

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111918\
 Data File : BF110865.D
 Acq On : 19 Nov 2018 20:42
 Operator : JU/SJ
 Sample : J5993-06
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20180930-AMENDED-WCC-3-COMP

Quant Time: Nov 20 00:36:55 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	70092	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	277969	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	119300	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	185198	20.00	ng	0.00
76) Chrysene-d12	14.14	240	148399	20.00	ng	0.00
87) Perylene-d12	15.67	264	100900	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	324492	75.20	ng	0.00
7) Phenol-d6	6.57	99	523864	94.94	ng	0.00
23) Nitrobenzene-d5	7.51	82	330762	68.53	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	69126	57.50	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	578767	69.29	ng	0.00
79) Terphenyl-d14	13.06	244	455477	57.48	ng	0.00

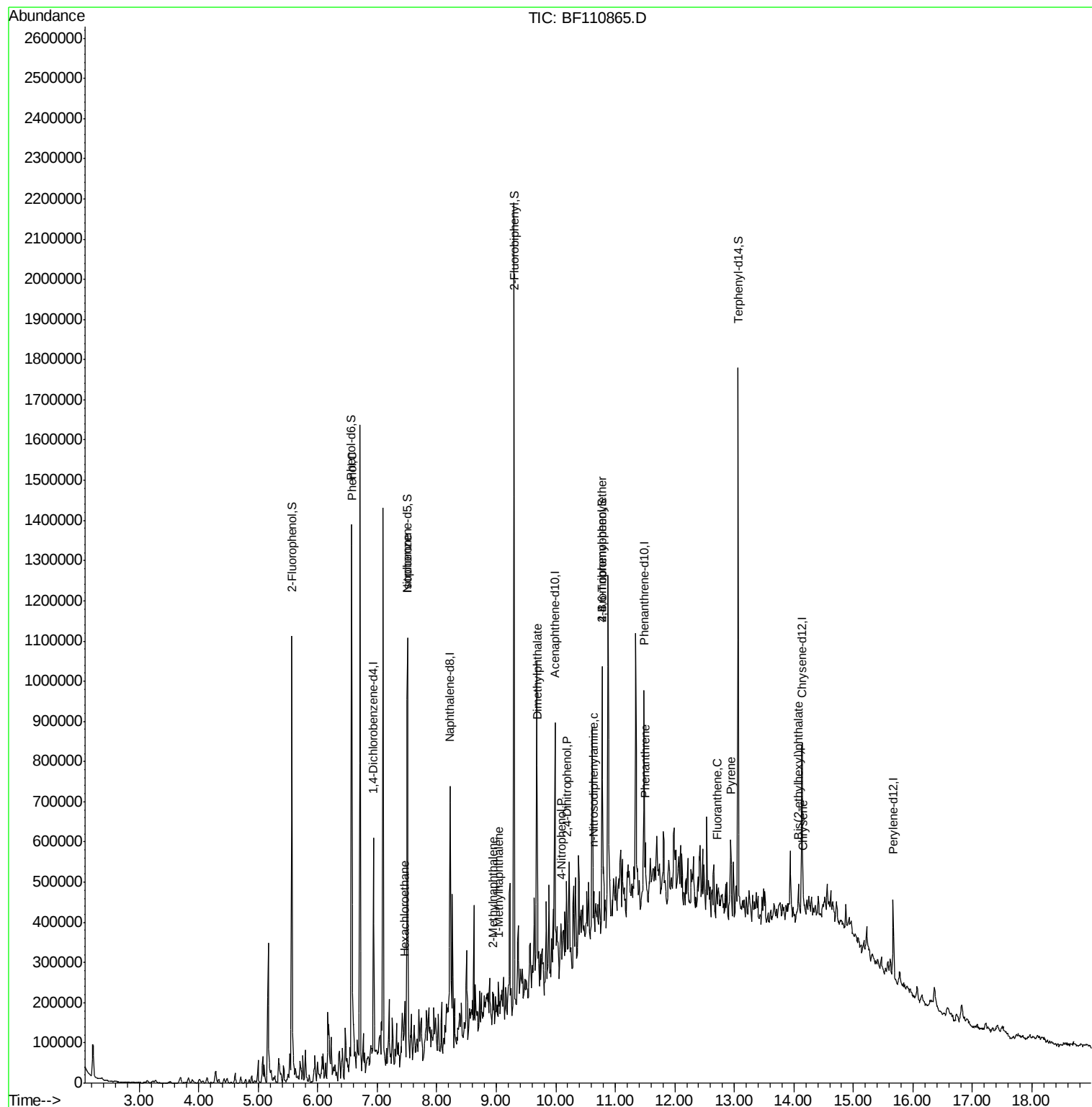
Target Compounds				Qvalue		
9) Benzaldehyde	6.49	77	1830	Below Cal	#	1
10) Phenol	6.58	94	26957	4.213 ng		86
18) Hexachloroethane	7.47	117	4420	2.130 ng	#	1
25) Isophorone	7.51	82	324653	41.038 ng	#	67
37) 2-Methylnaphthalene	8.94	142	23769	2.779 ng		98
38) 1-Methylnaphthalene	9.04	142	21927	2.665 ng	#	98
50) Dimethylphthalate	9.69	163	45613	5.124 ng	#	98
54) 2,4-Dinitrophenol	10.17	184	129	4.857 ng	#	1
56) 4-Nitrophenol	10.09	139	3681	2.446 ng	#	35
66) n-Nitrosodiphenylamine	10.64	169	19665	3.150 ng	#	41
67) 4-Bromophenyl-phenylether	10.78	248	4550	2.223 ng	#	1
71) Phenanthrene	11.50	178	40411	4.073 ng	#	92
75) Fluoranthene	12.70	202	25893	2.603 ng		93
78) Pyrene	12.94	202	43644	3.820 ng	#	87
83) Chrysene	14.16	228	17084	2.022 ng	#	72
84) Bis(2-ethylhexyl)phthalate	14.07	149	22047	3.614 ng	#	96

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

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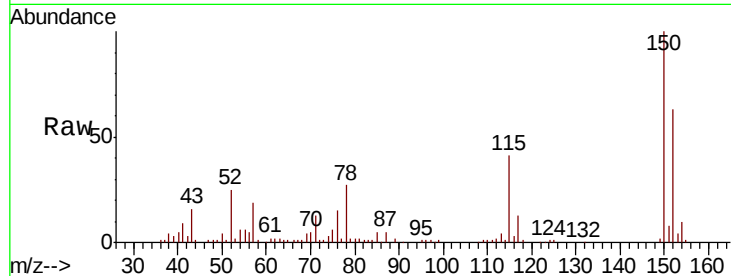




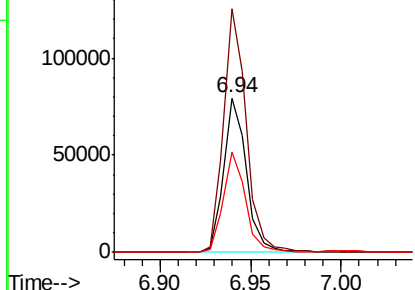
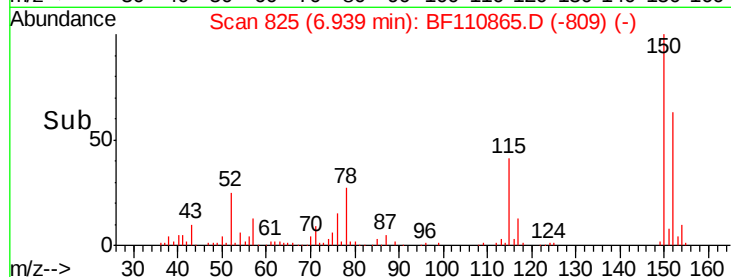
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.94 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: BF110865.D
 Acq: 19 Nov 2018 20:42

Instrument :
 BNA_F
 ClientSampleId :
 20180930-AMENDED-WCC-3-COMP

Tgt Ion:152 Resp: 70092
 Ion Ratio Lower Upper
 152 100
 150 157.6 122.7 184.1
 115 64.9 49.1 73.7

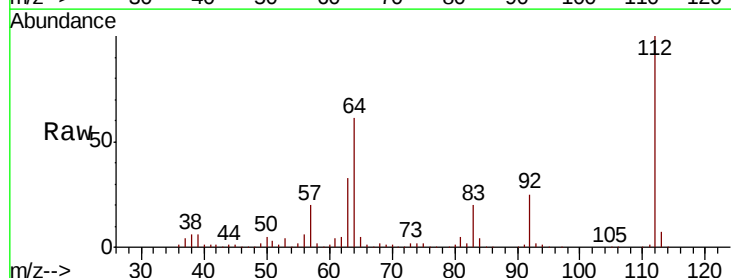


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

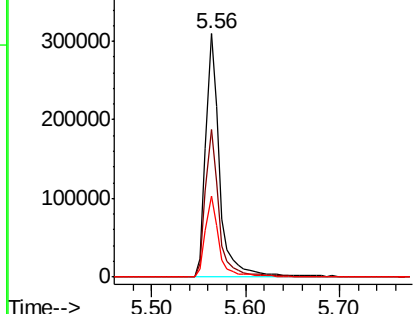
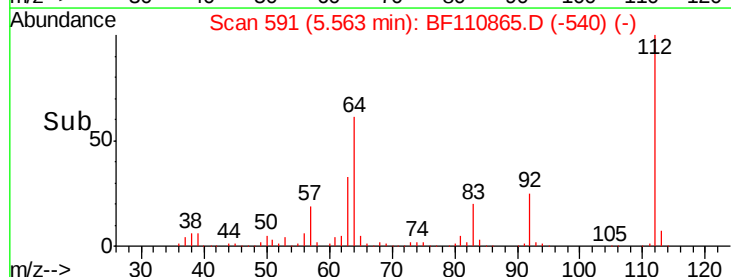


