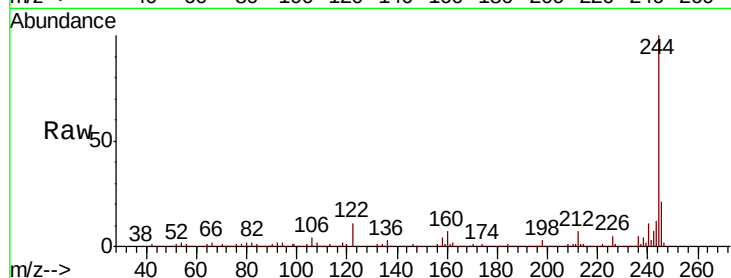
Tgt Ion:244 Resp: 1741845

Ion Ratio Lower Upper

244 100

212 7.3 5.6 8.4

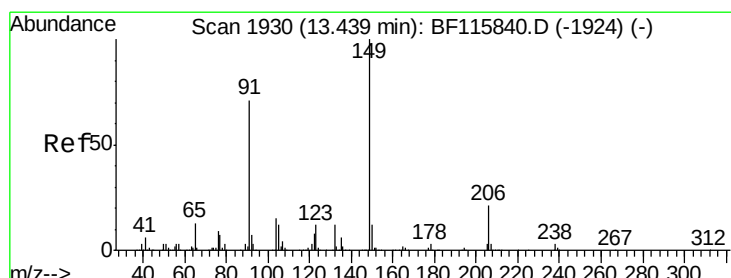
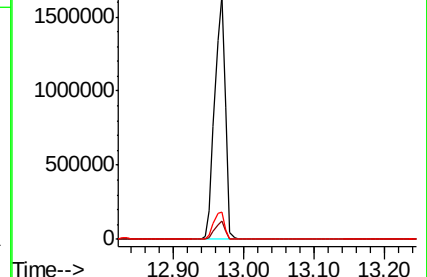
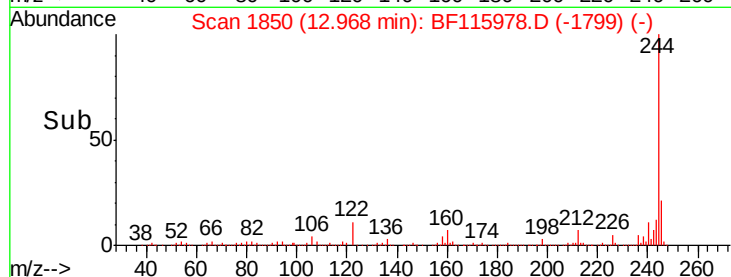
122 11.4 8.6 13.0



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: 48.776 ng

RT: 13.44 min Scan# 1930

Delta R.T. 0.00 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

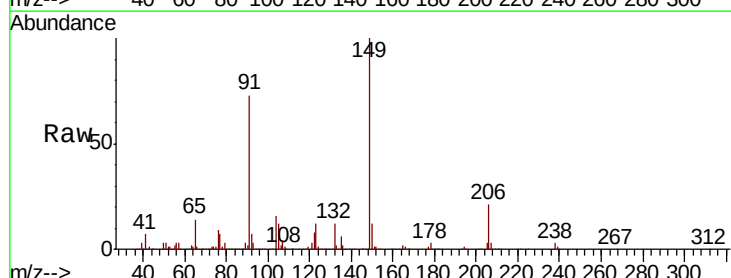
Tgt Ion:149 Resp: 654967

Ion Ratio Lower Upper

149 100

91 73.1 57.0 85.6

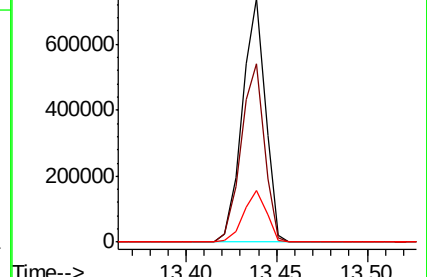
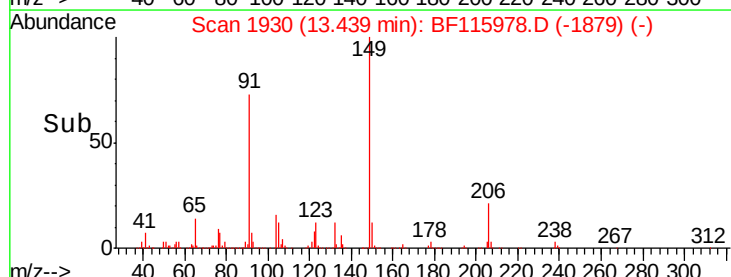
206 21.1 16.9 25.3

