

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080319\
 Data File : BF115976.D
 Acq On : 3 Aug 2019 12:50
 Operator : HP/JU
 Sample : IDOC BS-SOIL02-RC
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL02-RC

Quant Time: Aug 05 01:17:55 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	142549	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	584003	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	319274	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	572679	20.00	ng	0.00
76) Chrysene-d12	14.03	240	410705	20.00	ng	0.00
87) Perylene-d12	15.50	264	365595	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	988008	116.03	ng	0.02
7) Phenol-d6	6.49	99	1256782	116.98	ng	0.00
23) Nitrobenzene-d5	7.42	82	838476	82.88	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	373247	120.58	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1467361	86.09	ng	0.00
79) Terphenyl-d14	12.97	244	1654867	84.90	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.71	88	177663	41.300	ng	99
3) Pyridine	3.45	79	459567	38.244	ng	97
4) n-Nitrosodimethylamine	3.40	42	202074	42.612	ng	100
6) Aniline	6.52	93	521006	33.863	ng	96
8) 2-Chlorophenol	6.65	128	432060	45.885	ng	98
9) Benzaldehyde	6.40	77	236985	31.970	ng	98
10) Phenol	6.50	94	550903	43.545	ng	90
11) bis(2-Chloroethyl)ether	6.59	93	416250	44.751	ng	100
12) 1,3-Dichlorobenzene	6.79	146	464542	42.689	ng	96
13) 1,4-Dichlorobenzene	6.87	146	479618	44.018	ng	99
14) 1,2-Dichlorobenzene	7.02	146	437227	43.580	ng	98
15) Benzyl Alcohol	7.00	79	372306	45.664	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.13	45	554620	43.715	ng	96
17) 2-Methylphenol	7.11	107	367457	46.088	ng	99
18) Hexachloroethane	7.36	117	174042	43.385	ng	98
19) n-Nitroso-di-n-propylamine	7.27	70	299711	45.019	ng	99
20) 3+4-Methylphenols	7.26	107	434189	46.019	ng	# 88
22) Acetophenone	7.26	105	586370	45.782	ng	97
24) Nitrobenzene	7.43	77	492032	45.040	ng	99
25) Isophorone	7.67	82	887293	45.865	ng	100
26) 2-Nitrophenol	7.75	139	242071	47.008	ng	99
27) 2,4-Dimethylphenol	7.79	122	397431	51.299	ng	100
28) bis(2-Chloroethoxy)methane	7.88	93	541434	45.154	ng	99
29) 2,4-Dichlorophenol	8.00	162	382434	46.751	ng	97
30) 1,2,4-Trichlorobenzene	8.07	180	412399	44.227	ng	99
31) Naphthalene	8.16	128	1261206	45.892	ng	100
32) Benzoic acid	7.95	122	242563	44.408	ng	98
33) 4-Chloroaniline	8.20	127	340726	27.748	ng	99
34) Hexachlorobutadiene	8.27	225	230057	42.833	ng	99
35) Caprolactam	8.59	113	71901	27.177	ng	95
36) 4-Chloro-3-methylphenol	8.70	107	408973	48.058	ng	97
37) 2-Methylnaphthalene	8.85	142	850388	46.985	ng	100
38) 1-Methylnaphthalene	8.95	142	792071	46.259	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.02	216	388331	45.496	ng	99

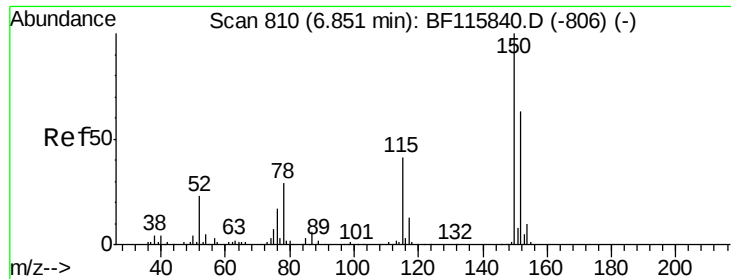
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080319\
 Data File : BF115976.D
 Acq On : 3 Aug 2019 12:50
 Operator : HP/JU
 Sample : IDOC BS-SOIL02-RC
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL02-RC

Quant Time: Aug 05 01:17:55 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)
41) Hexachlorocyclopentadiene	9.01	237	250818	66.533	ng	100
43) 2,4,6-Trichlorophenol	9.13	196	258660	44.027	ng	99
44) 2,4,5-Trichlorophenol	9.18	196	273406	45.019	ng	97
46) 1,1'-Biphenyl	9.32	154	1017212	45.128	ng	99
47) 2-Chloronaphthalene	9.35	162	814652	43.424	ng	99
48) 2-Nitroaniline	9.44	65	264066	42.584	ng	93
49) Acenaphthylene	9.76	152	1245572	45.509	ng	100
50) Dimethylphthalate	9.62	163	985423	45.330	ng	99
51) 2,6-Dinitrotoluene	9.68	165	218244	46.196	ng	# 85
52) Acenaphthene	9.93	154	739756	44.057	ng	100
53) 3-Nitroaniline	9.85	138	176611	30.255	ng	90
54) 2,4-Dinitrophenol	9.97	184	188885	78.745	ng	97
55) Dibenzofuran	10.10	168	1100442	45.066	ng	97
56) 4-Nitrophenol	10.03	139	329012	87.984	ng	97
57) 2,4-Dinitrotoluene	10.09	165	287054	45.637	ng	94
58) Fluorene	10.45	166	856236	45.576	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.23	232	229961	45.008	ng	99
60) Diethylphthalate	10.32	149	929918	45.818	ng	99
61) 4-Chlorophenyl-phenylether	10.43	204	432657	45.473	ng	99
62) 4-Nitroaniline	10.47	138	247343	41.001	ng	98
63) Azobenzene	10.60	77	958776	45.928	ng	97
65) 4,6-Dinitro-2-methylphenol	10.51	198	140778	46.388	ng	94
66) n-Nitrosodiphenylamine	10.56	169	781559	45.342	ng	99
67) 4-Bromophenyl-phenylether	10.93	248	270444	44.114	ng	93
68) Hexachlorobenzene	11.00	284	301795	42.572	ng	95
69) Atrazine	11.09	200	252806	44.581	ng	99
70) Pentachlorophenol	11.20	266	302386	87.860	ng	98
71) Phenanthrene	11.41	178	1271400	43.427	ng	99
72) Anthracene	11.46	178	1334901	45.054	ng	99
73) Carbazole	11.62	167	1209141	44.981	ng	99
74) Di-n-butylphthalate	11.94	149	1447148	46.149	ng	100
75) Fluoranthene	12.60	202	1354686	44.199	ng	98
77) Benzidine	12.72	184	638703	46.032	ng	98
78) Pyrene	12.83	202	1383452	44.686	ng	100
80) Butylbenzylphthalate	13.44	149	628458	47.988	ng	99
81) Benzo(a)anthracene	14.02	228	1168919	44.529	ng	99
82) 3,3'-Dichlorobenzidine	13.97	252	340855	37.374	ng	99
83) Chrysene	14.06	228	1130543	44.360	ng	99
84) Bis(2-ethylhexyl)phthalate	14.00	149	868878	51.056	ng	100
85) Di-n-octyl phthalate	14.61	149	1405528	51.997	ng	100
86) Indeno(1,2,3-cd)pyrene	16.99	276	967246	45.188	ng	99
88) Benzo(b)fluoranthene	15.07	252	1109904	52.505	ng	98
89) Benzo(k)fluoranthene	15.10	252	957061	46.482	ng	99
90) Benzo(a)pyrene	15.44	252	956238	50.603	ng	99
91) Dibenzo(a,h)anthracene	17.00	278	811702	49.624	ng	100
92) Benzo(g,h,i)perylene	17.43	276	791405	49.265	ng	99

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

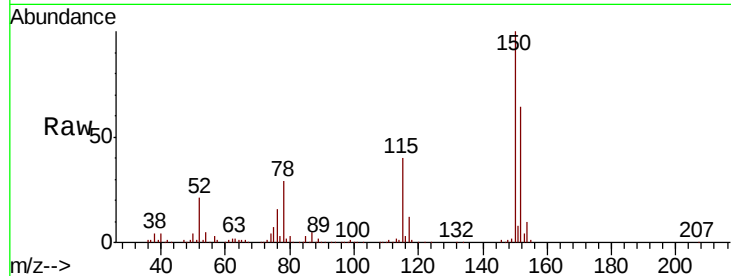


#1

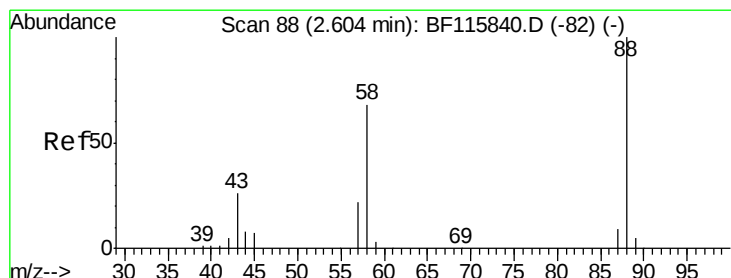
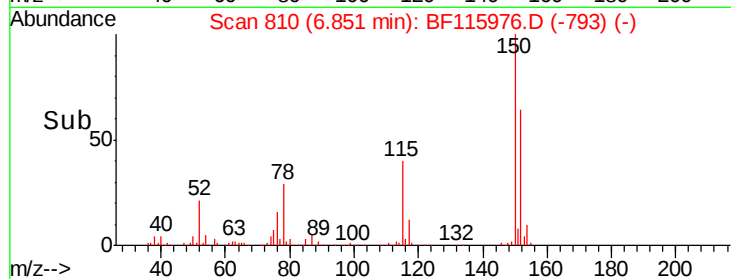
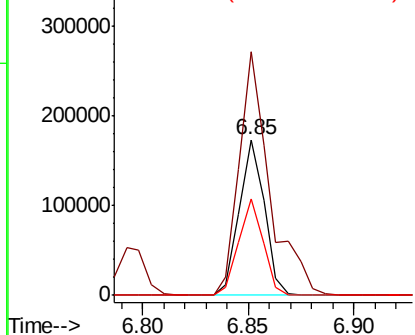
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL02-RC

Tgt Ion:152 Resp: 142549
Ion Ratio Lower Upper
152 100
150 156.3 127.4 191.0
115 61.8 51.8 77.8



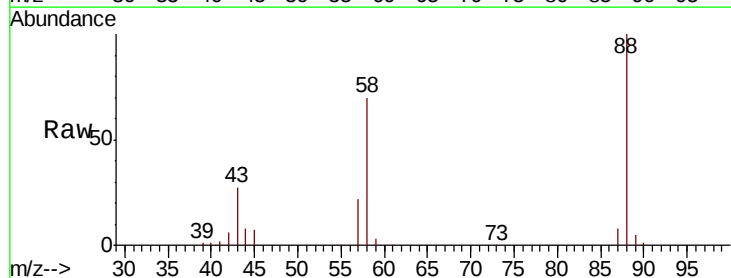
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



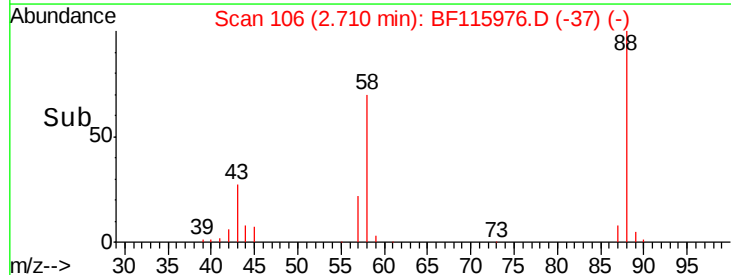
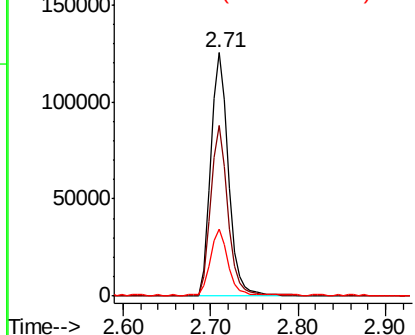
#2

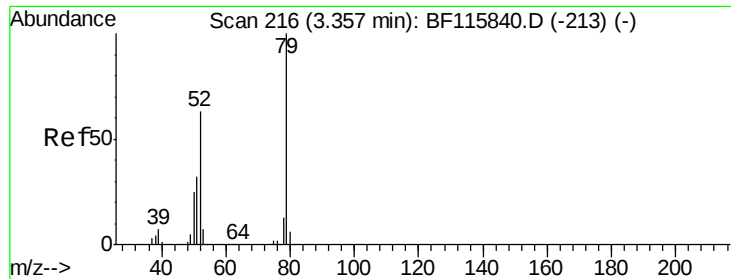
1,4-Dioxane
Concen: 41.300 ng
RT: 2.71 min Scan# 106
Delta R.T. 0.11 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Tgt Ion: 88 Resp: 177663
Ion Ratio Lower Upper
88 100
58 68.5 54.1 81.1
43 26.6 20.7 31.1



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#3

Pyridine

Concen: 38.244 ng

RT: 3.45 min Scan# 232

Delta R.T. 0.09 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL02-RC

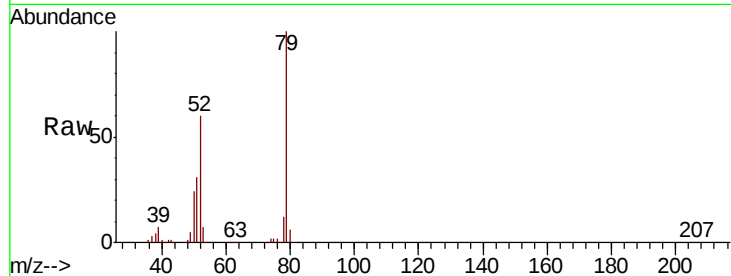
Tgt Ion: 79 Resp: 459567

Ion Ratio Lower Upper

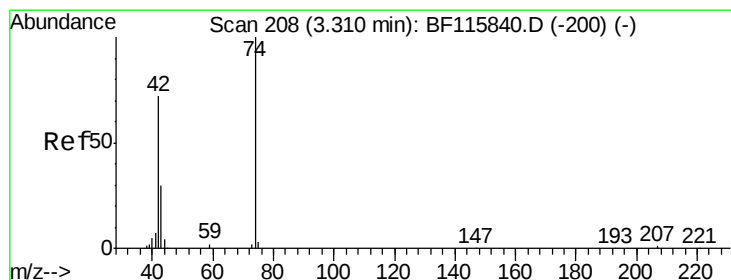
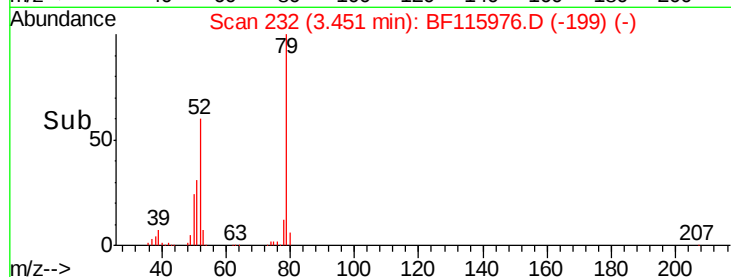
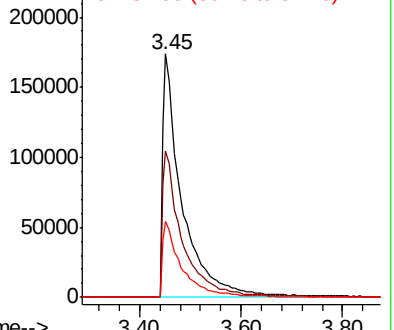
79 100

52 60.1 50.2 75.4

51 30.9 25.8 38.6



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



#4

n-Nitrosodimethylamine

Concen: 42.612 ng

RT: 3.40 min Scan# 224

Delta R.T. 0.09 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

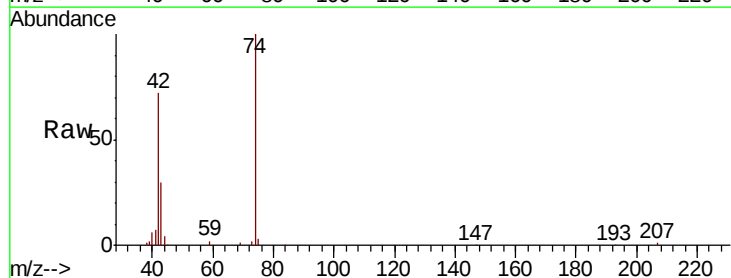
Tgt Ion: 42 Resp: 202074

Ion Ratio Lower Upper

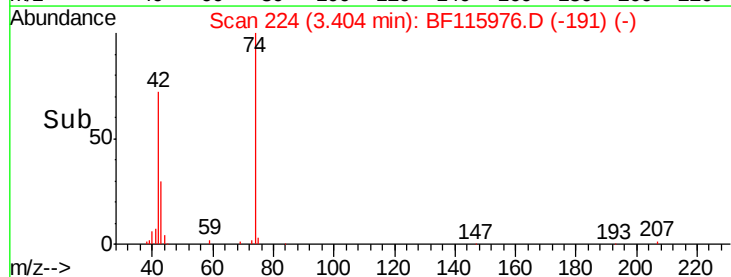
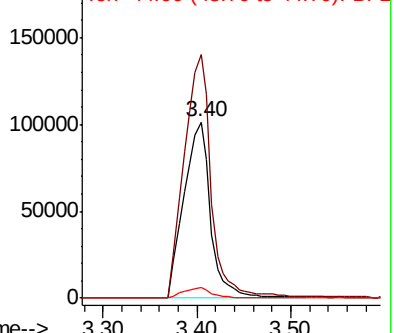
42 100

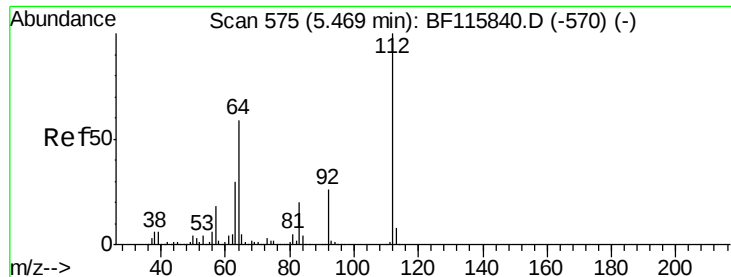
74 138.5 111.0 166.4

44 6.1 4.7 7.1



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





#5

2-Fluorophenol

Concen: 116.029 ng

RT: 5.49 min Scan# 578

Delta R.T. 0.02 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL02-RC

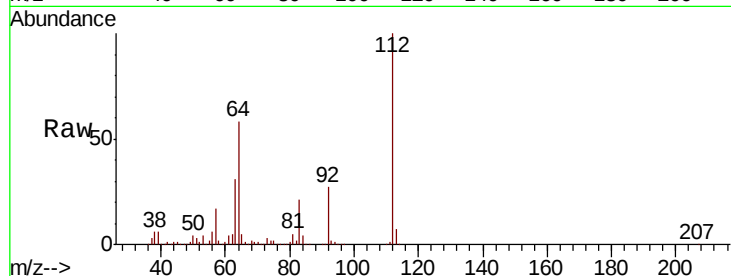
Tgt Ion:112 Resp: 988008

Ion Ratio Lower Upper

112 100

64 57.8 46.8 70.2

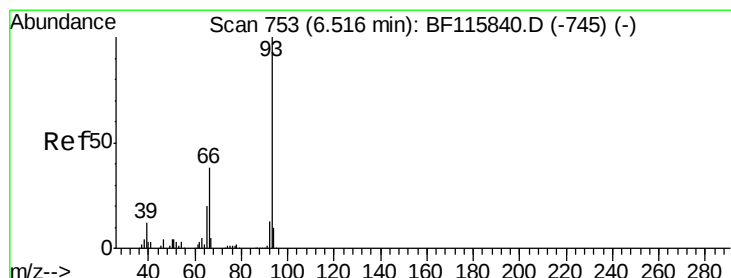
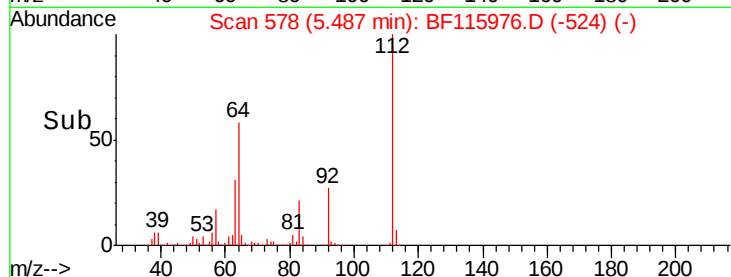
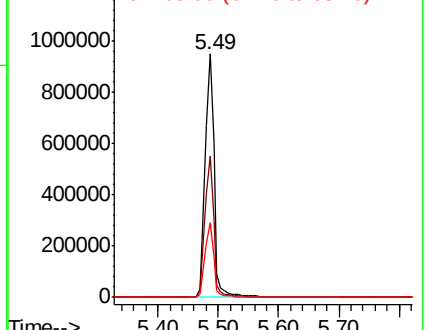
63 30.6 24.2 36.2



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 33.863 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

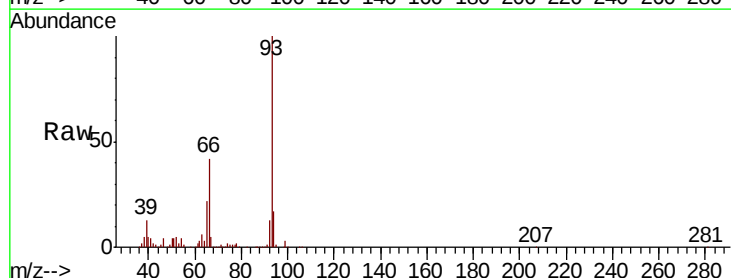
Tgt Ion: 93 Resp: 521006

Ion Ratio Lower Upper

93 100

66 42.1 31.4 47.0

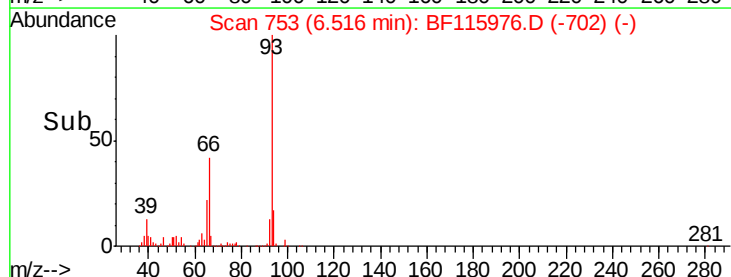
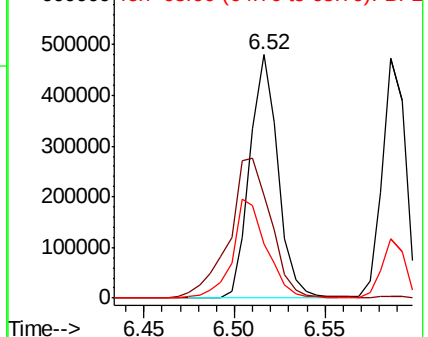
65 22.2 16.5 24.7



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 116.982 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL02-RC

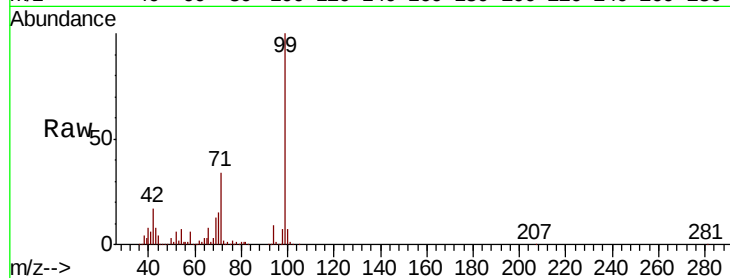
Tgt Ion: 99 Resp: 1256782

Ion Ratio Lower Upper

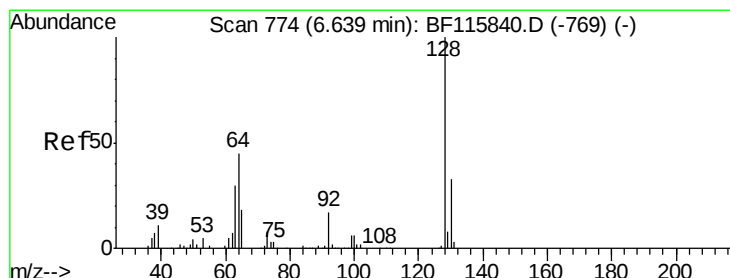
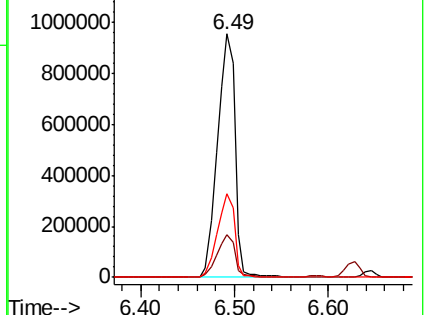
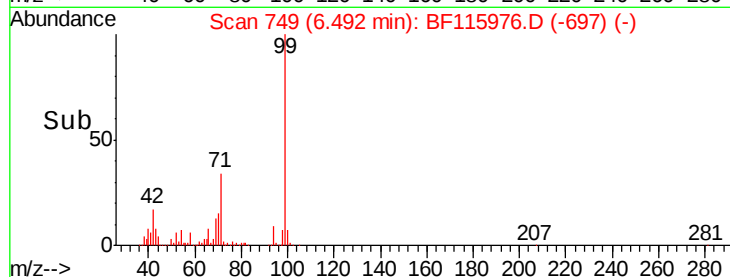
99 100

42 17.5 13.8 20.6

71 34.1 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: 45.885 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.01 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

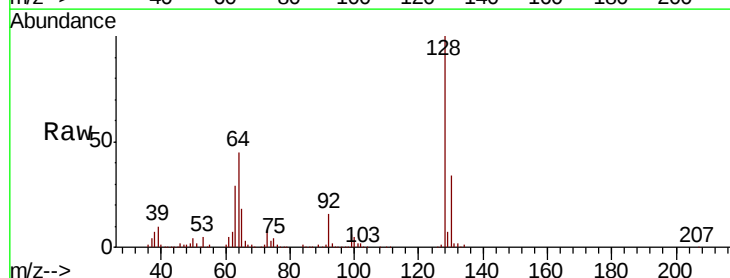
Tgt Ion: 128 Resp: 432060

Ion Ratio Lower Upper

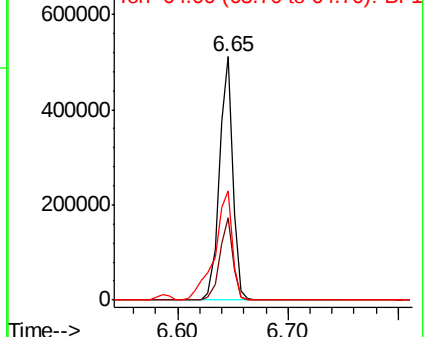
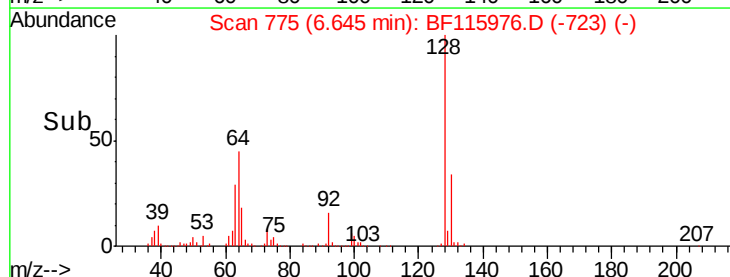
128 100

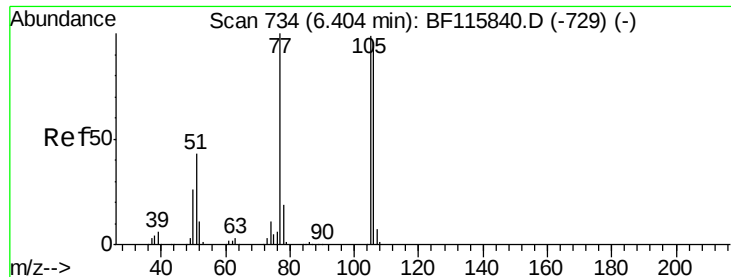
130 33.6 12.9 52.9

64 44.9 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: 31.970 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.00 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL02-RC

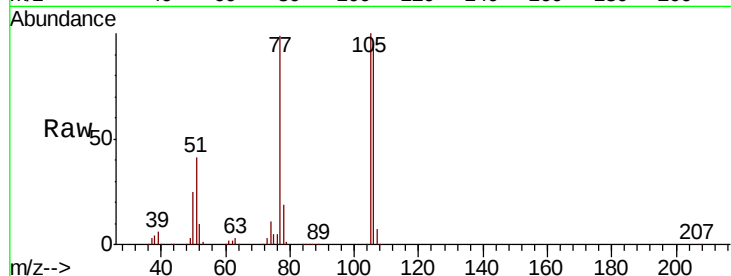
Tgt Ion: 77 Resp: 236985

Ion Ratio Lower Upper

77 100

105 101.5 79.0 119.0

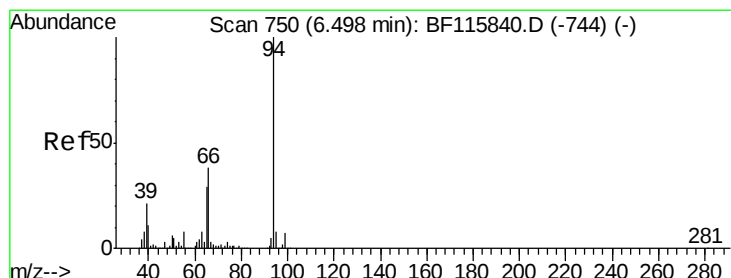
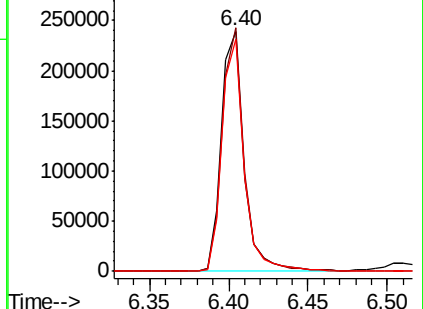
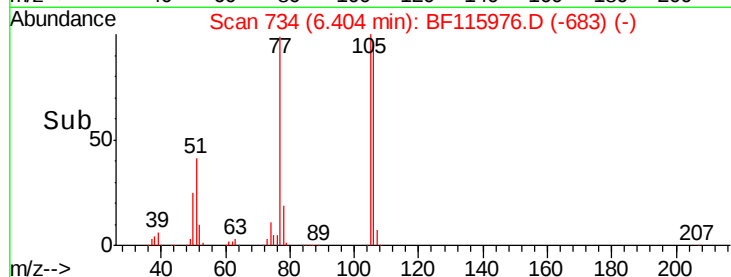
106 96.9 76.2 116.2



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 43.545 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