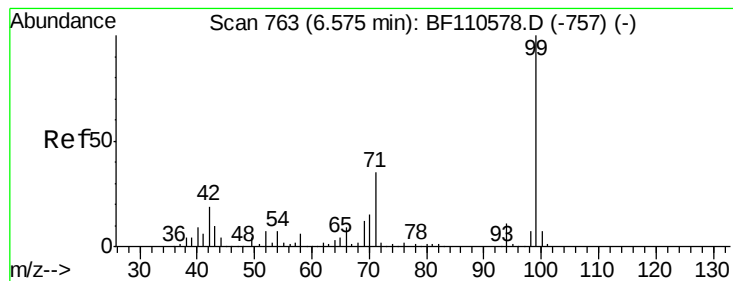
#5
 2-Fluorophenol
 Concen: 75.198 ng
 RT: 5.56 min Scan# 591
 Delta R.T. 0.00 min
 Lab File: BF110865.D
 Acq: 19 Nov 2018 20:42

Tgt Ion:112 Resp: 324492
 Ion Ratio Lower Upper
 112 100
 64 60.7 44.1 66.1
 63 33.1 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: 94.936 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110865.D

Acq: 19 Nov 2018 20:42

Instrument :

BNA_F

ClientSampleId :

20180930-AMENDED-WCC-3-COMP

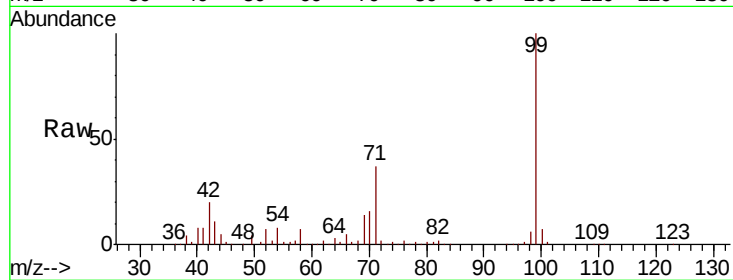
Tgt Ion: 99 Resp: 523864

Ion Ratio Lower Upper

99 100

42 20.5 15.8 23.6

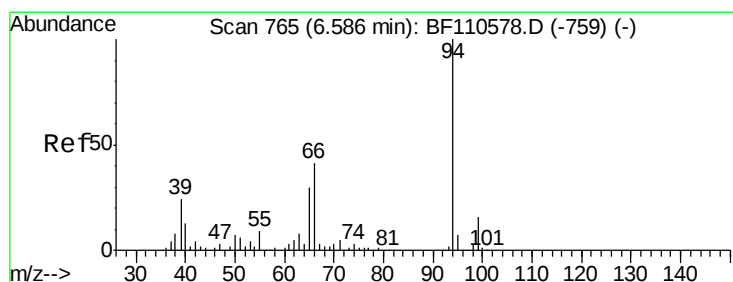
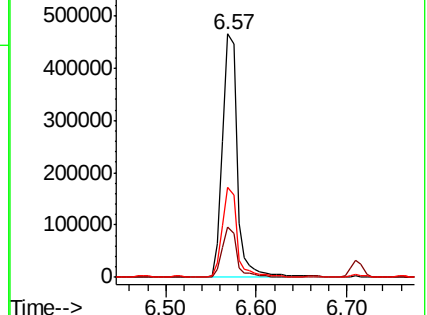
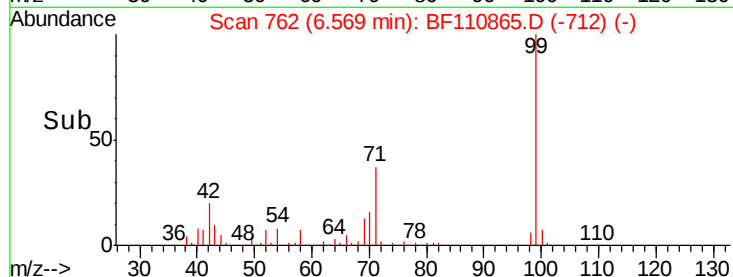
71 37.1 28.0 42.0



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



#10

Phenol

Concen: 4.213 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110865.D

Acq: 19 Nov 2018 20:42

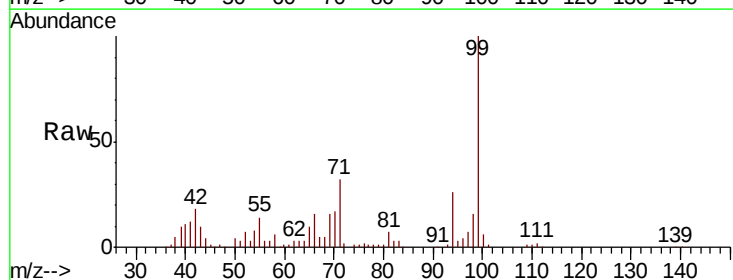
Tgt Ion: 94 Resp: 26957

Ion Ratio Lower Upper

94 100

65 38.1 25.3 65.3

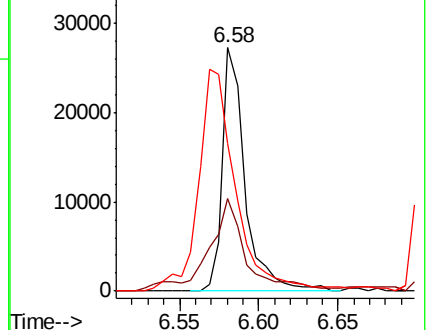
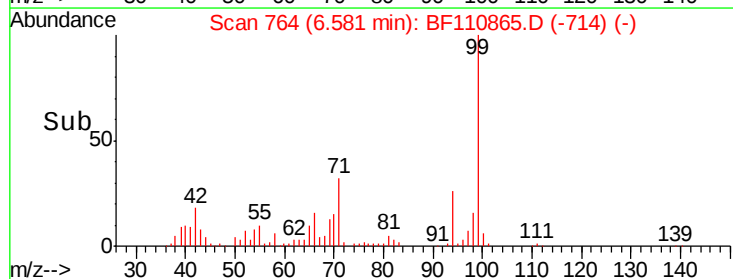
66 60.7 54.5 94.5

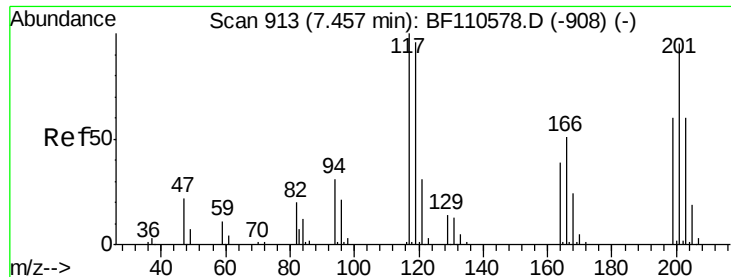


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

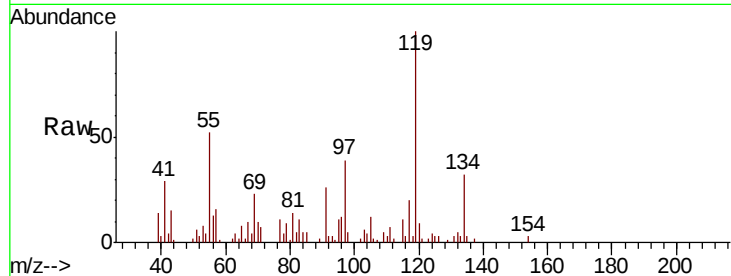




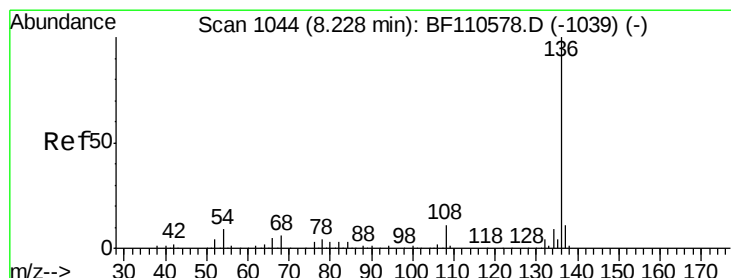
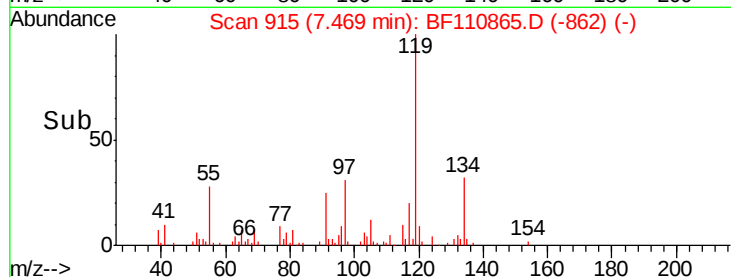
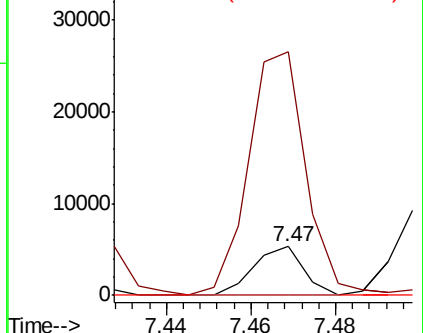
#18
Hexachloroethane
Concen: 2.130 ng
RT: 7.47 min Scan# 915
Delta R.T. 0.01 min
Lab File: BF110865.D
Acq: 19 Nov 2018 20:42

Instrument :
BNA_F
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20180930-AMENDED-WCC-3-COMP

Tgt Ion:117 Resp: 4420
Ion Ratio Lower Upper
117 100
119 501.7 75.0 112.6#
201 0.0 79.2 118.8#

