

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080319\
 Data File : BF115977.D
 Acq On : 3 Aug 2019 13:16
 Operator : HP/JU
 Sample : IDOC BS-SOIL03-RC
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL03-RC

Quant Time: Aug 05 01:18:35 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	141804	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	592206	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	331143	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	577762	20.00	ng	0.00
76) Chrysene-d12	14.03	240	418407	20.00	ng	0.00
87) Perylene-d12	15.50	264	401524	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	1024517	120.95	ng	0.02
7) Phenol-d6	6.49	99	1302373	121.86	ng	0.00
23) Nitrobenzene-d5	7.42	82	869517	84.75	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	389261	121.25	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1506387	85.21	ng	0.00
79) Terphenyl-d14	12.97	244	1697725	85.50	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.72	88	181267	42.359	ng	98
3) Pyridine	3.46	79	464381	38.848	ng	96
4) n-Nitrosodimethylamine	3.41	42	207258	43.935	ng	98
6) Aniline	6.52	93	536466	35.051	ng	95
8) 2-Chlorophenol	6.65	128	450168	48.060	ng	98
9) Benzaldehyde	6.40	77	253352	34.357	ng	99
10) Phenol	6.51	94	568251	45.152	ng	78
11) bis(2-Chloroethyl)ether	6.59	93	429767	46.447	ng	99
12) 1,3-Dichlorobenzene	6.79	146	478764	44.227	ng	97
13) 1,4-Dichlorobenzene	6.87	146	486069	44.845	ng	99
14) 1,2-Dichlorobenzene	7.02	146	449956	45.084	ng	98
15) Benzyl Alcohol	7.00	79	385309	47.507	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.13	45	571111	45.251	ng	95
17) 2-Methylphenol	7.11	107	382350	48.207	ng	97
18) Hexachloroethane	7.36	117	181167	45.398	ng	96
19) n-Nitroso-di-n-propylamine	7.27	70	311724	47.070	ng	98
20) 3+4-Methylphenols	7.26	107	454435	48.417	ng	# 88
22) Acetophenone	7.26	105	605519	46.622	ng	97
24) Nitrobenzene	7.43	77	512771	46.288	ng	99
25) Isophorone	7.67	82	928276	47.319	ng	100
26) 2-Nitrophenol	7.75	139	254087	48.658	ng	99
27) 2,4-Dimethylphenol	7.79	122	413520	52.636	ng	100
28) bis(2-Chloroethoxy)methane	7.88	93	559032	45.976	ng	99
29) 2,4-Dichlorophenol	8.00	162	403869	48.688	ng	97
30) 1,2,4-Trichlorobenzene	8.08	180	420340	44.454	ng	98
31) Naphthalene	8.16	128	1296205	46.512	ng	99
32) Benzoic acid	7.95	122	252661	45.616	ng	99
33) 4-Chloroaniline	8.20	127	325640	26.152	ng	99
34) Hexachlorobutadiene	8.27	225	240285	44.118	ng	99
35) Caprolactam	8.59	113	73635	27.447	ng	95
36) 4-Chloro-3-methylphenol	8.70	107	433374	50.220	ng	98
37) 2-Methylnaphthalene	8.85	142	888183	48.393	ng	99
38) 1-Methylnaphthalene	8.95	142	830746	47.846	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.02	216	399358	45.111	ng	99

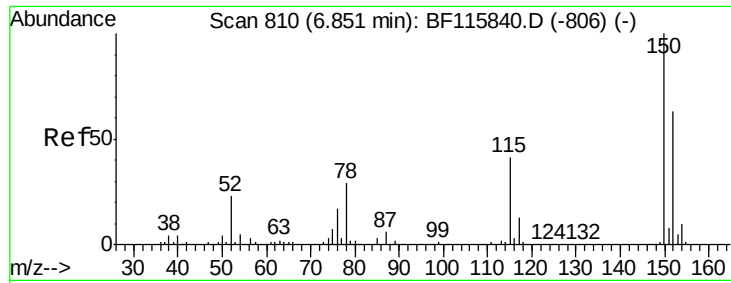
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080319\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.01	237	295322	74.730	ng	99
43) 2,4,6-Trichlorophenol	9.14	196	267545	43.907	ng	99
44) 2,4,5-Trichlorophenol	9.18	196	289350	45.937	ng	98
46) 1,1'-Biphenyl	9.32	154	1072373	45.870	ng	100
47) 2-Chloronaphthalene	9.35	162	848573	43.611	ng	99
48) 2-Nitroaniline	9.44	65	274337	42.655	ng	90
49) Acenaphthylene	9.76	152	1301391	45.844	ng	99
50) Dimethylphthalate	9.62	163	1028341	45.609	ng	99
51) 2,6-Dinitrotoluene	9.69	165	229261	46.789	ng	96
52) Acenaphthene	9.93	154	771082	44.276	ng	100
53) 3-Nitroaniline	9.85	138	177256	29.277	ng	92
54) 2,4-Dinitrophenol	9.97	184	196633	79.008	ng	97
55) Dibenzofuran	10.10	168	1135157	44.822	ng	96
56) 4-Nitrophenol	10.03	139	338185	87.196	ng	98
57) 2,4-Dinitrotoluene	10.09	165	295311	45.267	ng	91
58) Fluorene	10.45	166	894594	45.911	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.23	232	252333	47.616	ng	97
60) Diethylphthalate	10.32	149	968193	45.994	ng	99
61) 4-Chlorophenyl-phenylether	10.43	204	448782	45.477	ng	98
62) 4-Nitroaniline	10.47	138	258757	41.355	ng	99
63) Azobenzene	10.60	77	1005148	46.423	ng	97
65) 4,6-Dinitro-2-methylphenol	10.51	198	147233	48.088	ng	96
66) n-Nitrosodiphenylamine	10.56	169	812803	46.740	ng	99
67) 4-Bromophenyl-phenylether	10.93	248	284786	46.045	ng	92
68) Hexachlorobenzene	11.00	284	311520	43.558	ng	95
69) Atrazine	11.09	200	266720	46.621	ng	99
70) Pentachlorophenol	11.20	266	303335	87.360	ng	98
71) Phenanthrene	11.41	178	1324524	44.844	ng	100
72) Anthracene	11.46	178	1388943	46.465	ng	99
73) Carbazole	11.62	167	1234850	45.534	ng	100
74) Di-n-butylphthalate	11.94	149	1508314	47.677	ng	100
75) Fluoranthene	12.60	202	1401295	45.318	ng	98
77) Benzidine	12.72	184	708979	50.156	ng	97
78) Pyrene	12.83	202	1409091	44.676	ng	100
80) Butylbenzylphthalate	13.44	149	642578	48.163	ng	98
81) Benzo(a)anthracene	14.02	228	1208266	45.181	ng	99
82) 3,3'-Dichlorobenzidine	13.97	252	314336	33.832	ng	99
83) Chrysene	14.06	228	1153778	44.439	ng	99
84) Bis(2-ethylhexyl)phthalate	14.00	149	880846	50.806	ng	100
85) Di-n-octyl phthalate	14.61	149	1423576	51.695	ng	99
86) Indeno(1,2,3-cd)pyrene	16.99	276	979427	44.914	ng	99
88) Benzo(b)fluoranthene	15.07	252	1112300	47.910	ng	98
89) Benzo(k)fluoranthene	15.10	252	1019651	45.091	ng	99
90) Benzo(a)pyrene	15.44	252	995122	47.949	ng	99
91) Dibenzo(a,h)anthracene	17.00	278	826826	46.025	ng	100
92) Benzo(g,h,i)perylene	17.43	276	796633	45.153	ng	97

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

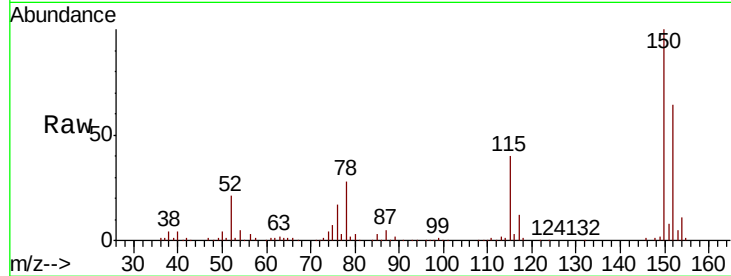


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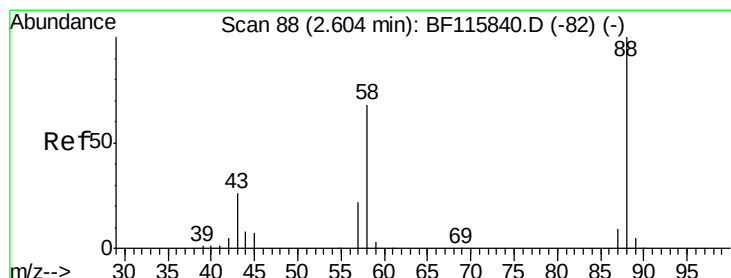
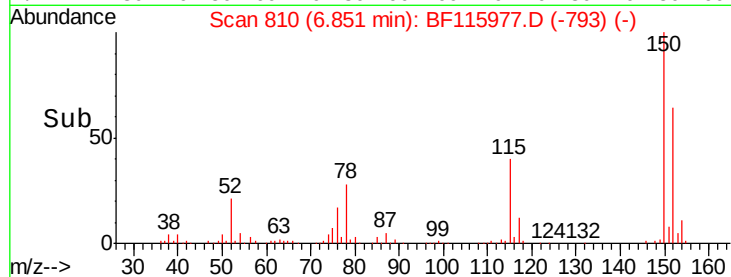
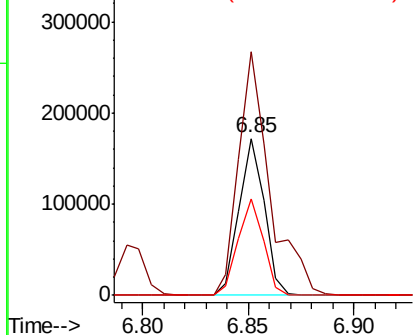
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF115977.D
Acq: 3 Aug 2019 13:16

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL03-RC

Tgt Ion: 152 Resp: 141804
Ion Ratio Lower Upper
152 100
150 155.2 127.4 191.0
115 61.6 51.8 77.8



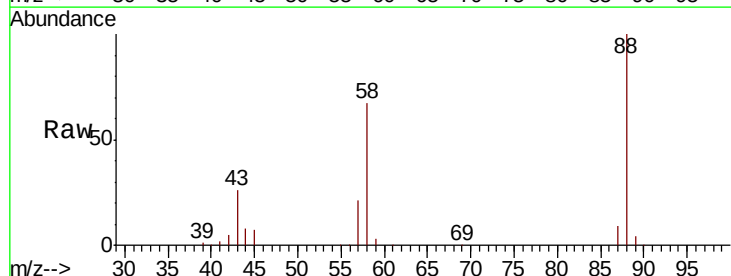
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



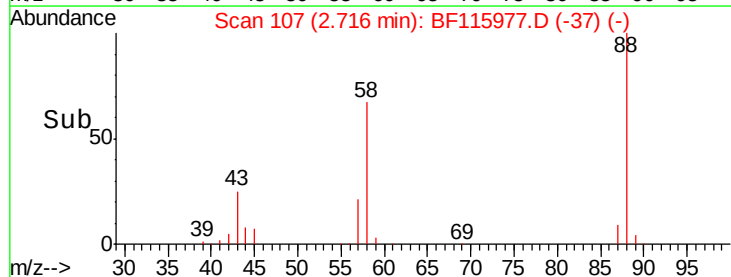
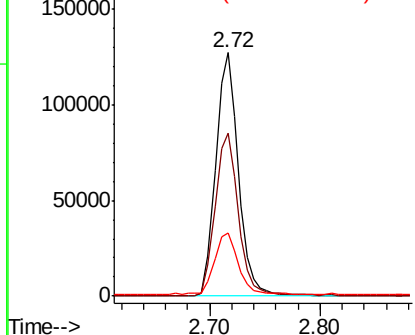
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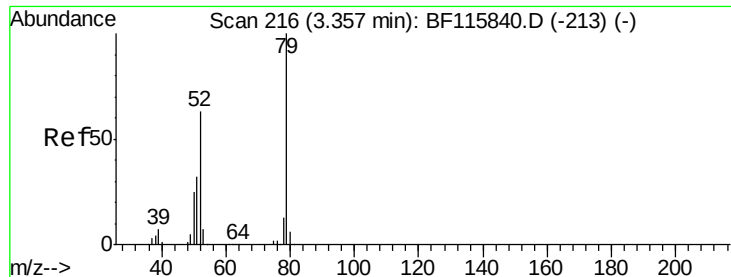
1,4-Dioxane
Concen: 42.359 ng
RT: 2.72 min Scan# 107
Delta R.T. 0.11 min
Lab File: BF115977.D
Acq: 3 Aug 2019 13:16

Tgt Ion: 88 Resp: 181267
Ion Ratio Lower Upper
88 100
58 69.4 54.1 81.1
43 27.0 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

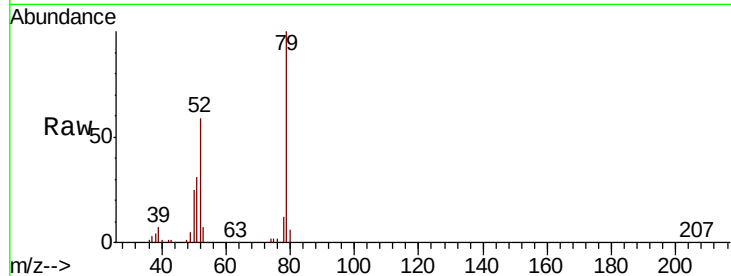




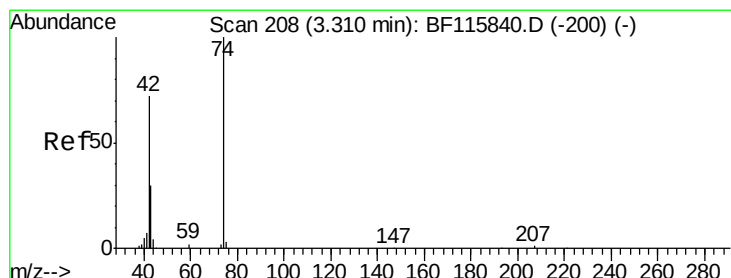
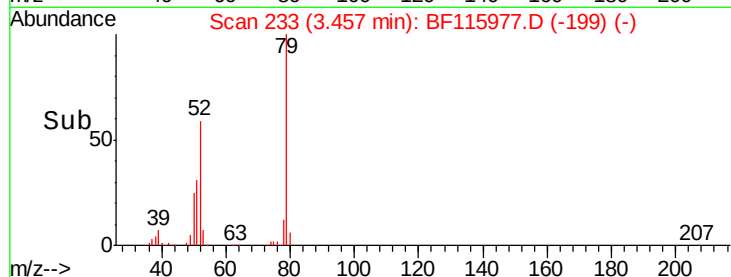
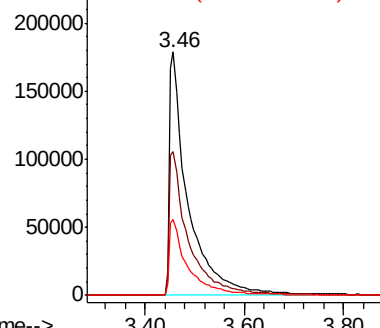
#3
 Pyridine
 Concen: 38.848 ng
 RT: 3.46 min Scan# 233
 Delta R.T. 0.10 min
 Lab File: BF115977.D
 Acq: 3 Aug 2019 13:16

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL03-RC

Tgt Ion: 79 Resp: 464381
 Ion Ratio Lower Upper
 79 100
 52 59.0 50.2 75.4
 51 31.4 25.8 38.6

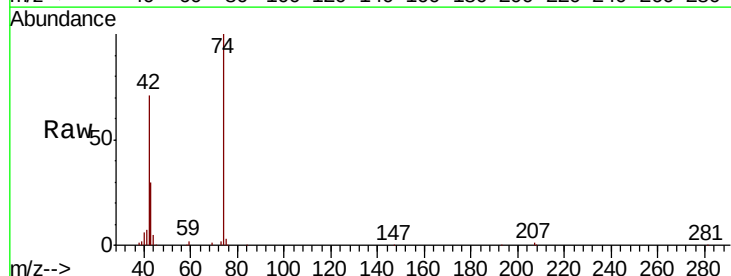


Abundance Ion 79.00 (78.70 to 79.70): BF1
 Ion 52.00 (51.70 to 52.70): BF1
 Ion 51.00 (50.70 to 51.70): BF1

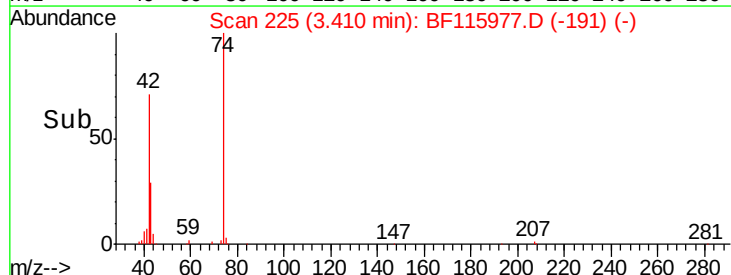
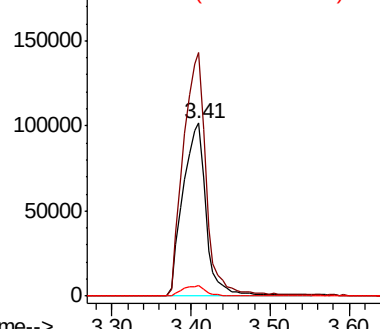


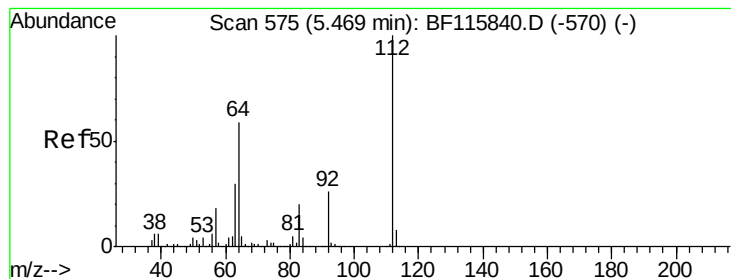
#4
 n-Nitrosodimethylamine
 Concen: 43.935 ng
 RT: 3.41 min Scan# 225
 Delta R.T. 0.10 min
 Lab File: BF115977.D
 Acq: 3 Aug 2019 13:16

Tgt Ion: 42 Resp: 207258
 Ion Ratio Lower Upper
 42 100
 74 140.6 111.0 166.4
 44 6.5 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

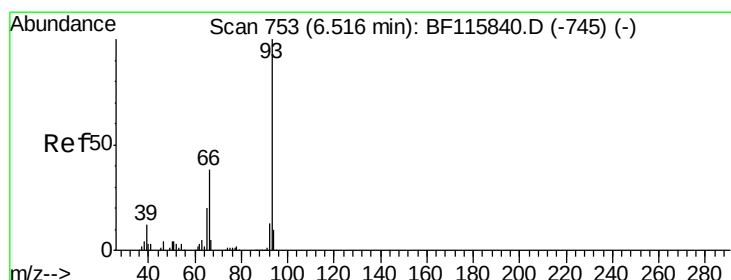
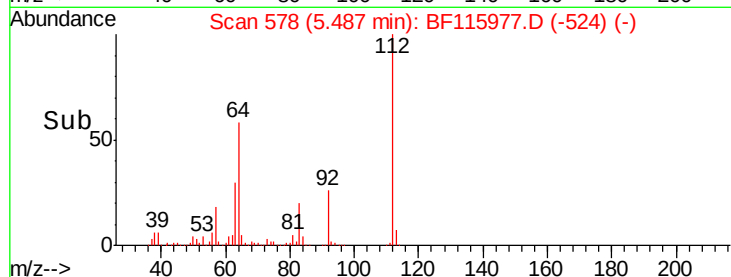
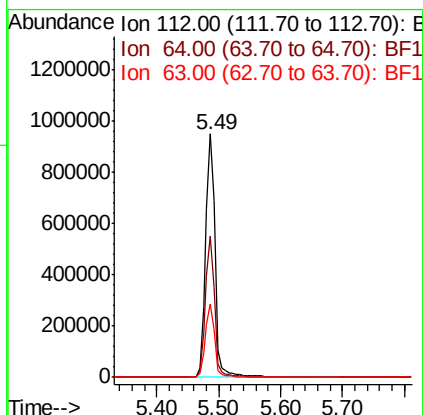
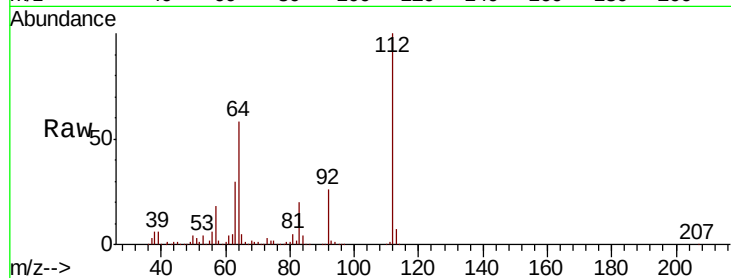




#5
 2-Fluorophenol
 Concen: 120.949 ng
 RT: 5.49 min Scan# 578
 Delta R.T. 0.02 min
 Lab File: BF115977.D
 Acq: 3 Aug 2019 13:16

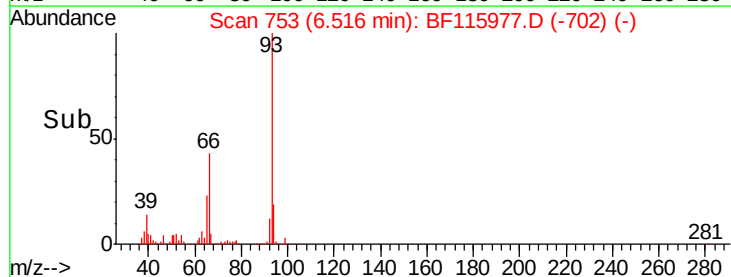
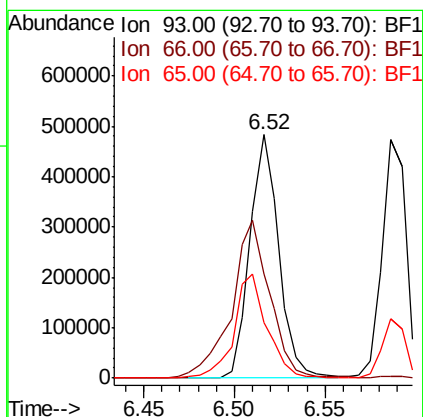
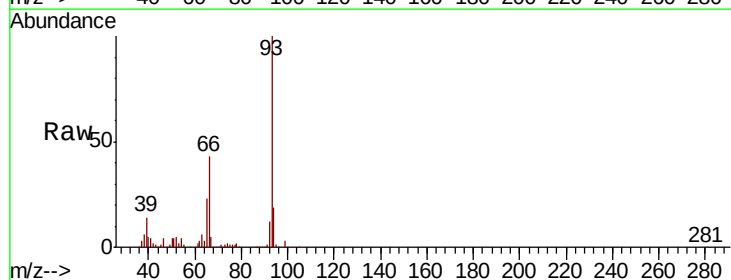
Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL03-RC

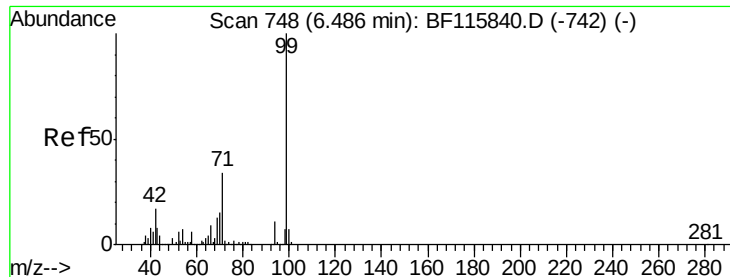
Tgt Ion: 112 Resp: 1024517
 Ion Ratio Lower Upper
 112 100
 64 58.1 46.8 70.2
 63 30.1 24.2 36.2



#6
 Aniline
 Concen: 35.051 ng
 RT: 6.52 min Scan# 753
 Delta R.T. 0.00 min
 Lab File: BF115977.D
 Acq: 3 Aug 2019 13:16

Tgt Ion: 93 Resp: 536466
 Ion Ratio Lower Upper
 93 100
 66 42.7 31.4 47.0
 65 22.8 16.5 24.7





#7

Phenol-d6

Concen: 121.863 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF115977.D

Acq: 3 Aug 2019 13:16

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL03-RC

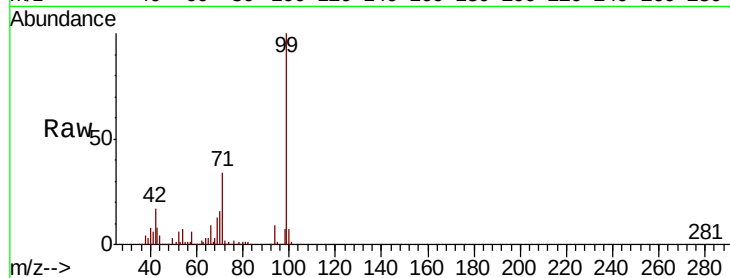
Tgt Ion: 99 Resp: 1302373

Ion Ratio Lower Upper

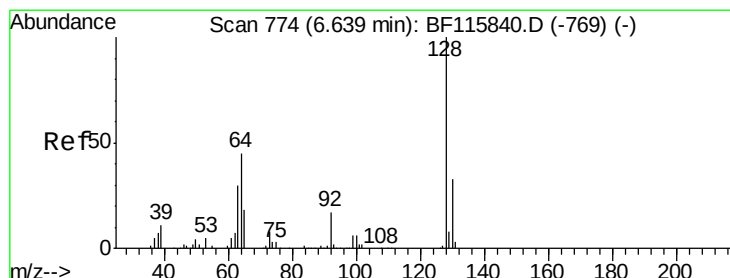
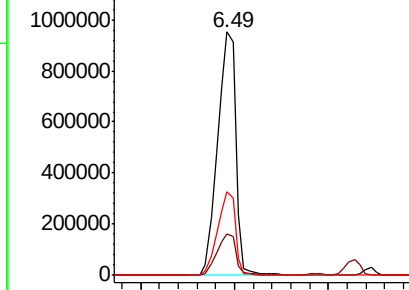
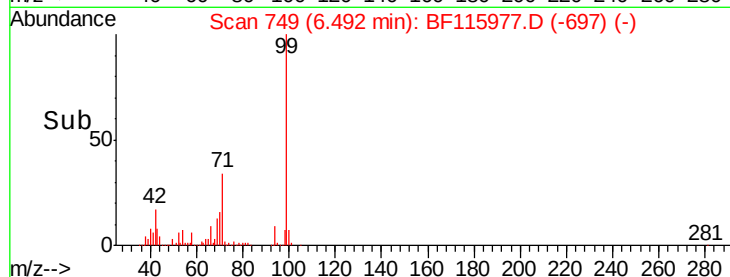
99 100

42 17.2 13.8 20.6

71 34.2 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: 48.060 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.01 min

Lab File: BF115977.D

Acq: 3 Aug 2019 13:16

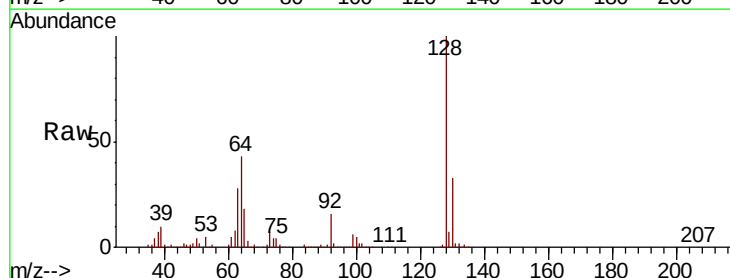
Tgt Ion: 128 Resp: 450168

Ion Ratio Lower Upper

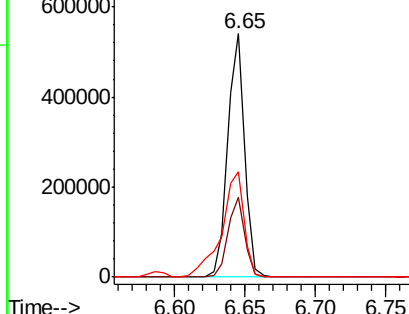
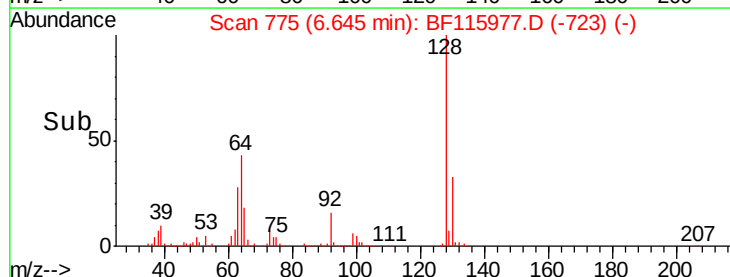
128 100

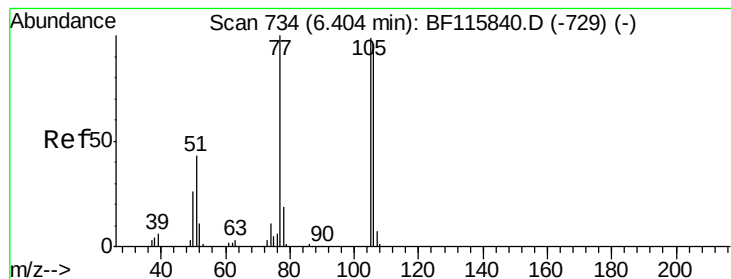
130 32.8 12.9 52.9

64 43.4 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: 34.357 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.00 min

Lab File: BF115977.D

Acq: 3 Aug 2019 13:16

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL03-RC

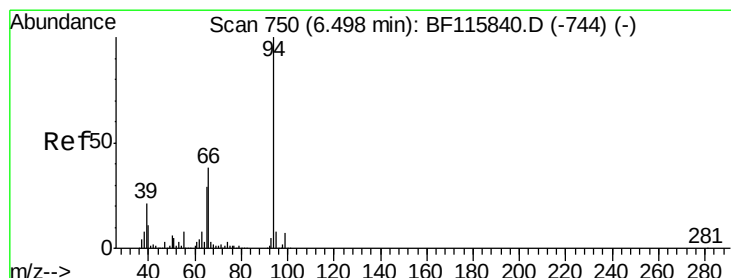
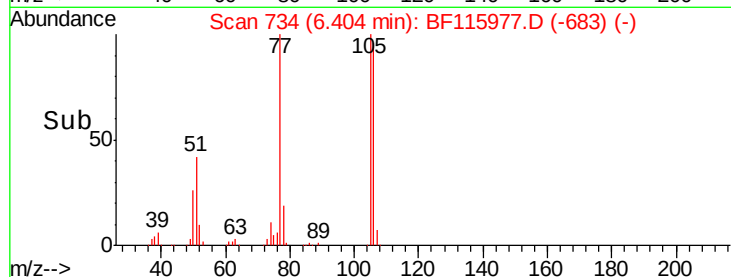
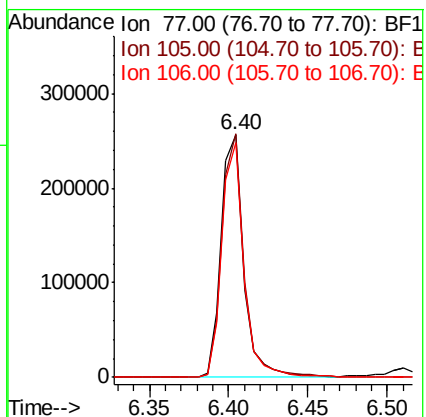
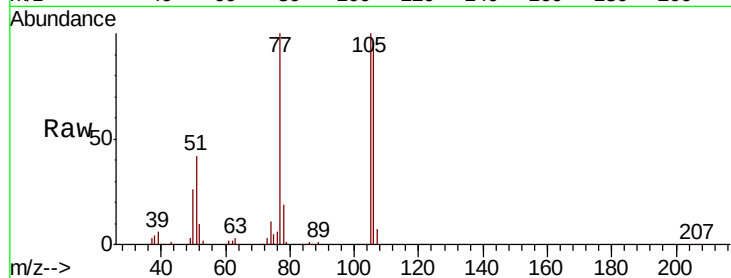
Tgt Ion: 77 Resp: 253352

