

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112018\
 Data File : BF110906.D
 Acq On : 20 Nov 2018 20:40
 Operator : JU/SJ
 Sample : J5981-03DL 50X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DTW-02(11-13)MSDL

Quant Time: Nov 21 04:22:28 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

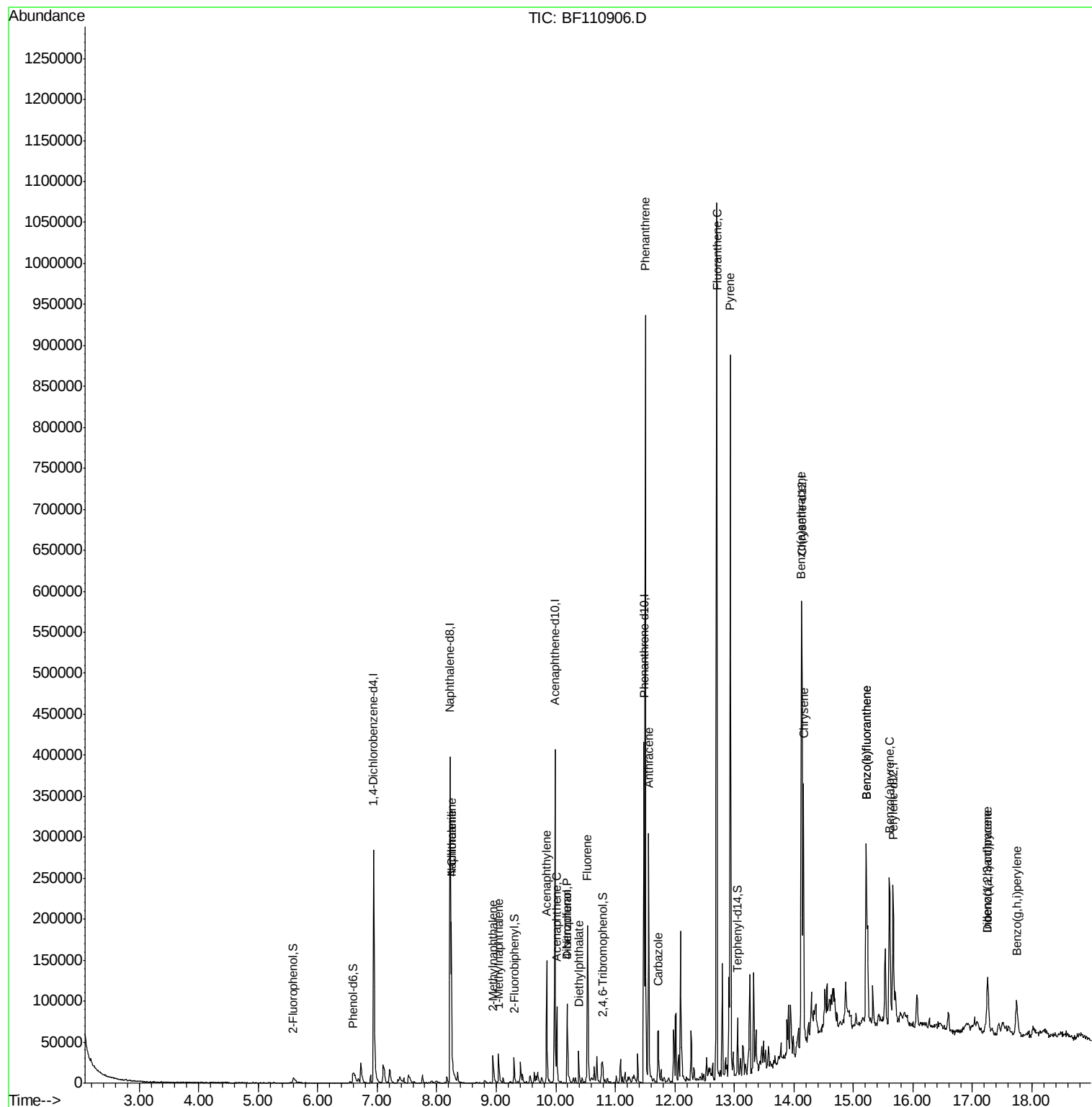
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	54571	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	221645	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	86692	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	147438	20.00	ng	0.00
76) Chrysene-d12	14.13	240	114563	20.00	ng	0.00
87) Perylene-d12	15.67	264	79937	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	9136	2.72	ng	0.03
7) Phenol-d6	6.59	99	12047	2.80	ng	0.02
23) Nitrobenzene-d5	7.53	82	7583	1.97	ng	0.01
42) 2,4,6-Tribromophenol	10.79	330	2088	2.39	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	14028	2.31	ng	0.00
79) Terphenyl-d14	13.06	244	12618	2.06	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.55	77	824	Below Cal		Qvalue # 78
31) Naphthalene	8.25	128	90615	8.709	ng	99
33) 4-Chloroaniline	8.25	127	11306	2.399	ng	# 33
37) 2-Methylnaphthalene	8.95	142	17707	2.596	ng	96
38) 1-Methylnaphthalene	9.04	142	16422	2.503	ng	92
49) Acenaphthylene	9.85	152	68823	8.202	ng	98
52) Acenaphthene	10.02	154	19603	3.697	ng	96
55) Dibenzofuran	10.19	168	45379	5.849	ng	97
56) 4-Nitrophenol	10.19	139	18278	16.712	ng	# 9
58) Fluorene	10.53	166	64555	10.833	ng	99
60) Diethylphthalate	10.39	149	13039	2.037	ng	99
71) Phenanthrene	11.50	178	346152	43.822	ng	100
72) Anthracene	11.56	178	132881	16.677	ng	99
73) Carbazole	11.72	167	29766	3.890	ng	99
75) Fluoranthene	12.70	202	441336	55.730	ng	98
78) Pyrene	12.93	202	341537	38.718	ng	99
81) Benzo(a)anthracene	14.12	228	149572	21.843	ng	98
83) Chrysene	14.16	228	120518	18.474	ng	98
86) Indeno(1,2,3-cd)pyrene	17.26	276	45473	9.714	ng	96
88) Benzo(b)fluoranthene	15.21	252	153252	32.047	ng	96
89) Benzo(k)fluoranthene	15.21	252	153252	32.432	ng	# 95
90) Benzo(a)pyrene	15.60	252	80687	18.571	ng	99
91) Dibenzo(a,h)anthracene	17.26	278	14017	3.812	ng	# 80
92) Benzo(g,h,i)perylene	17.74	276	39629	10.863	ng	100

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

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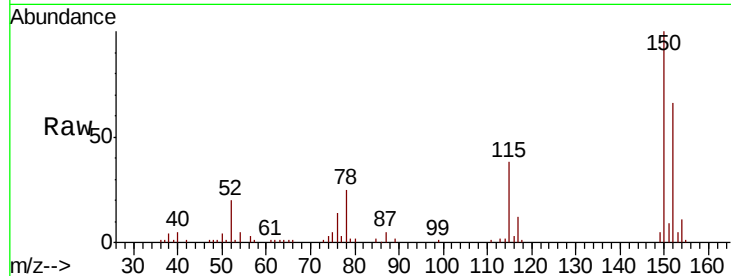




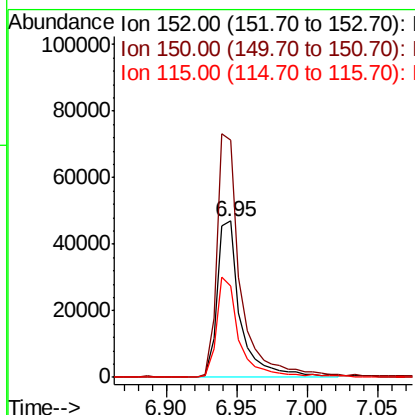
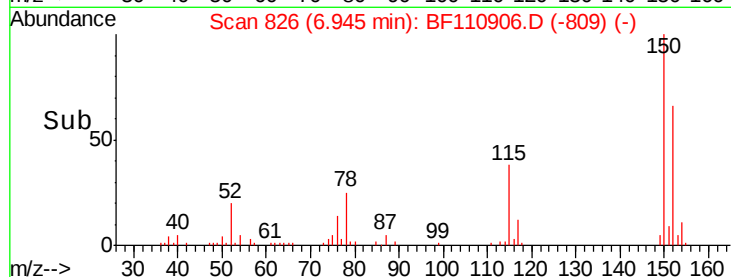
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 826
 Delta R.T. 0.00 min
 Lab File: BF110906.D
 Acq: 20 Nov 2018 20:40

Instrument :
 BNA_F
 ClientSampleId :
 DTW-02(11-13)MSDL

Tgt Ion:152 Resp: 54571
 Ion Ratio Lower Upper
 152 100
 150 151.4 122.7 184.1
 115 58.2 49.1 73.7

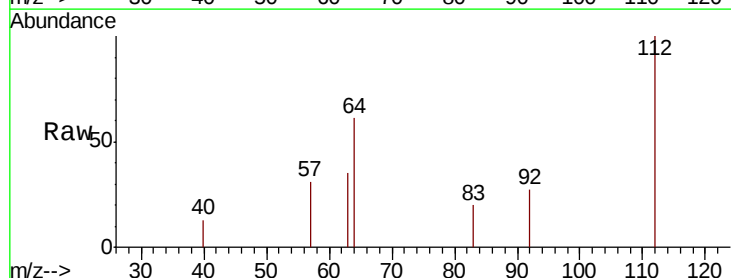


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

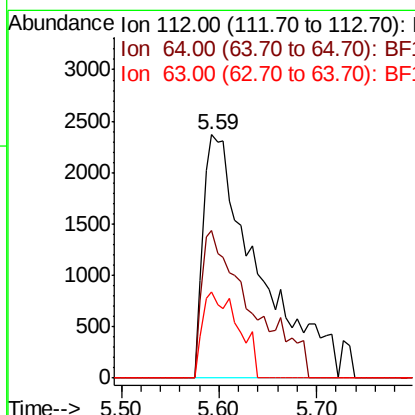
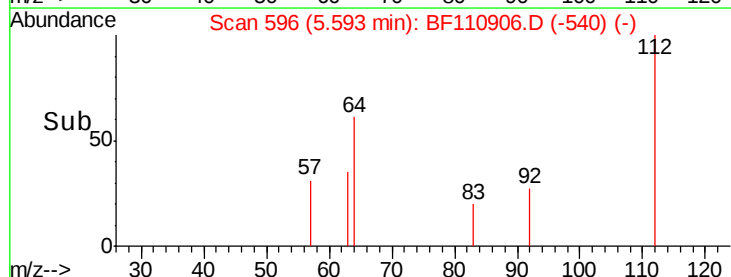


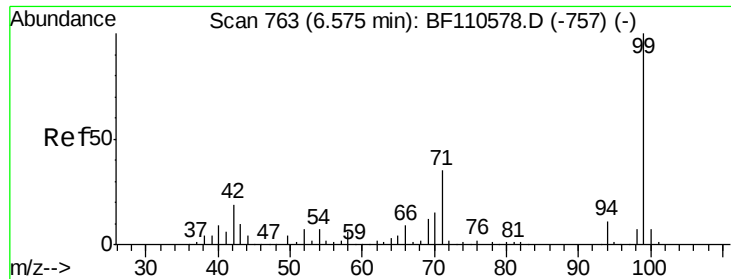
#5
 2-Fluorophenol
 Concen: 2.719 ng
 RT: 5.59 min Scan# 596
 Delta R.T. 0.03 min
 Lab File: BF110906.D
 Acq: 20 Nov 2018 20:40

Tgt Ion:112 Resp: 9136
 Ion Ratio Lower Upper
 112 100
 64 60.5 44.1 66.1
 63 35.3 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: 2.804 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.02 min

Lab File: BF110906.D

Acq: 20 Nov 2018 20:40

Instrument :

BNA_F

ClientSampleId :

