

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112018\
 Data File : BF110898.D
 Acq On : 20 Nov 2018 17:01
 Operator : JU/SJ
 Sample : J5993-12
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPLP-LEACHATE-AMENDED-WCC-

Quant Time: Nov 21 04:23:13 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 12:43:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	54400	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	223882	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	103791	20.00	ng	-0.01
64) Phenanthrene-d10	11.48	188	177611	20.00	ng	0.00
76) Chrysene-d12	14.13	240	125651	20.00	ng	0.00
87) Perylene-d12	15.67	264	109583	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	134942	40.29	ng	0.00
7) Phenol-d6	6.57	99	103431	24.15	ng	0.00
23) Nitrobenzene-d5	7.50	82	284601	73.21	ng	-0.01
42) 2,4,6-Tribromophenol	10.78	330	93583	89.48	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	538106	74.04	ng	0.00
79) Terphenyl-d14	13.06	244	389893	58.11	ng	-0.01

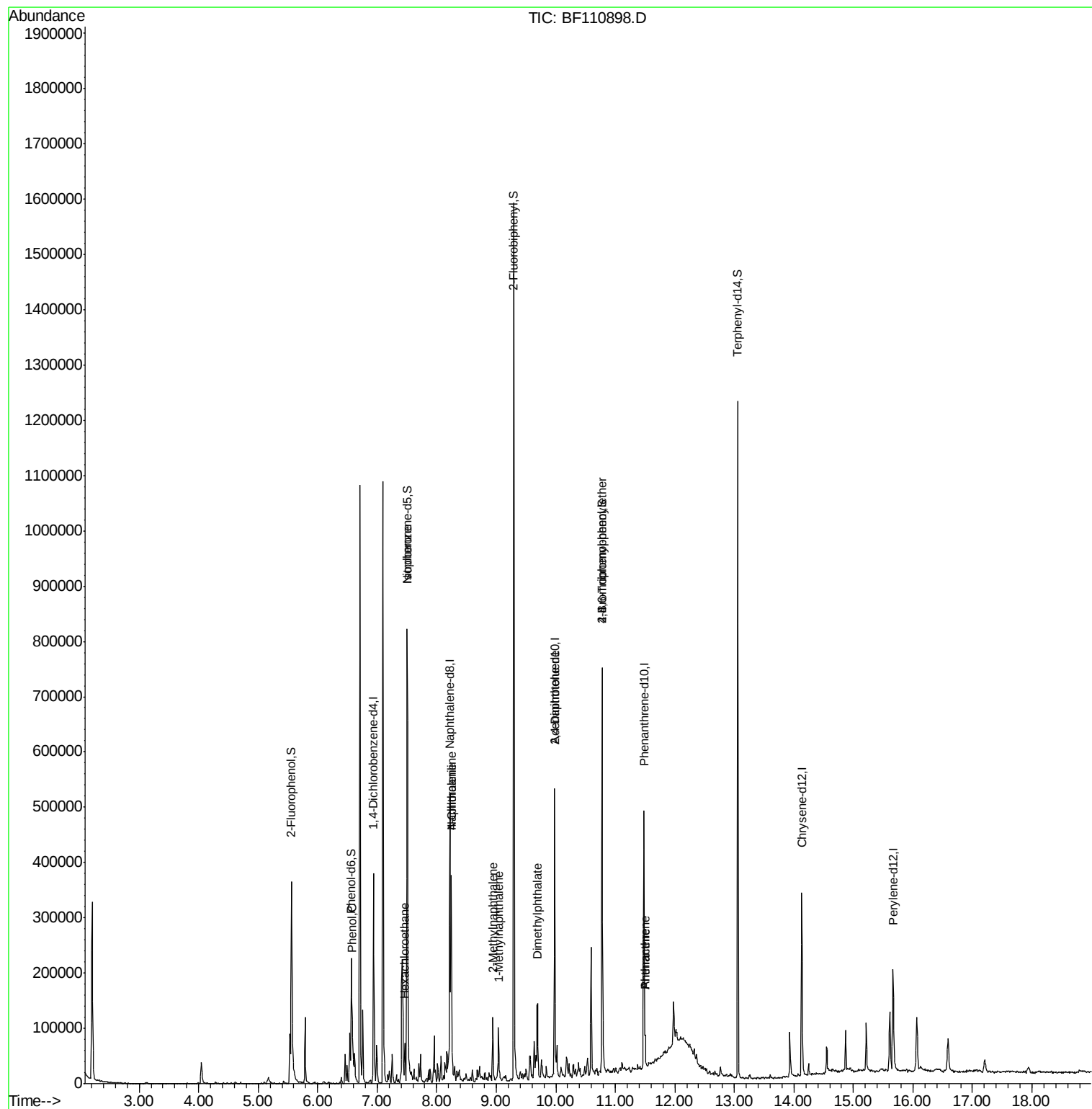
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.49	77	1617	Below Cal		# 1
10) Phenol	6.58	94	18174	3.660	ng	# 77
18) Hexachloroethane	7.46	117	4005	2.487	ng	# 1
25) Isophorone	7.50	82	284601	44.666	ng	# 67
31) Naphthalene	8.25	128	166134	15.807	ng	# 99
33) 4-Chloroaniline	8.25	127	21733	4.565	ng	# 35
37) 2-Methylnaphthalene	8.94	142	35875	5.207	ng	# 100
38) 1-Methylnaphthalene	9.04	142	29463	4.447	ng	# 95
50) Dimethylphthalate	9.69	163	63762	8.233	ng	# 98
57) 2,4-Dinitrotoluene	9.98	165	14198	6.410	ng	# 19
67) 4-Bromophenyl-phenylether	10.78	248	5722	2.915	ng	# 1
71) Phenanthrene	11.50	178	19577	2.057	ng	# 97
72) Anthracene	11.50	178	19577	2.040	ng	# 97

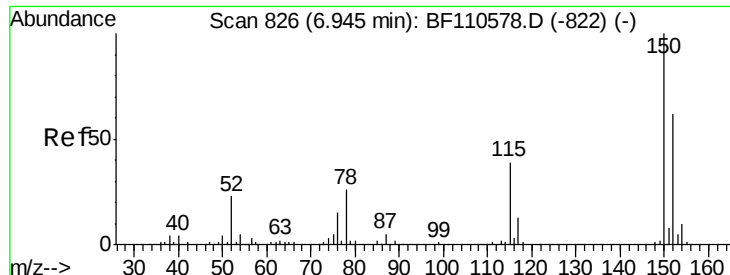
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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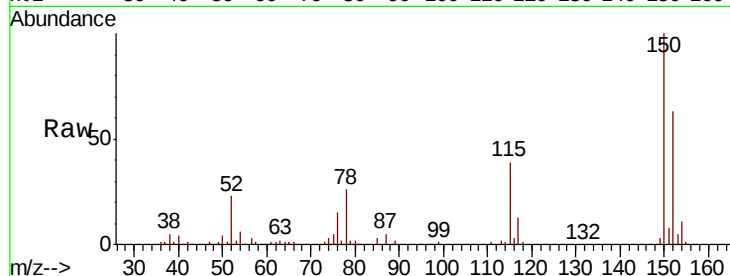




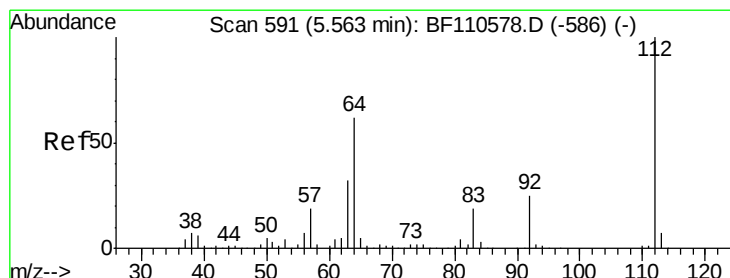
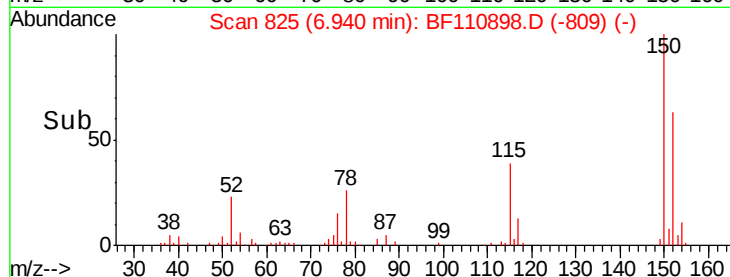
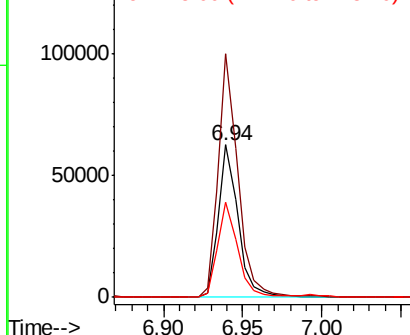
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.94 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: BF110898.D
 Acq: 20 Nov 2018 17:01

