

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF011918\
 Data File : BF102219.D
 Acq On : 19 Jan 2018 13:45
 Operator : SJ/JU
 Sample : J1200-03 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A2 SB74 E-S 8

Quant Time: Jan 19 14:31:28 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 19 13:31:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	123464	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	292522	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	219744	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	259648	20.00	ng	0.02
75) Chrysene-d12	13.90	240	166098	20.00	ng	0.03
86) Perylene-d12	15.32	264	221101	20.00	ng	0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	20986	2.40	ng	-0.01
7) Phenol-d6	6.35	99	25549	2.45	ng	-0.02
23) Nitrobenzene-d5	7.28	82	14676	2.95	ng	-0.02
41) 2,4,6-Tribromophenol	10.55	330	3876	2.02	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	29372	2.09	ng	0.00
78) Terphenyl-d14	12.83	244	35611	4.45	ng	0.00

Target Compounds

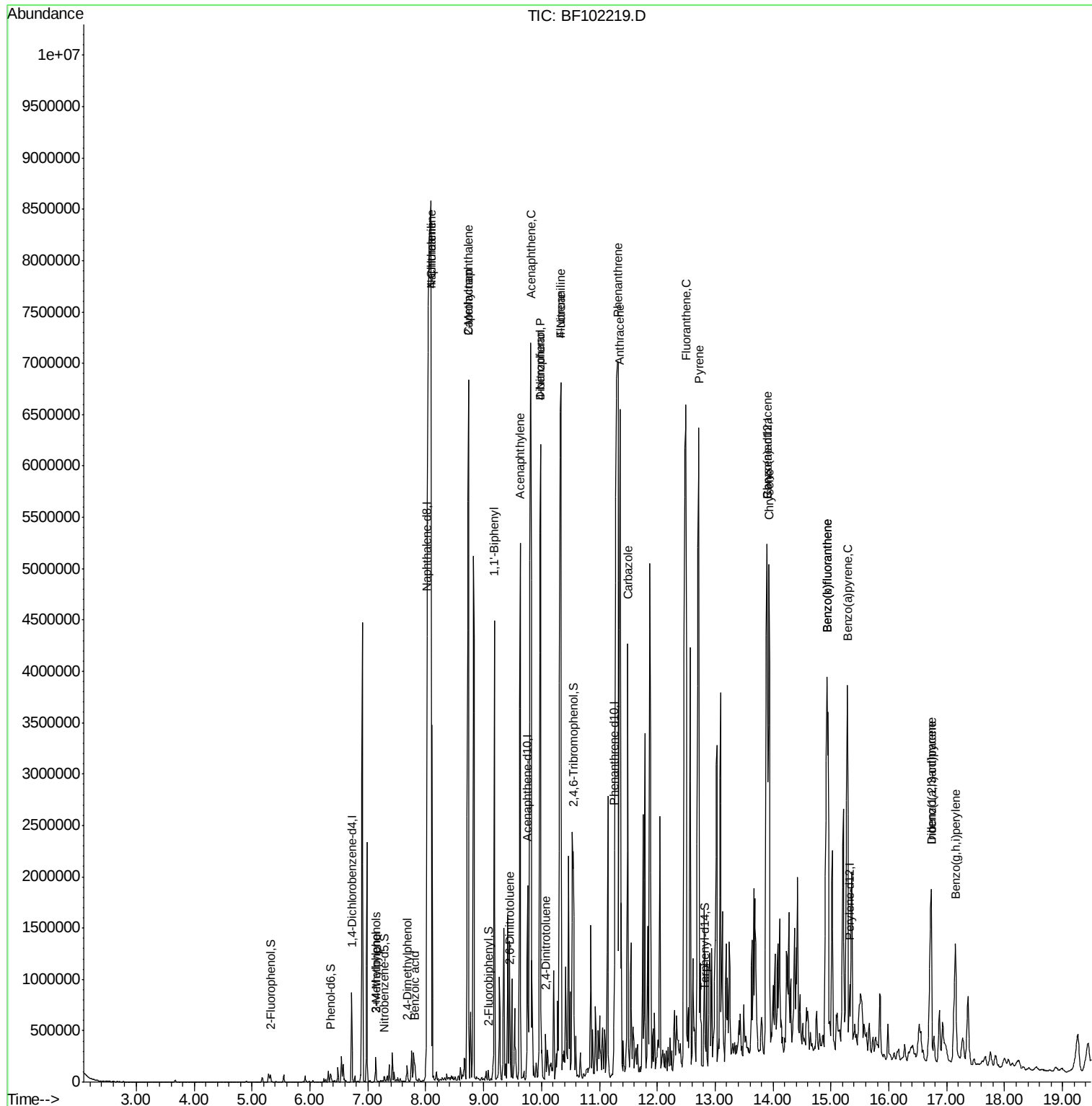
						Qvalue
17) 2-Methylphenol	7.13	107	37610	4.754	ng	90
20) 3+4-Methylphenols	7.13	107	37610	3.960	ng	81
27) 2,4-Dimethylphenol	7.67	122	21957	5.251	ng	99
31) Naphthalene	8.09	128	16253650	1111.981	ng	97
32) Benzoic acid	7.82	122	27479	8.667	ng	# 13
33) 4-Chloroaniline	8.09	127	2415491	387.178	ng	# 38
35) Caprolactam	8.74	113	67874	49.799	ng	# 1
37) 2-Methylnaphthalene	8.74	142	2976211	309.291	ng	98
45) 1,1'-Biphenyl	9.19	154	1341825	69.084	ng	99
48) Acenaphthylene	9.63	152	2748026	114.967	ng	99
50) 2,6-Dinitrotoluene	9.46	165	8732	2.480	ng	# 59
51) Acenaphthene	9.82	154	3129008	215.675	ng	99
54) Dibenzofuran	9.99	168	3870471	194.386	ng	96
55) 4-Nitrophenol	9.99	139	1571065	474.383	ng	# 10
56) 2,4-Dinitrotoluene	10.07	165	13458	3.049	ng	# 66
57) Fluorene	10.33	166	3760019	273.168	ng	99
61) 4-Nitroaniline	10.33	138	45189	10.715	ng	# 22
70) Phenanthrene	11.31	178	9755661	643.221	ng	99
71) Anthracene	11.36	178	3721205	241.919	ng	98
72) Carbazole	11.49	167	2233642	147.737	ng	99
74) Fluoranthene	12.49	202	7357074	493.029	ng	98
77) Pyrene	12.72	202	5502737	374.794	ng	98
80) Benzo(a)anthracene	13.89	228	3187794	300.806	ng	# 87
82) Chrysene	13.93	228	2268026	205.245	ng	96
85) Indeno(1,2,3-cd)pyrene	16.73	276	1268459	157.714	ng	96
87) Benzo(b)fluoranthene	14.93	252	4162857	288.756	ng	# 94
88) Benzo(k)fluoranthene	14.93	252	4162857	299.331	ng	97
89) Benzo(a)pyrene	15.29	252	2442850	188.305	ng	95
90) Dibenzo(a,h)anthracene	16.73	278	370161	35.755	ng	94
91) Benzo(g,h,i)perylene	17.15	276	1023693	98.163	ng	98

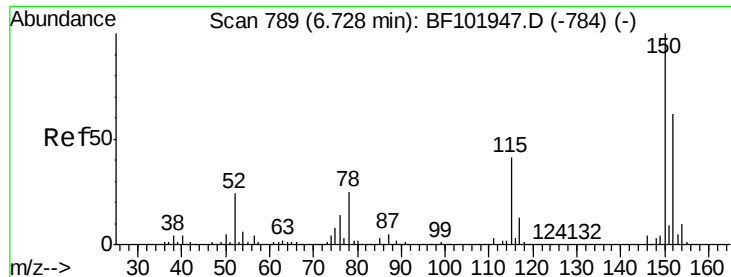
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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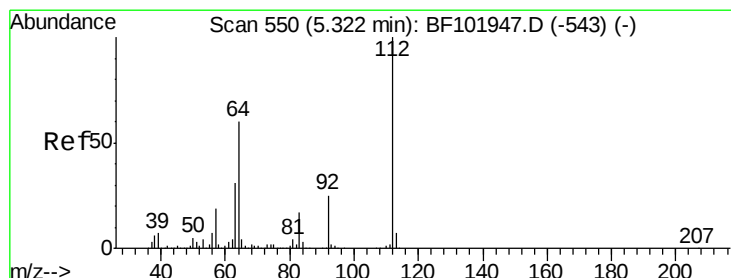
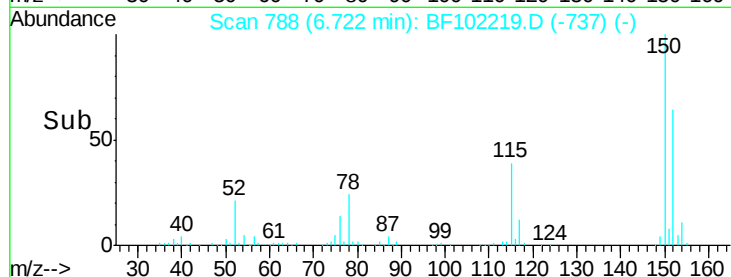
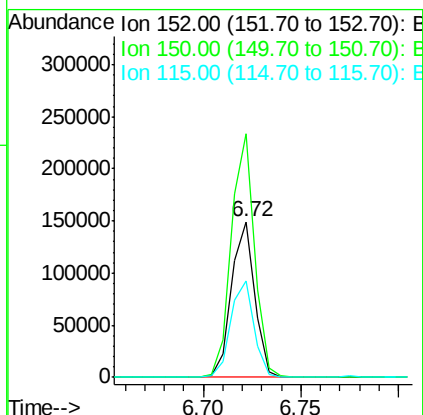
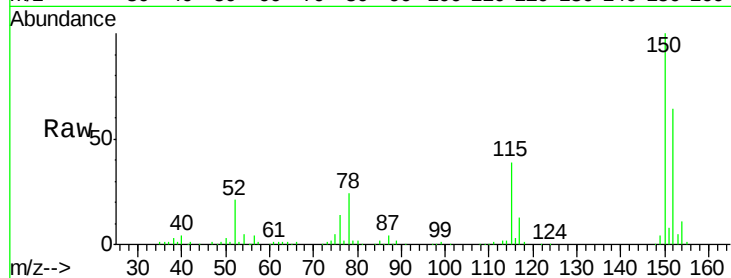