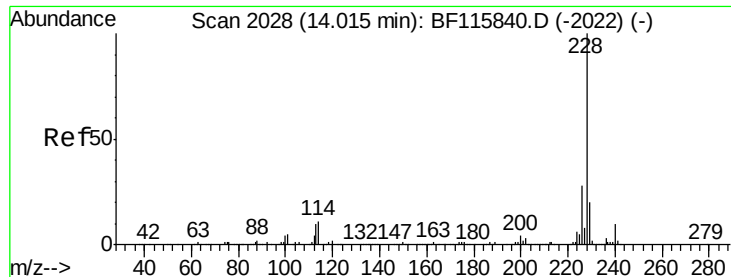


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 44.927 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL04-RC

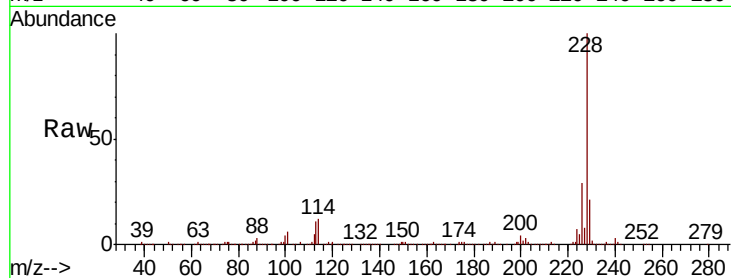
Tgt Ion:228 Resp: 1209278

Ion Ratio Lower Upper

228 100

226 28.9 22.5 33.7

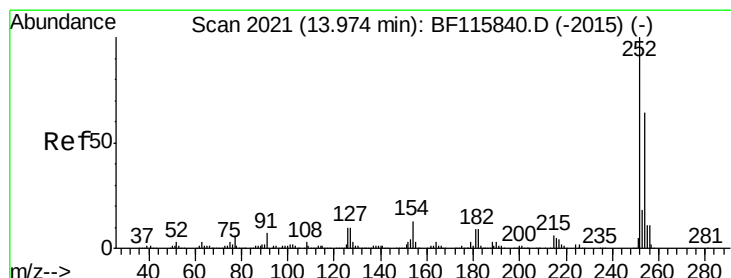
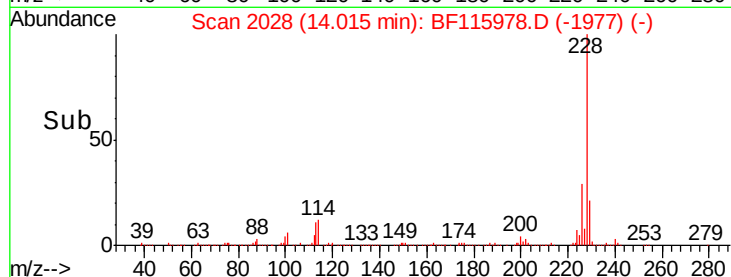
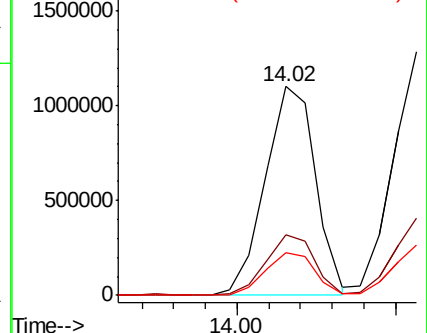
229 20.6 16.1 24.1