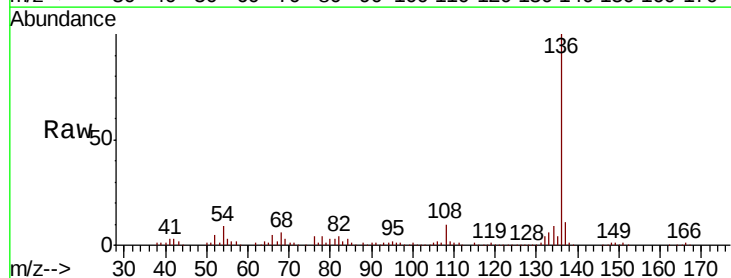


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

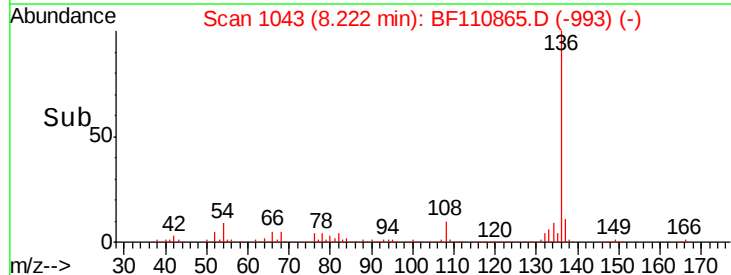
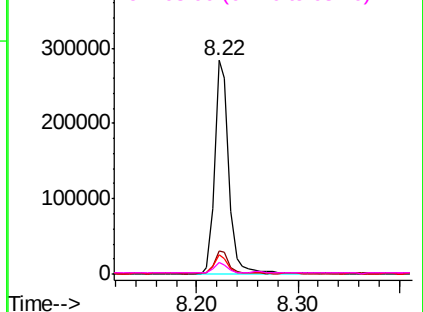


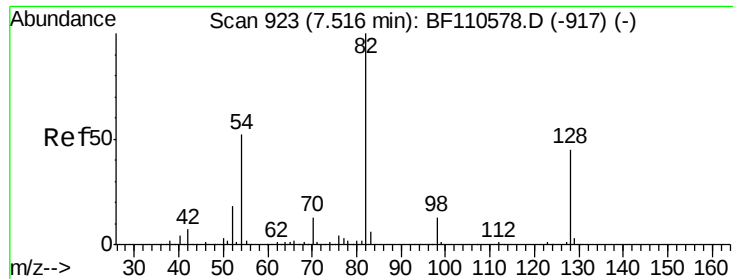
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF110865.D
Acq: 19 Nov 2018 20:42

Tgt Ion:136 Resp: 277969
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.8 5.4 8.2#
68 5.6 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

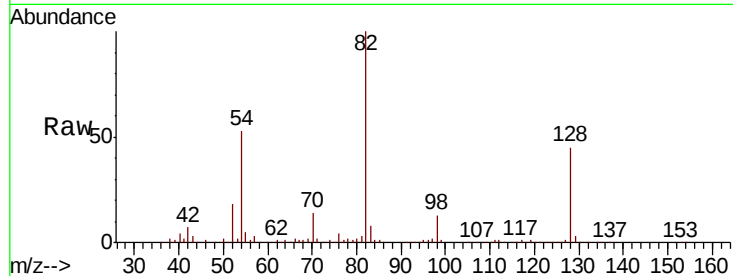




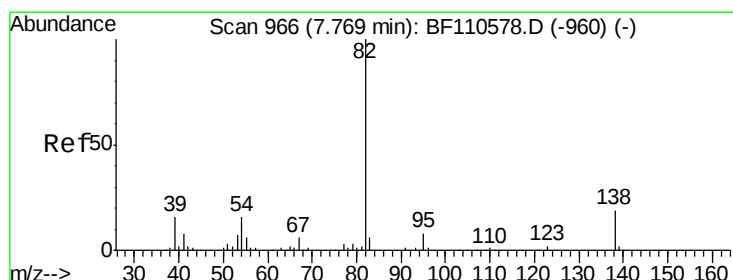
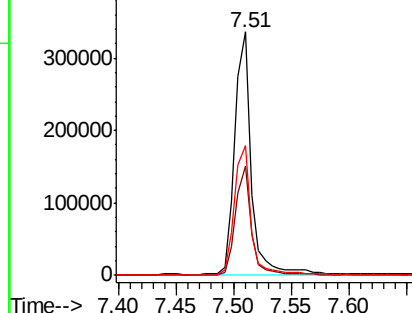
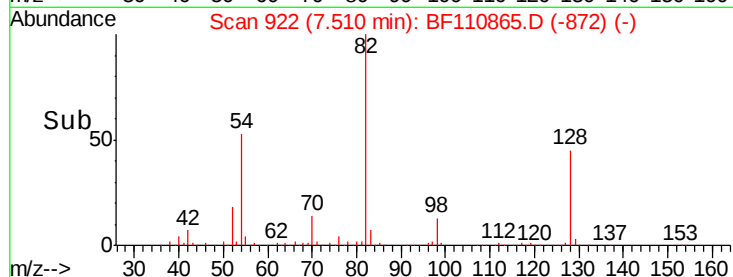
#23
Nitrobenzene-d5
Concen: 68.527 ng
RT: 7.51 min Scan# 922
Delta R.T. -0.01 min
Lab File: BF110865.D
Acq: 19 Nov 2018 20:42

Instrument :
BNA_F
ClientSampleId :
20180930-AMENDED-WCC-3-COMP

Tgt Ion: 82 Resp: 330762
Ion Ratio Lower Upper
82 100
128 44.9 34.2 51.2
54 53.3 38.6 58.0

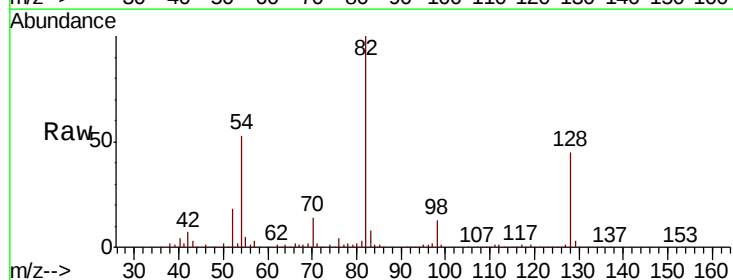


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

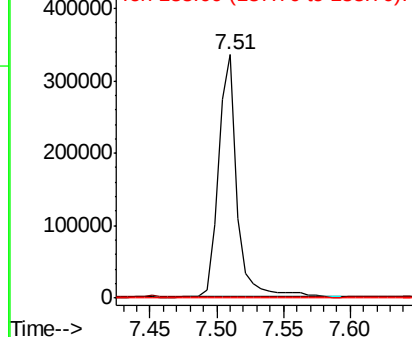
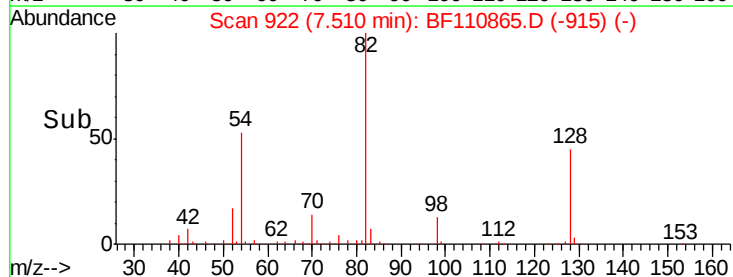


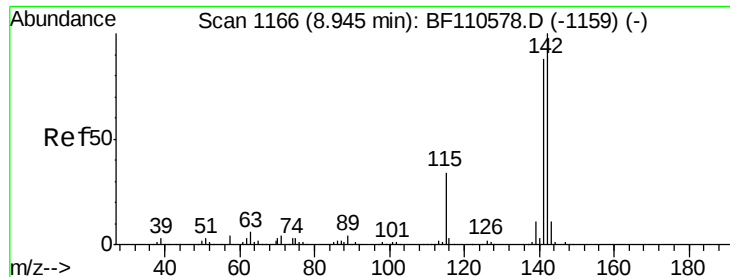
#25
Isophorone
Concen: 41.038 ng
RT: 7.51 min Scan# 922
Delta R.T. -0.26 min
Lab File: BF110865.D
Acq: 19 Nov 2018 20:42

Tgt Ion: 82 Resp: 324653
Ion Ratio Lower Upper
82 100
95 0.6 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

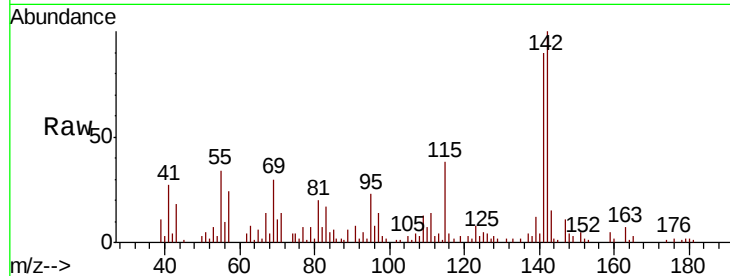




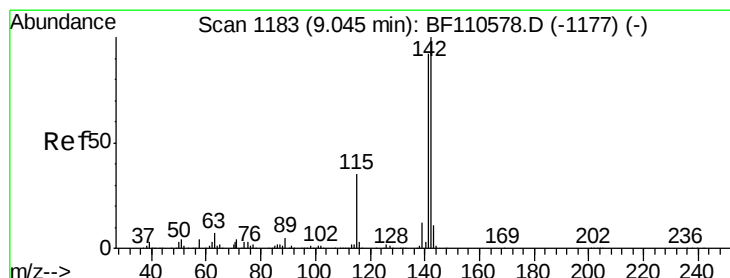
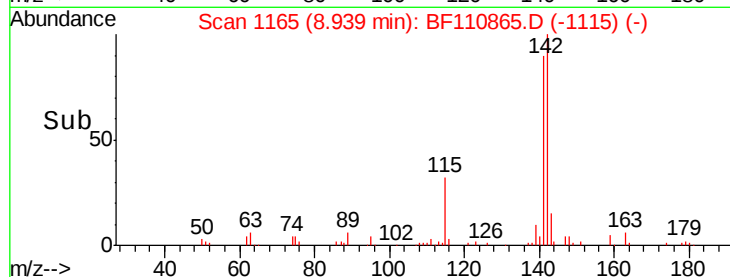
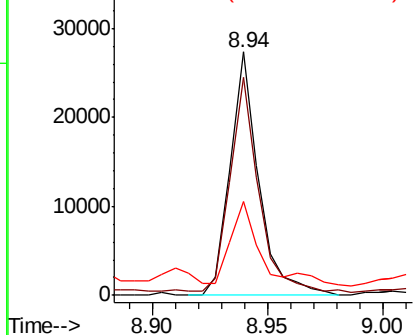
#37
 2-Methylnaphthalene
 Concen: 2.779 ng
 RT: 8.94 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: BF110865.D
 Acq: 19 Nov 2018 20:42