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF102219.D
Acq: 19 Jan 2018 13:45

Instrument :
BNA_F
ClientSampleId :
A2 SB74 E-S 8

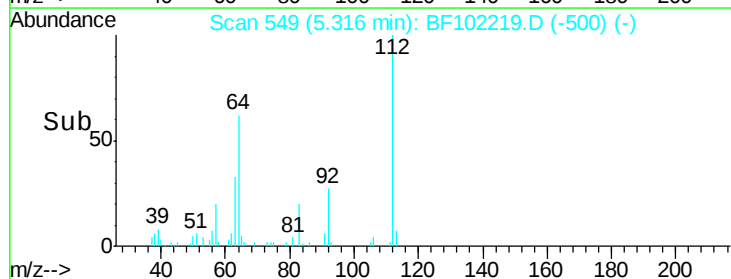
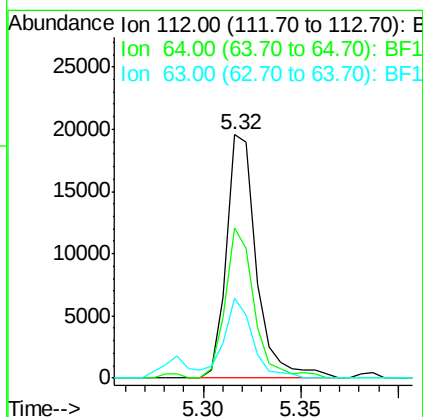
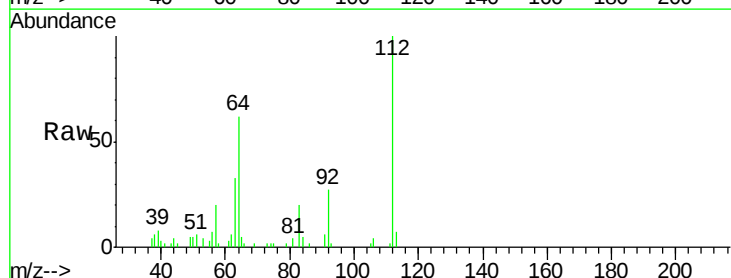
Tgt Ion:152 Resp: 123464
Ion Ratio Lower Upper
152 100
150 156.5 124.6 186.8
115 61.7 50.1 75.1



#5

2-Fluorophenol
Concen: 2.400 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.01 min
Lab File: BF102219.D
Acq: 19 Jan 2018 13:45

Tgt Ion:112 Resp: 20986
Ion Ratio Lower Upper
112 100
64 61.5 47.9 71.9
63 32.7 23.7 35.5





#7

Phenol-d6

Concen: 2.449 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF102219.D

Acq: 19 Jan 2018 13:45

Instrument :

BNA_F

ClientSampleId :

A2 SB74 E-S 8

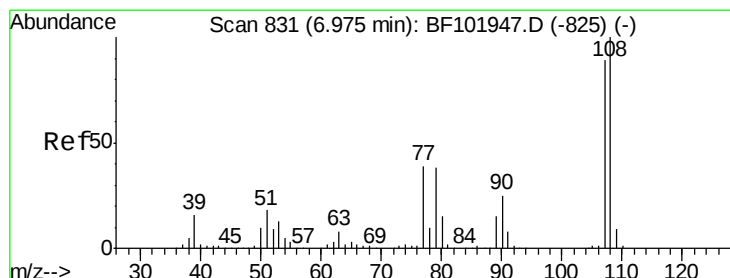
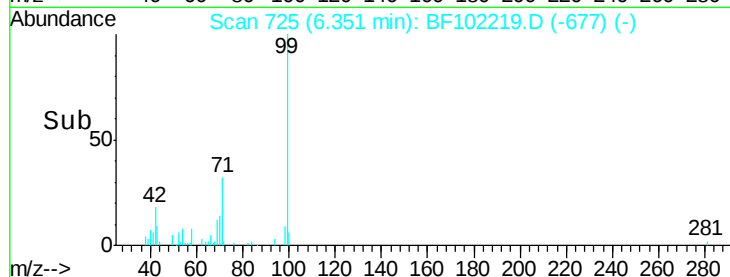
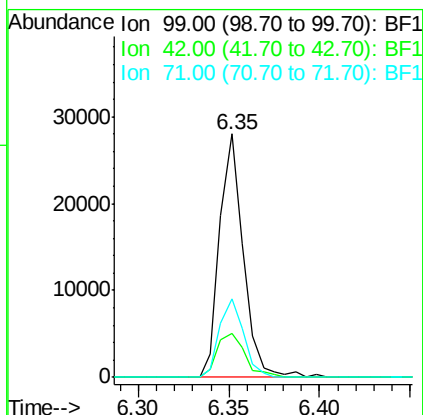
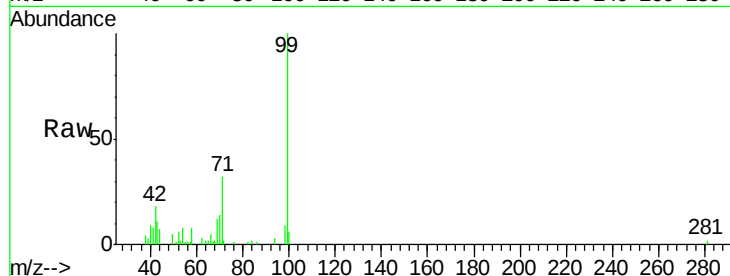
Tgt Ion: 99 Resp: 25549

Ion Ratio Lower Upper

99 100

42 18.0 14.5 21.7

71 32.0 25.4 38.0



#17

2-Methylphenol

Concen: 4.754 ng

RT: 7.13 min Scan# 858

Delta R.T. 0.15 min

Lab File: BF102219.D

Acq: 19 Jan 2018 13:45

Tgt Ion: 107 Resp: 37610

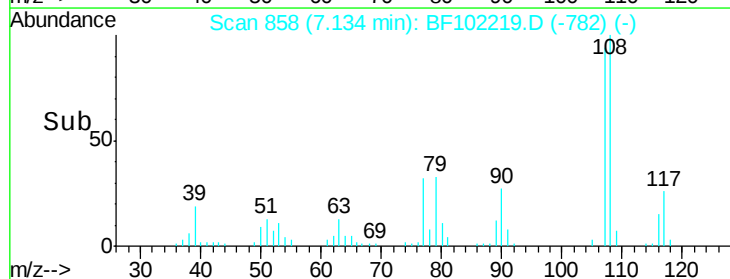
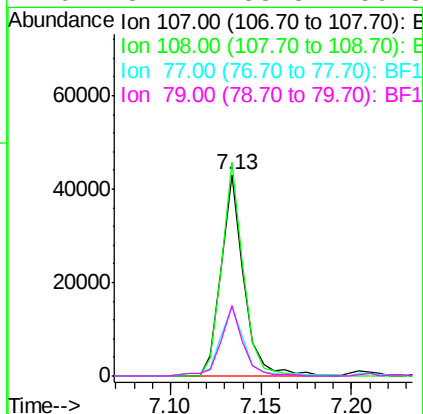
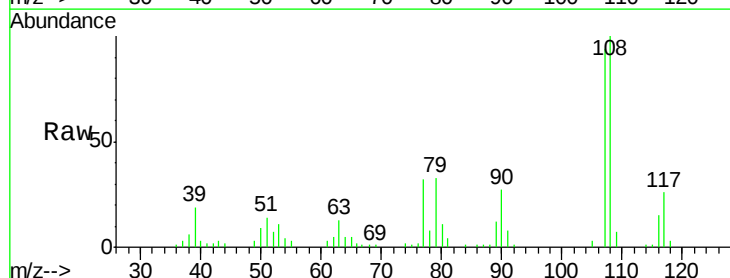
Ion Ratio Lower Upper