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: 36.459 ng

RT: 13.97 min Scan# 2021

Delta R.T. 0.00 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

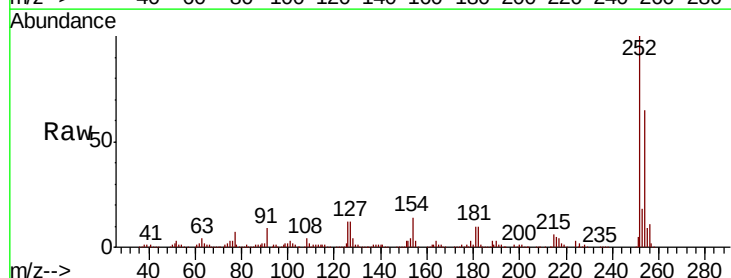
Tgt Ion:252 Resp: 340940

Ion Ratio Lower Upper

252 100

254 64.6 51.2 76.8

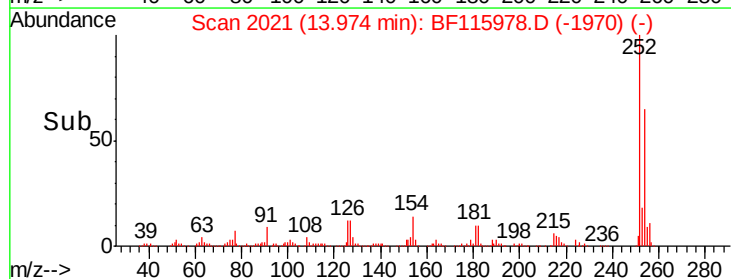
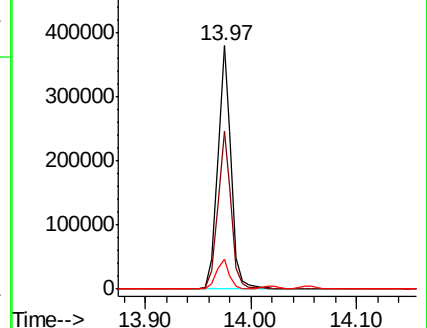
126 12.2 8.1 12.1#

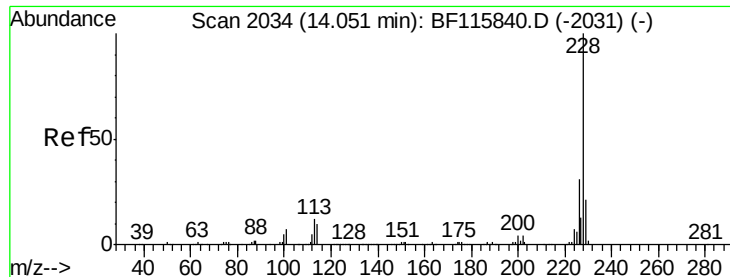


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 44.943 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL04-RC

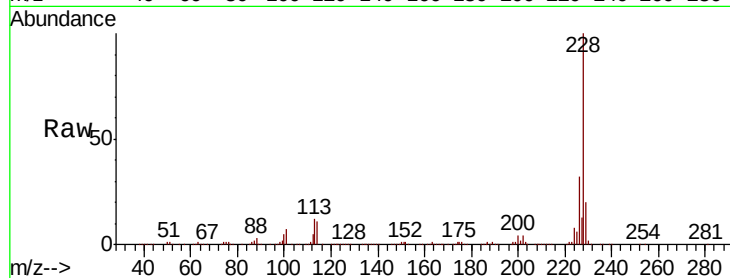
Tgt Ion:228 Resp: 1174435

Ion Ratio Lower Upper

228 100

226 31.6 24.8 37.2

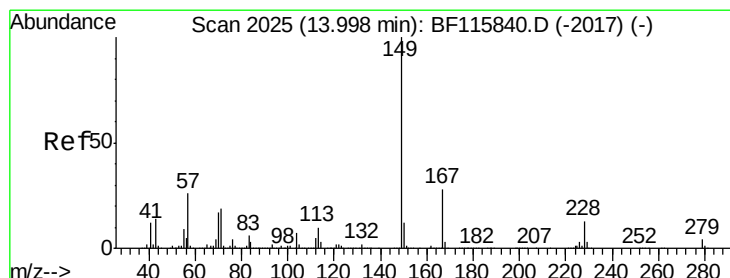
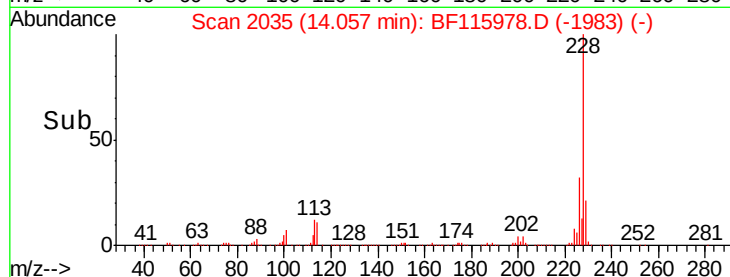
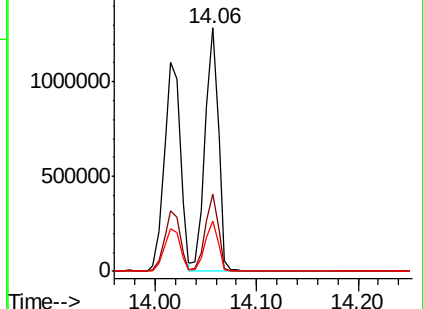
229 20.5 16.4 24.6



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.748 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