DTW-02(11-13)MSDL

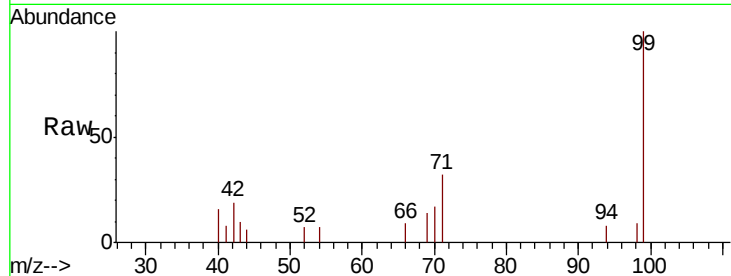
Tgt Ion: 99 Resp: 12047

Ion Ratio Lower Upper

99 100

42 19.3 15.8 23.6

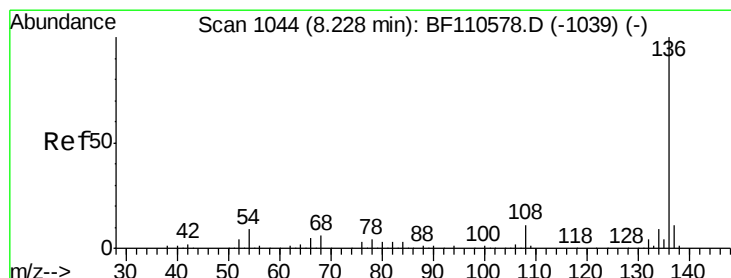
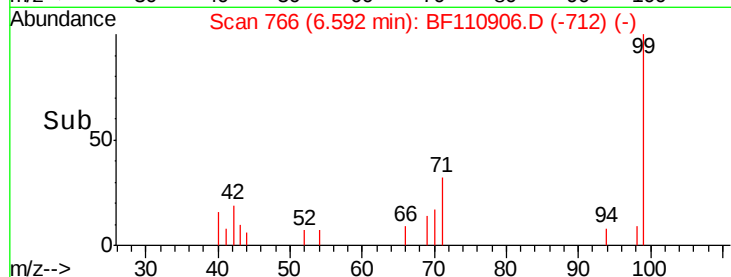
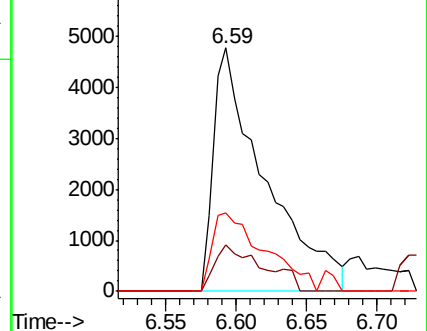
71 32.1 28.0 42.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF110906.D

Acq: 20 Nov 2018 20:40

Tgt Ion: 136 Resp: 221645

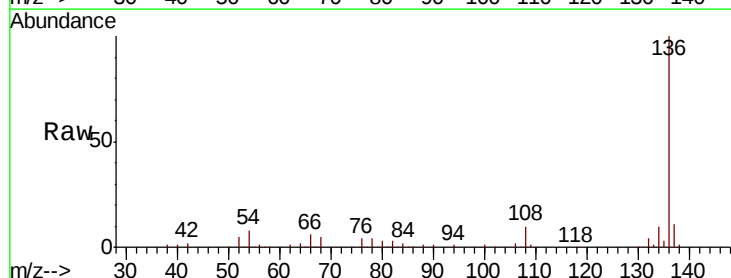
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 8.0 5.4 8.2

68 5.3 4.2 6.2

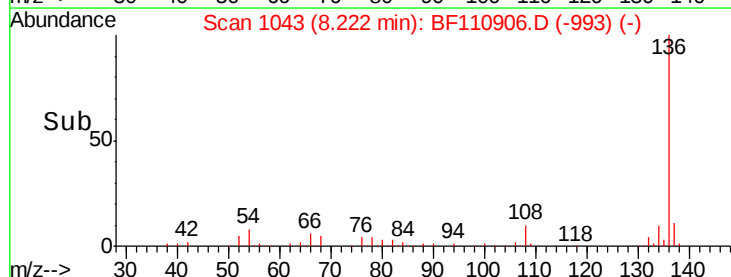
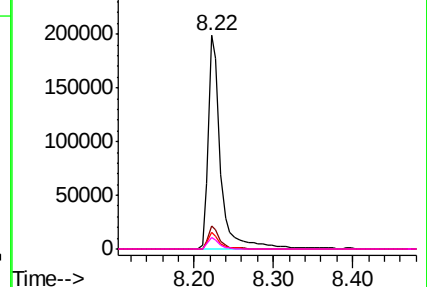


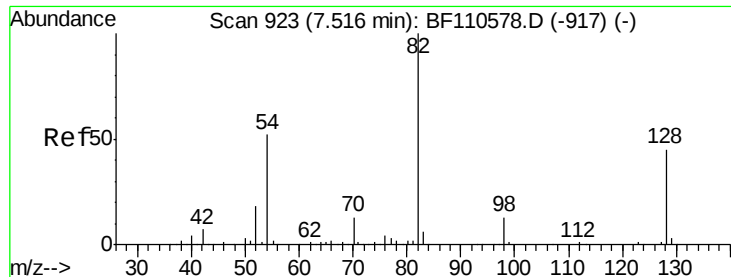
Abundance Ion 136.00 (135.70 to 136.70): E

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

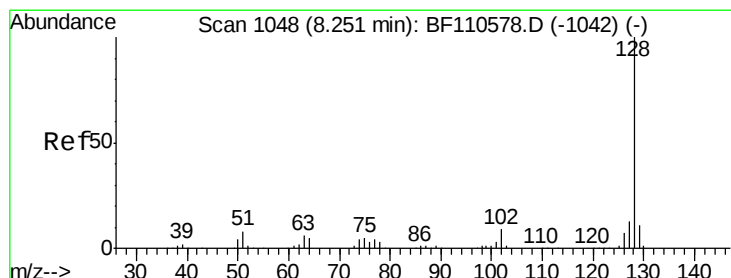
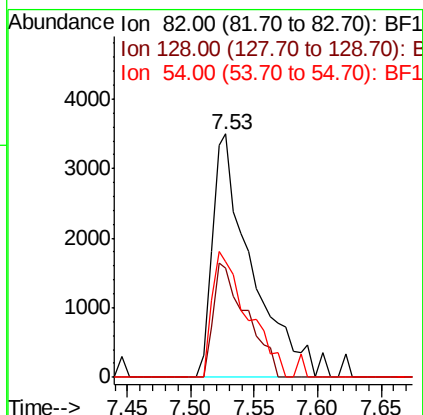
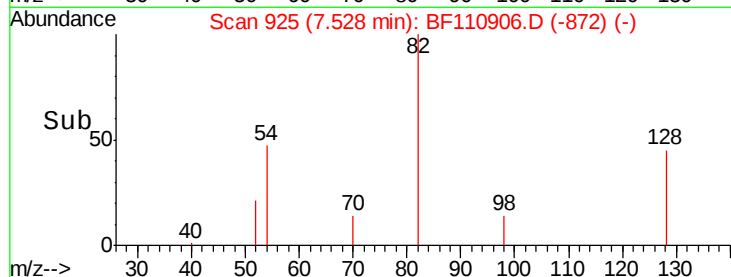
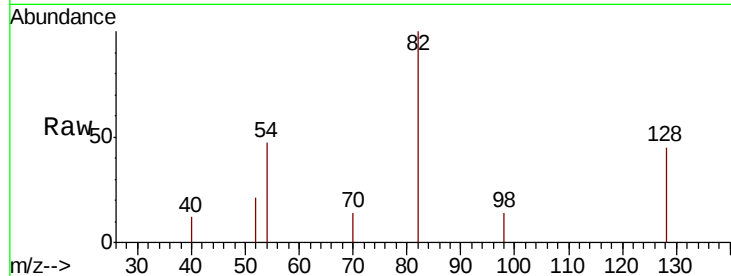




#23
 Nitrobenzene-d5
 Concen: 1.970 ng
 RT: 7.53 min Scan# 925
 Delta R.T. 0.01 min
 Lab File: BF110906.D
 Acq: 20 Nov 2018 20:40

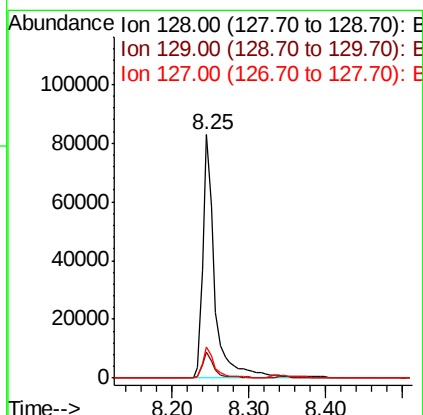
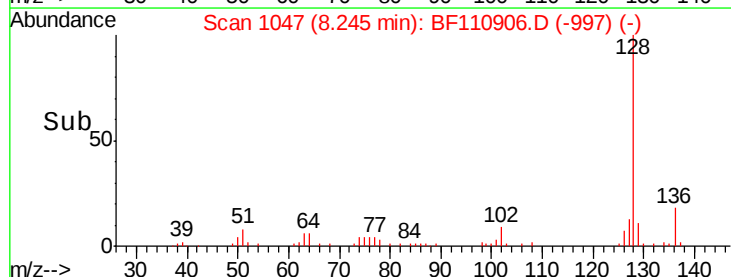
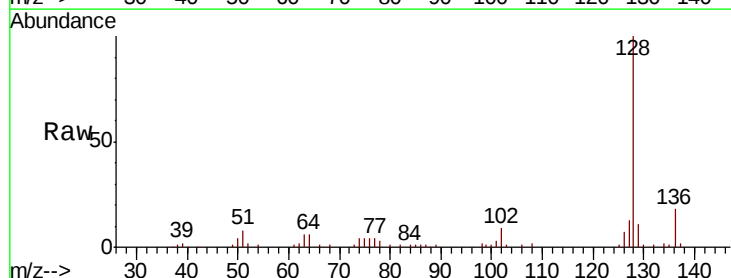
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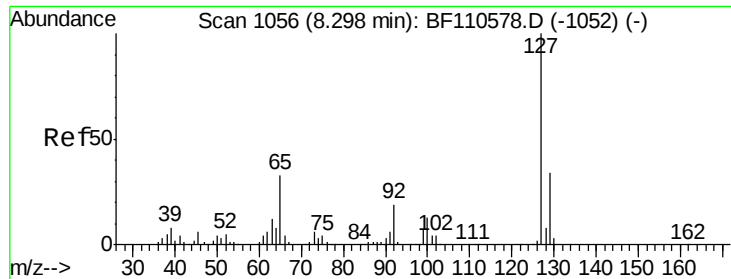
Tgt Ion: 82 Resp: 7583
 Ion Ratio Lower Upper
 82 100
 128 44.7 34.2 51.2
 54 47.4 38.6 58.0



#31
 Naphthalene
 Concen: 8.709 ng
 RT: 8.25 min Scan# 1047
 Delta R.T. -0.01 min
 Lab File: BF110906.D
 Acq: 20 Nov 2018 20:40

Tgt Ion: 128 Resp: 90615
 Ion Ratio Lower Upper
 128 100
 129 10.9 8.8 13.2
 127 13.0 10.8 16.2

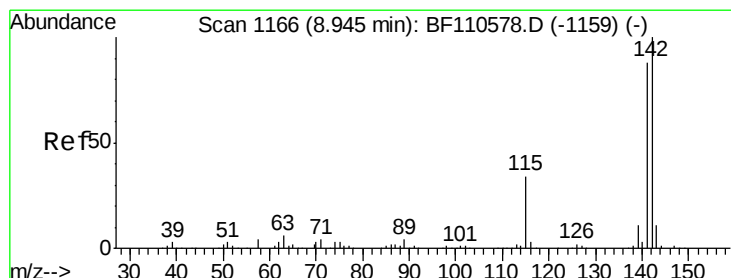
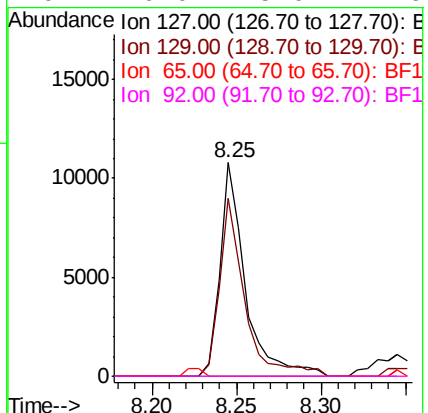
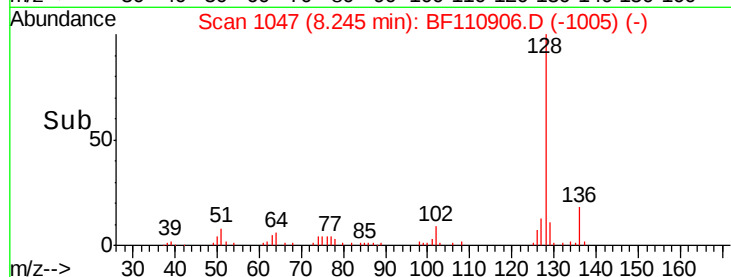
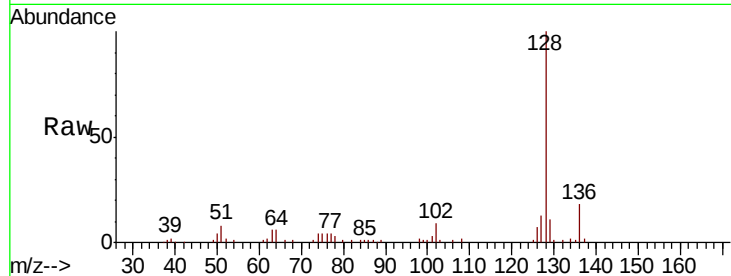




#33
4-Chloroaniline
Concen: 2.399 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.05 min
Lab File: BF110906.D
Acq: 20 Nov 2018 20:40