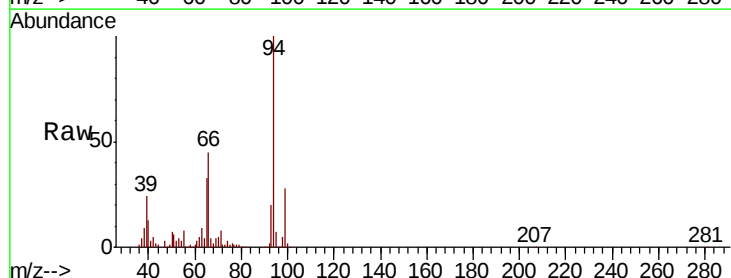
Tgt Ion: 94 Resp: 550903

Ion Ratio Lower Upper

94 100

65 32.5 8.9 48.9

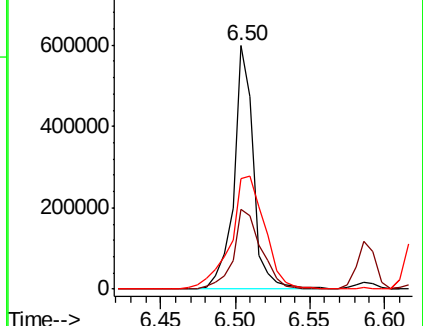
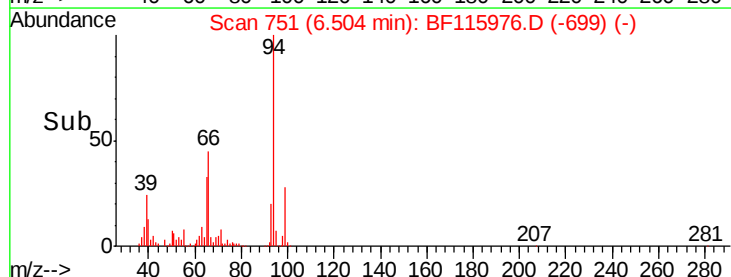
66 45.2 18.0 58.0

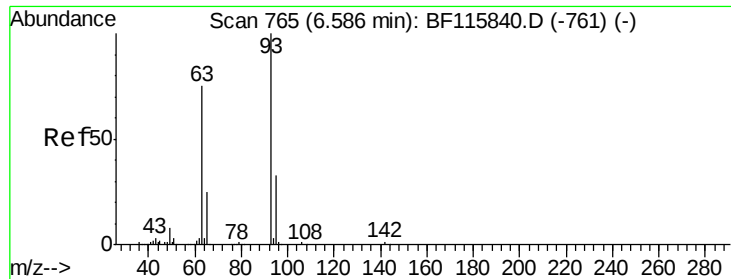


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

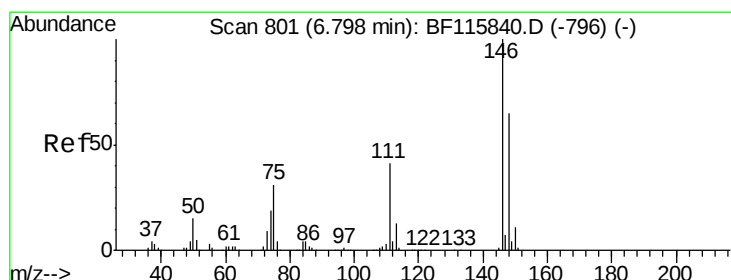
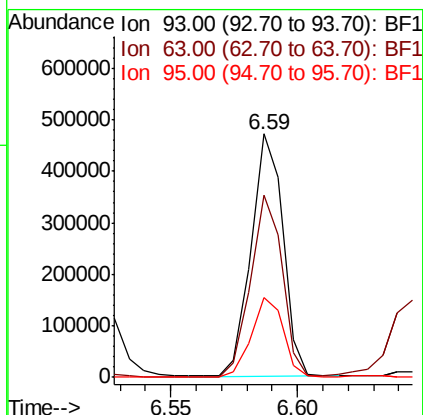
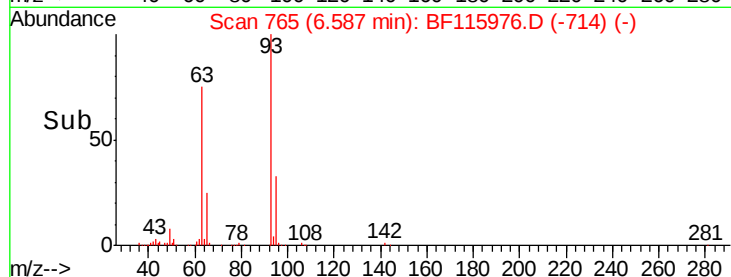
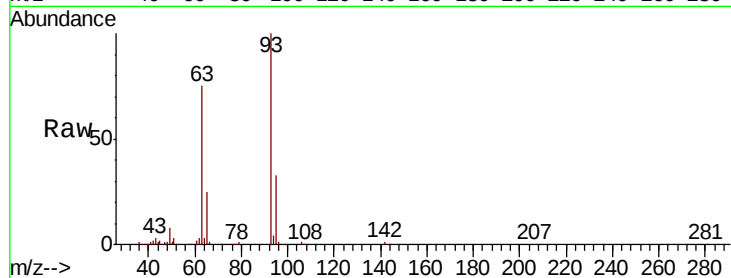




#11
 bis(2-Chloroethyl)ether
 Concen: 44.751 ng
 RT: 6.59 min Scan# 765
 Delta R.T. 0.00 min
 Lab File: BF115976.D
 Acq: 3 Aug 2019 12:50

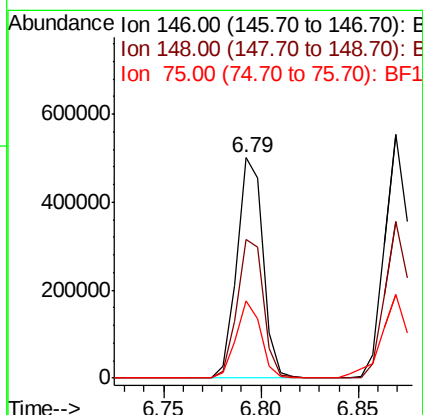
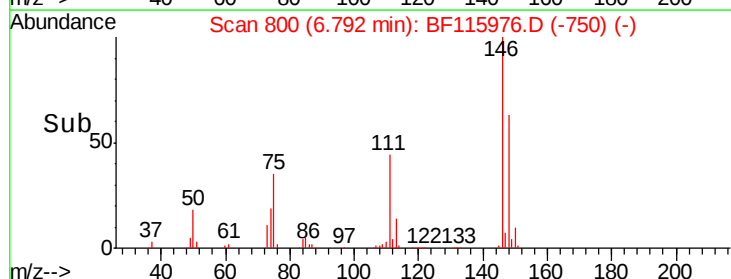
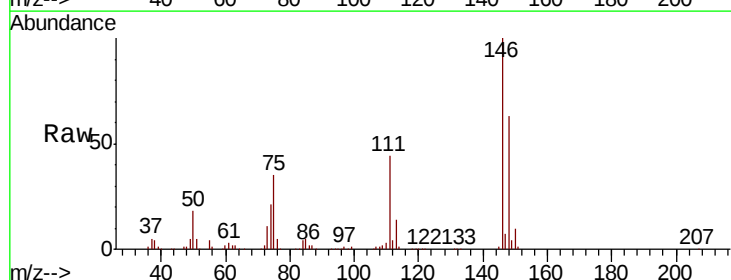
Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL02-RC

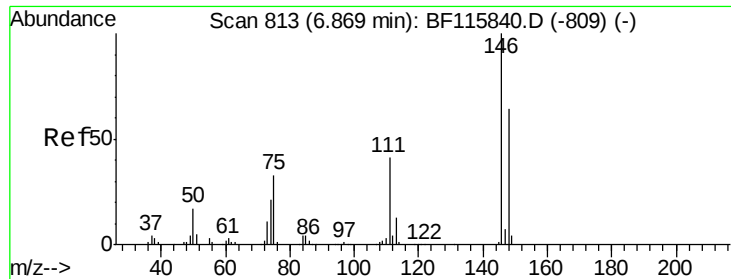
Tgt Ion: 93 Resp: 416250
 Ion Ratio Lower Upper
 93 100
 63 74.8 54.9 94.9
 95 32.9 13.3 53.3



#12
 1,3-Dichlorobenzene
 Concen: 42.689 ng
 RT: 6.79 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: BF115976.D
 Acq: 3 Aug 2019 12:50

Tgt Ion: 146 Resp: 464542
 Ion Ratio Lower Upper
 146 100
 148 62.9 52.1 78.1
 75 35.1 25.0 37.6

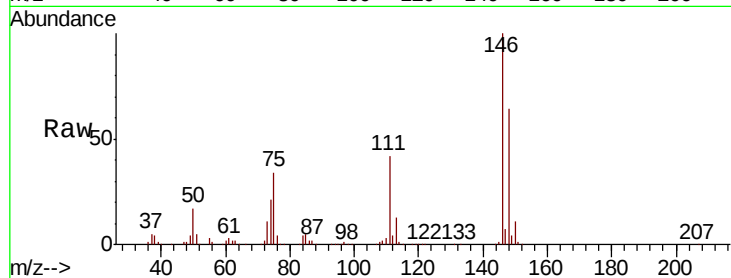




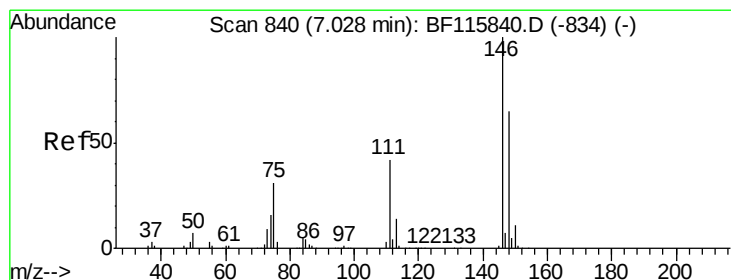
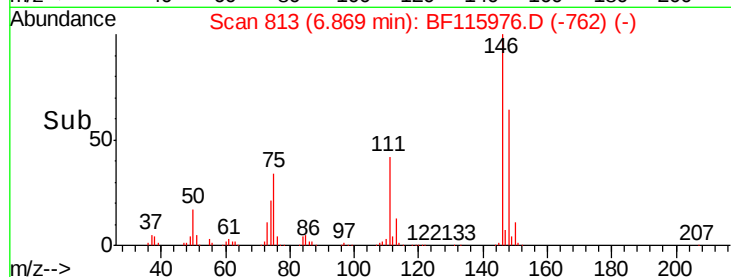
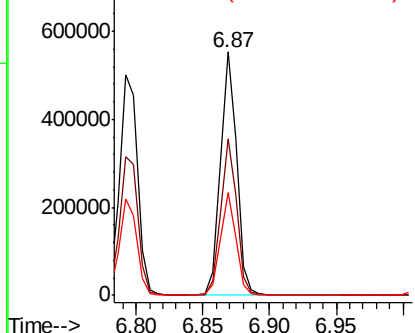
#13
 1,4-Dichlorobenzene
 Concen: 44.018 ng
 RT: 6.87 min Scan# 813
 Delta R.T. 0.00 min
 Lab File: BF115976.D
 Acq: 3 Aug 2019 12:50

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL02-RC

Tgt Ion:146 Resp: 479618
 Ion Ratio Lower Upper
 146 100
 148 64.2 51.2 76.8
 111 42.1 33.2 49.8

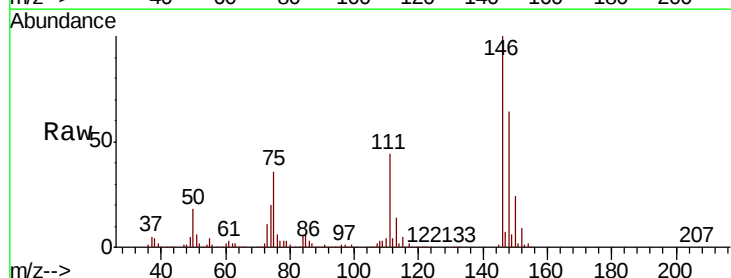


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

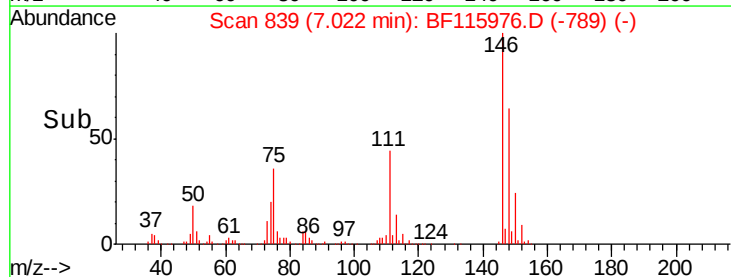
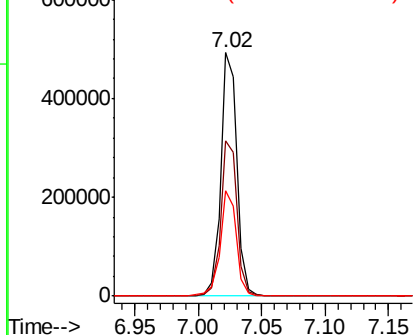


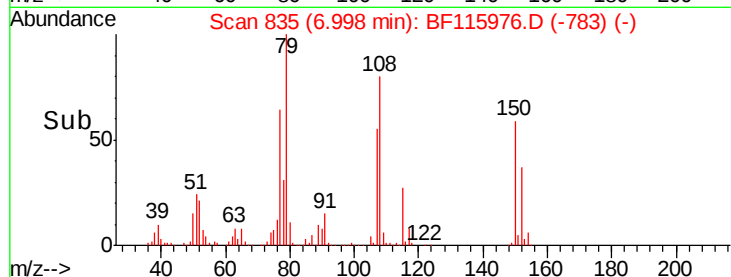
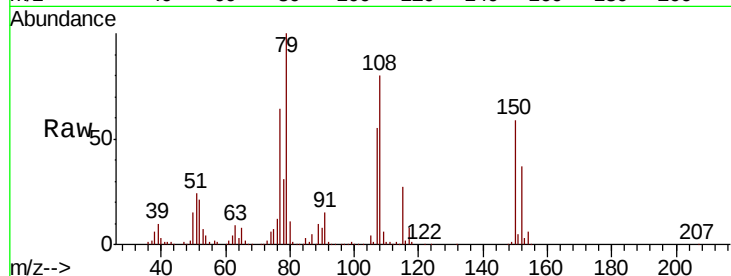
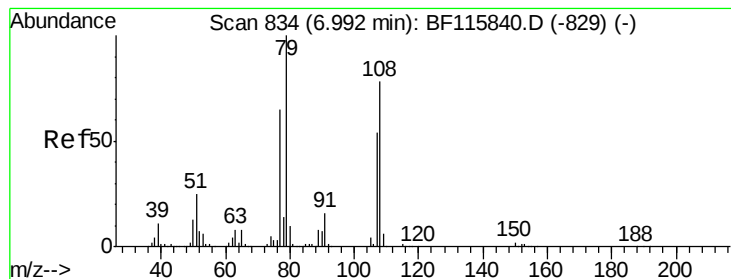
#14
 1,2-Dichlorobenzene
 Concen: 43.580 ng
 RT: 7.02 min Scan# 839
 Delta R.T. -0.01 min
 Lab File: BF115976.D
 Acq: 3 Aug 2019 12:50

Tgt Ion:146 Resp: 437227
 Ion Ratio Lower Upper
 146 100
 148 63.6 51.6 77.4
 111 43.5 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: 45.664 ng

RT: 7.00 min Scan# 835

Delta R.T. 0.01 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL02-RC

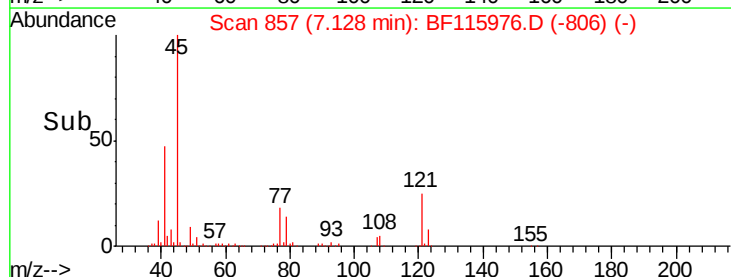
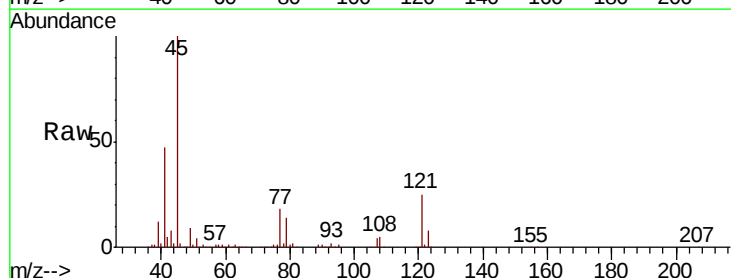
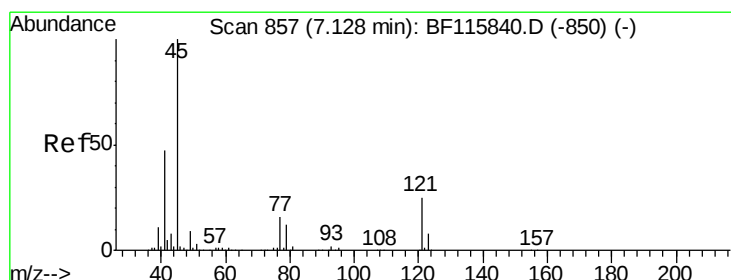
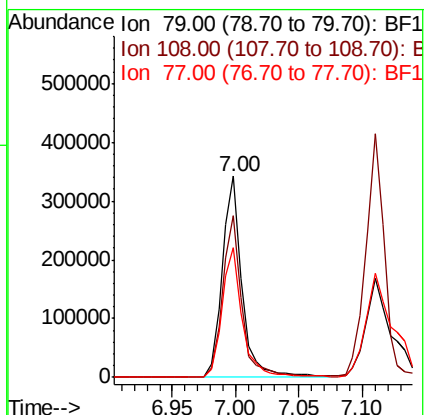
Tgt Ion: 79 Resp: 372306

Ion Ratio Lower Upper

79 100

108 80.3 62.8 94.2

77 64.4 52.0 78.0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 43.715 ng

RT: 7.13 min Scan# 857

Delta R.T. 0.00 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

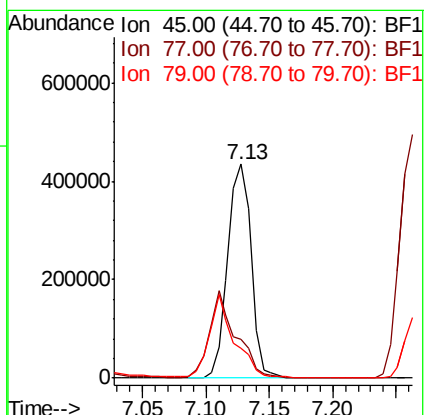
Tgt Ion: 45 Resp: 554620

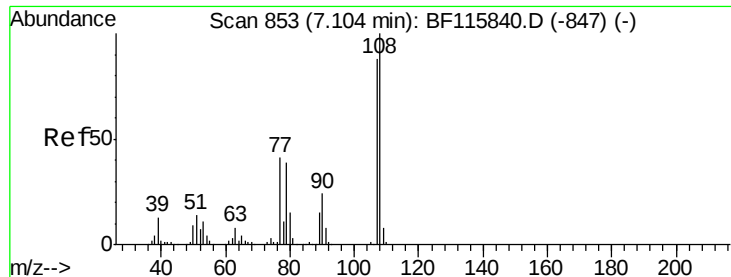
Ion Ratio Lower Upper

45 100

77 17.9 0.0 36.3

79 14.1 0.0 32.5

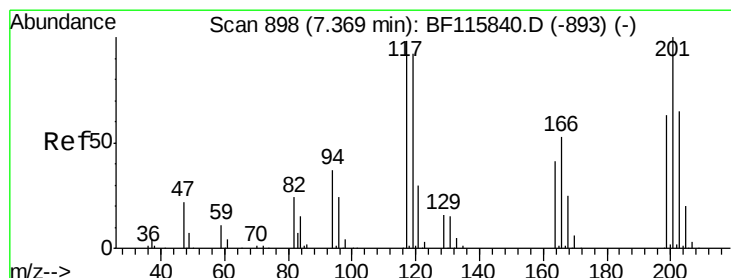
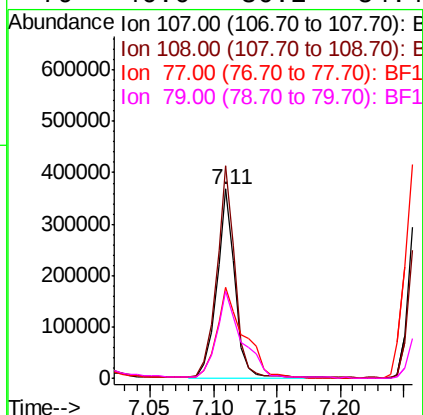
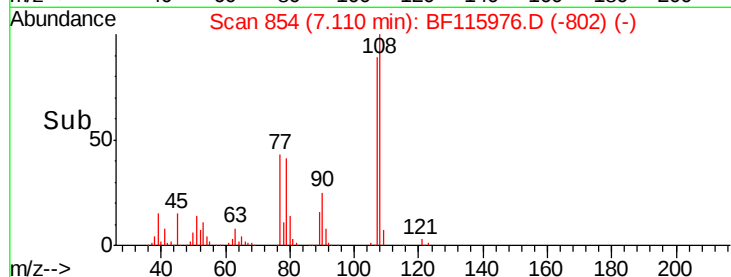
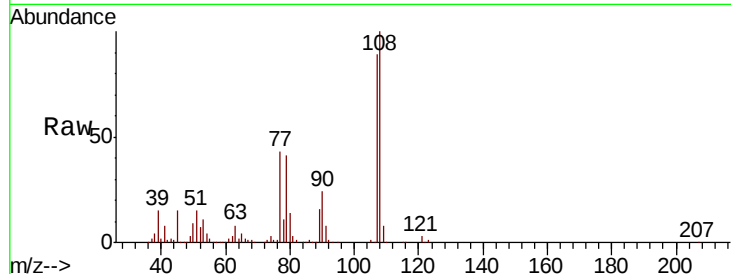




#17
2-Methylphenol
Concen: 46.088 ng
RT: 7.11 min Scan# 854
Delta R.T. 0.01 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

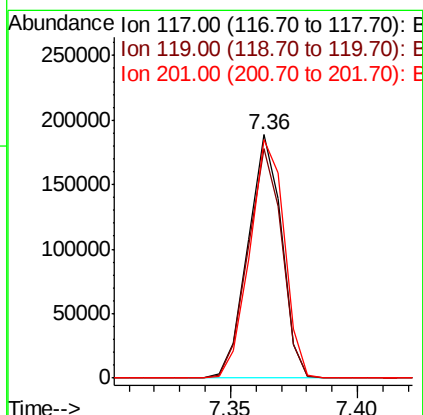
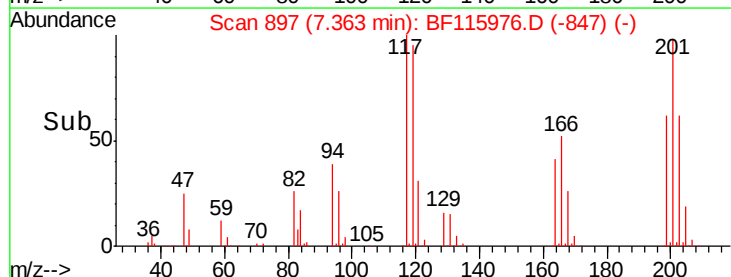
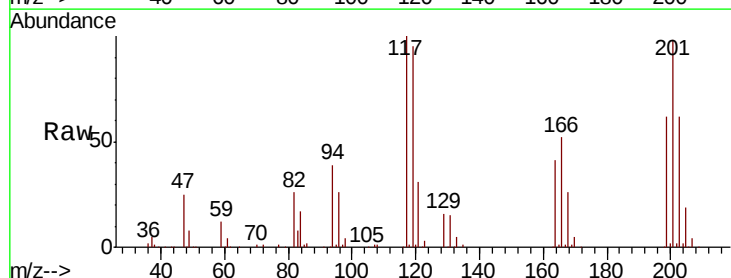
Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL02-RC

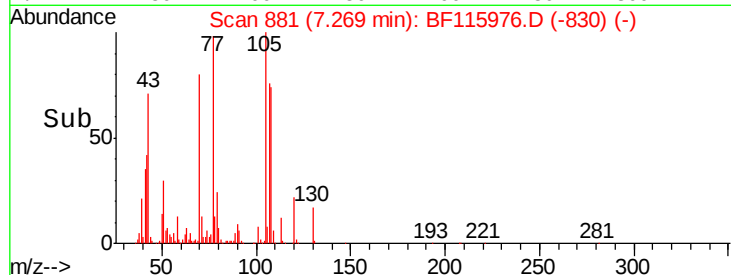
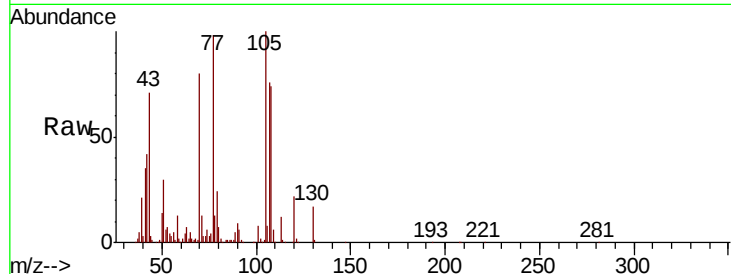
Tgt Ion	Ratio	Lower	Upper
107	100		
108	112.7	91.4	137.0
77	48.2	37.6	56.4
79	46.0	36.2	54.4



#18
Hexachloroethane
Concen: 43.385 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	75.8	113.6
201	98.0	82.0	123.0

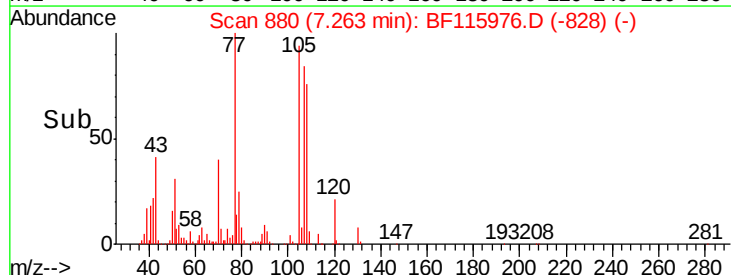
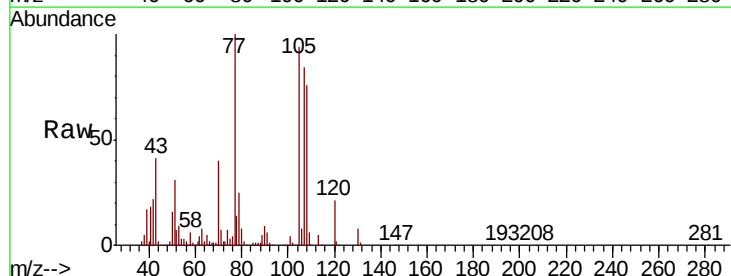
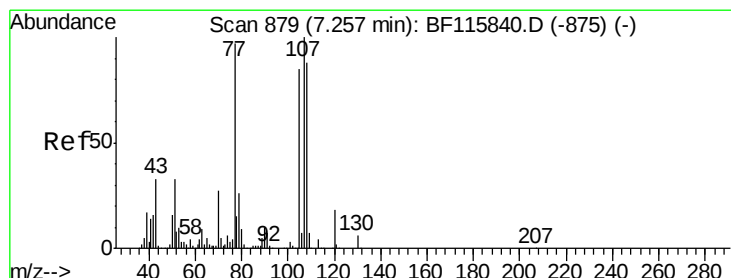
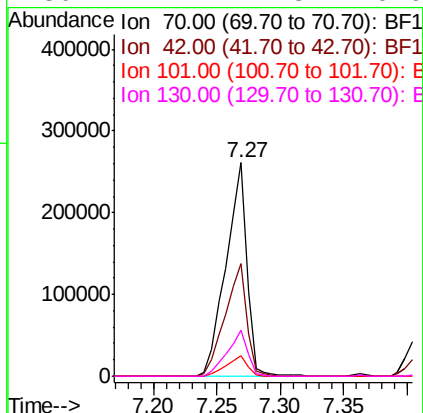




#19
n-Nitroso-di-n-propylamine
Concen: 45.019 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.00 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

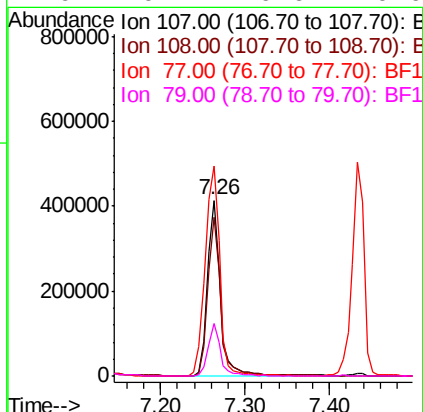
Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL02-RC

Tgt Ion:	70	Resp:	299711
Ion	Ratio	Lower	Upper
70	100		
42	53.0	41.8	62.8
101	9.8	7.7	11.5
130	21.7	17.8	26.6



#20
3+4-Methylphenols
Concen: 46.019 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.01 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Tgt Ion:	107	Resp:	434189
Ion	Ratio	Lower	Upper
107	100		
108	90.4	67.9	107.9
77	119.4	77.3	117.3#
79	29.7	6.6	46.6

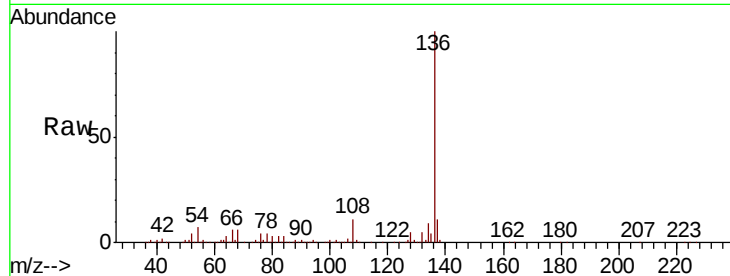




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL02-RC

Tgt Ion:	136	Resp:	584003
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	7.2	6.1	9.1
68	6.3	5.4	8.2



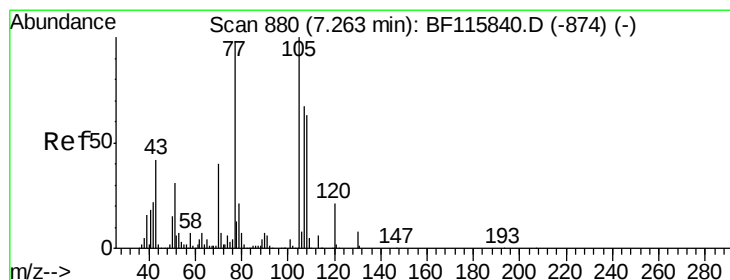
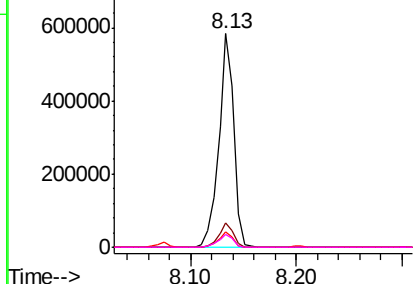
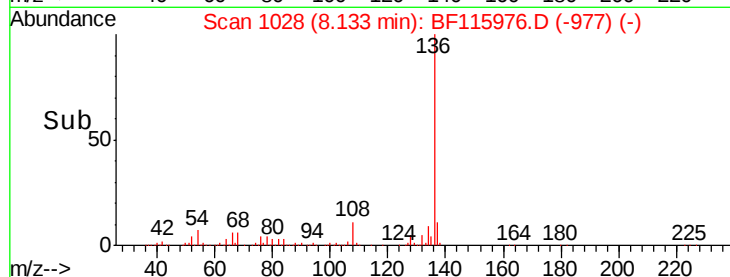
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