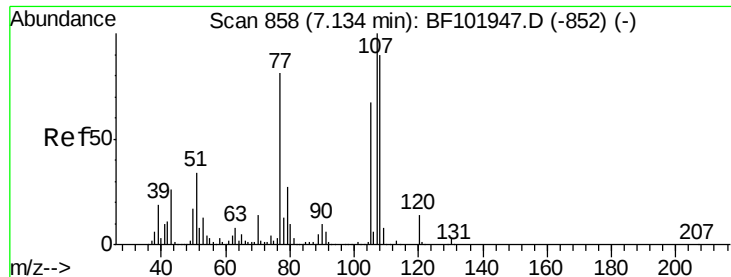
107 100

108 106.0 91.7 137.5

77 34.2 33.8 50.8

79 34.7 33.8 50.8





#20

3+4-Methylphenols

Concen: 3.960 ng

RT: 7.13 min Scan# 858

Delta R.T. -0.01 min

Lab File: BF102219.D

Acq: 19 Jan 2018 13:45

Instrument :

BNA_F

ClientSampleId :

A2 SB74 E-S 8

Tgt Ion:107 Resp: 37610

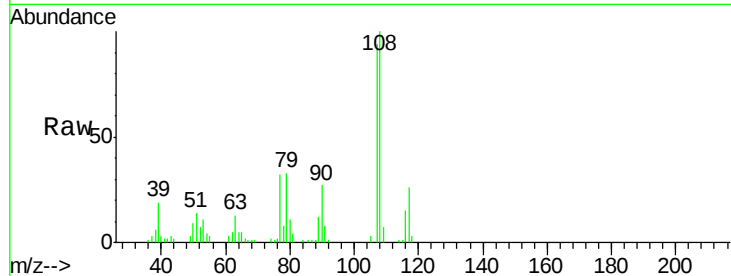
Ion Ratio Lower Upper

107 100

108 106.0 68.2 108.2

77 34.2 26.7 66.7

79 34.7 6.3 46.3

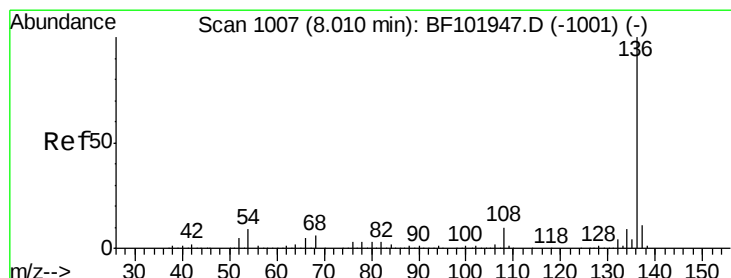
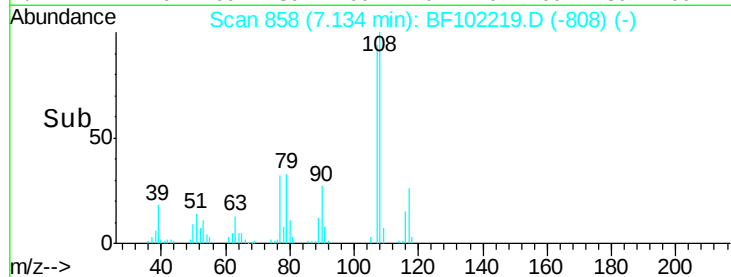
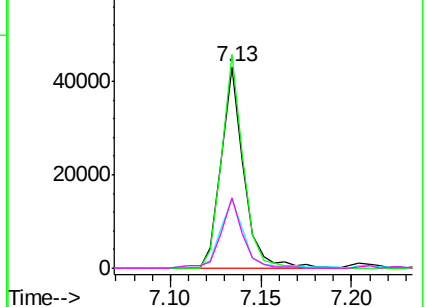


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1008

Delta R.T. 0.01 min

Lab File: BF102219.D

Acq: 19 Jan 2018 13:45

Tgt Ion:136 Resp: 292522

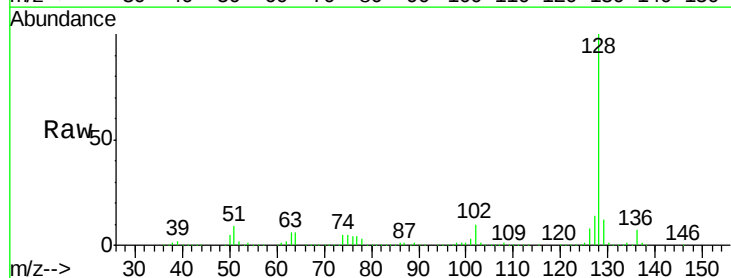
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.6 6.6 9.8

68 6.2 5.0 7.4

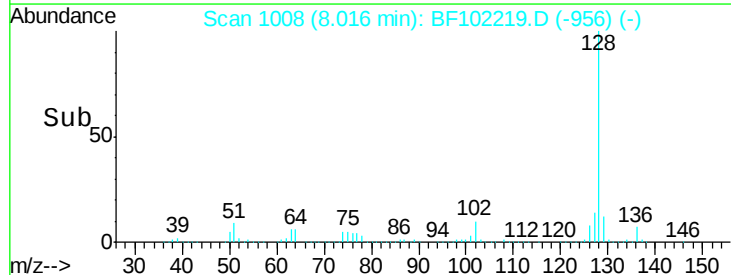
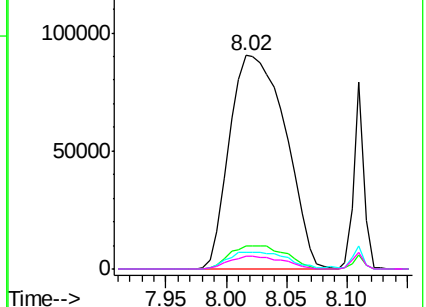


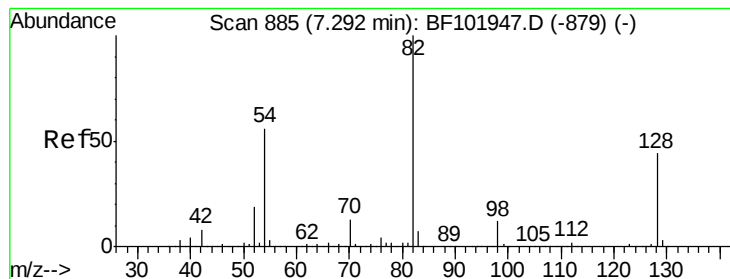
Abundance Ion 136.00 (135.70 to 136.70): E

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: 2.948 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.02 min

Lab File: BF102219.D

Acq: 19 Jan 2018 13:45

Instrument :

BNA_F

ClientSampleId :

A2 SB74 E-S 8

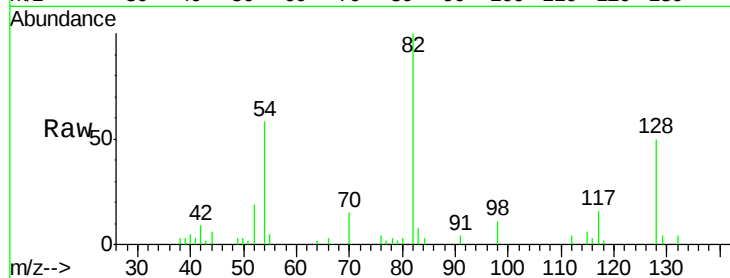
Tgt Ion: 82 Resp: 14676

Ion Ratio Lower Upper

82 100

128 50.0 36.1 54.1

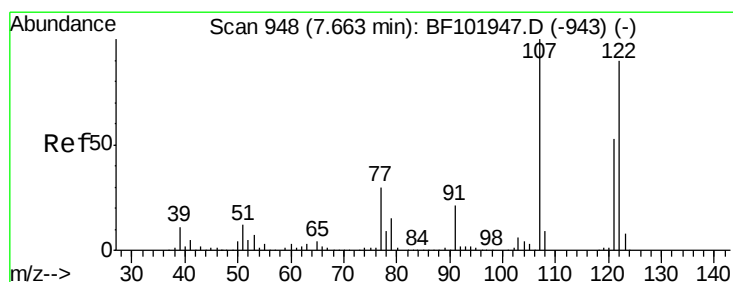
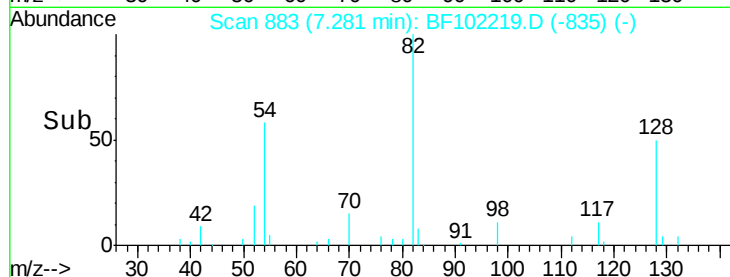
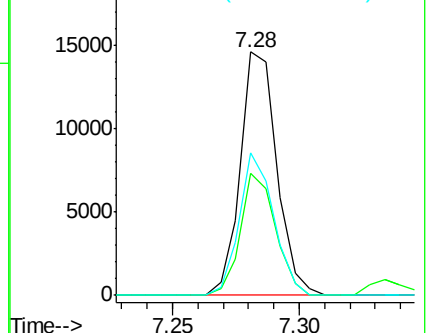
54 58.4 41.4 62.2