Instrument :
 BNA_F
 ClientSampleId :
 20180930-AMENDED-WCC-3-COMP

Tgt Ion:	142	Resp:	23769
Ion	Ratio	Lower	Upper
142	100		
141	89.8	71.4	107.2
115	38.4	28.7	43.1

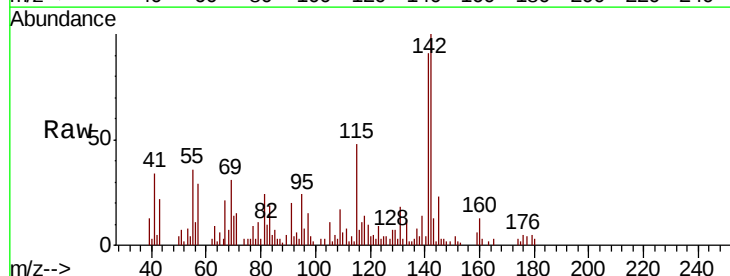


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

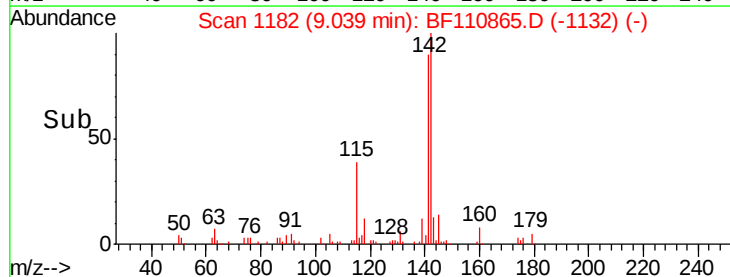
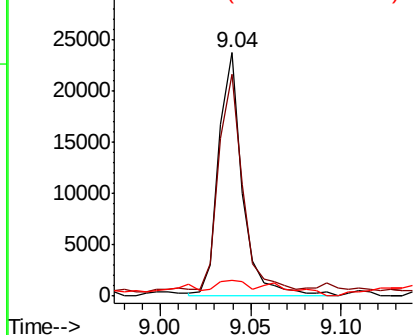


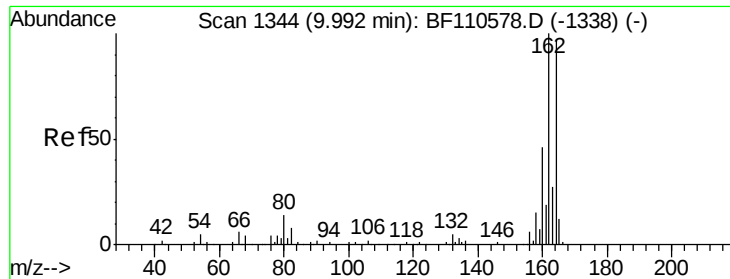
#38
 1-Methylnaphthalene
 Concen: 2.665 ng
 RT: 9.04 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: BF110865.D
 Acq: 19 Nov 2018 20:42

Tgt Ion:	142	Resp:	21927
Ion	Ratio	Lower	Upper
142	100		
141	91.3	74.2	111.4
116	6.7	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

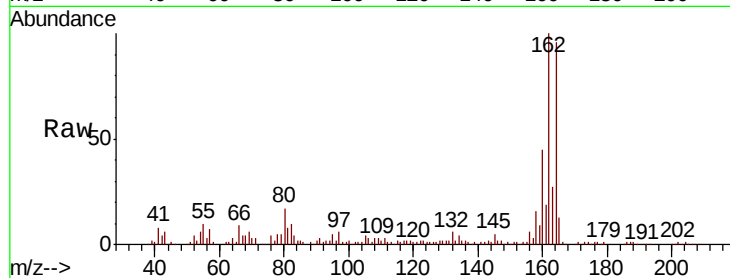




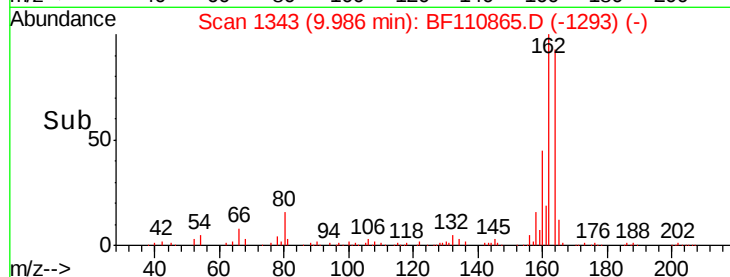
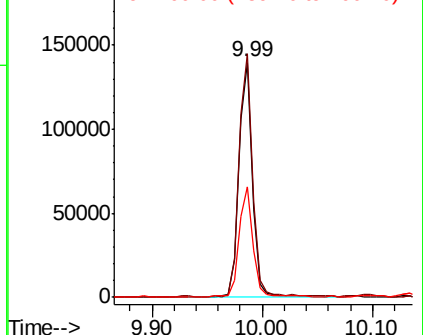
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF110865.D
Acq: 19 Nov 2018 20:42

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:164 Resp: 119300
Ion Ratio Lower Upper
164 100
162 103.8 83.0 124.6
160 47.0 37.0 55.6

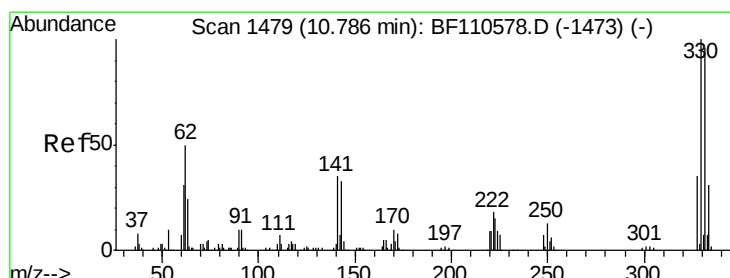


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

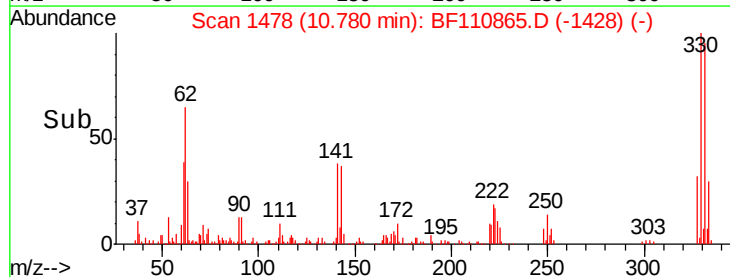
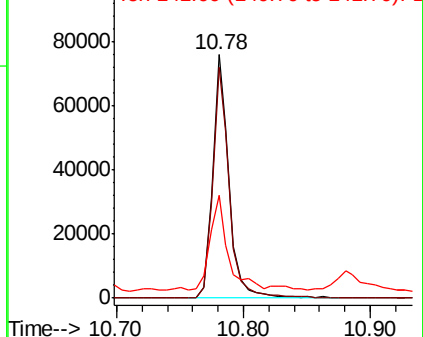


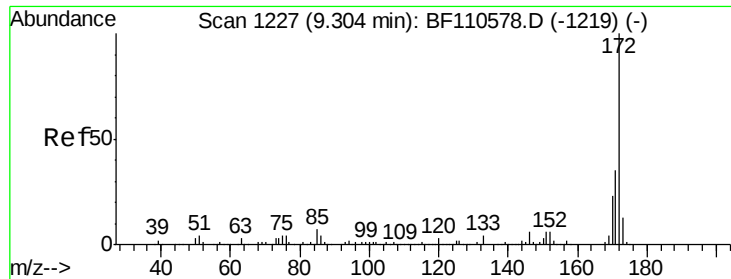
#42
2,4,6-Tribromophenol
Concen: 57.505 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.01 min
Lab File: BF110865.D
Acq: 19 Nov 2018 20:42

Tgt Ion:330 Resp: 69126
Ion Ratio Lower Upper
330 100
332 95.9 77.1 115.7
141 41.4 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

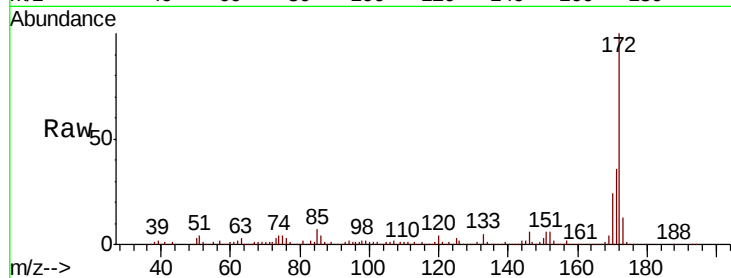




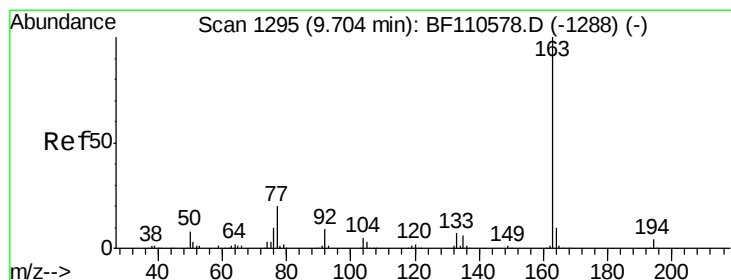
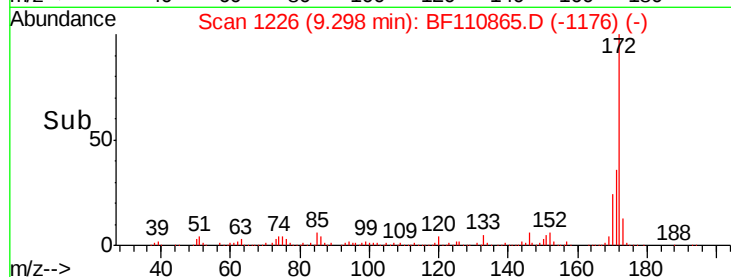
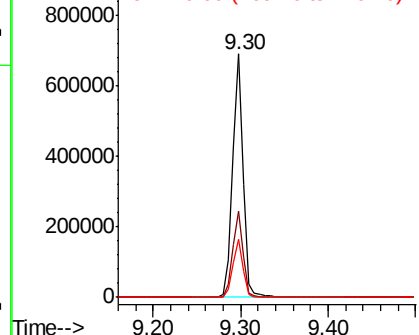
#45
2-Fluorobiphenyl
Concen: 69.286 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF110865.D
Acq: 19 Nov 2018 20:42