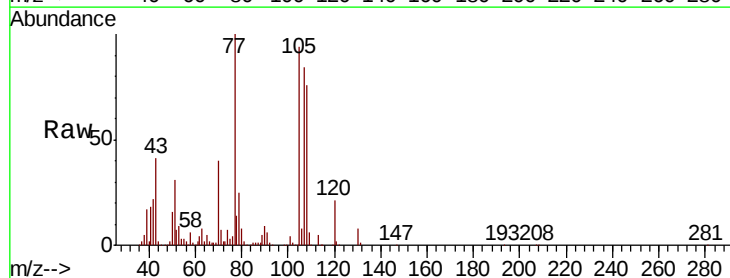
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22
Acetophenone
Concen: 45.782 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.00 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Tgt Ion:	105	Resp:	586370
Ion	Ratio	Lower	Upper
105	100		
71	7.2	5.4	8.0
51	33.2	24.6	36.8
120	22.0	17.0	25.6



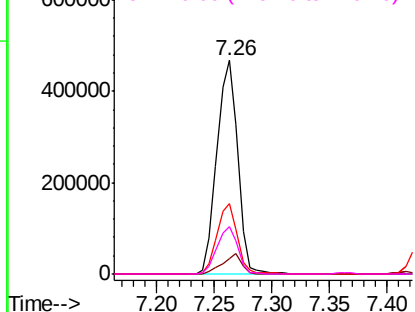
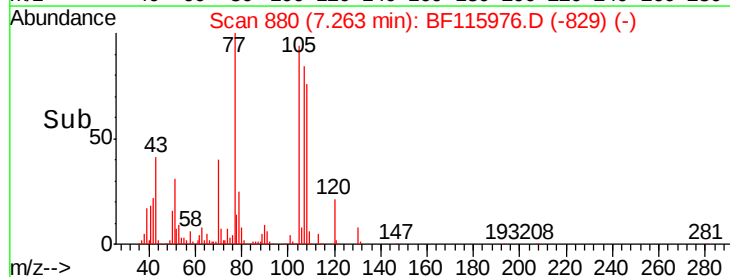
Abundance

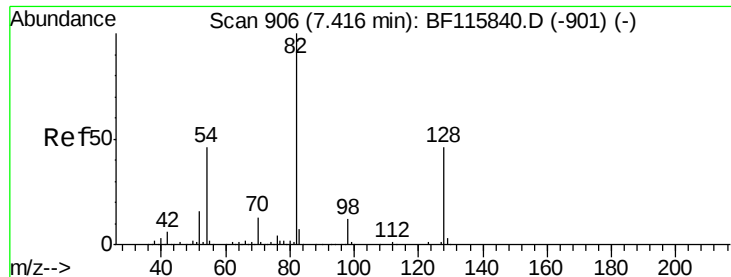
Ion 105.00 (104.70 to 105.70): E

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: 82.875 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.00 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL02-RC

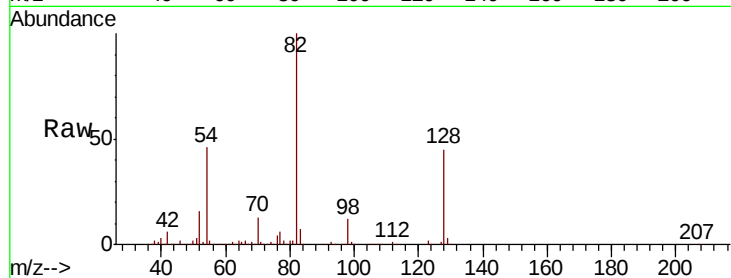
Tgt Ion: 82 Resp: 838476

Ion Ratio Lower Upper

82 100

128 45.2 36.6 55.0

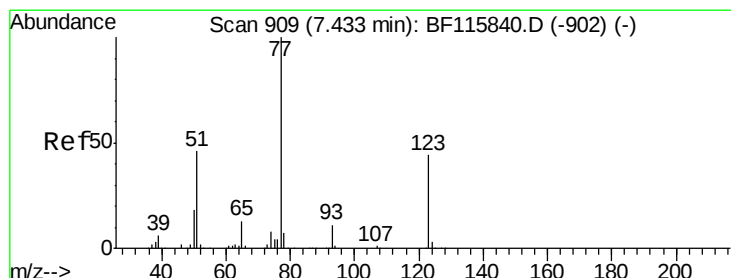
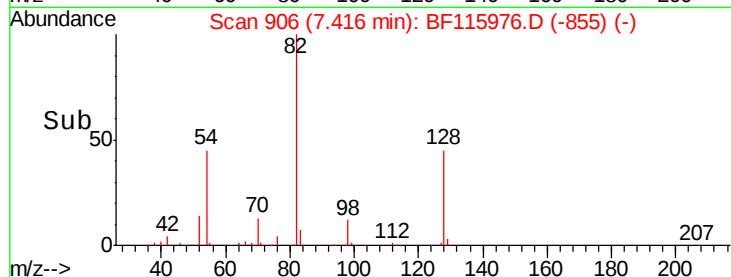
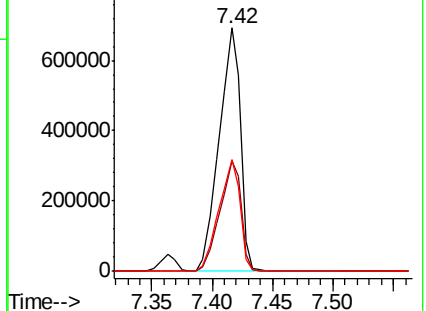
54 45.7 36.6 55.0



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#24

Nitrobenzene

Concen: 45.040 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.00 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

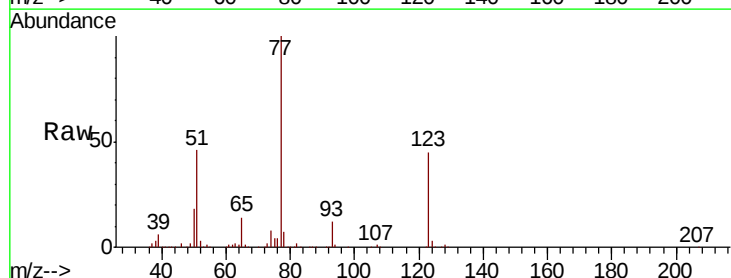
Tgt Ion: 77 Resp: 492032

Ion Ratio Lower Upper

77 100

123 44.8 35.5 53.3

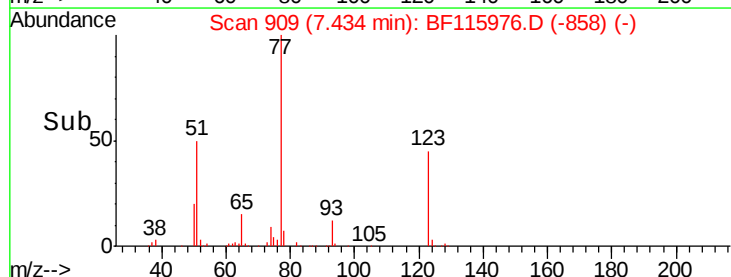
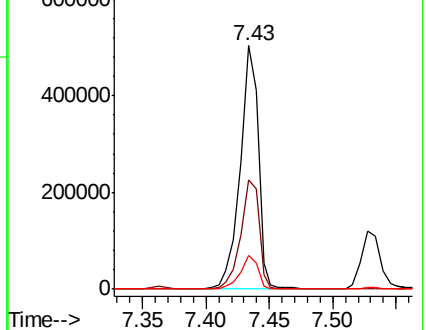
65 13.7 10.6 15.8

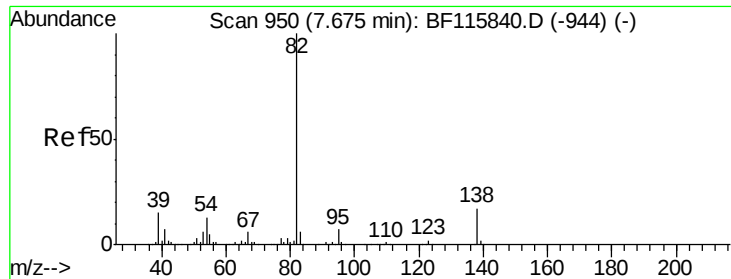


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 45.865 ng

RT: 7.67 min Scan# 950

Delta R.T. 0.00 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL02-RC

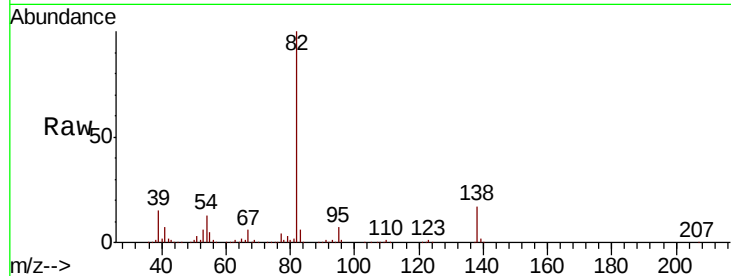
Tgt Ion: 82 Resp: 887293

Ion Ratio Lower Upper

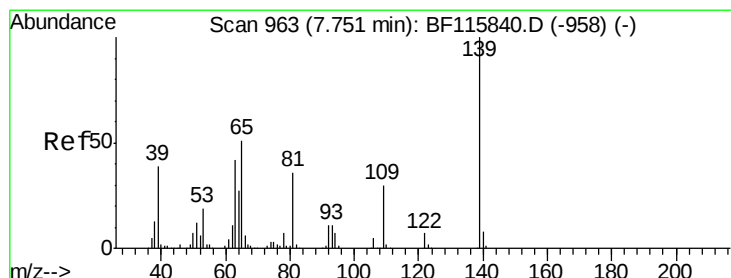
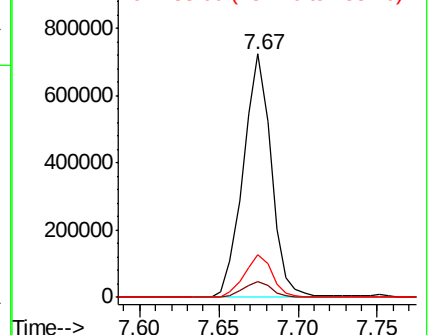
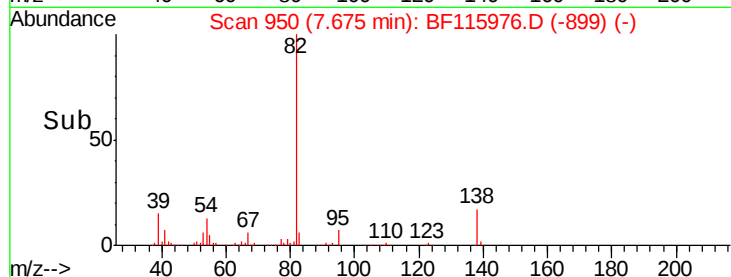
82 100

95 6.7 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: 47.008 ng

RT: 7.75 min Scan# 963

Delta R.T. 0.00 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

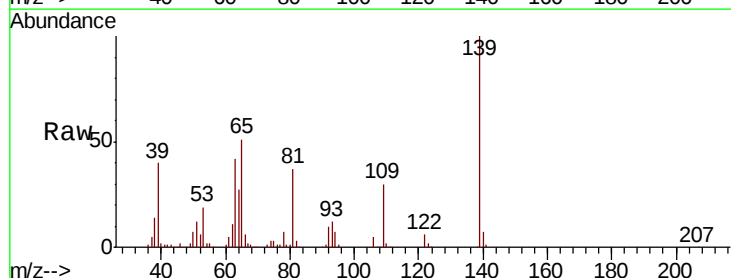
Tgt Ion: 139 Resp: 242071

Ion Ratio Lower Upper

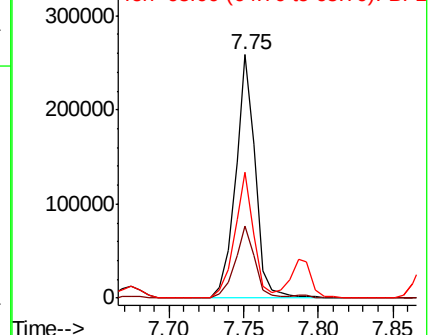
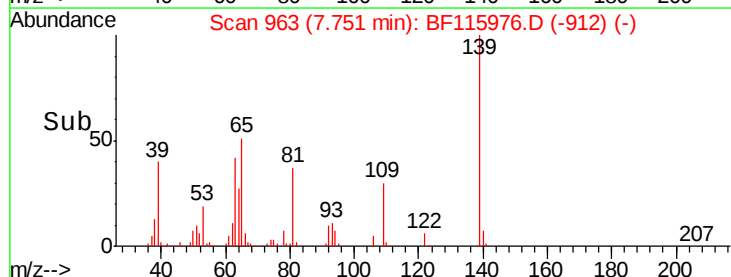
139 100

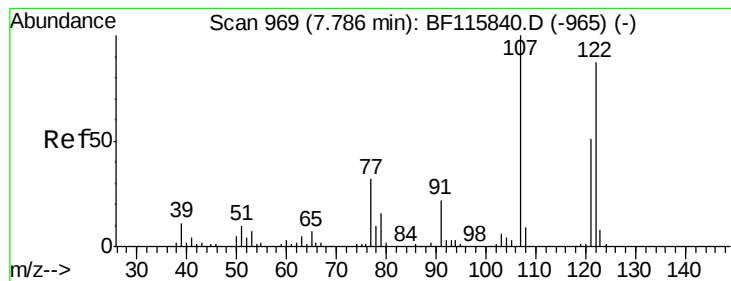
109 29.5 23.6 35.4

65 51.5 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: 51.299 ng

RT: 7.79 min Scan# 970

Delta R.T. 0.01 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL02-RC

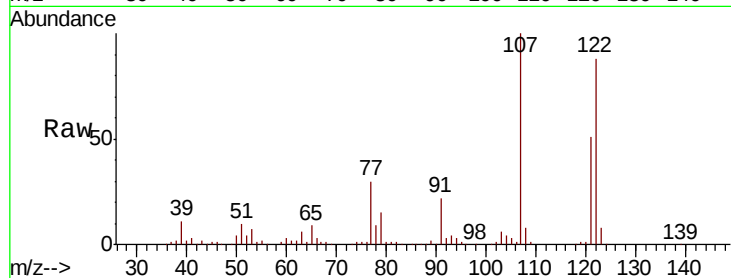
Tgt Ion:122 Resp: 397431

Ion Ratio Lower Upper

122 100

107 113.9 91.7 137.5

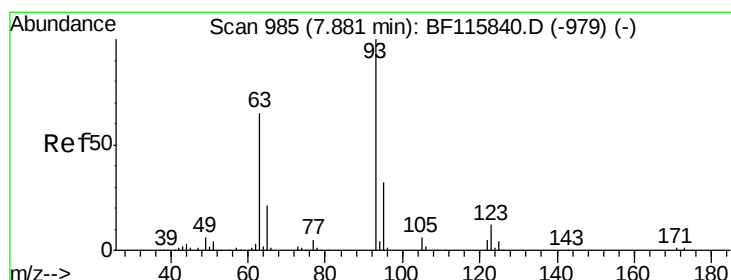
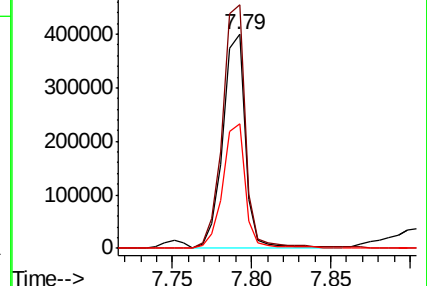
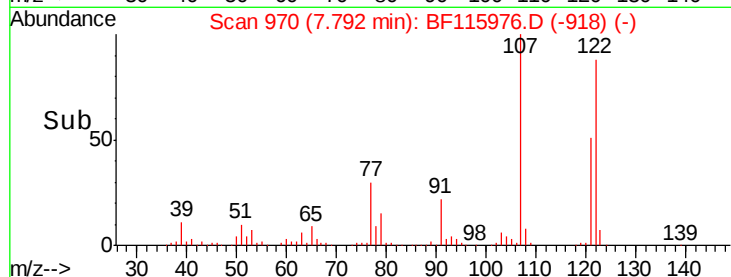
121 58.3 46.6 70.0



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 45.154 ng

RT: 7.88 min Scan# 985

Delta R.T. 0.00 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

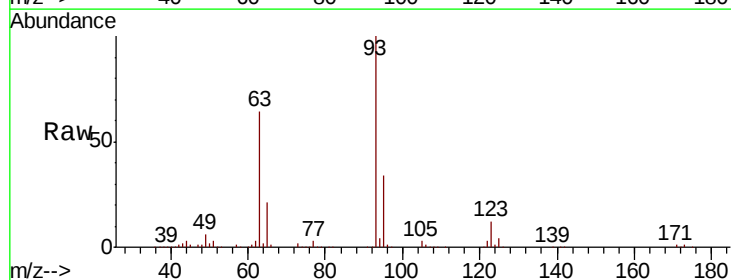
Tgt Ion: 93 Resp: 541434

Ion Ratio Lower Upper

93 100

95 33.5 26.0 39.0

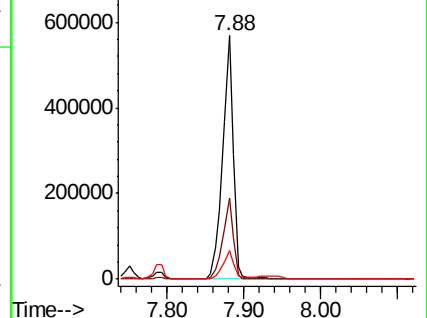
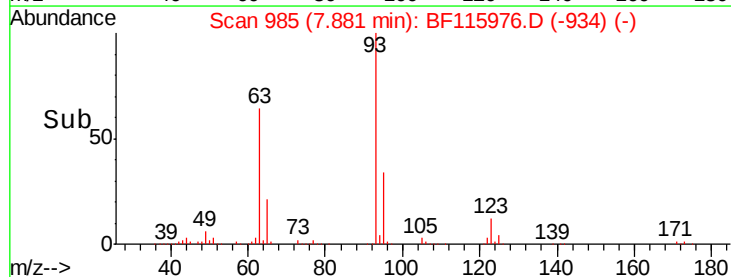
123 11.7 9.5 14.3

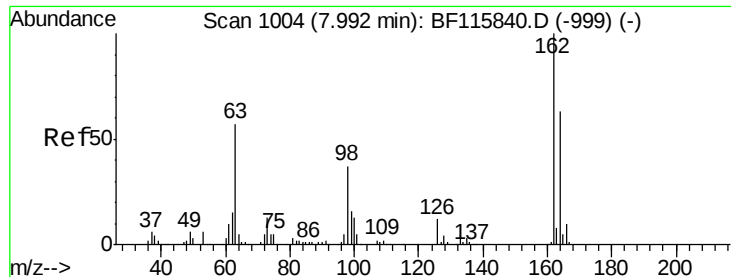


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

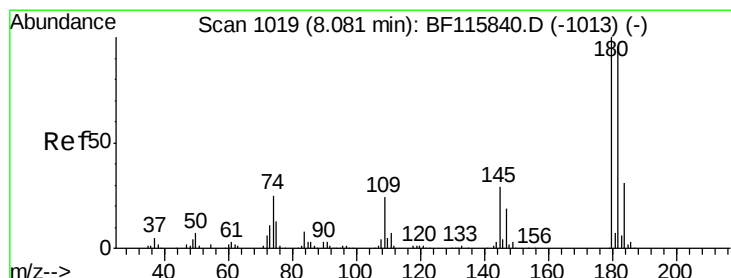
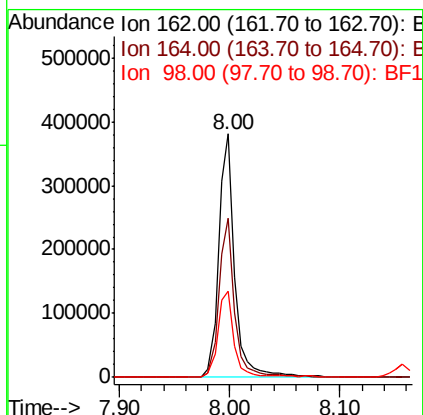
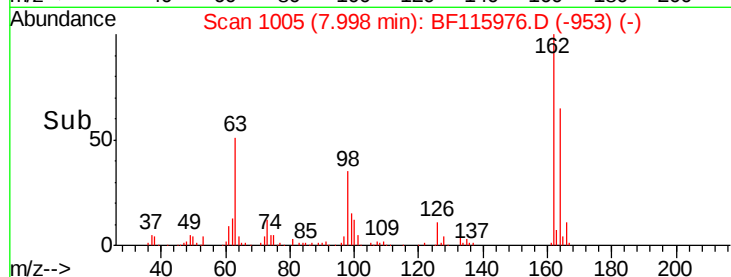
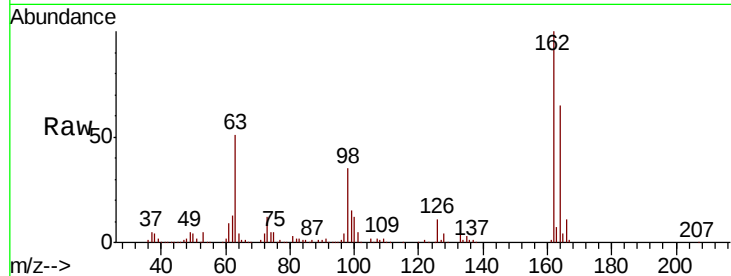




#29
 2,4-Dichlorophenol
 Concen: 46.751 ng
 RT: 8.00 min Scan# 1005
 Delta R.T. 0.01 min
 Lab File: BF115976.D
 Acq: 3 Aug 2019 12:50

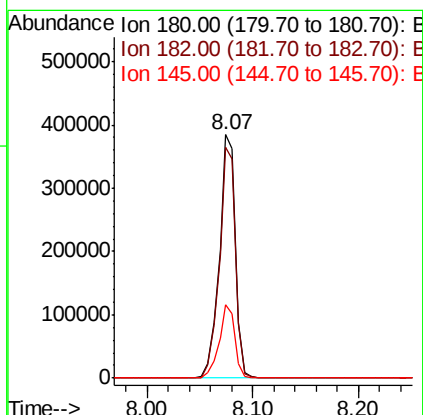
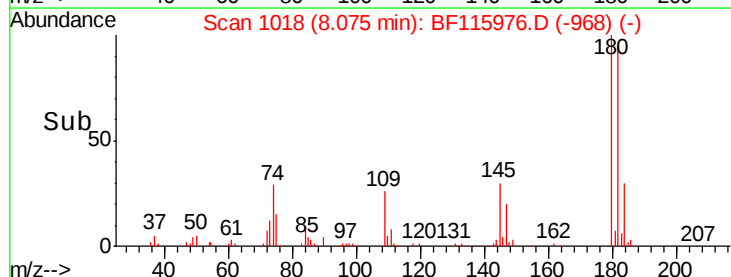
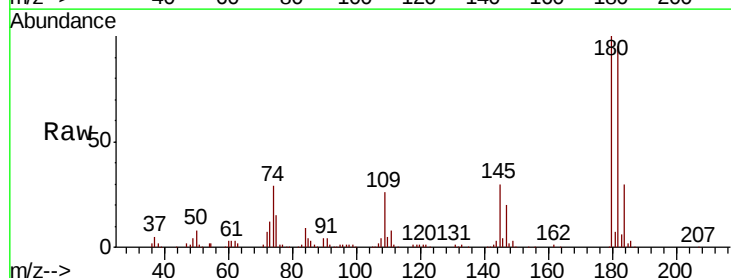
Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL02-RC

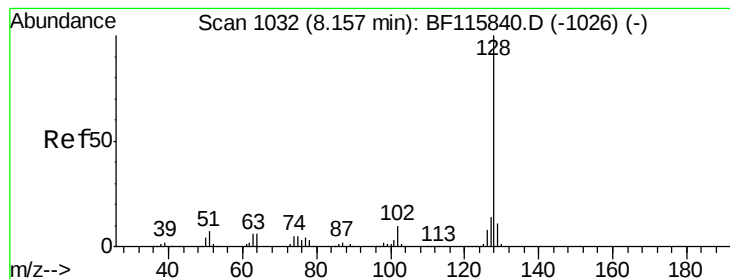
Tgt Ion:162 Resp: 382434
 Ion Ratio Lower Upper
 162 100
 164 65.3 43.2 83.2
 98 35.3 17.3 57.3



#30
 1,2,4-Trichlorobenzene
 Concen: 44.227 ng
 RT: 8.07 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: BF115976.D
 Acq: 3 Aug 2019 12:50

Tgt Ion:180 Resp: 412399
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.6 114.8
 145 30.1 23.2 34.8





#31

Naphthalene

Concen: 45.892 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL02-RC

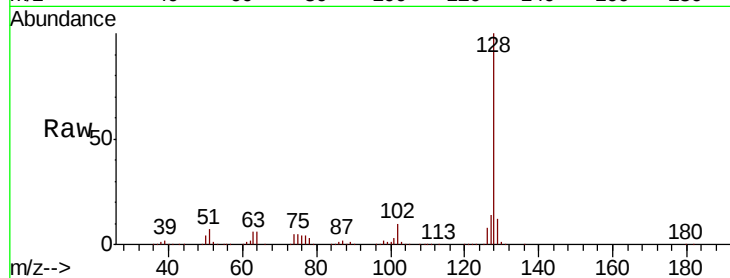
Tgt Ion:128 Resp: 1261206

Ion Ratio Lower Upper

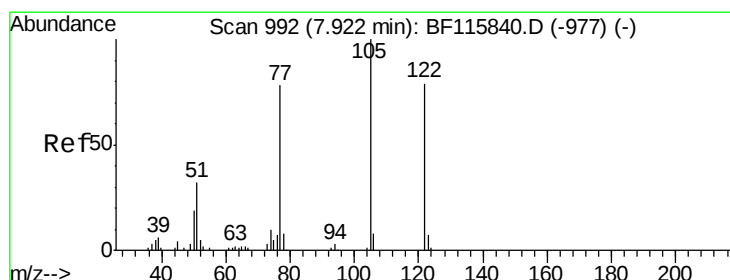
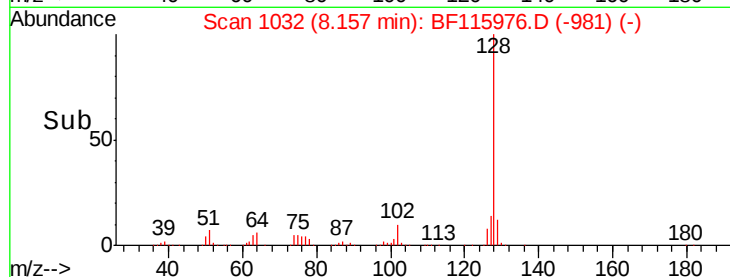
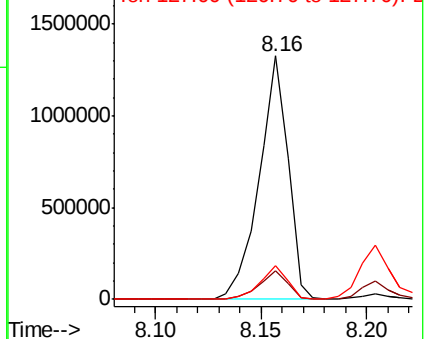
128 100

129 11.5 9.2 13.8

127 13.7 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: 44.408 ng

RT: 7.95 min Scan# 996

Delta R.T. 0.02 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

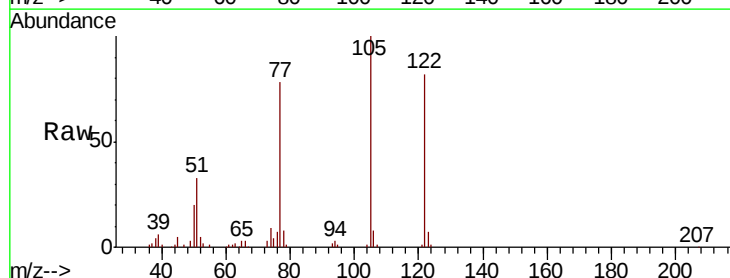
Tgt Ion:122 Resp: 242563

Ion Ratio Lower Upper

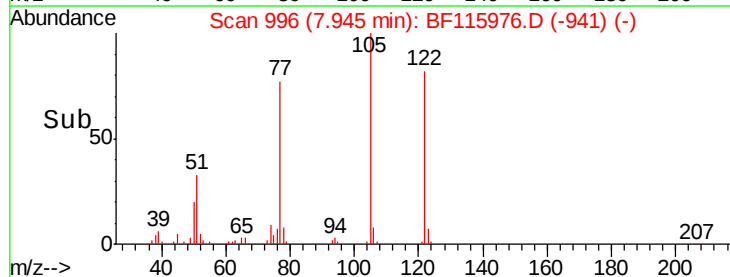
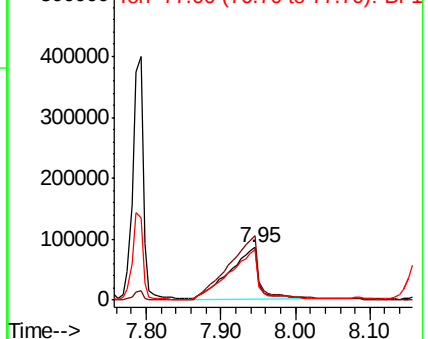
122 100

105 121.3 103.1 143.1

77 94.4 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

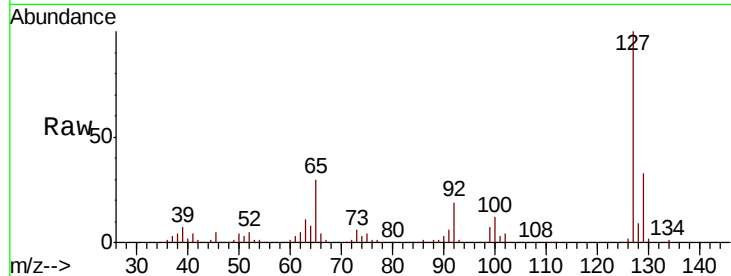




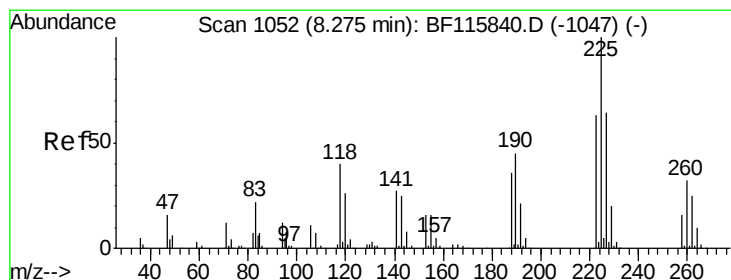
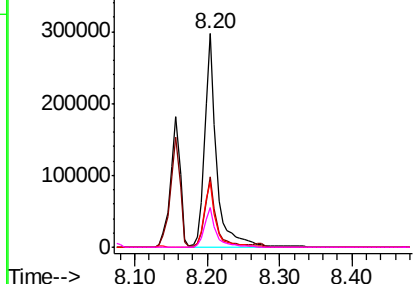
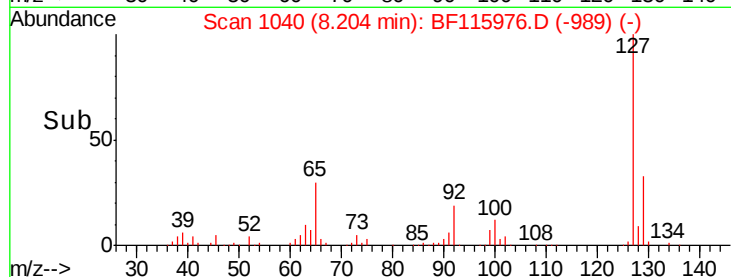
#33
4-Chloroaniline
Concen: 27.748 ng
RT: 8.20 min Scan# 1040
Delta R.T. 0.00 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL02-RC