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



#27

2,4-Dimethylphenol

Concen: 5.251 ng

RT: 7.67 min Scan# 950

Delta R.T. 0.01 min

Lab File: BF102219.D

Acq: 19 Jan 2018 13:45

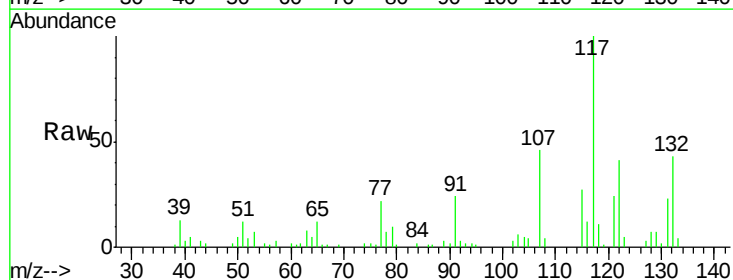
Tgt Ion: 122 Resp: 21957

Ion Ratio Lower Upper

122 100

107 112.5 91.2 136.8

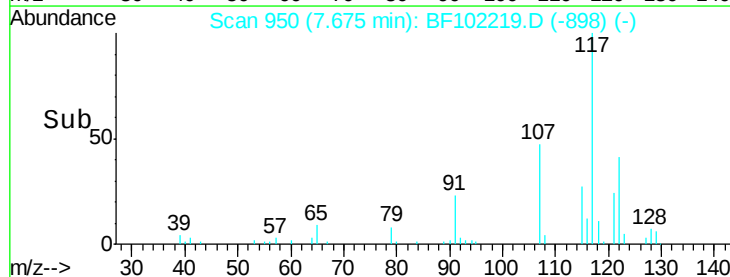
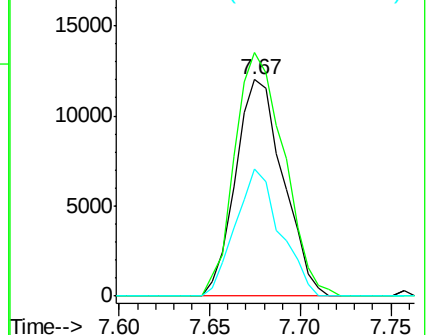
121 58.7 47.2 70.8

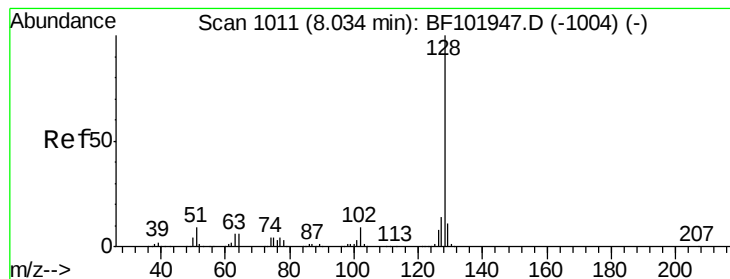


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 107.00 (106.70 to 107.70): BF1

Ion 121.00 (120.70 to 121.70): BF1





#31

Naphthalene

Concen: 1111.981 ng

RT: 8.09 min Scan# 1021

Delta R.T. 0.06 min

Lab File: BF102219.D

Acq: 19 Jan 2018 13:45

Instrument :

BNA_F

ClientSampleId :

A2 SB74 E-S 8

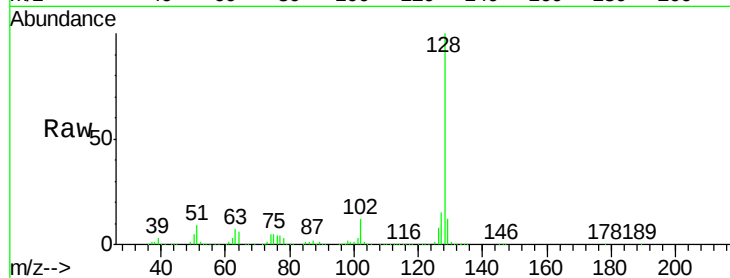
Tgt Ion:128 Resp:16253650

Ion Ratio Lower Upper

128 100

129 11.7 8.8 13.2

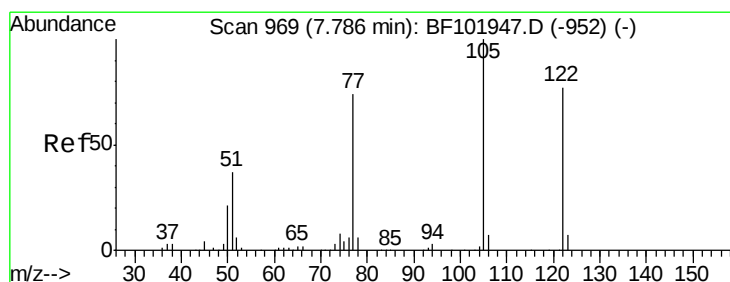
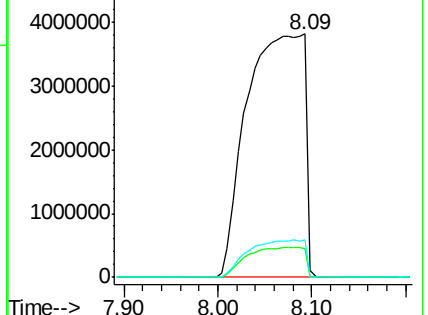
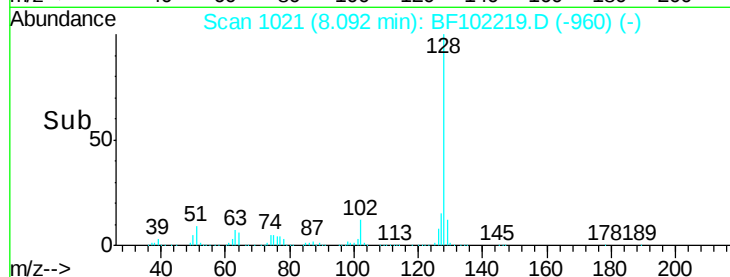
127 15.2 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 8.667 ng

RT: 7.82 min Scan# 975

Delta R.T. 0.02 min

Lab File: BF102219.D

Acq: 19 Jan 2018 13:45

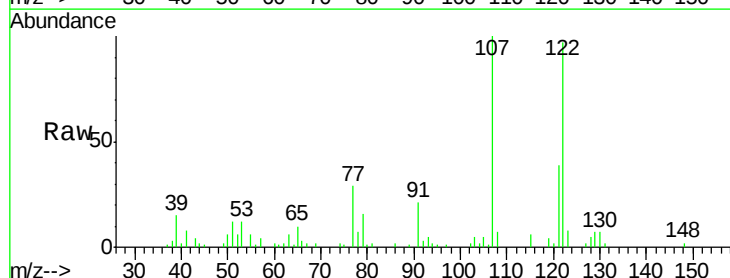
Tgt Ion:122 Resp: 27479

Ion Ratio Lower Upper

122 100

105 4.7 101.1 141.1#

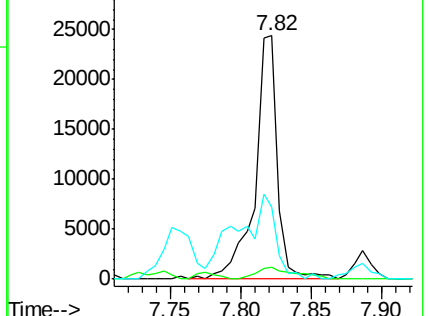
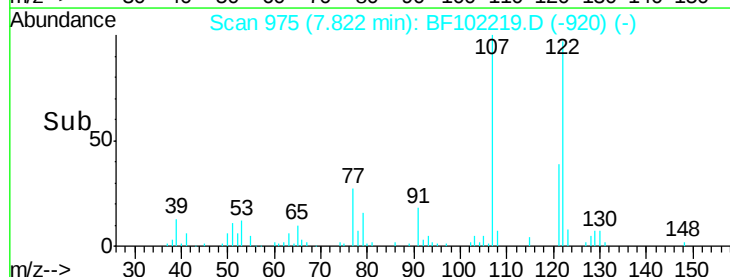
77 29.6 70.7 110.7#