Instrument :
 BNA_F
 ClientSampleId :
 SPLP-LEACHATE-AMENDED-WCC-

Tgt Ion:152 Resp: 54400
 Ion Ratio Lower Upper
 152 100
 150 159.8 122.7 184.1
 115 62.7 49.1 73.7

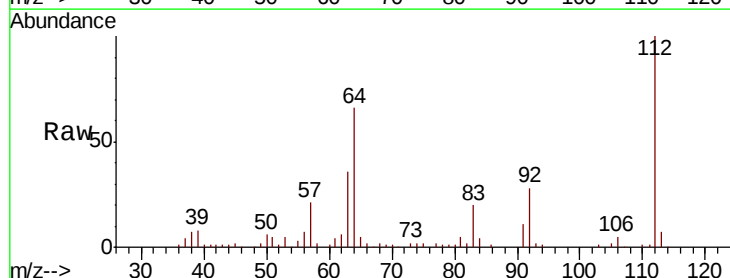


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

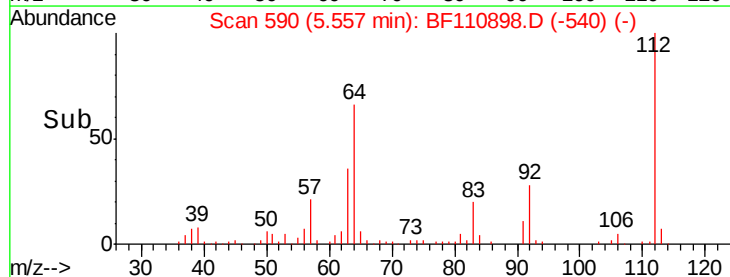
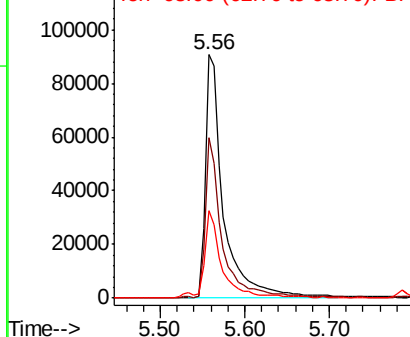


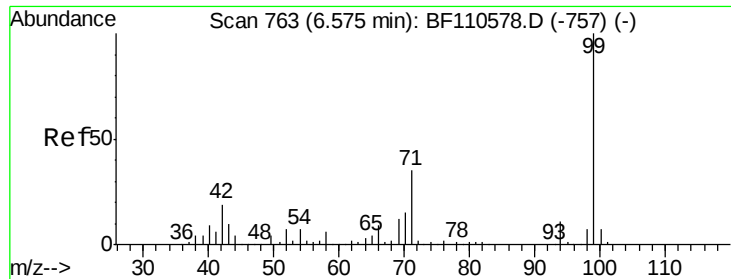
#5
 2-Fluorophenol
 Concen: 40.292 ng
 RT: 5.56 min Scan# 590
 Delta R.T. -0.01 min
 Lab File: BF110898.D
 Acq: 20 Nov 2018 17:01

Tgt Ion:112 Resp: 134942
 Ion Ratio Lower Upper
 112 100
 64 65.7 44.1 66.1
 63 35.8 23.7 35.5#



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 24.151 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110898.D

Acq: 20 Nov 2018 17:01

Instrument :

BNA_F

ClientSampleId :

SPLP-LEACHATE-AMENDED-WCC-

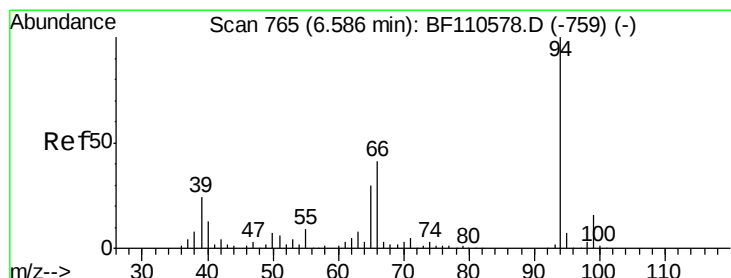
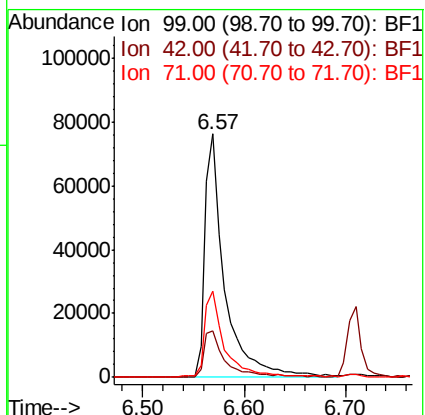
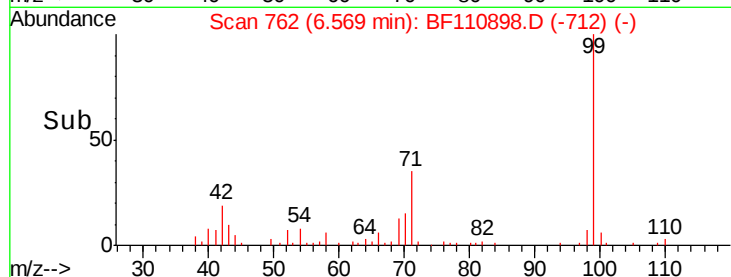
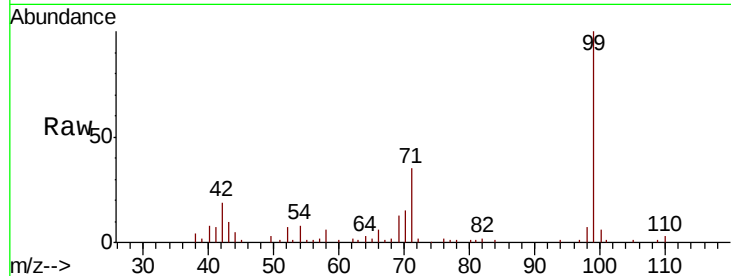
Tgt Ion: 99 Resp: 103431

Ion Ratio Lower Upper

99 100

42 19.2 15.8 23.6

71 35.4 28.0 42.0



#10

Phenol

Concen: 3.660 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110898.D

Acq: 20 Nov 2018 17:01

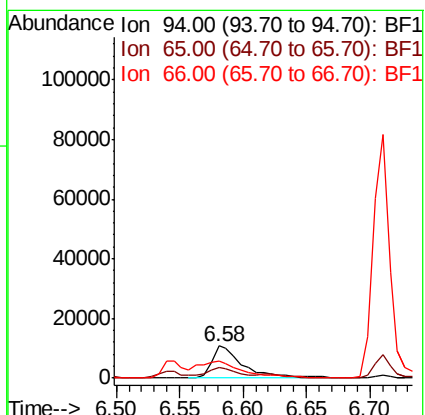
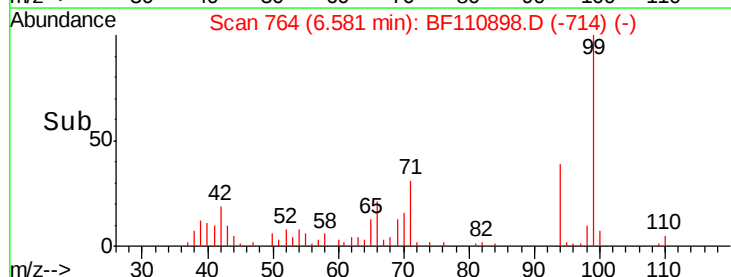
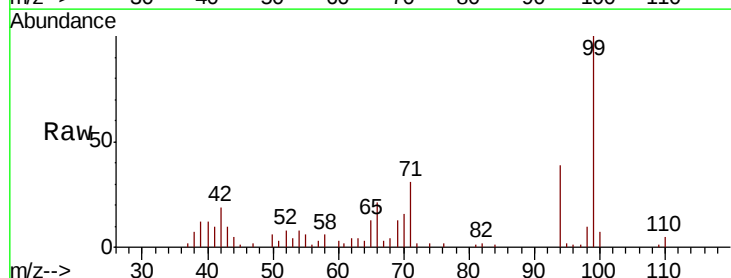
Tgt Ion: 94 Resp: 18174

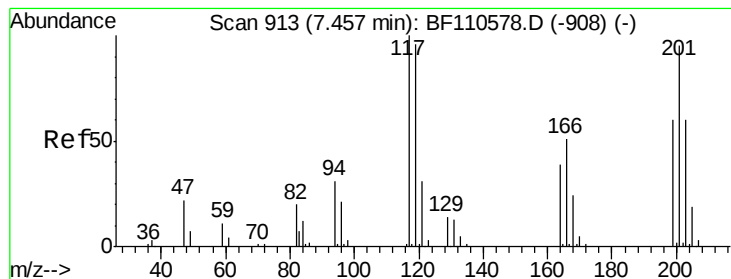
Ion Ratio Lower Upper

94 100

65 33.0 25.3 65.3

66 53.3 54.5 94.5#





#18

Hexachloroethane

Concen: 2.487 ng

RT: 7.46 min Scan# 914

Delta R.T. 0.01 min

Lab File: BF110898.D

Acq: 20 Nov 2018 17:01

Instrument :