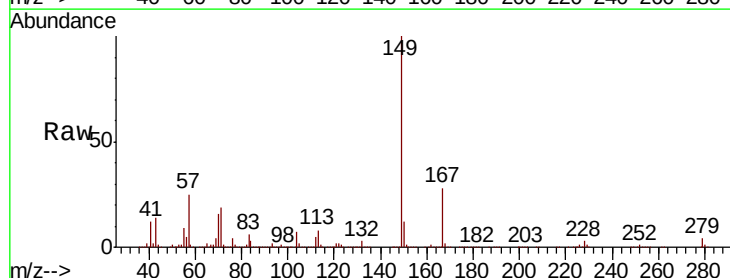
Tgt Ion:149 Resp: 902992

Ion Ratio Lower Upper

149 100

167 28.2 22.4 33.6

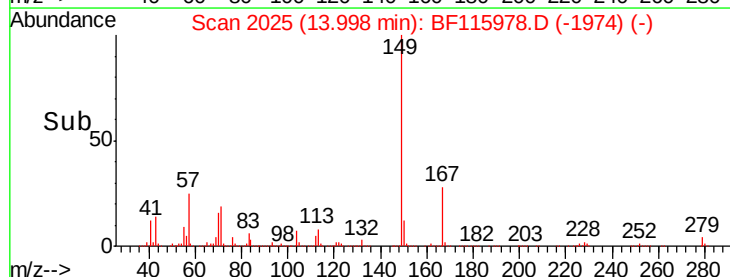
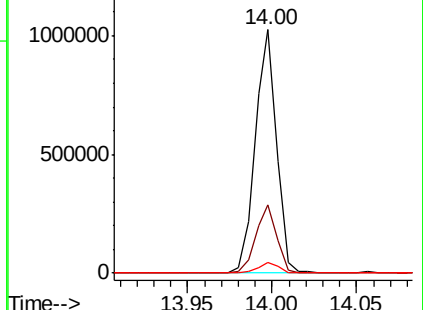
279 4.4 3.3 4.9

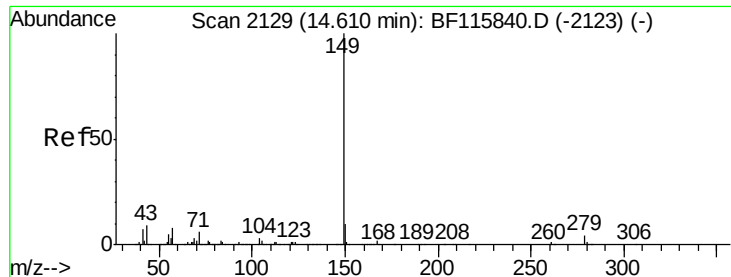


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

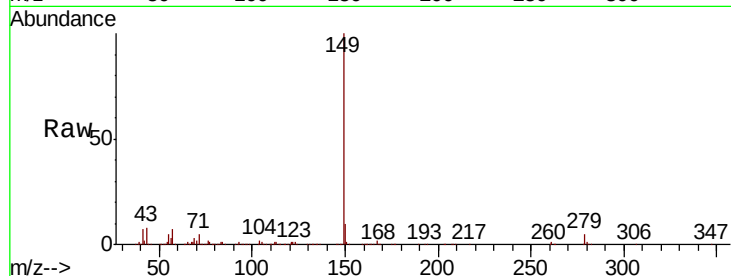




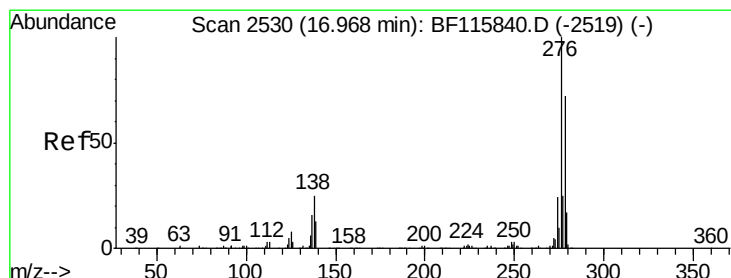
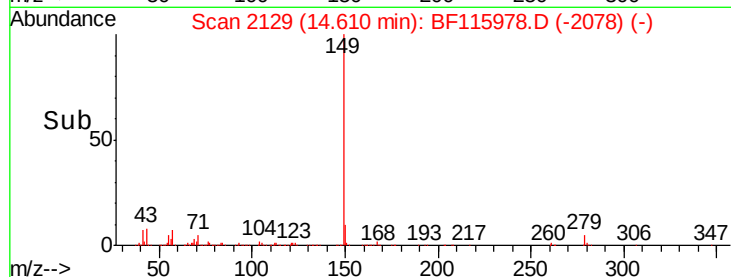
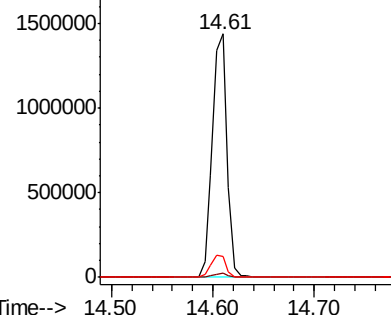
#85
Di-n-octyl phthalate
Concen: 52.377 ng
RT: 14.61 min Scan# 2129
Delta R.T. 0.00 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL04-RC