Tgt Ion:	127	Resp:	340726
Ion	Ratio	Lower	Upper
127	100		
129	32.9	26.0	39.0
65	30.4	23.9	35.9
92	18.5	14.9	22.3

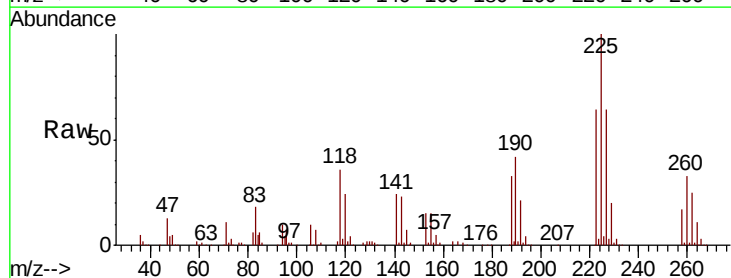


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

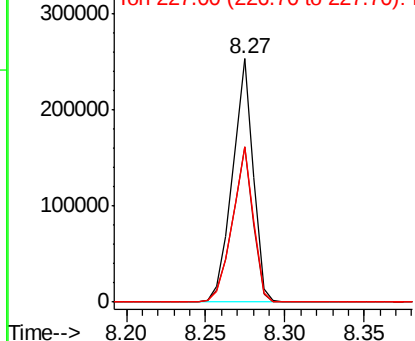
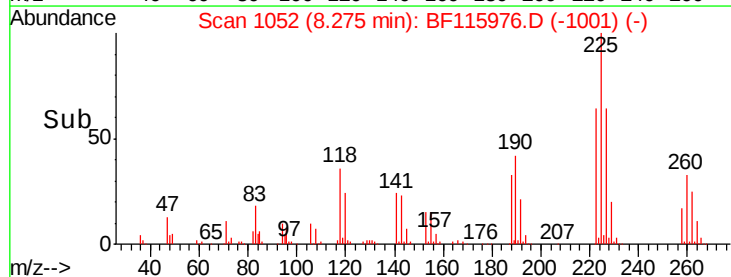


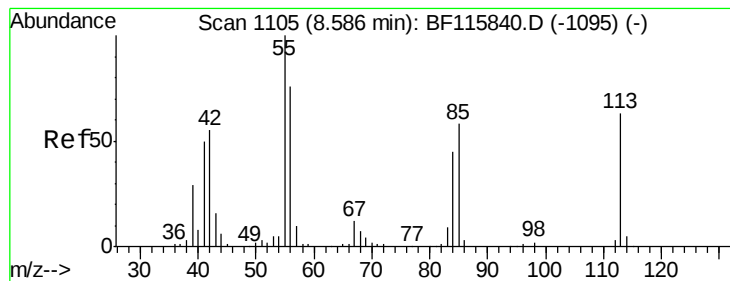
#34
Hexachlorobutadiene
Concen: 42.833 ng
RT: 8.27 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Tgt Ion:	225	Resp:	230057
Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.4	75.6
227	63.7	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: 27.177 ng

RT: 8.59 min Scan# 1106

Delta R.T. 0.01 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL02-RC

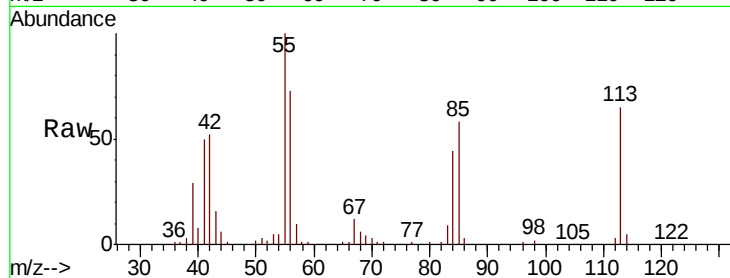
Tgt Ion:113 Resp: 71901

Ion Ratio Lower Upper

113 100

55 153.8 138.1 178.1

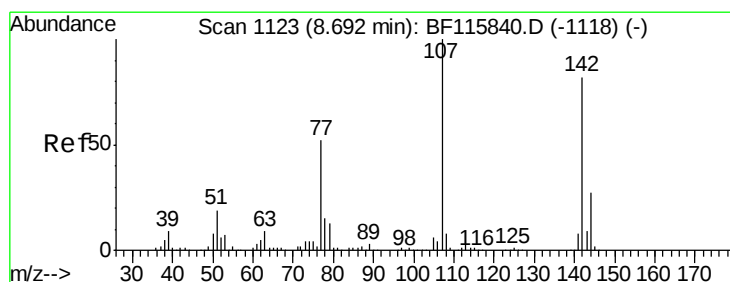
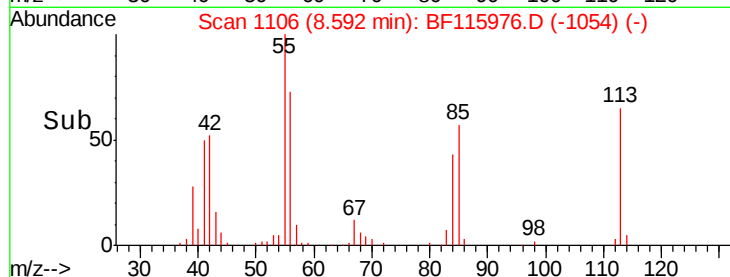
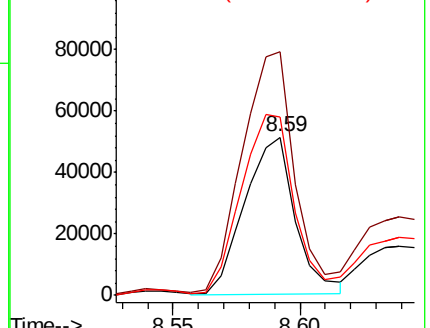
56 112.9 100.6 140.6



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 48.058 ng

RT: 8.70 min Scan# 1124

Delta R.T. 0.01 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

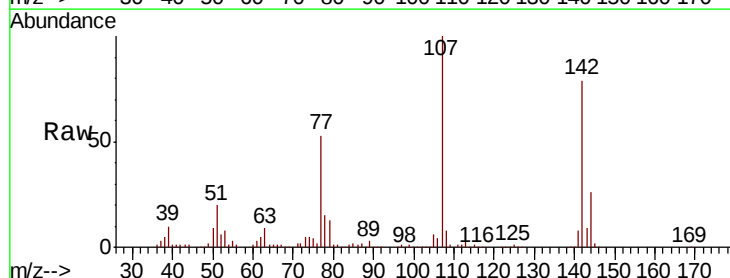
Tgt Ion:107 Resp: 408973

Ion Ratio Lower Upper

107 100

144 25.8 21.4 32.0

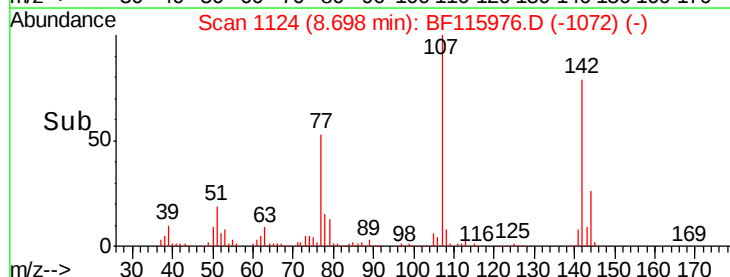
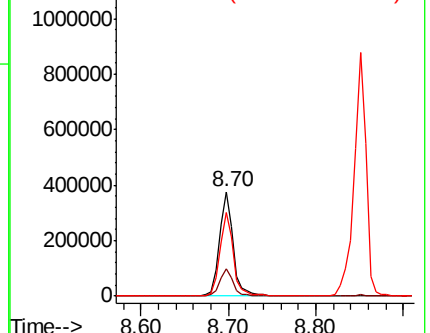
142 79.4 65.5 98.3

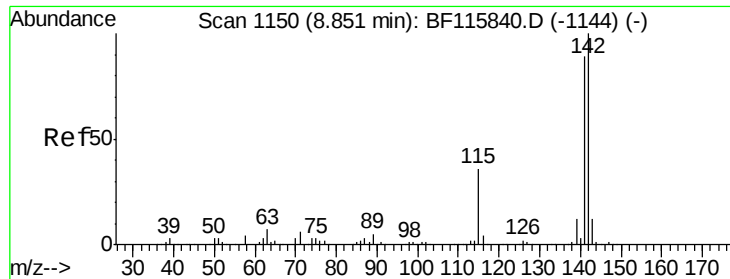


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

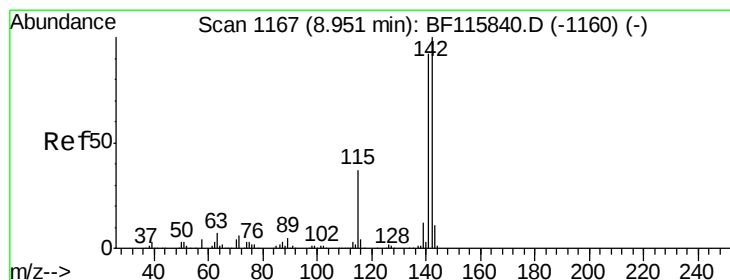
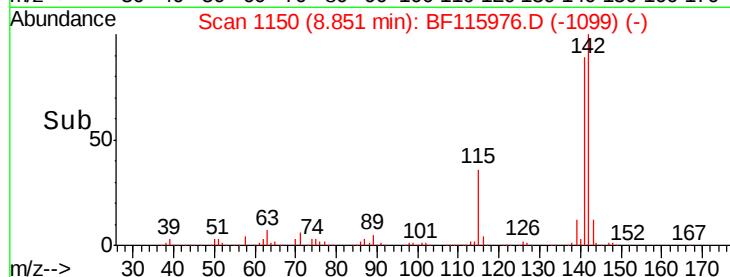
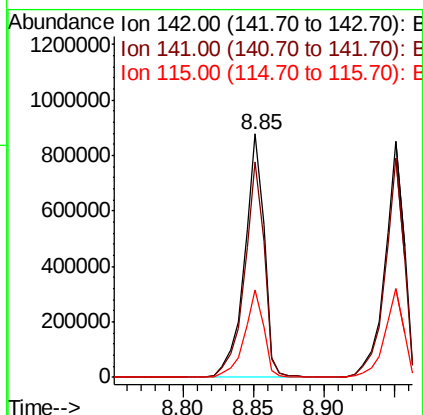
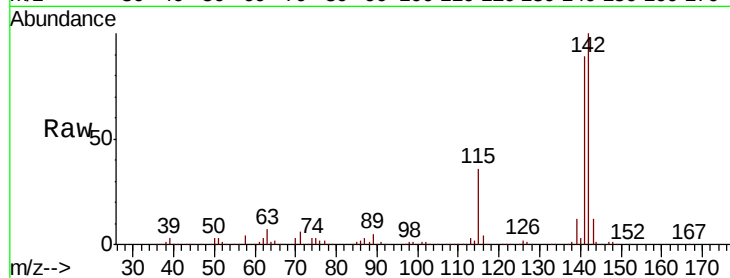




#37
2-Methylnaphthalene
Concen: 46.985 ng
RT: 8.85 min Scan# 1150
Delta R.T. 0.00 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

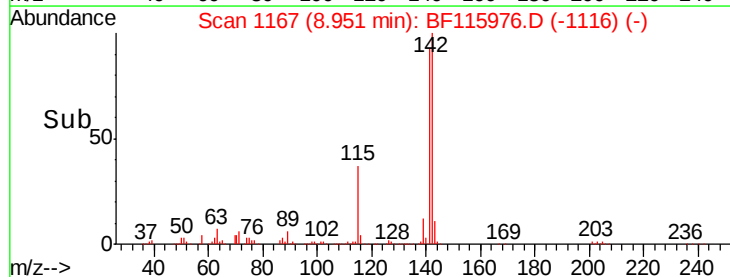
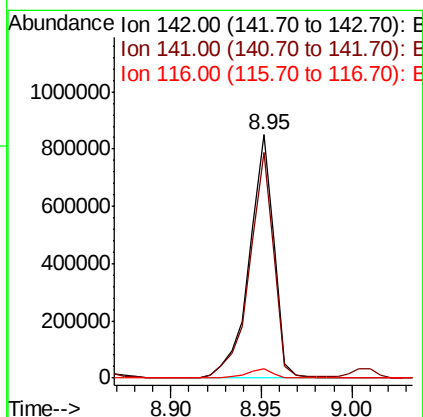
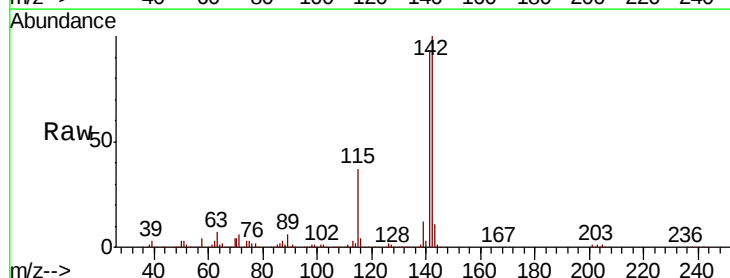
Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL02-RC

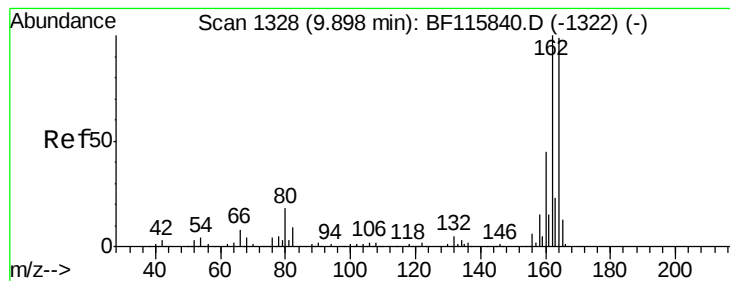
Tgt Ion:142 Resp: 850388
Ion Ratio Lower Upper
142 100
141 88.8 71.4 107.2
115 36.0 28.9 43.3



#38
1-Methylnaphthalene
Concen: 46.259 ng
RT: 8.95 min Scan# 1167
Delta R.T. 0.00 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Tgt Ion:142 Resp: 792071
Ion Ratio Lower Upper
142 100
141 92.8 73.8 110.6
116 4.0 3.1 4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.00 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL02-RC

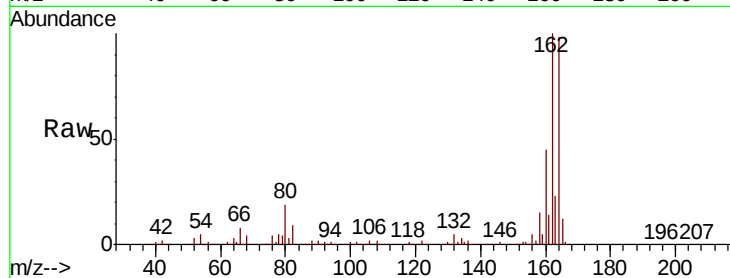
Tgt Ion:164 Resp: 319274

Ion Ratio Lower Upper

164 100

162 102.4 80.8 121.2

160 46.3 36.2 54.4

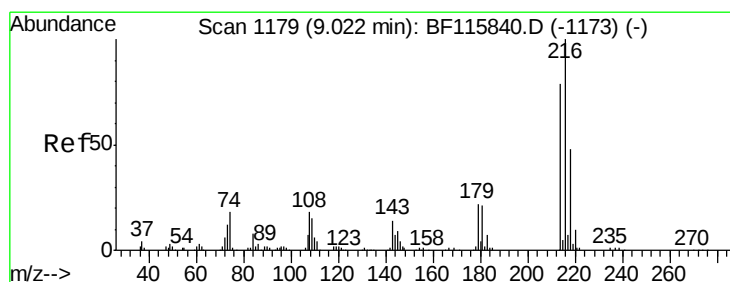
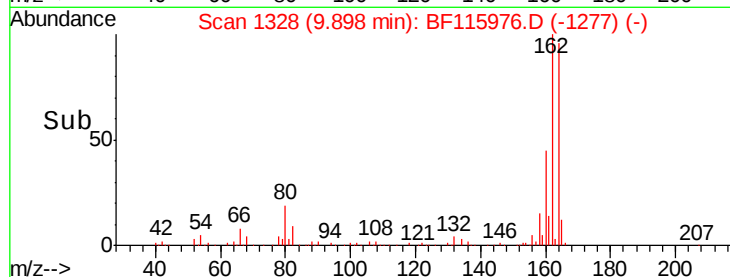
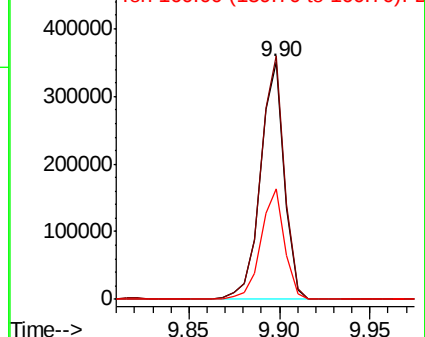


Abundance

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: 45.496 ng

RT: 9.02 min Scan# 1179

Delta R.T. 0.00 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Tgt Ion:216 Resp: 388331

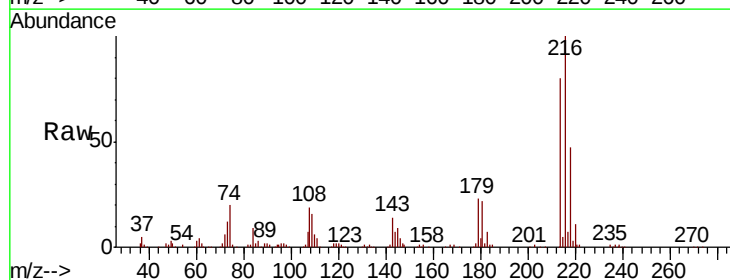
Ion Ratio Lower Upper

216 100

214 79.5 62.8 94.2

179 22.2 17.6 26.4

108 21.5 16.1 24.1



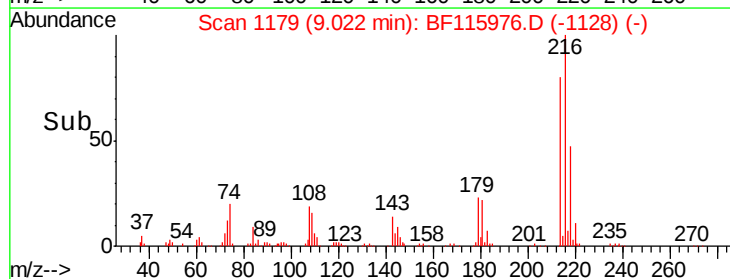
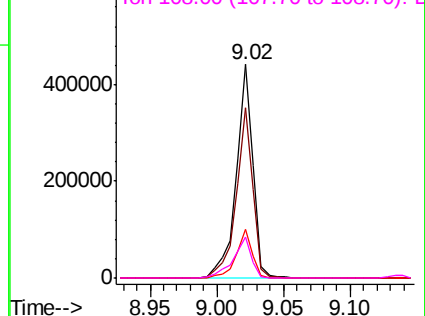
Abundance

Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 66.533 ng

RT: 9.01 min Scan# 1177

Delta R.T. 0.00 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL02-RC

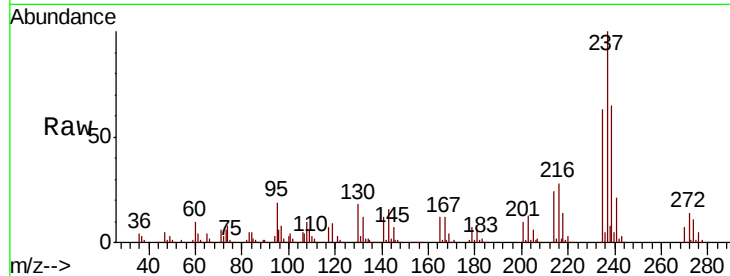
Tgt Ion:237 Resp: 250818

Ion Ratio Lower Upper

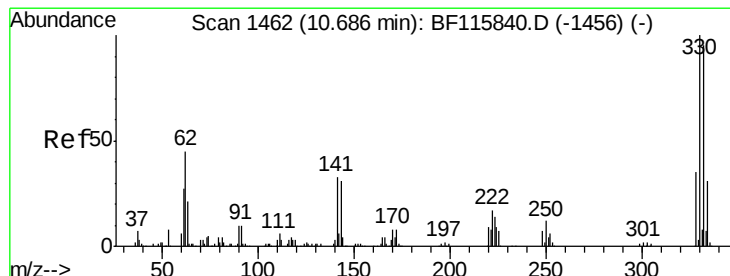
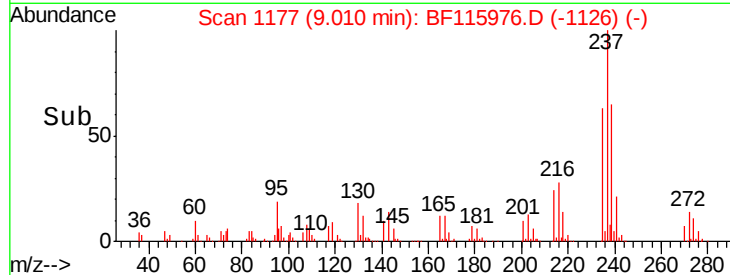
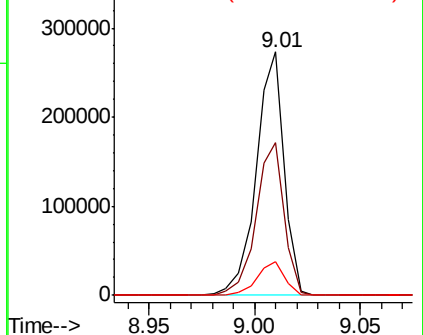
237 100

235 62.7 42.5 82.5

272 13.6 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: 120.579 ng

RT: 10.69 min Scan# 1463

Delta R.T. 0.01 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

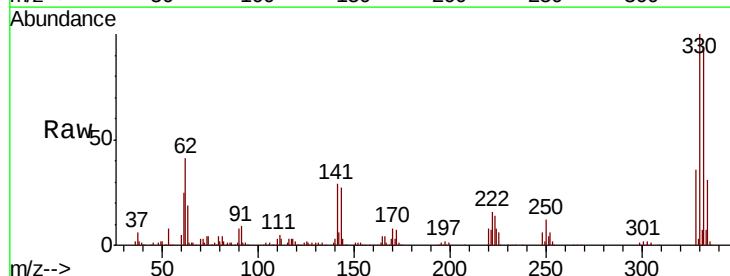
Tgt Ion:330 Resp: 373247

Ion Ratio Lower Upper

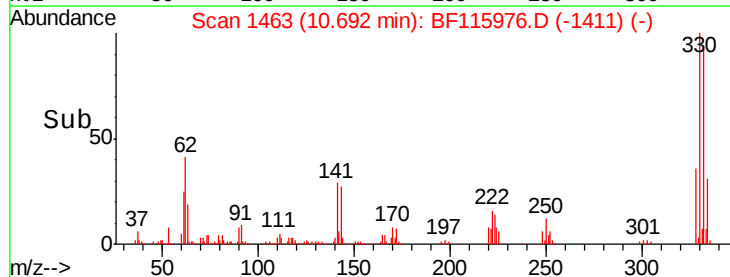
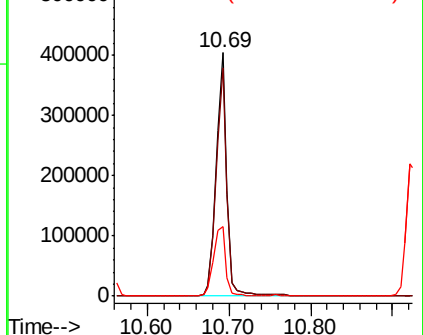
330 100

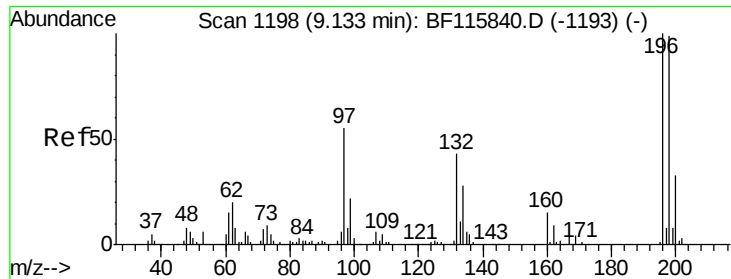
332 95.7 77.7 116.5

141 32.4 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

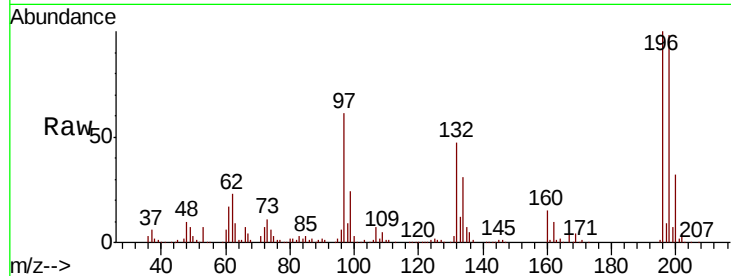




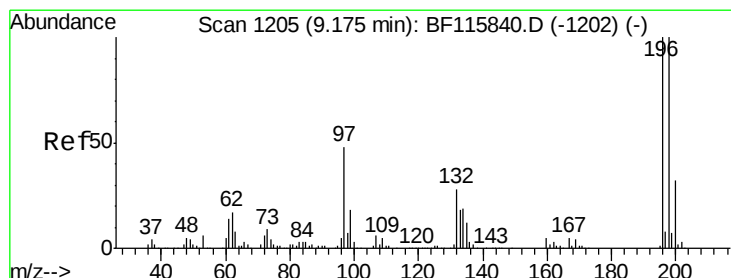
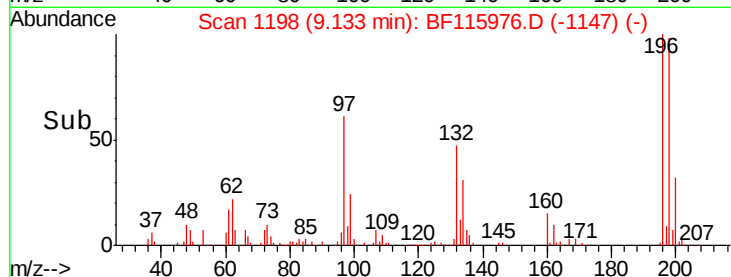
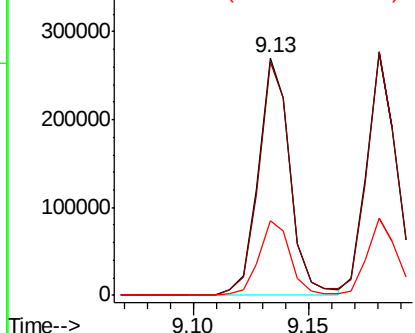
#43
 2,4,6-Trichlorophenol
 Concen: 44.027 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. 0.00 min
 Lab File: BF115976.D
 Acq: 3 Aug 2019 12:50

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL02-RC

Tgt Ion:196 Resp: 258660
 Ion Ratio Lower Upper
 196 100
 198 98.2 79.1 118.7
 200 31.5 26.0 39.0

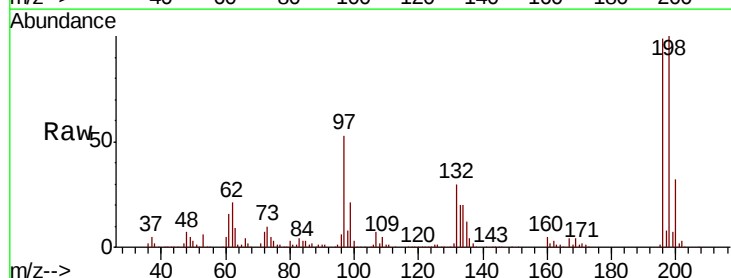


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

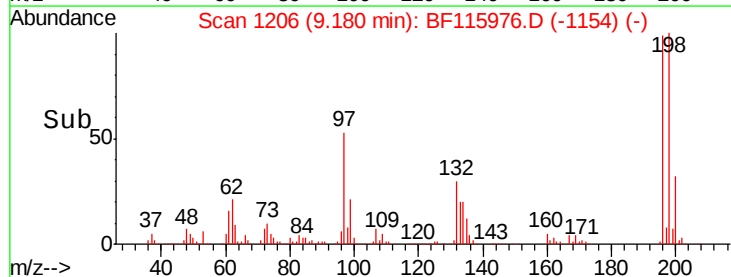
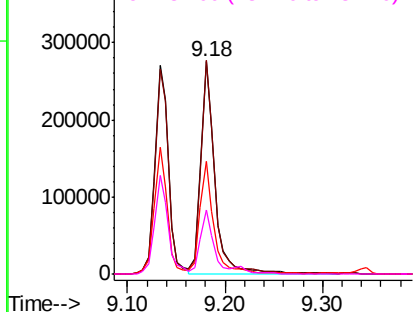


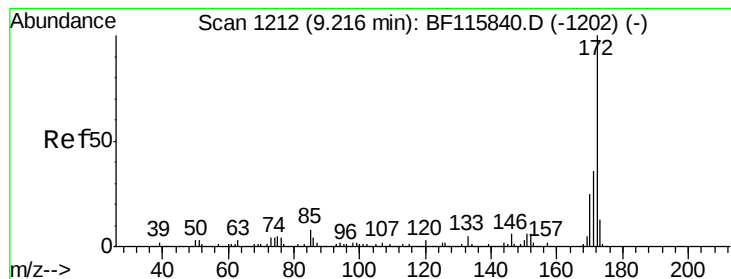
#44
 2,4,5-Trichlorophenol
 Concen: 45.019 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: BF115976.D
 Acq: 3 Aug 2019 12:50

Tgt Ion:196 Resp: 273406
 Ion Ratio Lower Upper
 196 100
 198 100.6 80.1 120.1
 97 53.2 38.9 58.3
 132 29.9 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: 86.085 ng