Ion Ratio Lower Upper

77 100

105 100.4 79.0 119.0

106 96.9 76.2 116.2



#10

Phenol

Concen: 45.152 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF115977.D

Acq: 3 Aug 2019 13:16

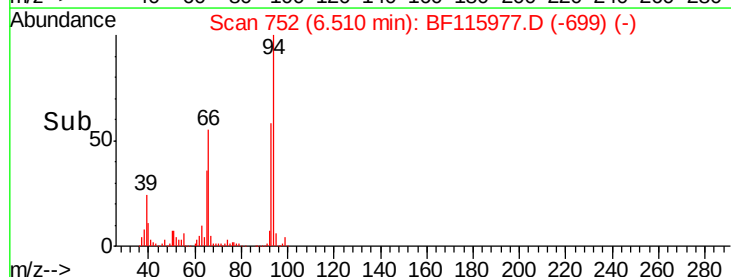
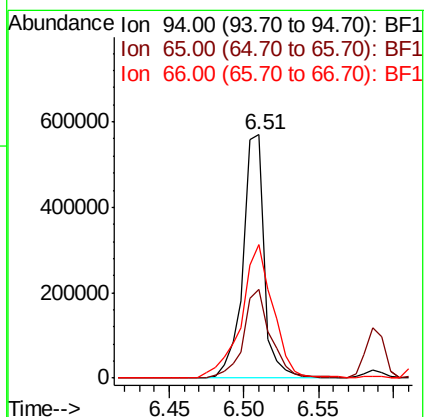
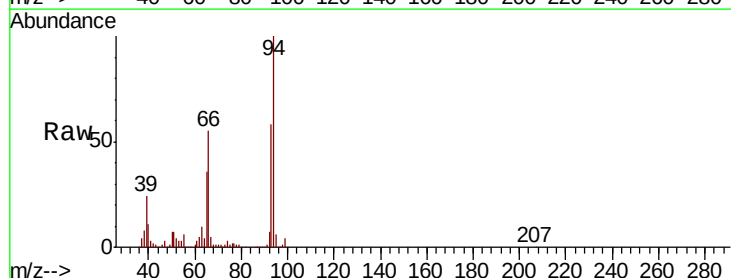
Tgt Ion: 94 Resp: 568251

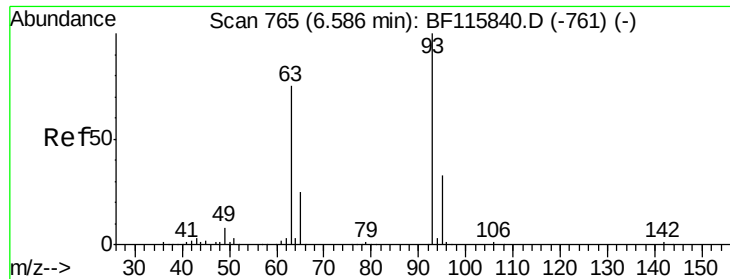
Ion Ratio Lower Upper

94 100

65 36.4 8.9 48.9

66 54.8 18.0 58.0

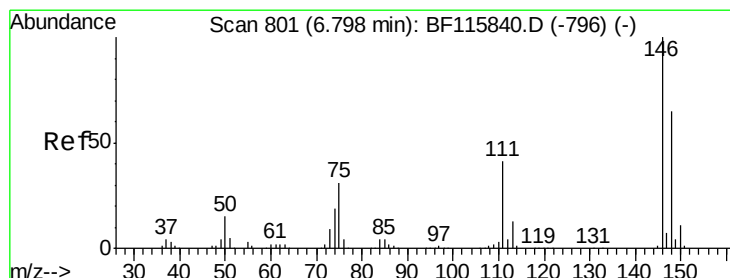
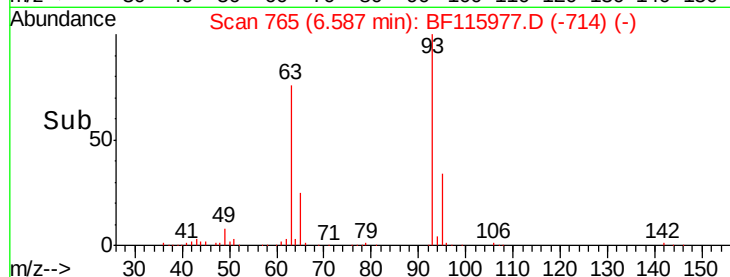
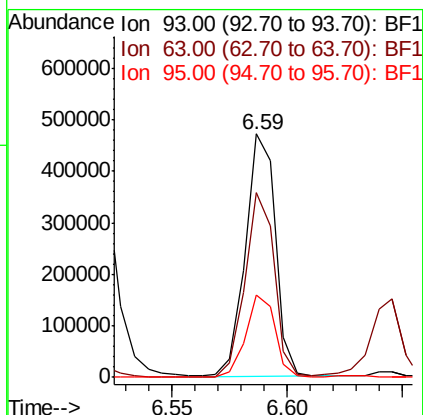
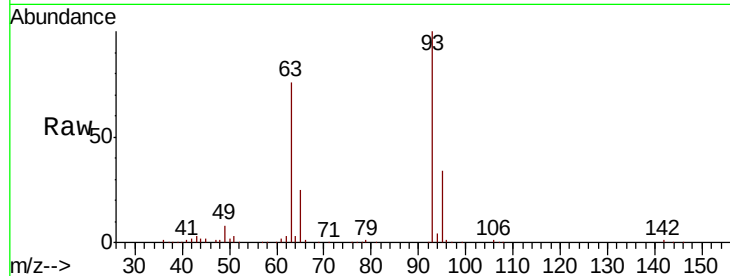




#11
 bis(2-Chloroethyl)ether
 Concen: 46.447 ng
 RT: 6.59 min Scan# 765
 Delta R.T. 0.00 min
 Lab File: BF115977.D
 Acq: 3 Aug 2019 13:16

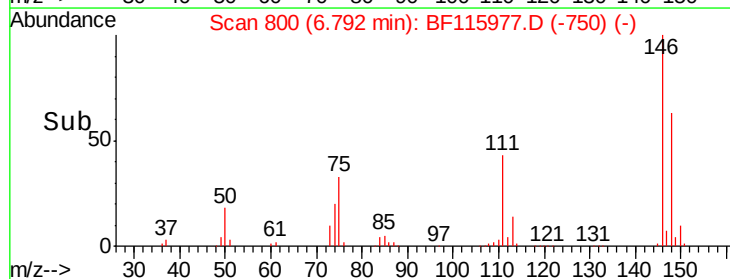
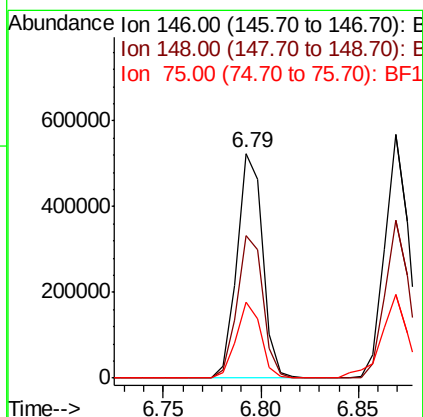
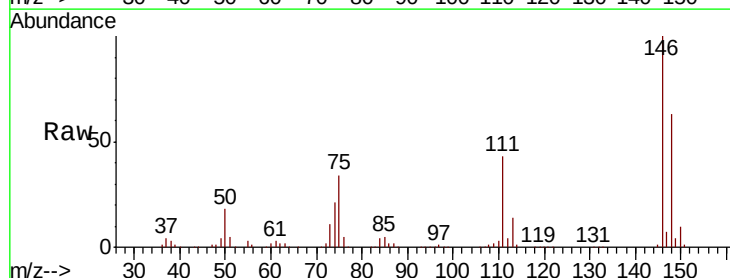
Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL03-RC

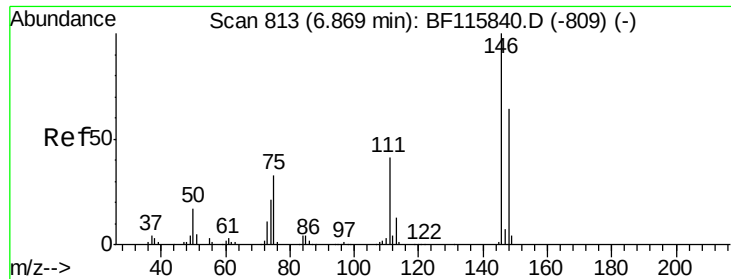
Tgt Ion: 93 Resp: 429767
 Ion Ratio Lower Upper
 93 100
 63 76.0 54.9 94.9
 95 33.6 13.3 53.3



#12
 1,3-Dichlorobenzene
 Concen: 44.227 ng
 RT: 6.79 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: BF115977.D
 Acq: 3 Aug 2019 13:16

Tgt Ion: 146 Resp: 478764
 Ion Ratio Lower Upper
 146 100
 148 63.4 52.1 78.1
 75 34.0 25.0 37.6

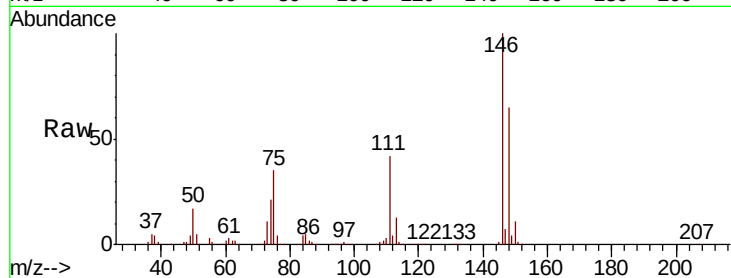




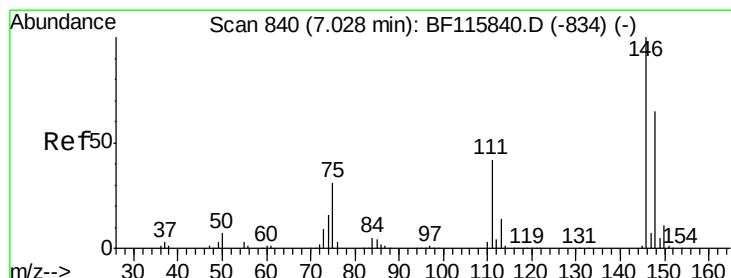
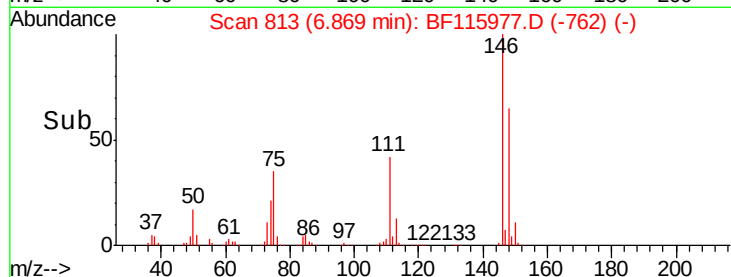
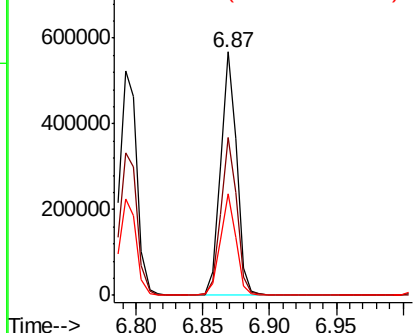
#13
 1,4-Dichlorobenzene
 Concen: 44.845 ng
 RT: 6.87 min Scan# 813
 Delta R.T. 0.00 min
 Lab File: BF115977.D
 Acq: 3 Aug 2019 13:16

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL03-RC

Tgt Ion:146 Resp: 486069
 Ion Ratio Lower Upper
 146 100
 148 64.8 51.2 76.8
 111 41.6 33.2 49.8

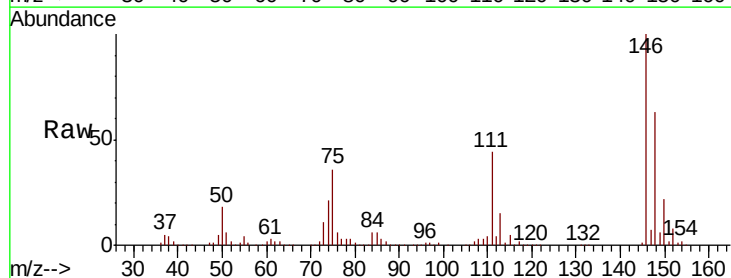


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

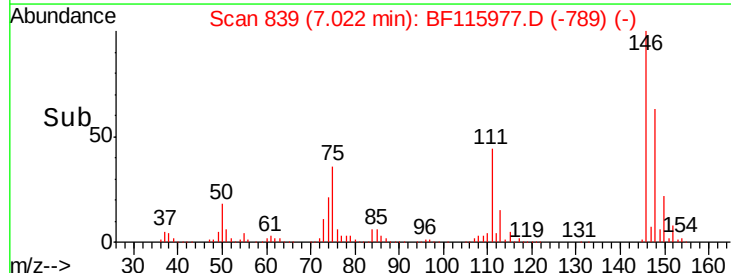
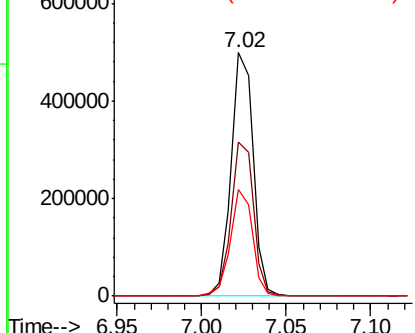


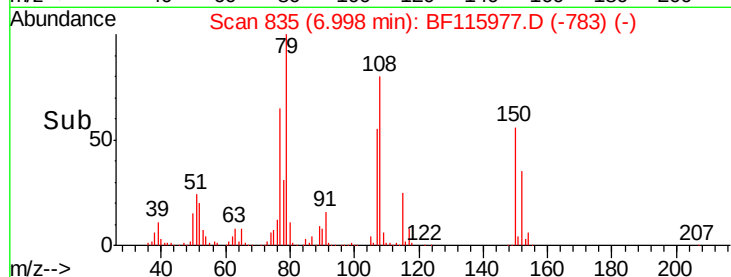
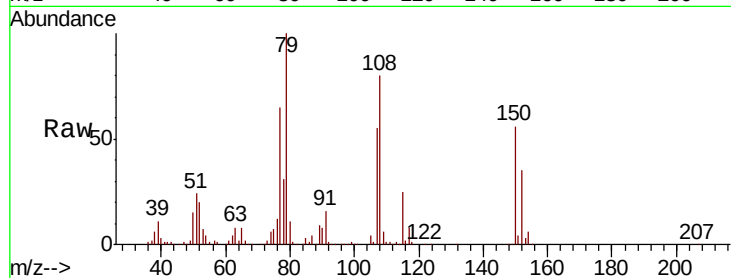
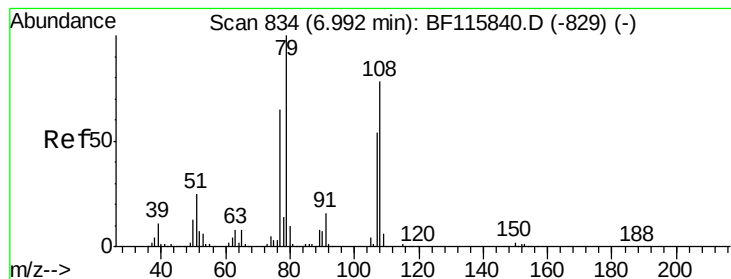
#14
 1,2-Dichlorobenzene
 Concen: 45.084 ng
 RT: 7.02 min Scan# 839
 Delta R.T. -0.01 min
 Lab File: BF115977.D
 Acq: 3 Aug 2019 13:16

Tgt Ion:146 Resp: 449956
 Ion Ratio Lower Upper
 146 100
 148 63.4 51.6 77.4
 111 43.9 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: 47.507 ng

RT: 7.00 min Scan# 835

Delta R.T. 0.01 min

Lab File: BF115977.D

Acq: 3 Aug 2019 13:16

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL03-RC

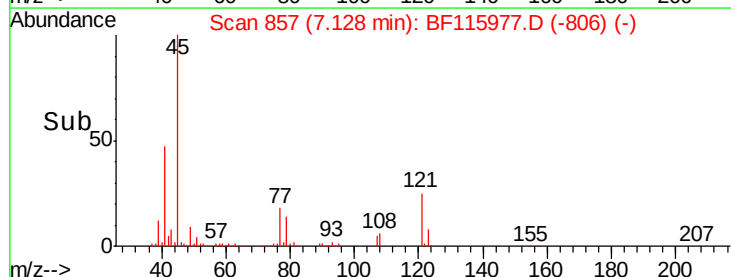
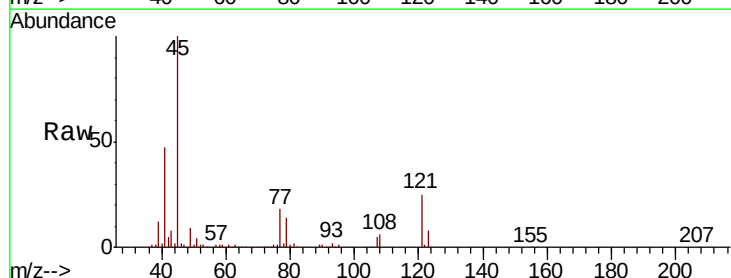
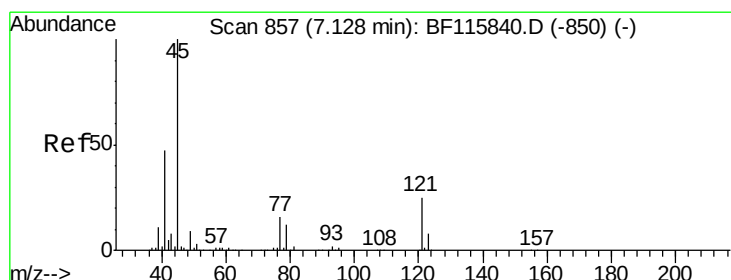
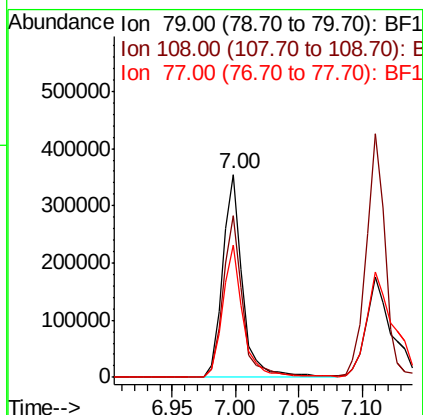
Tgt Ion: 79 Resp: 385309

Ion Ratio Lower Upper

79 100

108 79.9 62.8 94.2

77 65.3 52.0 78.0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 45.251 ng

RT: 7.13 min Scan# 857

Delta R.T. 0.00 min

Lab File: BF115977.D

Acq: 3 Aug 2019 13:16

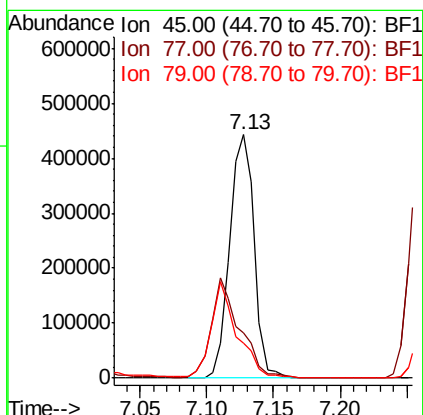
Tgt Ion: 45 Resp: 571111

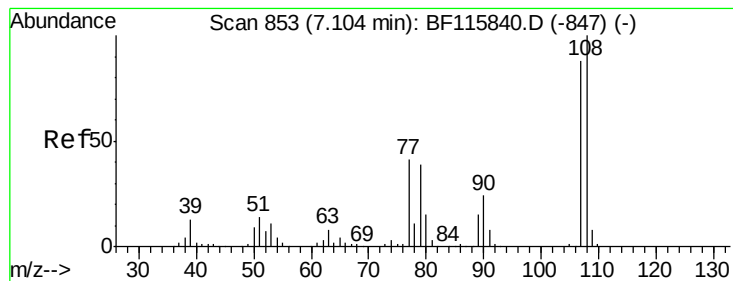
Ion Ratio Lower Upper

45 100

77 18.5 0.0 36.3

79 14.3 0.0 32.5

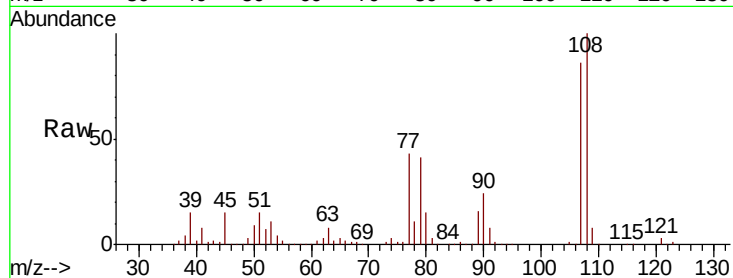




#17
2-Methylphenol
Concen: 48.207 ng
RT: 7.11 min Scan# 854
Delta R.T. 0.01 min
Lab File: BF115977.D
Acq: 3 Aug 2019 13:16

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL03-RC

Tgt Ion:	107	Resp:	382350
Ion	Ratio	Lower	Upper
107	100		
108	115.7	91.4	137.0
77	49.9	37.6	56.4
79	47.6	36.2	54.4



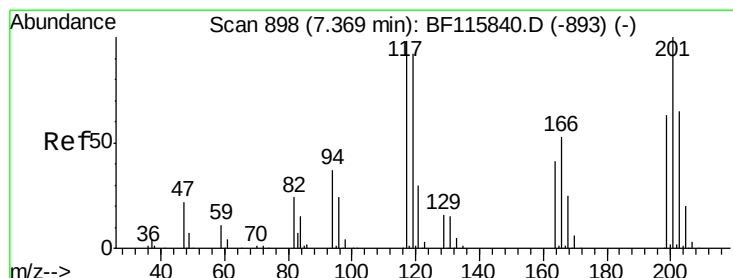
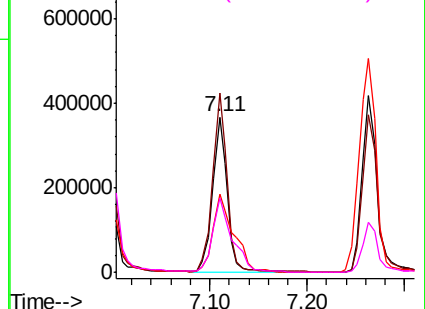
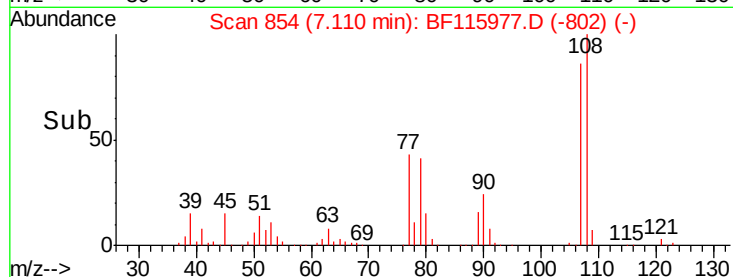
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

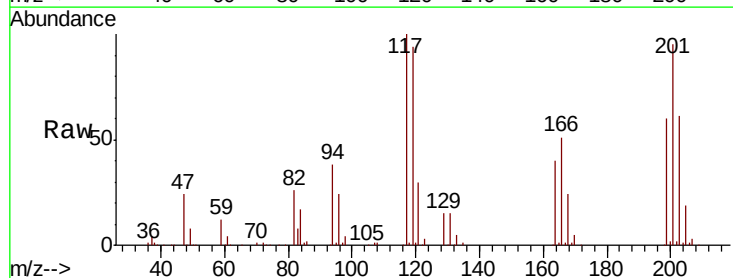
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18
Hexachloroethane
Concen: 45.398 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF115977.D
Acq: 3 Aug 2019 13:16

Tgt Ion:	117	Resp:	181167
Ion	Ratio	Lower	Upper
117	100		
119	94.1	75.8	113.6
201	94.8	82.0	123.0

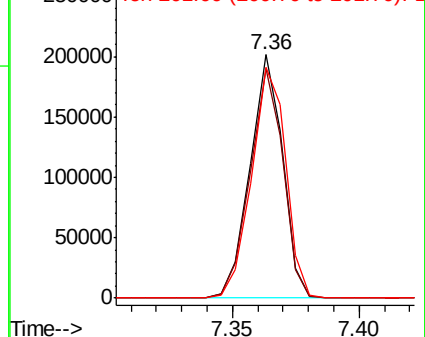
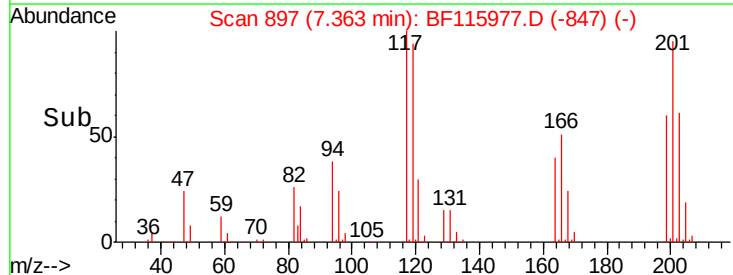


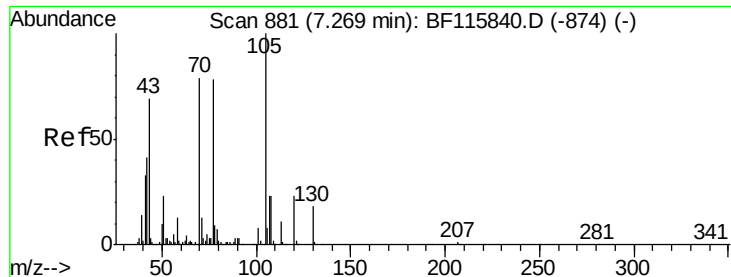
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

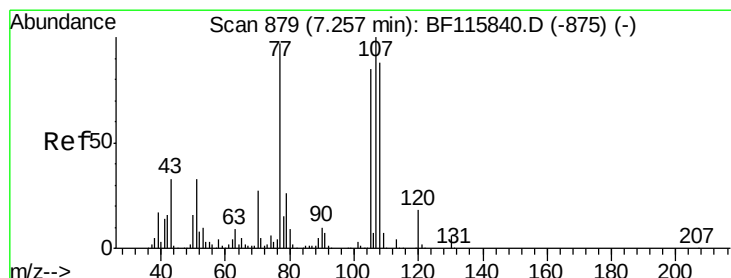
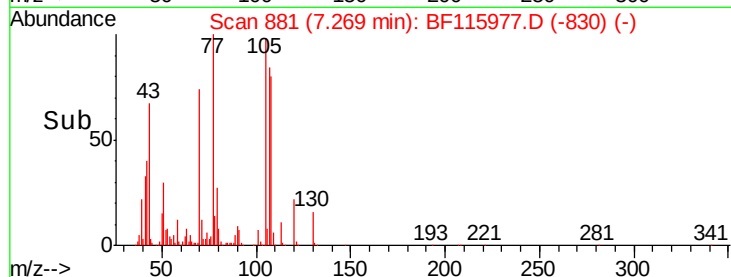
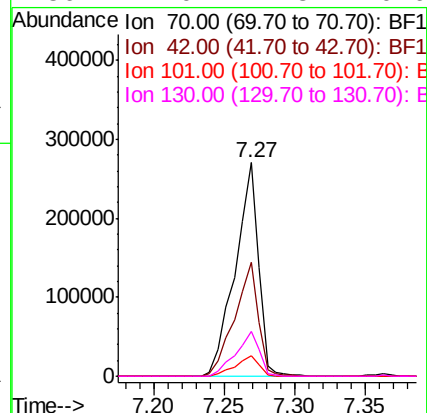
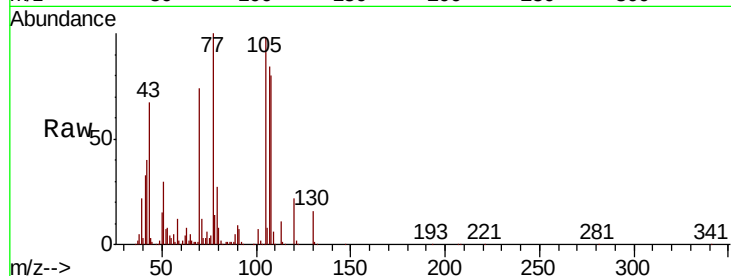




#19
n-Nitroso-di-n-propylamine
Concen: 47.070 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.00 min
Lab File: BF115977.D
Acq: 3 Aug 2019 13:16

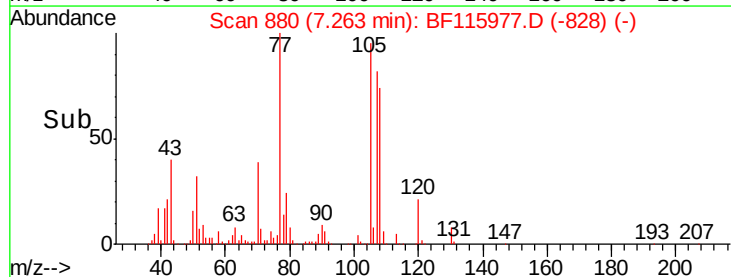
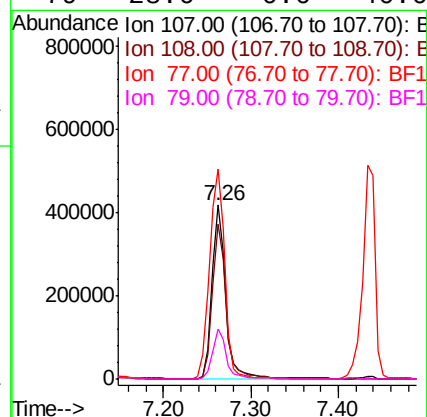
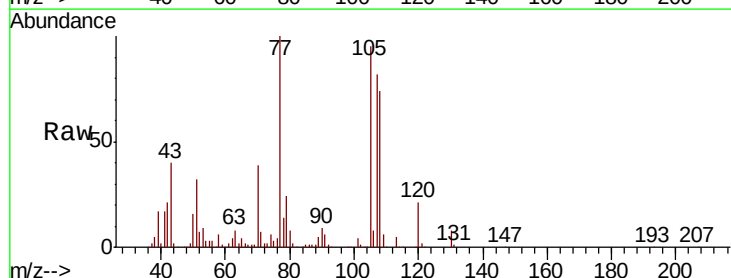
Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL03-RC

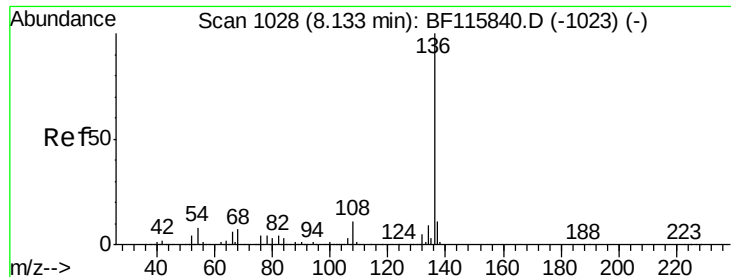
Tgt Ion: 70 Resp: 311724
Ion Ratio Lower Upper
70 100
42 53.3 41.8 62.8
101 9.6 7.7 11.5
130 21.0 17.8 26.6



#20
3+4-Methylphenols
Concen: 48.417 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.01 min
Lab File: BF115977.D
Acq: 3 Aug 2019 13:16

Tgt Ion: 107 Resp: 454435
Ion Ratio Lower Upper
107 100
108 89.5 67.9 107.9
77 121.3 77.3 117.3#
79 28.6 6.6 46.6

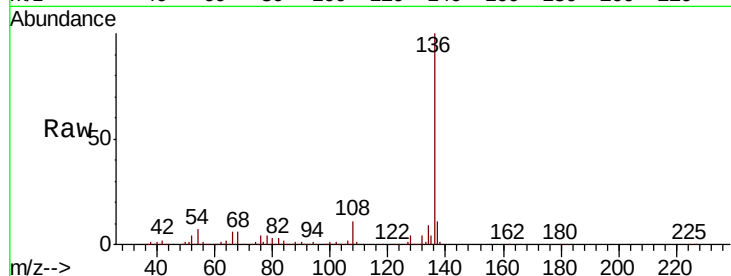




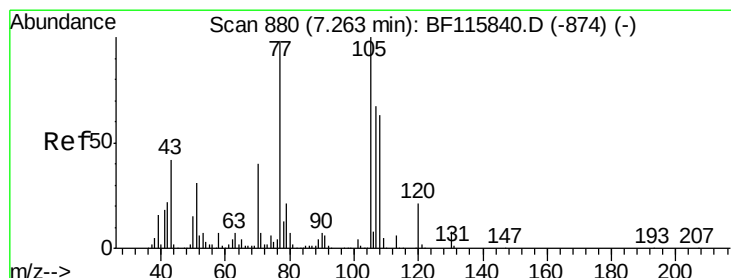
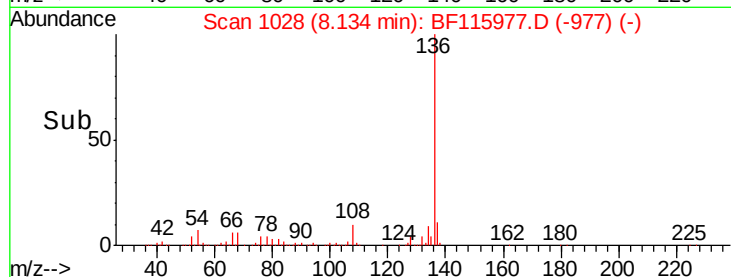
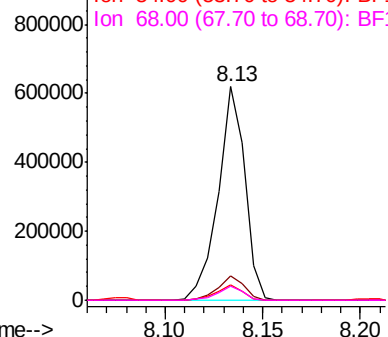
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF115977.D
Acq: 3 Aug 2019 13:16