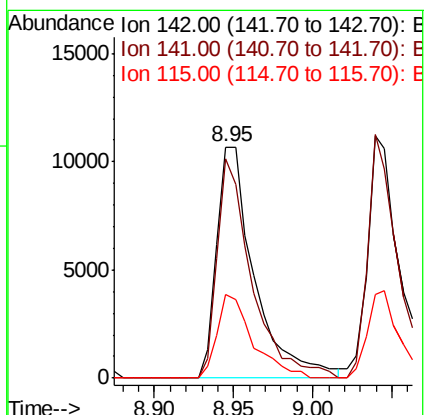
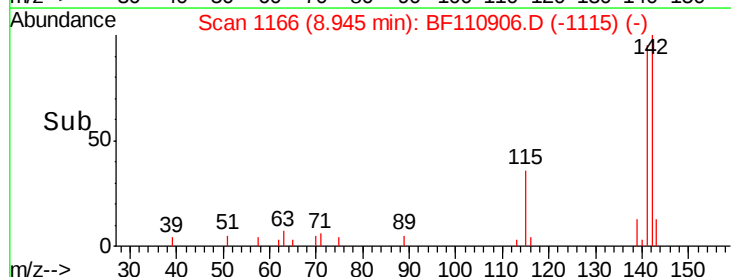
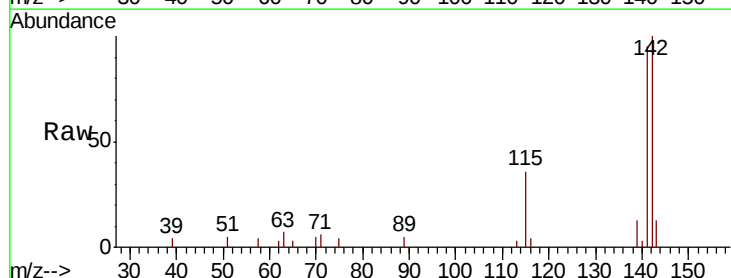
Instrument :
BNA_F
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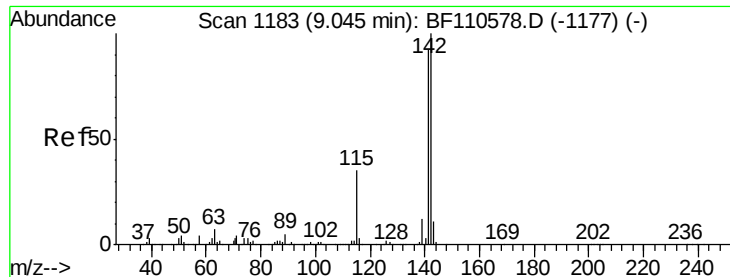
Tgt Ion:127 Resp: 11306
Ion Ratio Lower Upper
127 100
129 83.3 26.0 39.0#
65 0.0 25.1 37.7#
92 0.0 15.0 22.6#



#37
2-Methylnaphthalene
Concen: 2.596 ng
RT: 8.95 min Scan# 1166
Delta R.T. 0.00 min
Lab File: BF110906.D
Acq: 20 Nov 2018 20:40

Tgt Ion:142 Resp: 17707
Ion Ratio Lower Upper
142 100
141 94.9 71.4 107.2
115 36.1 28.7 43.1

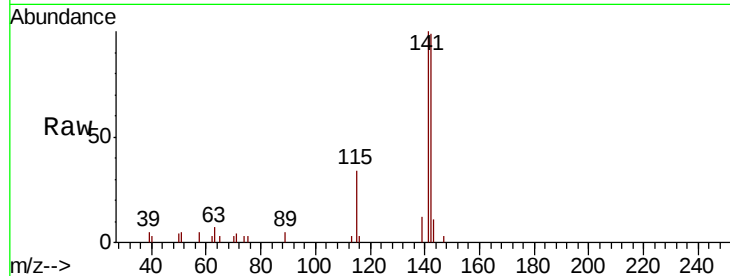




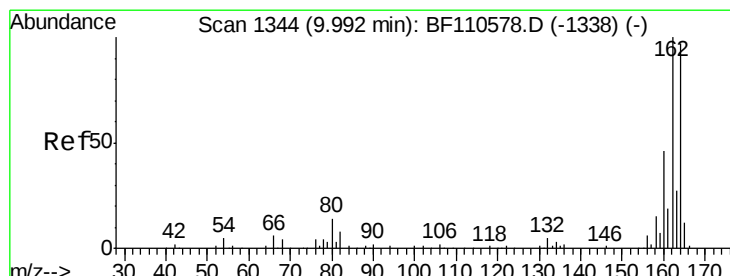
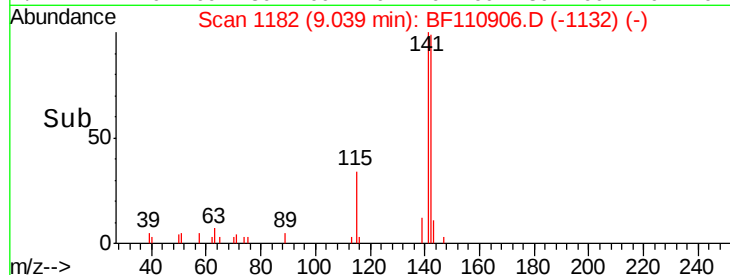
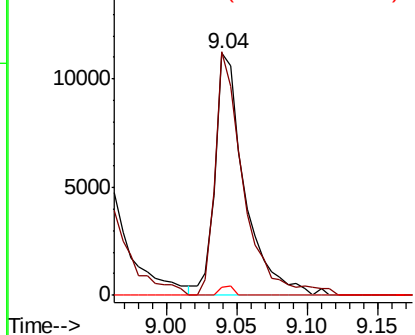
#38
1-Methylnaphthalene
Concen: 2.503 ng
RT: 9.04 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BF110906.D
Acq: 20 Nov 2018 20:40

Instrument :
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Tgt Ion:142 Resp: 16422
Ion Ratio Lower Upper
142 100
141 100.6 74.2 111.4
116 3.1 2.6 4.0

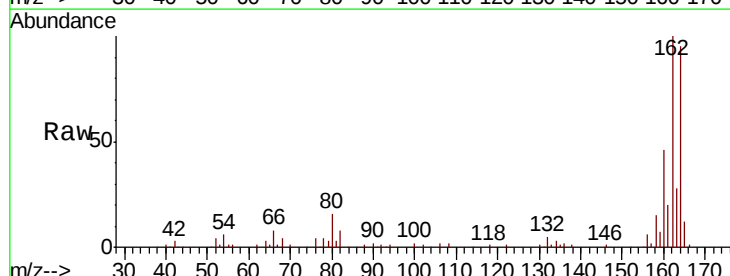


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

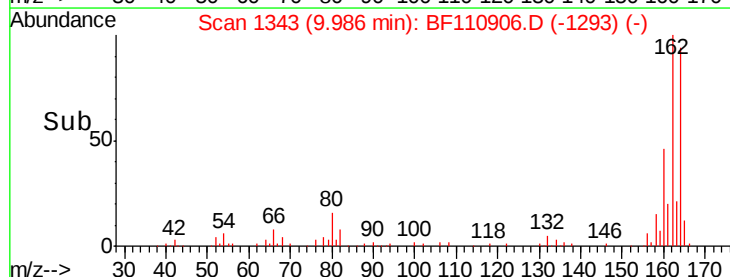
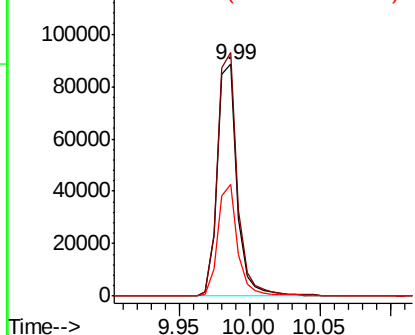


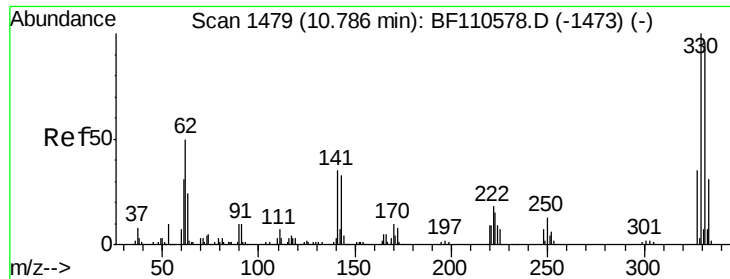
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF110906.D
Acq: 20 Nov 2018 20:40

Tgt Ion:164 Resp: 86692
Ion Ratio Lower Upper
164 100
162 105.1 83.0 124.6
160 48.0 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

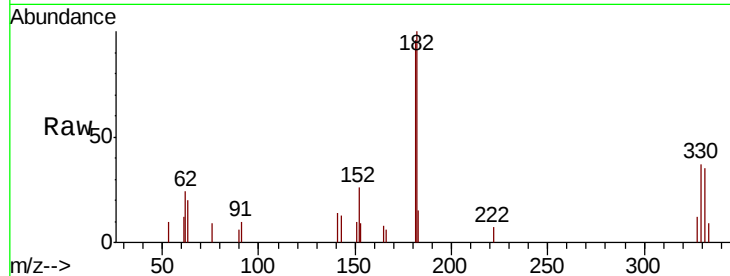




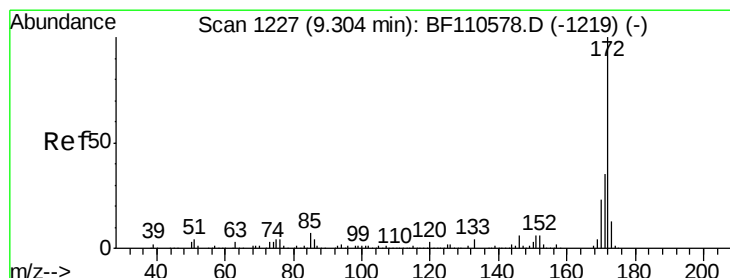
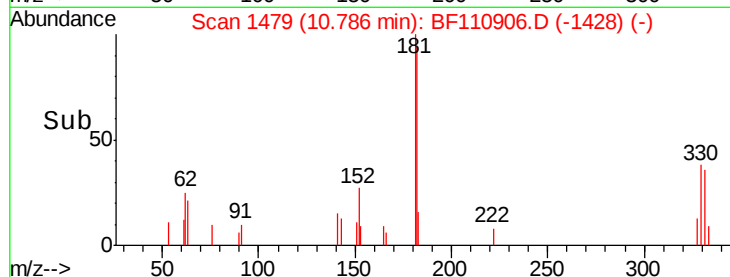
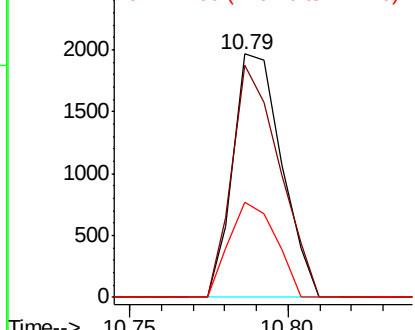
#42
 2,4,6-Tribromophenol
 Concen: 2.390 ng
 RT: 10.79 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: BF110906.D
 Acq: 20 Nov 2018 20:40

Instrument :
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Tgt Ion:330 Resp: 2088
 Ion Ratio Lower Upper
 330 100
 332 93.2 77.1 115.7
 141 37.6 27.0 40.4

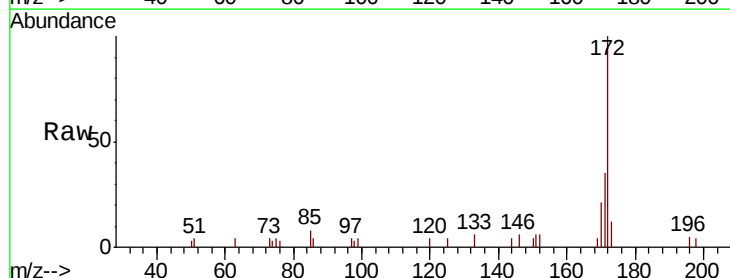


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

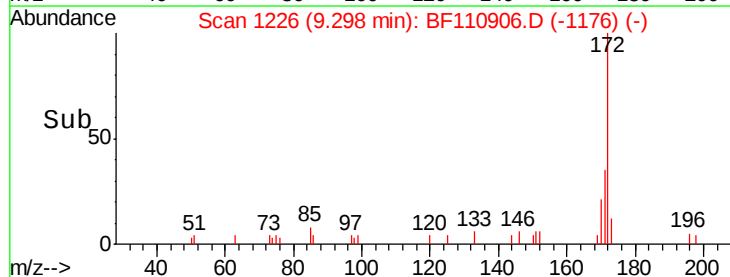
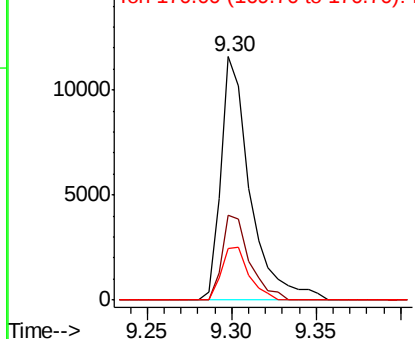