RT: 9.22 min Scan# 1212

Delta R.T. 0.00 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL02-RC

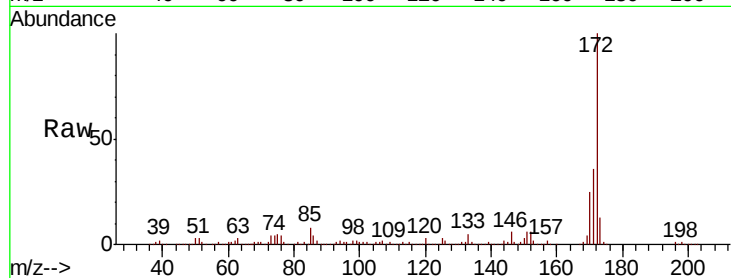
Tgt Ion:172 Resp: 1467361

Ion Ratio Lower Upper

172 100

171 36.2 29.1 43.7

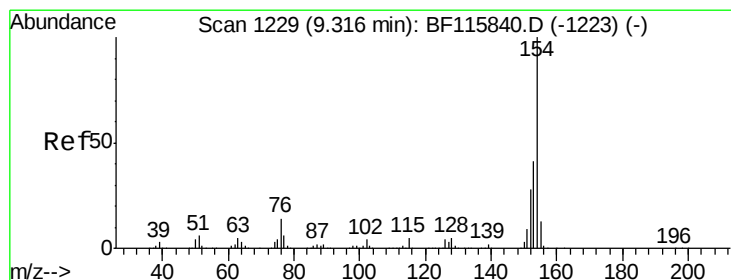
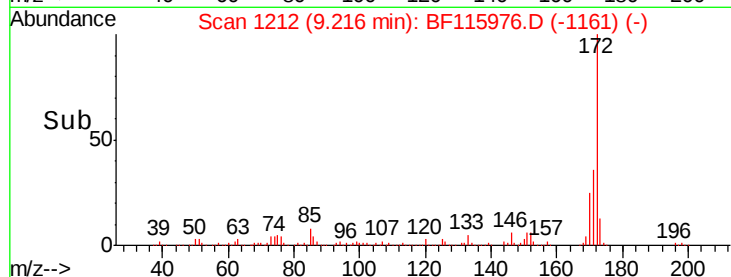
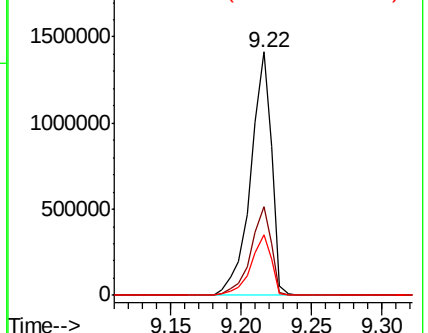
170 24.8 20.1 30.1



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46

1,1'-Biphenyl

Concen: 45.128 ng

RT: 9.32 min Scan# 1229

Delta R.T. 0.00 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

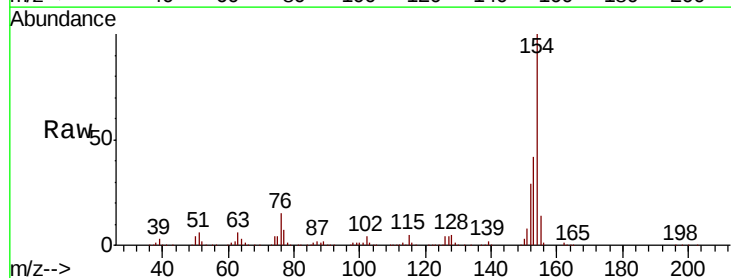
Tgt Ion:154 Resp: 1017212

Ion Ratio Lower Upper

154 100

153 41.5 20.9 60.9

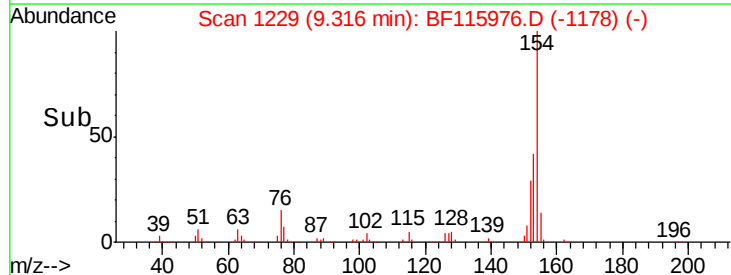
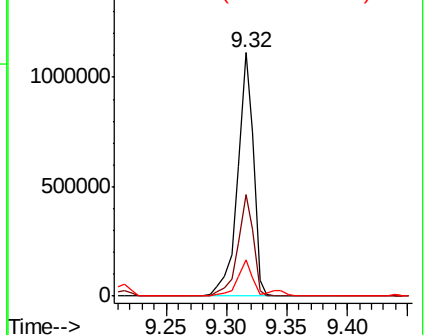
76 14.9 0.0 34.3

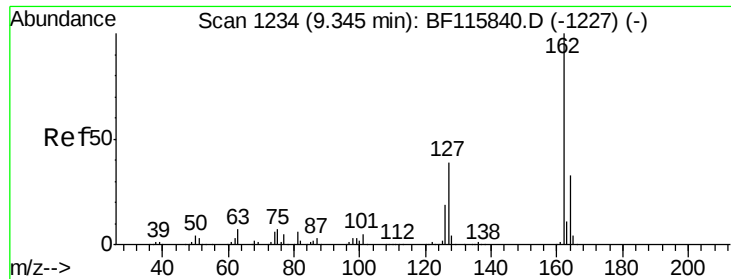


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1

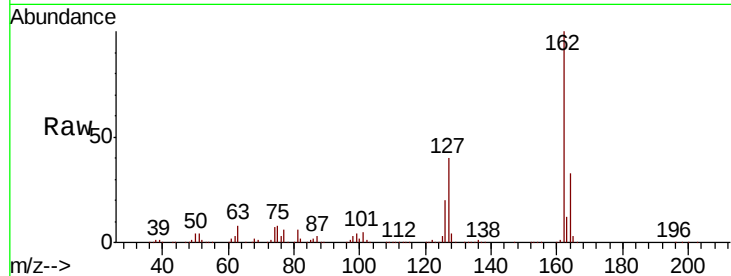




#47
 2-Chloronaphthalene
 Concen: 43.424 ng
 RT: 9.35 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: BF115976.D
 Acq: 3 Aug 2019 12:50

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL02-RC

Tgt Ion	Ratio	Lower	Upper
162	100		
127	39.6	31.3	46.9
164	33.4	26.6	40.0

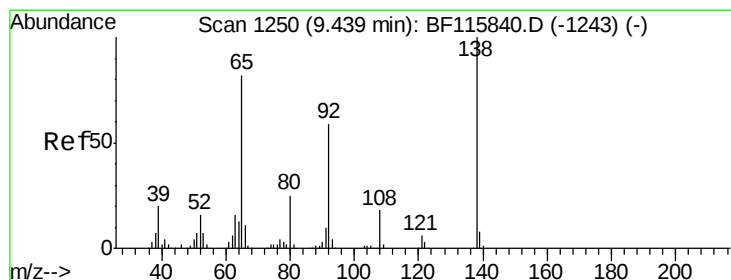
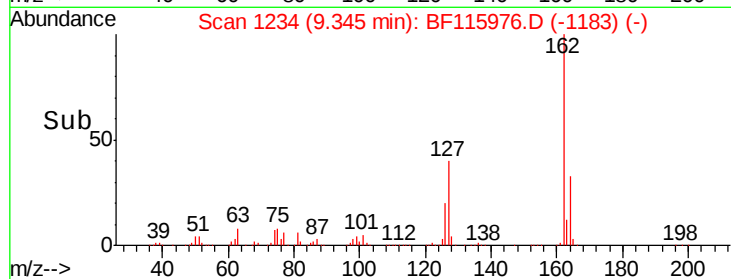
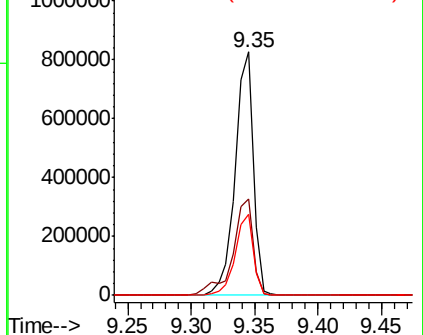


Abundance

Ion 162.00 (161.70 to 162.70): E

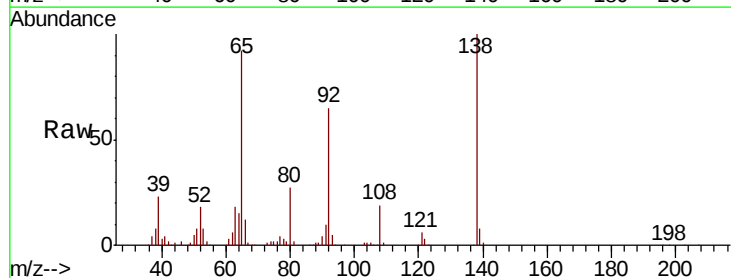
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48
 2-Nitroaniline
 Concen: 42.584 ng
 RT: 9.44 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: BF115976.D
 Acq: 3 Aug 2019 12:50

Tgt Ion	Ratio	Lower	Upper
65	100		
92	70.6	57.1	85.7
138	109.2	97.1	145.7

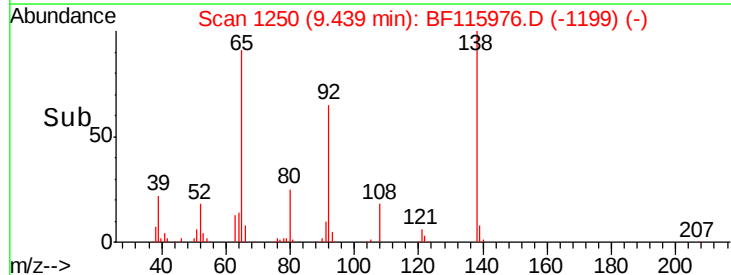
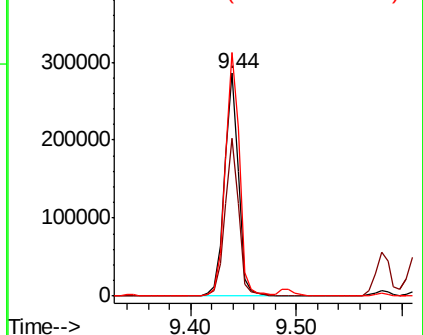


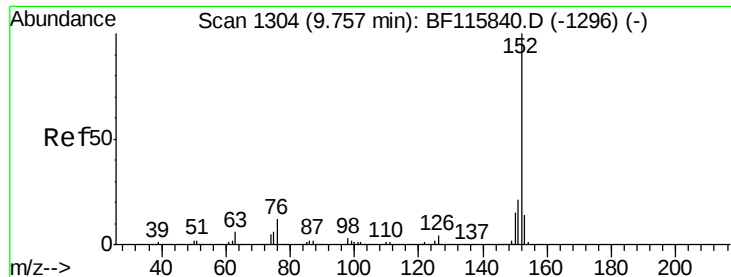
Abundance

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: 45.509 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.00 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL02-RC

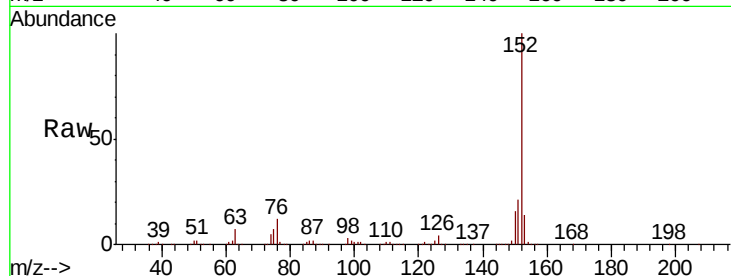
Tgt Ion:152 Resp: 1245572

Ion Ratio Lower Upper

152 100

151 21.0 16.8 25.2

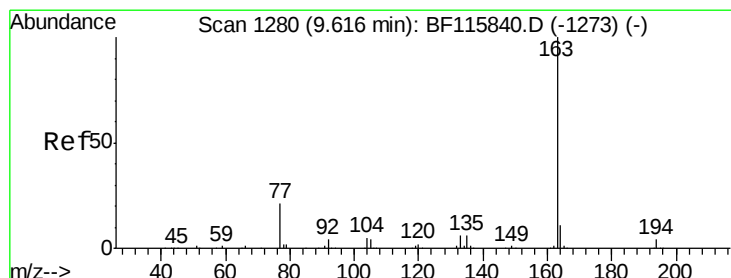
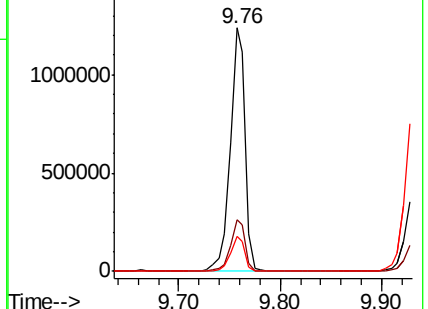
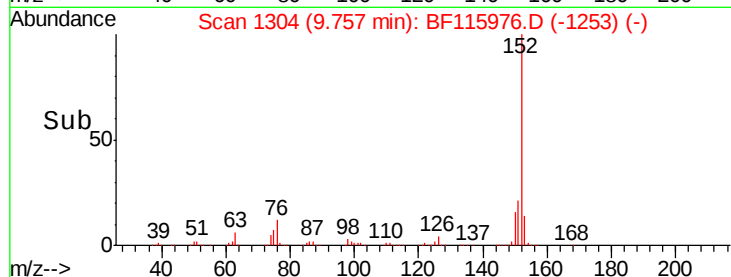
153 14.4 11.6 17.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 45.330 ng

RT: 9.62 min Scan# 1281

Delta R.T. 0.01 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

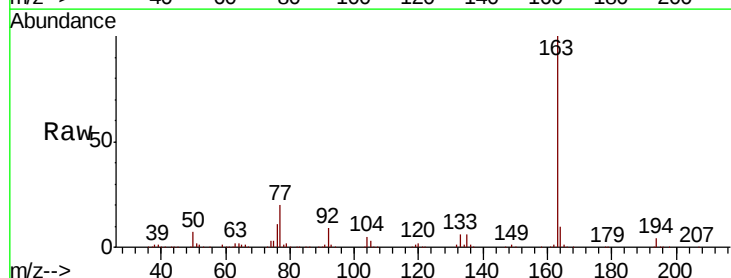
Tgt Ion:163 Resp: 985423

Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

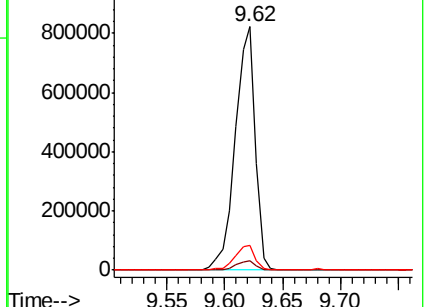
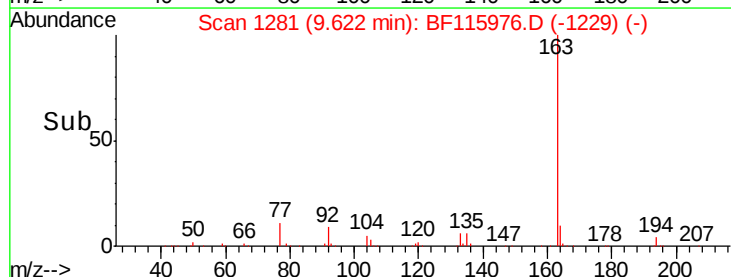
164 10.2 8.4 12.6

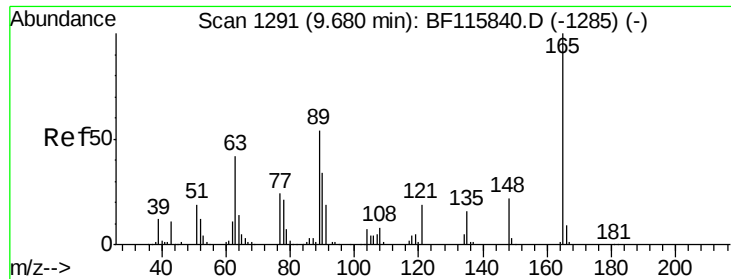


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

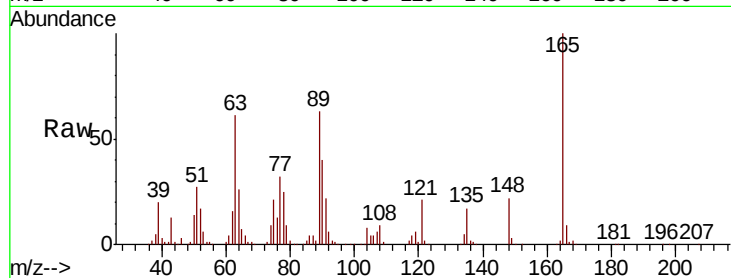




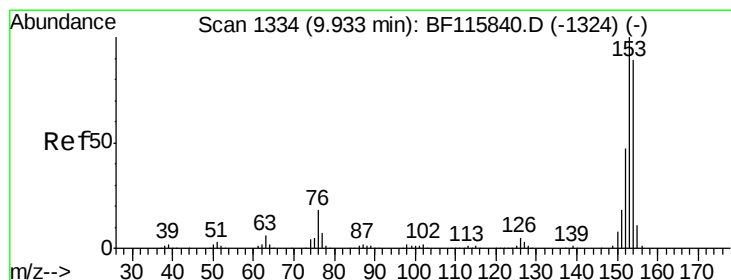
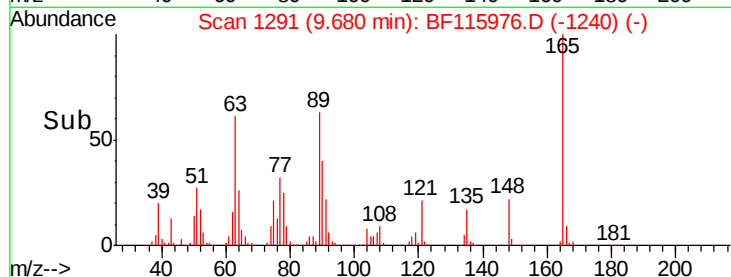
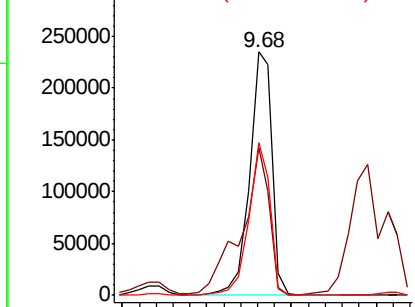
#51
 2,6-Dinitrotoluene
 Concen: 46.196 ng
 RT: 9.68 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: BF115976.D
 Acq: 3 Aug 2019 12:50

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL02-RC

Tgt Ion:165 Resp: 218244
 Ion Ratio Lower Upper
 165 100
 63 60.8 39.4 59.2#
 89 62.9 43.0 64.6

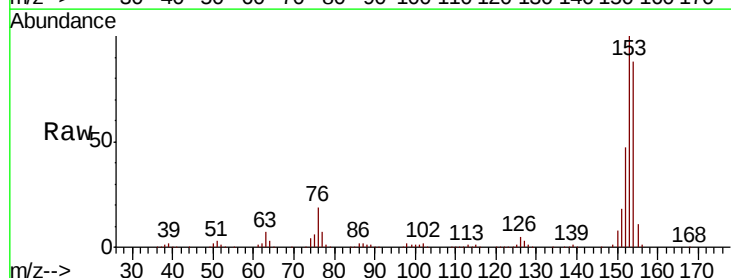


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

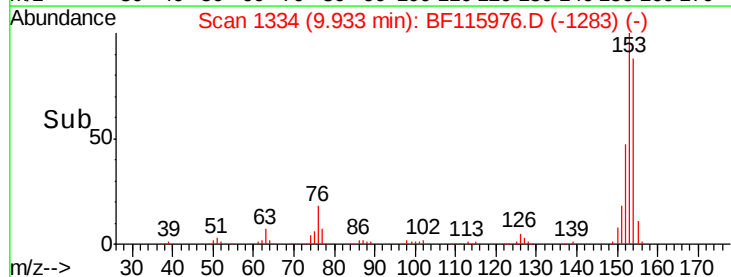
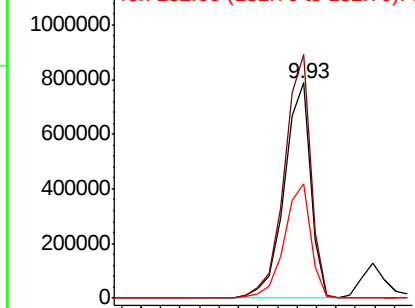


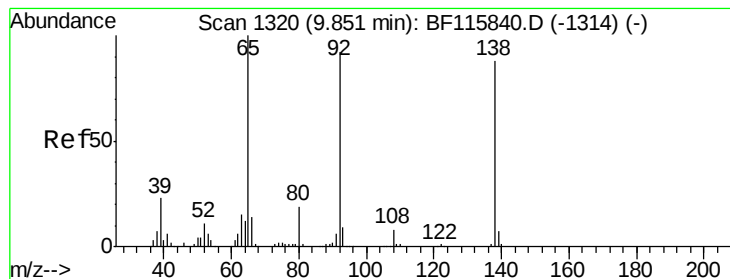
#52
 Acenaphthene
 Concen: 44.057 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: BF115976.D
 Acq: 3 Aug 2019 12:50

Tgt Ion:154 Resp: 739756
 Ion Ratio Lower Upper
 154 100
 153 113.3 90.1 135.1
 152 53.2 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: 30.255 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.00 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL02-RC

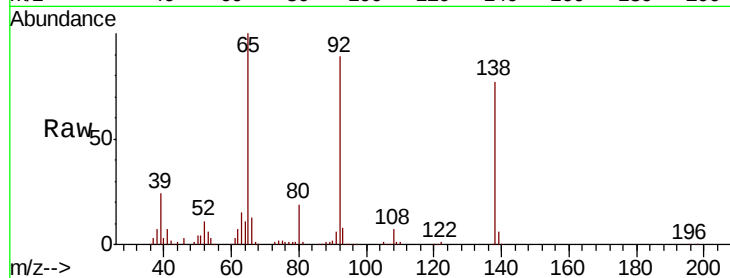
Tgt Ion:138 Resp: 176611

Ion Ratio Lower Upper

138 100

108 9.7 7.4 11.2

92 115.6 83.9 125.9

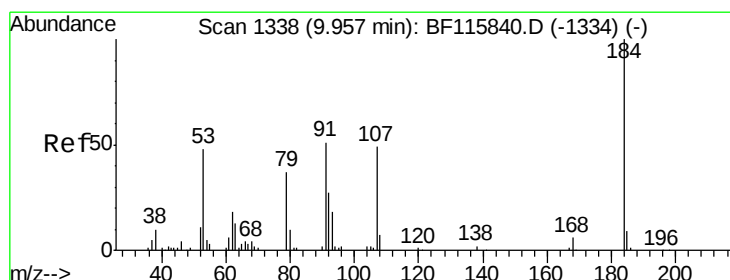
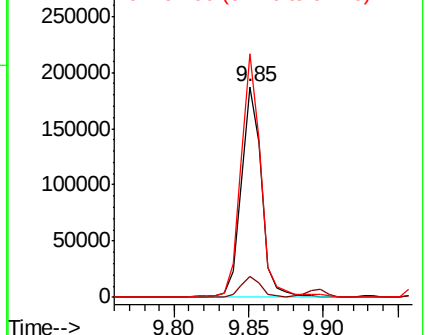
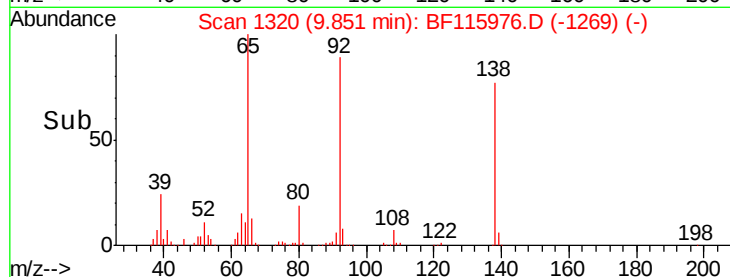


Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54

2,4-Dinitrophenol

Concen: 78.745 ng

RT: 9.97 min Scan# 1340

Delta R.T. 0.01 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

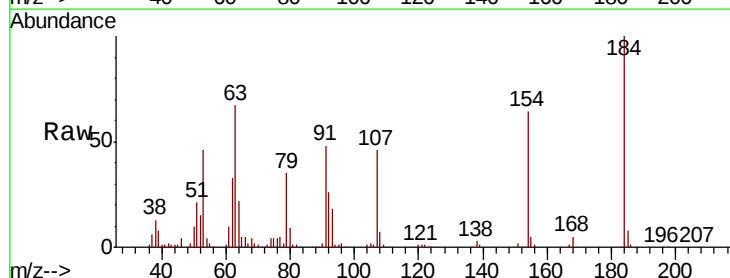
Tgt Ion:184 Resp: 188885

Ion Ratio Lower Upper

184 100

63 66.9 56.7 85.1

154 63.7 51.9 77.9

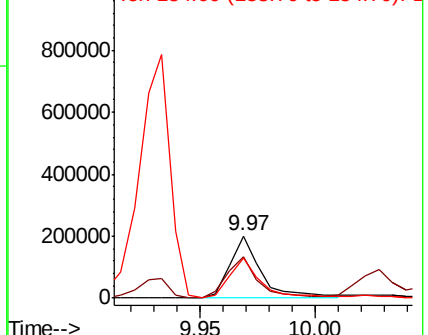
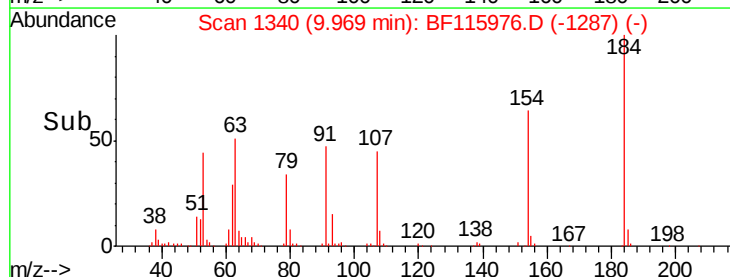


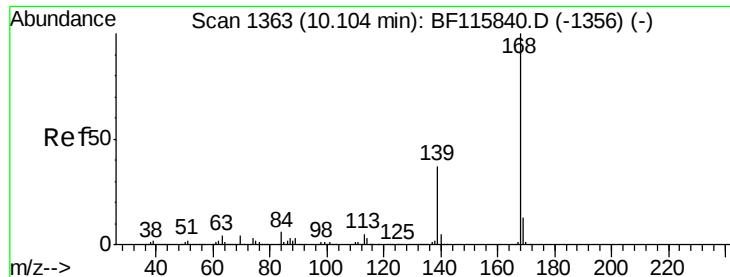
Abundance

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

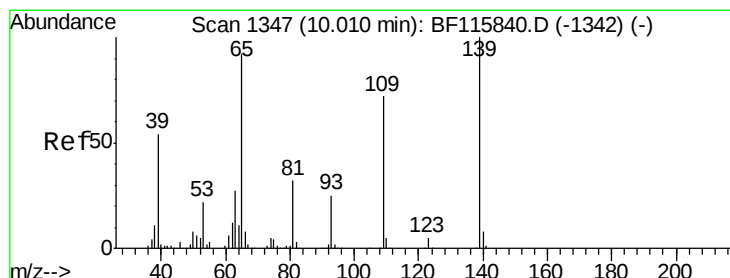
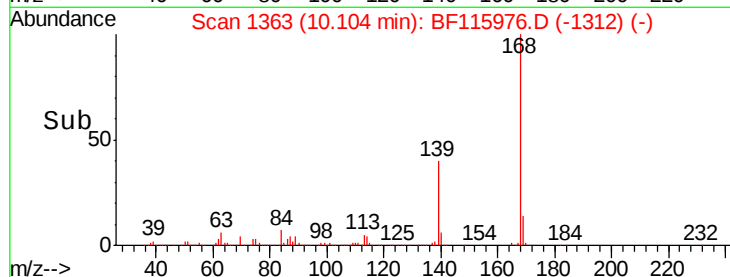
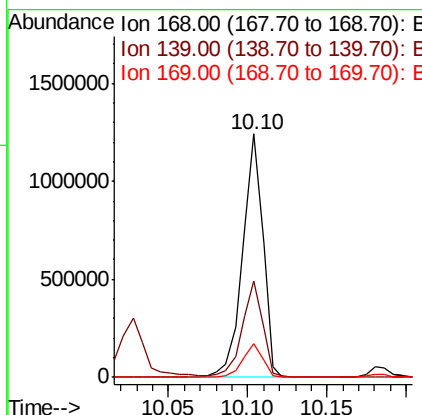
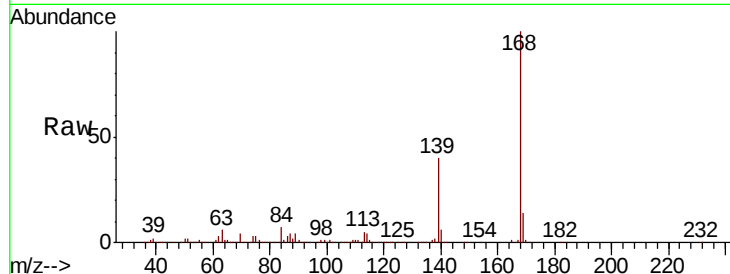




#55
Dibenzenofuran
Concen: 45.066 ng
RT: 10.10 min Scan# 1363
Delta R.T. 0.00 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

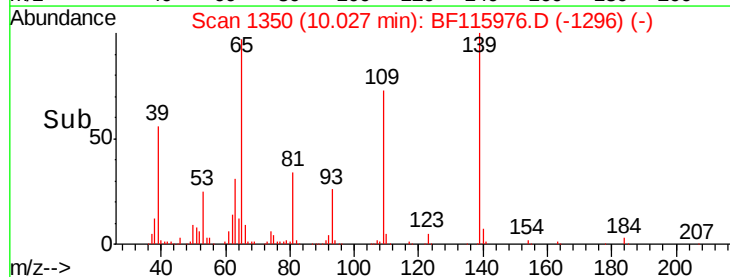
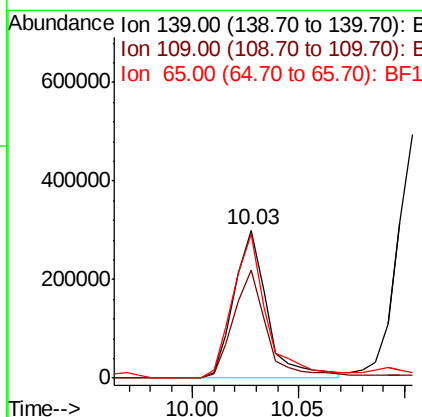
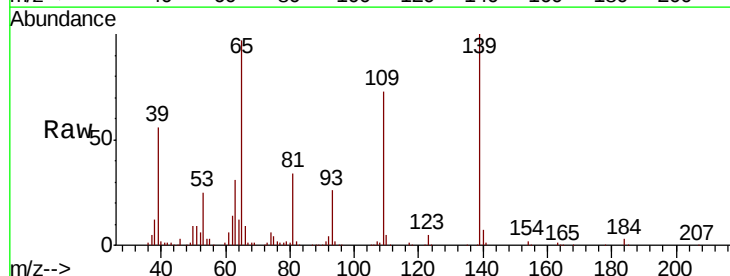
Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL02-RC