Tgt Ion:149 Resp: 1451708
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 9.0 7.4 11.0

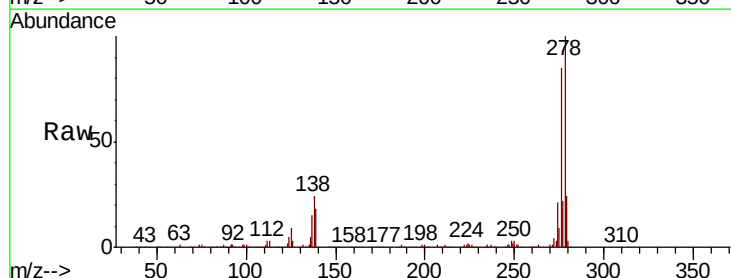


Abundance Ion 149.00 (148.70 to 149.70): E
2000000 Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

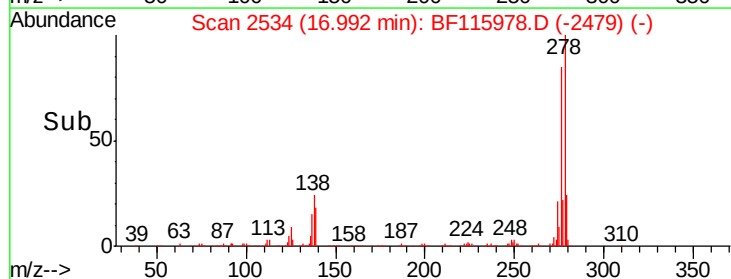
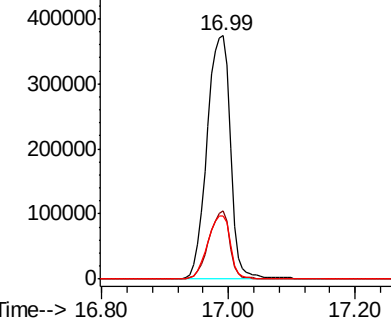


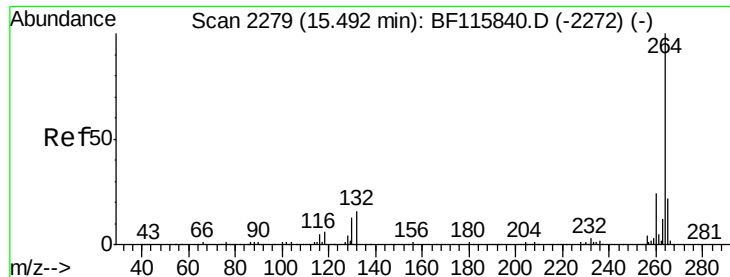
#86
Indeno(1,2,3-cd)pyrene
Concen: 43.835 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.02 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Tgt Ion:276 Resp: 962070
Ion Ratio Lower Upper
276 100
138 25.2 19.6 29.4
277 25.3 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E
500000 Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