Instrument :
BNA_F
ClientSampleId :
20180930-AMENDED-WCC-3-COMP

Tgt Ion:172 Resp: 578767
Ion Ratio Lower Upper
172 100
171 35.5 28.6 43.0
170 24.1 19.7 29.5

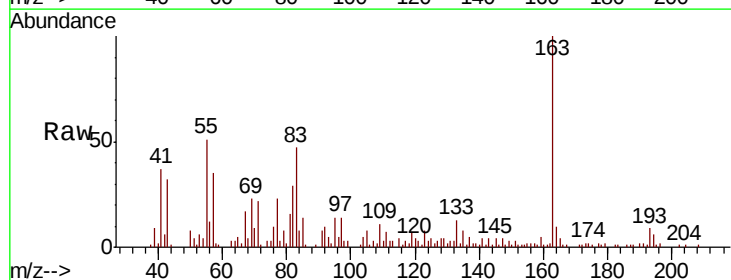


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

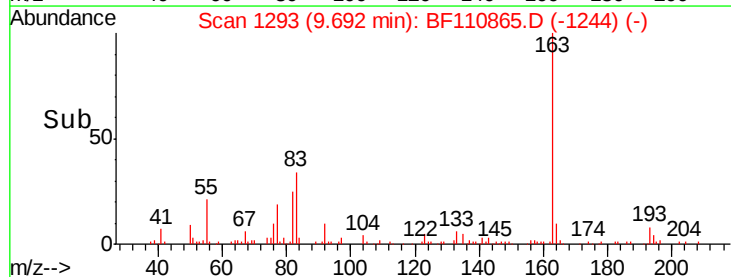
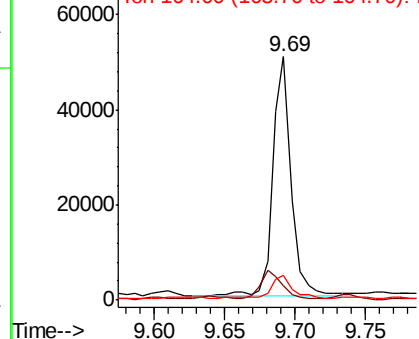


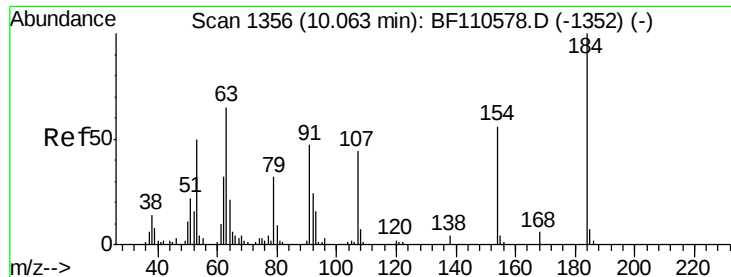
#50
Dimethylphthalate
Concen: 5.124 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110865.D
Acq: 19 Nov 2018 20:42

Tgt Ion:163 Resp: 45613
Ion Ratio Lower Upper
163 100
194 5.8 3.2 4.8#
164 10.4 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

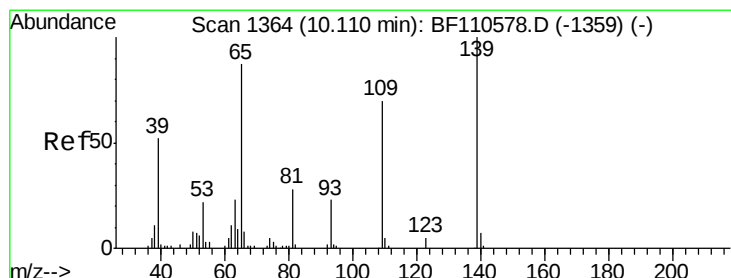
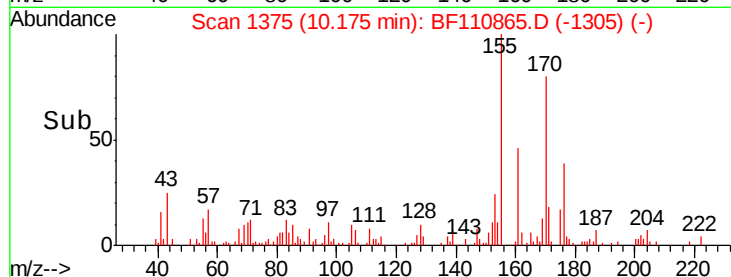
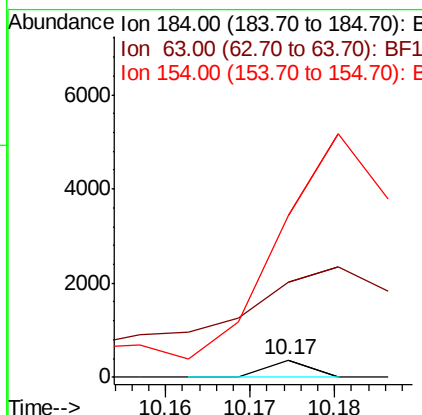
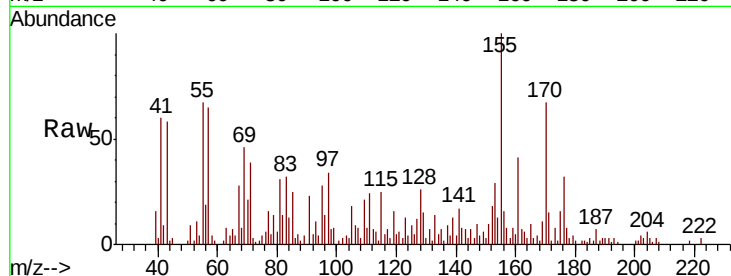




#54
 2,4-Dinitrophenol
 Concen: 4.857 ng
 RT: 10.17 min Scan# 1375
 Delta R.T. 0.11 min
 Lab File: BF110865.D
 Acq: 19 Nov 2018 20:42

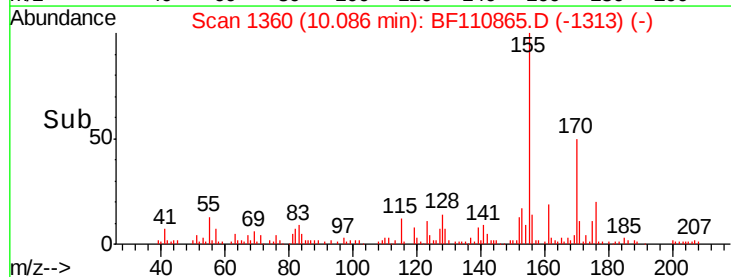
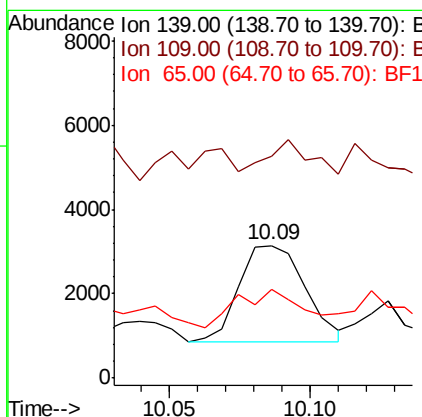
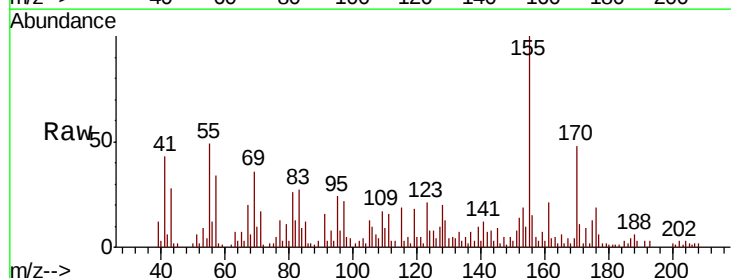
Instrument :
 BNA_F
 ClientSampleId :
 20180930-AMENDED-WCC-3-COMP

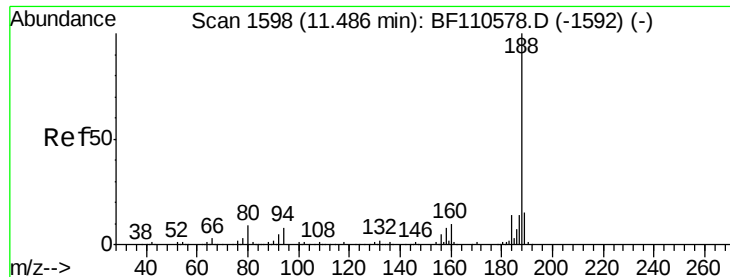
Tgt Ion:184 Resp: 129
 Ion Ratio Lower Upper
 184 100
 63 554.9 55.8 83.6#
 154 935.0 63.2 94.8#



#56
 4-Nitrophenol
 Concen: 2.446 ng
 RT: 10.09 min Scan# 1360
 Delta R.T. -0.02 min
 Lab File: BF110865.D
 Acq: 19 Nov 2018 20:42