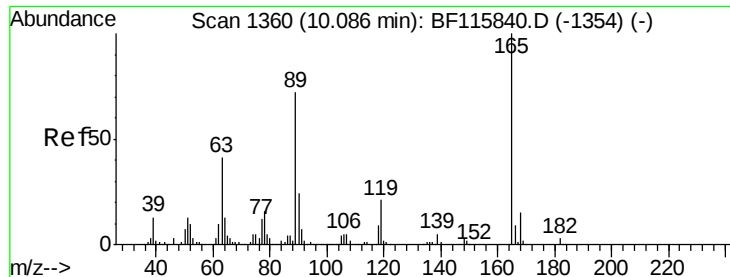
Tgt Ion:168 Resp: 1100442
Ion Ratio Lower Upper
168 100
139 39.8 30.2 45.2
169 13.8 10.8 16.2



#56
4-Nitrophenol
Concen: 87.984 ng
RT: 10.03 min Scan# 1350
Delta R.T. 0.02 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Tgt Ion:139 Resp: 329012
Ion Ratio Lower Upper
139 100
109 73.0 52.0 92.0
65 97.1 72.6 112.6

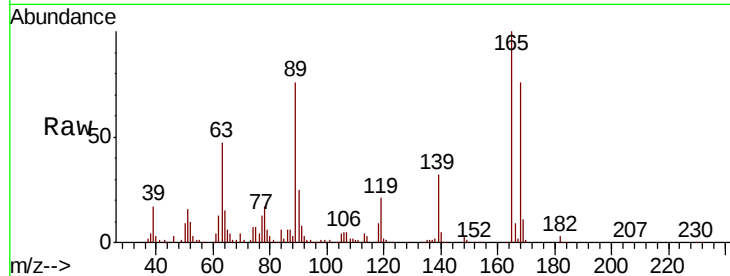




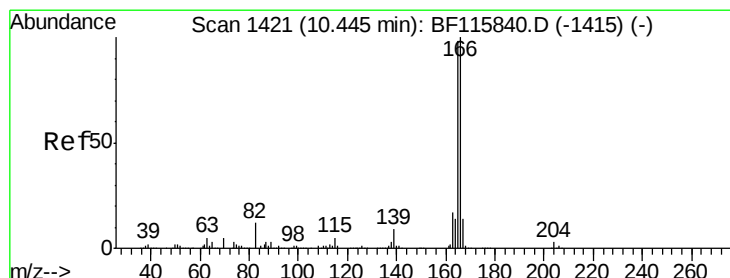
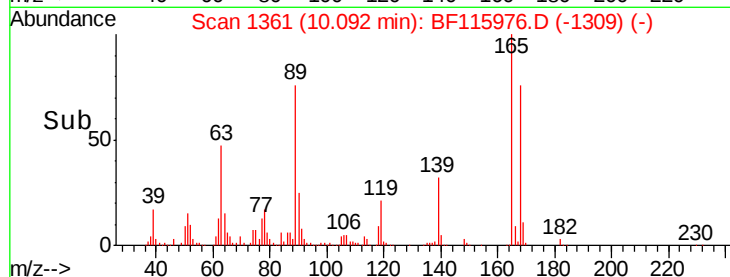
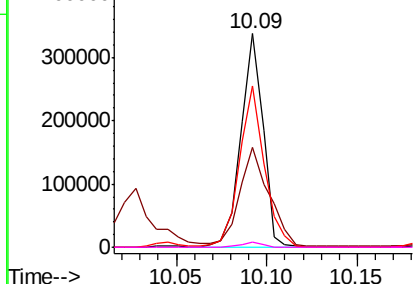
#57
2,4-Dinitrotoluene
Concen: 45.637 ng
RT: 10.09 min Scan# 1361
Delta R.T. 0.01 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL02-RC

Tgt Ion:165 Resp: 287054
Ion Ratio Lower Upper
165 100
63 46.8 33.2 49.8
89 75.5 57.3 85.9
182 2.5 2.1 3.1

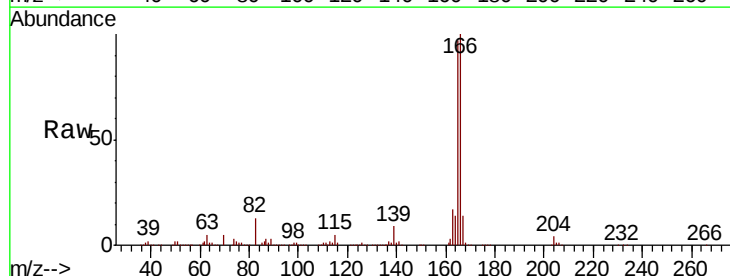


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

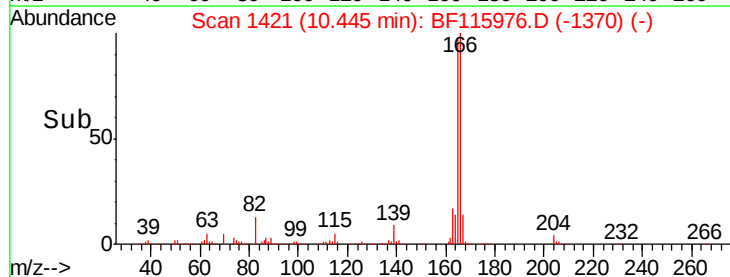
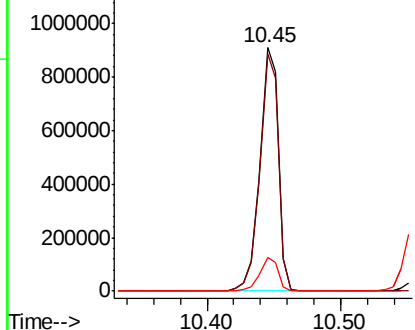


#58
Fluorene
Concen: 45.576 ng
RT: 10.45 min Scan# 1421
Delta R.T. 0.00 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Tgt Ion:166 Resp: 856236
Ion Ratio Lower Upper
166 100
165 97.3 78.6 118.0
167 13.8 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

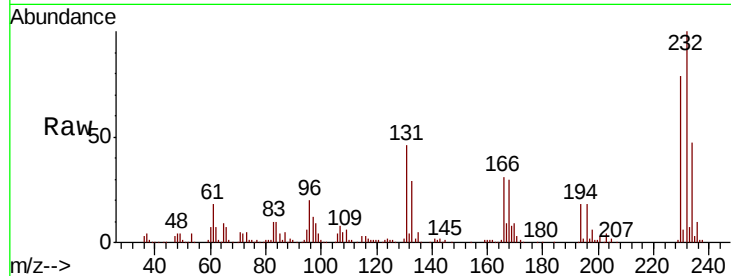




#59
2,3,4,6-Tetrachlorophenol
Concen: 45.008 ng
RT: 10.23 min Scan# 1384
Delta R.T. 0.01 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL02-RC

Tgt Ion	Ratio	Lower	Upper
232	100		
131	48.0	37.6	56.4
130	2.5	1.8	2.8
166	30.9	24.6	37.0



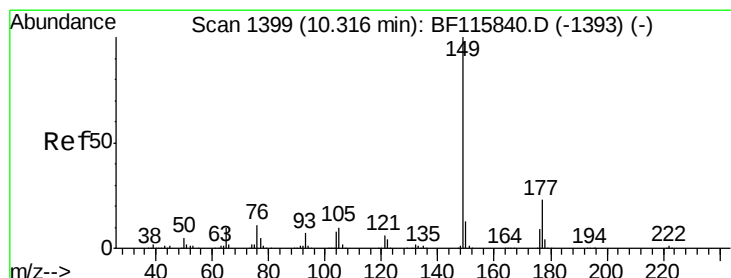
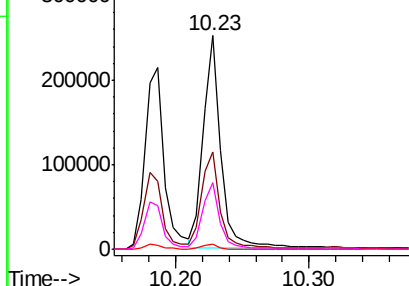
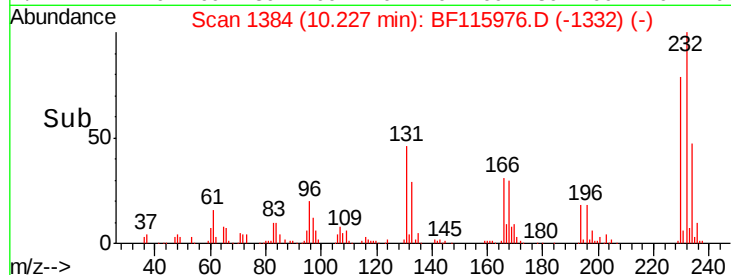
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

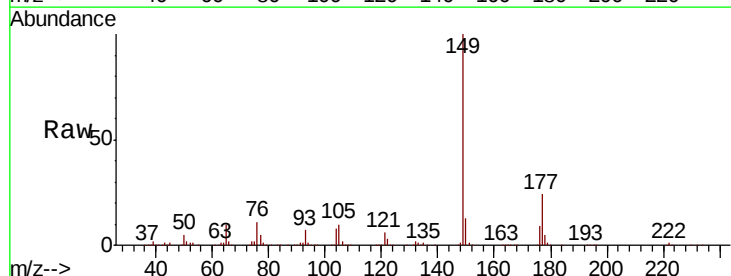
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
Diethylphthalate
Concen: 45.818 ng
RT: 10.32 min Scan# 1400
Delta R.T. 0.01 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Tgt Ion	Ratio	Lower	Upper
149	100		
177	24.0	18.4	27.6
150	12.8	10.1	15.1

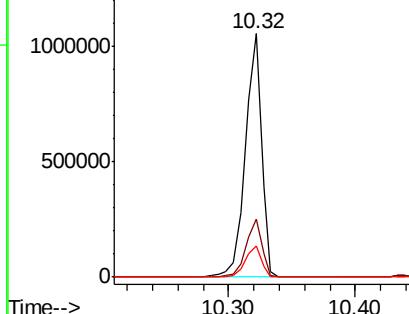
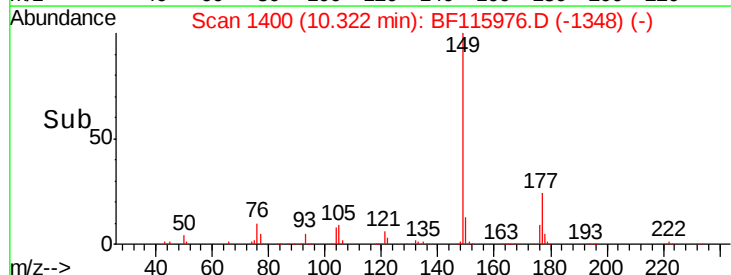


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

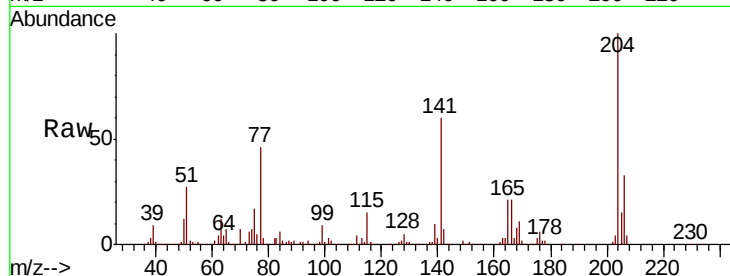




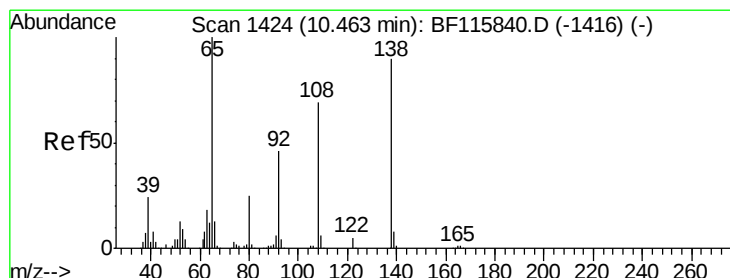
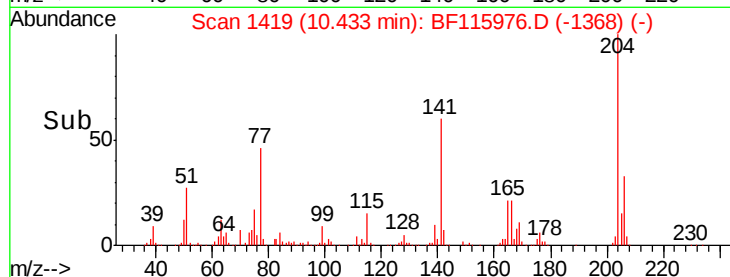
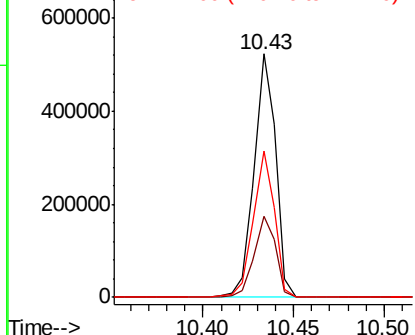
#61
 4-Chlorophenyl-phenylether
 Concen: 45.473 ng
 RT: 10.43 min Scan# 1419
 Delta R.T. 0.00 min
 Lab File: BF115976.D
 Acq: 3 Aug 2019 12:50

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL02-RC

Tgt Ion:204 Resp: 432657
 Ion Ratio Lower Upper
 204 100
 206 33.2 26.4 39.6
 141 60.0 47.0 70.4

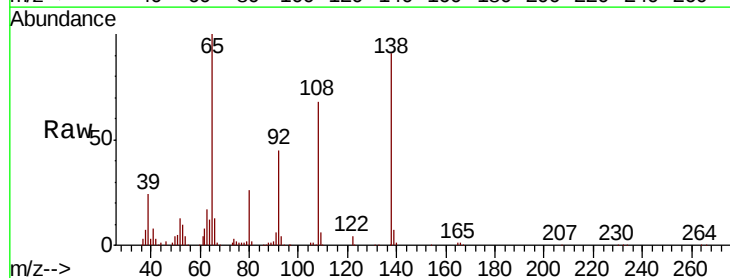


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

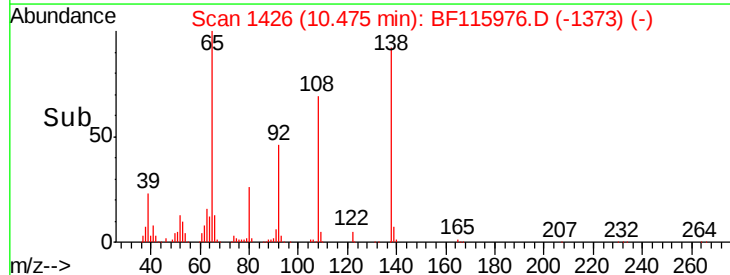
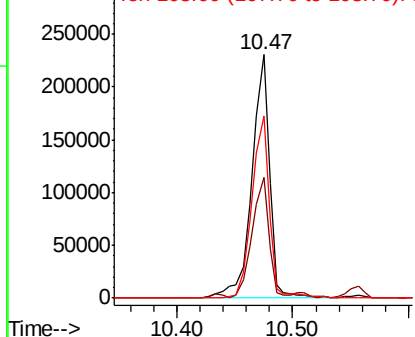


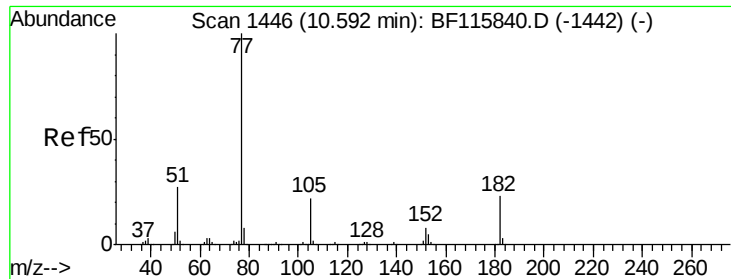
#62
 4-Nitroaniline
 Concen: 41.001 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. 0.01 min
 Lab File: BF115976.D
 Acq: 3 Aug 2019 12:50

Tgt Ion:138 Resp: 247343
 Ion Ratio Lower Upper
 138 100
 92 49.5 31.0 71.0
 108 74.8 56.7 96.7



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





#63

Azobenzene

Concen: 45.928 ng

RT: 10.60 min Scan# 1447

Delta R.T. 0.01 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL02-RC

Tgt Ion: 77 Resp: 958776

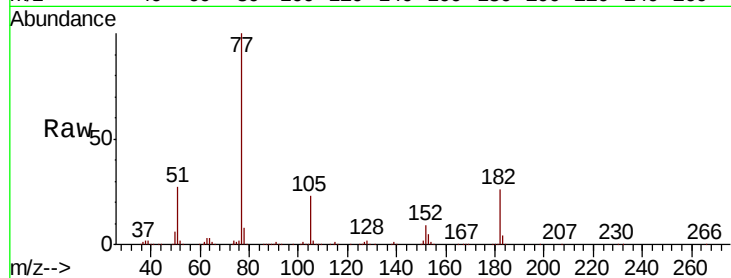
Ion Ratio Lower Upper

77 100

182 25.8 2.6 42.6

105 22.8 1.6 41.6

51 27.1 7.4 47.4

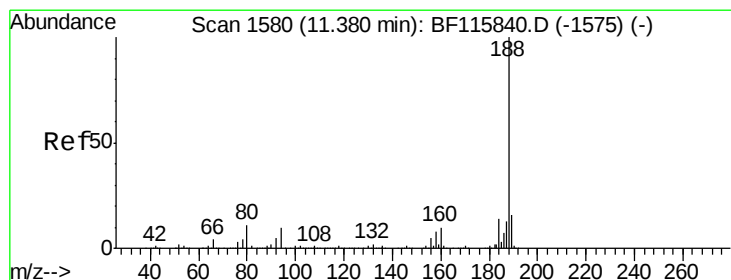
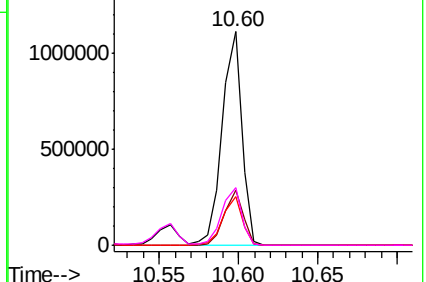
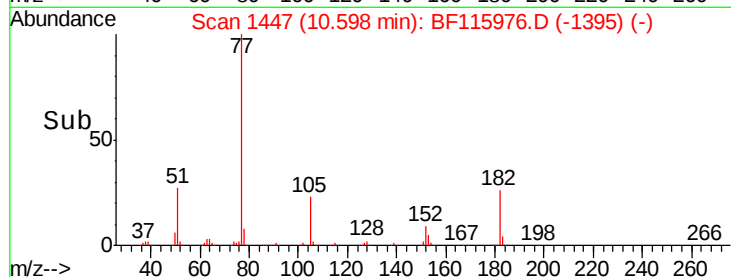


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

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: BF115976.D

Acq: 3 Aug 2019 12:50

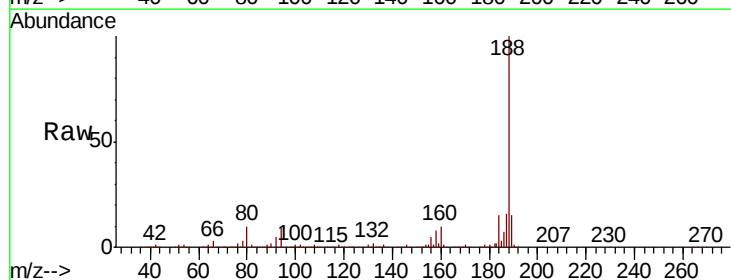
Tgt Ion: 188 Resp: 572679

Ion Ratio Lower Upper

188 100

94 9.3 8.0 12.0

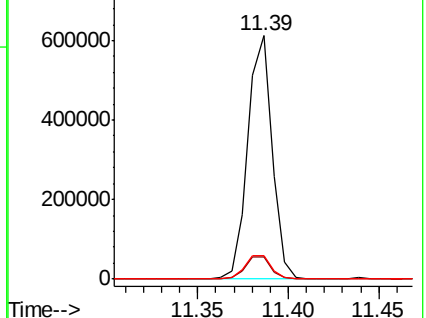
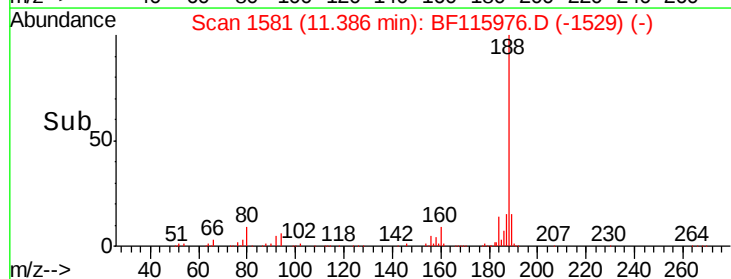
80 9.7 8.6 12.8

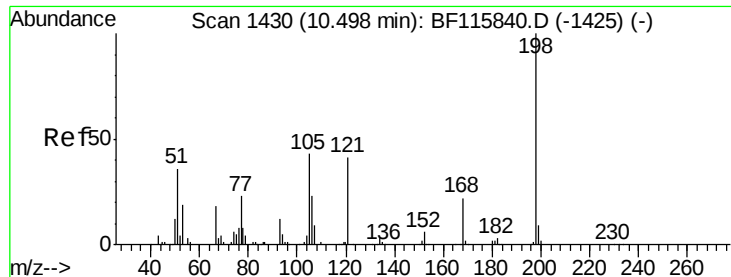


Abundance Ion 188.00 (187.70 to 188.70): BF1

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: 46.388 ng

RT: 10.51 min Scan# 1432

Delta R.T. 0.01 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL02-RC

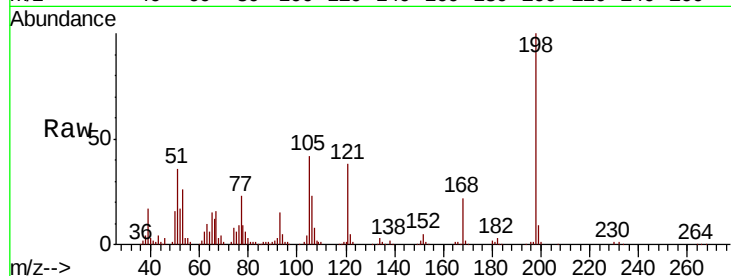
Tgt Ion:198 Resp: 140778

Ion Ratio Lower Upper

198 100

51 36.1 21.1 61.1

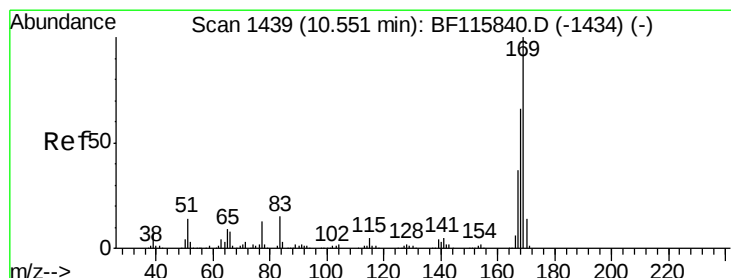
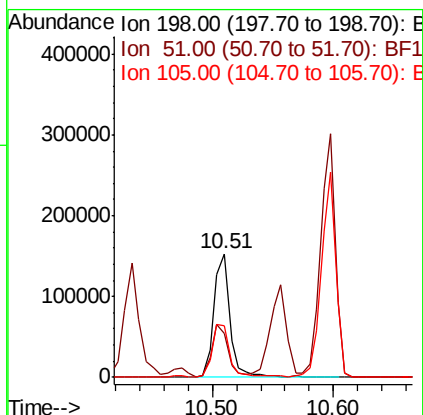
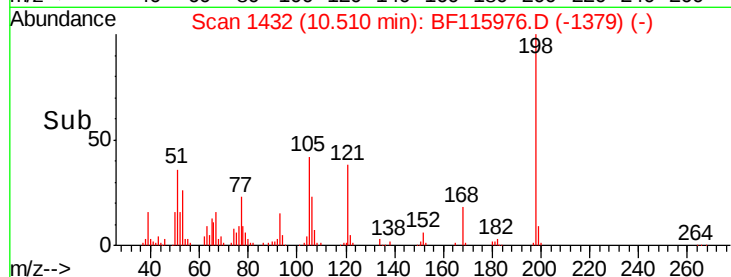
105 41.7 24.5 64.5



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: 45.342 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.01 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

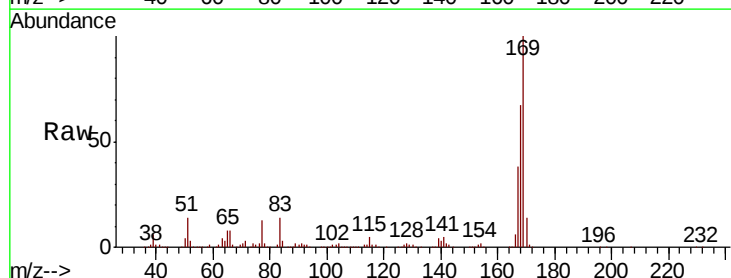
Tgt Ion:169 Resp: 781559

Ion Ratio Lower Upper

169 100

168 67.2 53.0 79.6

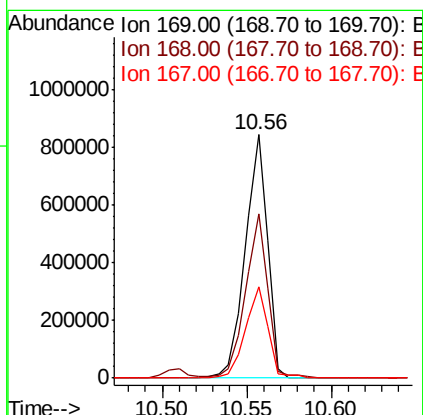
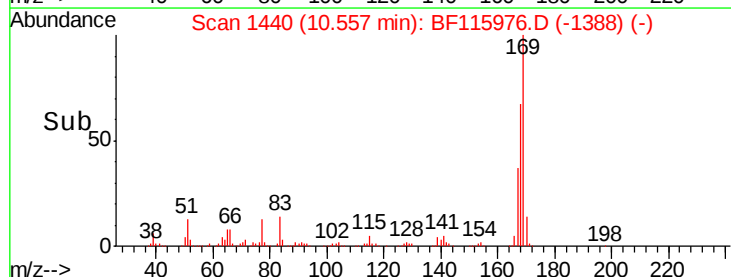
167 37.5 29.9 44.9

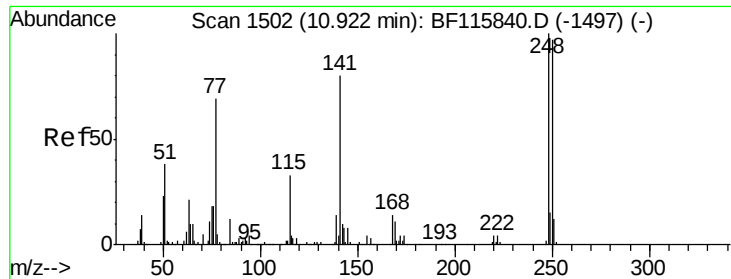


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

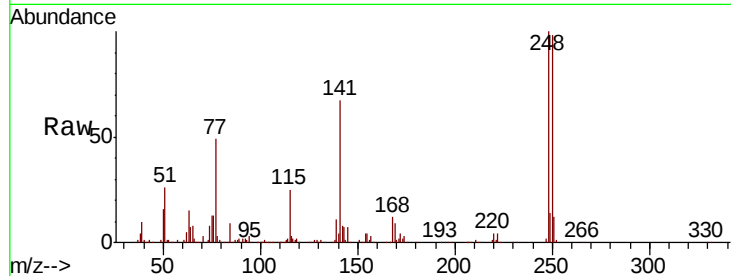




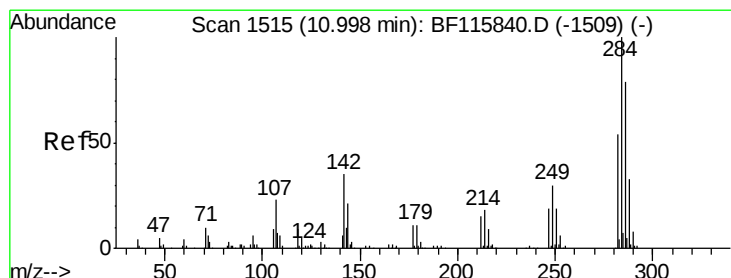
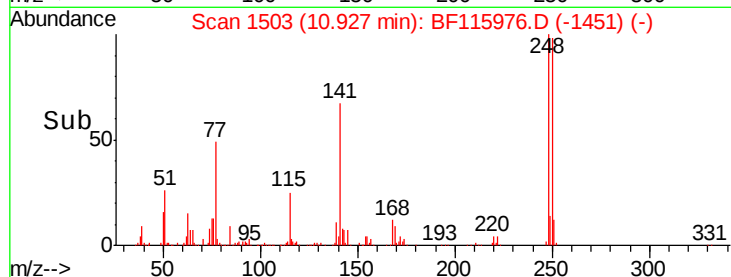
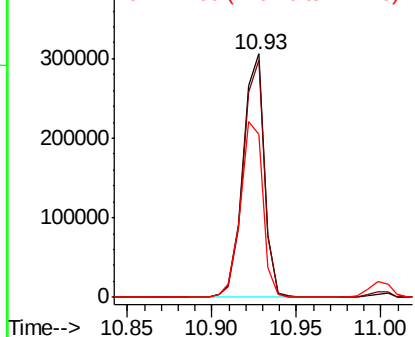
#67
4-Bromophenyl-phenylether
Concen: 44.114 ng
RT: 10.93 min Scan# 1503
Delta R.T. 0.01 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL02-RC

Tgt Ion:248 Resp: 270444
Ion Ratio Lower Upper
248 100
250 97.6 77.8 116.6
141 66.9 64.3 96.5

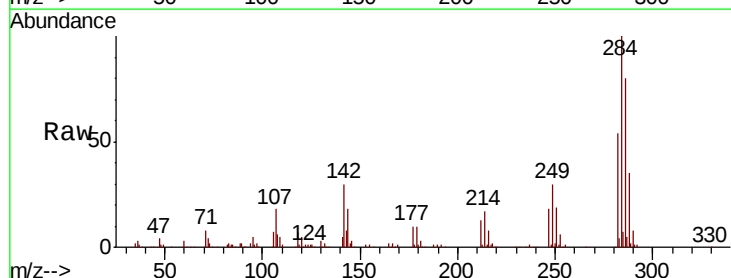


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

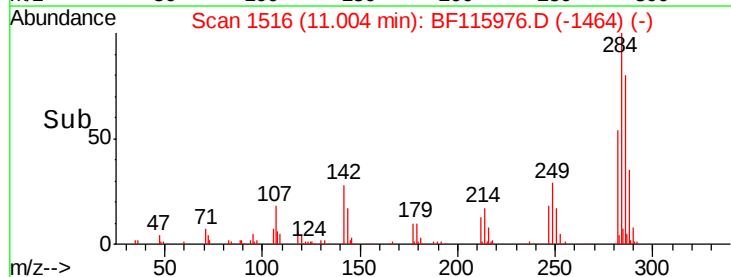
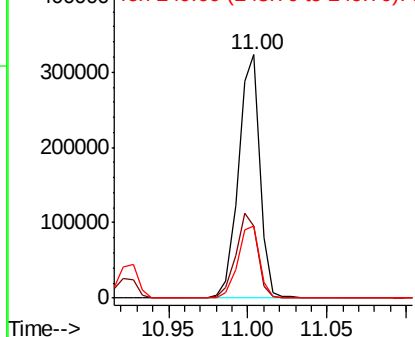