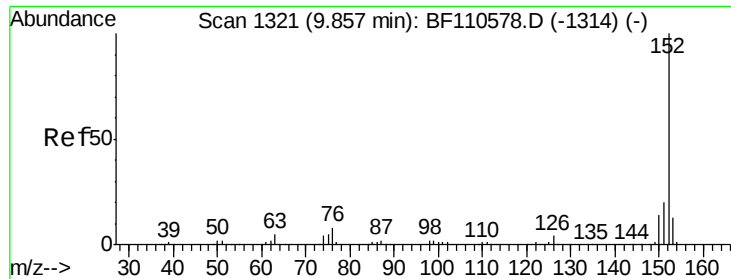
#45
 2-Fluorobiphenyl
 Concen: 2.311 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF110906.D
 Acq: 20 Nov 2018 20:40

Tgt Ion:172 Resp: 14028
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.6 43.0
 170 21.1 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





#49

Acenaphthylene

Concen: 8.202 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF110906.D

Acq: 20 Nov 2018 20:40

Instrument :

BNA_F

ClientSampleId :

DTW-02(11-13)MSDL

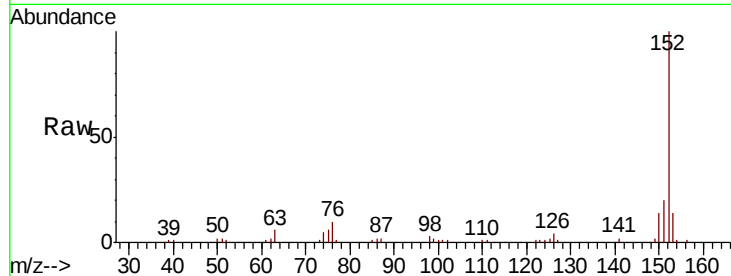
Tgt Ion:152 Resp: 68823

Ion Ratio Lower Upper

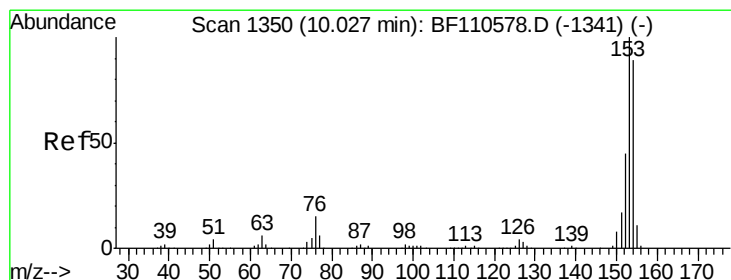
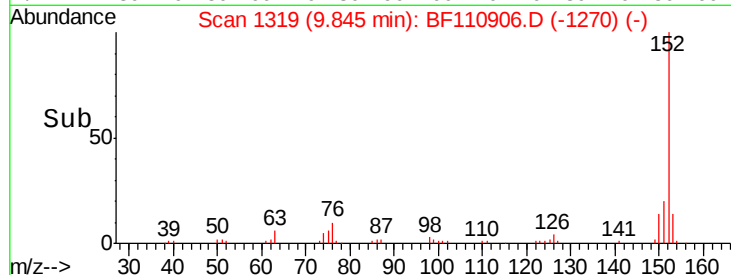
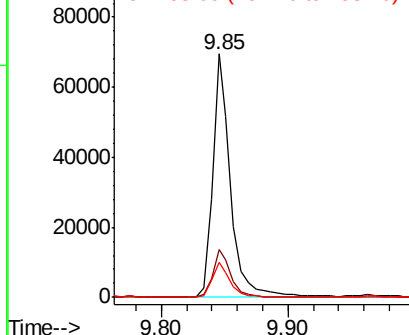
152 100

151 19.6 15.8 23.8

153 14.4 10.4 15.6



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



#52

Acenaphthene

Concen: 3.697 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF110906.D

Acq: 20 Nov 2018 20:40

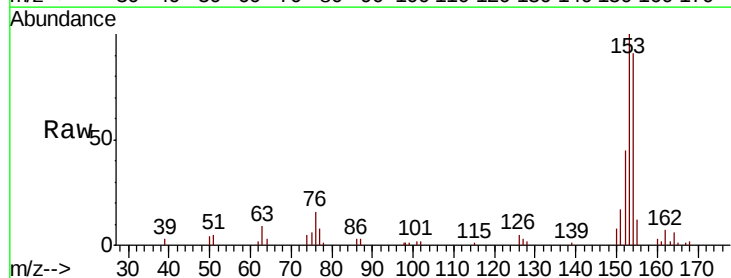
Tgt Ion:154 Resp: 19603

Ion Ratio Lower Upper

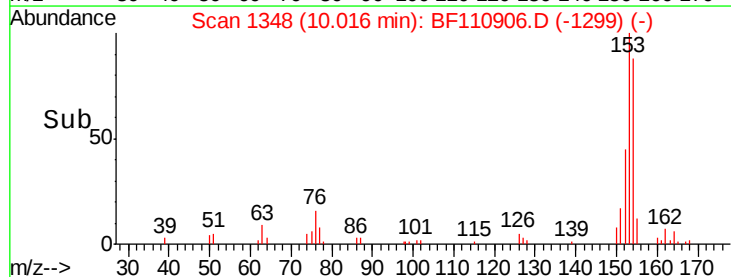
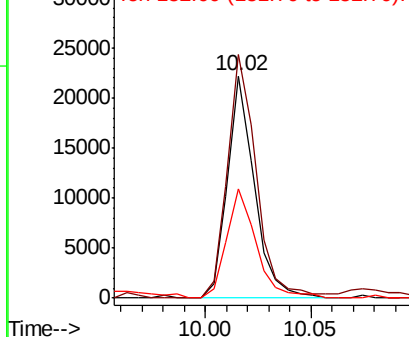
154 100

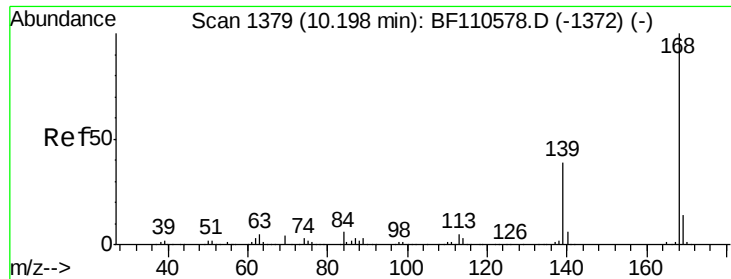
153 109.7 90.1 135.1

152 49.2 43.4 65.2



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

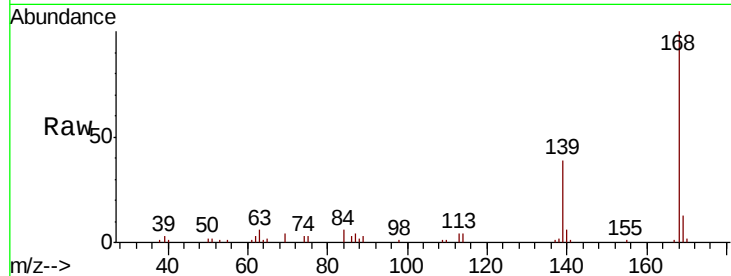




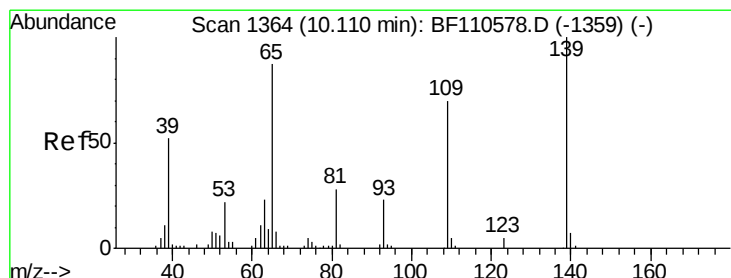
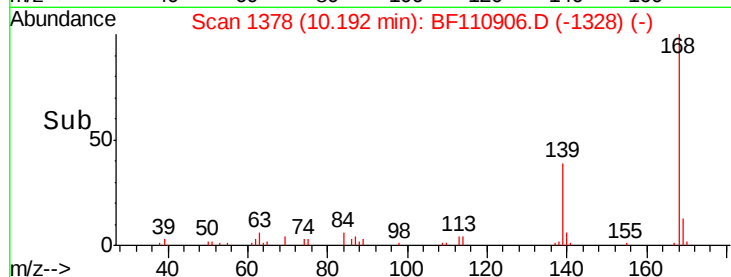
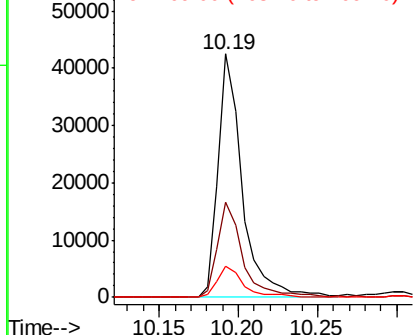
#55
Dibenzenofuran
Concen: 5.849 ng
RT: 10.19 min Scan# 1378
Delta R.T. -0.01 min
Lab File: BF110906.D
Acq: 20 Nov 2018 20:40

Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)MSDL

Tgt Ion:168 Resp: 45379
Ion Ratio Lower Upper
168 100
139 39.2 33.0 49.6
169 12.7 11.3 16.9

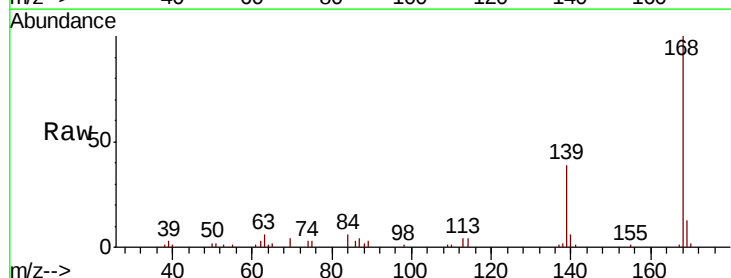


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

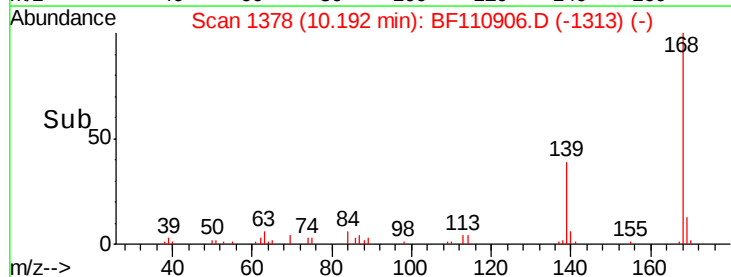
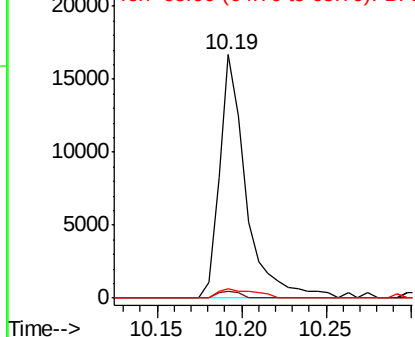


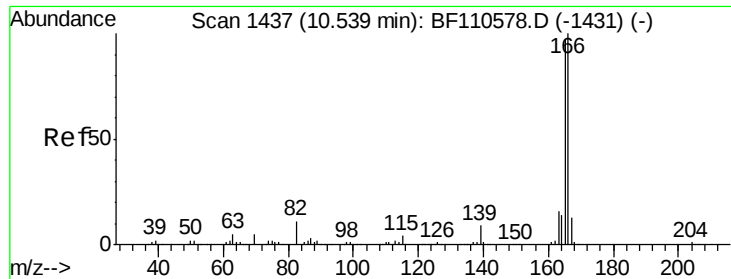
#56
4-Nitrophenol
Concen: 16.712 ng
RT: 10.19 min Scan# 1378
Delta R.T. 0.08 min
Lab File: BF110906.D
Acq: 20 Nov 2018 20:40

Tgt Ion:139 Resp: 18278
Ion Ratio Lower Upper
139 100
109 2.6 55.8 95.8#
65 3.9 77.9 117.9#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1





#58

Fluorene

Concen: 10.833 ng

RT: 10.53 min Scan# 1436

Delta R.T. -0.01 min

Lab File: BF110906.D

Acq: 20 Nov 2018 20:40

Instrument :

BNA_F

ClientSampleId :