BNA_F

ClientSampleId :

SPLP-LEACHATE-AMENDED-WCC-

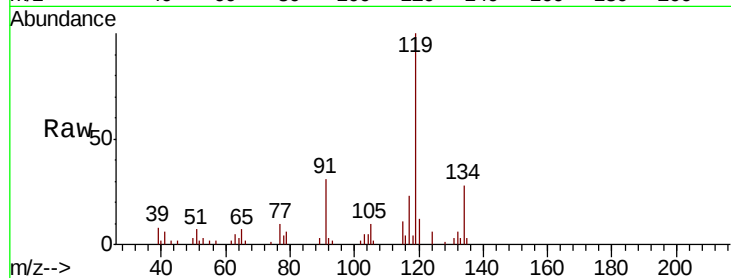
Tgt Ion:117 Resp: 4005

Ion Ratio Lower Upper

117 100

119 436.4 75.0 112.6#

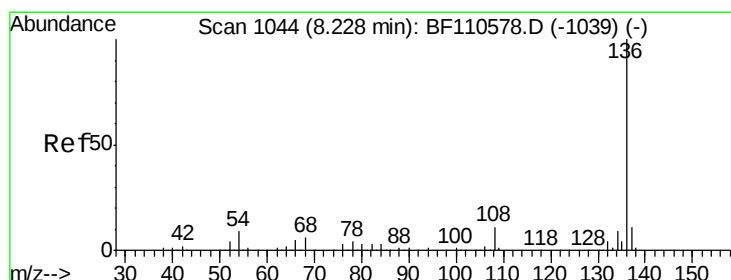
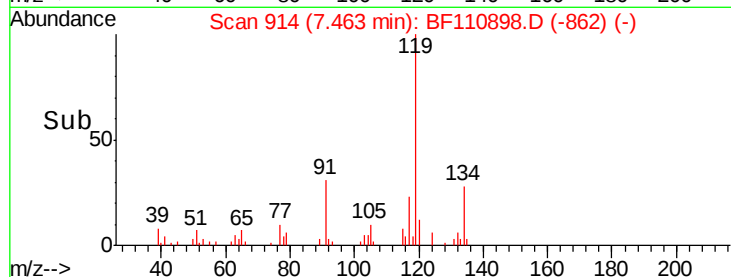
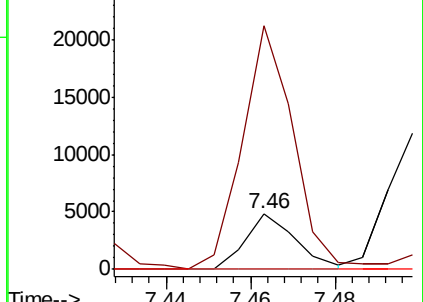
201 0.0 79.2 118.8#



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF110898.D

Acq: 20 Nov 2018 17:01

Tgt Ion:136 Resp: 223882

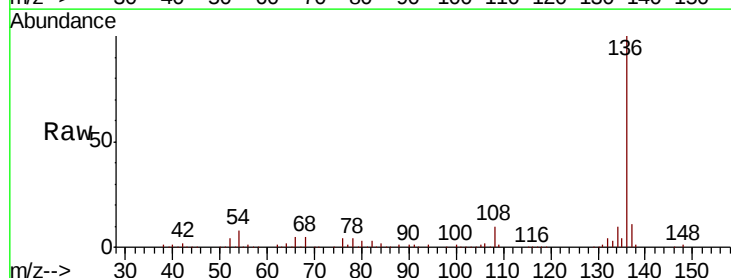
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 7.8 5.4 8.2

68 5.1 4.2 6.2

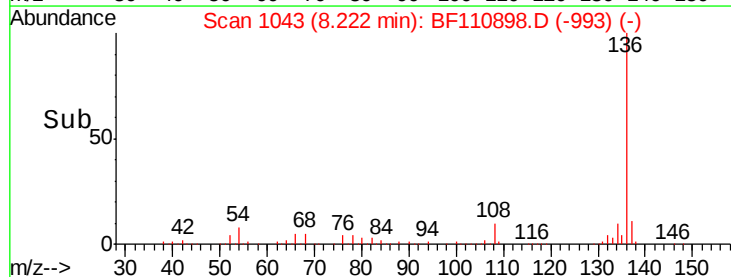
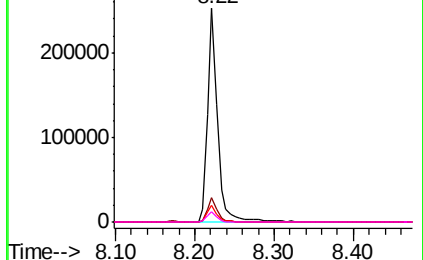


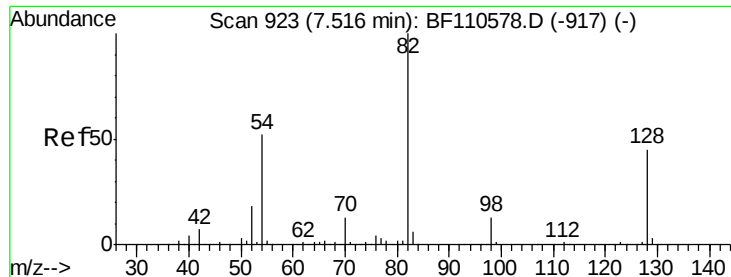
Abundance Ion 136.00 (135.70 to 136.70): E

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

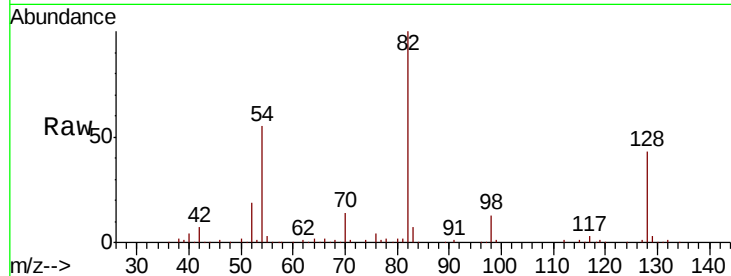




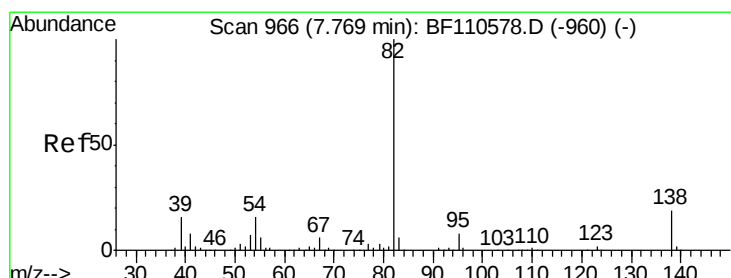
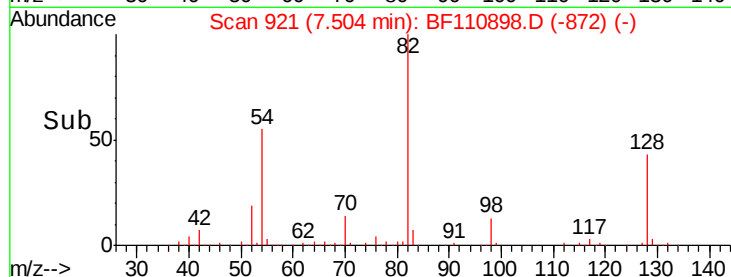
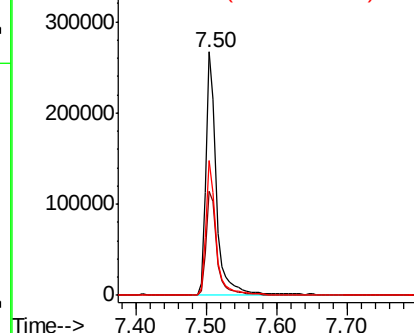
#23
Nitrobenzene-d5
Concen: 73.208 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF110898.D
Acq: 20 Nov 2018 17:01

Instrument :
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SPLP-LEACHATE-AMENDED-WCC-

Tgt Ion: 82 Resp: 284601
Ion Ratio Lower Upper
82 100
128 42.6 34.2 51.2
54 55.4 38.6 58.0

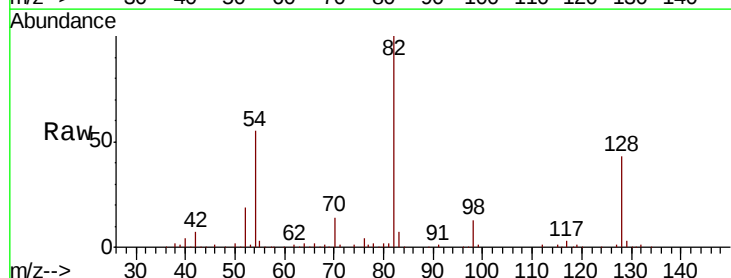


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

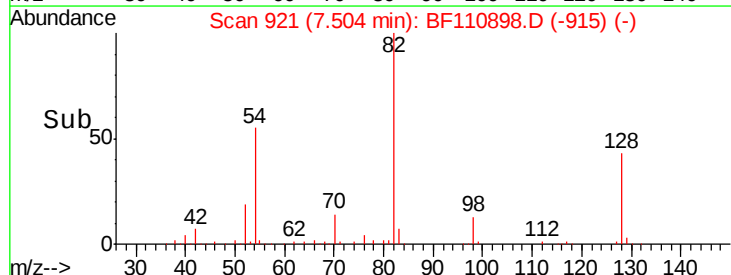
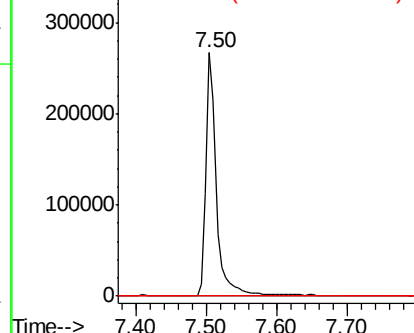