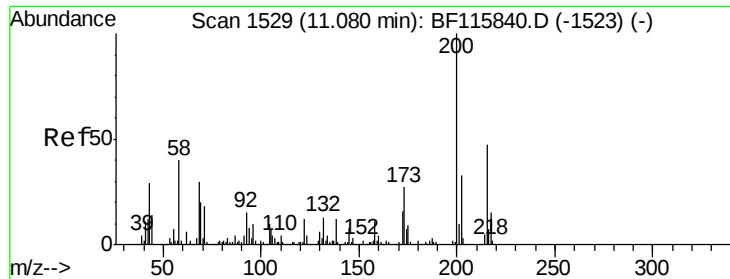
#68
Hexachlorobenzene
Concen: 42.572 ng
RT: 11.00 min Scan# 1516
Delta R.T. 0.01 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Tgt Ion:284 Resp: 301795
Ion Ratio Lower Upper
284 100
142 29.7 28.2 42.2
249 29.6 24.0 36.0



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

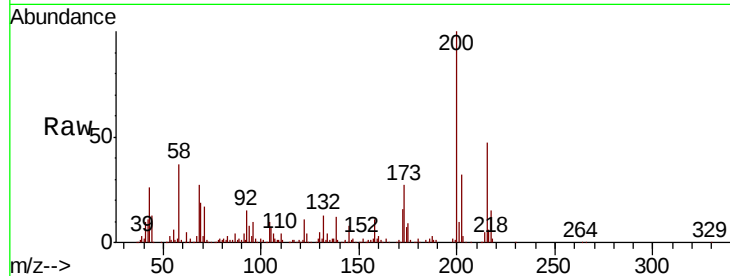




#69
 Atrazine
 Concen: 44.581 ng
 RT: 11.09 min Scan# 1530
 Delta R.T. 0.01 min
 Lab File: BF115976.D
 Acq: 3 Aug 2019 12:50

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL02-RC

Tgt Ion	Ratio	Lower	Upper
200	100		
173	26.6	7.3	47.3
215	46.5	26.9	66.9

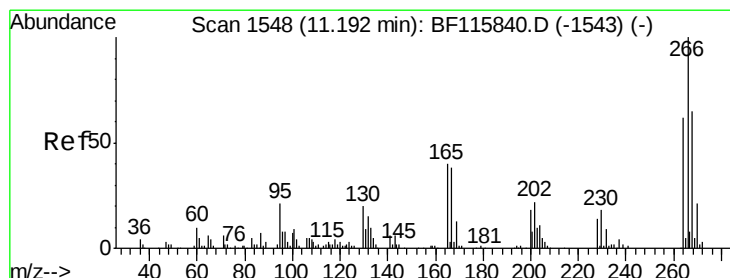
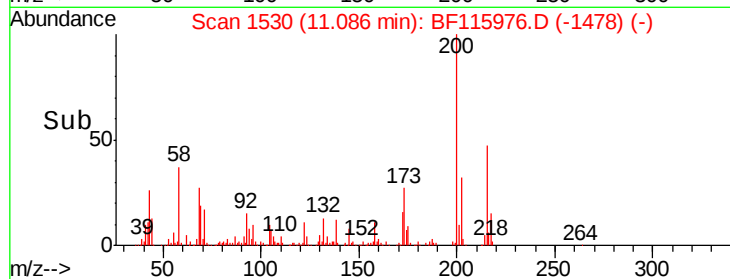
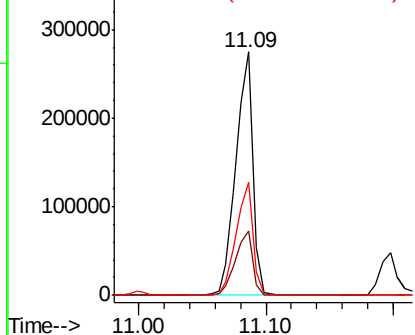


Abundance

Ion 200.00 (199.70 to 200.70): E

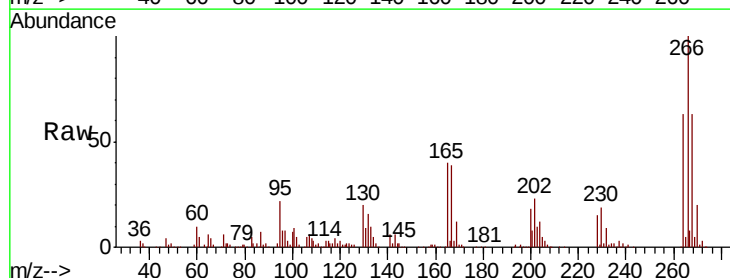
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
 Pentachlorophenol
 Concen: 87.860 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. 0.01 min
 Lab File: BF115976.D
 Acq: 3 Aug 2019 12:50

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.3	51.6	77.4
264	63.3	49.4	74.0

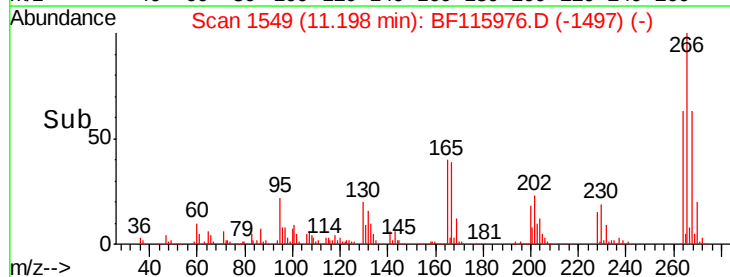
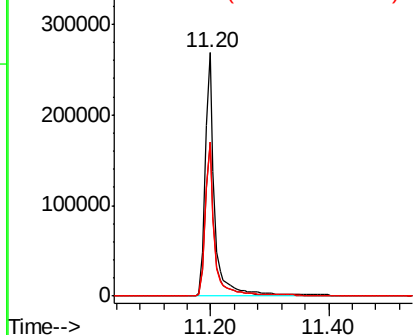


Abundance

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

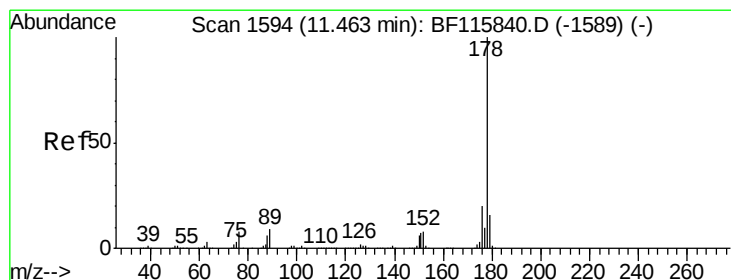
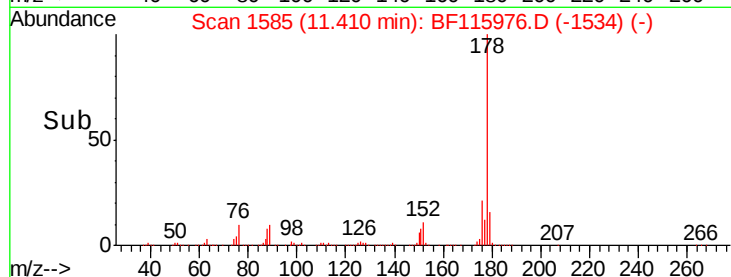
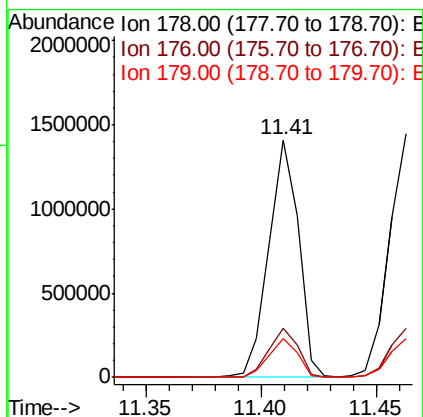
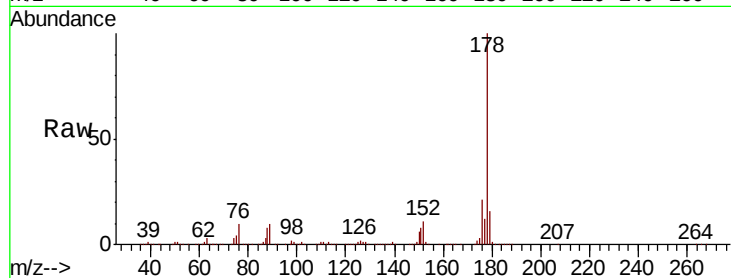




#71
Phenanthrene
Concen: 43.427 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

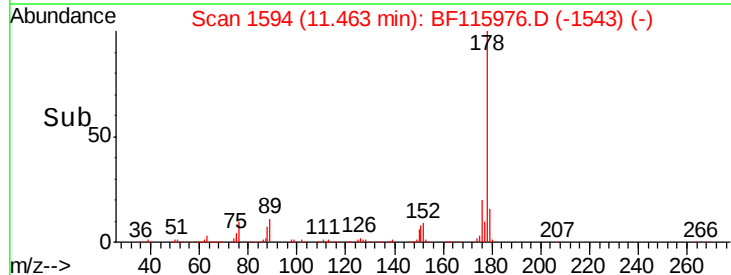
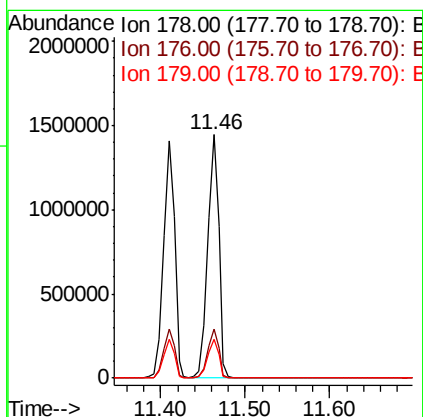
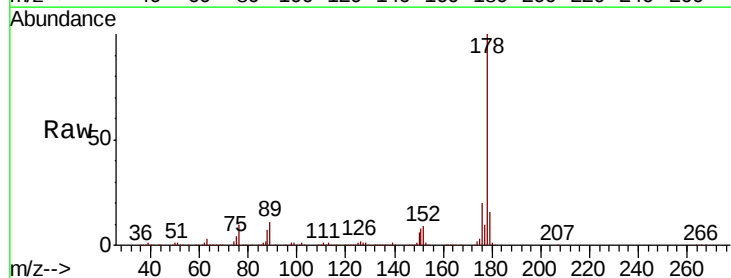
Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL02-RC

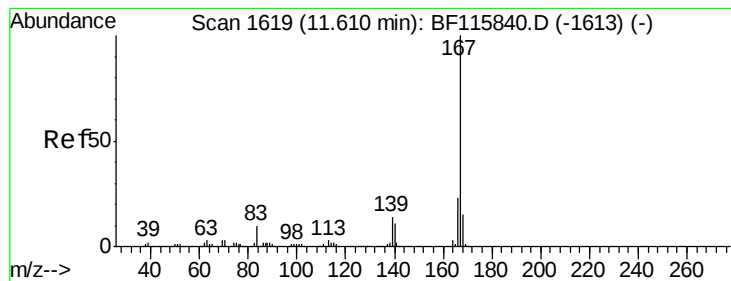
Tgt Ion:178 Resp: 1271400
Ion Ratio Lower Upper
178 100
176 20.6 16.5 24.7
179 16.3 12.6 18.8



#72
Anthracene
Concen: 45.054 ng
RT: 11.46 min Scan# 1594
Delta R.T. 0.00 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Tgt Ion:178 Resp: 1334901
Ion Ratio Lower Upper
178 100
176 20.1 15.7 23.5
179 16.2 12.4 18.6





#73

Carbazole

Concen: 44.981 ng

RT: 11.62 min Scan# 1620

Delta R.T. 0.01 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL02-RC

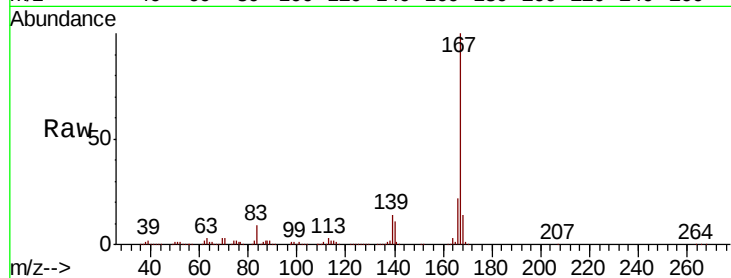
Tgt Ion:167 Resp: 1209141

Ion Ratio Lower Upper

167 100

166 22.3 18.0 27.0

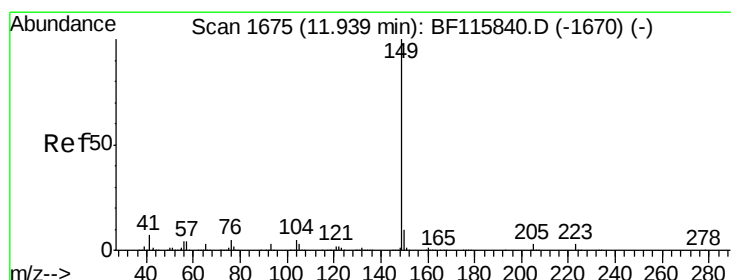
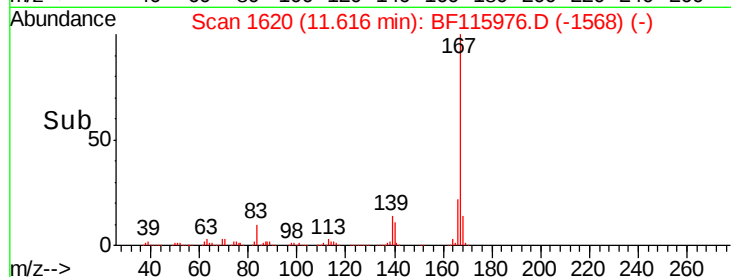
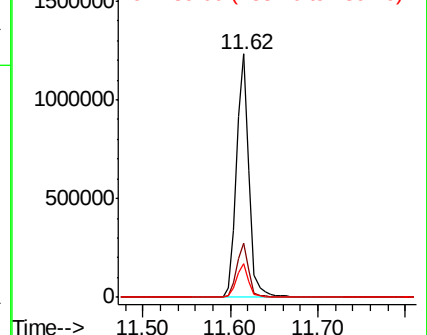
139 13.6 11.4 17.2



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: 46.149 ng

RT: 11.94 min Scan# 1675

Delta R.T. 0.00 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

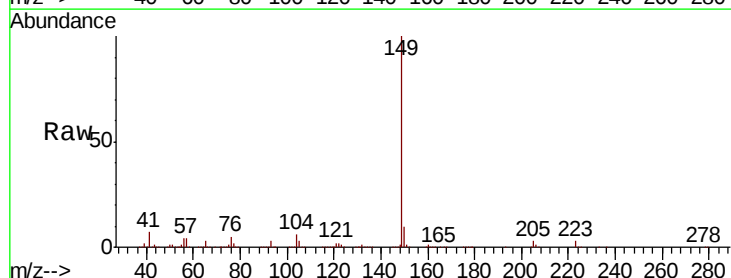
Tgt Ion:149 Resp: 1447148

Ion Ratio Lower Upper

149 100

150 9.7 7.7 11.5

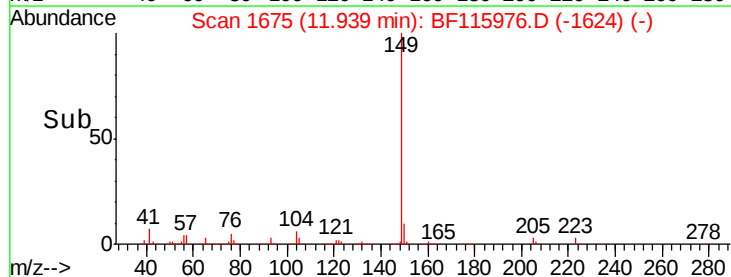
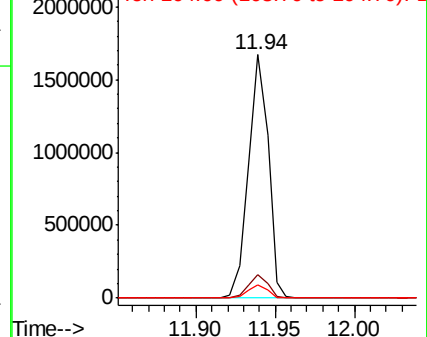
104 5.6 4.3 6.5

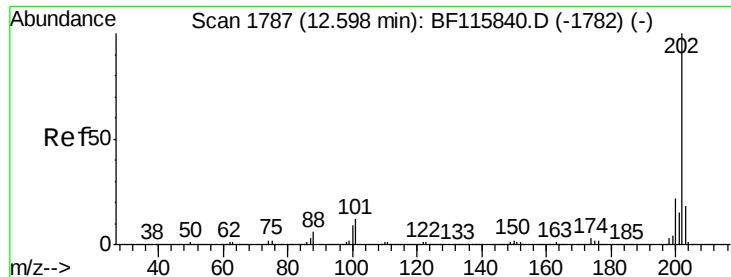


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 44.199 ng

RT: 12.60 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL02-RC

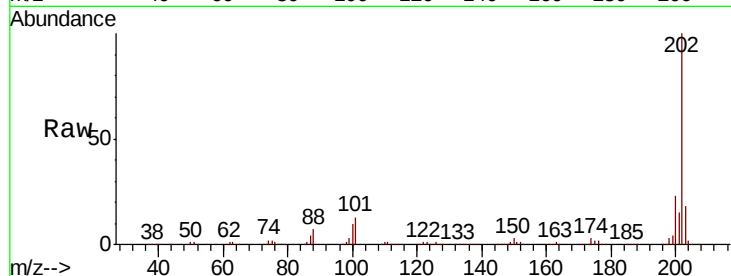
Tgt Ion: 202 Resp: 1354686

Ion Ratio Lower Upper

202 100

101 13.1 0.0 31.5

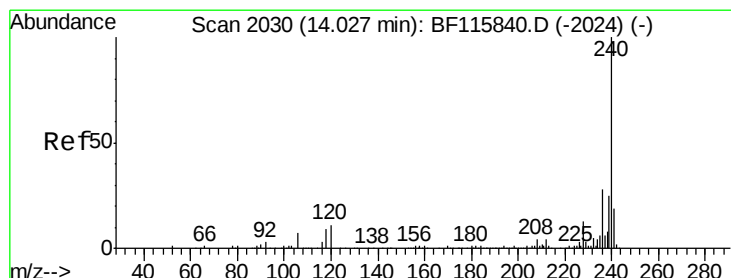
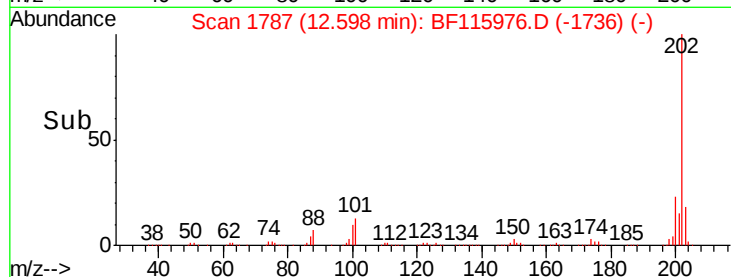
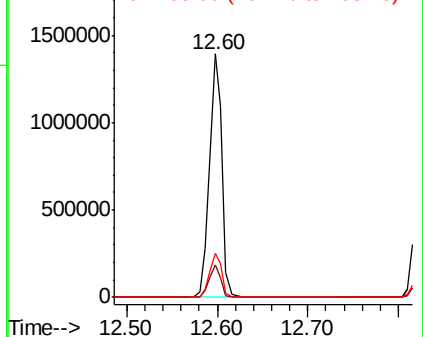
203 18.2 0.0 37.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.00 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

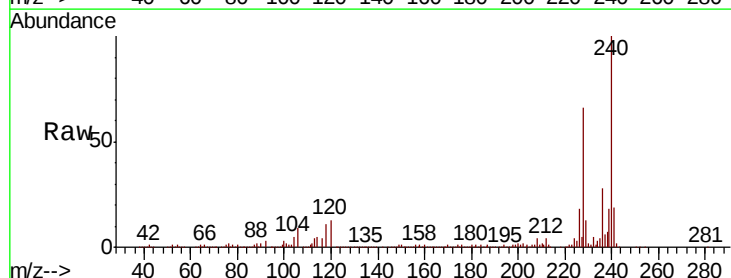
Tgt Ion: 240 Resp: 410705

Ion Ratio Lower Upper

240 100

120 13.0 8.5 12.7#

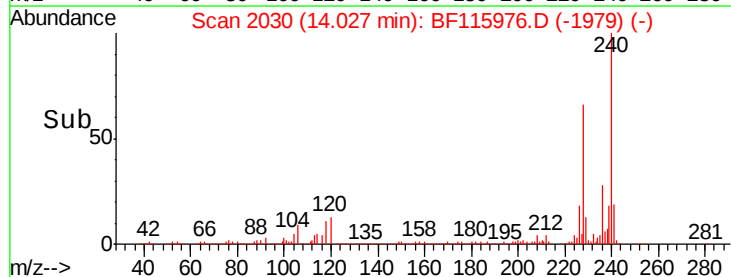
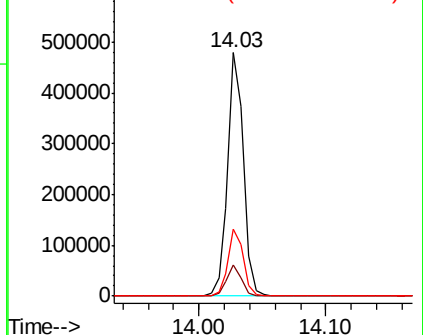
236 27.7 22.2 33.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 46.032 ng

RT: 12.72 min Scan# 1807

Delta R.T. 0.01 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL02-RC

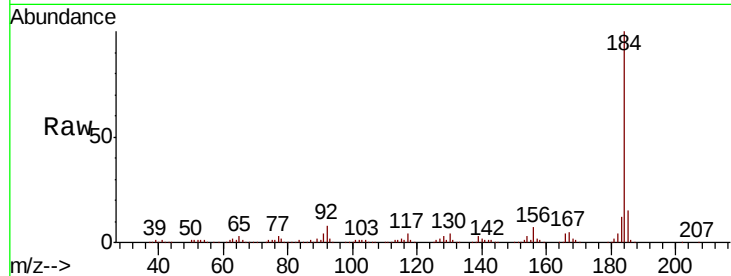
Tgt Ion:184 Resp: 638703

Ion Ratio Lower Upper

184 100

185 15.1 13.4 20.2

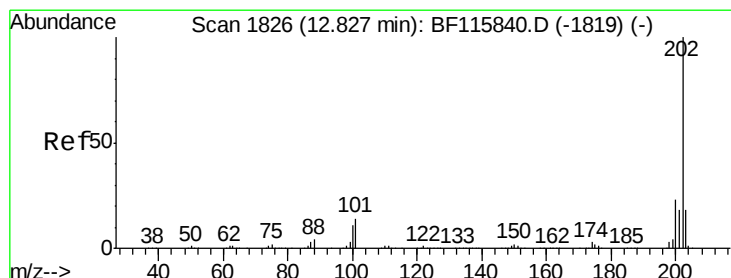
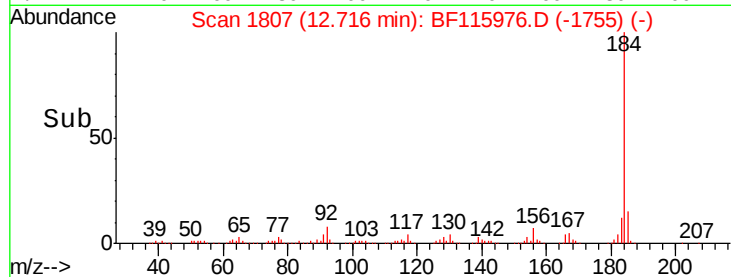
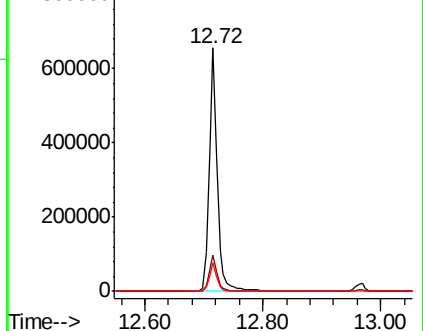
183 11.5 9.1 13.7



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: 44.686 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

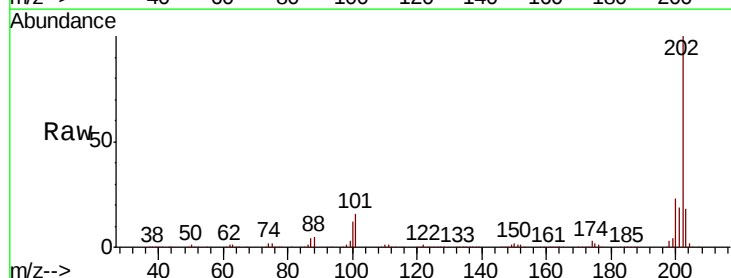
Tgt Ion:202 Resp: 1383452

Ion Ratio Lower Upper

202 100

200 22.8 18.2 27.2

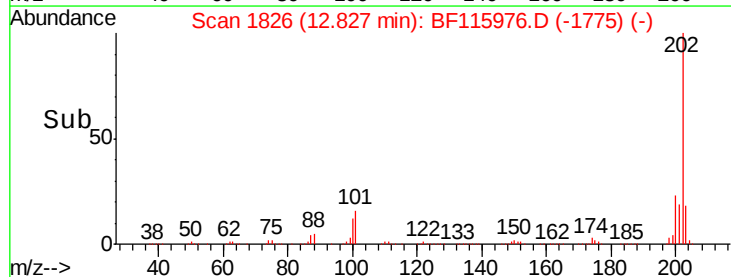
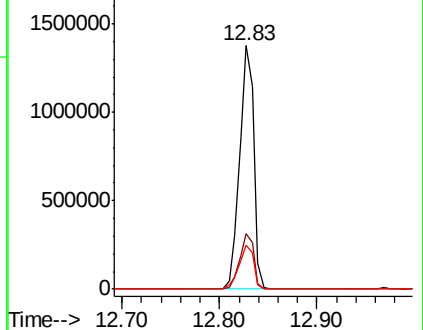
203 18.2 14.3 21.5



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: 84.905 ng

RT: 12.97 min Scan# 1850

Delta R.T. 0.00 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL02-RC

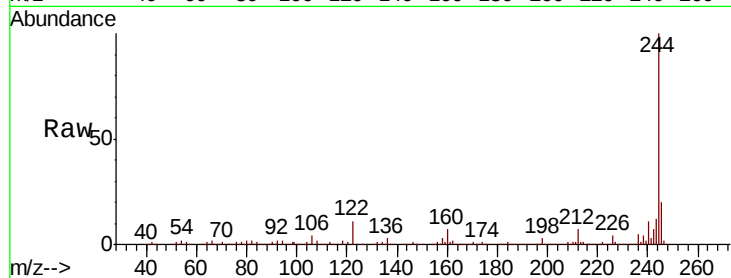
Tgt Ion:244 Resp: 1654867

Ion Ratio Lower Upper

244 100

212 7.3 5.6 8.4

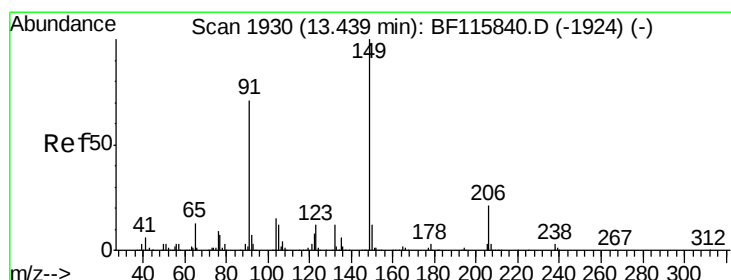
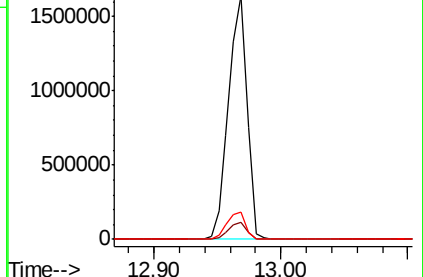
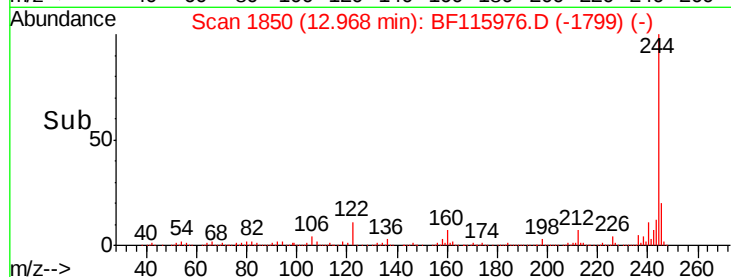
122 11.3 8.6 13.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 47.988 ng

RT: 13.44 min Scan# 1930

Delta R.T. 0.00 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

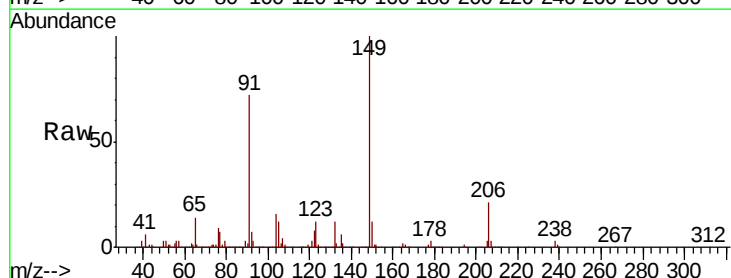
Tgt Ion:149 Resp: 628458

Ion Ratio Lower Upper

149 100

91 72.4 57.0 85.6

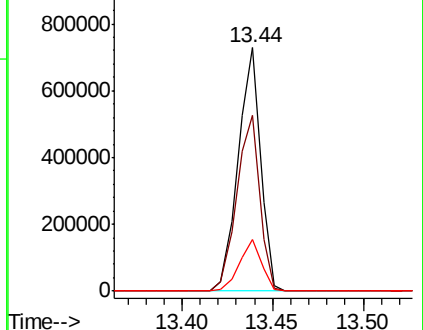
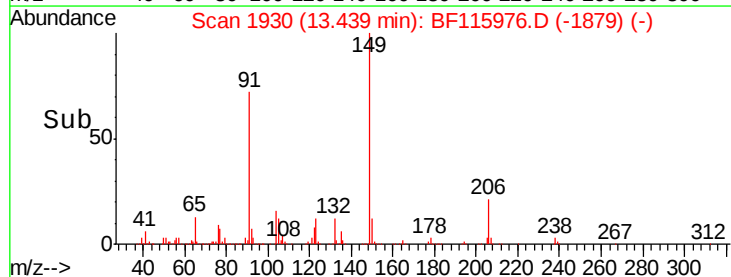
206 21.0 16.9 25.3