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL03-RC

Tgt Ion:	136	Resp:	592206
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	7.2	6.1	9.1
68	6.4	5.4	8.2

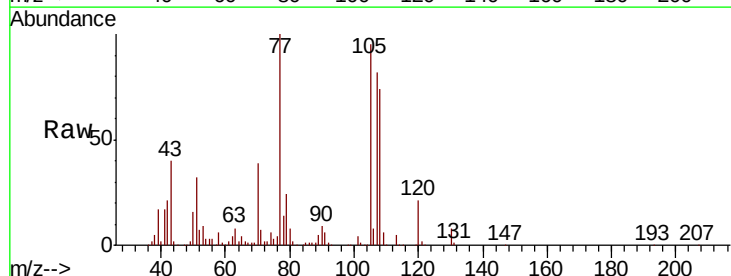


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

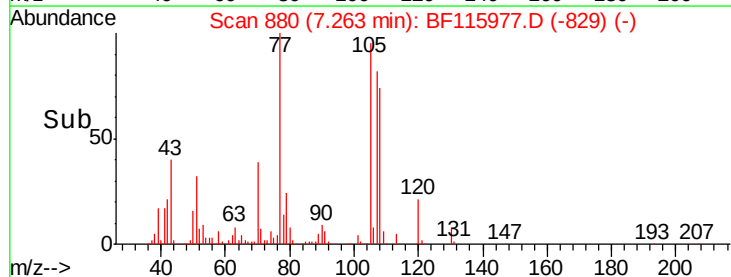
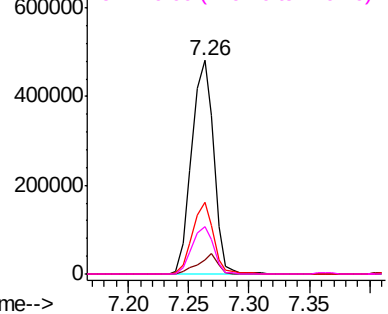


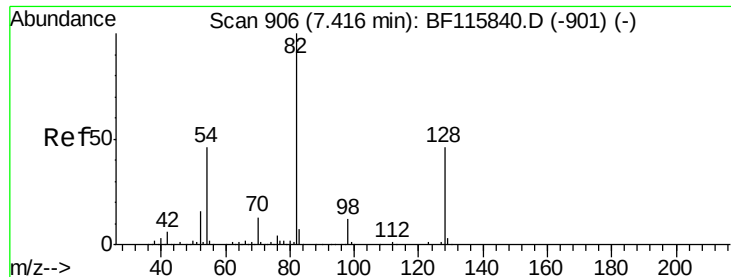
#22
Acetophenone
Concen: 46.622 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.00 min
Lab File: BF115977.D
Acq: 3 Aug 2019 13:16

Tgt Ion:	105	Resp:	605519
Ion	Ratio	Lower	Upper
105	100		
71	6.9	5.4	8.0
51	33.3	24.6	36.8
120	21.9	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

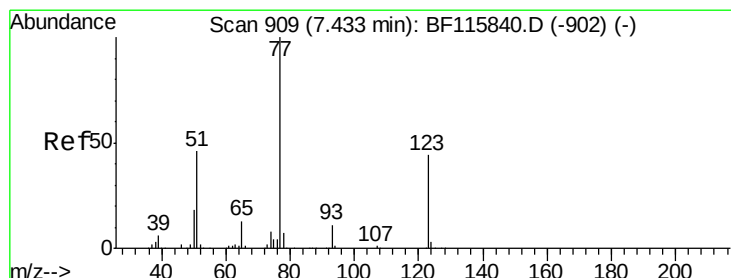
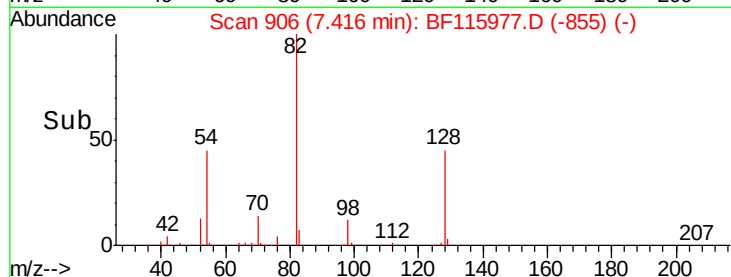
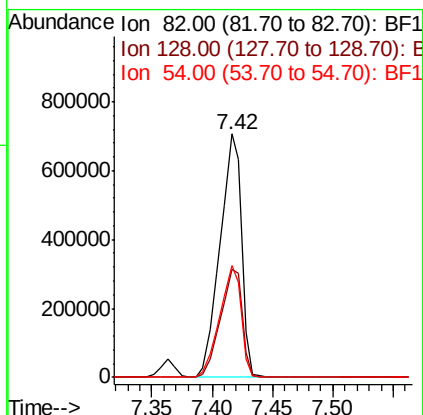
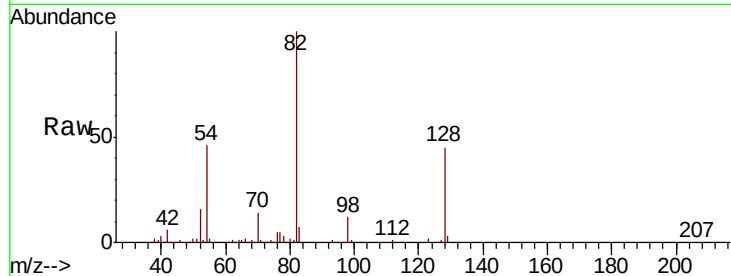




#23
 Nitrobenzene-d5
 Concen: 84.753 ng
 RT: 7.42 min Scan# 906
 Delta R.T. 0.00 min
 Lab File: BF115977.D
 Acq: 3 Aug 2019 13:16

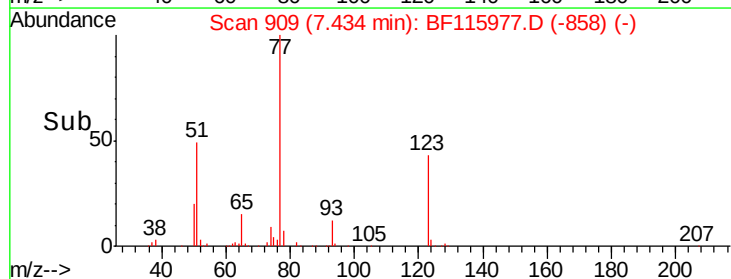
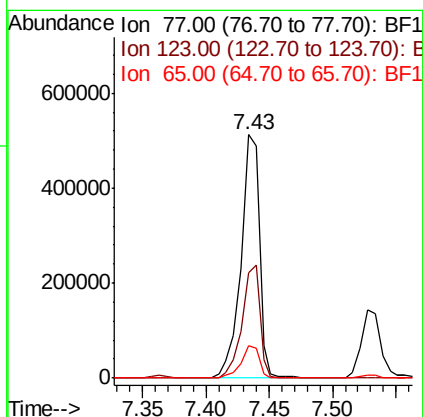
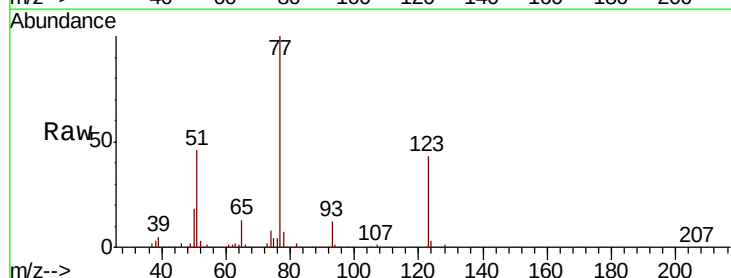
Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL03-RC

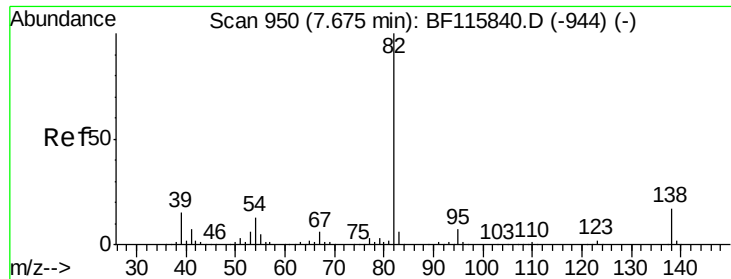
Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.5	36.6	55.0
54	45.9	36.6	55.0



#24
 Nitrobenzene
 Concen: 46.288 ng
 RT: 7.43 min Scan# 909
 Delta R.T. 0.00 min
 Lab File: BF115977.D
 Acq: 3 Aug 2019 13:16

Tgt Ion	Ratio	Lower	Upper
77	100		
123	43.2	35.5	53.3
65	13.4	10.6	15.8

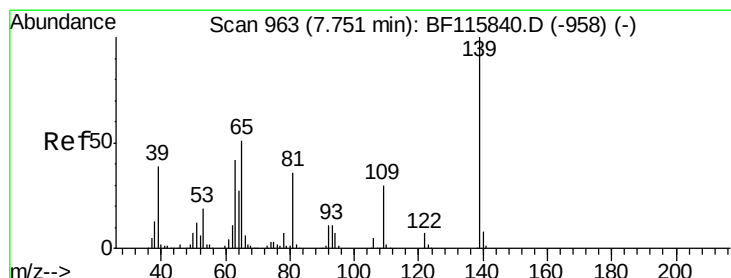
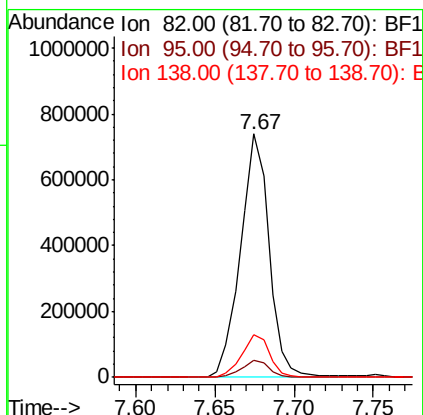
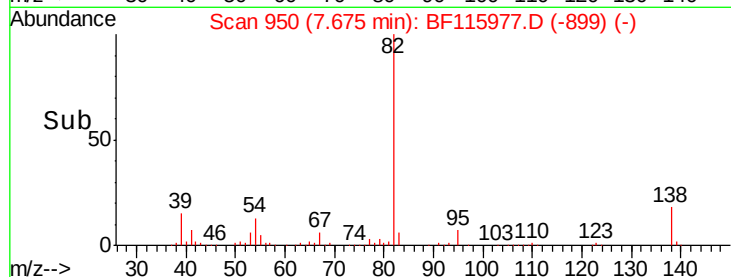
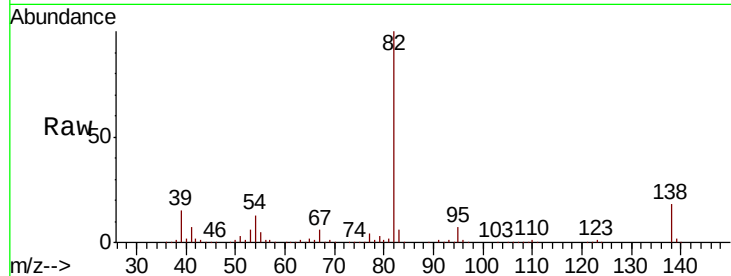




#25
Isophorone
Concen: 47.319 ng
RT: 7.67 min Scan# 950
Delta R.T. 0.00 min
Lab File: BF115977.D
Acq: 3 Aug 2019 13:16

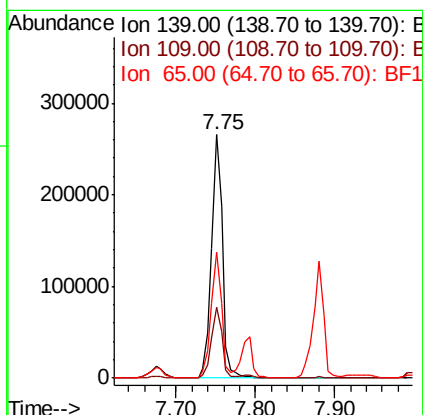
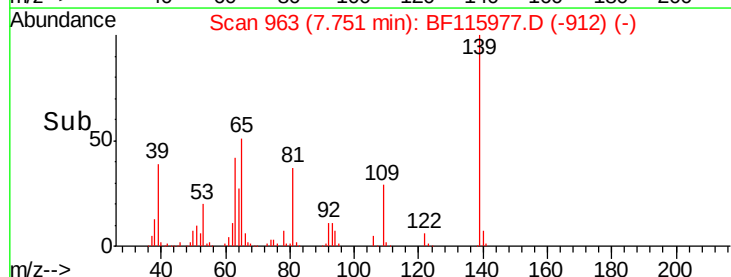
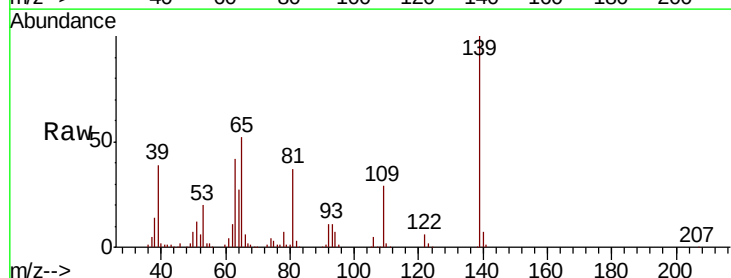
Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL03-RC

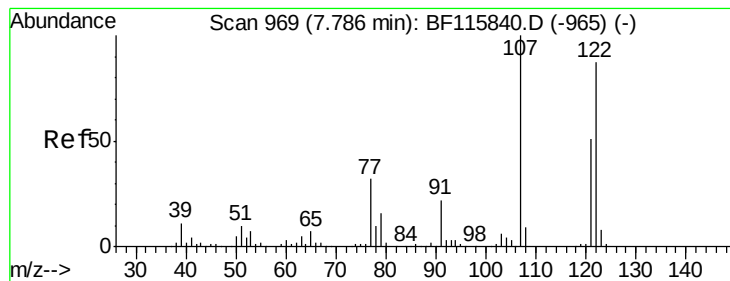
Tgt Ion: 82 Resp: 928276
Ion Ratio Lower Upper
82 100
95 6.8 5.5 8.3
138 17.5 13.9 20.9



#26
2-Nitrophenol
Concen: 48.658 ng
RT: 7.75 min Scan# 963
Delta R.T. 0.00 min
Lab File: BF115977.D
Acq: 3 Aug 2019 13:16

Tgt Ion: 139 Resp: 254087
Ion Ratio Lower Upper
139 100
109 29.2 23.6 35.4
65 51.9 40.6 60.8





#27

2,4-Dimethylphenol

Concen: 52.636 ng

RT: 7.79 min Scan# 970

Delta R.T. 0.01 min

Lab File: BF115977.D

Acq: 3 Aug 2019 13:16

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL03-RC

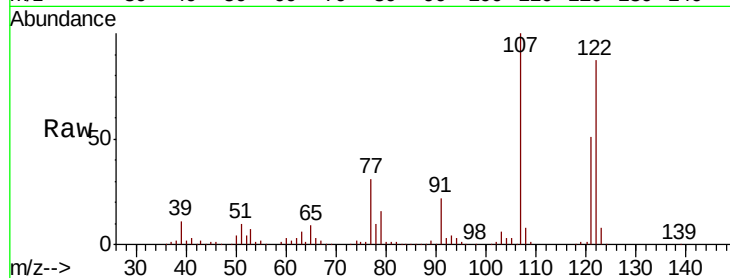
Tgt Ion:122 Resp: 413520

Ion Ratio Lower Upper

122 100

107 114.4 91.7 137.5

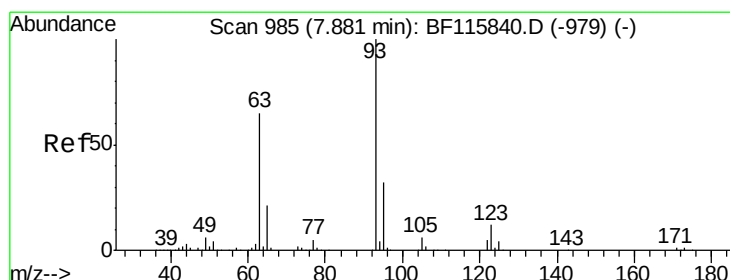
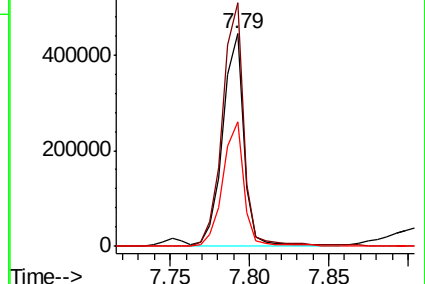
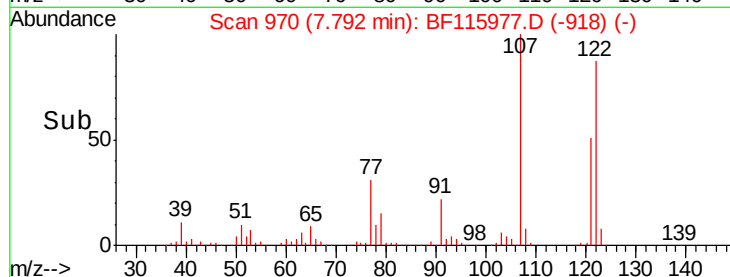
121 58.8 46.6 70.0



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: 45.976 ng

RT: 7.88 min Scan# 985

Delta R.T. 0.00 min

Lab File: BF115977.D

Acq: 3 Aug 2019 13:16

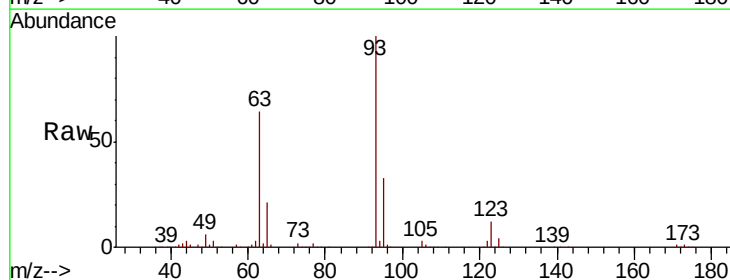
Tgt Ion: 93 Resp: 559032

Ion Ratio Lower Upper

93 100

95 32.9 26.0 39.0

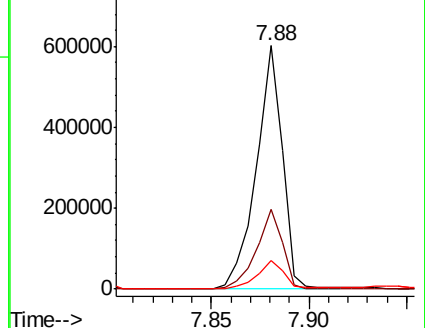
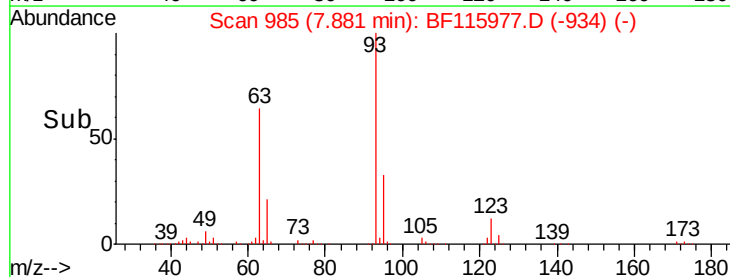
123 11.8 9.5 14.3

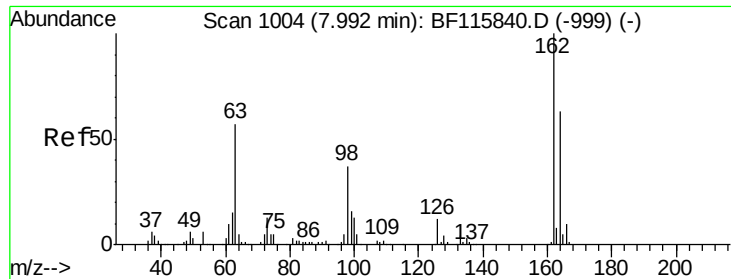


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

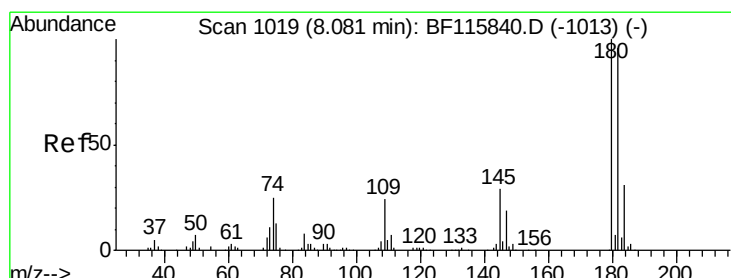
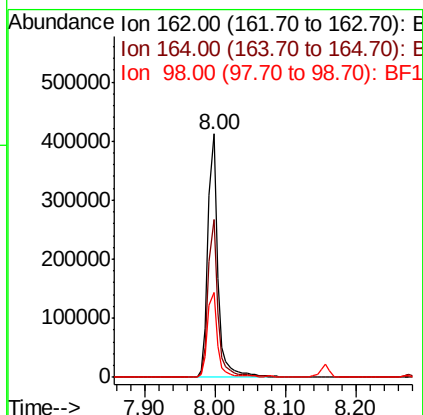
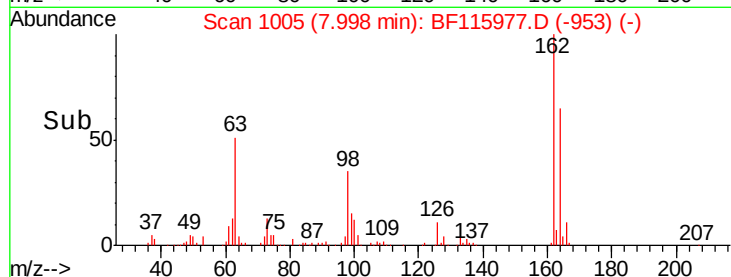
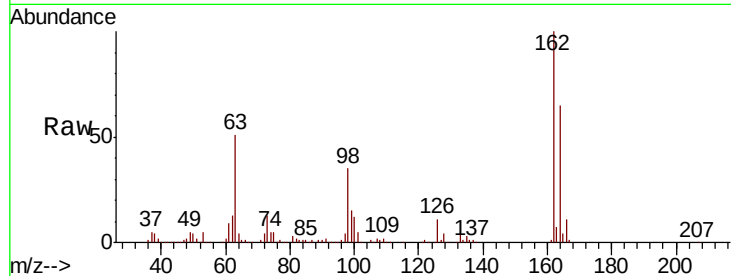




#29
2,4-Dichlorophenol
Concen: 48.688 ng
RT: 8.00 min Scan# 1005
Delta R.T. 0.01 min
Lab File: BF115977.D
Acq: 3 Aug 2019 13:16

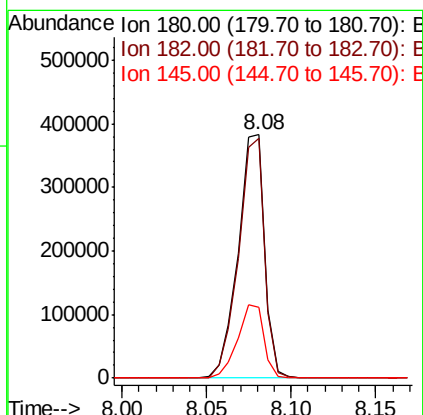
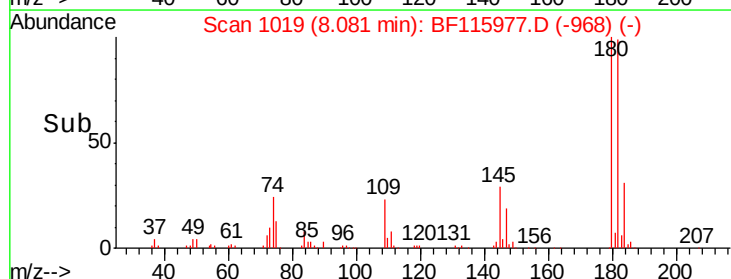
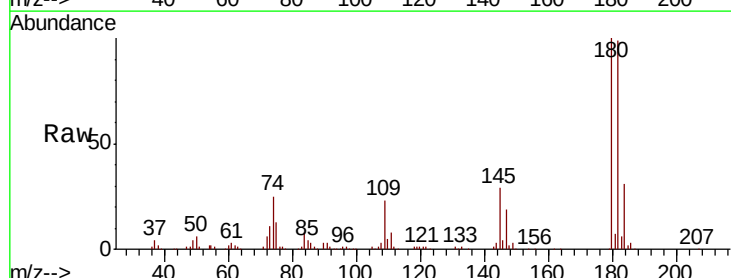
Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL03-RC

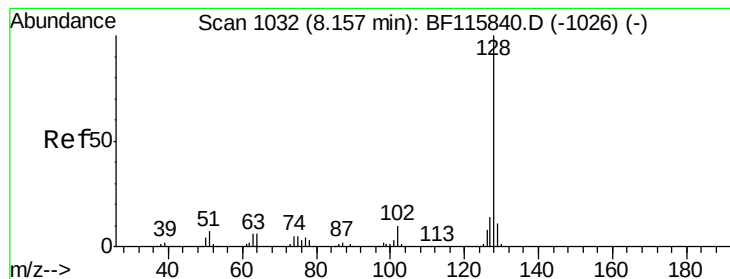
Tgt Ion:162 Resp: 403869
Ion Ratio Lower Upper
162 100
164 64.9 43.2 83.2
98 34.7 17.3 57.3



#30
1,2,4-Trichlorobenzene
Concen: 44.454 ng
RT: 8.08 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BF115977.D
Acq: 3 Aug 2019 13:16

Tgt Ion:180 Resp: 420340
Ion Ratio Lower Upper
180 100
182 98.6 76.6 114.8
145 29.3 23.2 34.8





#31

Naphthalene

Concen: 46.512 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF115977.D

Acq: 3 Aug 2019 13:16

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL03-RC

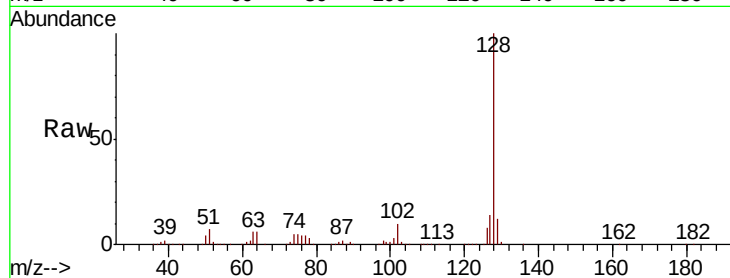
Tgt Ion:128 Resp: 1296205

Ion Ratio Lower Upper

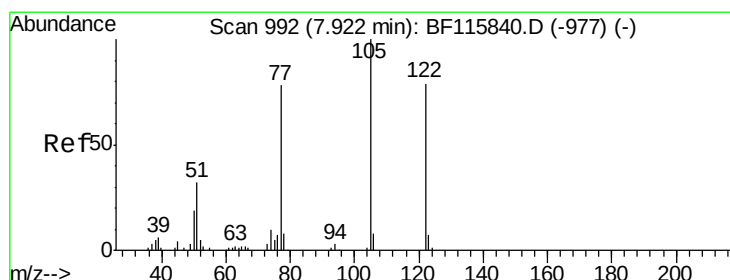
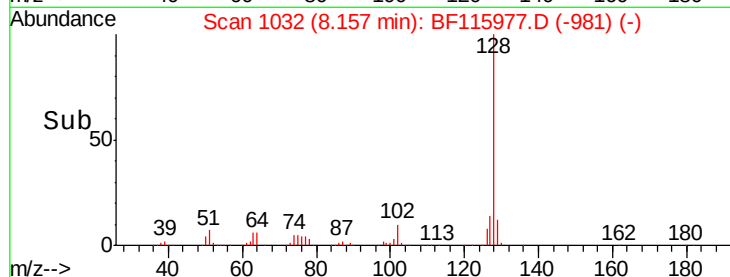
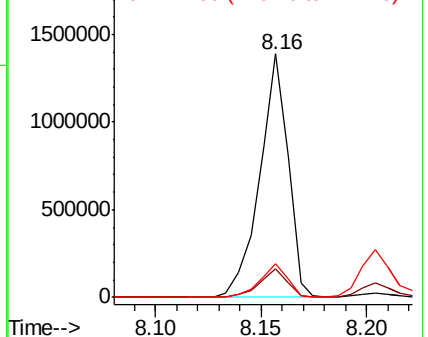
128 100

129 11.7 9.2 13.8

127 13.9 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: 45.616 ng

RT: 7.95 min Scan# 996

Delta R.T. 0.02 min

Lab File: BF115977.D

Acq: 3 Aug 2019 13:16

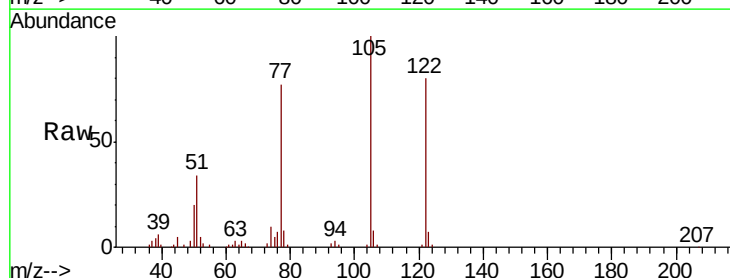
Tgt Ion:122 Resp: 252661

Ion Ratio Lower Upper

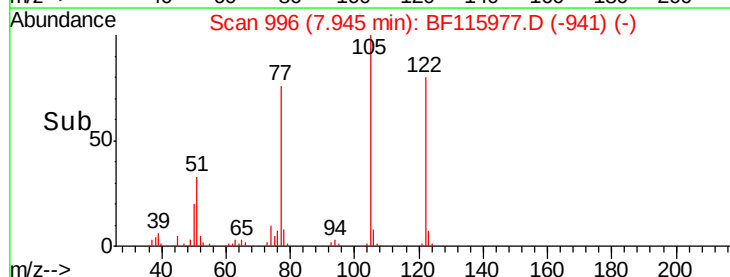
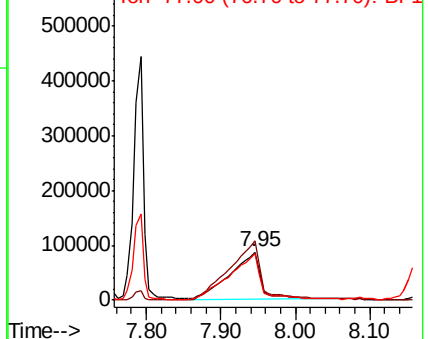
122 100

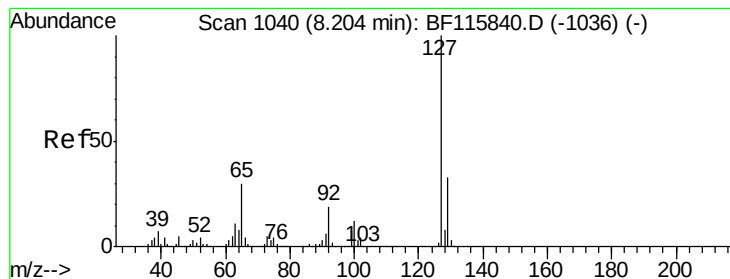
105 124.3 103.1 143.1

77 96.2 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

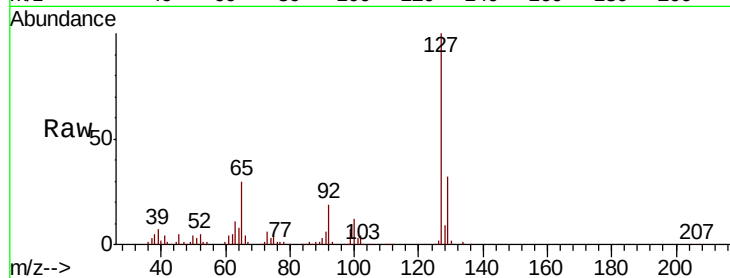




#33
4-Chloroaniline
Concen: 26.152 ng
RT: 8.20 min Scan# 1040
Delta R.T. 0.00 min
Lab File: BF115977.D
Acq: 3 Aug 2019 13:16