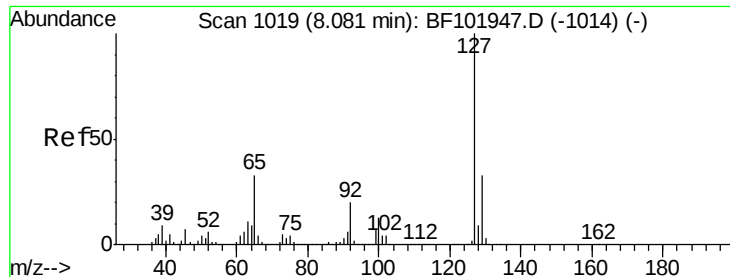


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

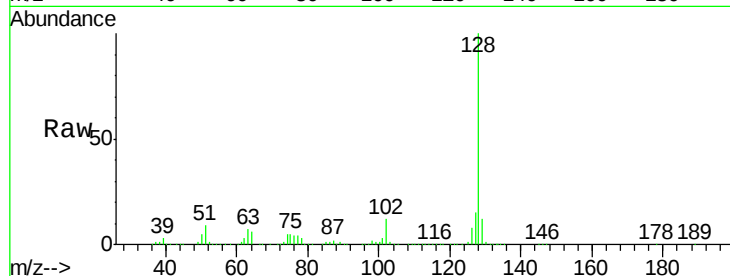




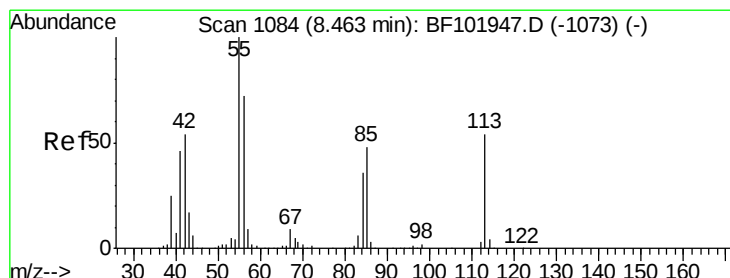
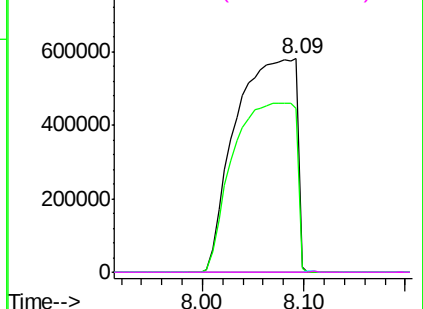
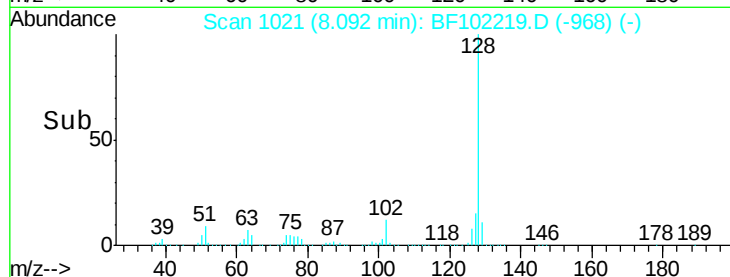
#33
4-Chloroaniline
Concen: 387.178 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.01 min
Lab File: BF102219.D
Acq: 19 Jan 2018 13:45

Instrument :
BNA_F
ClientSampleId :
A2 SB74 E-S 8

Tgt Ion:127 Resp: 2415491
Ion Ratio Lower Upper
127 100
129 76.9 25.9 38.9#
65 0.0 25.0 37.4#
92 0.0 15.2 22.8#

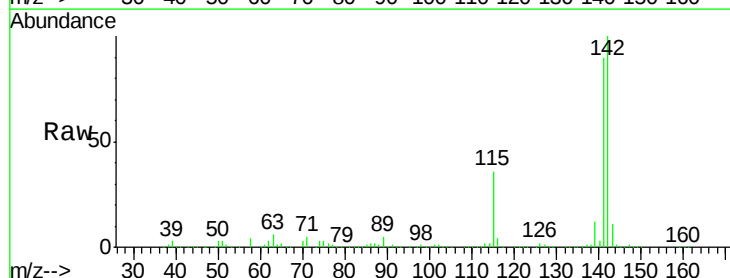


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

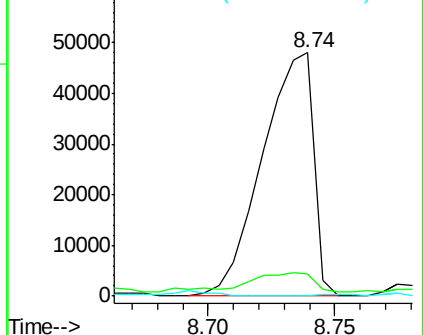
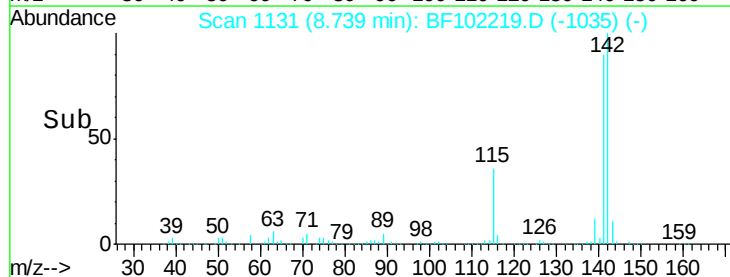


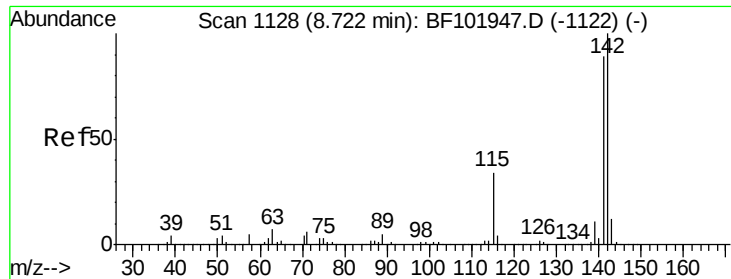
#35
Caprolactam
Concen: 49.799 ng
RT: 8.74 min Scan# 1131
Delta R.T. 0.26 min
Lab File: BF102219.D
Acq: 19 Jan 2018 13:45

Tgt Ion:113 Resp: 67874
Ion Ratio Lower Upper
113 100
55 9.3 163.3 203.3#
56 0.0 115.7 155.7#



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

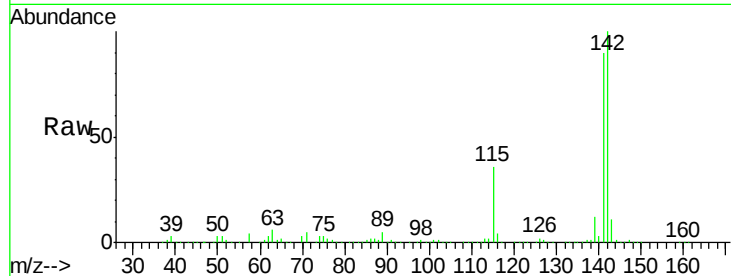




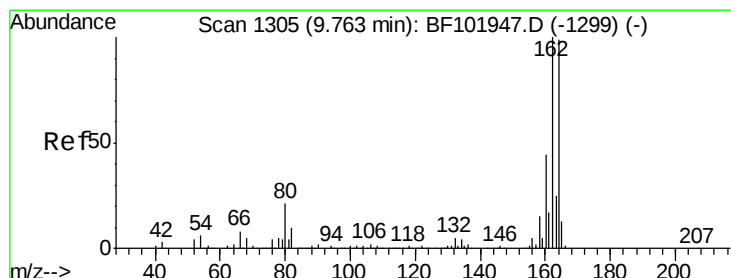
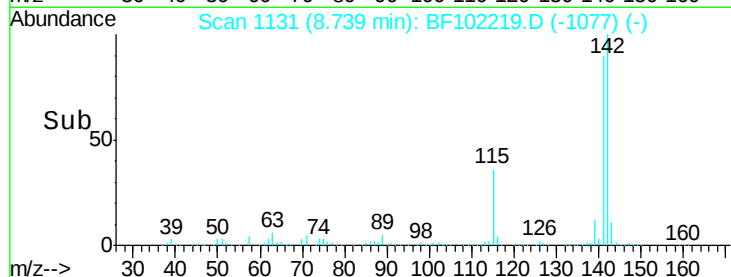
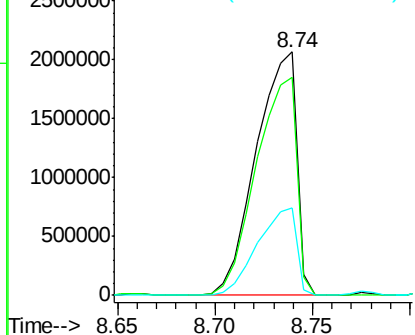
#37
2-Methylnaphthalene
Concen: 309.291 ng
RT: 8.74 min Scan# 1131
Delta R.T. 0.02 min
Lab File: BF102219.D
Acq: 19 Jan 2018 13:45

Instrument :
BNA_F
ClientSampleId :
A2 SB74 E-S 8

Tgt Ion:142 Resp: 2976211
Ion Ratio Lower Upper
142 100
141 89.5 70.8 106.2
115 35.9 26.1 39.1

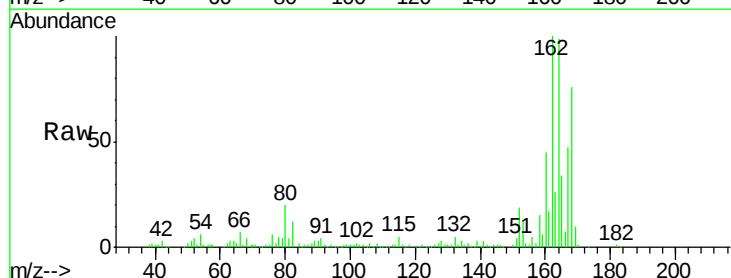


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

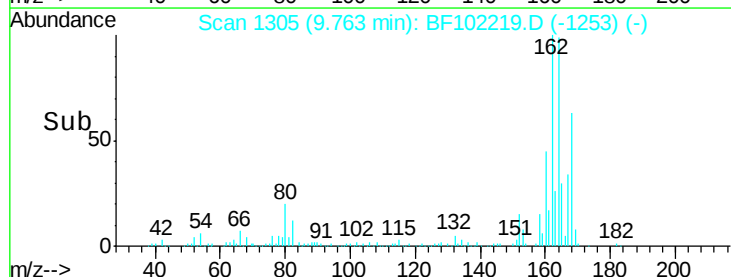
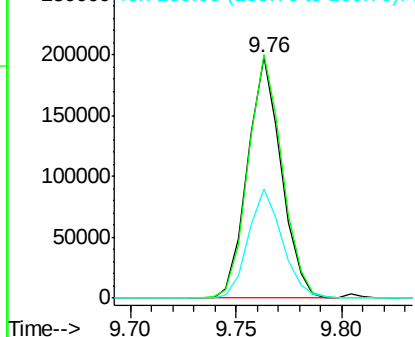