Tgt Ion:139 Resp: 3681
 Ion Ratio Lower Upper
 139 100
 109 167.9 55.8 95.8#
 65 66.6 77.9 117.9#

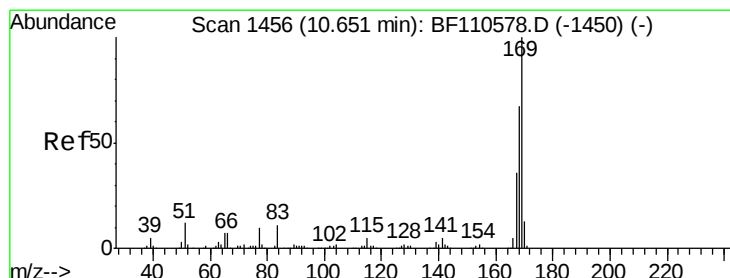
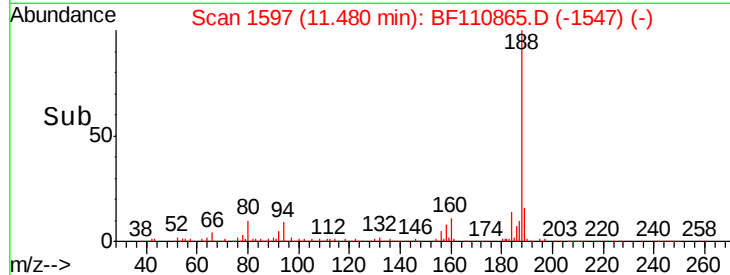
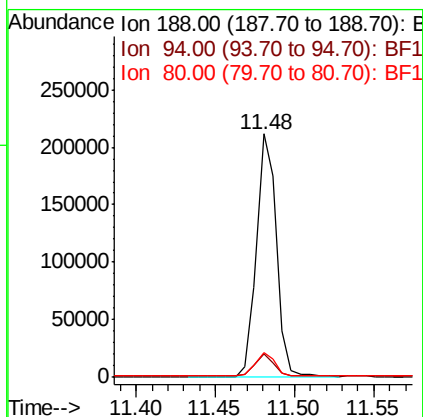
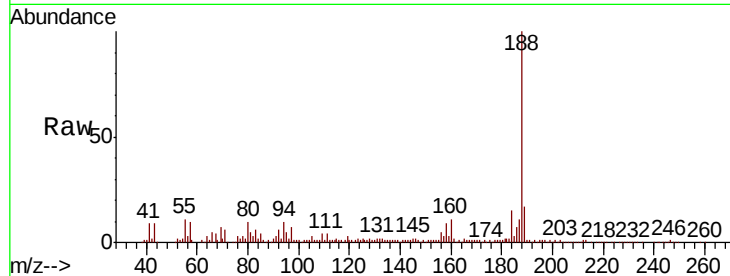




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF110865.D
Acq: 19 Nov 2018 20:42

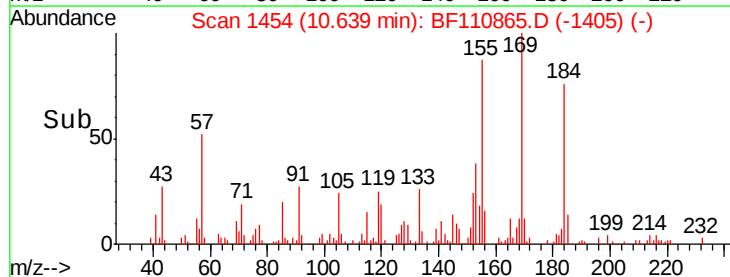
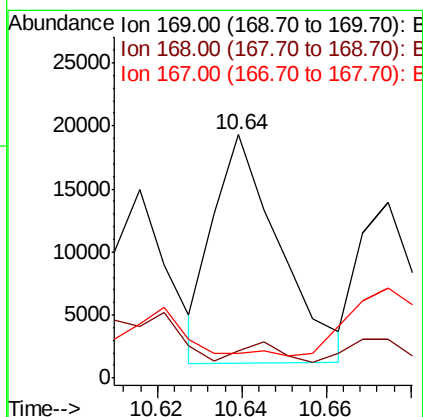
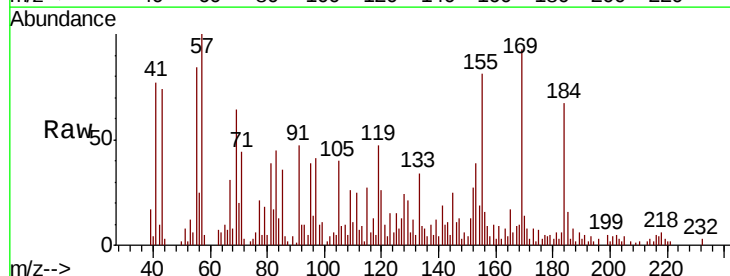
Instrument :
BNA_F
ClientSampleId :
20180930-AMENDED-WCC-3-COMP

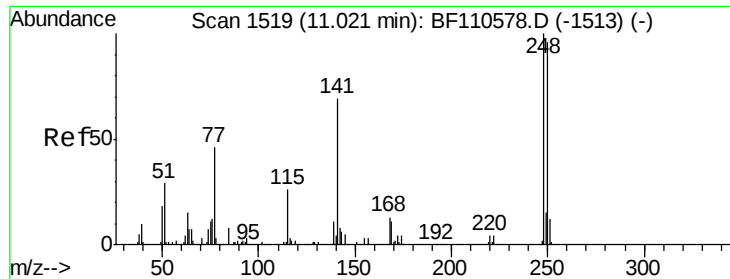
Tgt Ion:188 Resp: 185198
Ion Ratio Lower Upper
188 100
94 9.7 7.2 10.8
80 10.4 7.9 11.9



#66
n-Nitrosodiphenylamine
Concen: 3.150 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF110865.D
Acq: 19 Nov 2018 20:42

Tgt Ion:169 Resp: 19665
Ion Ratio Lower Upper
169 100
168 11.0 51.2 76.8#
167 10.0 27.8 41.6#

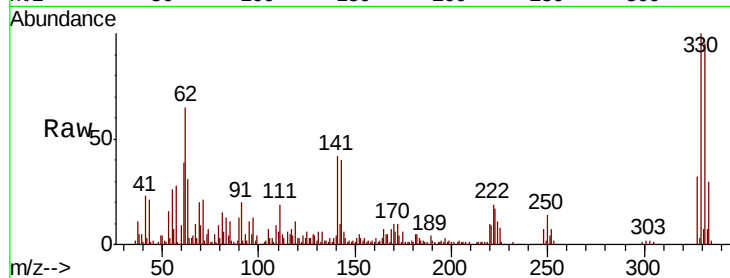




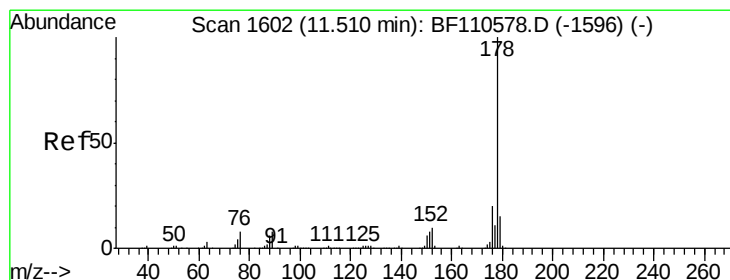
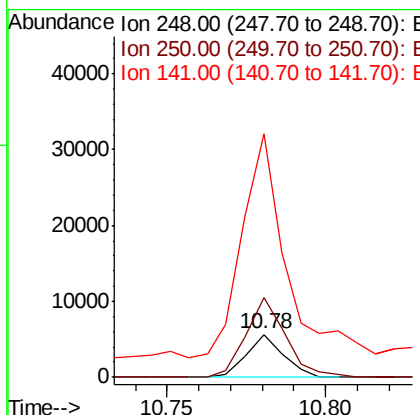
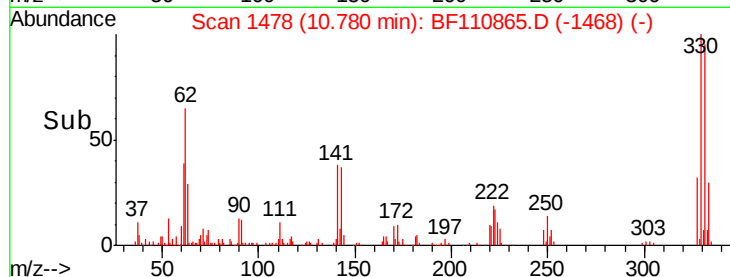
#67
 4-Bromophenyl-phenylether
 Concen: 2.223 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. -0.24 min
 Lab File: BF110865.D
 Acq: 19 Nov 2018 20:42

Instrument :
 BNA_F
 ClientSampleId :
 20180930-AMENDED-WCC-3-COMP

Tgt Ion:248 Resp: 4550
 Ion Ratio Lower Upper
 248 100
 250 187.7 79.4 119.2#
 141 569.3 55.9 83.9#