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL03-RC

Tgt Ion:	127	Resp:	325640
Ion	Ratio	Lower	Upper
127	100		
129	31.6	26.0	39.0
65	30.4	23.9	35.9
92	18.5	14.9	22.3



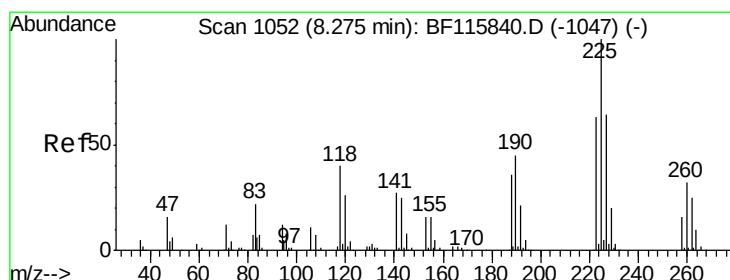
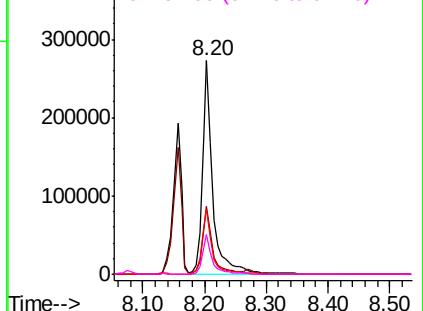
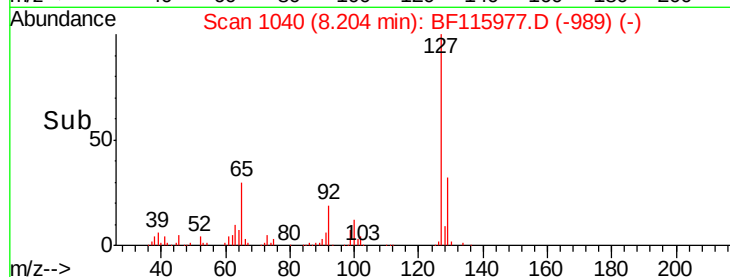
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

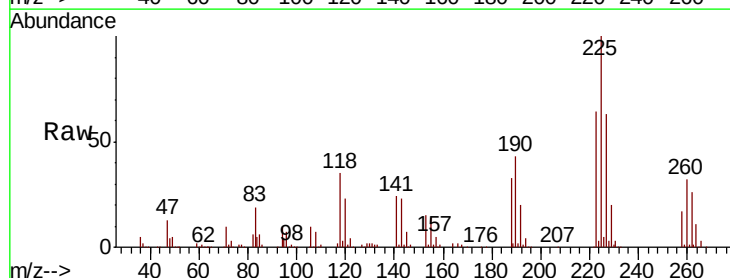
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34
Hexachlorobutadiene
Concen: 44.118 ng
RT: 8.27 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BF115977.D
Acq: 3 Aug 2019 13:16

Tgt Ion:	225	Resp:	240285
Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.4	75.6
227	63.4	51.6	77.4

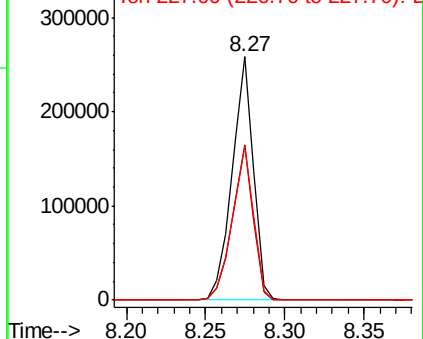
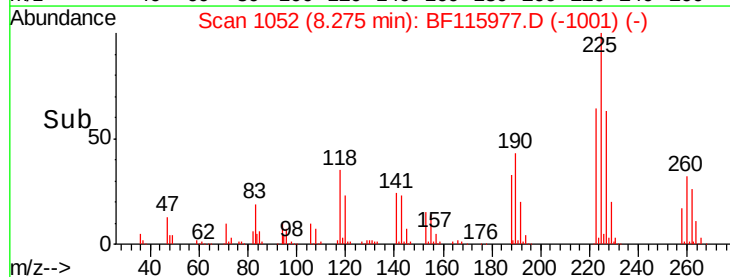


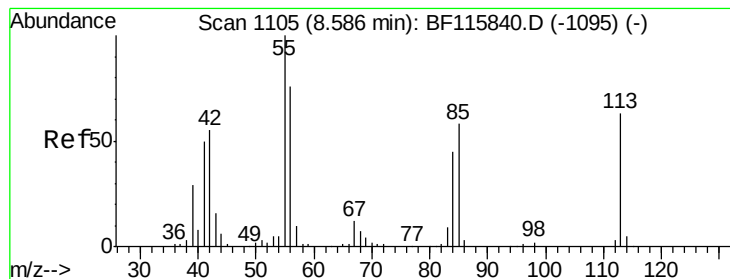
Abundance

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: 27.447 ng

RT: 8.59 min Scan# 1106

Delta R.T. 0.01 min

Lab File: BF115977.D

Acq: 3 Aug 2019 13:16

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL03-RC

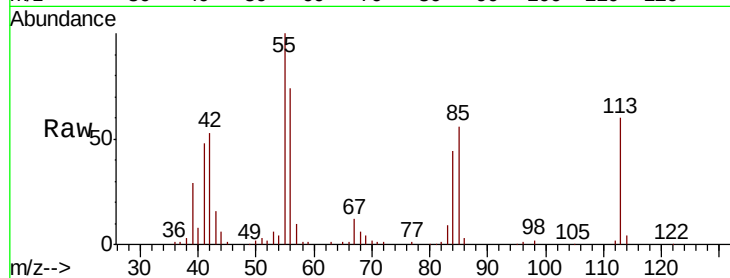
Tgt Ion:113 Resp: 73635

Ion Ratio Lower Upper

113 100

55 166.5 138.1 178.1

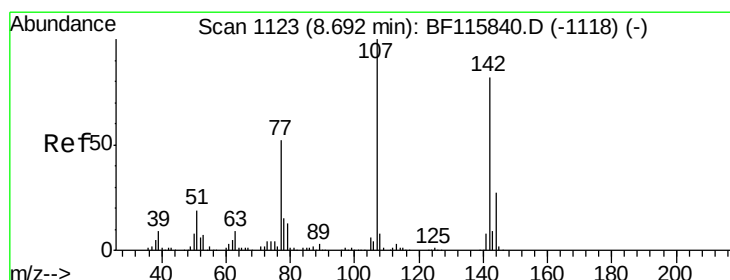
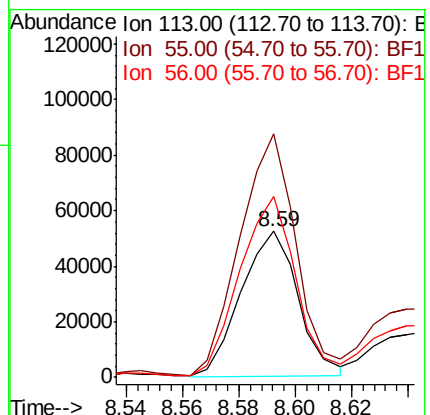
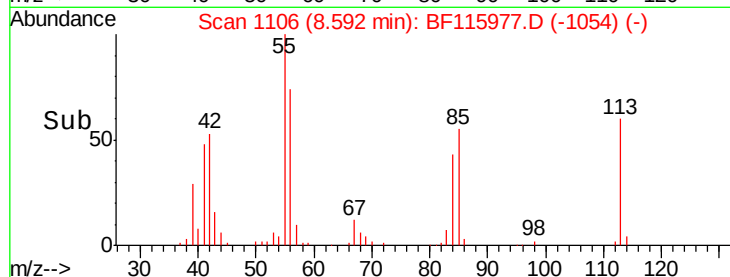
56 123.5 100.6 140.6



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: 50.220 ng

RT: 8.70 min Scan# 1124

Delta R.T. 0.01 min

Lab File: BF115977.D

Acq: 3 Aug 2019 13:16

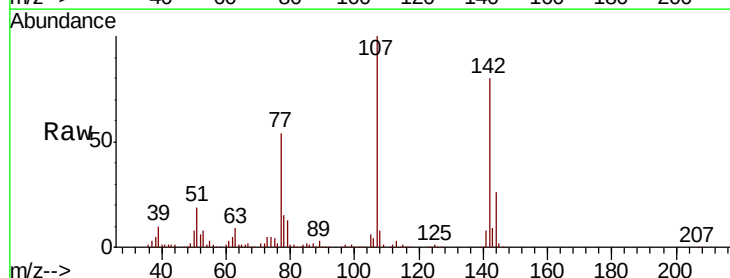
Tgt Ion:107 Resp: 433374

Ion Ratio Lower Upper

107 100

144 25.7 21.4 32.0

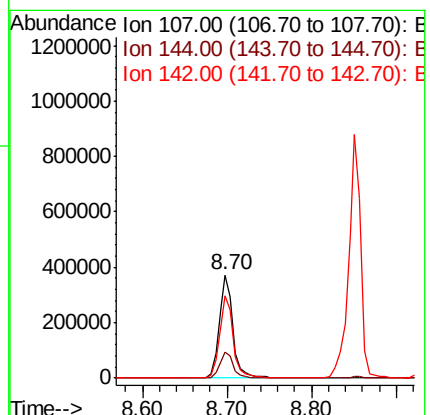
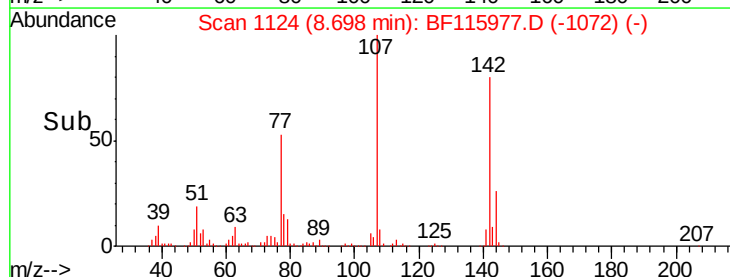
142 79.7 65.5 98.3

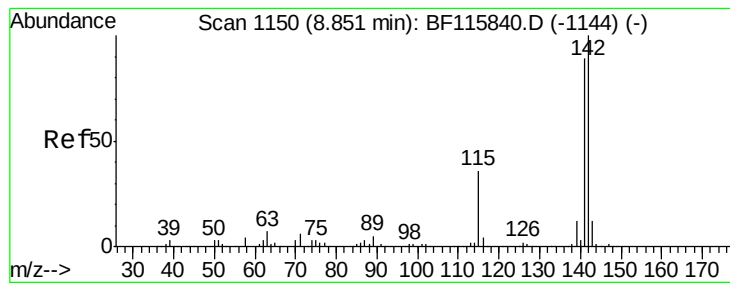


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 48.393 ng

RT: 8.85 min Scan# 1150

Delta R.T. 0.00 min

Lab File: BF115977.D

Acq: 3 Aug 2019 13:16

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL03-RC

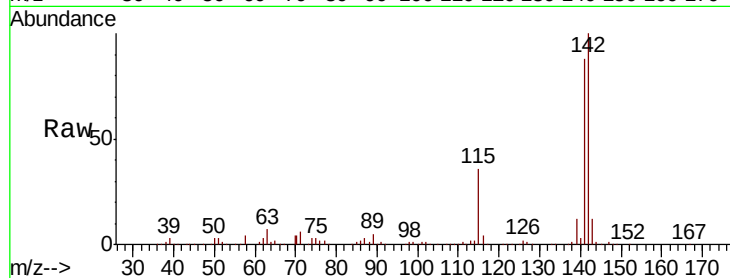
Tgt Ion:142 Resp: 888183

Ion Ratio Lower Upper

142 100

141 88.0 71.4 107.2

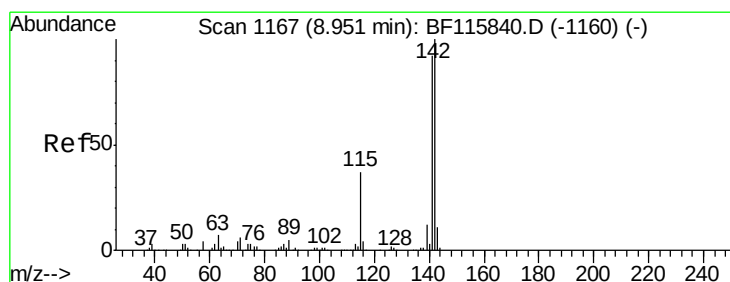
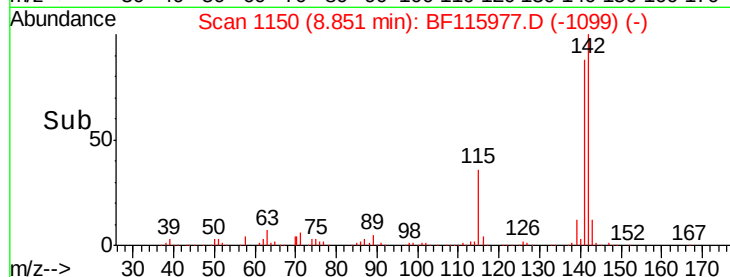
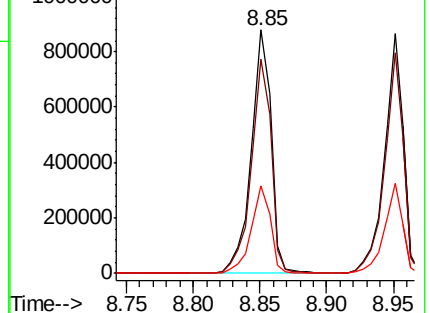
115 36.0 28.9 43.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 47.846 ng

RT: 8.95 min Scan# 1167

Delta R.T. 0.00 min

Lab File: BF115977.D

Acq: 3 Aug 2019 13:16

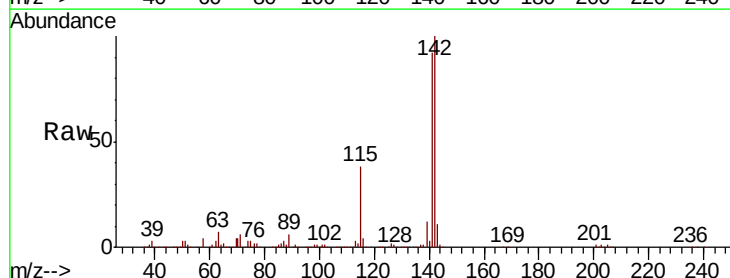
Tgt Ion:142 Resp: 830746

Ion Ratio Lower Upper

142 100

141 91.6 73.8 110.6

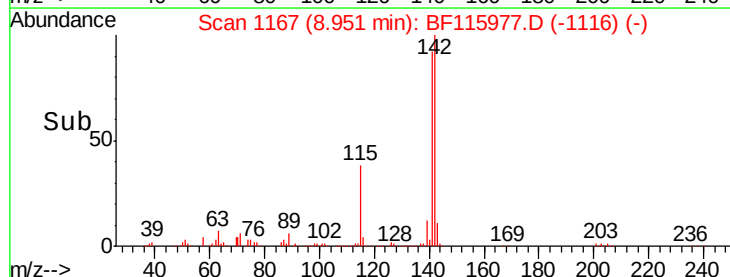
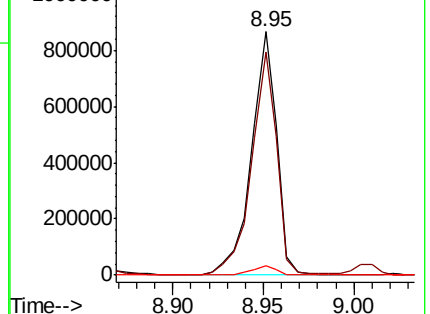
116 4.0 3.1 4.7

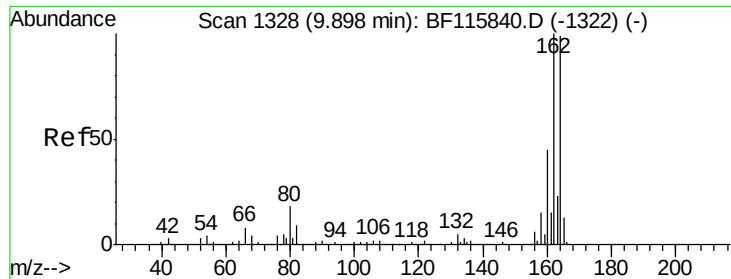


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

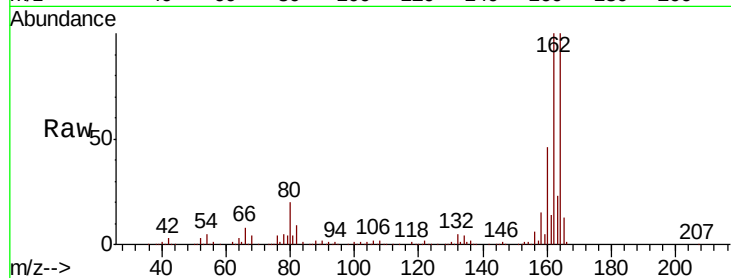




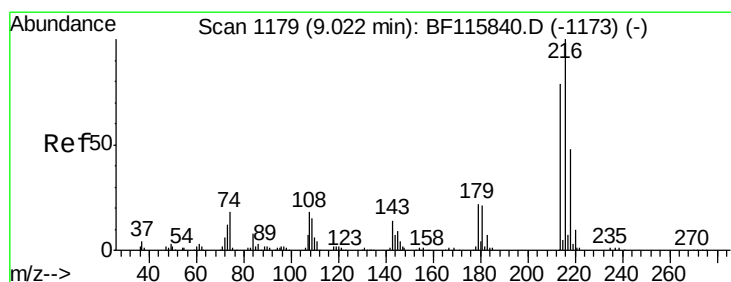
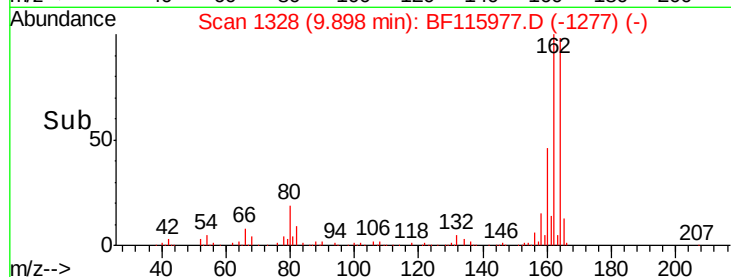
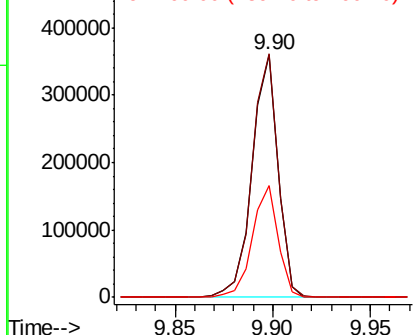
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: BF115977.D
 Acq: 3 Aug 2019 13:16

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL03-RC

Tgt Ion:	164	Resp:	331143
Ion	Ratio	Lower	Upper
164	100		
162	100.2	80.8	121.2
160	46.1	36.2	54.4

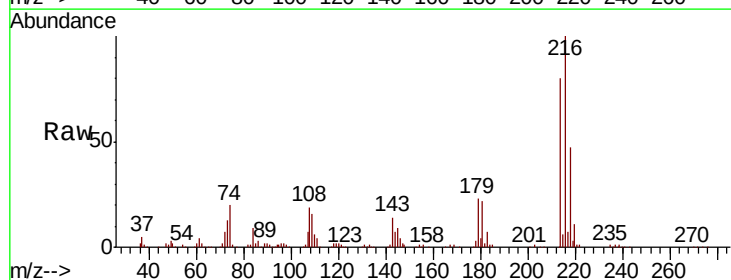


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

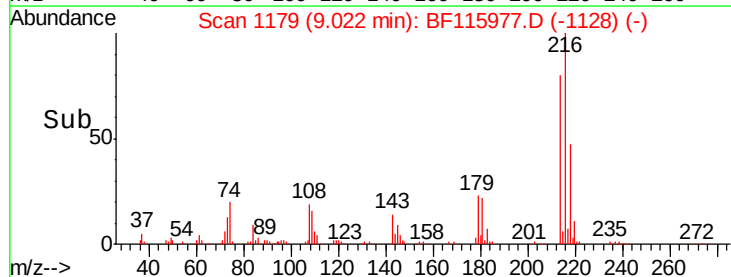
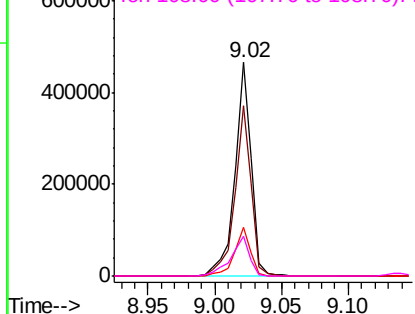


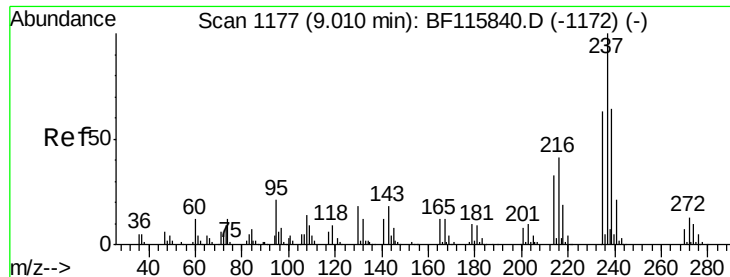
#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 45.111 ng
 RT: 9.02 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: BF115977.D
 Acq: 3 Aug 2019 13:16

Tgt Ion:	216	Resp:	399358
Ion	Ratio	Lower	Upper
216	100		
214	79.4	62.8	94.2
179	22.2	17.6	26.4
108	21.8	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

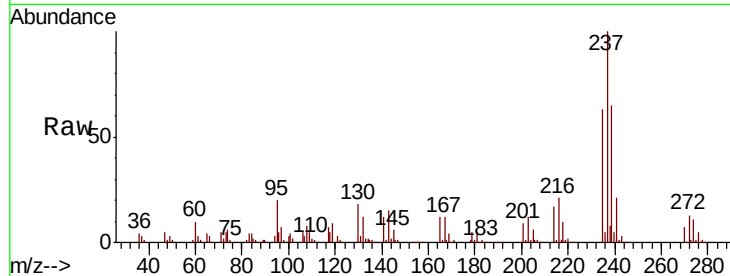




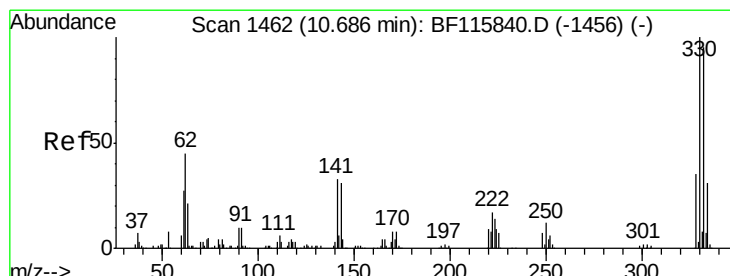
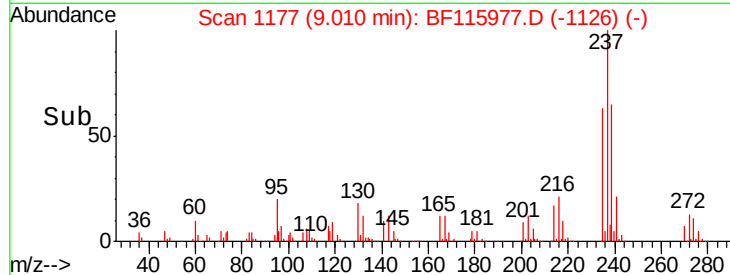
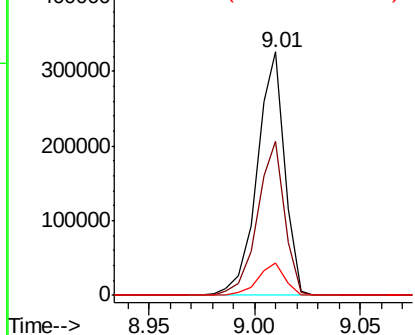
#41
Hexachlorocyclopentadiene
Concen: 74.730 ng
RT: 9.01 min Scan# 1177
Delta R.T. 0.00 min
Lab File: BF115977.D
Acq: 3 Aug 2019 13:16

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL03-RC

Tgt Ion:	237	Resp:	295322
Ion Ratio	Lower	Upper	
237	100		
235	63.1	42.5	82.5
272	13.2	0.0	33.3

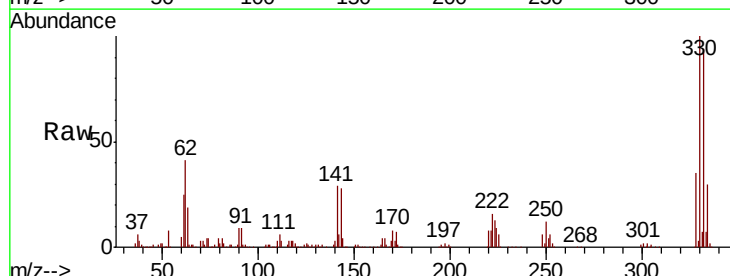


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

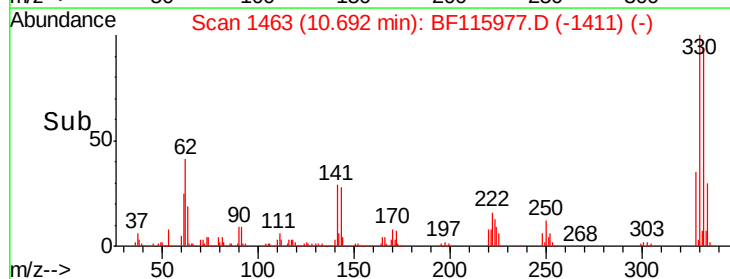
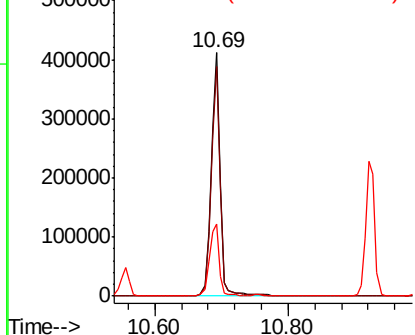


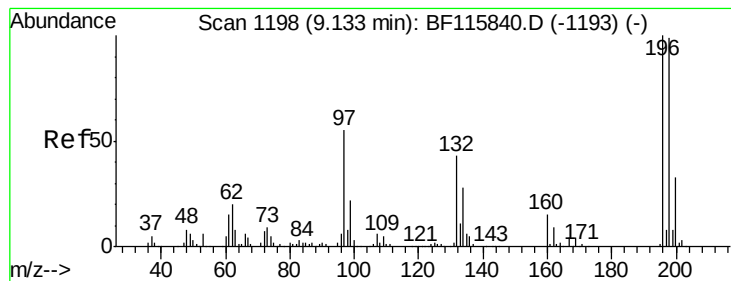
#42
2,4,6-Tribromophenol
Concen: 121.245 ng
RT: 10.69 min Scan# 1463
Delta R.T. 0.01 min
Lab File: BF115977.D
Acq: 3 Aug 2019 13:16

Tgt Ion:	330	Resp:	389261
Ion Ratio	Lower	Upper	
330	100		
332	95.0	77.7	116.5
141	32.3	28.1	42.1



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





#43

2,4,6-Trichlorophenol

Concen: 43.907 ng

RT: 9.14 min Scan# 1199

Delta R.T. 0.01 min

Lab File: BF115977.D

Acq: 3 Aug 2019 13:16

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL03-RC

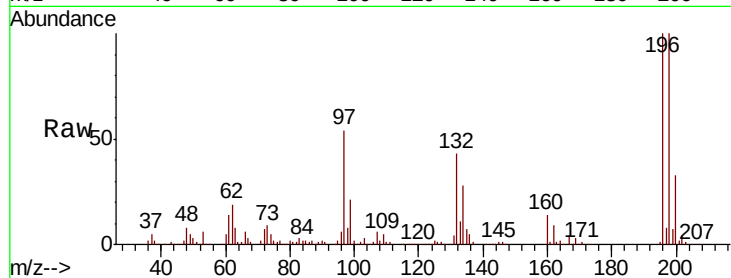
Tgt Ion:196 Resp: 267545

Ion Ratio Lower Upper

196 100

198 100.1 79.1 118.7

200 33.2 26.0 39.0

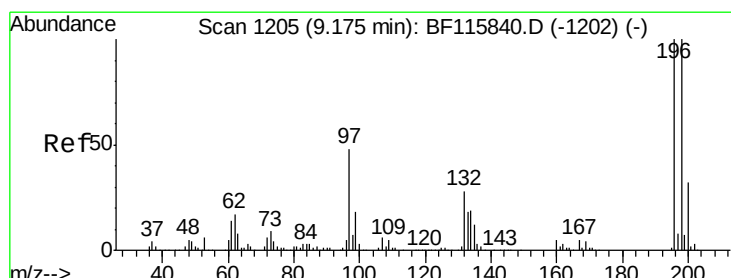
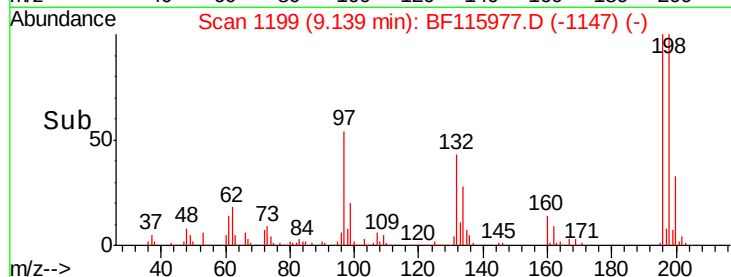
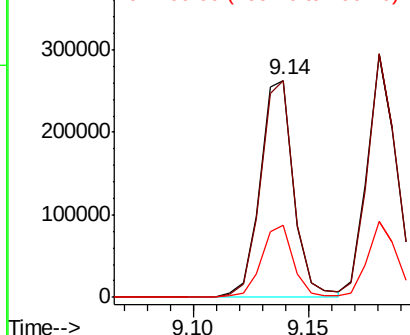


Abundance

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: 45.937 ng

RT: 9.18 min Scan# 1206

Delta R.T. 0.01 min

Lab File: BF115977.D

Acq: 3 Aug 2019 13:16

Tgt Ion:196 Resp: 289350

Ion Ratio Lower Upper

196 100

198 100.7 80.1 120.1

97 52.2 38.9 58.3

132 29.3 22.6 33.8

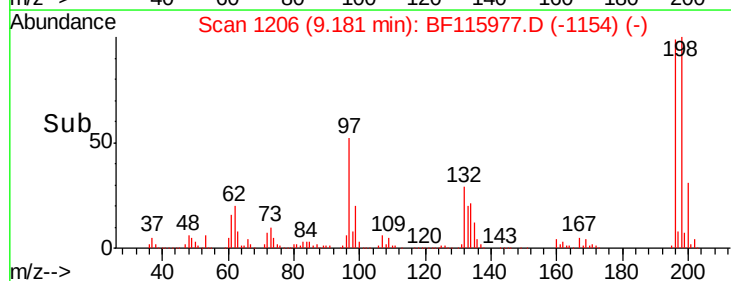
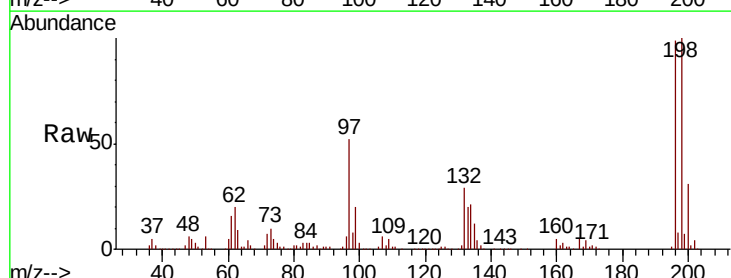
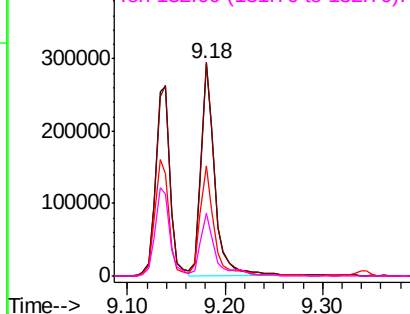
Abundance