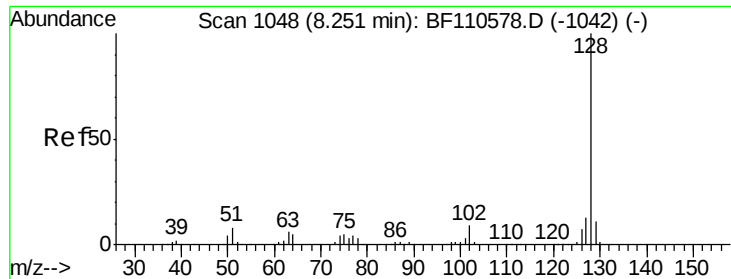
#25
Isophorone
Concen: 44.666 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.26 min
Lab File: BF110898.D
Acq: 20 Nov 2018 17:01

Tgt Ion: 82 Resp: 284601
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.2 19.8#



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

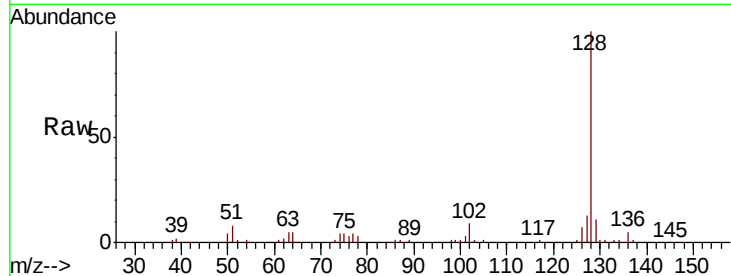




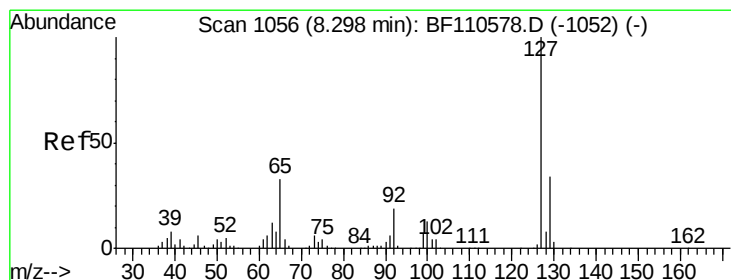
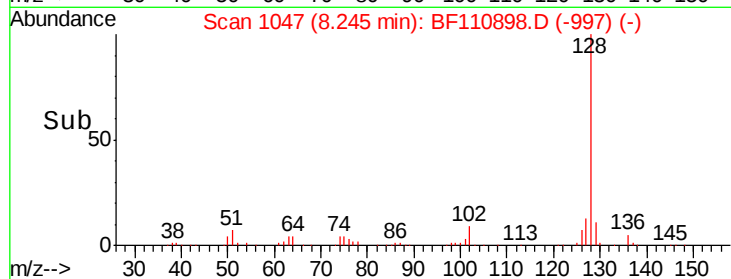
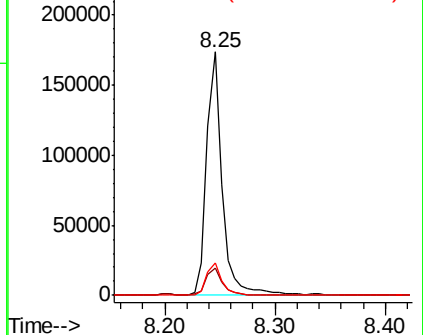
#31
Naphthalene
Concen: 15.807 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF110898.D
Acq: 20 Nov 2018 17:01

Instrument :
BNA_F
ClientSampleId :
SPLP-LEACHATE-AMENDED-WCC-

Tgt Ion:128 Resp: 166134
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 13.1 10.8 16.2

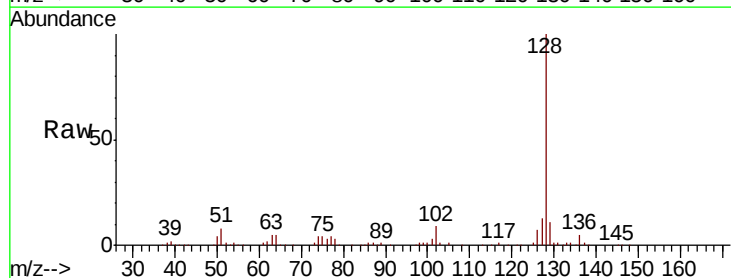


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

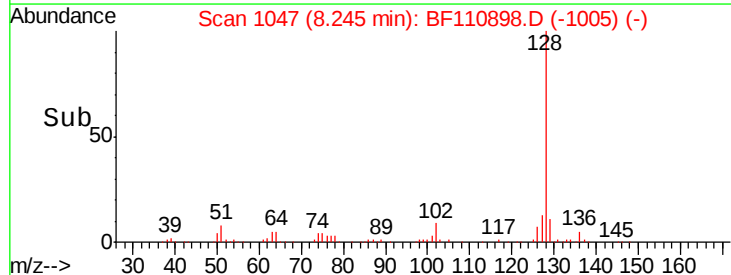
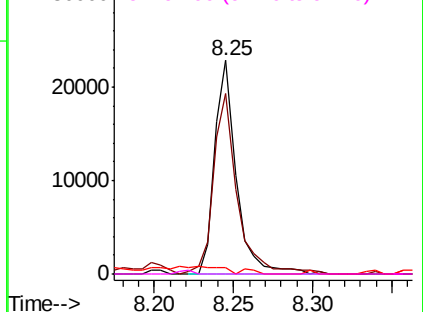


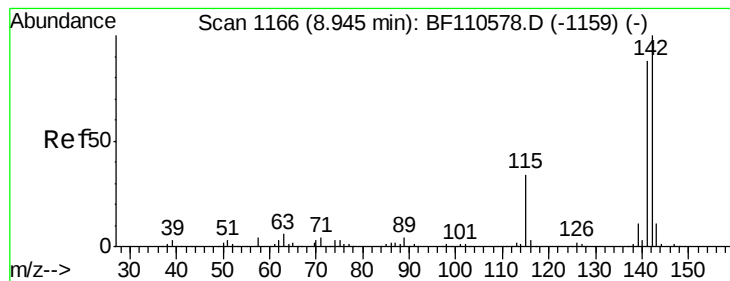
#33
4-Chloroaniline
Concen: 4.565 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.05 min
Lab File: BF110898.D
Acq: 20 Nov 2018 17:01

Tgt Ion:127 Resp: 21733
Ion Ratio Lower Upper
127 100
129 84.7 26.0 39.0#
65 3.2 25.1 37.7#
92 0.0 15.0 22.6#



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





#37

2-Methylnaphthalene

Concen: 5.207 ng

RT: 8.94 min Scan# 1165

Delta R.T. -0.01 min

Lab File: BF110898.D

Acq: 20 Nov 2018 17:01

Instrument :

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ClientSampleId :

SPLP-LEACHATE-AMENDED-WCC-

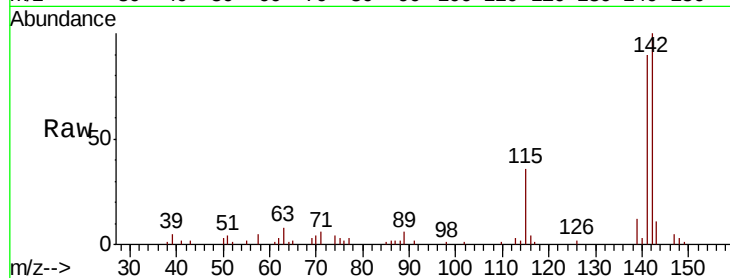
Tgt Ion:142 Resp: 35875

Ion Ratio Lower Upper

142 100

141 89.5 71.4 107.2

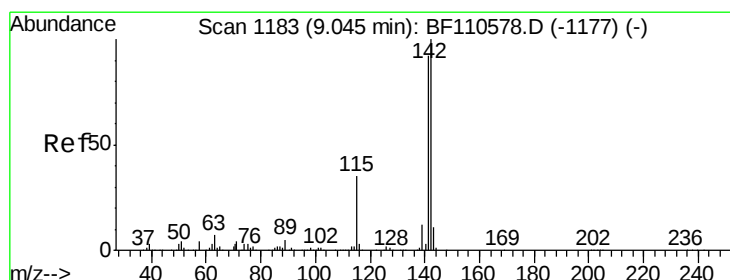
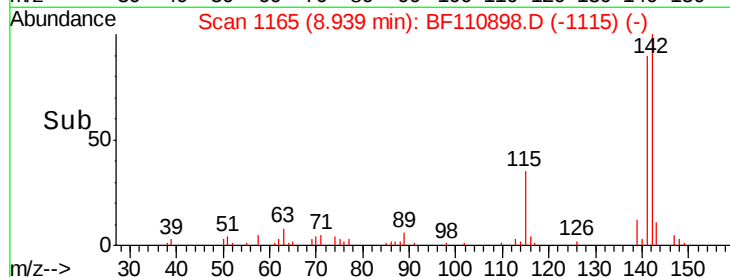
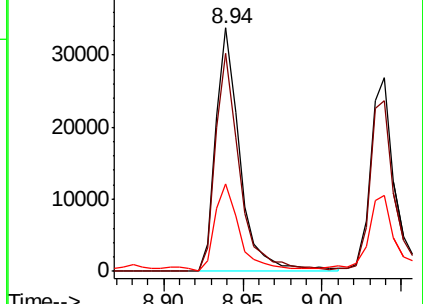
115 36.1 28.7 43.1