DTW-02(11-13)MSDL

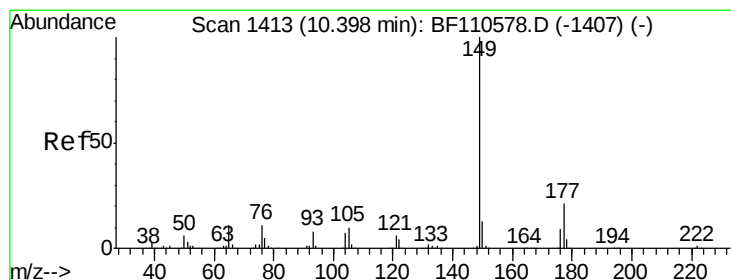
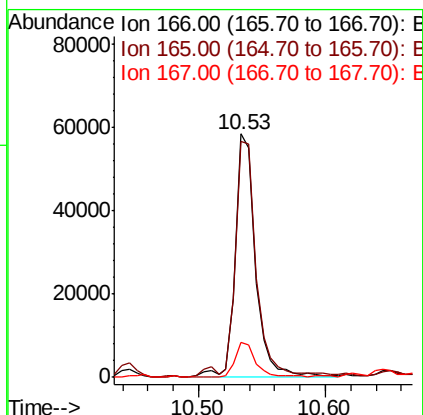
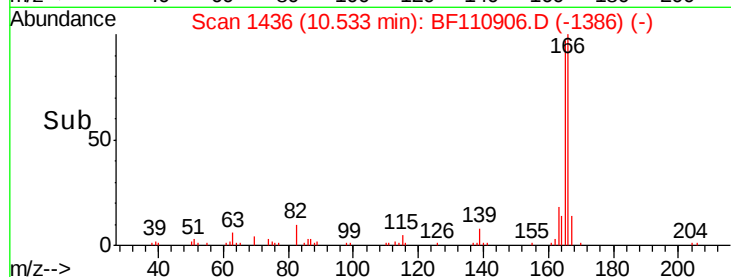
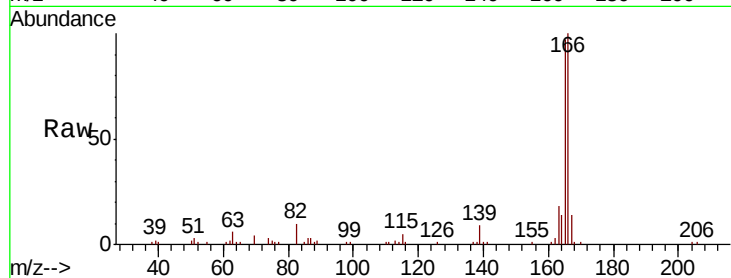
Tgt Ion:166 Resp: 64555

Ion Ratio Lower Upper

166 100

165 97.0 78.6 117.8

167 14.1 10.8 16.2



#60

Diethylphthalate

Concen: 2.037 ng

RT: 10.39 min Scan# 1411

Delta R.T. -0.01 min

Lab File: BF110906.D

Acq: 20 Nov 2018 20:40

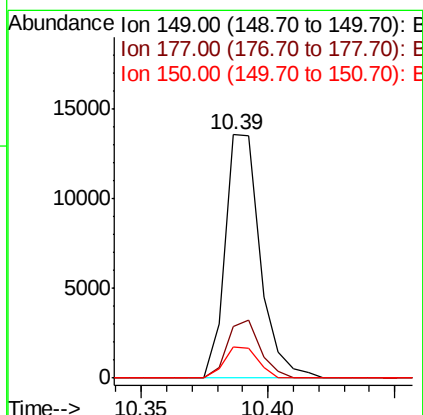
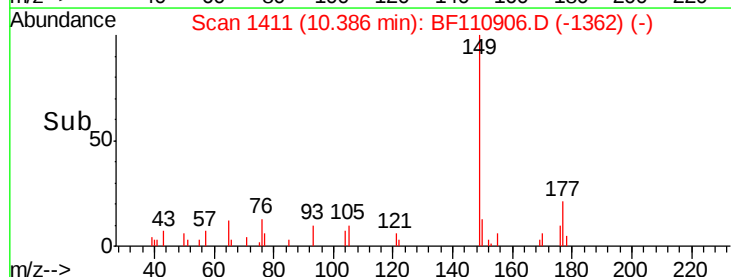
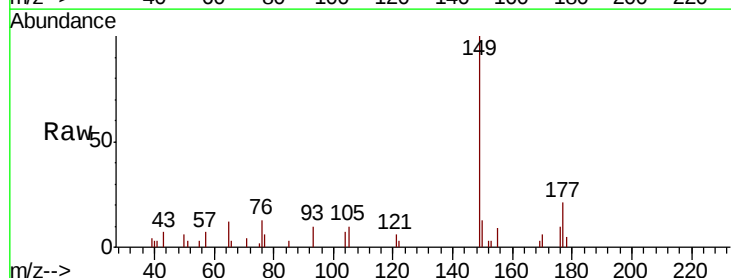
Tgt Ion:149 Resp: 13039

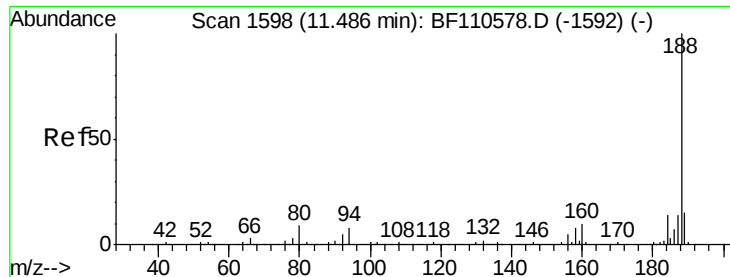
Ion Ratio Lower Upper

149 100

177 21.1 17.4 26.2

150 12.8 9.8 14.8

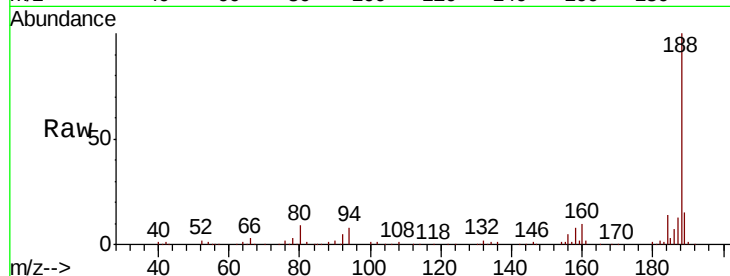




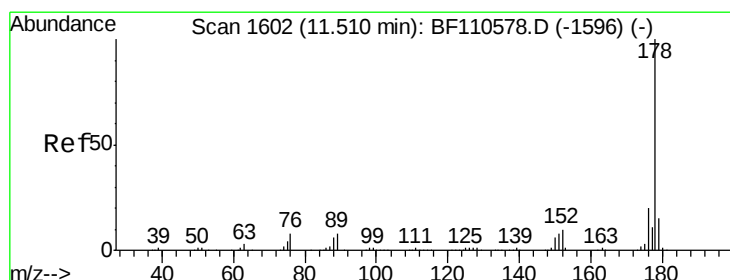
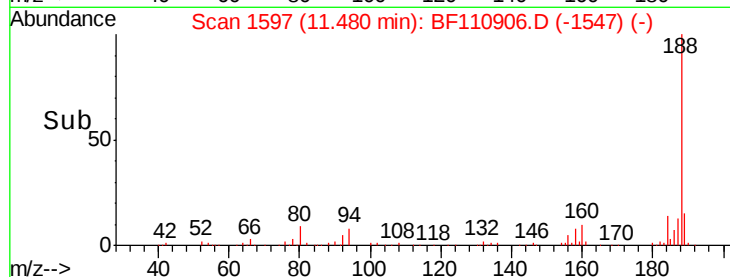
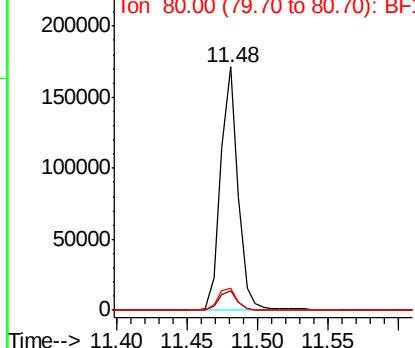
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF110906.D
Acq: 20 Nov 2018 20:40

Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)MSDL

Tgt Ion:188 Resp: 147438
Ion Ratio Lower Upper
188 100
94 7.8 7.2 10.8
80 8.9 7.9 11.9

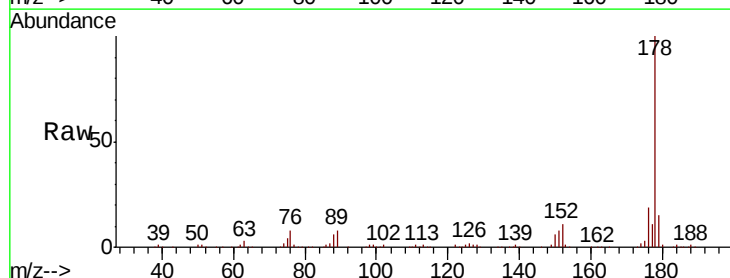


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

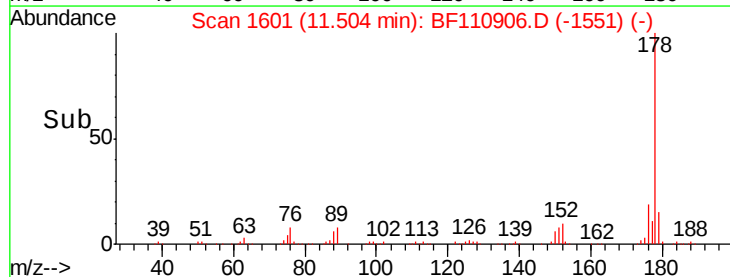
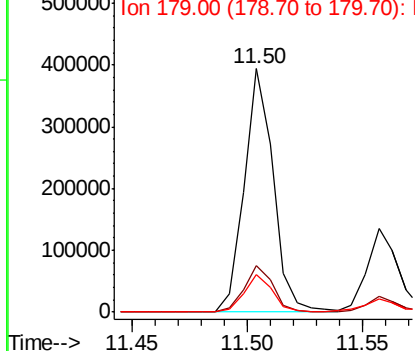


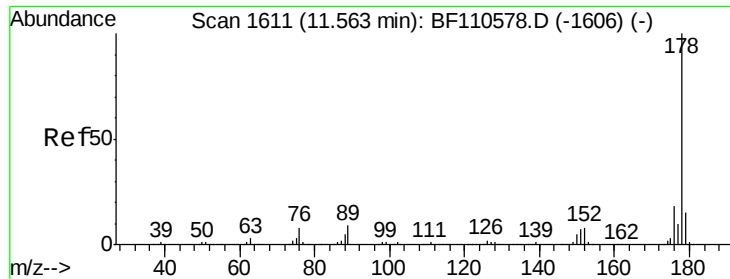
#71
Phenanthrene
Concen: 43.822 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110906.D
Acq: 20 Nov 2018 20:40

Tgt Ion:178 Resp: 346152
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 15.5 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: 16.677 ng

RT: 11.56 min Scan# 1610

Delta R.T. -0.01 min

Lab File: BF110906.D

Acq: 20 Nov 2018 20:40

Instrument :

BNA_F

ClientSampleId :

DTW-02(11-13)MSDL

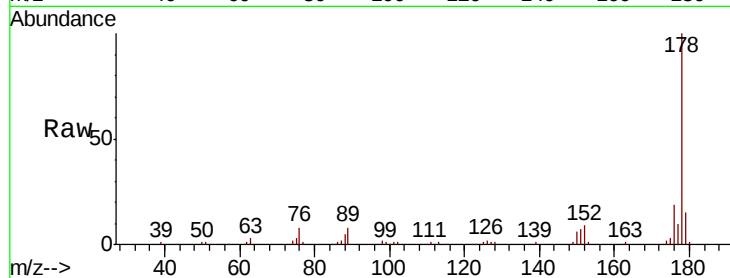
Tgt Ion:178 Resp: 132881

Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.2

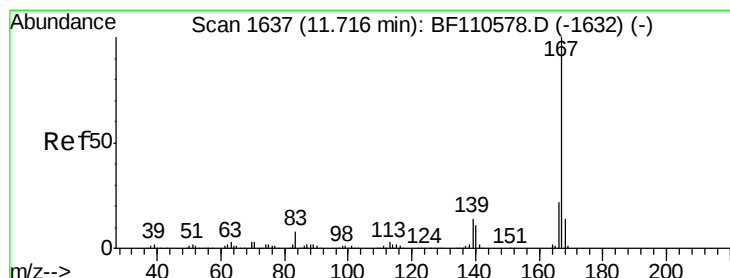
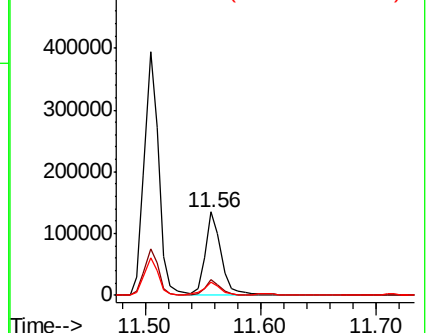
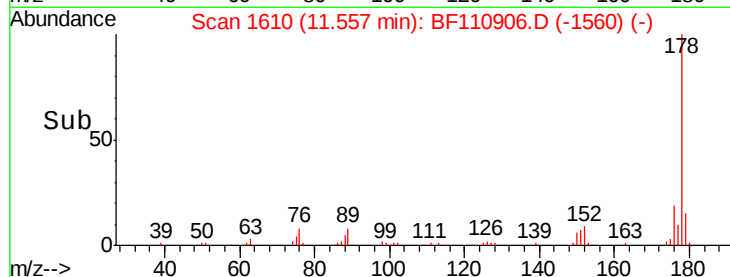
179 15.4 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 3.890 ng