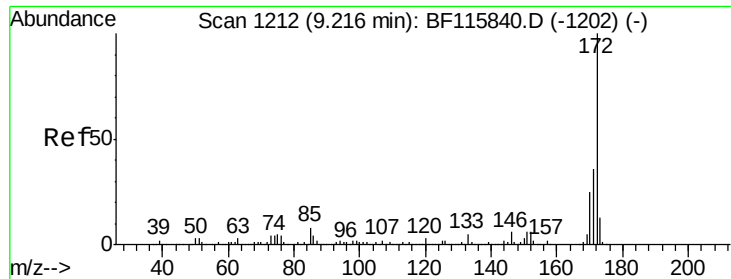
Ion 196.00 (195.70 to 196.70): E

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

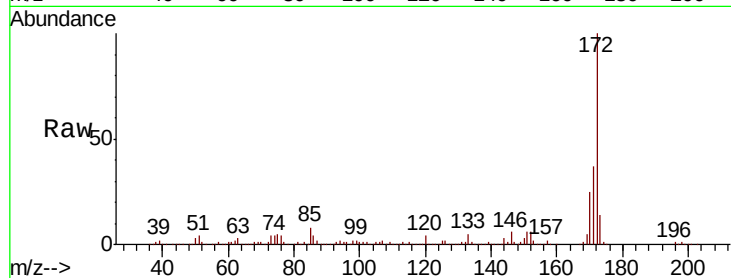




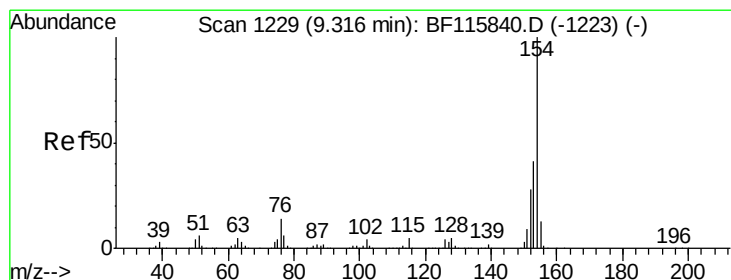
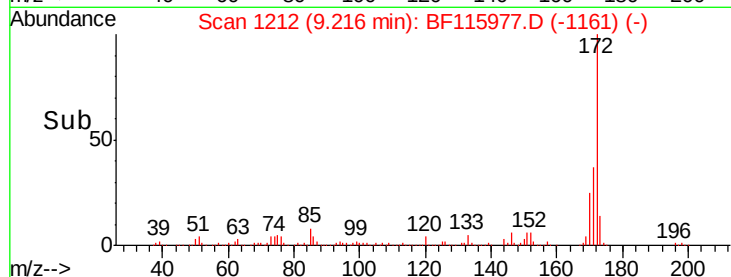
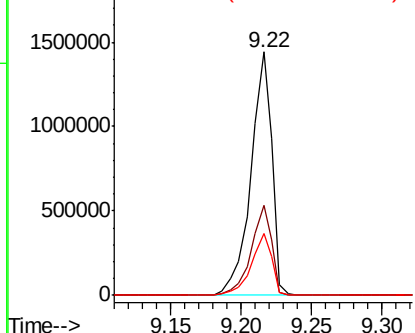
#45
2-Fluorobiphenyl
Concen: 85.207 ng
RT: 9.22 min Scan# 1212
Delta R.T. 0.00 min
Lab File: BF115977.D
Acq: 3 Aug 2019 13:16

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL03-RC

Tgt Ion:172 Resp: 1506387
Ion Ratio Lower Upper
172 100
171 36.7 29.1 43.7
170 25.2 20.1 30.1

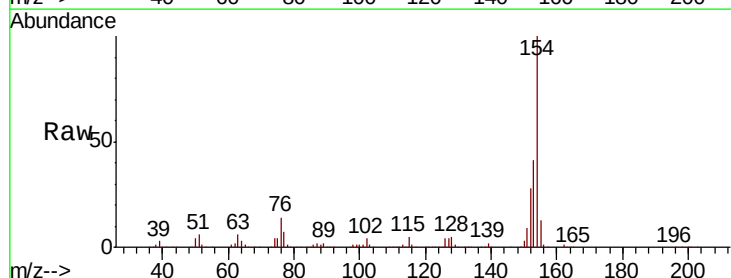


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

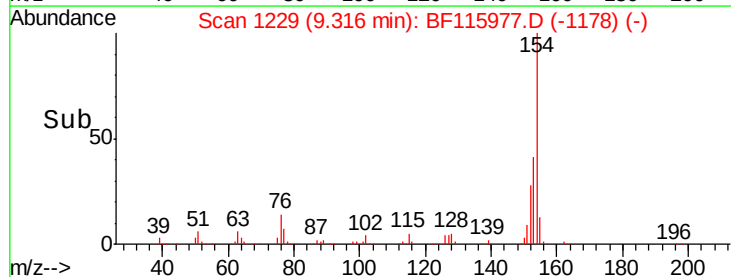
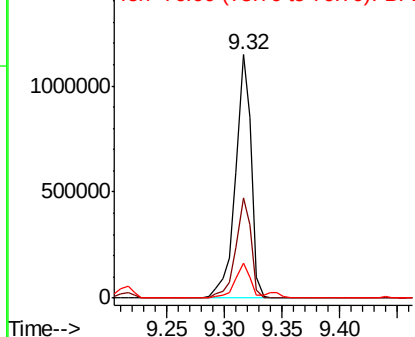


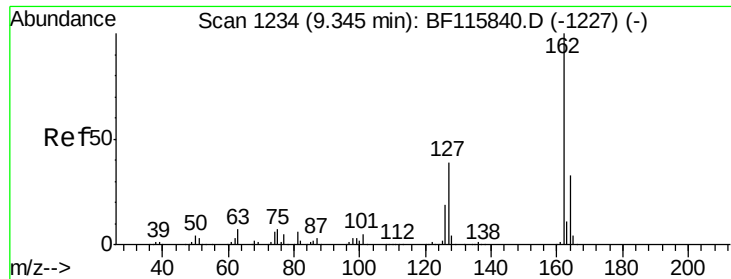
#46
1,1'-Biphenyl
Concen: 45.870 ng
RT: 9.32 min Scan# 1229
Delta R.T. 0.00 min
Lab File: BF115977.D
Acq: 3 Aug 2019 13:16

Tgt Ion:154 Resp: 1072373
Ion Ratio Lower Upper
154 100
153 41.0 20.9 60.9
76 14.4 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

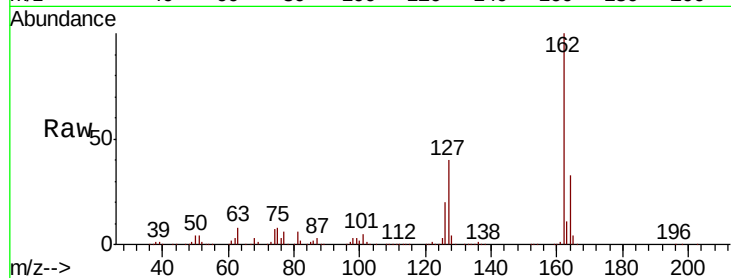




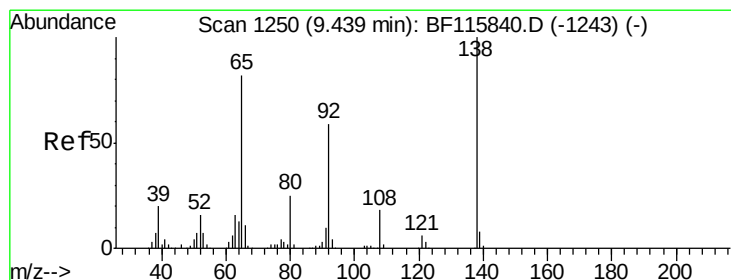
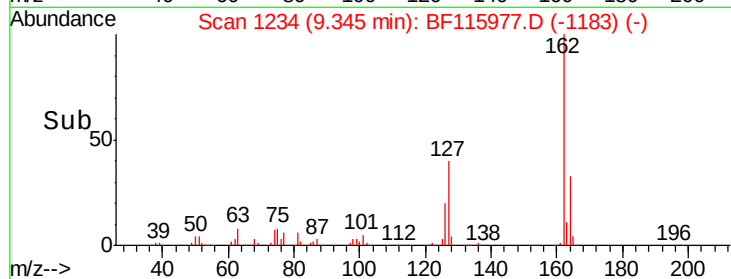
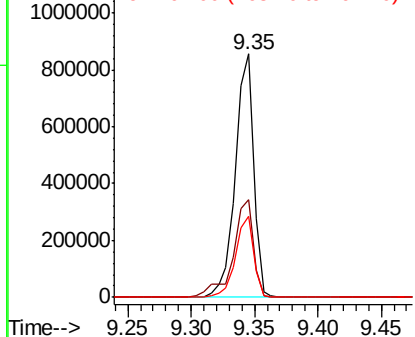
#47
 2-Chloronaphthalene
 Concen: 43.611 ng
 RT: 9.35 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: BF115977.D
 Acq: 3 Aug 2019 13:16

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL03-RC

Tgt Ion: 162 Resp: 848573
 Ion Ratio Lower Upper
 162 100
 127 40.2 31.3 46.9
 164 33.4 26.6 40.0

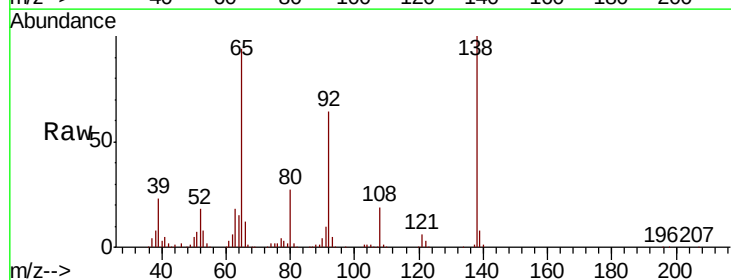


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

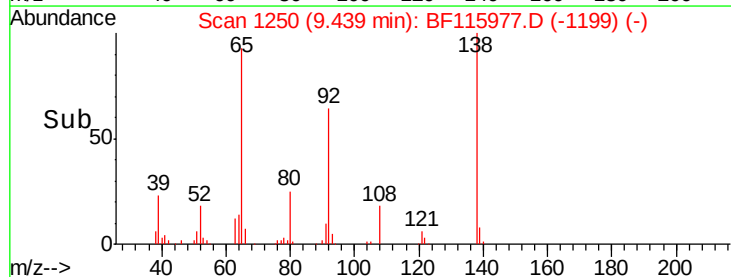
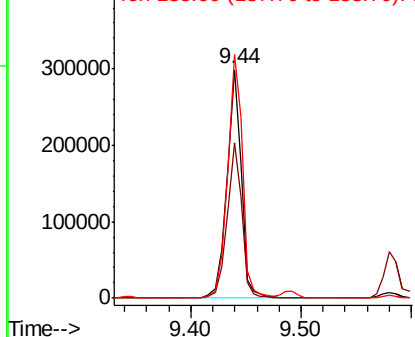


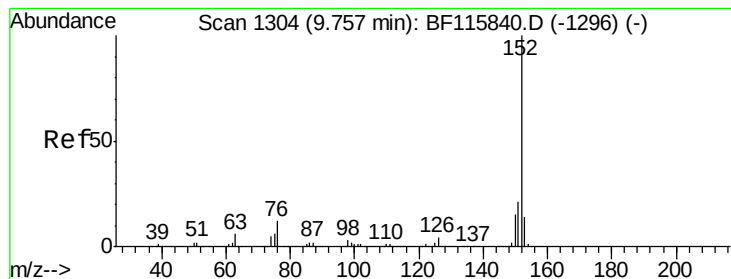
#48
 2-Nitroaniline
 Concen: 42.655 ng
 RT: 9.44 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: BF115977.D
 Acq: 3 Aug 2019 13:16

Tgt Ion: 65 Resp: 274337
 Ion Ratio Lower Upper
 65 100
 92 67.9 57.1 85.7
 138 106.5 97.1 145.7



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





#49

Acenaphthylene

Concen: 45.844 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.00 min

Lab File: BF115977.D

Acq: 3 Aug 2019 13:16

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL03-RC

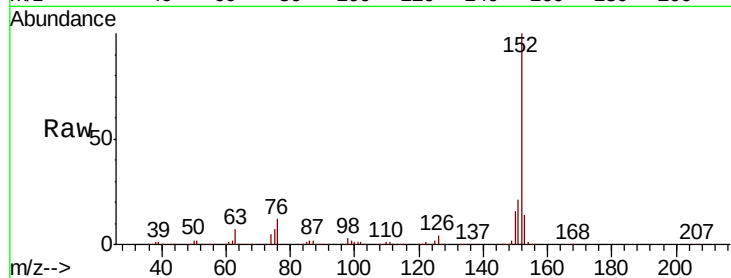
Tgt Ion:152 Resp: 1301391

Ion Ratio Lower Upper

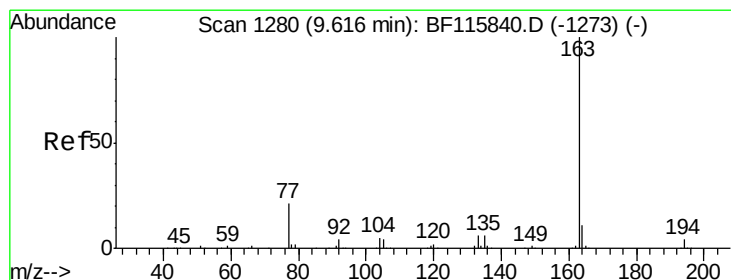
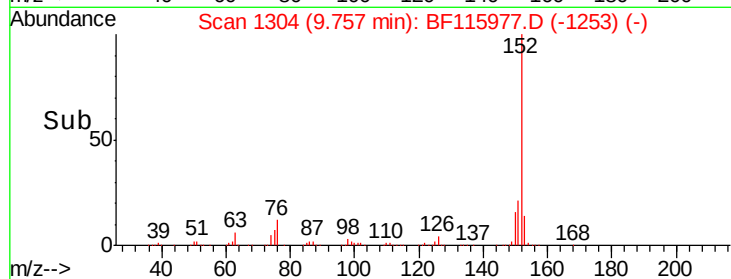
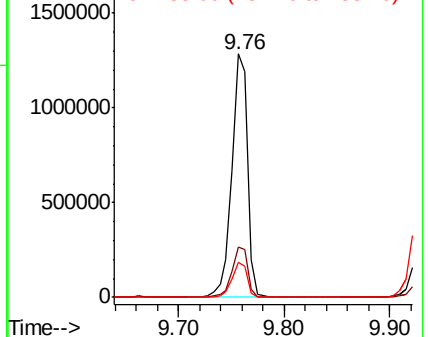
152 100

151 20.7 16.8 25.2

153 14.3 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: 45.609 ng

RT: 9.62 min Scan# 1281

Delta R.T. 0.01 min

Lab File: BF115977.D

Acq: 3 Aug 2019 13:16

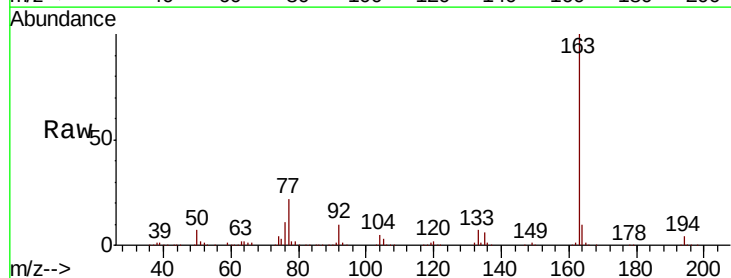
Tgt Ion:163 Resp: 1028341

Ion Ratio Lower Upper

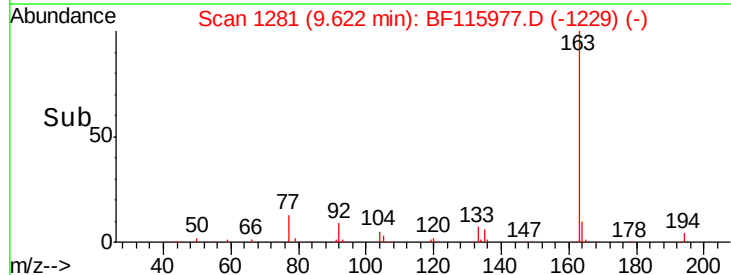
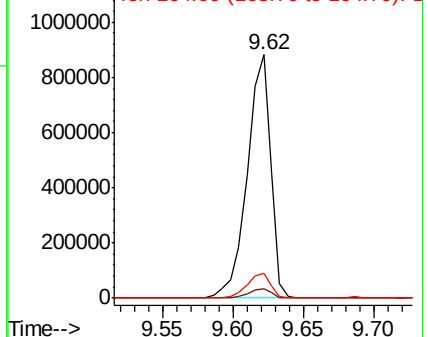
163 100

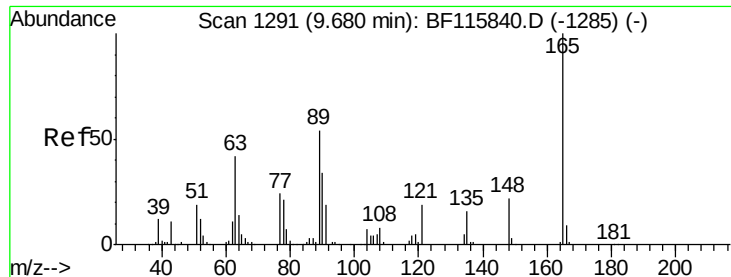
194 4.0 3.0 4.6

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

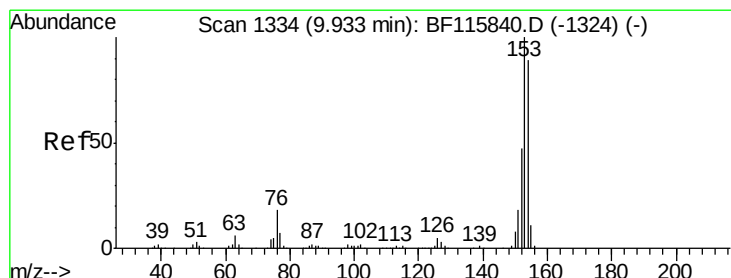
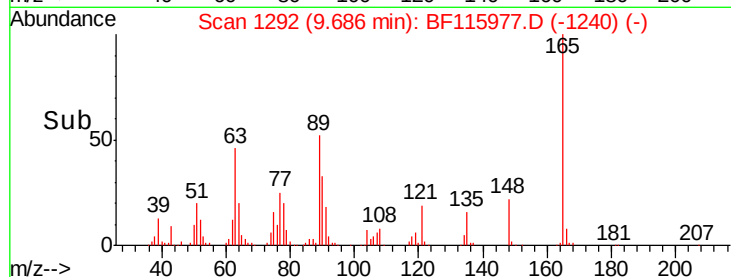
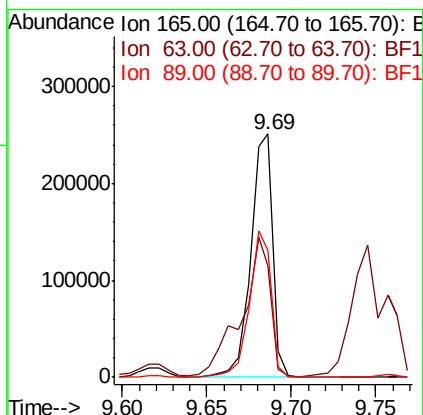
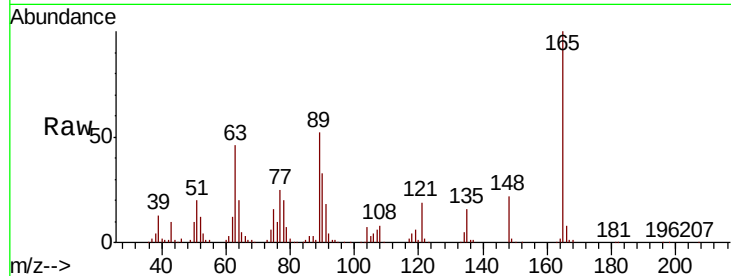




#51
 2,6-Dinitrotoluene
 Concen: 46.789 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: BF115977.D
 Acq: 3 Aug 2019 13:16

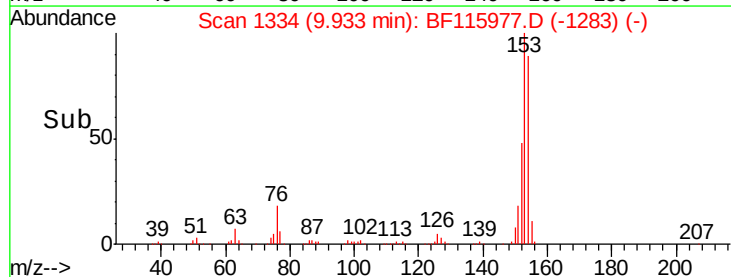
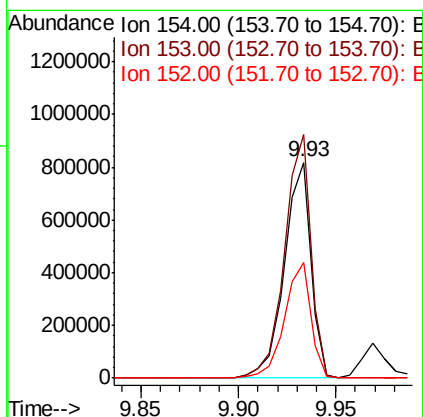
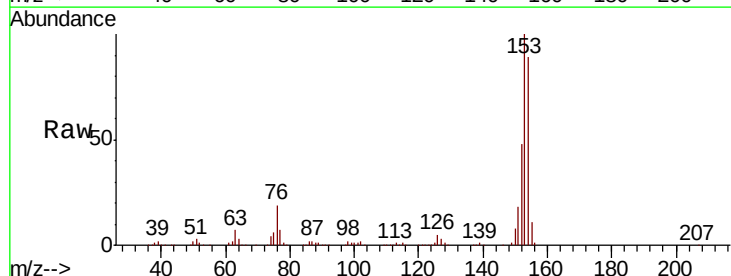
Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL03-RC

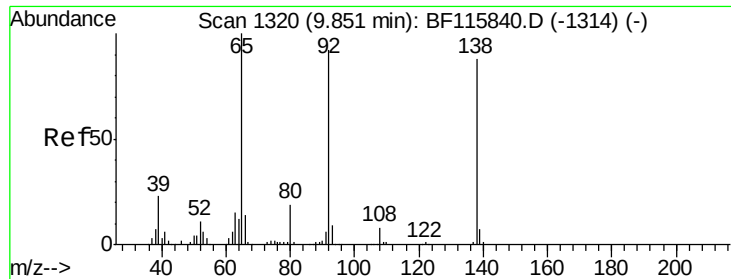
Tgt Ion	Ratio	Lower	Upper
165	100		
63	45.8	39.4	59.2
89	52.1	43.0	64.6



#52
 Acenaphthene
 Concen: 44.276 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: BF115977.D
 Acq: 3 Aug 2019 13:16

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.9	90.1	135.1
152	53.9	42.6	63.8

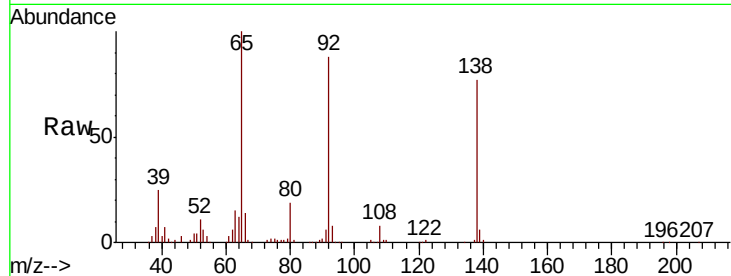




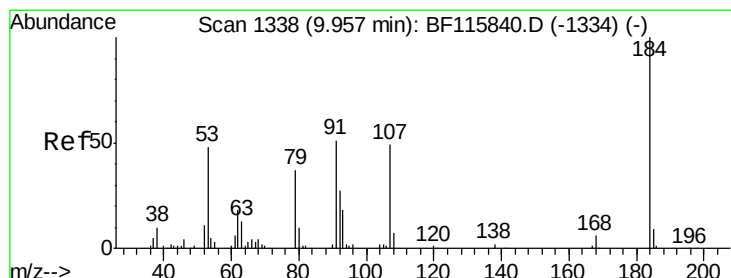
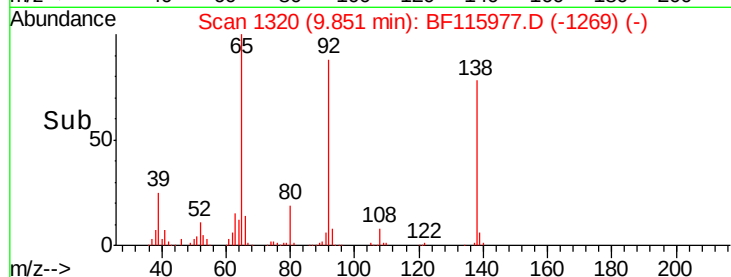
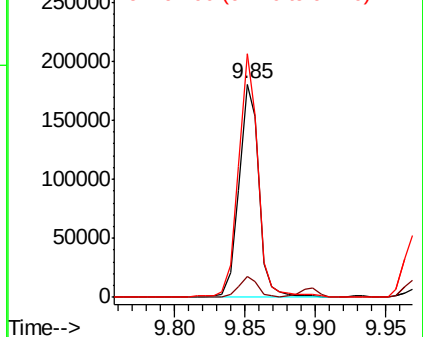
#53
3-Nitroaniline
Concen: 29.277 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.00 min
Lab File: BF115977.D
Acq: 3 Aug 2019 13:16

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL03-RC

Tgt Ion:138 Resp: 177256
Ion Ratio Lower Upper
138 100
108 9.9 7.4 11.2
92 114.1 83.9 125.9

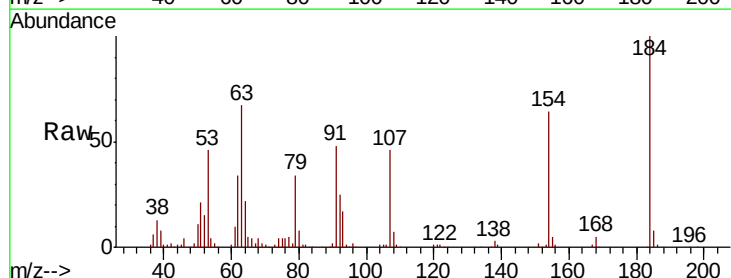


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

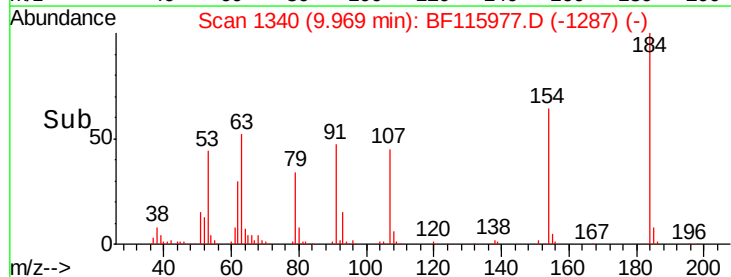
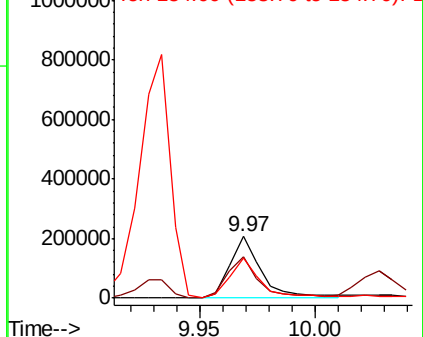


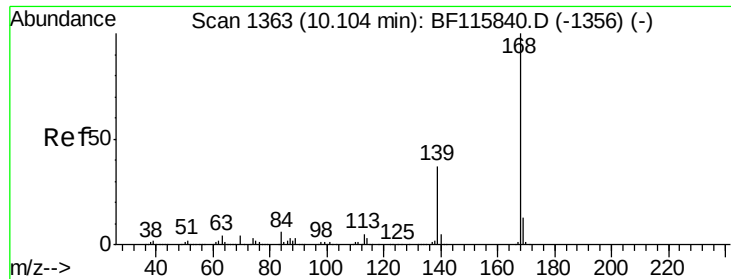
#54
2,4-Dinitrophenol
Concen: 79.008 ng
RT: 9.97 min Scan# 1340
Delta R.T. 0.01 min
Lab File: BF115977.D
Acq: 3 Aug 2019 13:16

Tgt Ion:184 Resp: 196633
Ion Ratio Lower Upper
184 100
63 67.3 56.7 85.1
154 64.0 51.9 77.9



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

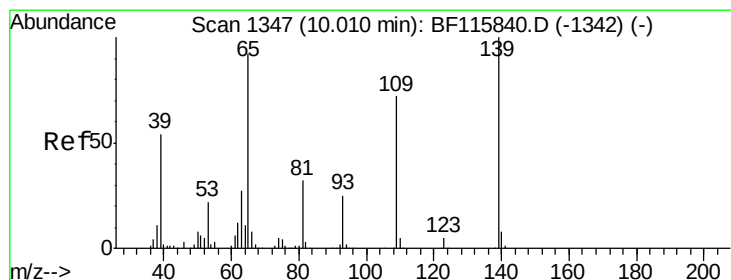
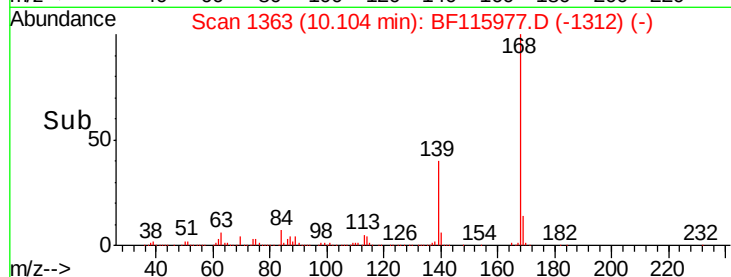
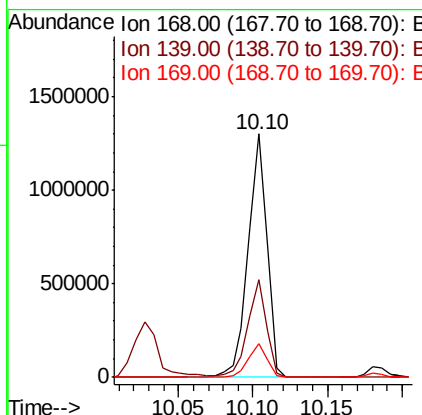
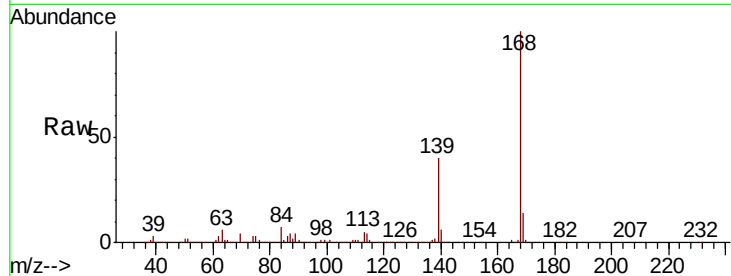




#55
Dibenzofuran
Concen: 44.822 ng
RT: 10.10 min Scan# 1363
Delta R.T. 0.00 min
Lab File: BF115977.D
Acq: 3 Aug 2019 13:16

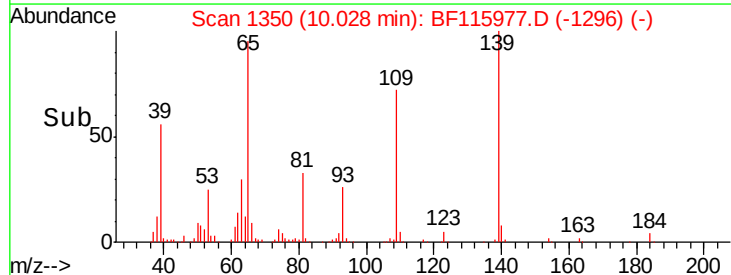
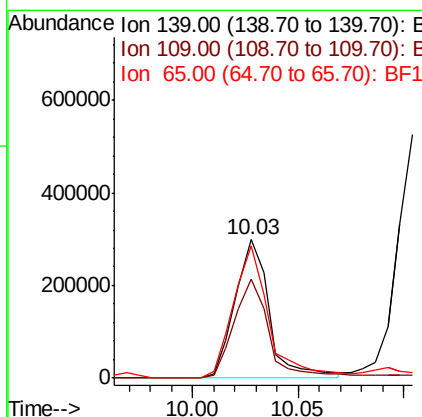
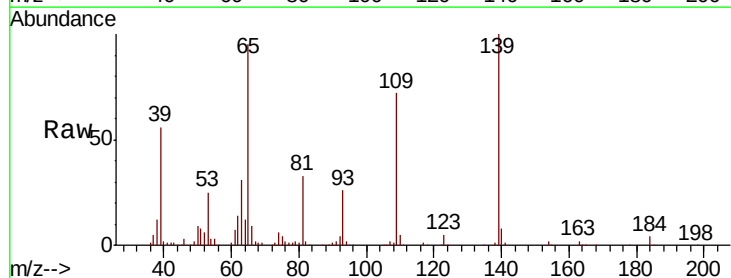
Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL03-RC