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: 4.447 ng

RT: 9.04 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BF110898.D

Acq: 20 Nov 2018 17:01

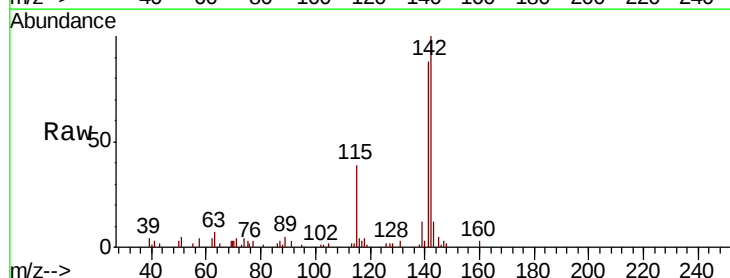
Tgt Ion:142 Resp: 29463

Ion Ratio Lower Upper

142 100

141 88.4 74.2 111.4

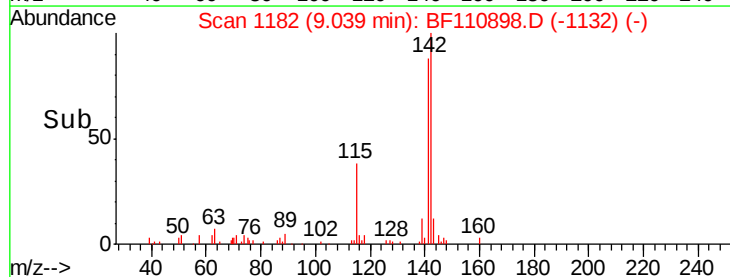
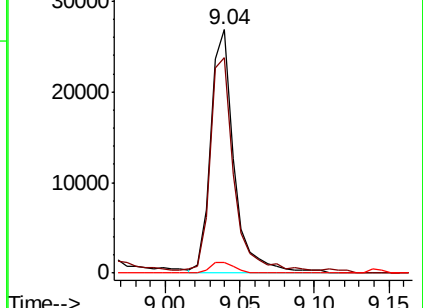
116 4.3 2.6 4.0#

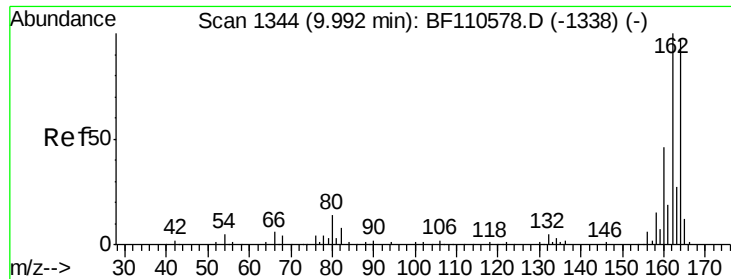


Abundance Ion 142.00 (141.70 to 142.70): E

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: 9.98 min Scan# 1342

Delta R.T. -0.01 min

Lab File: BF110898.D

Acq: 20 Nov 2018 17:01

Instrument :

BNA_F

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SPLP-LEACHATE-AMENDED-WCC-

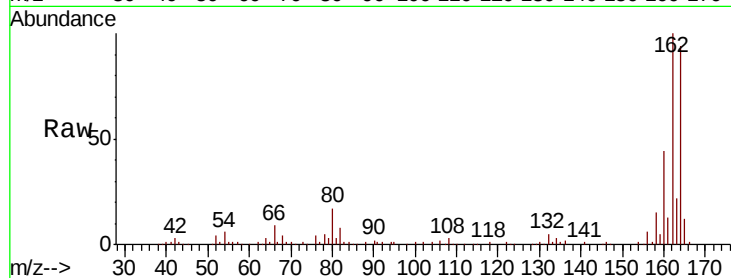
Tgt Ion:164 Resp: 103791

Ion Ratio Lower Upper

164 100

162 106.8 83.0 124.6

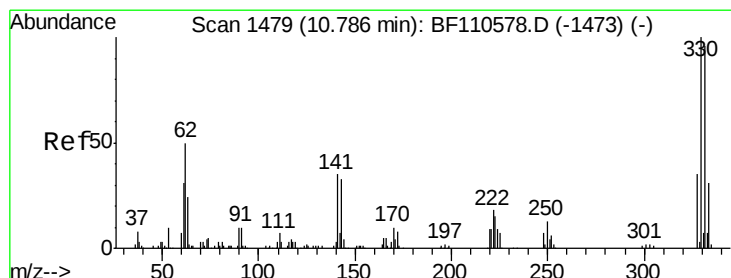
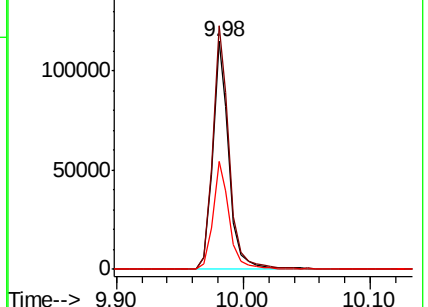
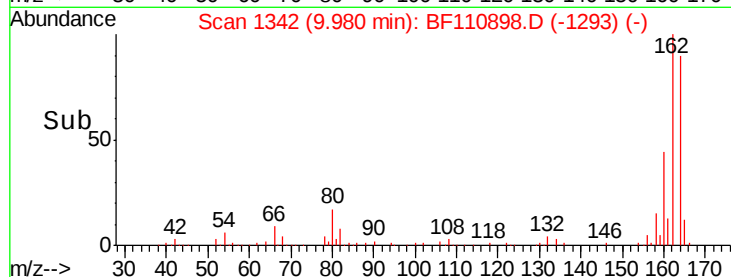
160 47.1 37.0 55.6



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



#42

2,4,6-Tribromophenol

Concen: 89.483 ng

RT: 10.78 min Scan# 1478

Delta R.T. -0.01 min

Lab File: BF110898.D

Acq: 20 Nov 2018 17:01

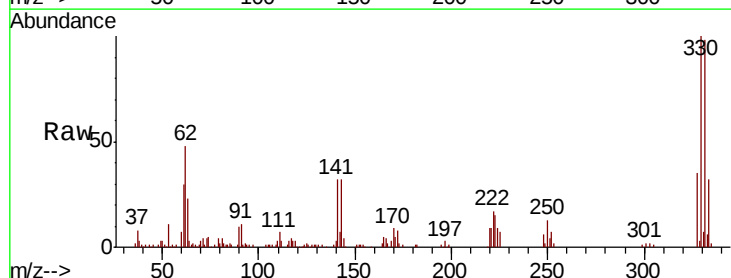
Tgt Ion:330 Resp: 93583

Ion Ratio Lower Upper

330 100

332 97.5 77.1 115.7

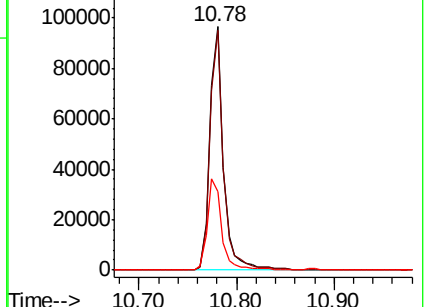
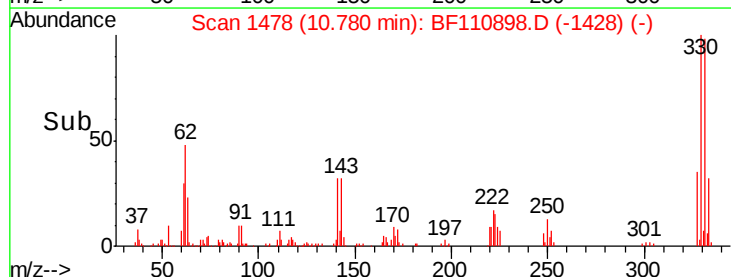
141 40.5 27.0 40.4#