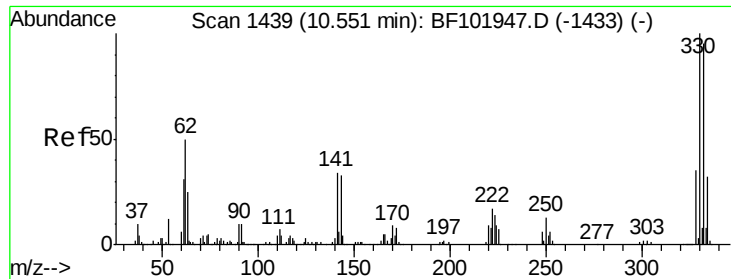
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.01 min
Lab File: BF102219.D
Acq: 19 Jan 2018 13:45

Tgt Ion:164 Resp: 219744
Ion Ratio Lower Upper
164 100
162 101.1 86.1 129.1
160 45.1 38.3 57.5



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

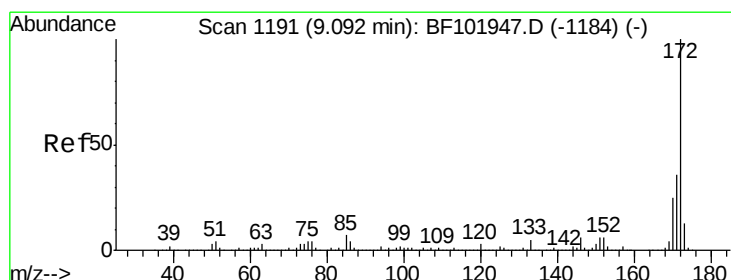
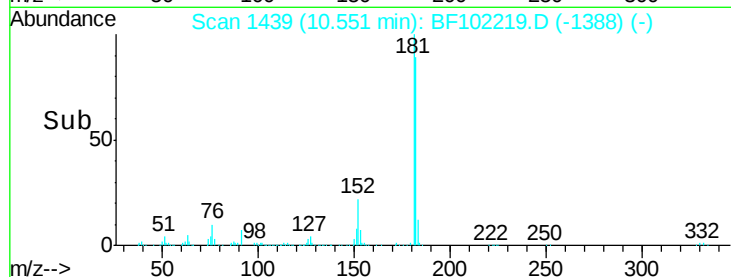
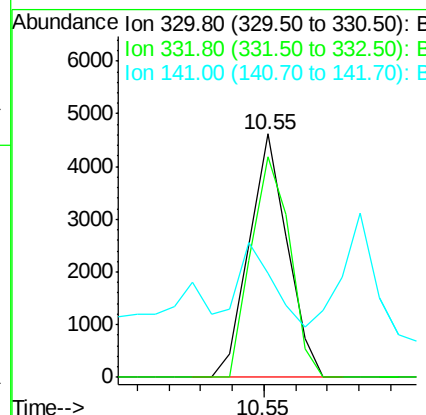
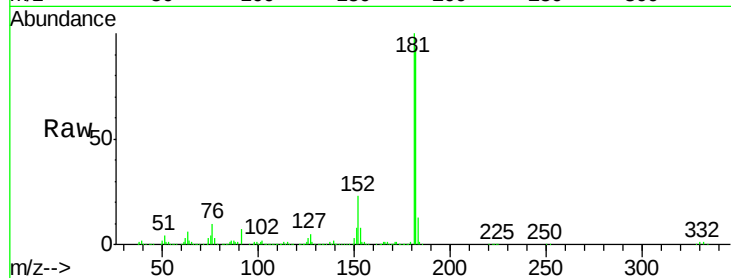




#41
 2,4,6-Tribromophenol
 Concen: 2.021 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BF102219.D
 Acq: 19 Jan 2018 13:45

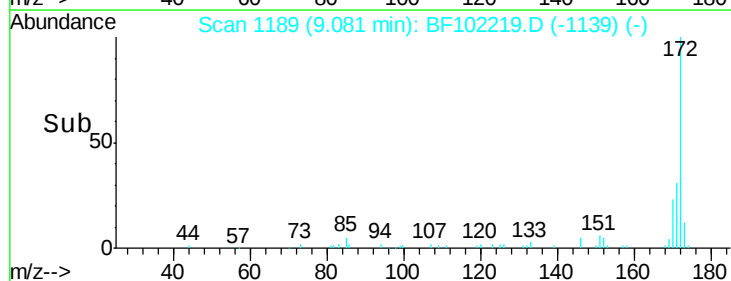
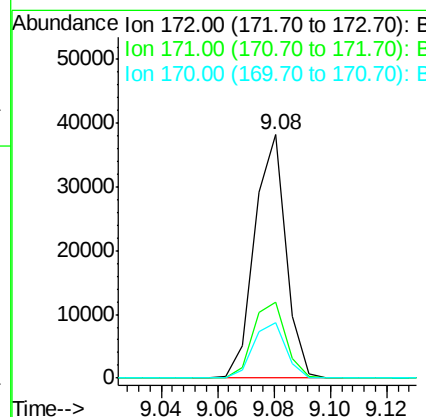
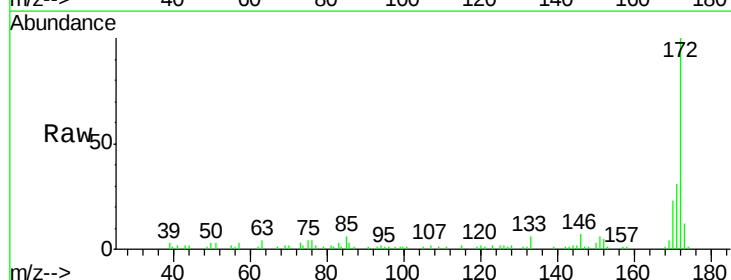
Instrument :
 BNA_F
 ClientSampleId :
 A2 SB74 E-S 8

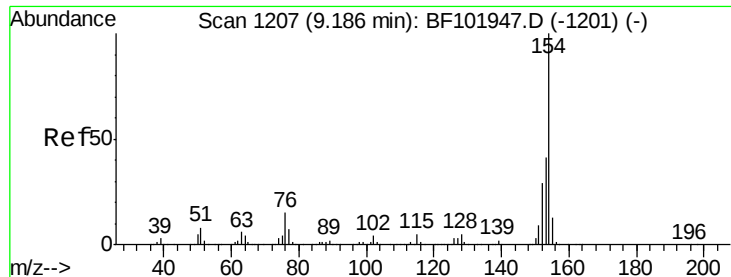
Tgt Ion:330 Resp: 3876
 Ion Ratio Lower Upper
 330 100
 332 91.4 77.0 115.6
 141 41.0 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 2.088 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF102219.D
 Acq: 19 Jan 2018 13:45

Tgt Ion:172 Resp: 29372
 Ion Ratio Lower Upper
 172 100
 171 31.1 29.7 44.5
 170 22.7 19.6 29.4





#45

1,1'-Biphenyl

Concen: 69.084 ng

RT: 9.19 min Scan# 1207

Delta R.T. 0.00 min

Lab File: BF102219.D

Acq: 19 Jan 2018 13:45

Instrument :

BNA_F

ClientSampleId :

A2 SB74 E-S 8

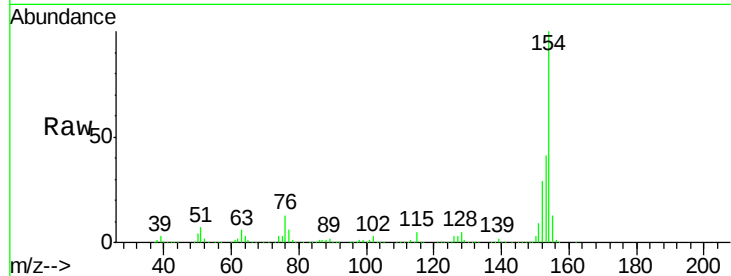
Tgt Ion:154 Resp: 1341825

Ion Ratio Lower Upper

154 100

153 41.0 21.3 61.3

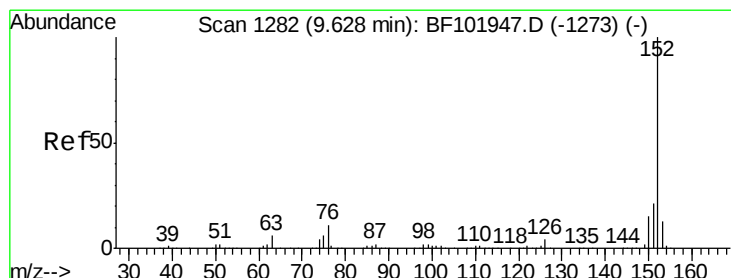
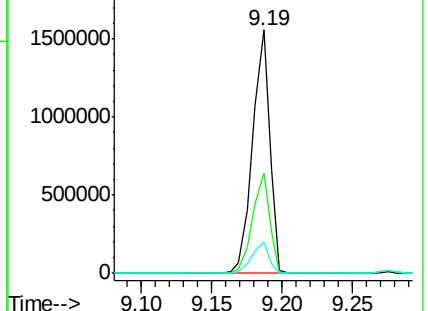
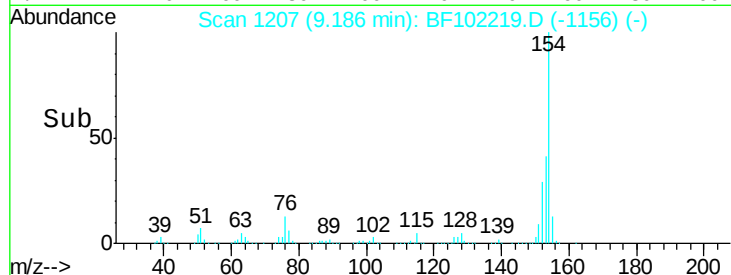
76 13.1 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#48