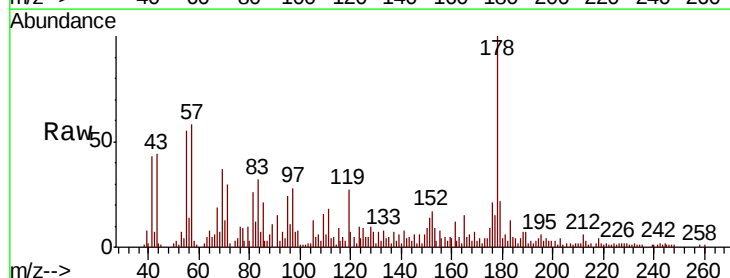


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

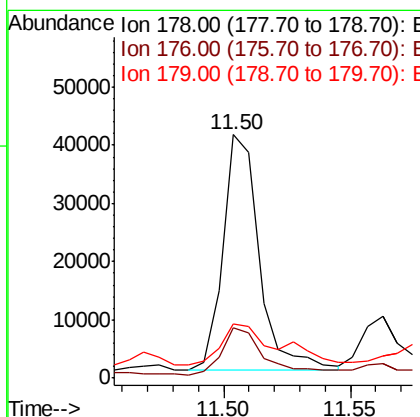
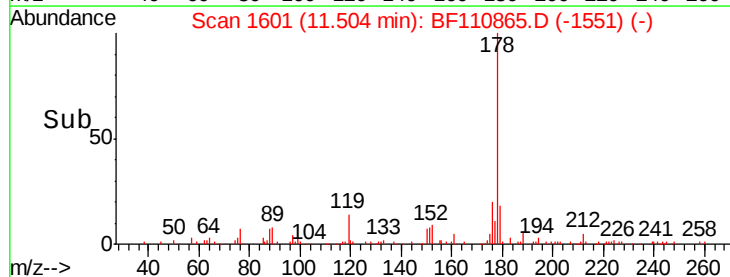


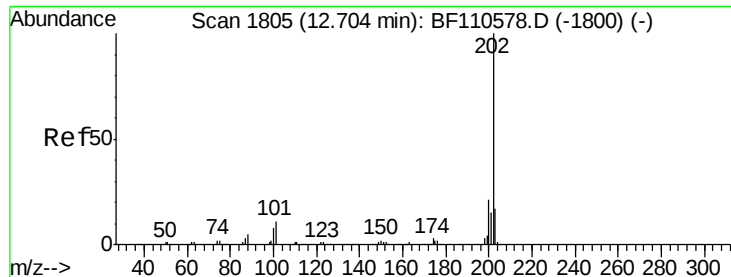
#71
 Phenanthrene
 Concen: 4.073 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.01 min
 Lab File: BF110865.D
 Acq: 19 Nov 2018 20:42

Tgt Ion:178 Resp: 40411
 Ion Ratio Lower Upper
 178 100
 176 20.5 15.5 23.3
 179 22.1 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





#75

Fluoranthene

Concen: 2.603 ng

RT: 12.70 min Scan# 1805

Delta R.T. 0.00 min

Lab File: BF110865.D

Acq: 19 Nov 2018 20:42

Instrument :

BNA_F

ClientSampleId :

20180930-AMENDED-WCC-3-COMP

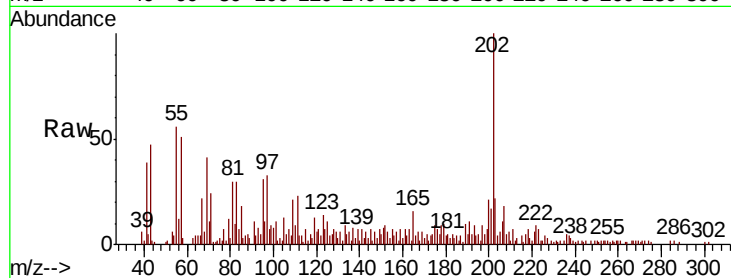
Tgt Ion:202 Resp: 25893

Ion Ratio Lower Upper

202 100

101 11.0 0.0 31.4

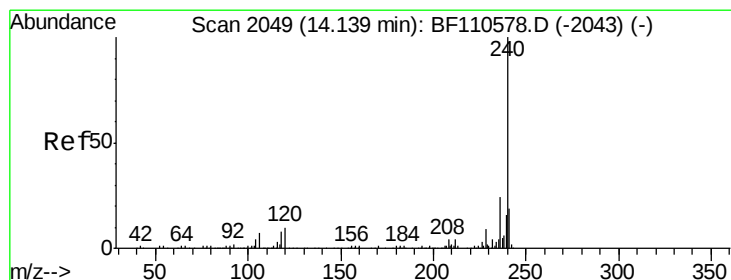
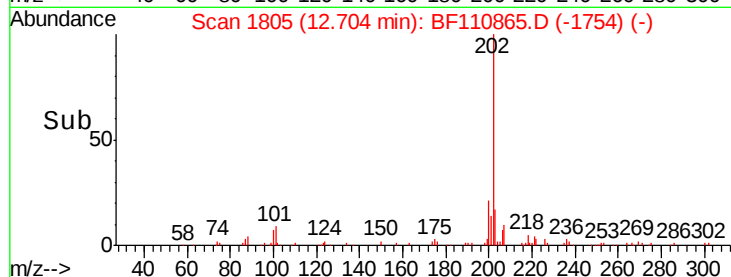
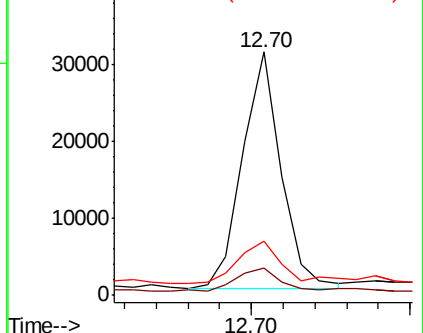
203 22.4 0.0 37.7



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: 14.14 min Scan# 2049

Delta R.T. 0.00 min

Lab File: BF110865.D

Acq: 19 Nov 2018 20:42

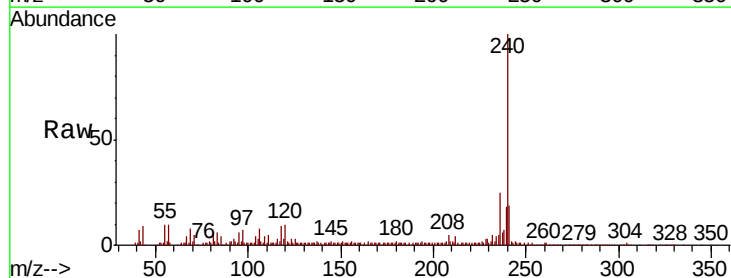
Tgt Ion:240 Resp: 148399

Ion Ratio Lower Upper

240 100

120 9.6 8.3 12.5

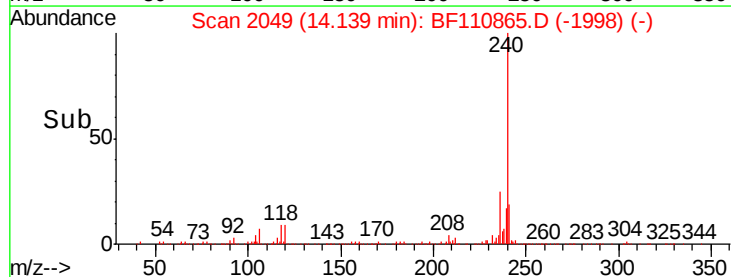
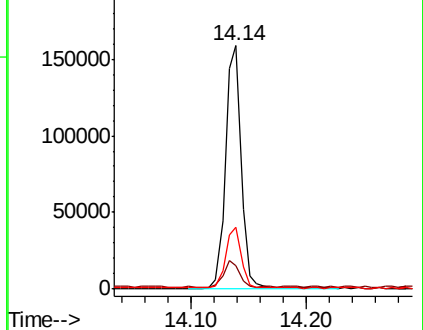
236 25.3 21.2 31.8

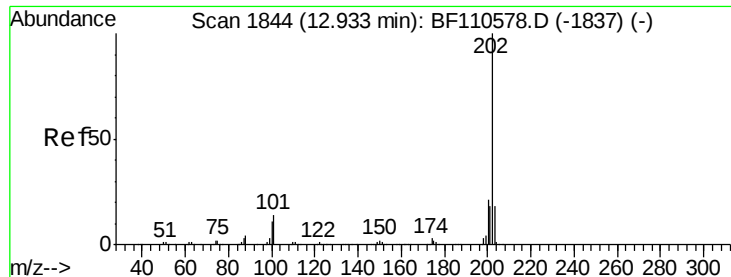


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 3.820 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.01 min

Lab File: BF110865.D

Acq: 19 Nov 2018 20:42

Instrument :

BNA_F

ClientSampleId :

20180930-AMENDED-WCC-3-COMP

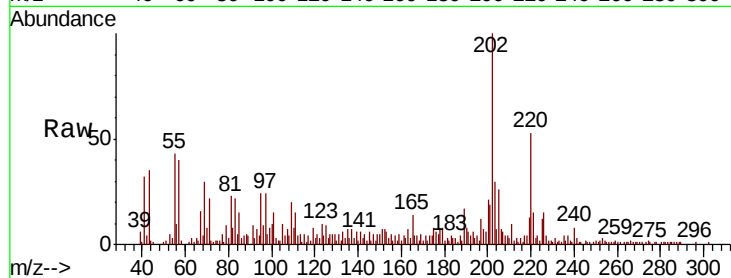
Tgt Ion:202 Resp: 43644

Ion Ratio Lower Upper

202 100

200 21.4 17.8 26.6

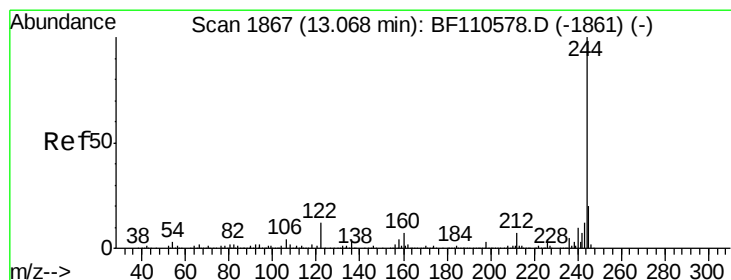
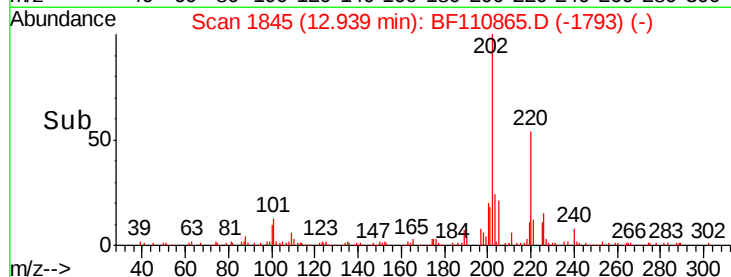
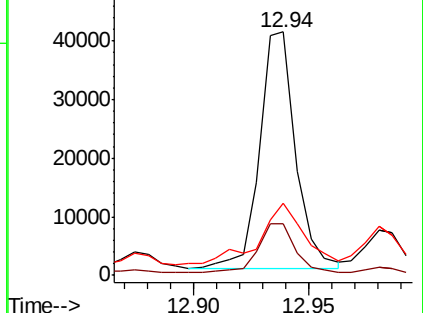
203 29.7 14.2 21.4#