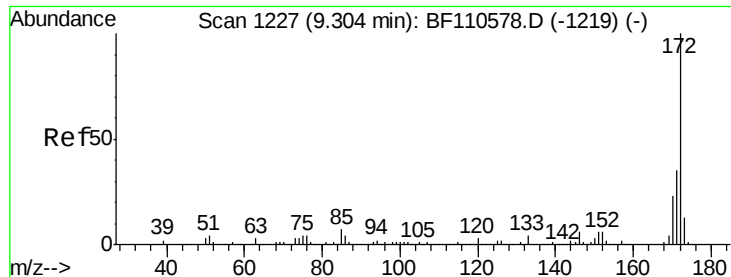


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

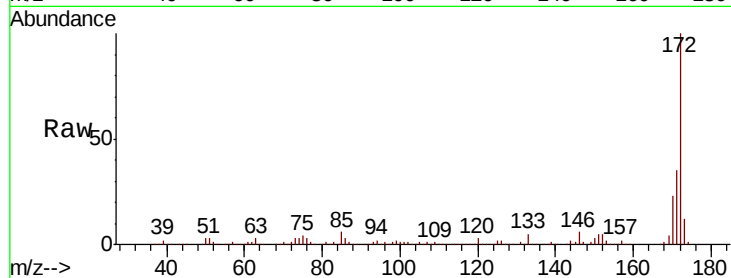




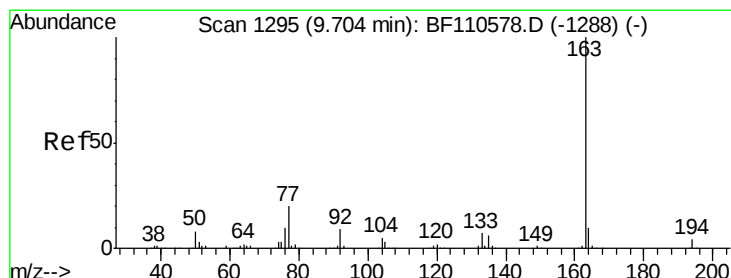
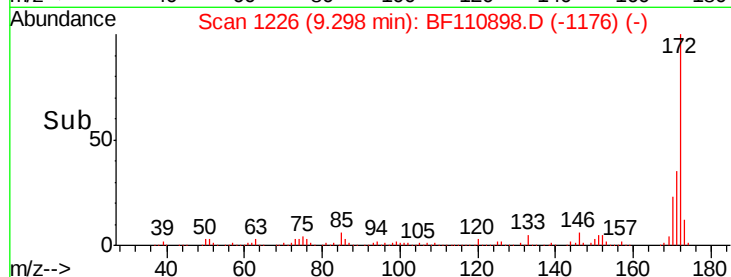
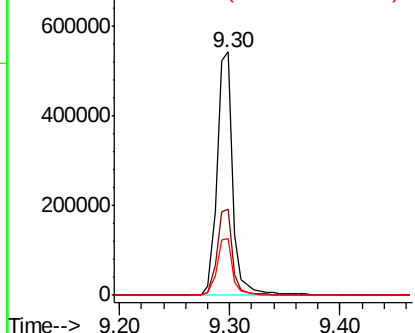
#45
2-Fluorobiphenyl
Concen: 74.044 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF110898.D
Acq: 20 Nov 2018 17:01

Instrument :
BNA_F
ClientSampleId :
SPLP-LEACHATE-AMENDED-WCC-

Tgt Ion:172 Resp: 538106
Ion Ratio Lower Upper
172 100
171 35.3 28.6 43.0
170 23.2 19.7 29.5

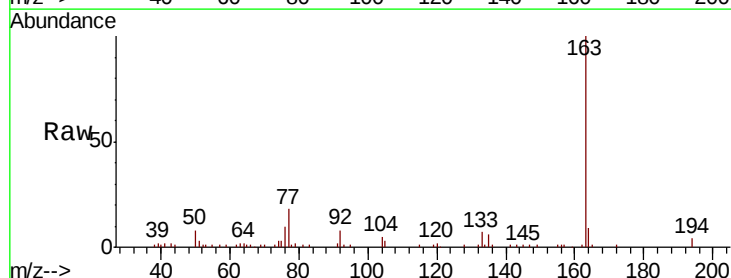


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

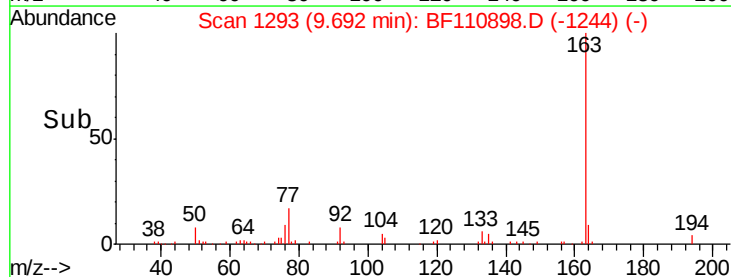
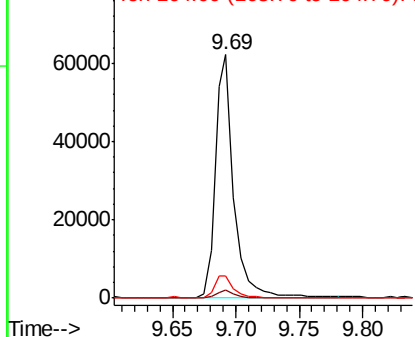


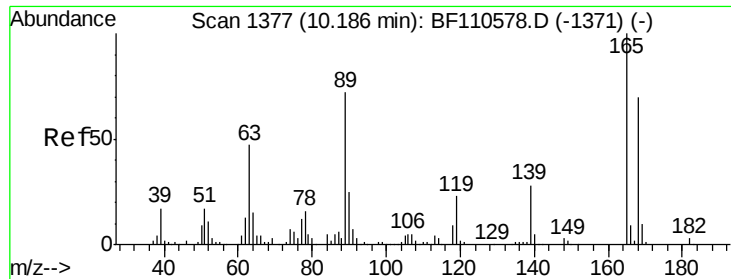
#50
Dimethylphthalate
Concen: 8.233 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110898.D
Acq: 20 Nov 2018 17:01

Tgt Ion:163 Resp: 63762
Ion Ratio Lower Upper
163 100
194 3.5 3.2 4.8
164 9.2 8.1 12.1



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

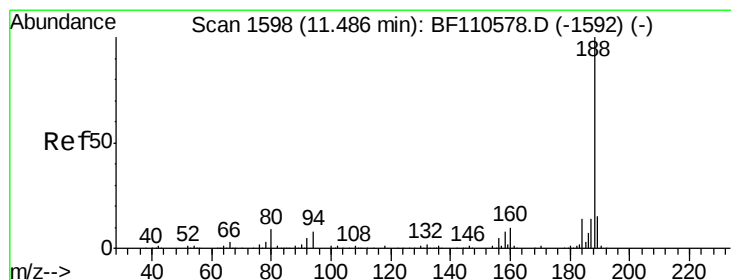
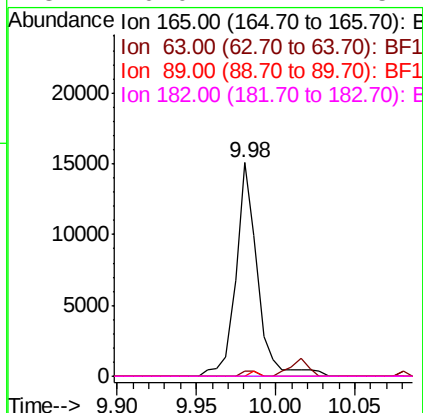
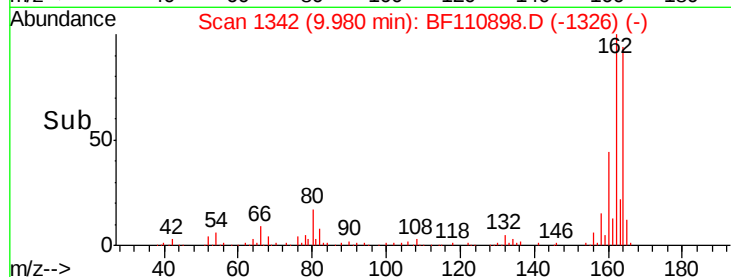
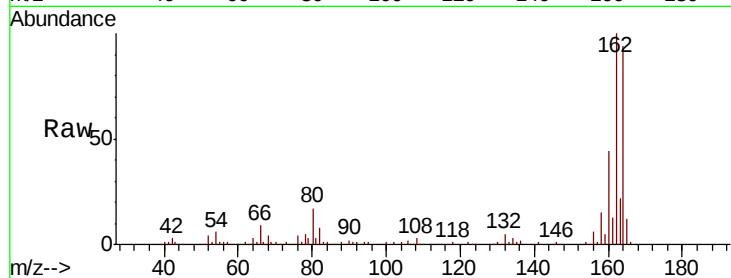




#57
2,4-Dinitrotoluene
Concen: 6.410 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.21 min
Lab File: BF110898.D
Acq: 20 Nov 2018 17:01