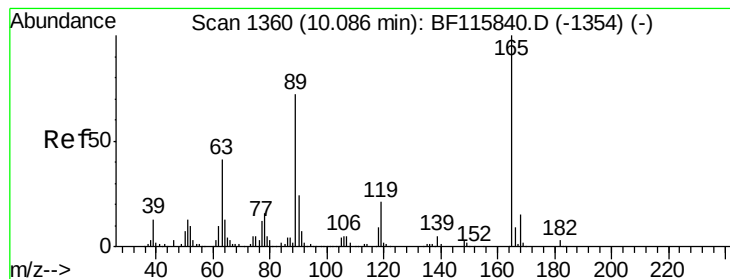
Tgt Ion:168 Resp: 1135157
Ion Ratio Lower Upper
168 100
139 40.4 30.2 45.2
169 14.1 10.8 16.2



#56
4-Nitrophenol
Concen: 87.196 ng
RT: 10.03 min Scan# 1350
Delta R.T. 0.02 min
Lab File: BF115977.D
Acq: 3 Aug 2019 13:16

Tgt Ion:139 Resp: 338185
Ion Ratio Lower Upper
139 100
109 71.6 52.0 92.0
65 95.2 72.6 112.6





#57

2,4-Dinitrotoluene

Concen: 45.267 ng

RT: 10.09 min Scan# 1361

Delta R.T. 0.01 min

Lab File: BF115977.D

Acq: 3 Aug 2019 13:16

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL03-RC

Tgt Ion:165 Resp: 295311

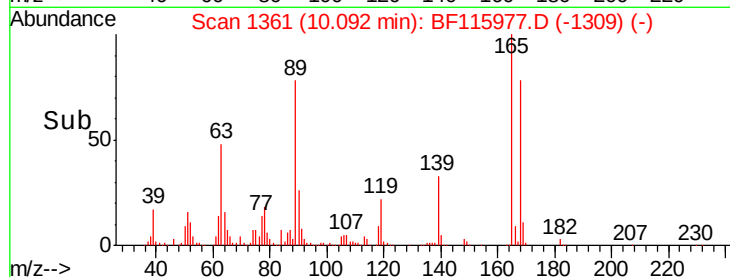
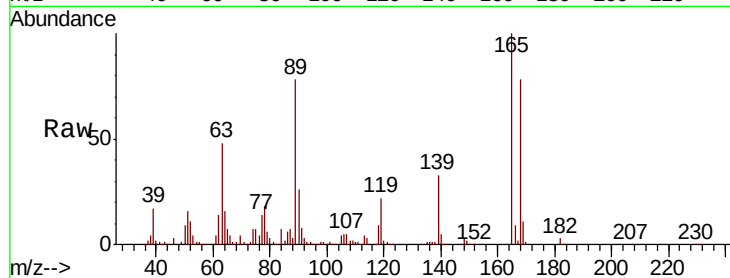
Ion Ratio Lower Upper

165 100

63 47.9 33.2 49.8

89 78.2 57.3 85.9

182 2.7 2.1 3.1

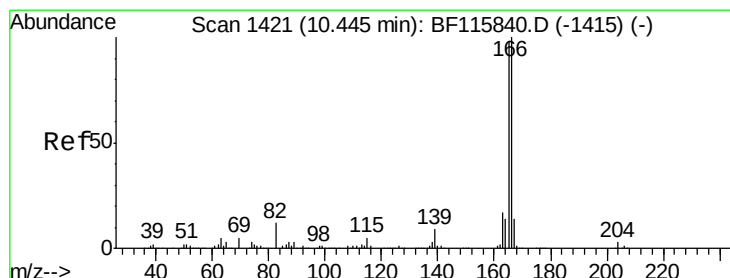
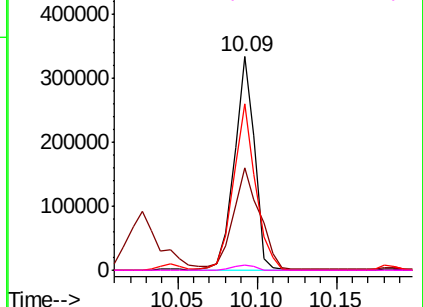


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 45.911 ng

RT: 10.45 min Scan# 1421

Delta R.T. 0.00 min

Lab File: BF115977.D

Acq: 3 Aug 2019 13:16

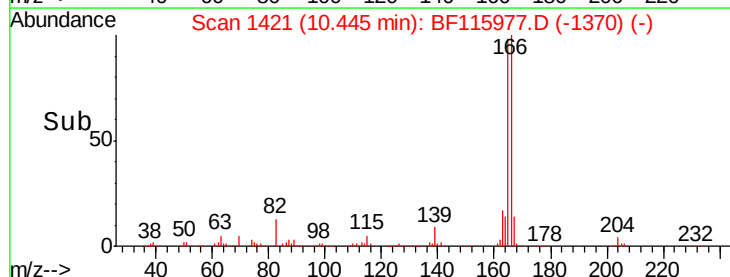
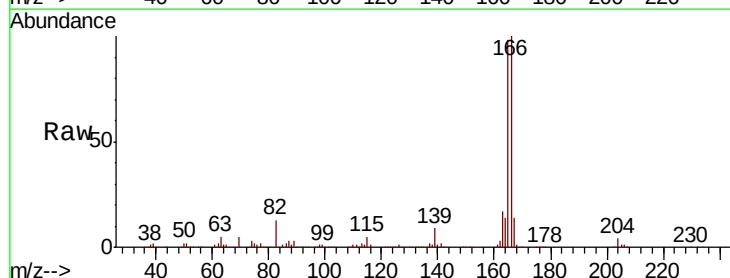
Tgt Ion:166 Resp: 894594

Ion Ratio Lower Upper

166 100

165 98.2 78.6 118.0

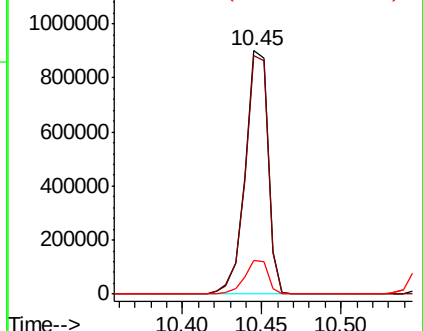
167 13.9 10.9 16.3

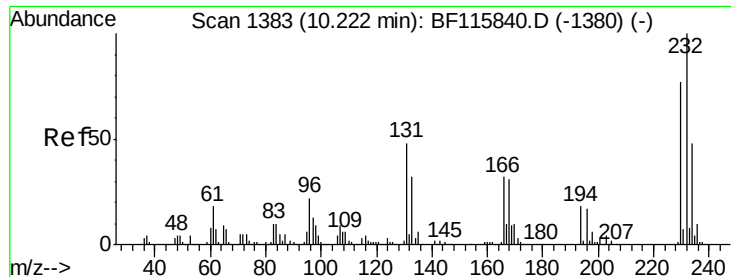


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

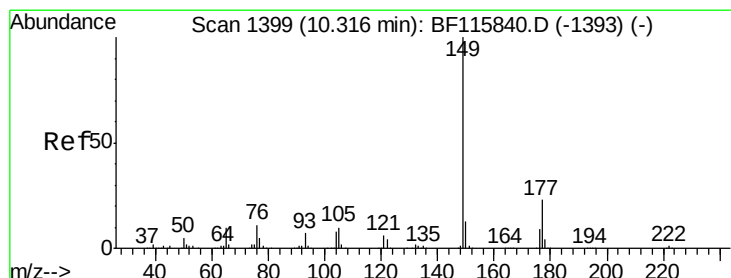
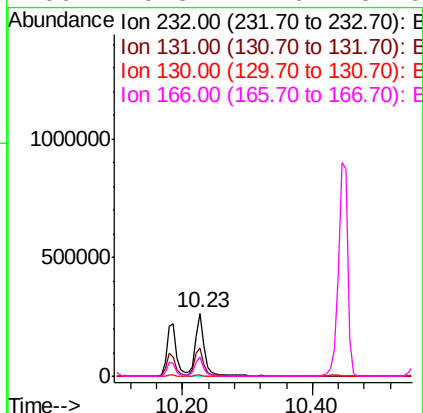
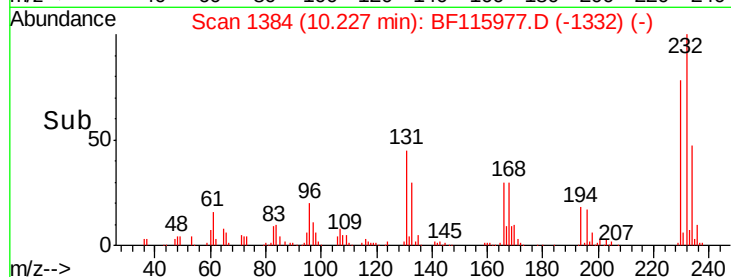
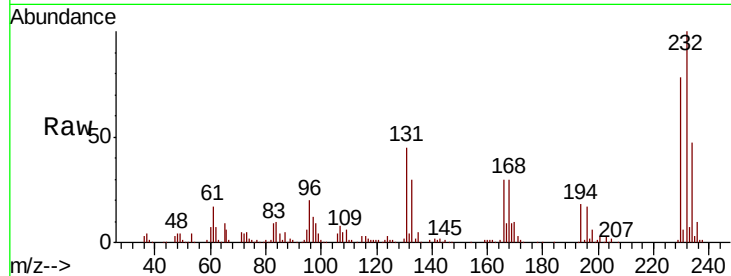




#59
2,3,4,6-Tetrachlorophenol
Concen: 47.616 ng
RT: 10.23 min Scan# 1384
Delta R.T. 0.01 min
Lab File: BF115977.D
Acq: 3 Aug 2019 13:16

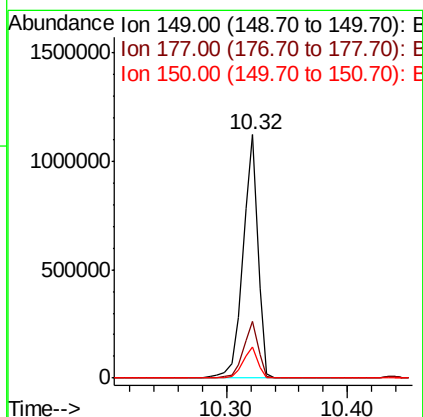
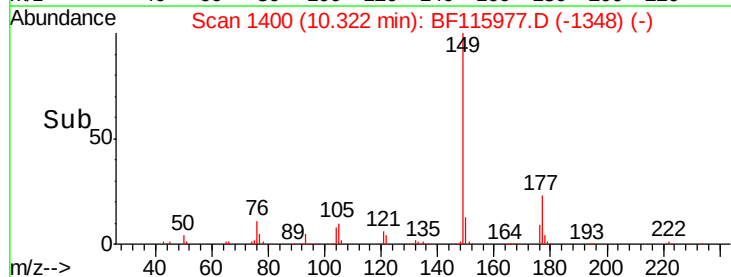
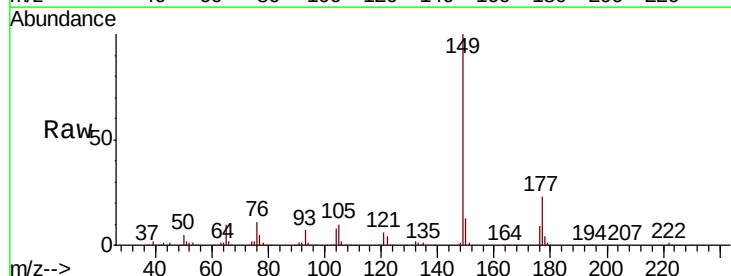
Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL03-RC

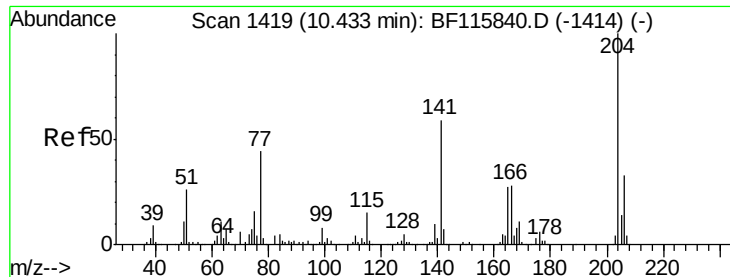
Tgt Ion	Ratio	Lower	Upper
232	100		
131	44.9	37.6	56.4
130	2.4	1.8	2.8
166	29.3	24.6	37.0



#60
Diethylphthalate
Concen: 45.994 ng
RT: 10.32 min Scan# 1400
Delta R.T. 0.01 min
Lab File: BF115977.D
Acq: 3 Aug 2019 13:16

Tgt Ion	Ratio	Lower	Upper
149	100		
177	23.4	18.4	27.6
150	12.8	10.1	15.1

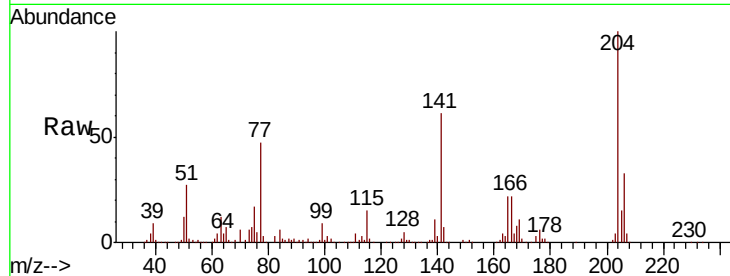




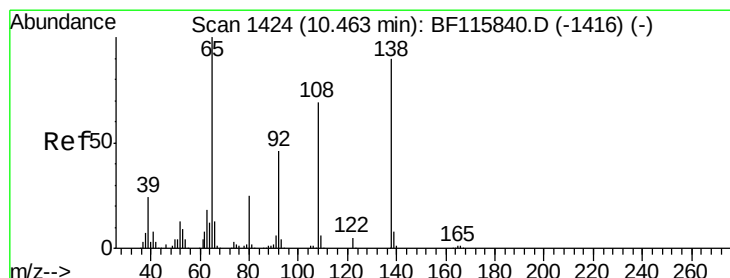
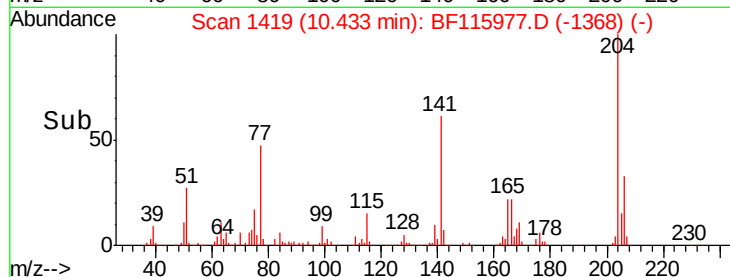
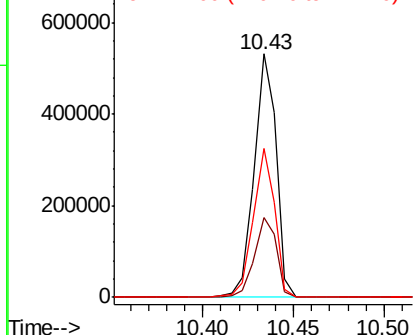
#61
 4-Chlorophenyl-phenylether
 Concen: 45.477 ng
 RT: 10.43 min Scan# 1419
 Delta R.T. 0.00 min
 Lab File: BF115977.D
 Acq: 3 Aug 2019 13:16

Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL03-RC

Tgt Ion:204 Resp: 448782
 Ion Ratio Lower Upper
 204 100
 206 32.7 26.4 39.6
 141 61.3 47.0 70.4

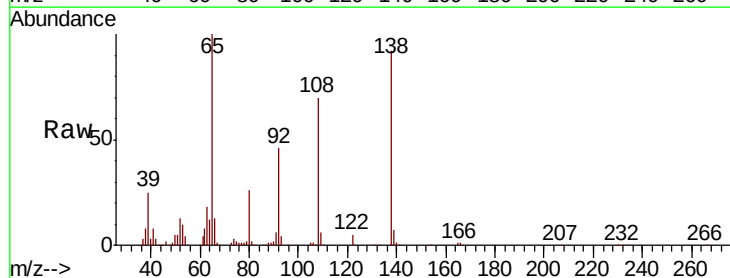


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

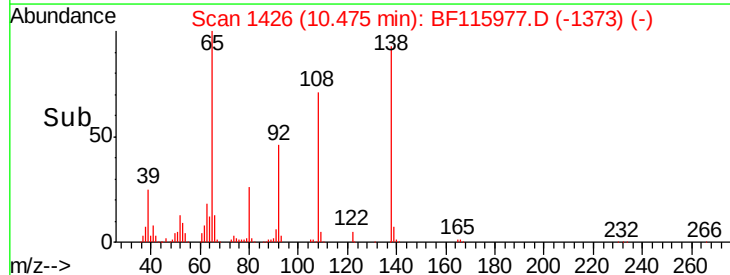
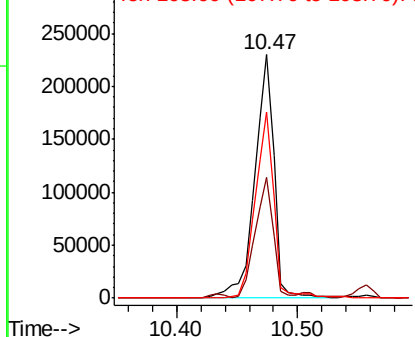


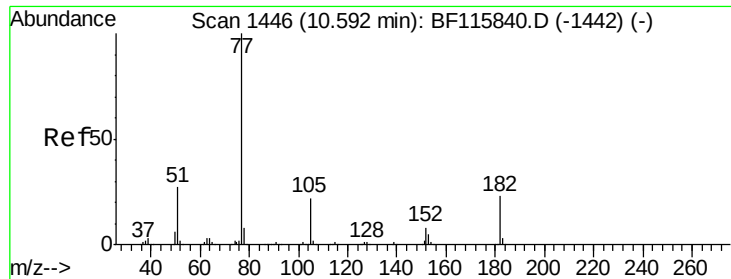
#62
 4-Nitroaniline
 Concen: 41.355 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. 0.01 min
 Lab File: BF115977.D
 Acq: 3 Aug 2019 13:16

Tgt Ion:138 Resp: 258757
 Ion Ratio Lower Upper
 138 100
 92 49.5 31.0 71.0
 108 76.3 56.7 96.7



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

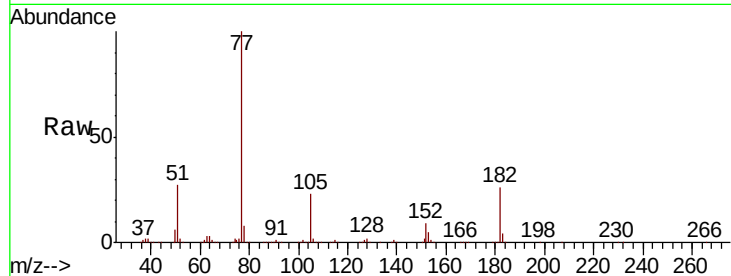




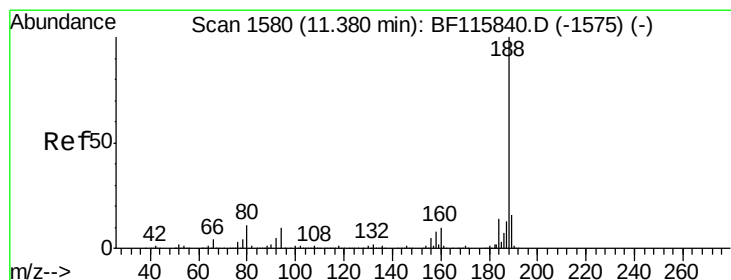
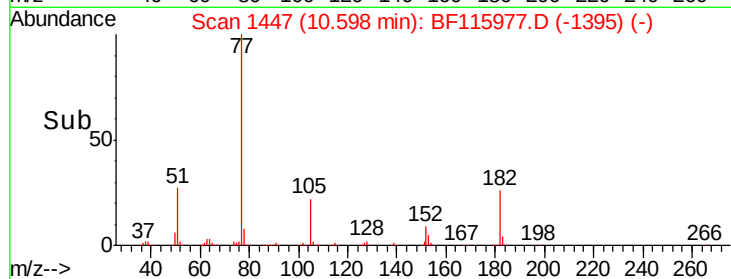
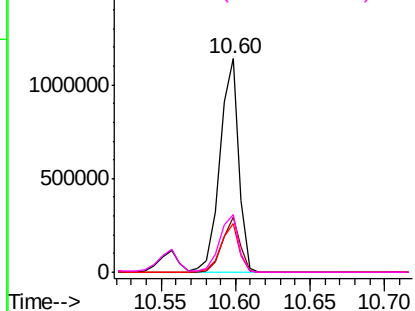
#63
Azobenzene
Concen: 46.423 ng
RT: 10.60 min Scan# 1447
Delta R.T. 0.01 min
Lab File: BF115977.D
Acq: 3 Aug 2019 13:16

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL03-RC

Tgt Ion: 77 Resp: 1005148
Ion Ratio Lower Upper
77 100
182 25.8 2.6 42.6
105 22.5 1.6 41.6
51 26.8 7.4 47.4

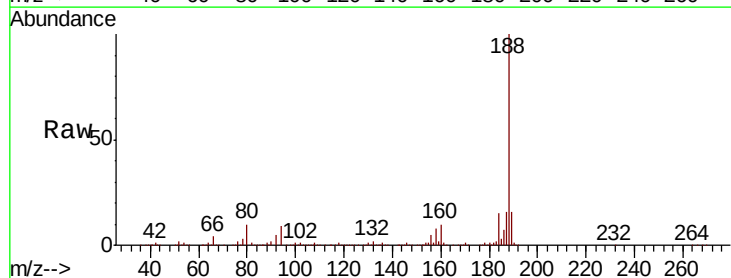


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

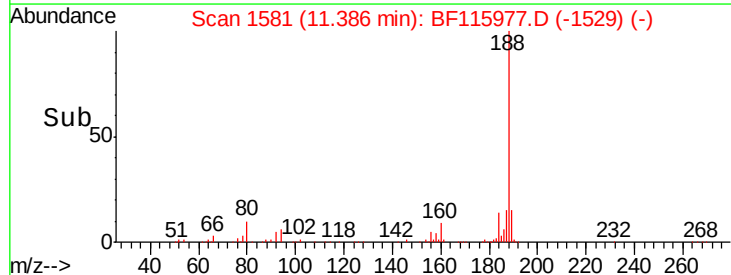
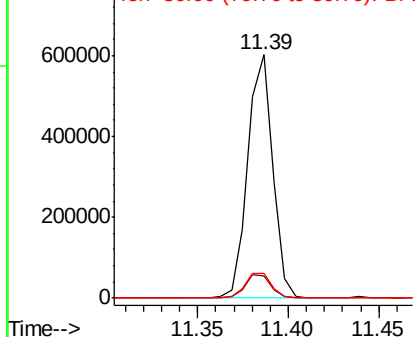


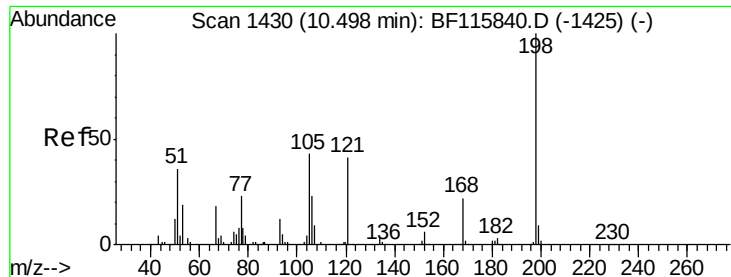
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.01 min
Lab File: BF115977.D
Acq: 3 Aug 2019 13:16

Tgt Ion: 188 Resp: 577762
Ion Ratio Lower Upper
188 100
94 9.2 8.0 12.0
80 10.0 8.6 12.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 48.088 ng

RT: 10.51 min Scan# 1432

Delta R.T. 0.01 min

Lab File: BF115977.D

Acq: 3 Aug 2019 13:16

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL03-RC

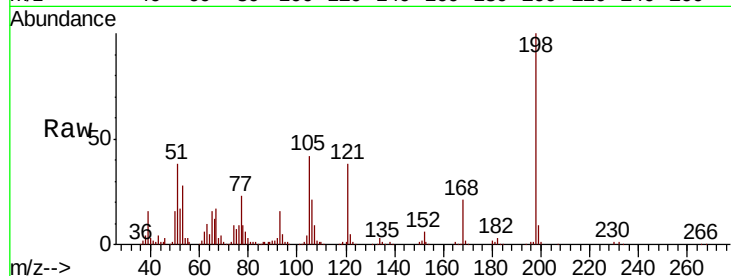
Tgt Ion:198 Resp: 147233

Ion Ratio Lower Upper

198 100

51 38.0 21.1 61.1

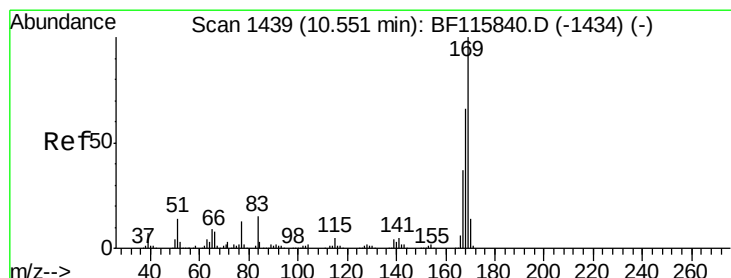
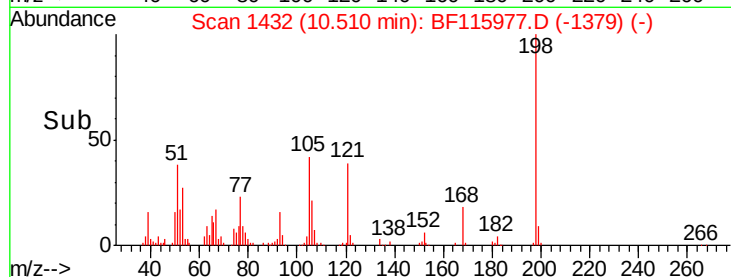
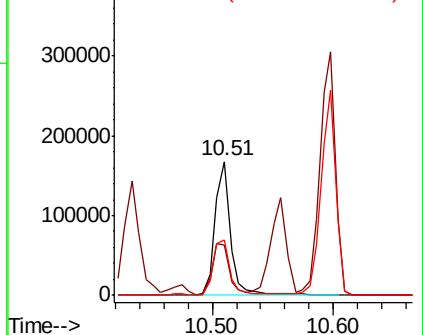
105 41.8 24.5 64.5



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 46.740 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.01 min

Lab File: BF115977.D

Acq: 3 Aug 2019 13:16

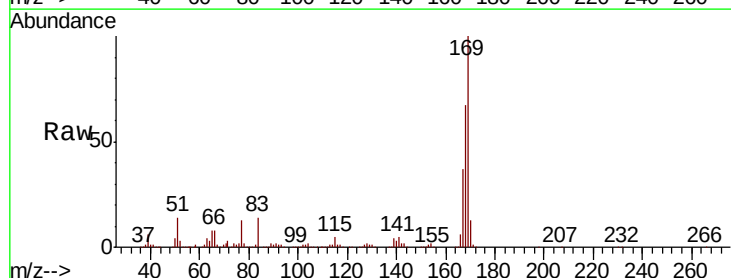
Tgt Ion:169 Resp: 812803

Ion Ratio Lower Upper

169 100

168 67.4 53.0 79.6

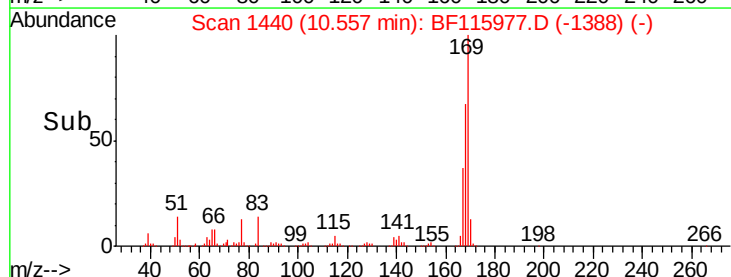
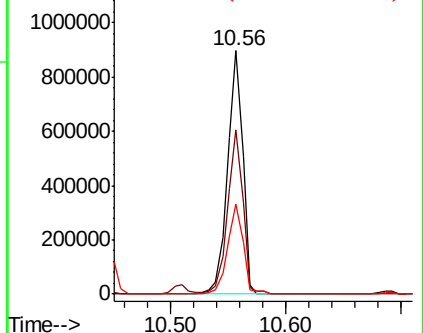
167 37.2 29.9 44.9

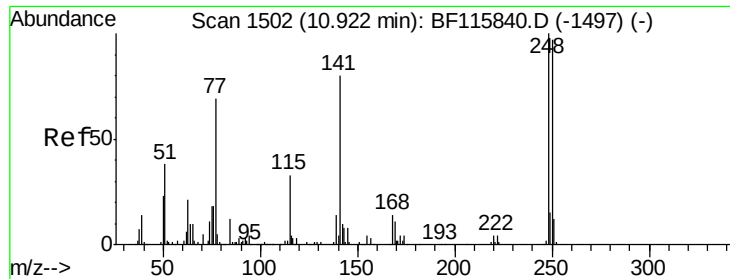


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

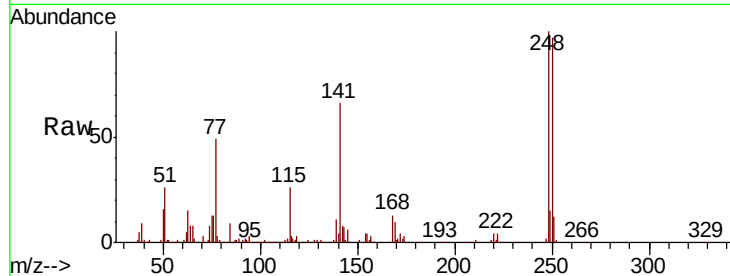




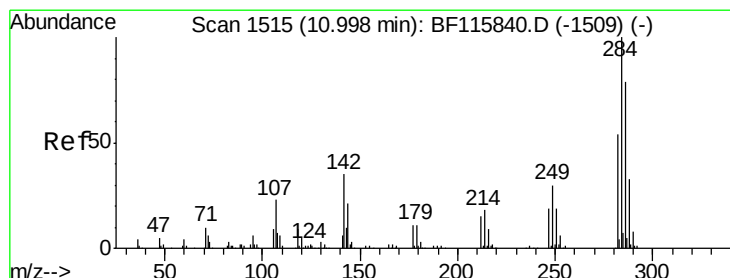
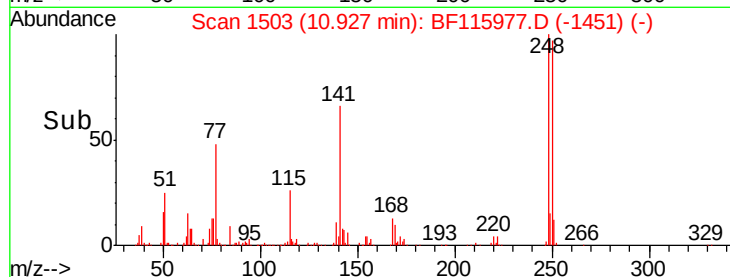
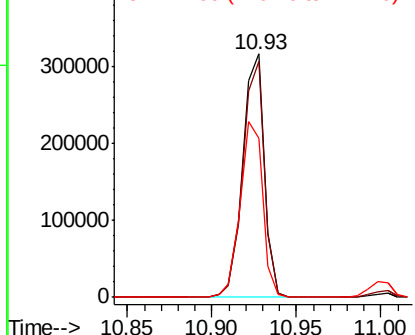
#67
4-Bromophenyl-phenylether
Concen: 46.045 ng
RT: 10.93 min Scan# 1503
Delta R.T. 0.01 min
Lab File: BF115977.D
Acq: 3 Aug 2019 13:16

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL03-RC

Tgt Ion:248 Resp: 284786
Ion Ratio Lower Upper
248 100
250 96.9 77.8 116.6
141 65.5 64.3 96.5

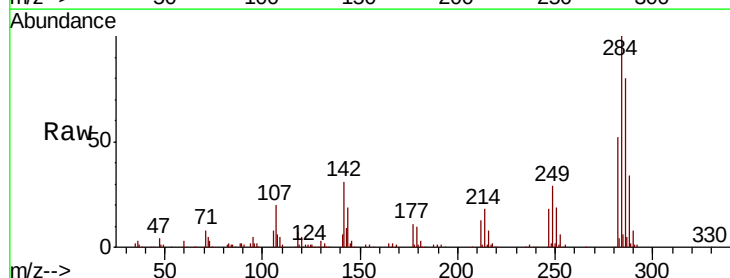


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

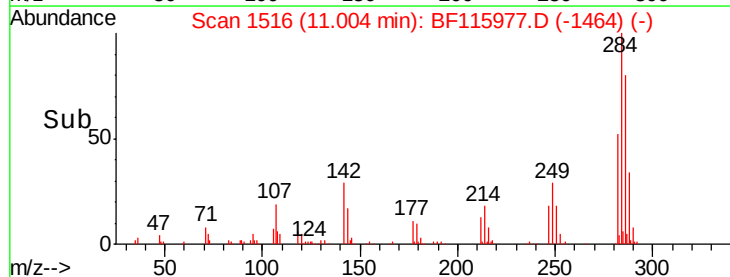
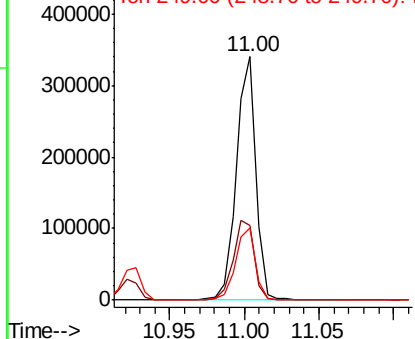