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: 57.480 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF110865.D

Acq: 19 Nov 2018 20:42

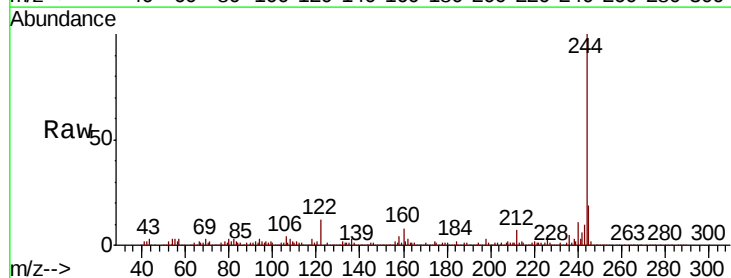
Tgt Ion:244 Resp: 455477

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

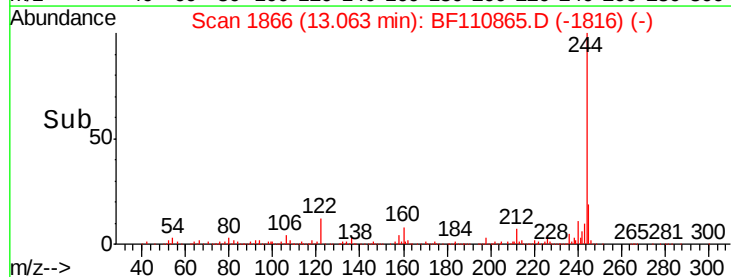
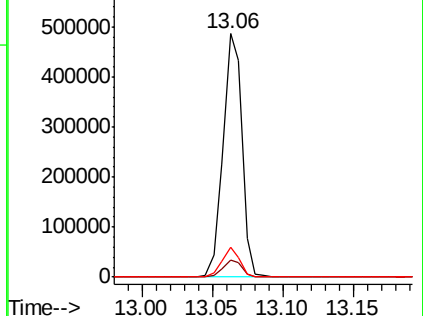
122 12.3 8.7 13.1

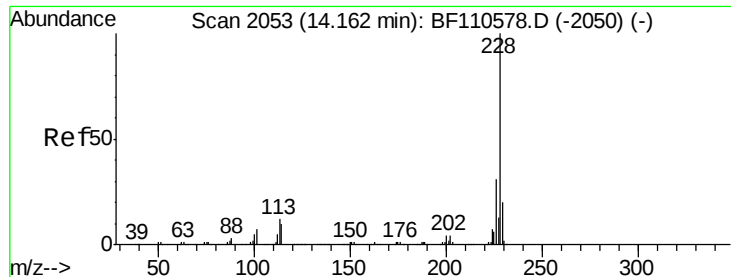


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#83

Chrysene

Concen: 2.022 ng

RT: 14.16 min Scan# 2053

Delta R.T. 0.00 min

Lab File: BF110865.D

Acq: 19 Nov 2018 20:42

Instrument :

BNA_F

ClientSampleId :

20180930-AMENDED-WCC-3-COMP

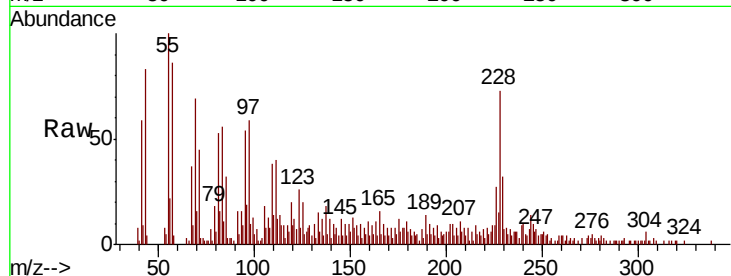
Tgt Ion:228 Resp: 17084

Ion Ratio Lower Upper

228 100

226 37.4 24.7 37.1#

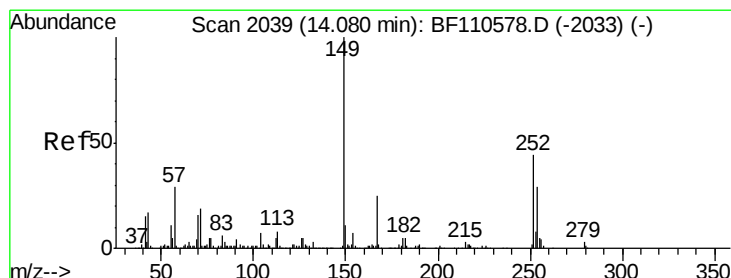
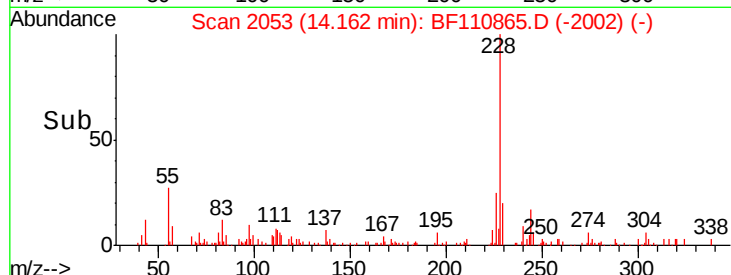
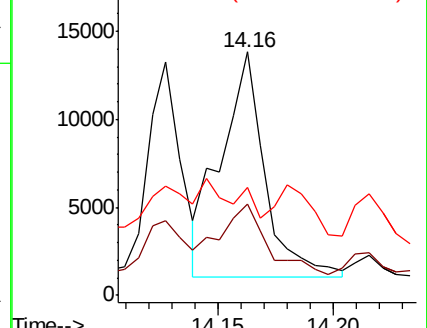
229 44.2 15.9 23.9#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.614 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF110865.D

Acq: 19 Nov 2018 20:42

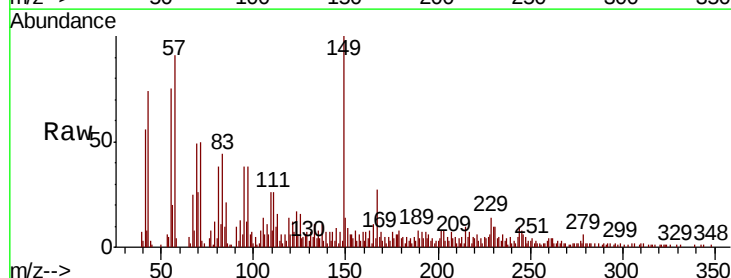
Tgt Ion:149 Resp: 22047

Ion Ratio Lower Upper

149 100

167 26.6 19.8 29.8

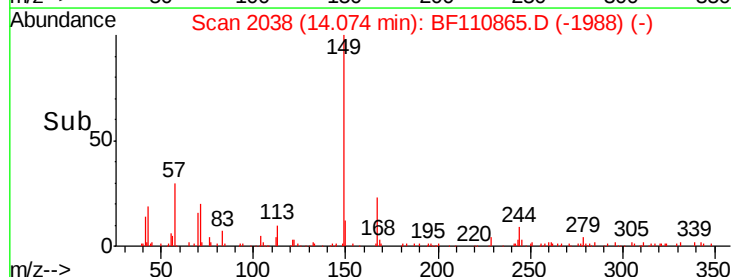
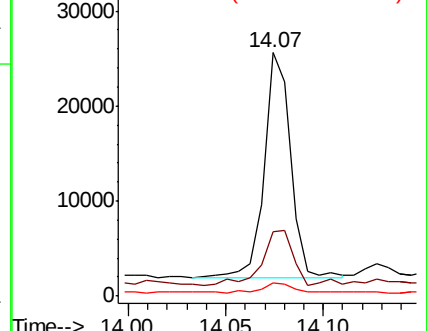
279 5.6 2.7 4.1#

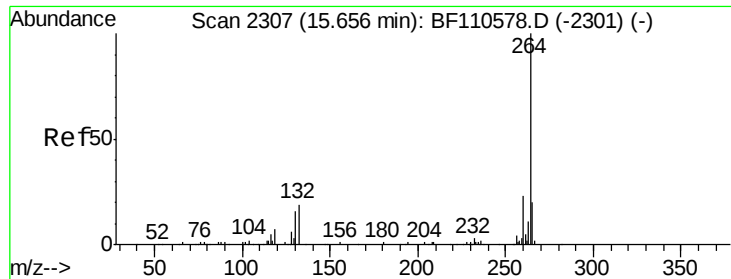


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

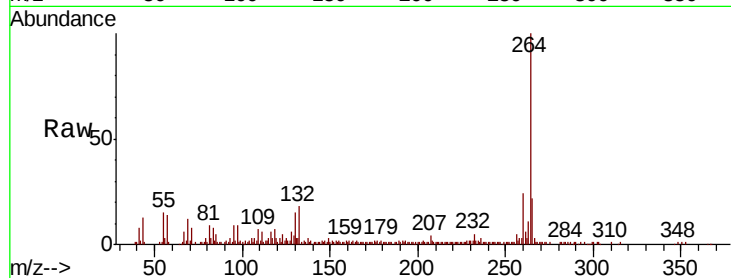




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2309
Delta R.T. 0.01 min
Lab File: BF110865.D
Acq: 19 Nov 2018 20:42

Instrument :
BNA_F
ClientSampleId :
20180930-AMENDED-WCC-3-COMP

Tgt Ion: 264 Resp: 100900
Ion Ratio Lower Upper
264 100
260 23.6 18.7 28.1
265 21.5 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