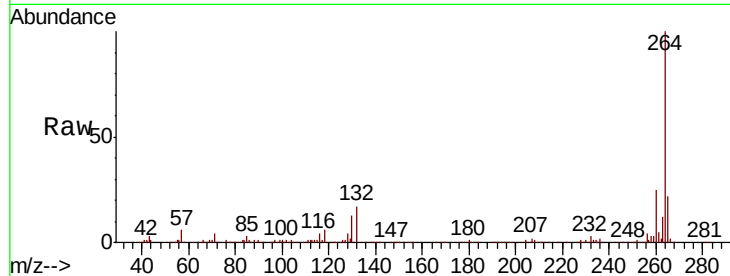


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

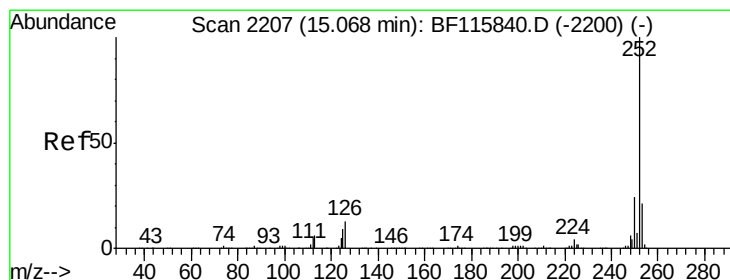
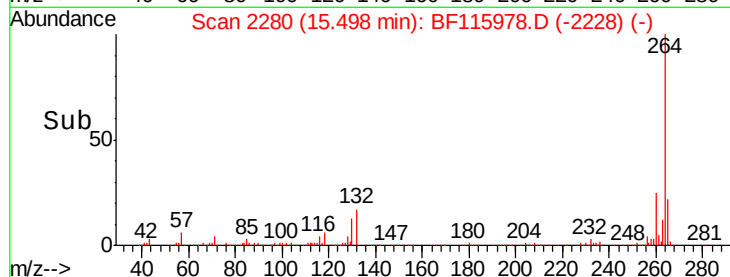
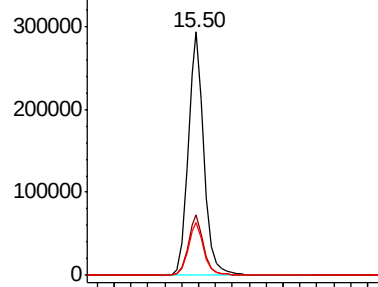
Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL04-RC

Tgt Ion: 264 Resp: 385382

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.4	29.2
265	22.0	17.5	26.3



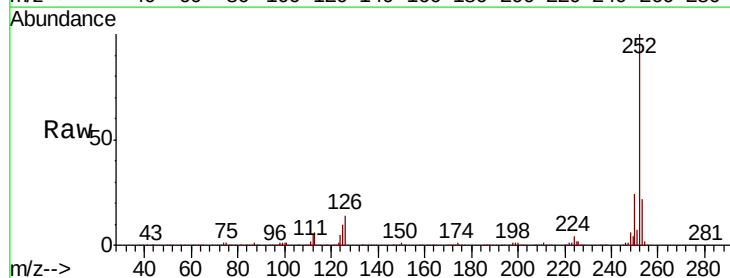
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



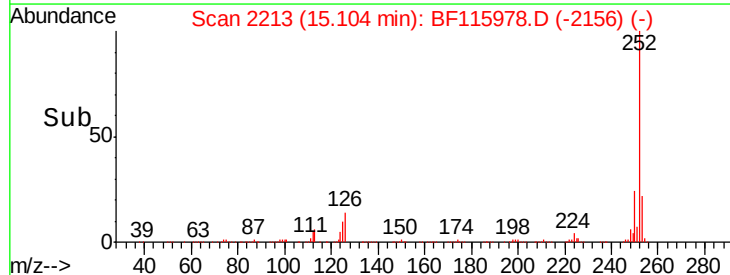
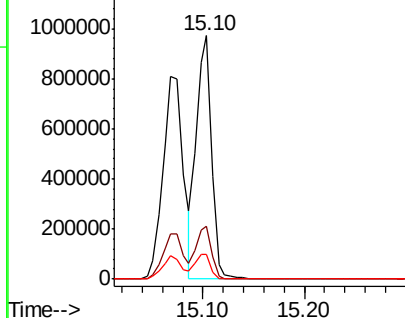
#88
Benzo(b)fluoranthene
Concen: 45.398 ng
RT: 15.10 min Scan# 2213
Delta R.T. 0.04 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

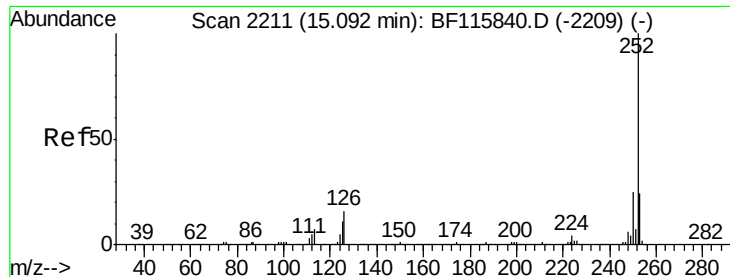
Tgt Ion: 252 Resp: 1011621

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	10.2	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