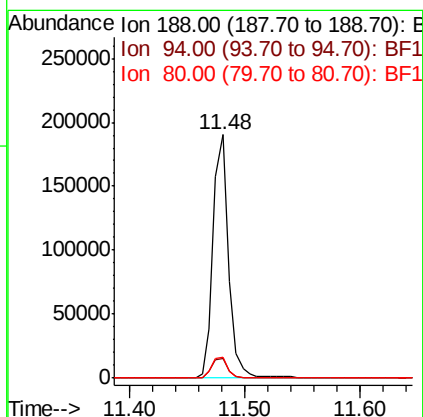
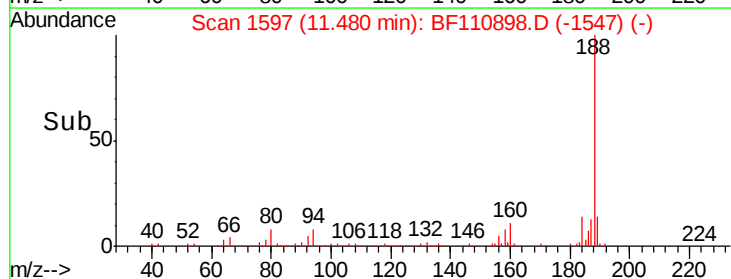
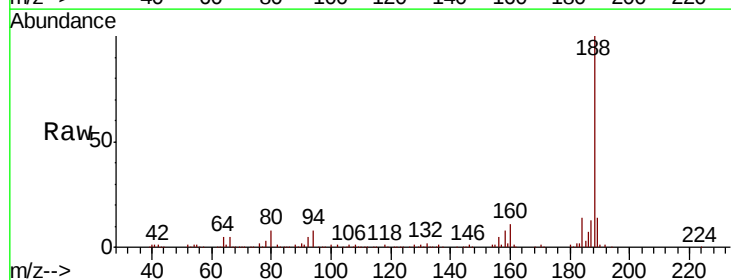
Instrument :
BNA_F
ClientSampleId :
SPLP-LEACHATE-AMENDED-WCC-

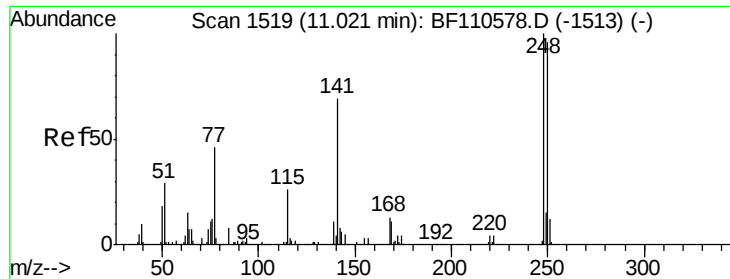
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.5	44.8	67.2#
89	0.0	62.2	93.4#
182	0.0	2.1	3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF110898.D
Acq: 20 Nov 2018 17:01

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	7.2	10.8
80	8.3	7.9	11.9

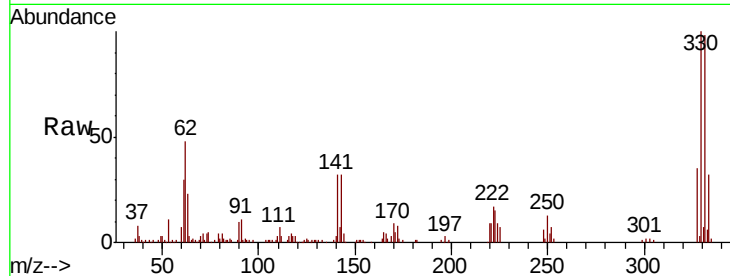




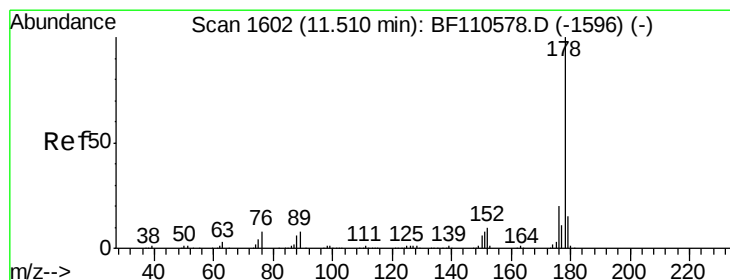
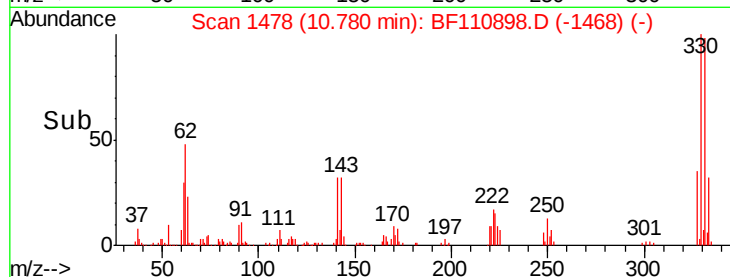
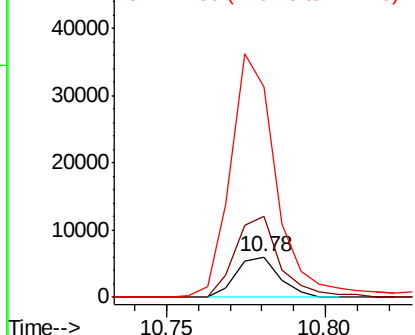
#67
 4-Bromophenyl-phenylether
 Concen: 2.915 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. -0.24 min
 Lab File: BF110898.D
 Acq: 20 Nov 2018 17:01

Instrument :
 BNA_F
 ClientSampleId :
 SPLP-LEACHATE-AMENDED-WCC-

Tgt Ion: 248 Resp: 5722
 Ion Ratio Lower Upper
 248 100
 250 201.9 79.4 119.2#
 141 521.2 55.9 83.9#

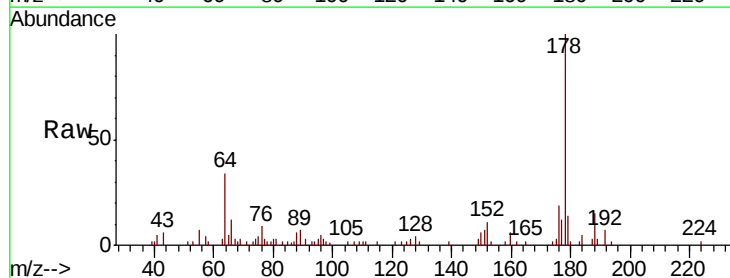


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

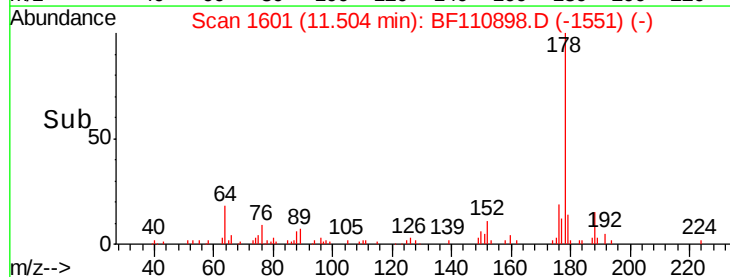
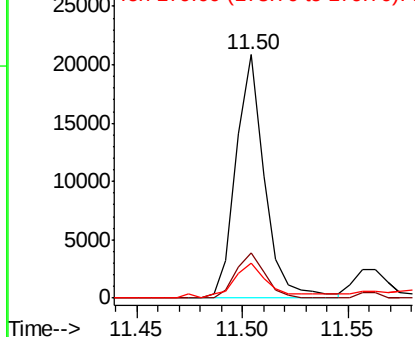


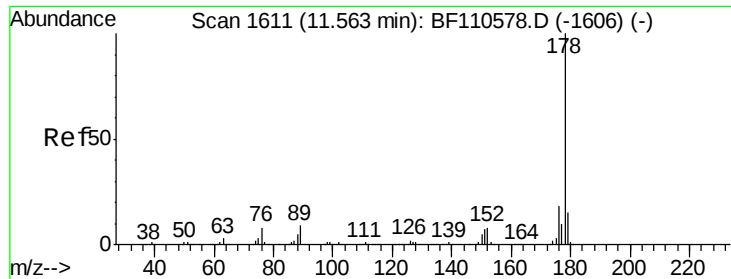
#71
 Phenanthrene
 Concen: 2.057 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.01 min
 Lab File: BF110898.D
 Acq: 20 Nov 2018 17:01

Tgt Ion: 178 Resp: 19577
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.5 23.3
 179 14.2 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