RT: 11.72 min Scan# 1638

Delta R.T. 0.01 min

Lab File: BF110906.D

Acq: 20 Nov 2018 20:40

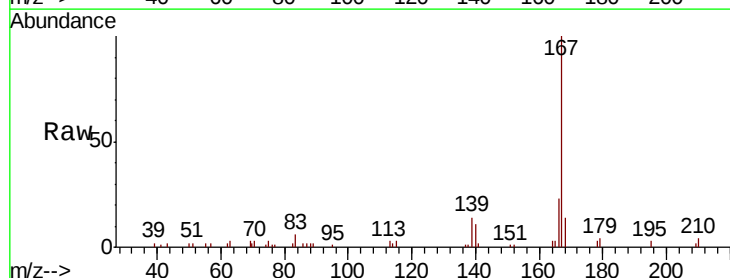
Tgt Ion:167 Resp: 29766

Ion Ratio Lower Upper

167 100

166 22.6 17.4 26.0

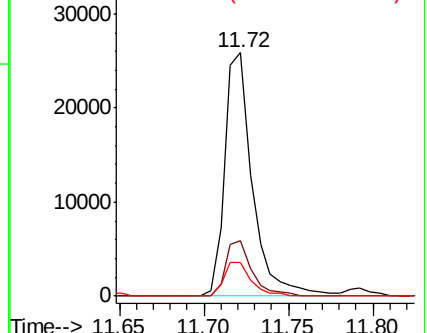
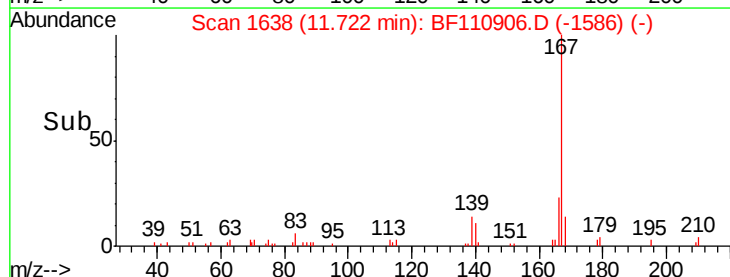
139 13.7 10.9 16.3

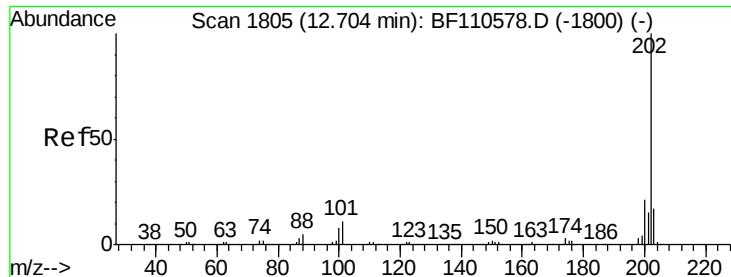


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 55.730 ng

RT: 12.70 min Scan# 1805

Delta R.T. 0.00 min

Lab File: BF110906.D

Acq: 20 Nov 2018 20:40

Instrument :

BNA_F

ClientSampleId :

DTW-02(11-13)MSDL

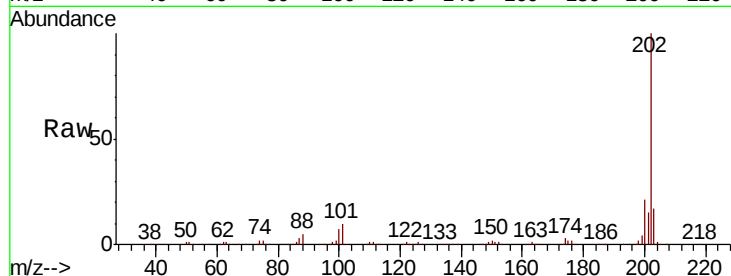
Tgt Ion:202 Resp: 441336

Ion Ratio Lower Upper

202 100

101 9.9 0.0 31.4

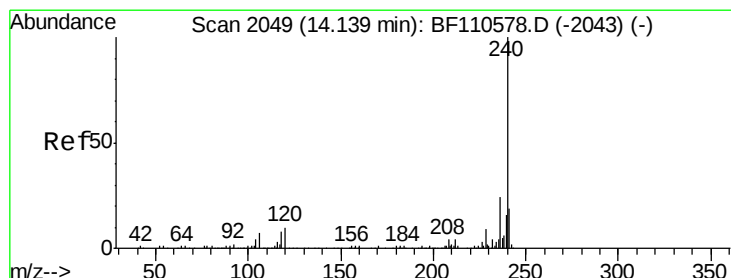
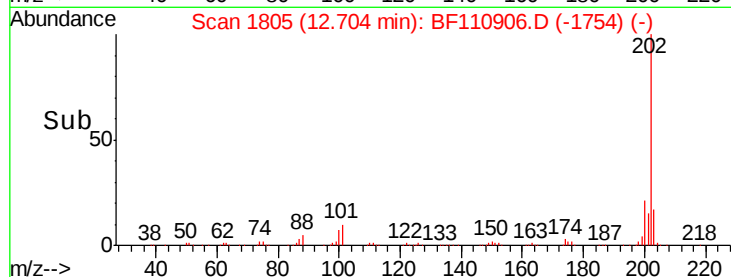
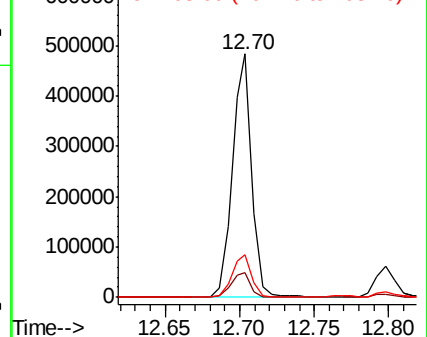
203 17.4 0.0 37.7



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: 14.13 min Scan# 2048

Delta R.T. -0.01 min

Lab File: BF110906.D

Acq: 20 Nov 2018 20:40

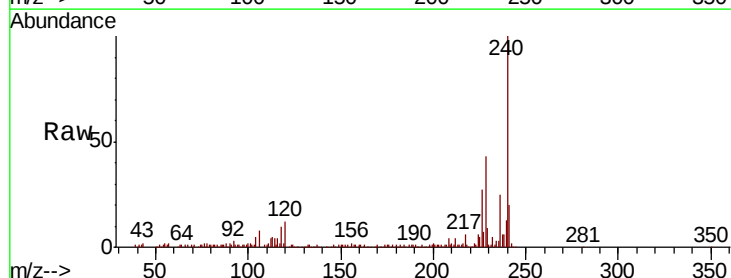
Tgt Ion:240 Resp: 114563

Ion Ratio Lower Upper

240 100

120 12.0 8.3 12.5

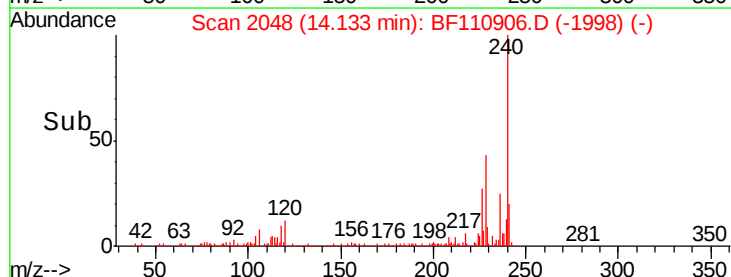
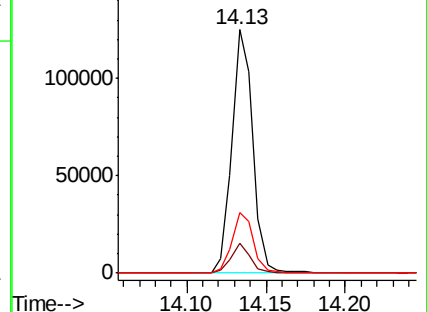
236 24.8 21.2 31.8

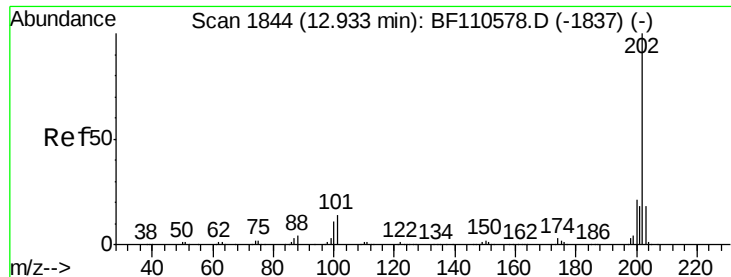


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 38.718 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.00 min

Lab File: BF110906.D

Acq: 20 Nov 2018 20:40

Instrument :

BNA_F

ClientSampleId :

DTW-02(11-13)MSDL

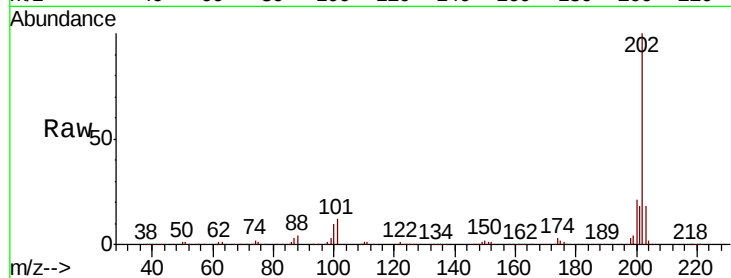
Tgt Ion:202 Resp: 341537

Ion Ratio Lower Upper

202 100

200 21.2 17.8 26.6

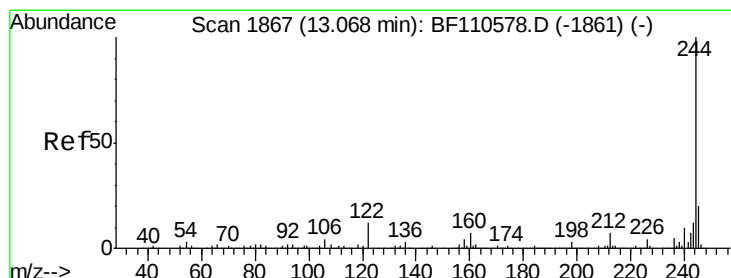
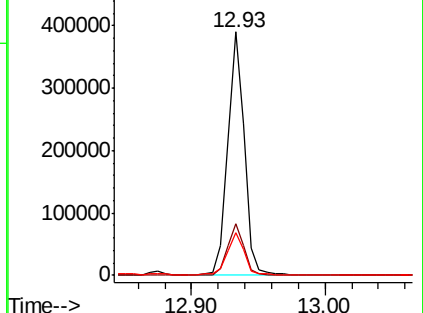
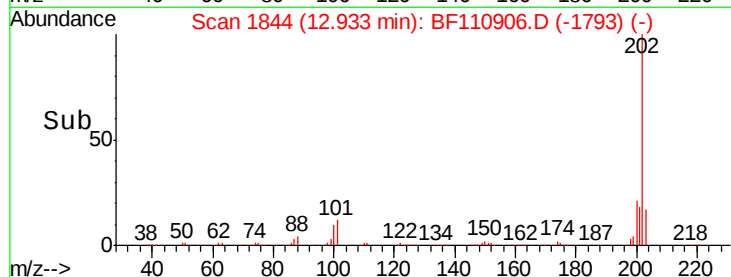
203 17.7 14.2 21.4



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: 2.063 ng

RT: 13.06 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BF110906.D

Acq: 20 Nov 2018 20:40

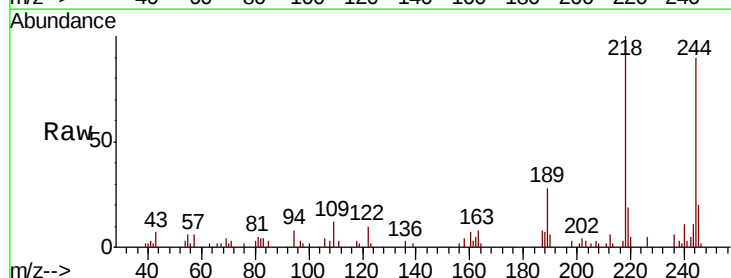
Tgt Ion:244 Resp: 12618

Ion Ratio Lower Upper

244 100

212 6.3 5.8 8.8

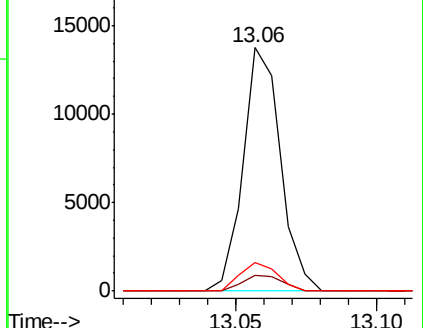
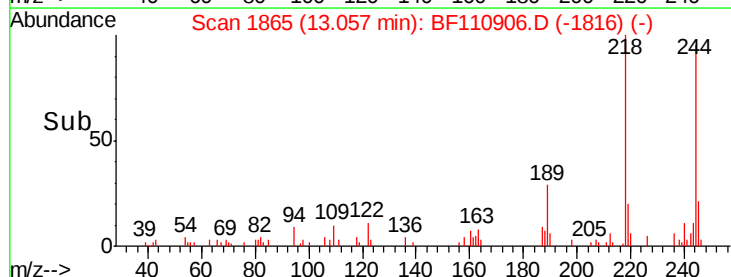
122 11.6 8.7 13.1