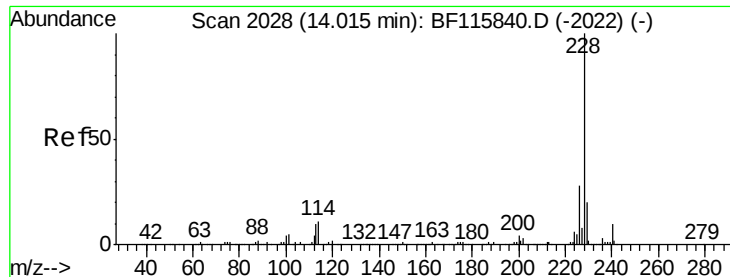


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 44.529 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Instrument :

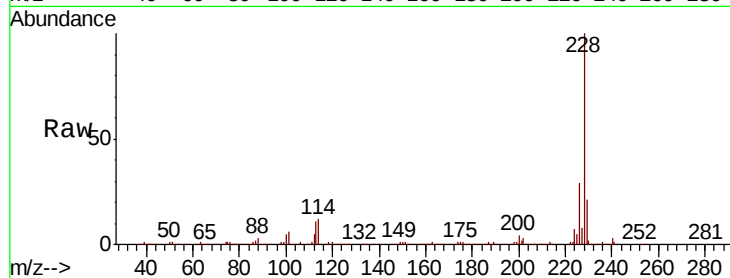
BNA_F

ClientSampleId :

IDOC BS-SOIL02-RC

Tgt Ion:228 Resp: 1168919

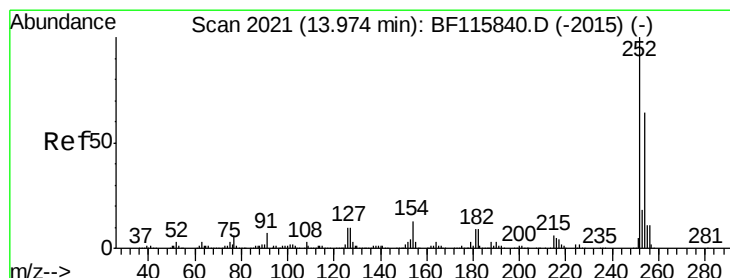
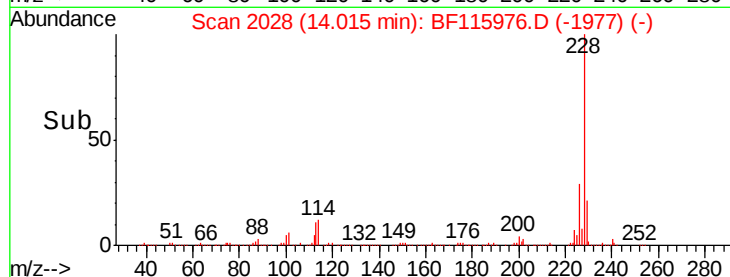
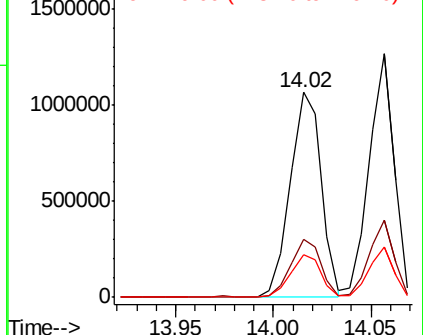
Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.5	33.7
229	20.8	16.1	24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 37.374 ng

RT: 13.97 min Scan# 2021

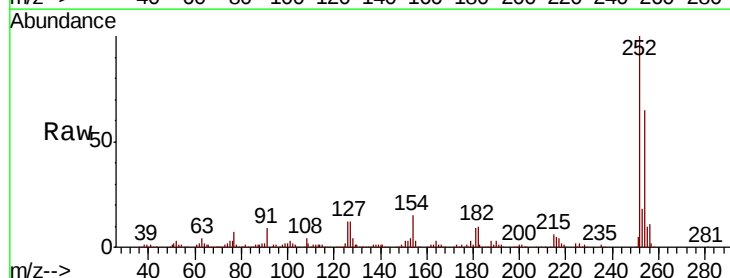
Delta R.T. 0.00 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Tgt Ion:252 Resp: 340855

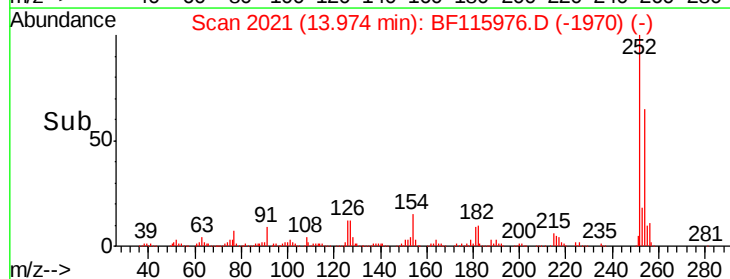
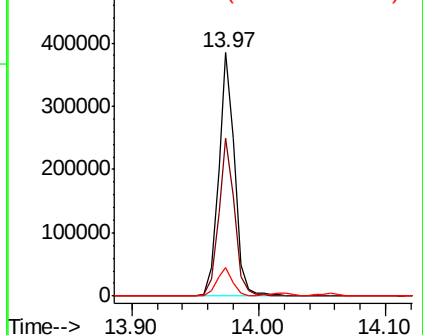
Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.2	76.8
126	11.7	8.1	12.1

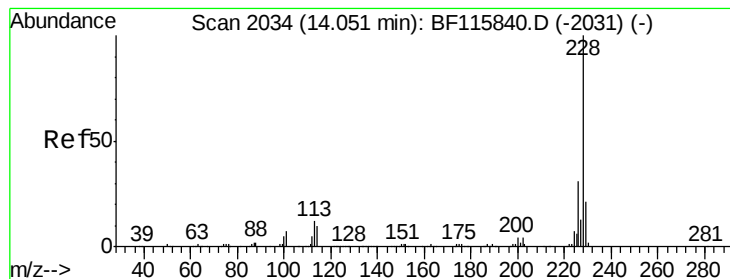


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

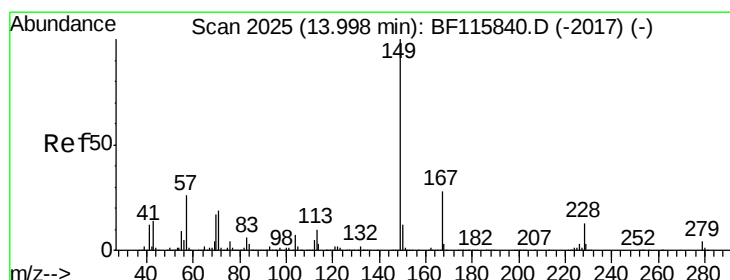
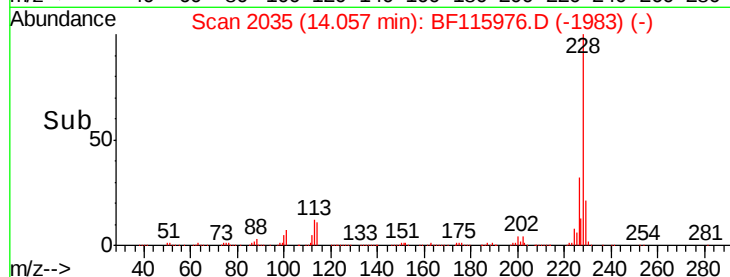
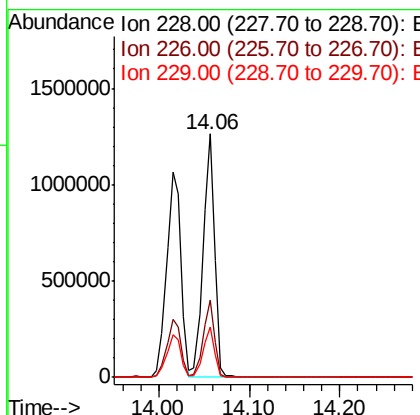
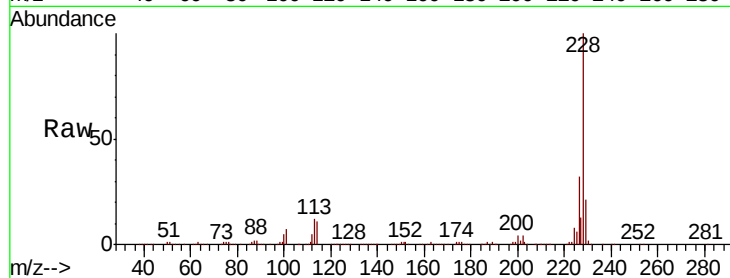




#83
Chrysene
Concen: 44.360 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.01 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

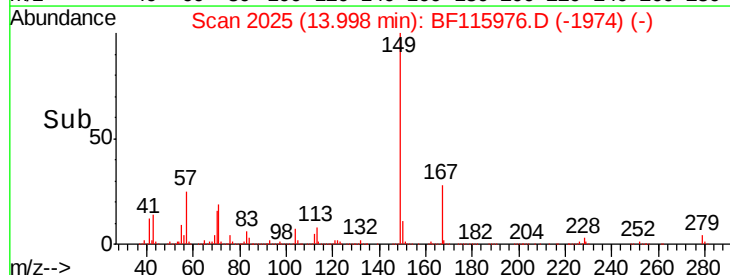
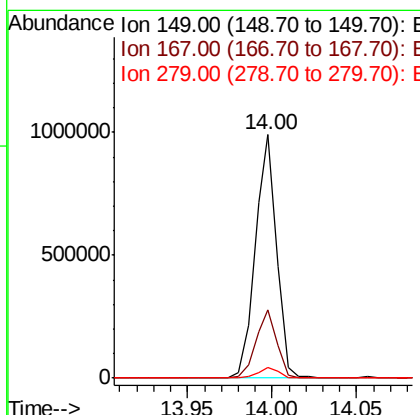
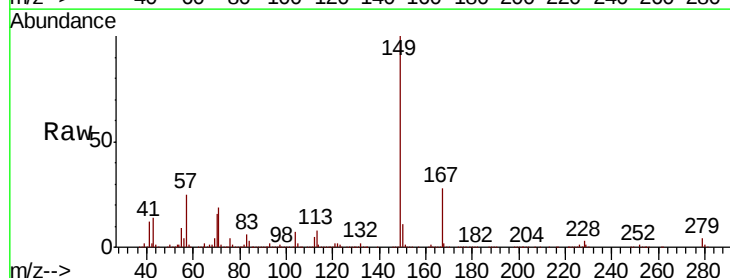
Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL02-RC

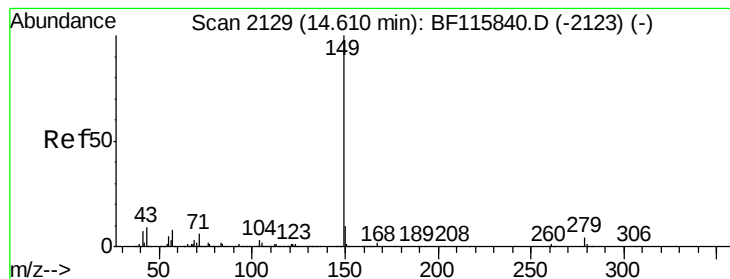
Tgt Ion:228 Resp: 1130543
Ion Ratio Lower Upper
228 100
226 31.8 24.8 37.2
229 20.5 16.4 24.6



#84
Bis(2-ethylhexyl)phthalate
Concen: 51.056 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Tgt Ion:149 Resp: 868878
Ion Ratio Lower Upper
149 100
167 27.9 22.4 33.6
279 4.3 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 51.997 ng

RT: 14.61 min Scan# 2129

Delta R.T. 0.00 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL02-RC

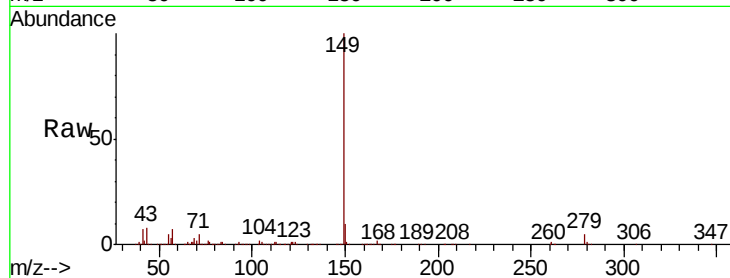
Tgt Ion:149 Resp: 1405528

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

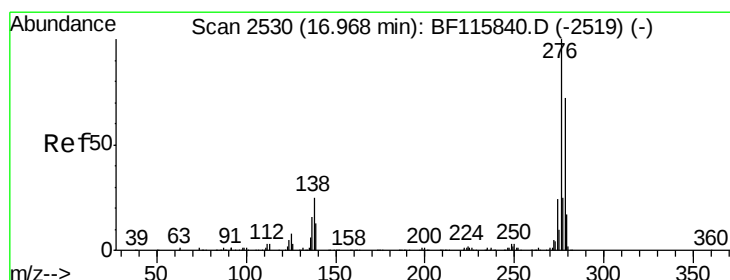
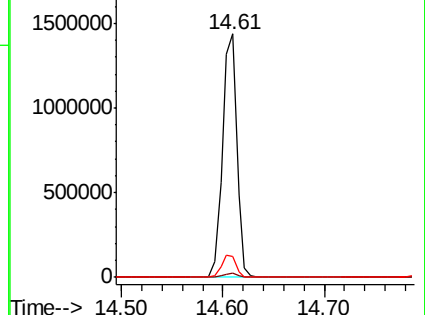
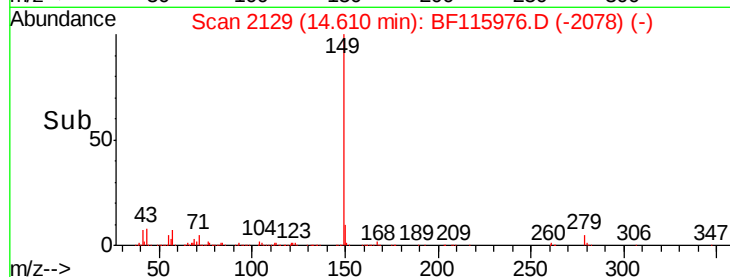
43 9.1 7.4 11.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 45.188 ng

RT: 16.99 min Scan# 2533

Delta R.T. 0.02 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

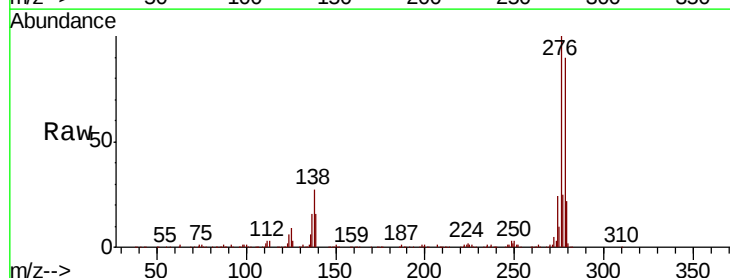
Tgt Ion:276 Resp: 967246

Ion Ratio Lower Upper

276 100

138 25.2 19.6 29.4

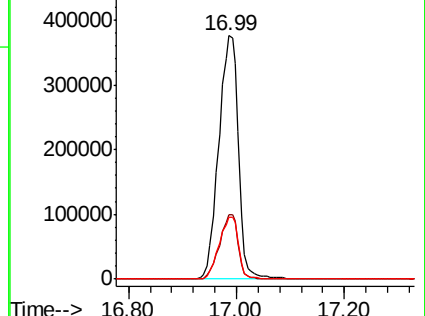
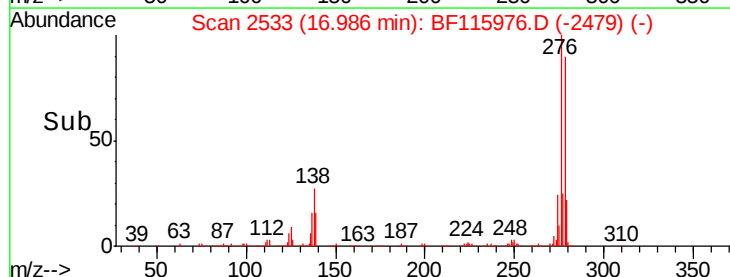
277 25.1 20.1 30.1

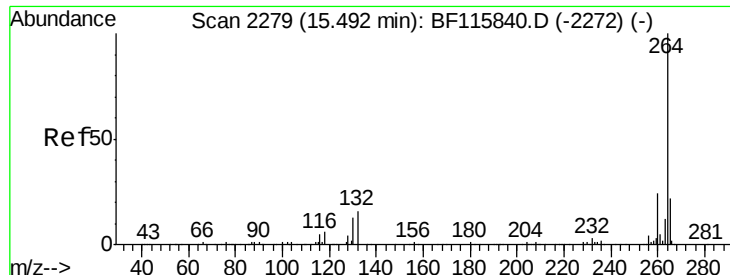


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



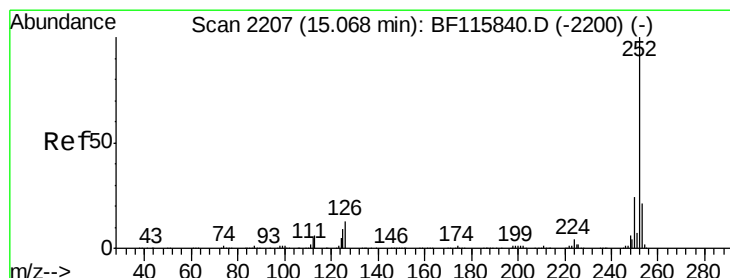
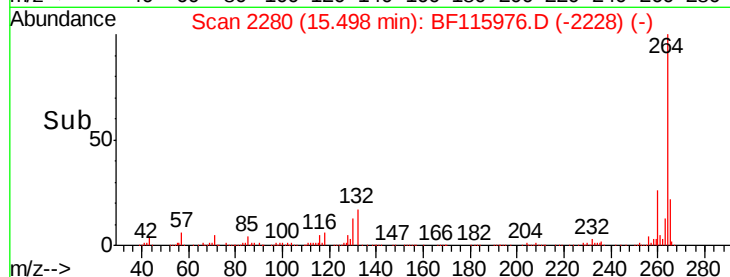
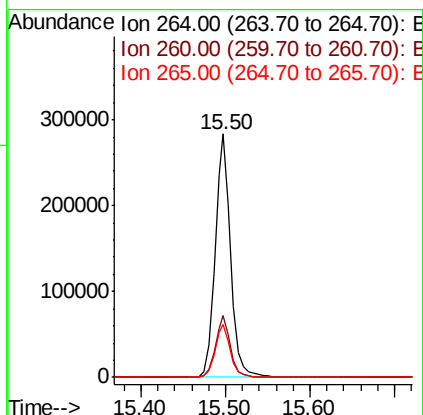
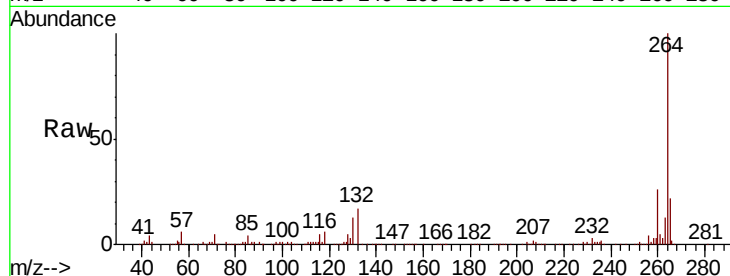


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL02-RC

Tgt Ion: 264 Resp: 365595

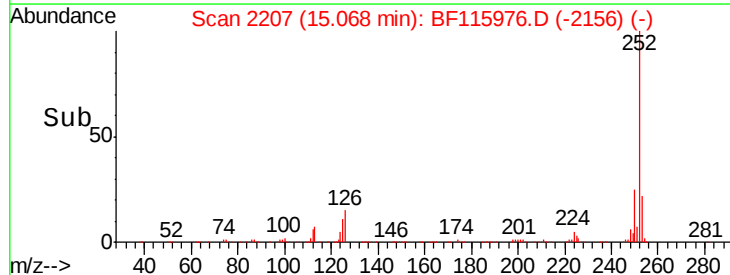
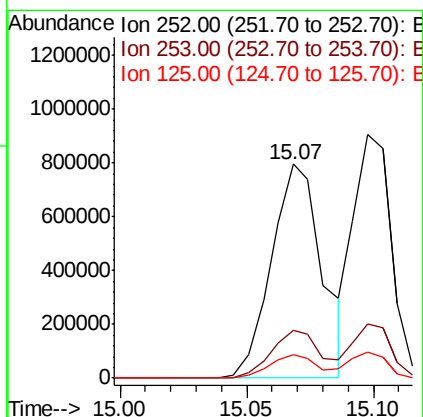
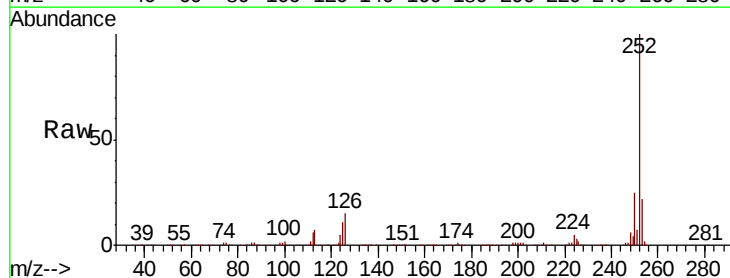
Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.4	29.2
265	21.7	17.5	26.3



#88
Benzo(b)fluoranthene
Concen: 52.505 ng
RT: 15.07 min Scan# 2207
Delta R.T. 0.00 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Tgt Ion: 252 Resp: 1109904

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.2	25.8
125	10.8	7.4	11.0

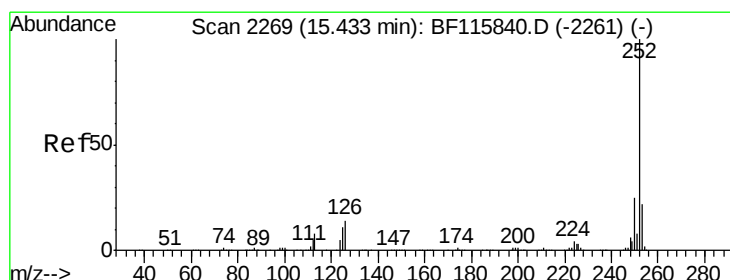
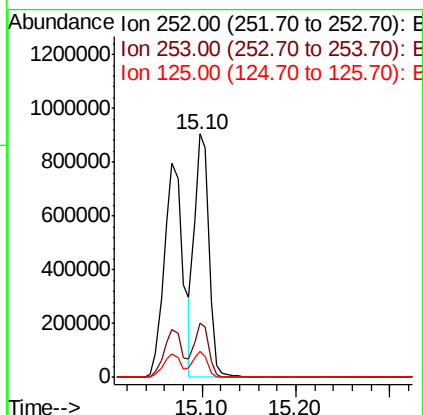
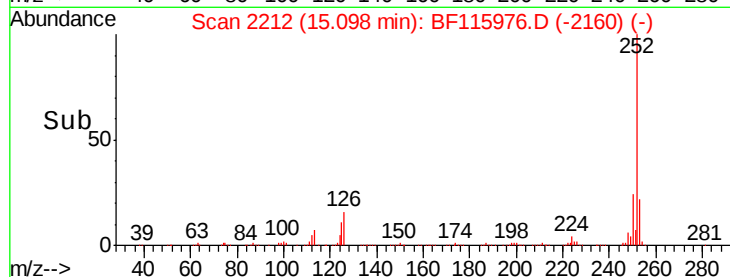
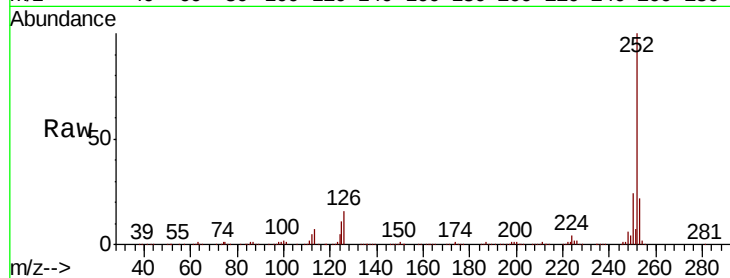




#89
Benzo(k)fluoranthene
Concen: 46.482 ng
RT: 15.10 min Scan# 2212
Delta R.T. 0.01 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

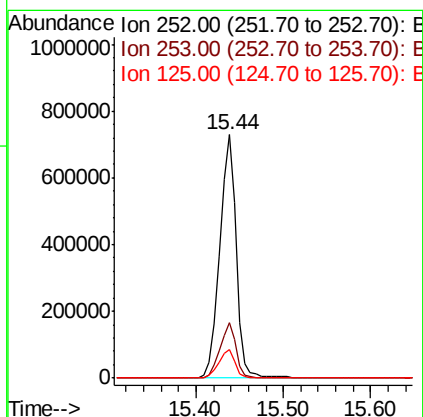
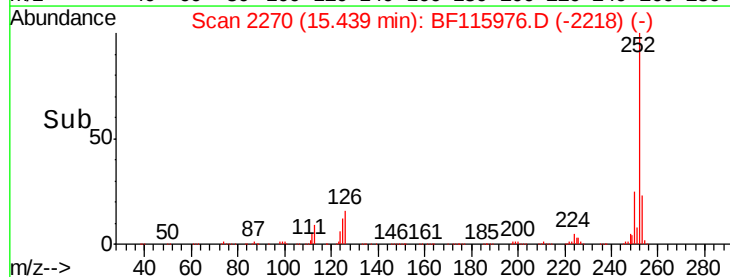
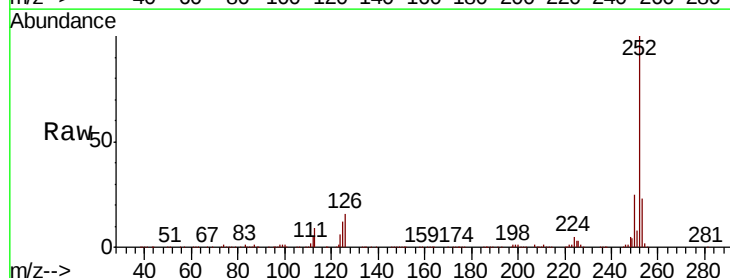
Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL02-RC

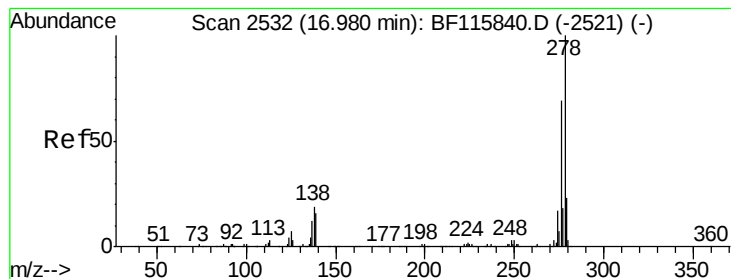
Tgt Ion:252 Resp: 957061
Ion Ratio Lower Upper
252 100
253 22.3 18.2 27.4
125 10.8 8.9 13.3



#90
Benzo(a)pyrene
Concen: 50.603 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF115976.D
Acq: 3 Aug 2019 12:50

Tgt Ion:252 Resp: 956238
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.6
125 11.7 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 49.624 ng

RT: 17.00 min Scan# 2535

Delta R.T. 0.02 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL02-RC

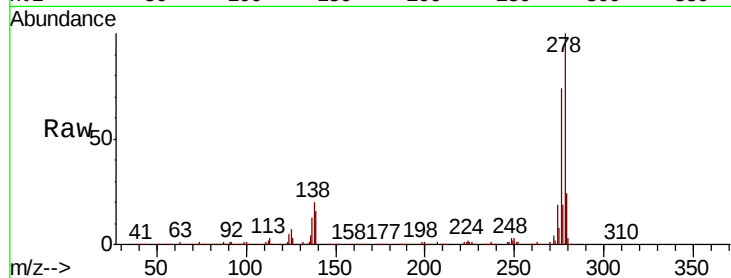
Tgt Ion:278 Resp: 811702

Ion Ratio Lower Upper

278 100

139 15.6 12.6 19.0

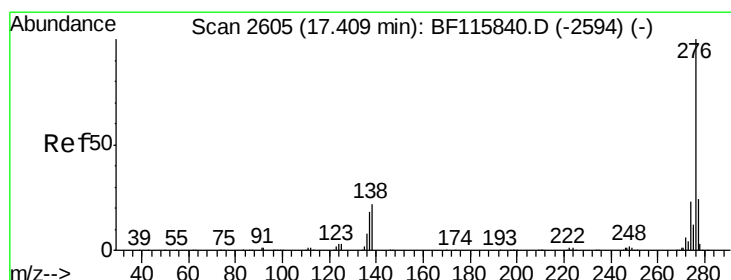
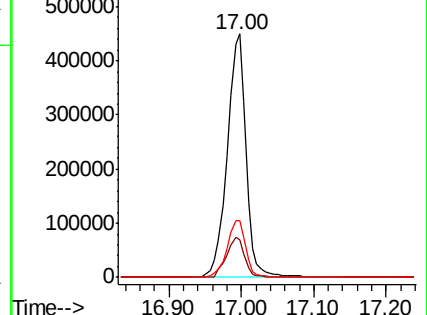
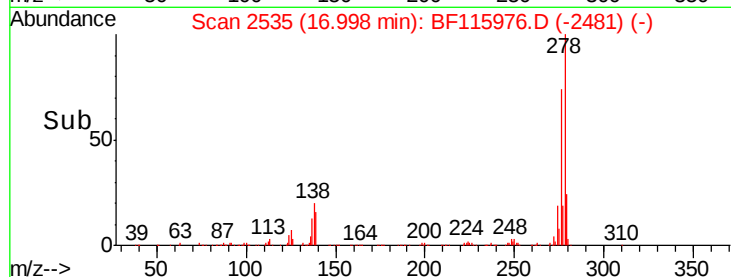
279 23.6 18.8 28.2



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: 49.265 ng

RT: 17.43 min Scan# 2609

Delta R.T. 0.02 min

Lab File: BF115976.D

Acq: 3 Aug 2019 12:50

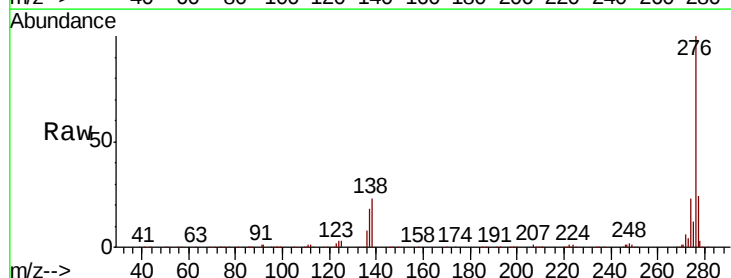
Tgt Ion:276 Resp: 791405

Ion Ratio Lower Upper

276 100

277 23.6 19.5 29.3

138 22.6 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