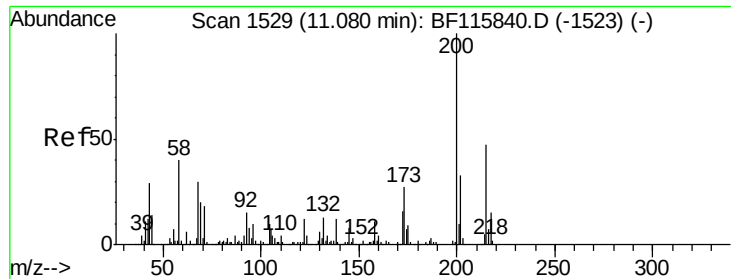
#68
Hexachlorobenzene
Concen: 43.558 ng
RT: 11.00 min Scan# 1516
Delta R.T. 0.01 min
Lab File: BF115977.D
Acq: 3 Aug 2019 13:16

Tgt Ion:284 Resp: 311520
Ion Ratio Lower Upper
284 100
142 30.8 28.2 42.2
249 29.4 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

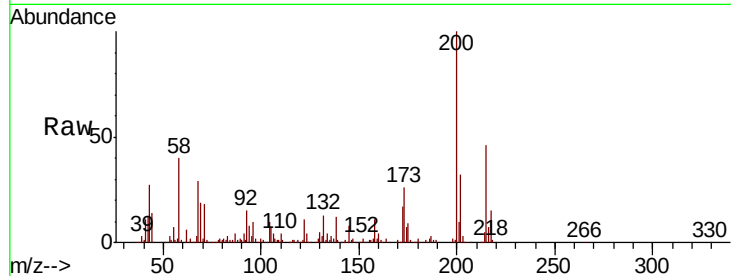




#69
Atrazine
Concen: 46.621 ng
RT: 11.09 min Scan# 1530
Delta R.T. 0.01 min
Lab File: BF115977.D
Acq: 3 Aug 2019 13:16

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL03-RC

Tgt Ion	Ratio	Lower	Upper
200	100		
173	26.5	7.3	47.3
215	46.1	26.9	66.9

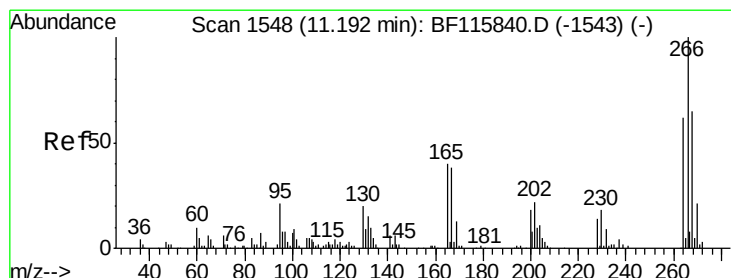
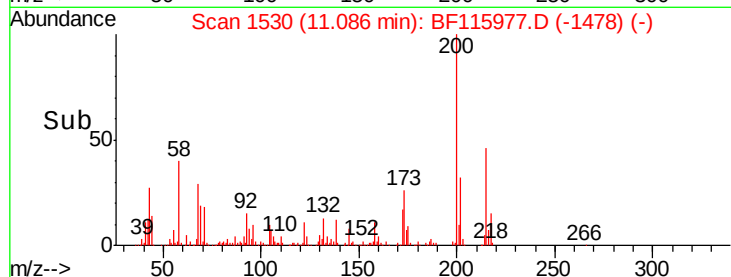
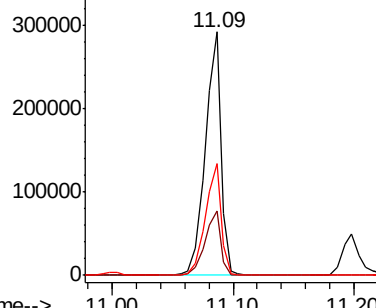


Abundance

Ion 200.00 (199.70 to 200.70): E

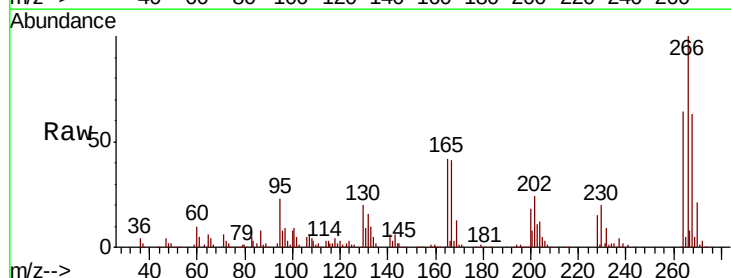
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 87.360 ng
RT: 11.20 min Scan# 1549
Delta R.T. 0.01 min
Lab File: BF115977.D
Acq: 3 Aug 2019 13:16

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.4	51.6	77.4
264	63.8	49.4	74.0

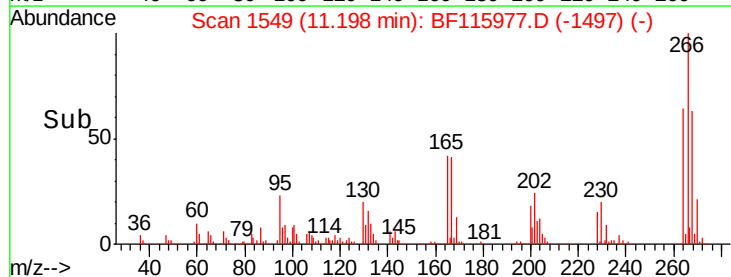
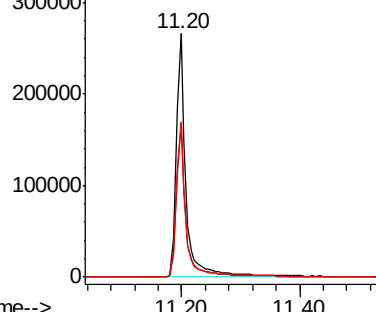


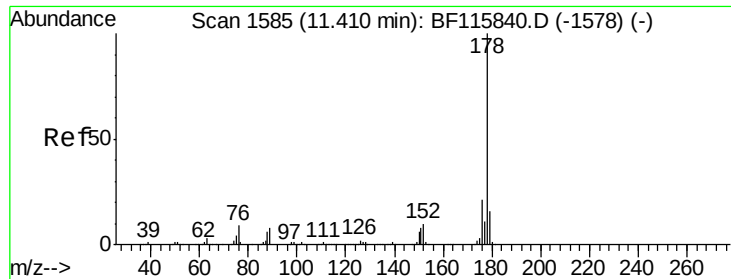
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

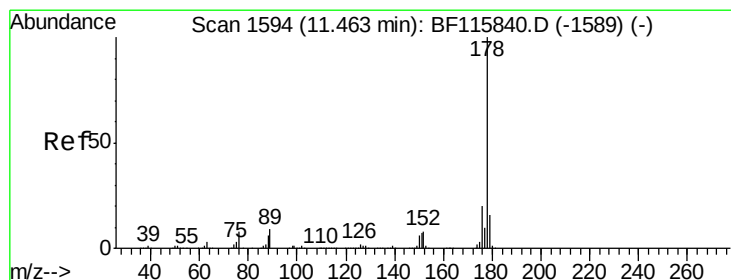
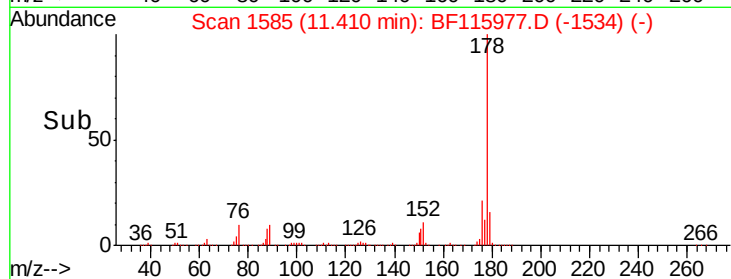
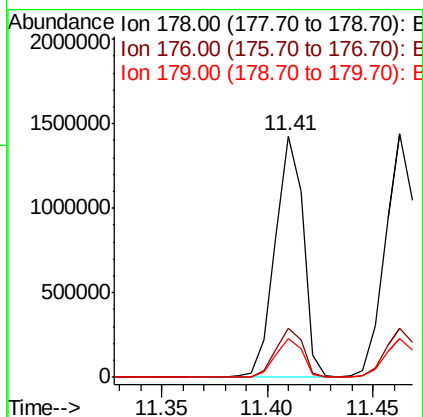
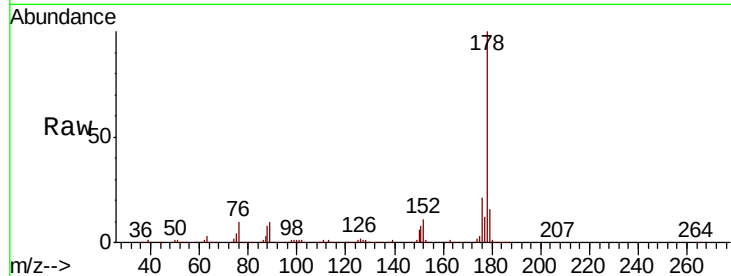




#71
 Phenanthrene
 Concen: 44.844 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: BF115977.D
 Acq: 3 Aug 2019 13:16

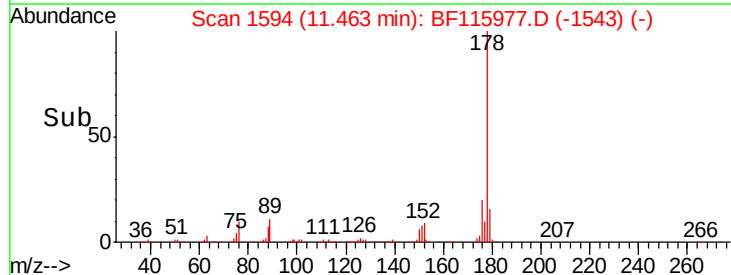
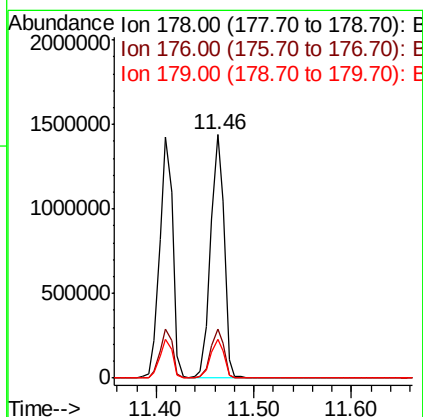
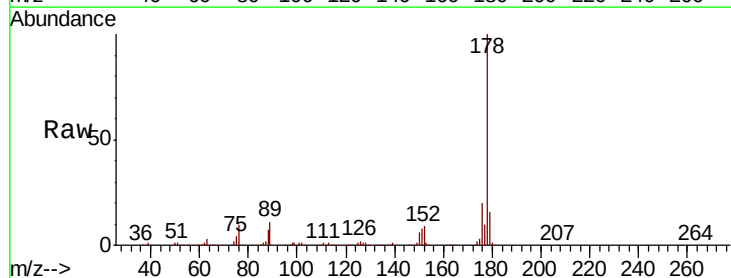
Instrument :
 BNA_F
 ClientSampleId :
 IDOC BS-SOIL03-RC

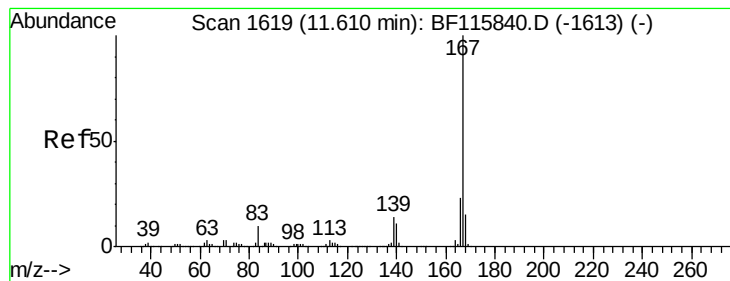
Tgt Ion:178 Resp: 1324524
 Ion Ratio Lower Upper
 178 100
 176 20.6 16.5 24.7
 179 15.8 12.6 18.8



#72
 Anthracene
 Concen: 46.465 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: BF115977.D
 Acq: 3 Aug 2019 13:16

Tgt Ion:178 Resp: 1388943
 Ion Ratio Lower Upper
 178 100
 176 20.1 15.7 23.5
 179 16.0 12.4 18.6





#73

Carbazole

Concen: 45.534 ng

RT: 11.62 min Scan# 1620

Delta R.T. 0.01 min

Lab File: BF115977.D

Acq: 3 Aug 2019 13:16

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL03-RC

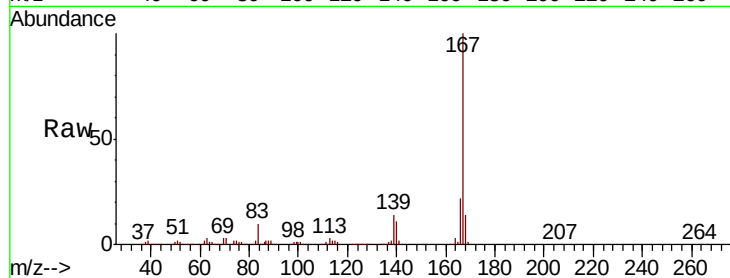
Tgt Ion:167 Resp: 1234850

Ion Ratio Lower Upper

167 100

166 22.4 18.0 27.0

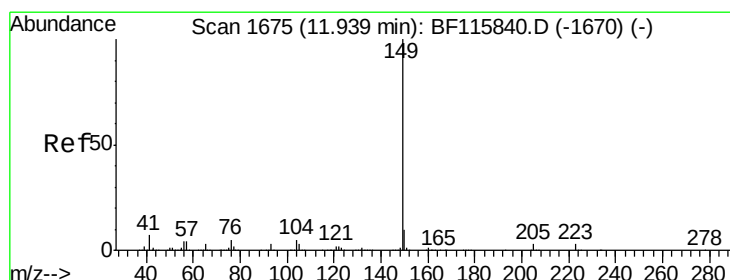
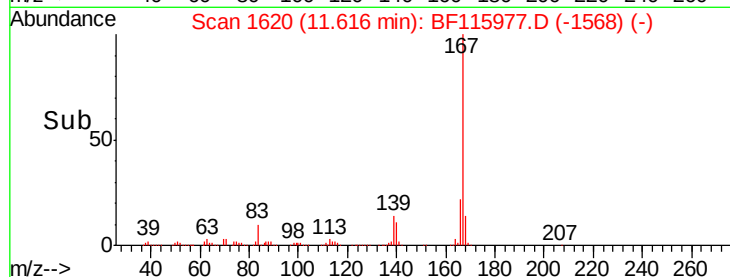
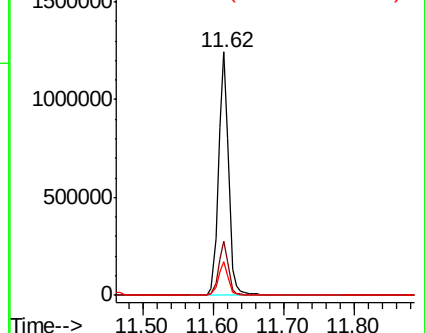
139 14.0 11.4 17.2



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: 47.677 ng

RT: 11.94 min Scan# 1675

Delta R.T. 0.00 min

Lab File: BF115977.D

Acq: 3 Aug 2019 13:16

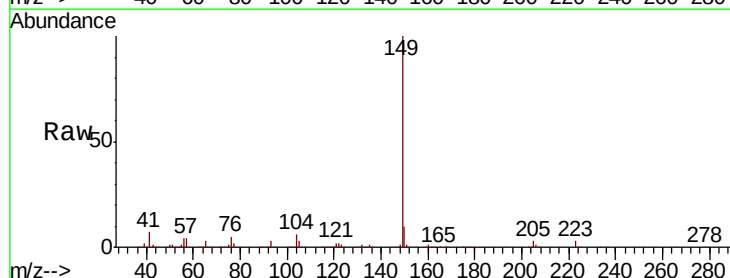
Tgt Ion:149 Resp: 1508314

Ion Ratio Lower Upper

149 100

150 9.7 7.7 11.5

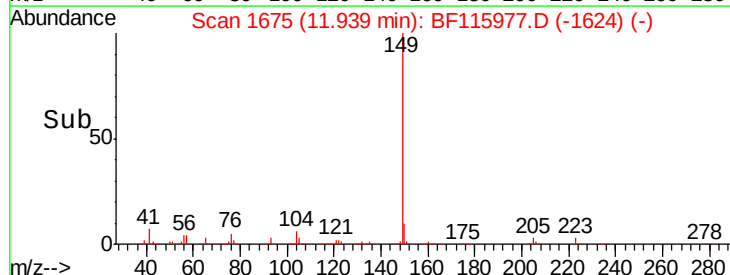
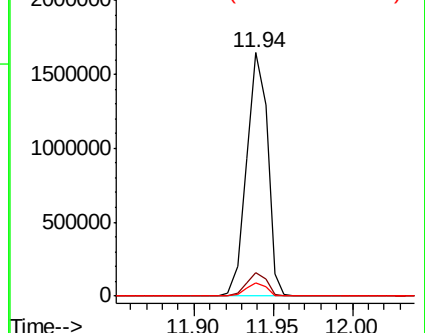
104 5.5 4.3 6.5

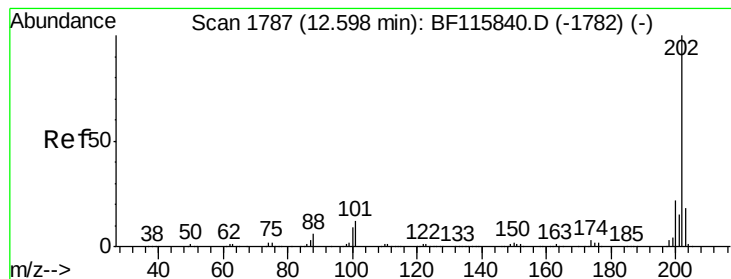


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 45.318 ng

RT: 12.60 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BF115977.D

Acq: 3 Aug 2019 13:16

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL03-RC

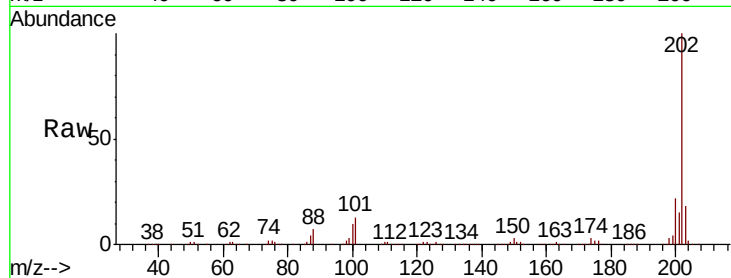
Tgt Ion:202 Resp: 1401295

Ion Ratio Lower Upper

202 100

101 13.0 0.0 31.5

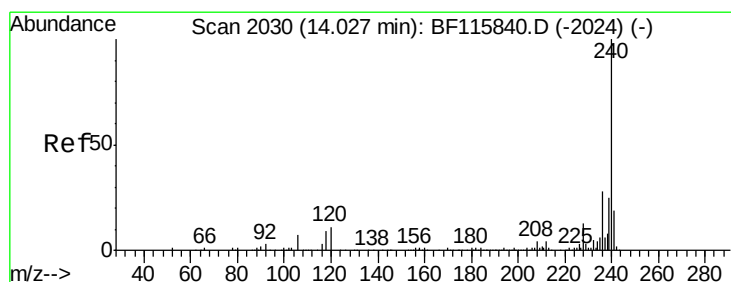
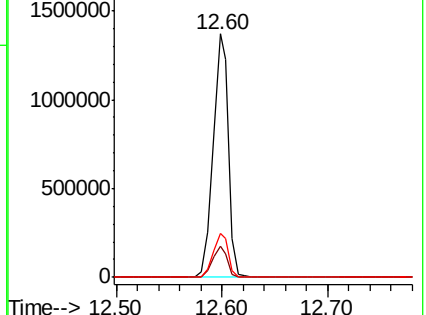
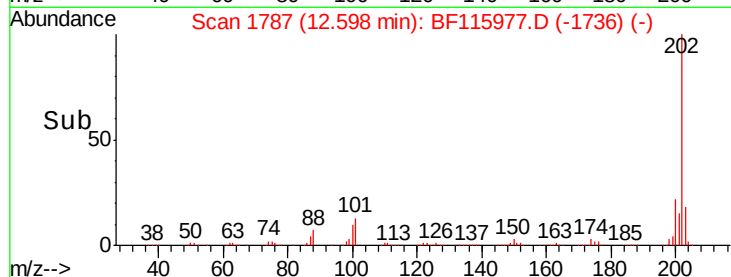
203 18.2 0.0 37.9



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: BF115977.D

Acq: 3 Aug 2019 13:16

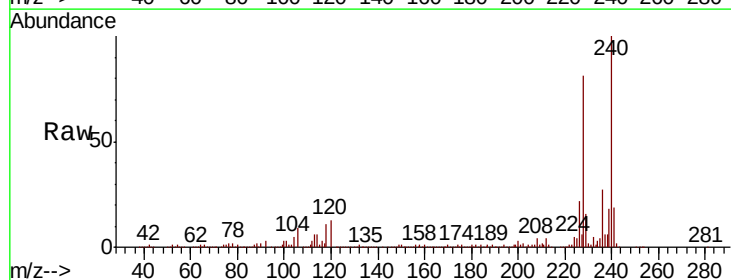
Tgt Ion:240 Resp: 418407

Ion Ratio Lower Upper

240 100

120 12.6 8.5 12.7

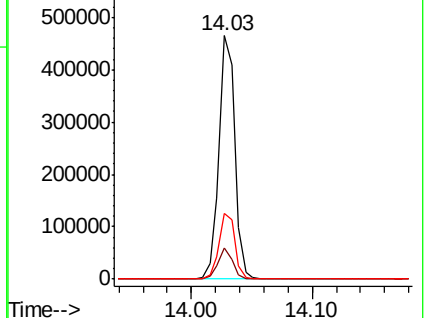
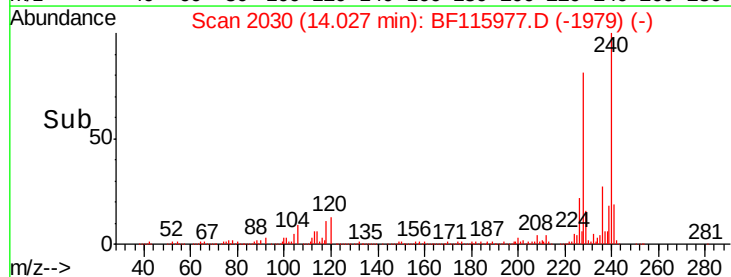
236 26.9 22.2 33.2

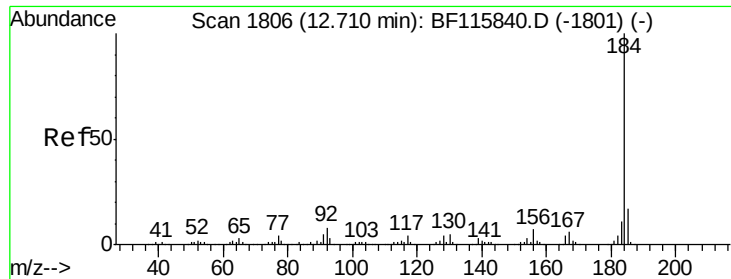


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 50.156 ng

RT: 12.72 min Scan# 1807

Delta R.T. 0.01 min

Lab File: BF115977.D

Acq: 3 Aug 2019 13:16

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL03-RC

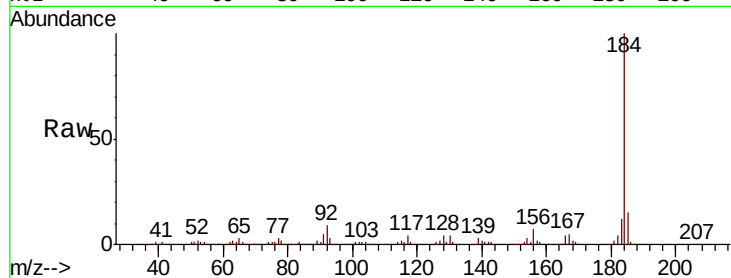
Tgt Ion:184 Resp: 708979

Ion Ratio Lower Upper

184 100

185 15.2 13.4 20.2

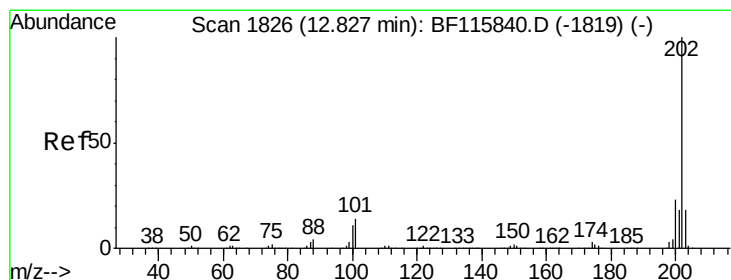
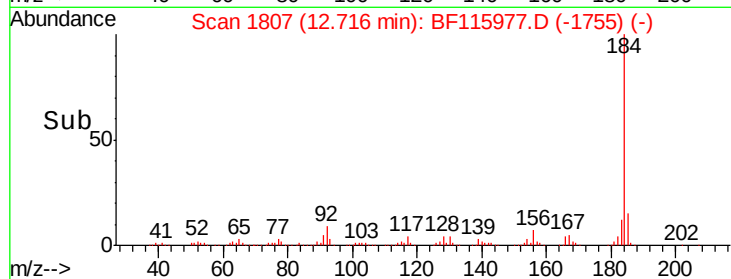
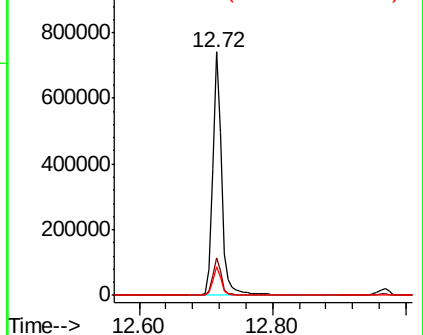
183 11.8 9.1 13.7



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: 44.676 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BF115977.D

Acq: 3 Aug 2019 13:16

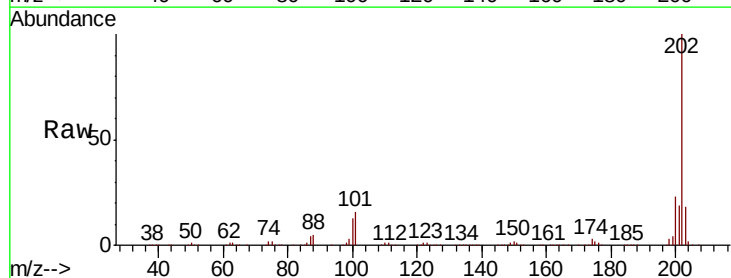
Tgt Ion:202 Resp: 1409091

Ion Ratio Lower Upper

202 100

200 22.7 18.2 27.2

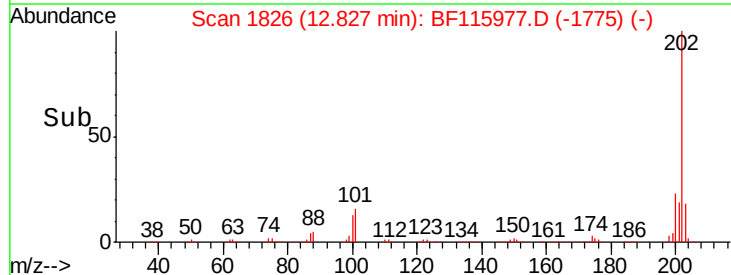
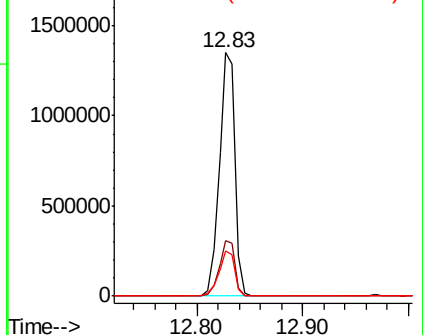
203 18.3 14.3 21.5

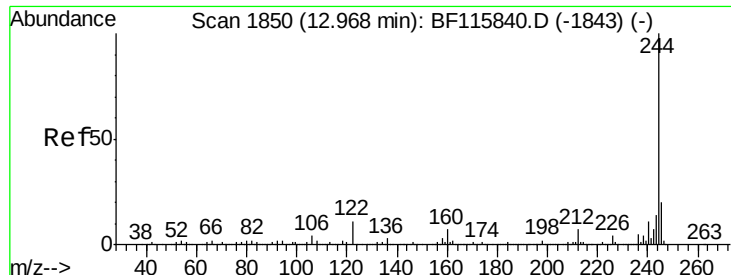


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 85.500 ng

RT: 12.97 min Scan# 1850

Delta R.T. 0.00 min

Lab File: BF115977.D

Acq: 3 Aug 2019 13:16

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL03-RC

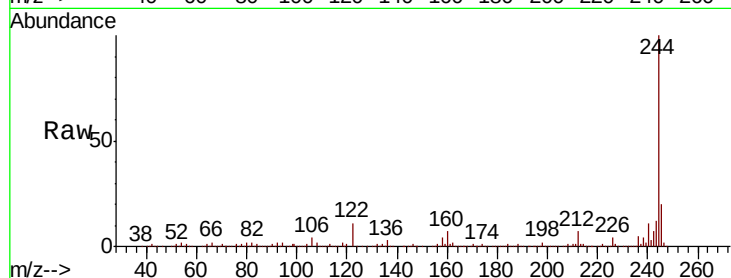
Tgt Ion:244 Resp: 1697725

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

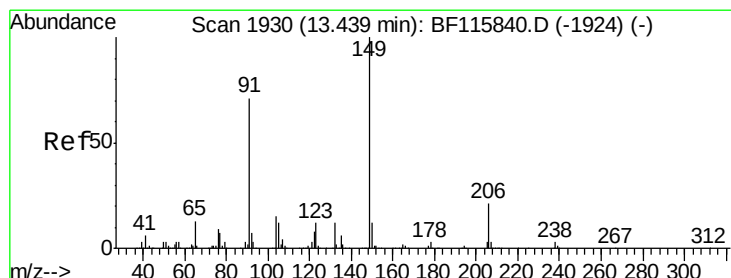
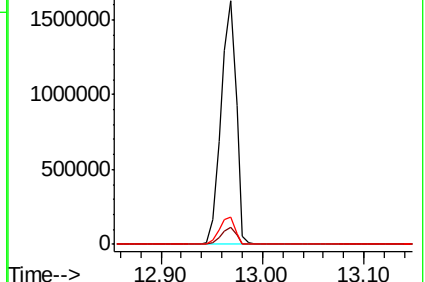
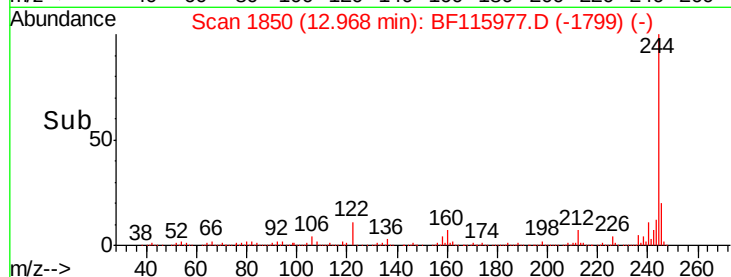
122 11.3 8.6 13.0



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: 48.163 ng

RT: 13.44 min Scan# 1930

Delta R.T. 0.00 min

Lab File: BF115977.D

Acq: 3 Aug 2019 13:16

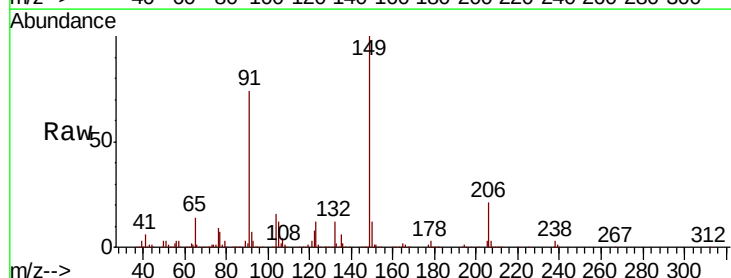
Tgt Ion:149 Resp: 642578

Ion Ratio Lower Upper

149 100

91 73.8 57.0 85.6

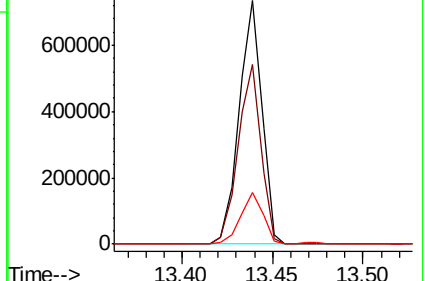
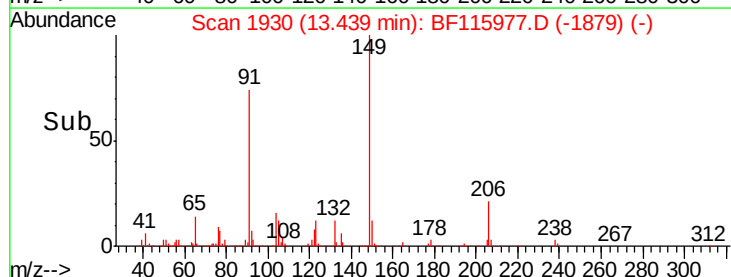
206 21.2 16.9 25.3