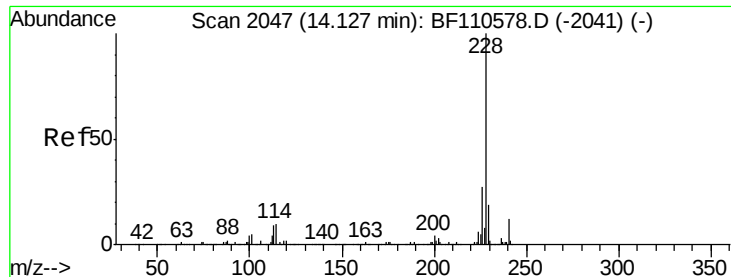


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

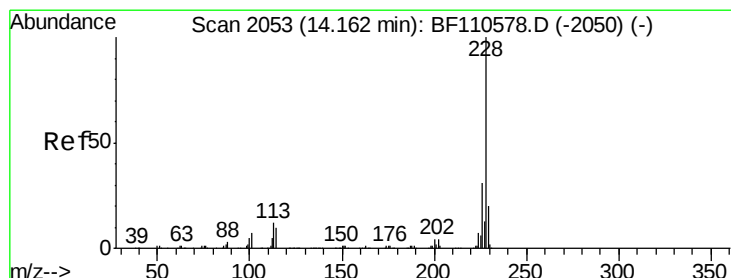
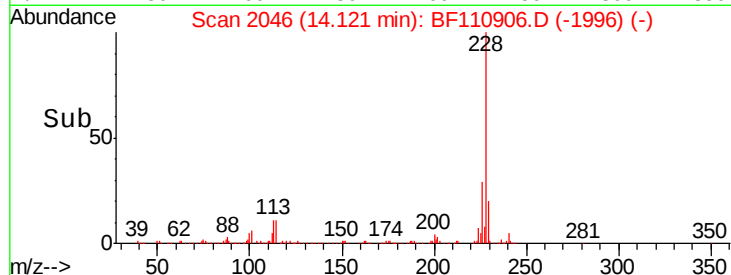
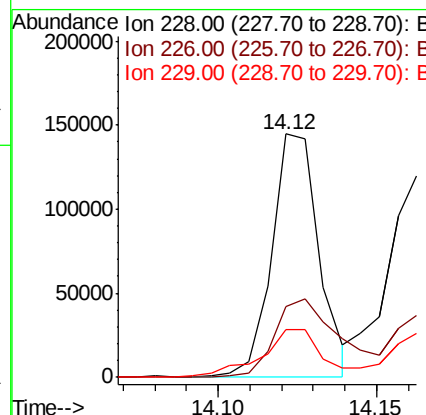
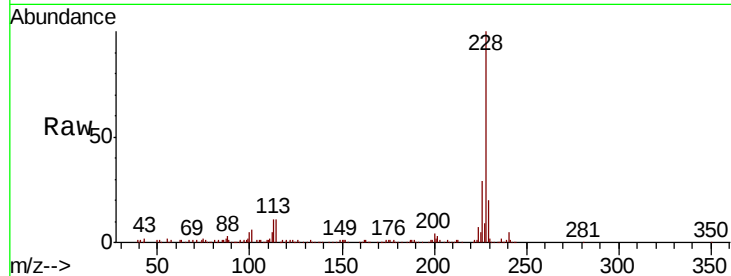




#81
Benzo(a)anthracene
Concen: 21.843 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.01 min
Lab File: BF110906.D
Acq: 20 Nov 2018 20:40

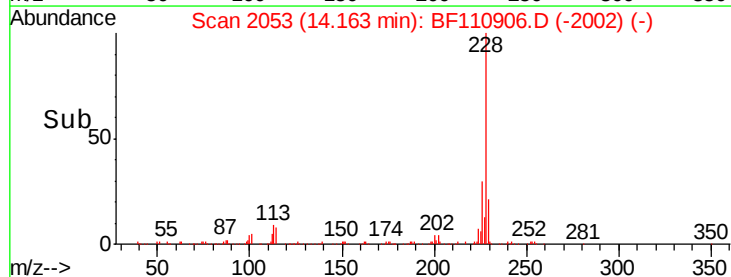
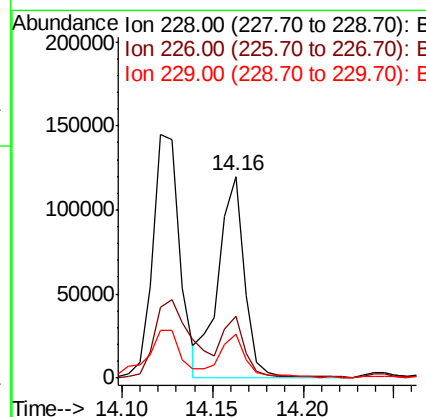
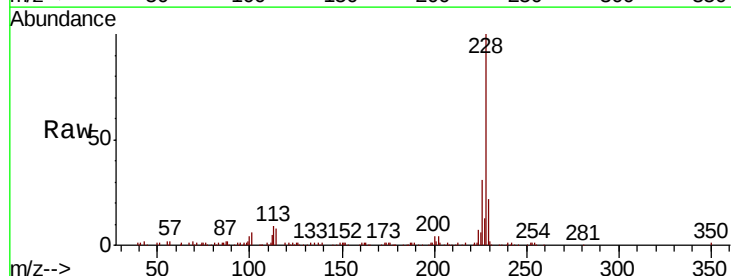
Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)MSDL

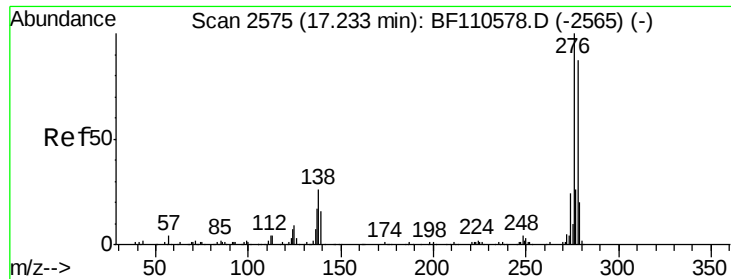
Tgt Ion:228 Resp: 149572
Ion Ratio Lower Upper
228 100
226 29.2 22.1 33.1
229 19.9 15.6 23.4



#83
Chrysene
Concen: 18.474 ng
RT: 14.16 min Scan# 2053
Delta R.T. 0.00 min
Lab File: BF110906.D
Acq: 20 Nov 2018 20:40

Tgt Ion:228 Resp: 120518
Ion Ratio Lower Upper
228 100
226 30.8 24.7 37.1
229 21.6 15.9 23.9

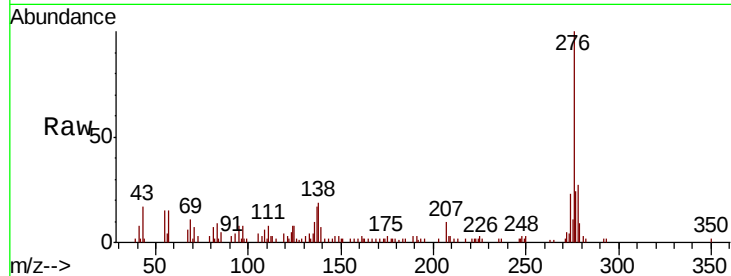




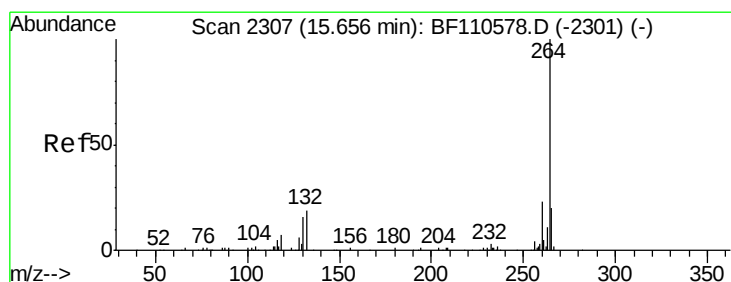
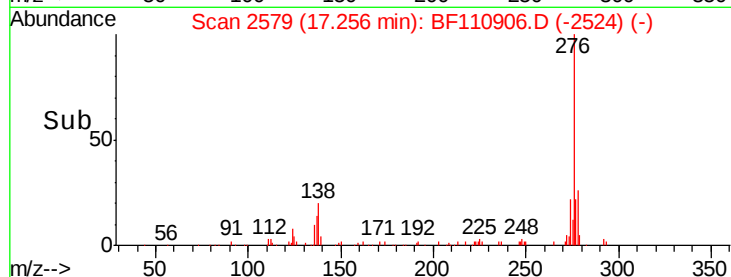
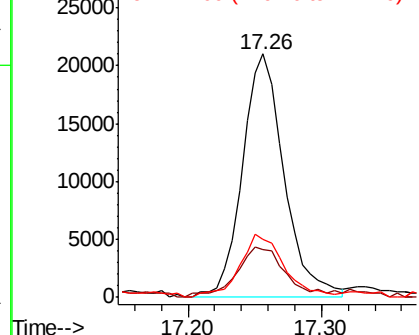
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 9.714 ng
 RT: 17.26 min Scan# 2579
 Delta R.T. 0.02 min
 Lab File: BF110906.D
 Acq: 20 Nov 2018 20:40

Instrument :
 BNA_F
 ClientSampleId :
 DTW-02(11-13)MSDL

Tgt Ion: 276 Resp: 45473
 Ion Ratio Lower Upper
 276 100
 138 24.8 18.5 27.7
 277 27.4 20.0 30.0

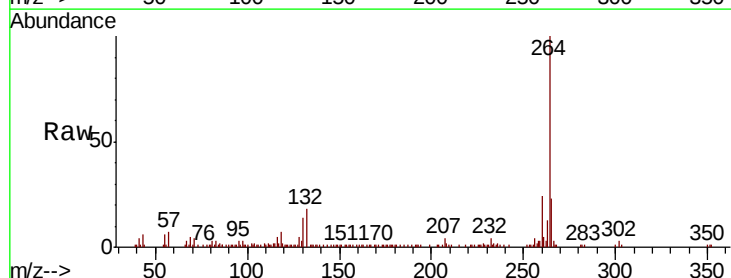


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

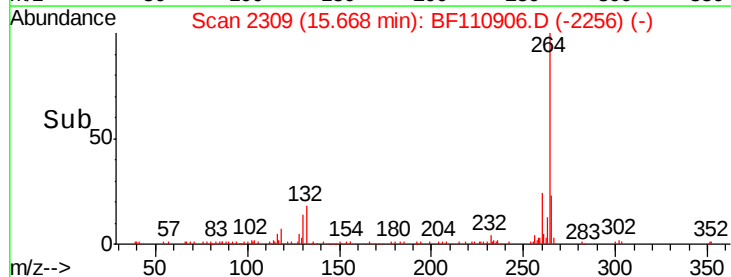
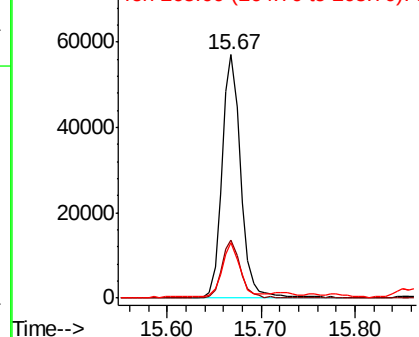


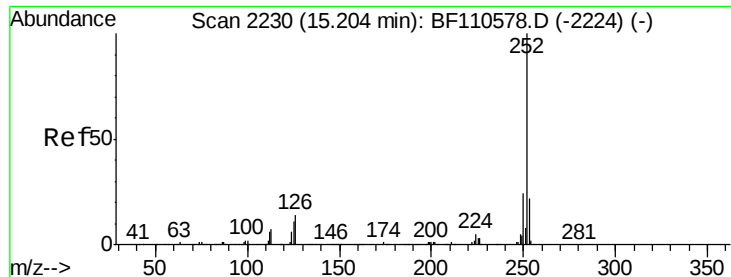
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.67 min Scan# 2309
 Delta R.T. 0.01 min
 Lab File: BF110906.D
 Acq: 20 Nov 2018 20:40

Tgt Ion: 264 Resp: 79937
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.7 28.1
 265 22.8 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