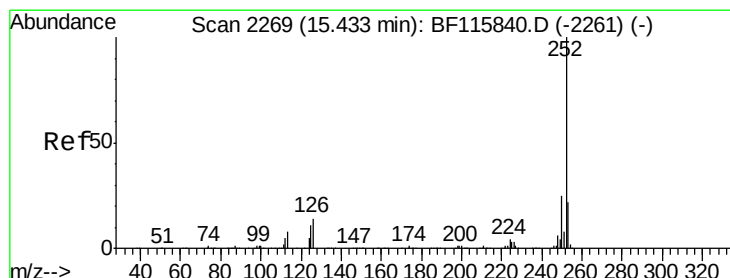
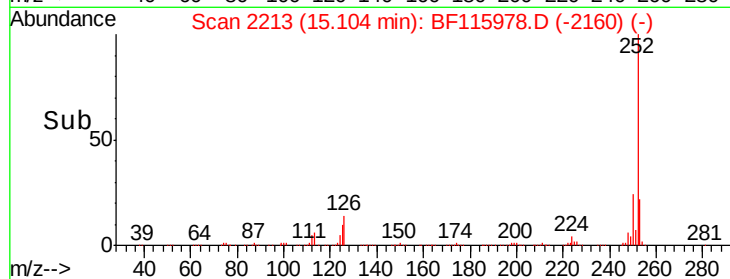
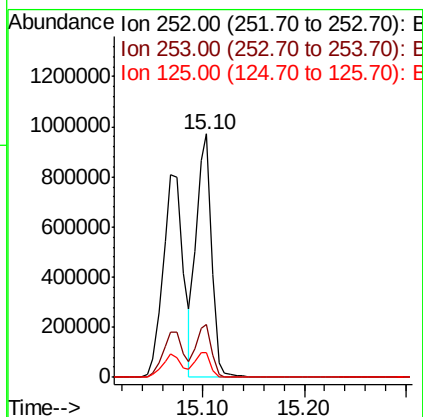
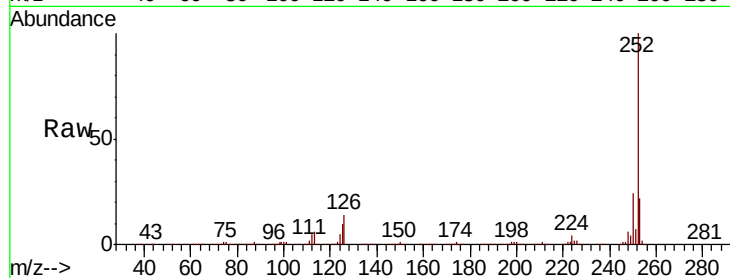




#89
Benzo(k)fluoranthene
Concen: 46.610 ng
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

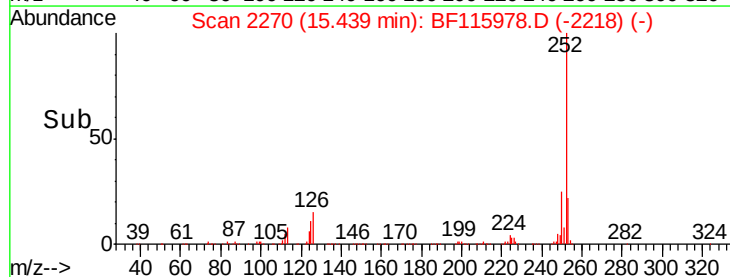
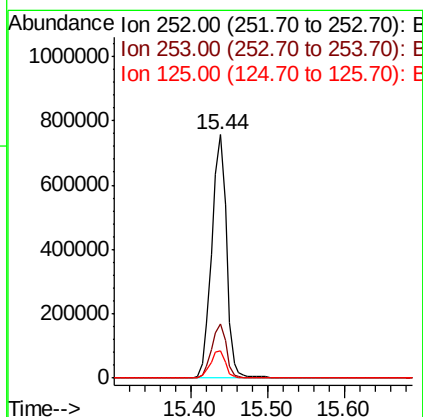
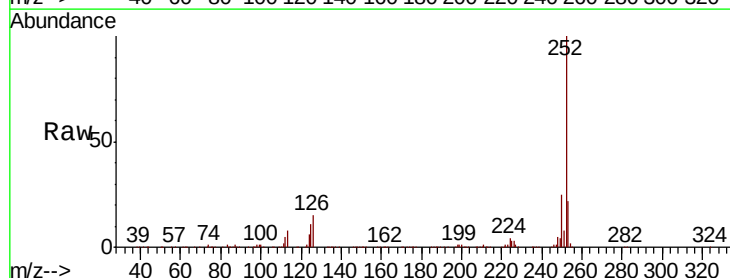
Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL04-RC