Acenaphthylene

Concen: 114.967 ng

RT: 9.63 min Scan# 1283

Delta R.T. 0.01 min

Lab File: BF102219.D

Acq: 19 Jan 2018 13:45

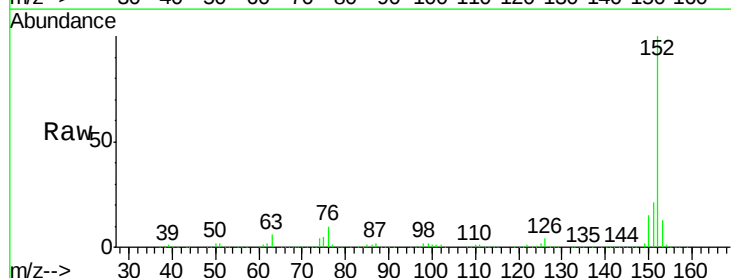
Tgt Ion:152 Resp: 2748026

Ion Ratio Lower Upper

152 100

151 21.3 16.3 24.5

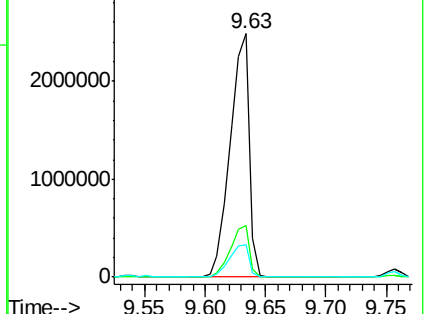
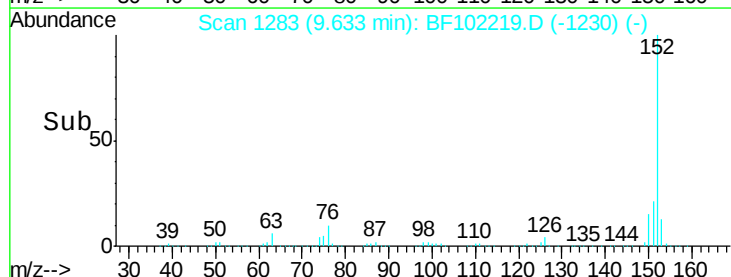
153 13.2 10.7 16.1

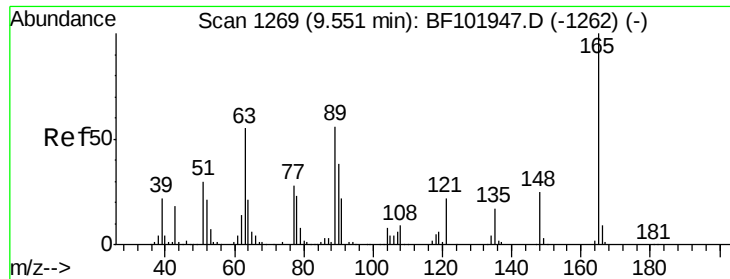


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

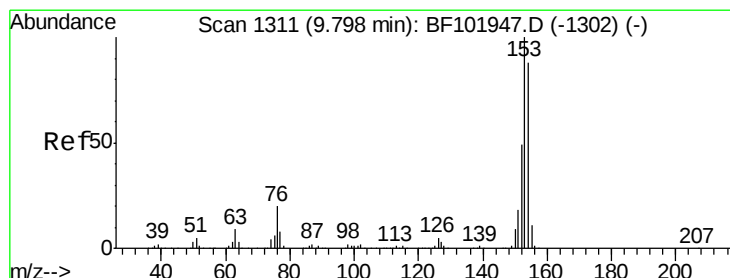
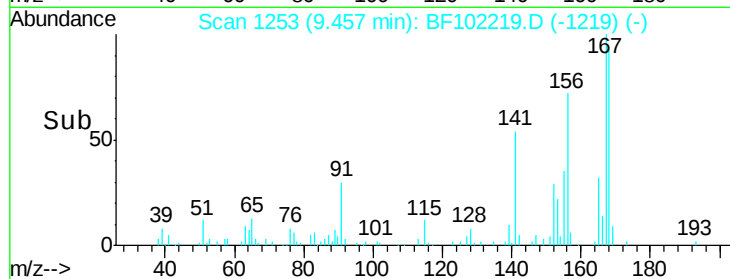
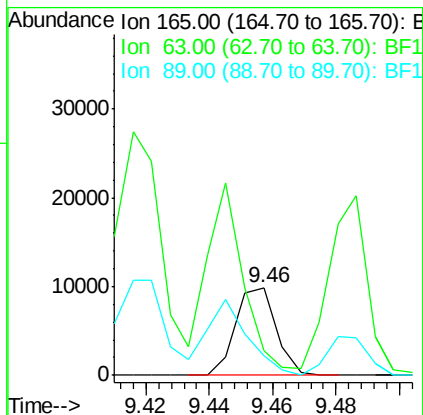
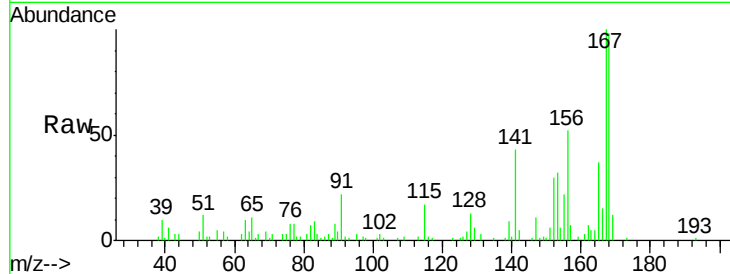




#50
 2,6-Dinitrotoluene
 Concen: 2.480 ng
 RT: 9.46 min Scan# 1253
 Delta R.T. -0.10 min
 Lab File: BF102219.D
 Acq: 19 Jan 2018 13:45

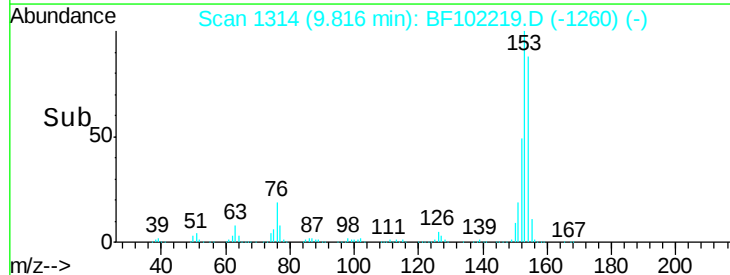
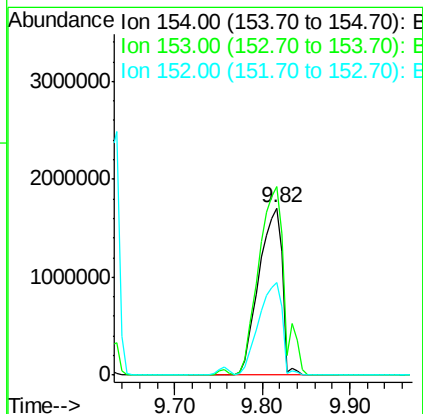
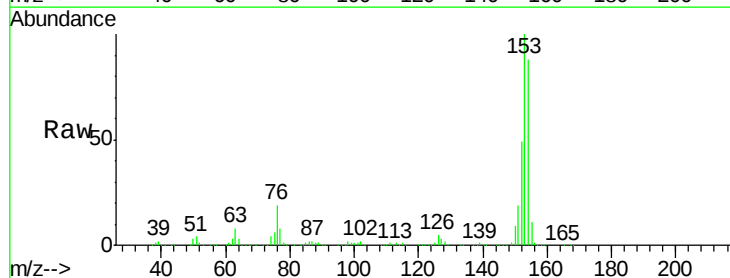
Instrument :
 BNA_F
 ClientSampleId :
 A2 SB74 E-S 8

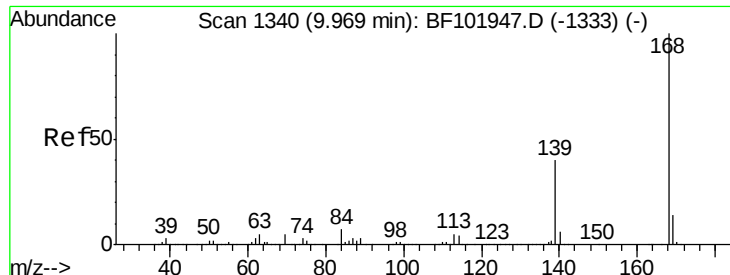
Tgt Ion:165 Resp: 8732
 Ion Ratio Lower Upper
 165 100
 63 28.0 44.7 67.1#
 89 22.8 44.0 66.0#