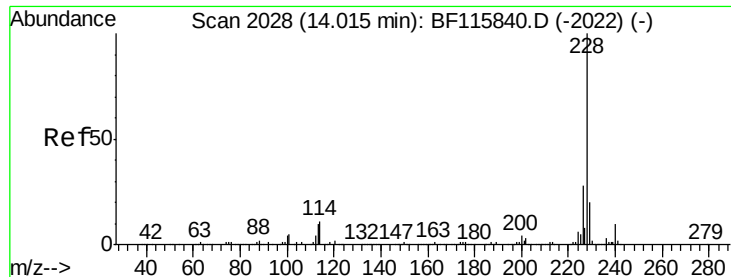


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 45.181 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BF115977.D

Acq: 3 Aug 2019 13:16

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL03-RC

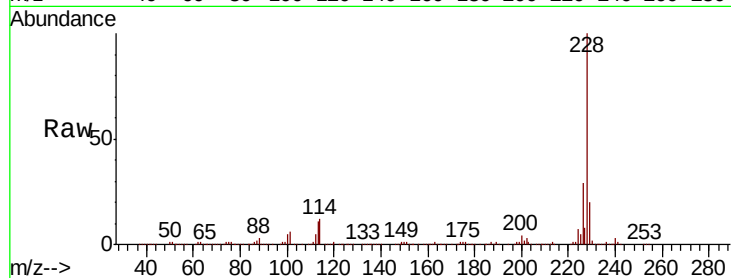
Tgt Ion:228 Resp: 1208266

Ion Ratio Lower Upper

228 100

226 28.5 22.5 33.7

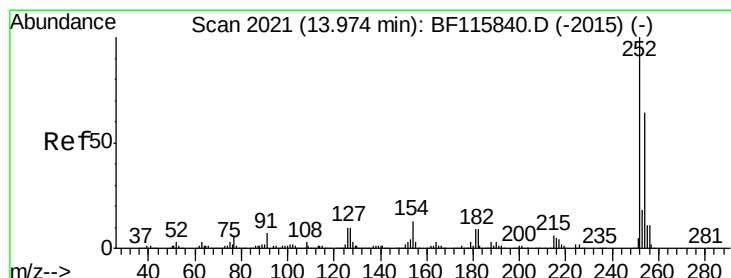
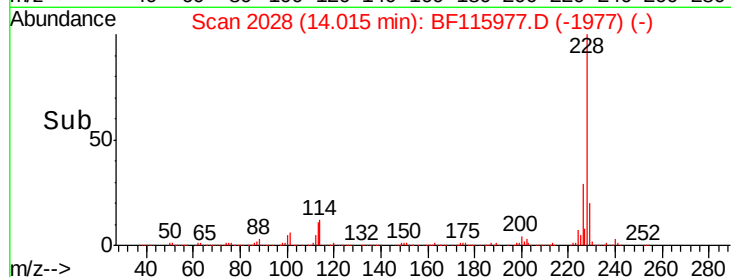
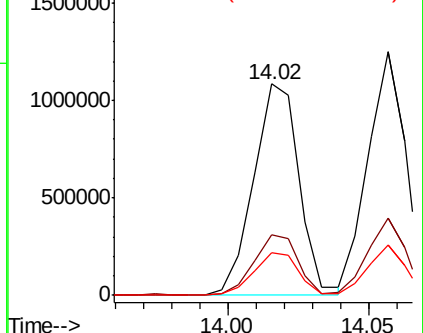
229 20.4 16.1 24.1



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: 33.832 ng

RT: 13.97 min Scan# 2021

Delta R.T. 0.00 min

Lab File: BF115977.D

Acq: 3 Aug 2019 13:16

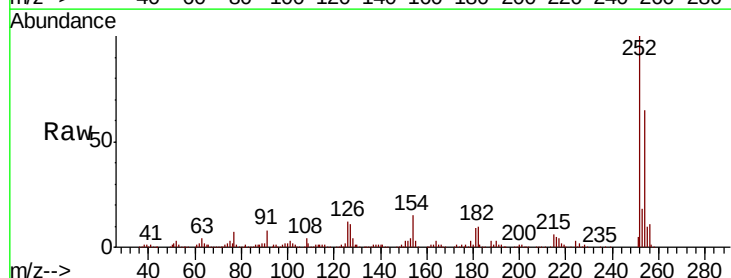
Tgt Ion:252 Resp: 314336

Ion Ratio Lower Upper

252 100

254 64.7 51.2 76.8

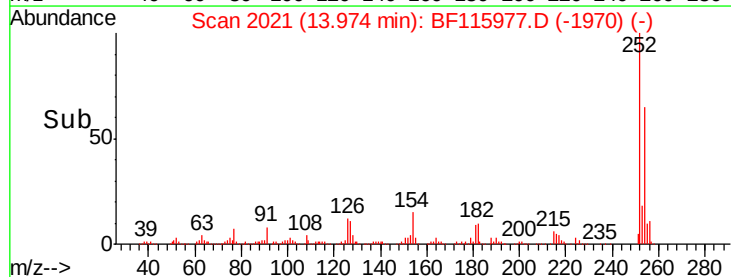
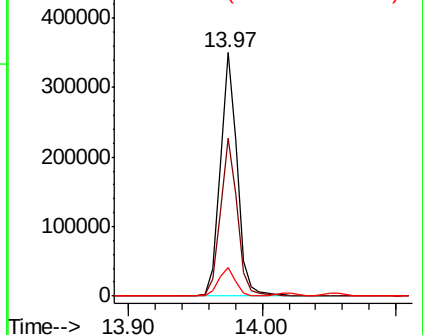
126 11.9 8.1 12.1

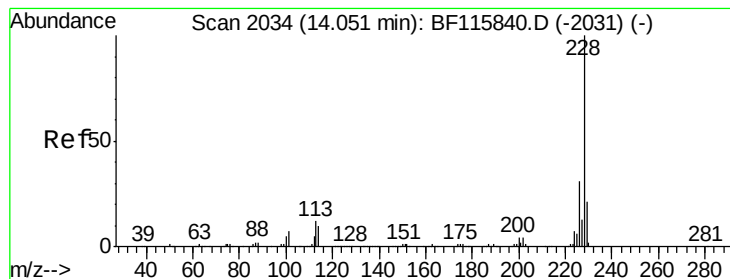


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 44.439 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BF115977.D

Acq: 3 Aug 2019 13:16

Instrument :

BNA_F

ClientSampleId :

IDOC BS-SOIL03-RC

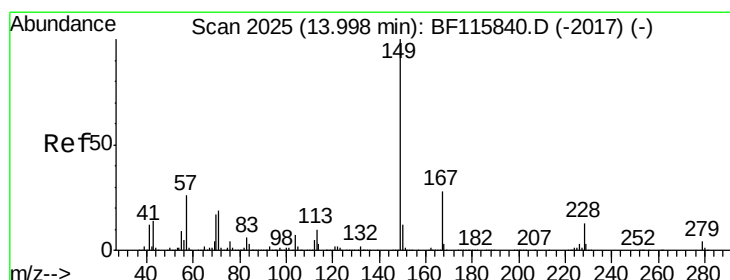
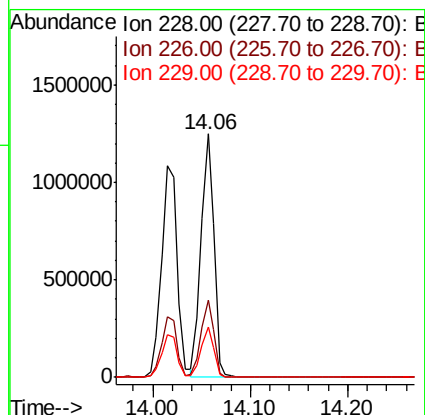
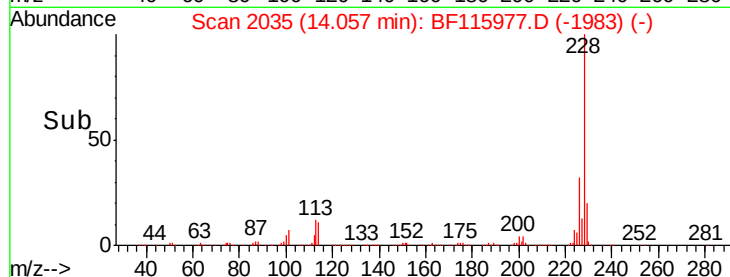
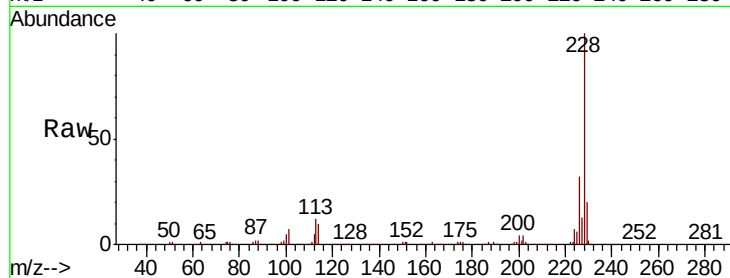
Tgt Ion:228 Resp: 1153778

Ion Ratio Lower Upper

228 100

226 31.5 24.8 37.2

229 20.5 16.4 24.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 50.806 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF115977.D

Acq: 3 Aug 2019 13:16

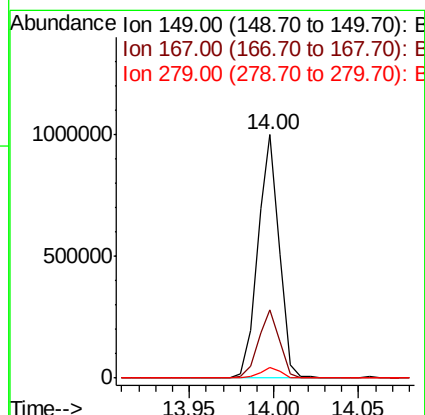
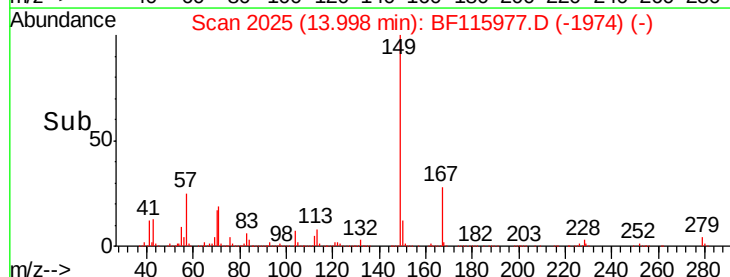
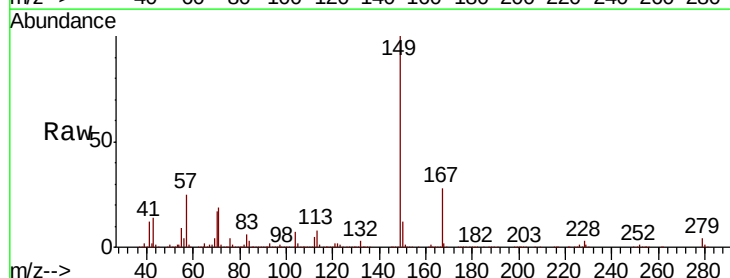
Tgt Ion:149 Resp: 880846

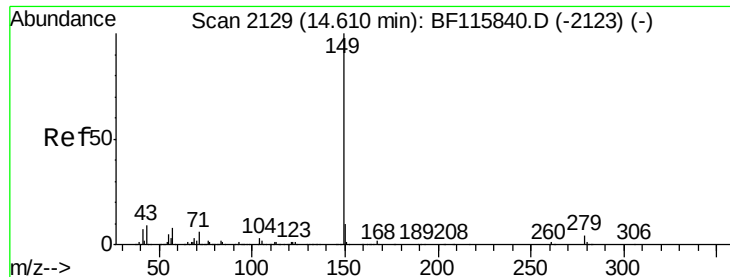
Ion Ratio Lower Upper

149 100

167 28.2 22.4 33.6

279 4.2 3.3 4.9

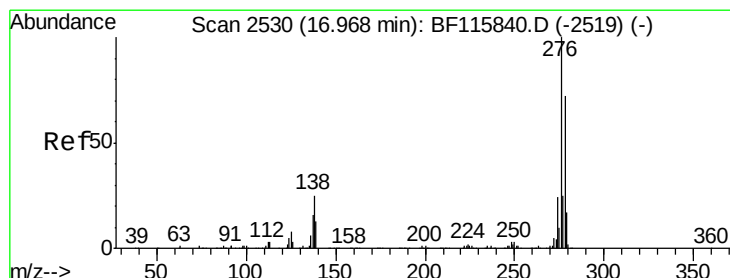
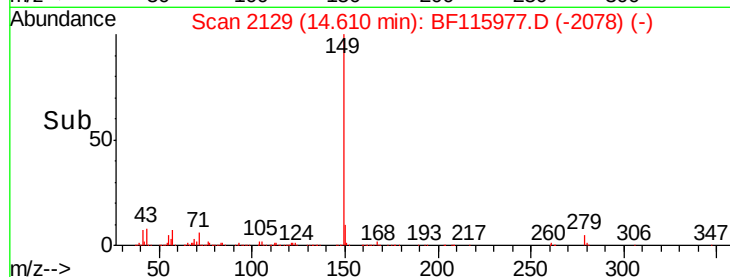
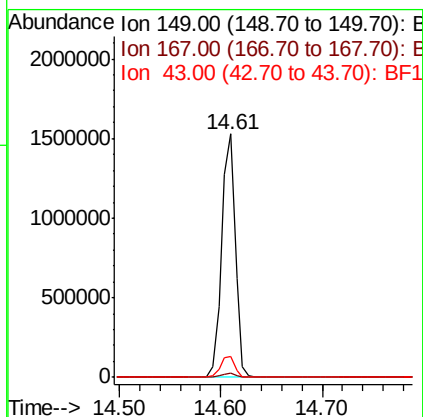
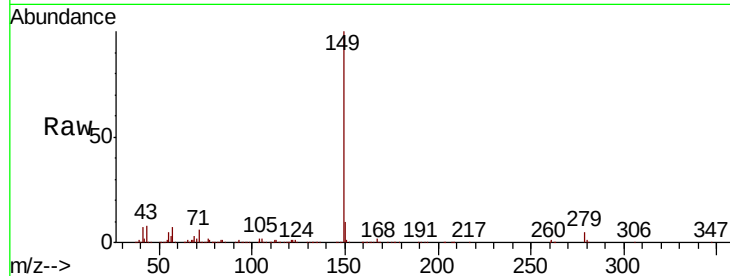




#85
Di-n-octyl phthalate
Concen: 51.695 ng
RT: 14.61 min Scan# 2129
Delta R.T. 0.00 min
Lab File: BF115977.D
Acq: 3 Aug 2019 13:16

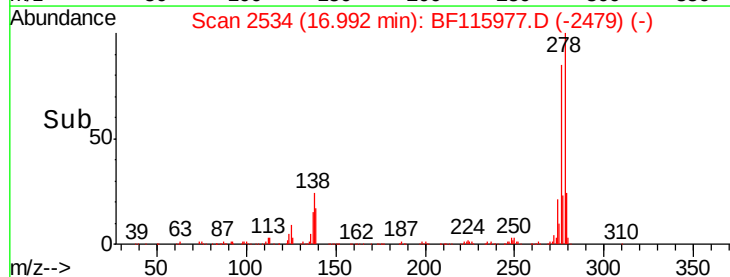
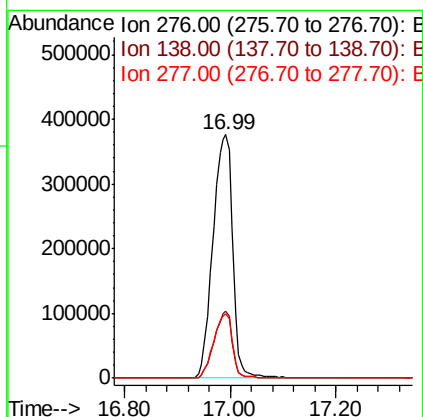
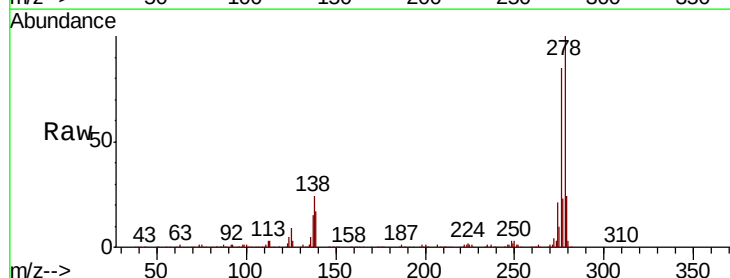
Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL03-RC

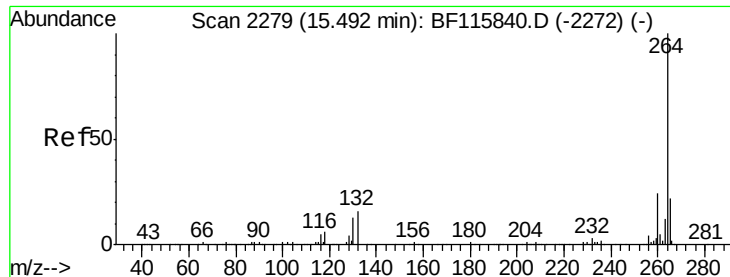
Tgt Ion:149 Resp: 1423576
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 8.9 7.4 11.0



#86
Indeno(1,2,3-cd)pyrene
Concen: 44.914 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.02 min
Lab File: BF115977.D
Acq: 3 Aug 2019 13:16

Tgt Ion:276 Resp: 979427
Ion Ratio Lower Upper
276 100
138 25.4 19.6 29.4
277 25.4 20.1 30.1

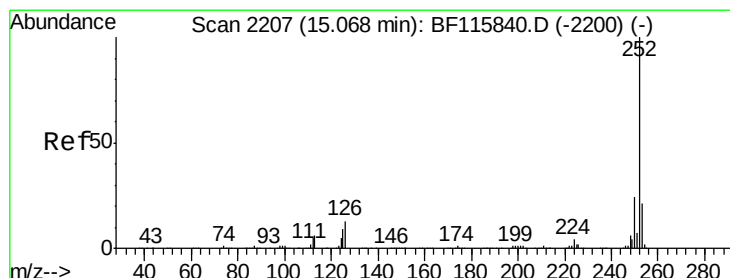
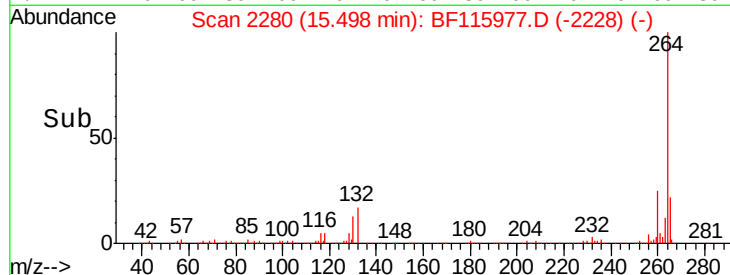
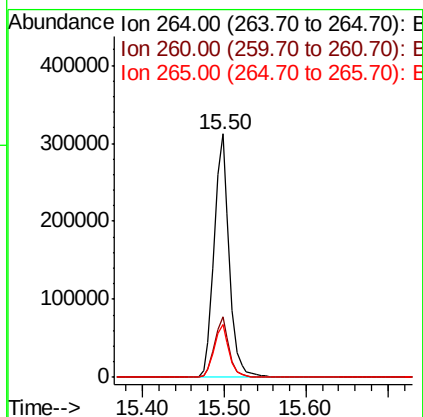
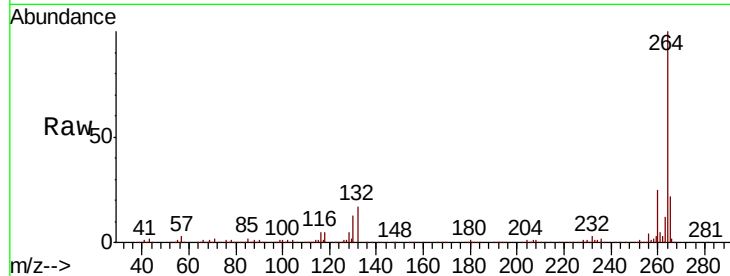




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF115977.D
Acq: 3 Aug 2019 13:16

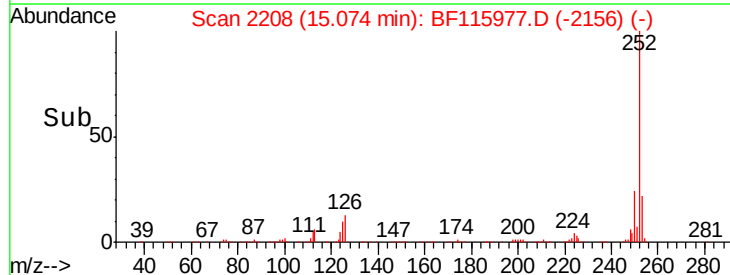
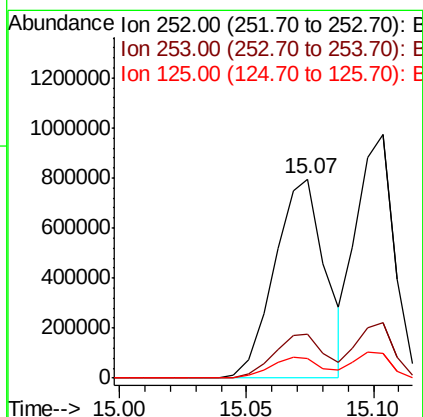
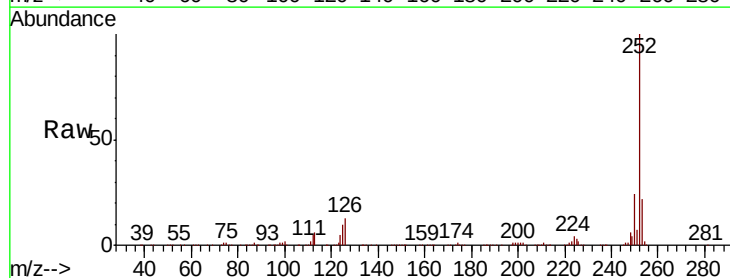
Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL03-RC

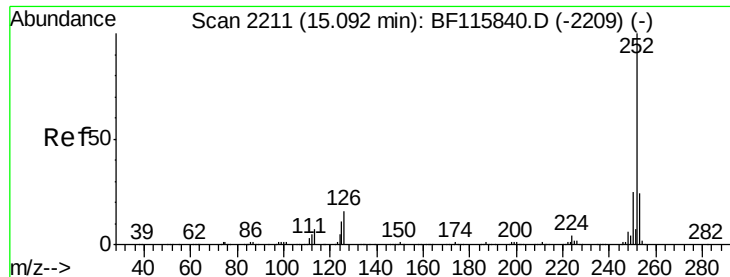
Tgt Ion:264 Resp: 401524
Ion Ratio Lower Upper
264 100
260 25.0 19.4 29.2
265 21.9 17.5 26.3



#88
Benzo(b)fluoranthene
Concen: 47.910 ng
RT: 15.07 min Scan# 2208
Delta R.T. 0.01 min
Lab File: BF115977.D
Acq: 3 Aug 2019 13:16

Tgt Ion:252 Resp: 1112300
Ion Ratio Lower Upper
252 100
253 22.4 17.2 25.8
125 9.8 7.4 11.0

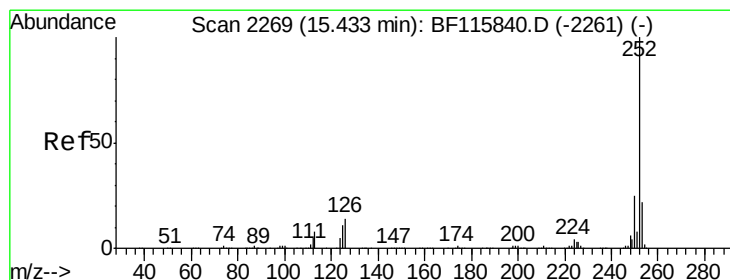
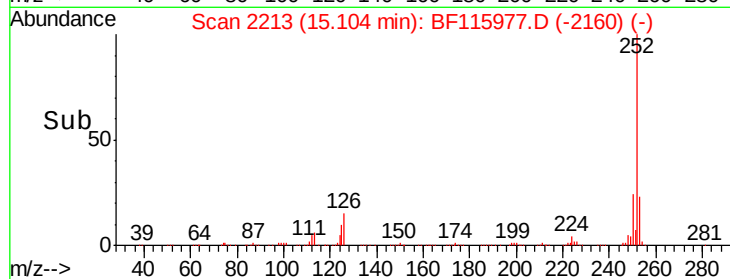
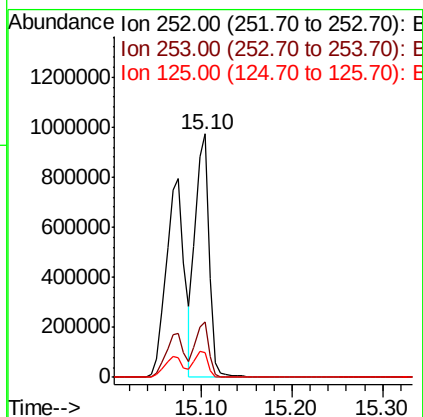
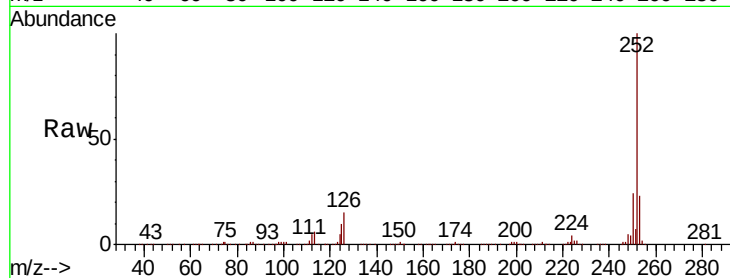




#89
Benzo(k)fluoranthene
Concen: 45.091 ng
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF115977.D
Acq: 3 Aug 2019 13:16

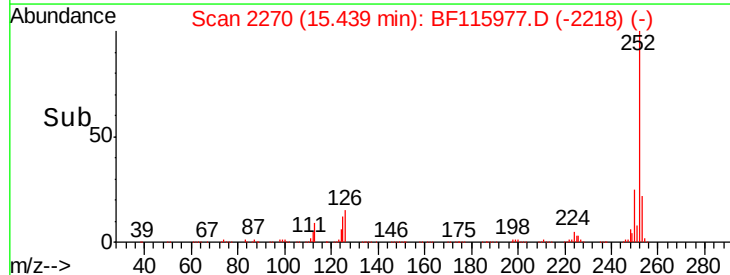
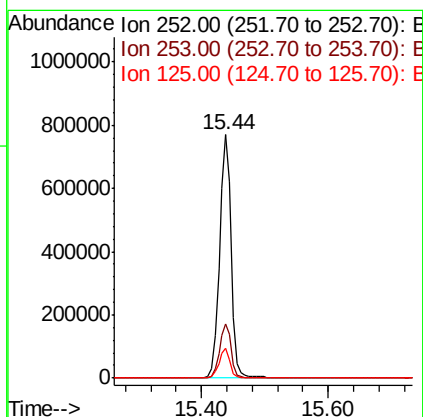
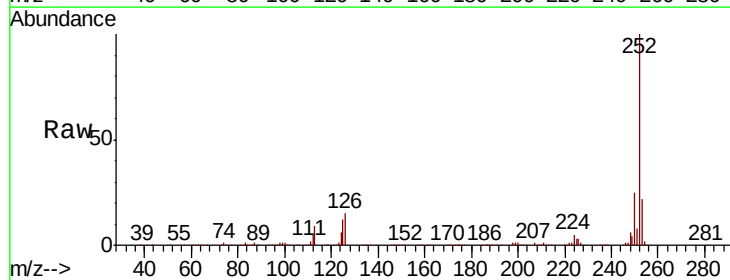
Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL03-RC

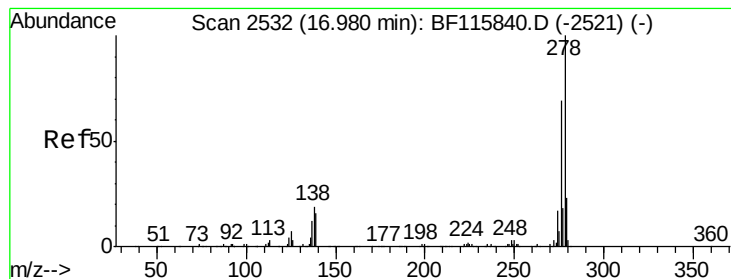
Tgt Ion:252 Resp: 1019651
Ion Ratio Lower Upper
252 100
253 22.6 18.2 27.4
125 10.2 8.9 13.3



#90
Benzo(a)pyrene
Concen: 47.949 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF115977.D
Acq: 3 Aug 2019 13:16

Tgt Ion:252 Resp: 995122
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.6
125 12.0 8.8 13.2

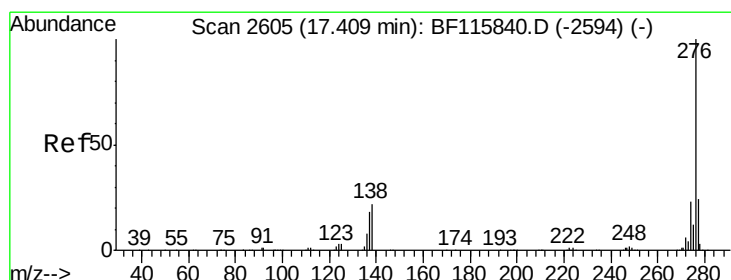
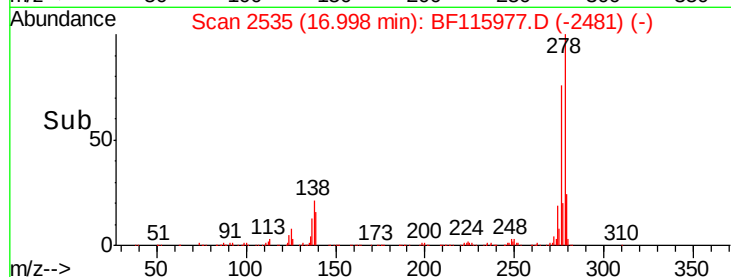
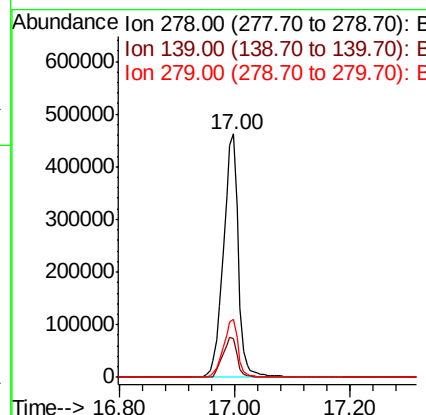
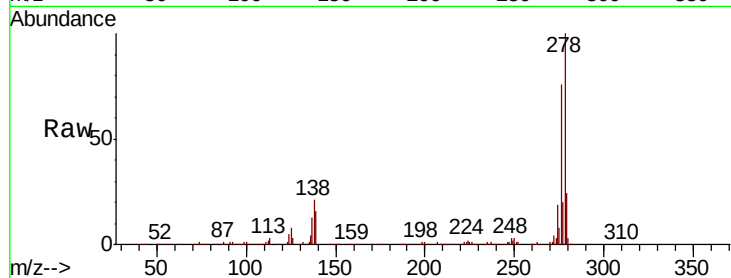




#91
Dibenzo(a,h)anthracene
Concen: 46.025 ng
RT: 17.00 min Scan# 2535
Delta R.T. 0.02 min
Lab File: BF115977.D
Acq: 3 Aug 2019 13:16

Instrument :
BNA_F
ClientSampleId :
IDOC BS-SOIL03-RC

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.0	12.6	19.0
279	23.6	18.8	28.2



#92
Benzo(g,h,i)perylene
Concen: 45.153 ng
RT: 17.43 min Scan# 2609
Delta R.T. 0.02 min
Lab File: BF115977.D
Acq: 3 Aug 2019 13:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.8	19.5	29.3
138	20.9	17.8	26.8