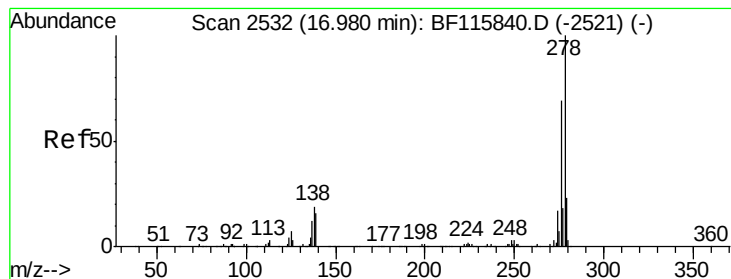
Tgt Ion:252 Resp: 1011621
Ion Ratio Lower Upper
252 100
253 21.9 18.2 27.4
125 10.2 8.9 13.3



#90
Benzo(a)pyrene
Concen: 50.097 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF115978.D
Acq: 3 Aug 2019 13:43

Tgt Ion:252 Resp: 997910
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.6
125 11.2 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 46.856 ng

RT: 17.00 min Scan# 2535

Delta R.T. 0.02 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL04-RC

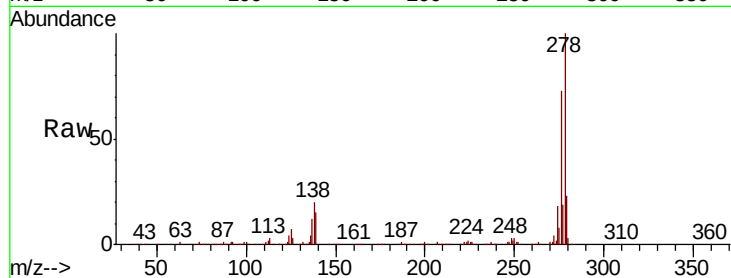
Tgt Ion:278 Resp: 807917

Ion Ratio Lower Upper

278 100

139 15.1 12.6 19.0

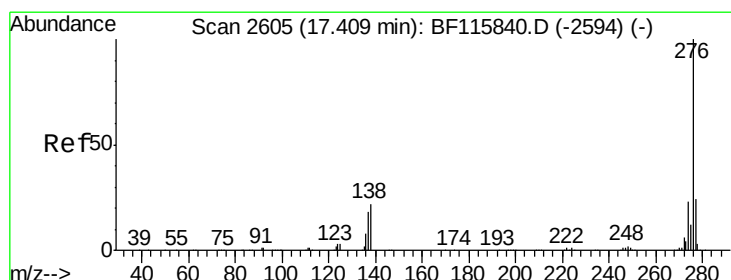
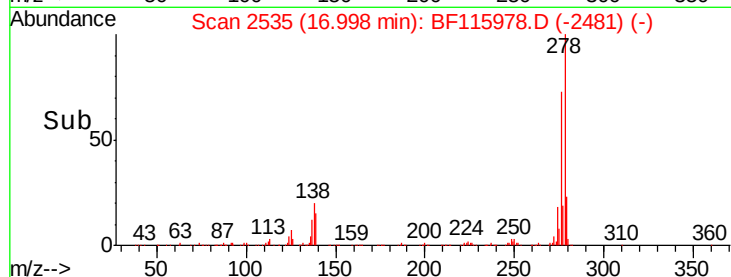
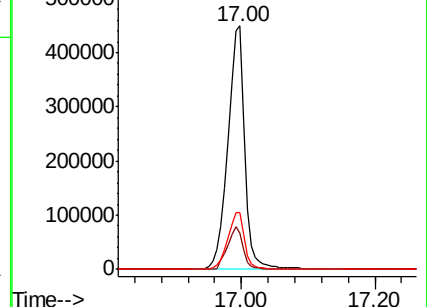
279 23.4 18.8 28.2



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: 46.093 ng

RT: 17.43 min Scan# 2608

Delta R.T. 0.02 min

Lab File: BF115978.D

Acq: 3 Aug 2019 13:43

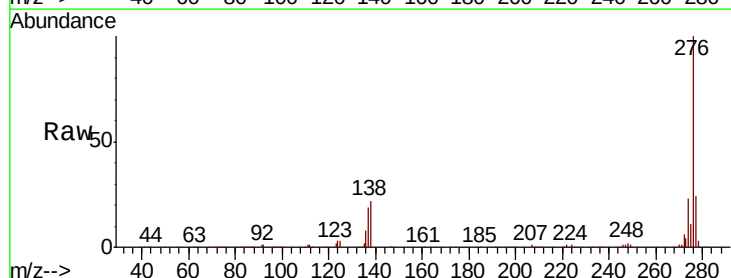
Tgt Ion:276 Resp: 780528

Ion Ratio Lower Upper

276 100

277 23.5 19.5 29.3

138 21.8 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