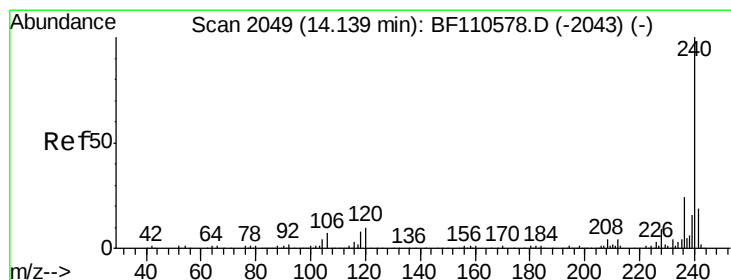
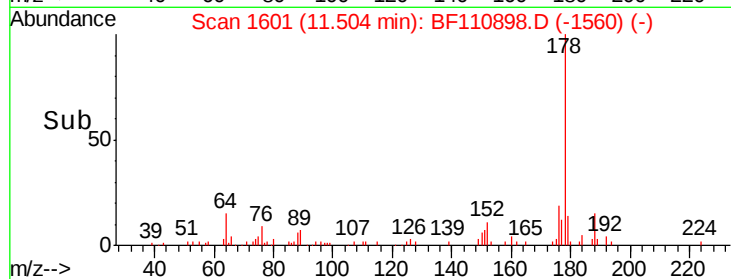
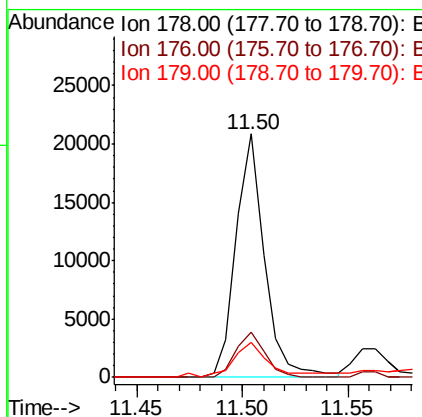
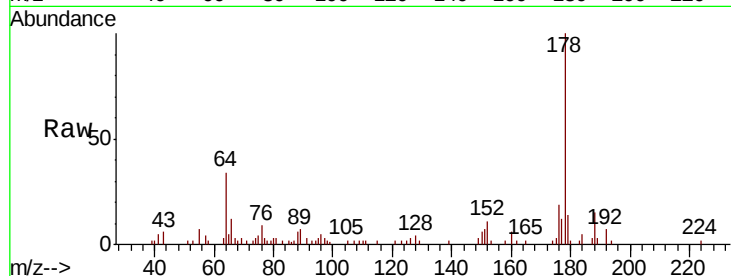




#72
 Anthracene
 Concen: 2.040 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.06 min
 Lab File: BF110898.D
 Acq: 20 Nov 2018 17:01

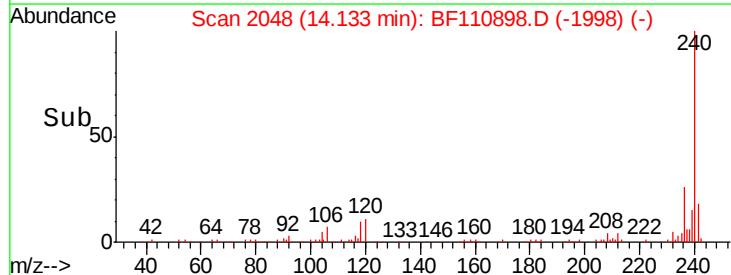
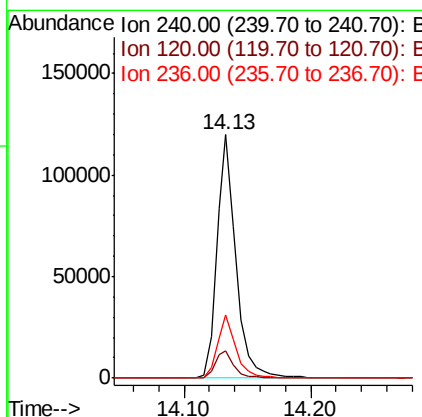
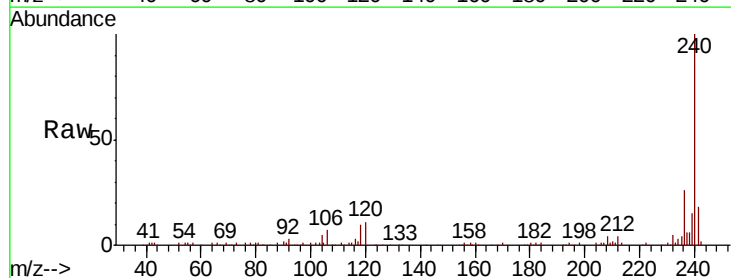
Instrument :
 BNA_F
 ClientSampleId :
 SPLP-LEACHATE-AMENDED-WCC-

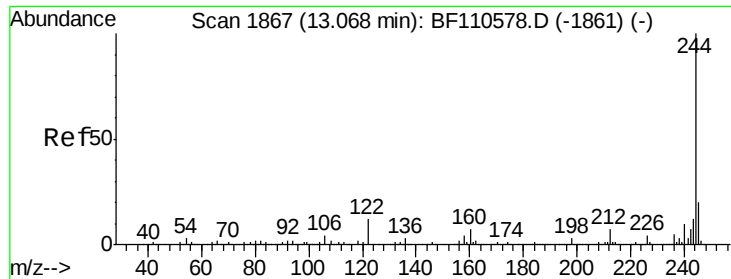
Tgt Ion:178 Resp: 19577
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.4 23.2
 179 14.2 12.6 18.8



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.13 min Scan# 2048
 Delta R.T. -0.01 min
 Lab File: BF110898.D
 Acq: 20 Nov 2018 17:01

Tgt Ion:240 Resp: 125651
 Ion Ratio Lower Upper
 240 100
 120 11.2 8.3 12.5
 236 25.7 21.2 31.8





#79

Terphenyl-d14

Concen: 58.112 ng

RT: 13.06 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BF110898.D

Acq: 20 Nov 2018 17:01

Instrument :

BNA_F

ClientSampleId :

SPLP-LEACHATE-AMENDED-WCC-

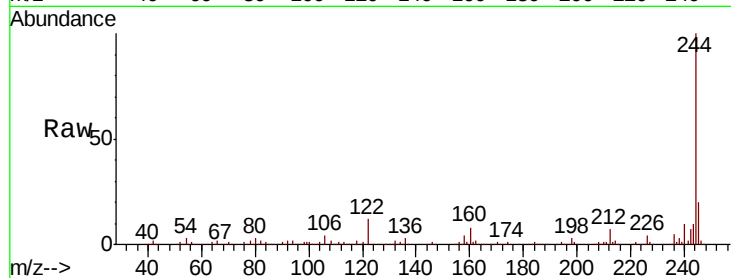
Tgt Ion:244 Resp: 389893

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

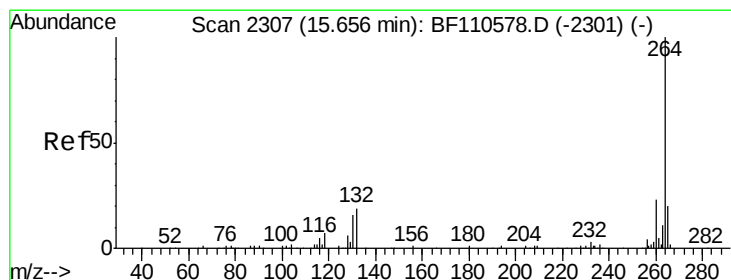
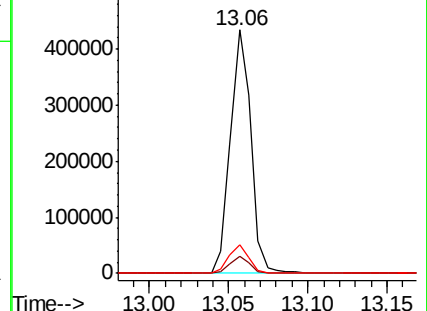
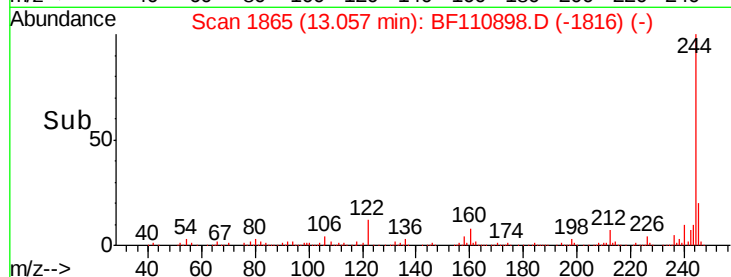
122 11.7 8.7 13.1



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2309

Delta R.T. 0.01 min

Lab File: BF110898.D

Acq: 20 Nov 2018 17:01

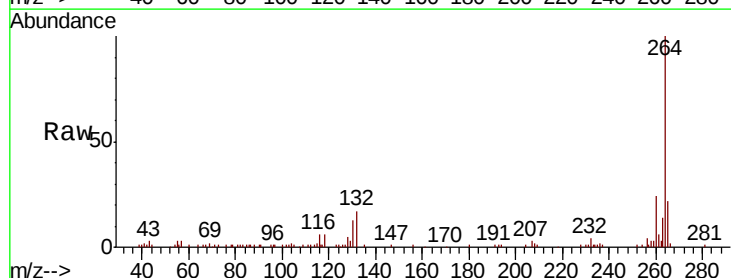
Tgt Ion:264 Resp: 109583

Ion Ratio Lower Upper

264 100

260 24.3 18.7 28.1

265 21.6 16.7 25.1



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