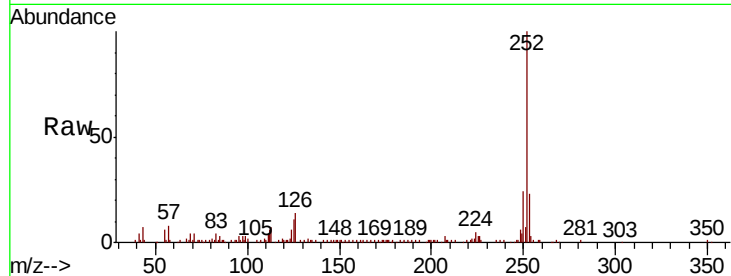




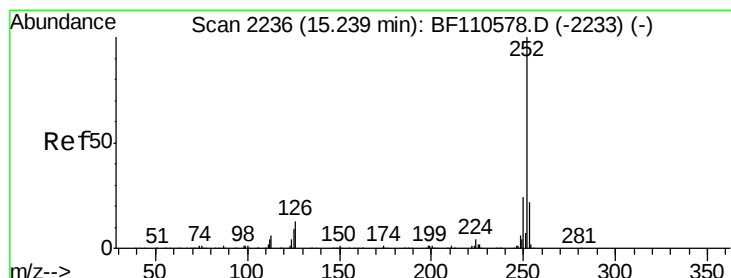
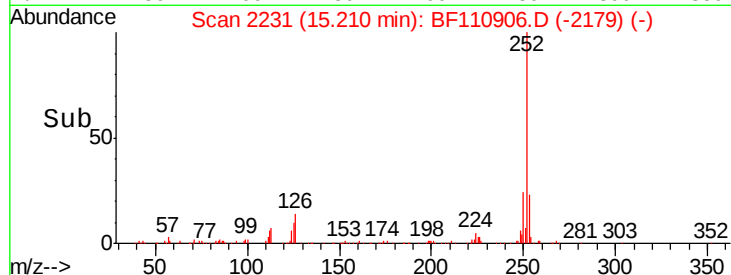
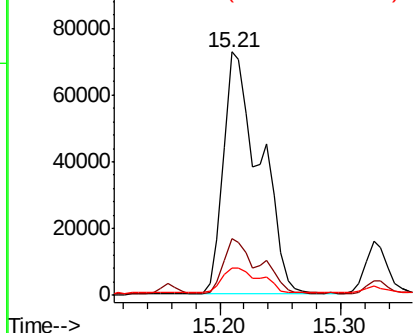
#88
Benzo(b)fluoranthene
Concen: 32.047 ng
RT: 15.21 min Scan# 2231
Delta R.T. 0.01 min
Lab File: BF110906.D
Acq: 20 Nov 2018 20:40

Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)MSDL

Tgt Ion:252 Resp: 153252
Ion Ratio Lower Upper
252 100
253 23.4 17.2 25.8
125 11.2 8.2 12.4

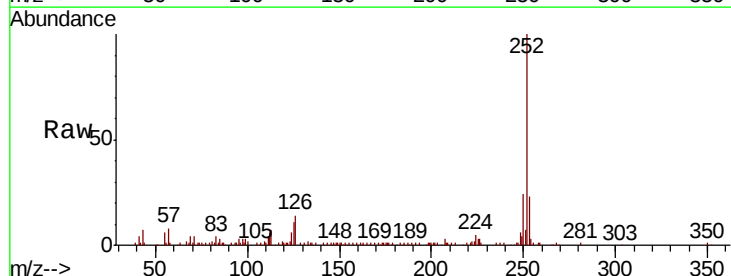


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

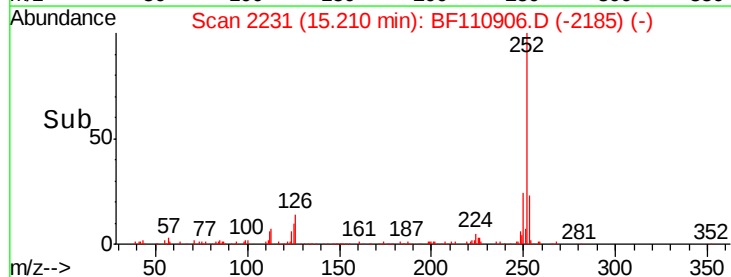
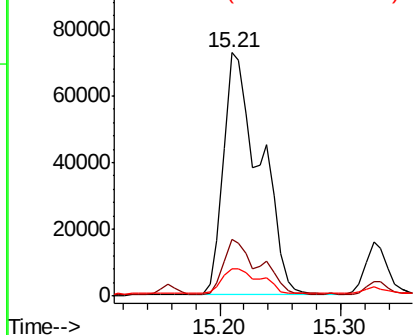


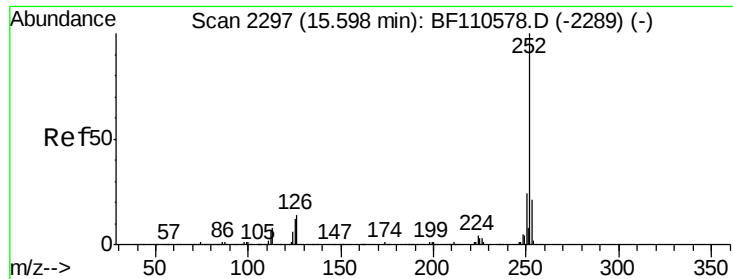
#89
Benzo(k)fluoranthene
Concen: 32.432 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.03 min
Lab File: BF110906.D
Acq: 20 Nov 2018 20:40

Tgt Ion:252 Resp: 153252
Ion Ratio Lower Upper
252 100
253 23.4 17.2 25.8
125 11.2 7.4 11.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 18.571 ng

RT: 15.60 min Scan# 2298

Delta R.T. 0.01 min

Lab File: BF110906.D

Acq: 20 Nov 2018 20:40

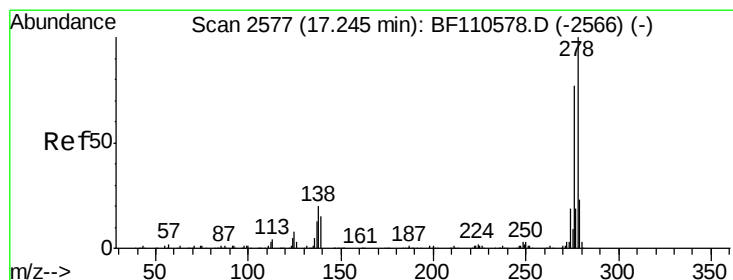
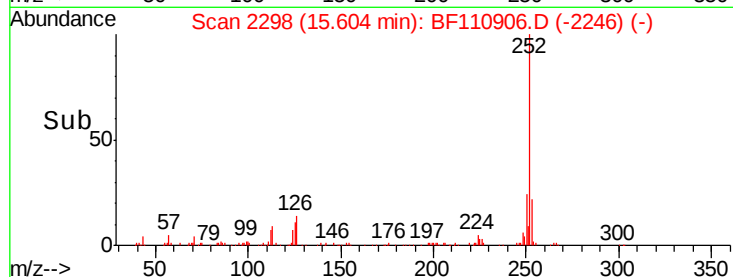
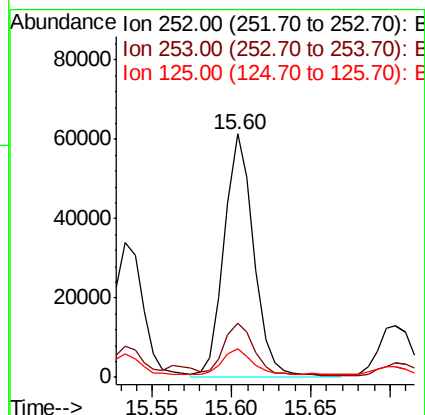
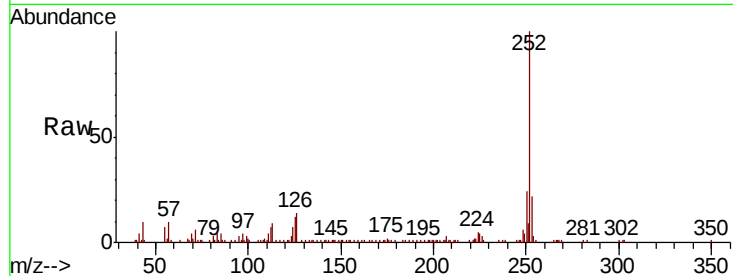
Instrument :

BNA_F

ClientSampleId :

DTW-02(11-13)MSDL

Tgt Ion:	252	Resp:	80687
Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.4
125	12.0	9.0	13.6



#91

Dibenzo(a,h)anthracene

Concen: 3.812 ng

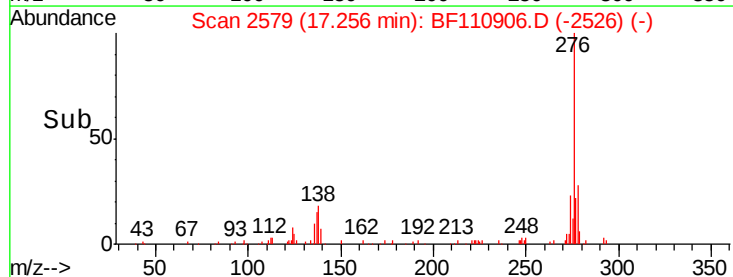
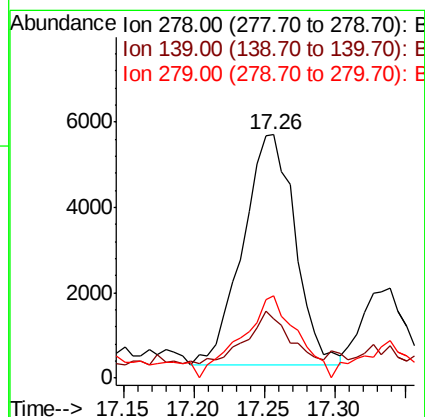
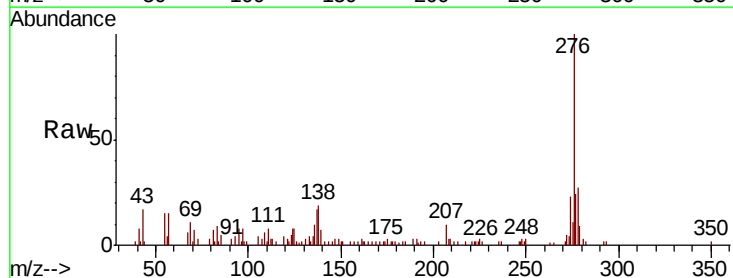
RT: 17.26 min Scan# 2579

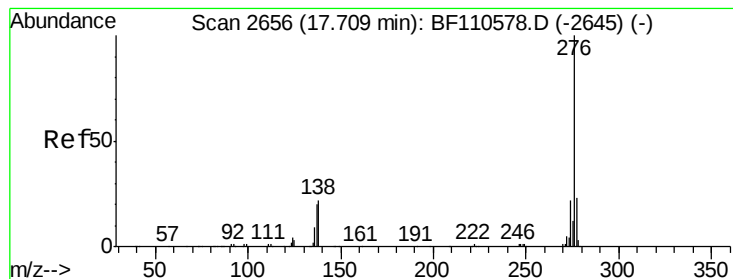
Delta R.T. 0.01 min

Lab File: BF110906.D

Acq: 20 Nov 2018 20:40

Tgt Ion:	278	Resp:	14017
Ion	Ratio	Lower	Upper
278	100		
139	24.1	12.7	19.1#
279	33.7	19.0	28.4#





#92

Benzo(g,h,i)perylene

Concen: 10.863 ng

RT: 17.74 min Scan# 2662

Delta R.T. 0.04 min

Lab File: BF110906.D

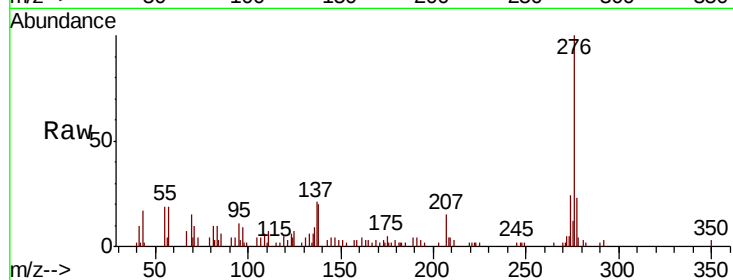
Acq: 20 Nov 2018 20:40

Instrument :

BNA_F

ClientSampleId :

DTW-02(11-13)MSDL



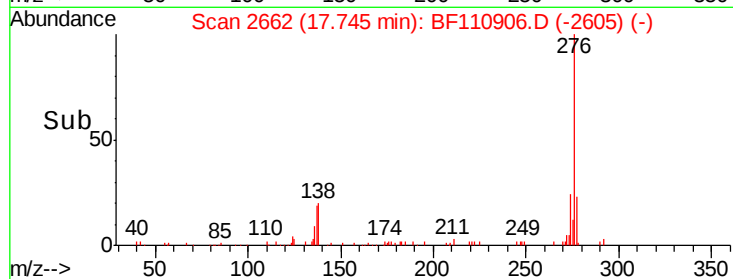
Tgt Ion: 276 Resp: 39629

Ion Ratio Lower Upper

276 100

277 23.5 18.8 28.2

138 20.5 16.0 24.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