#51
 Acenaphthene
 Concen: 215.675 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. 0.02 min
 Lab File: BF102219.D
 Acq: 19 Jan 2018 13:45

Tgt Ion:154 Resp: 3129008
 Ion Ratio Lower Upper
 154 100
 153 113.1 91.2 136.8
 152 55.8 43.8 65.8





#54

Diben-zofuran

Concen: 194.386 ng

RT: 9.99 min Scan# 1343

Delta R.T. 0.02 min

Lab File: BF102219.D

Acq: 19 Jan 2018 13:45

Instrument :

BNA_F

ClientSampleId :

A2 SB74 E-S 8

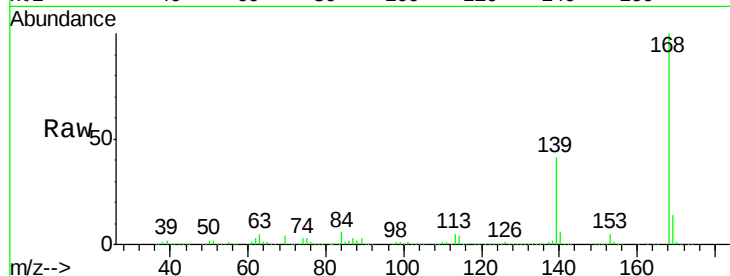
Tgt Ion:168 Resp: 3870471

Ion Ratio Lower Upper

168 100

139 40.6 30.1 45.1

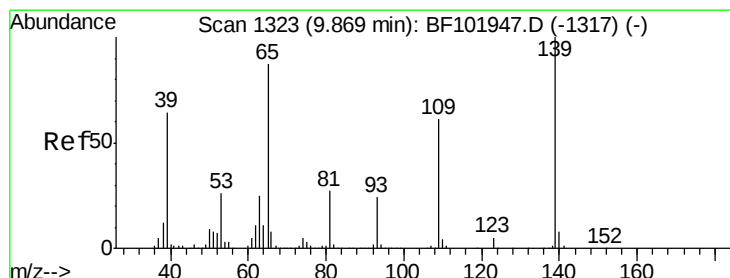
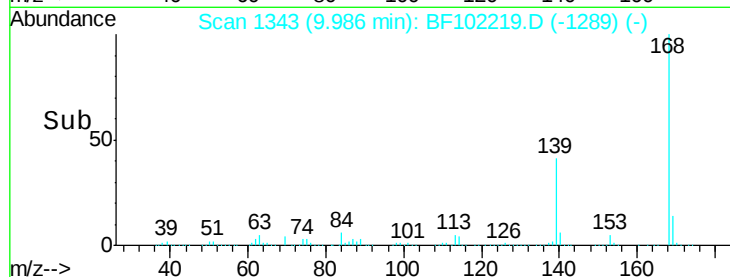
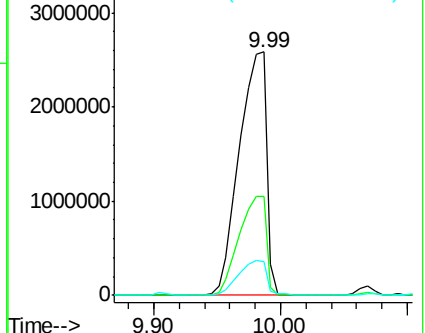
169 13.7 10.9 16.3



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



#55

4-Nitrophenol

Concen: 474.383 ng

RT: 9.99 min Scan# 1343

Delta R.T. 0.11 min

Lab File: BF102219.D

Acq: 19 Jan 2018 13:45

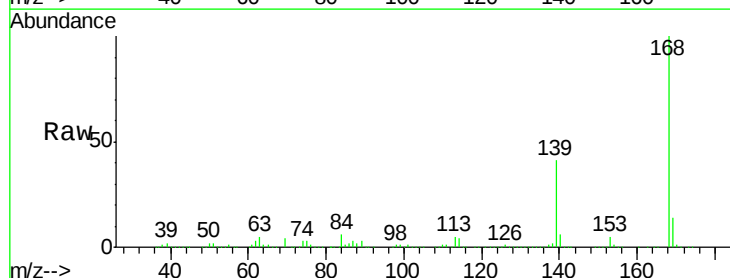
Tgt Ion:139 Resp: 1571065

Ion Ratio Lower Upper

139 100

109 0.8 48.4 88.4#

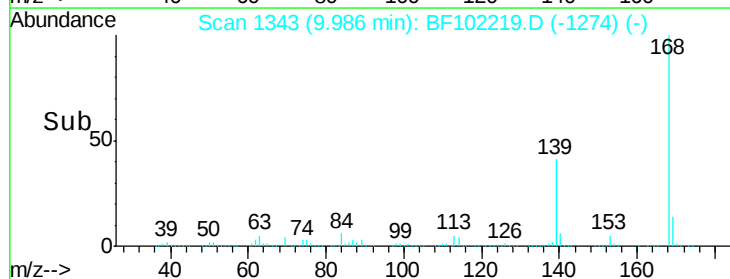
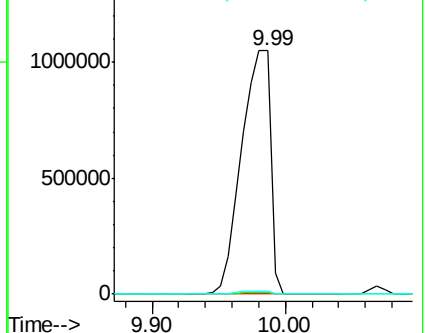
65 1.4 72.6 112.6#

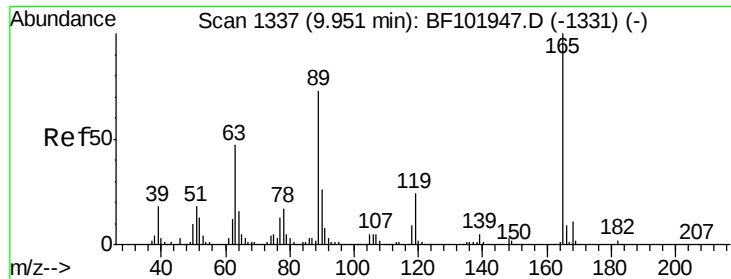


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

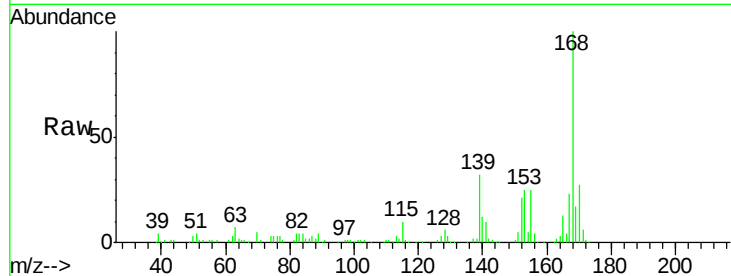




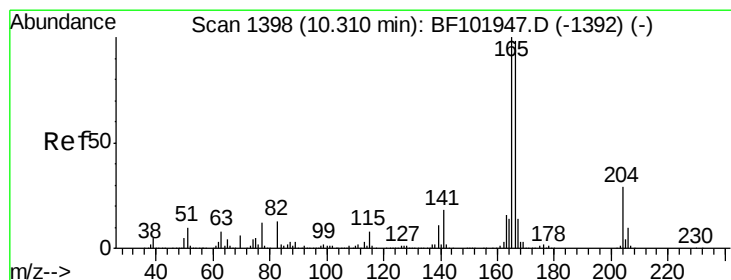
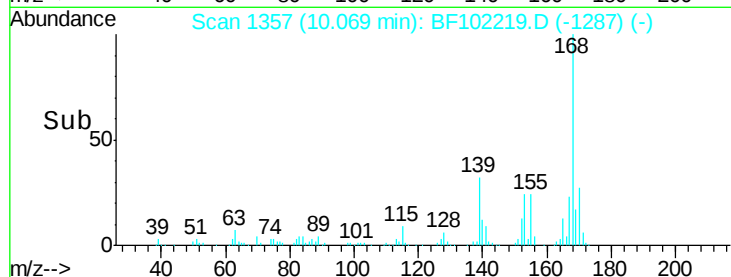
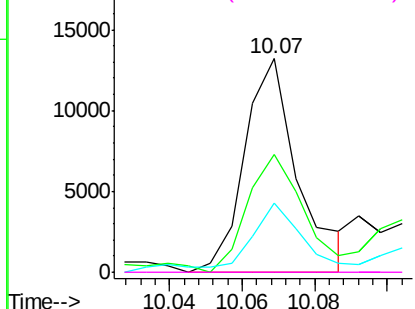
#56
2,4-Dinitrotoluene
Concen: 3.049 ng
RT: 10.07 min Scan# 1357
Delta R.T. 0.11 min
Lab File: BF102219.D
Acq: 19 Jan 2018 13:45

Instrument :
BNA_F
ClientSampleId :
A2 SB74 E-S 8

Tgt Ion:165 Resp: 13458
Ion Ratio Lower Upper
165 100
63 55.1 36.4 54.6#
89 32.6 57.8 86.6#
182 0.0 1.6 2.4#

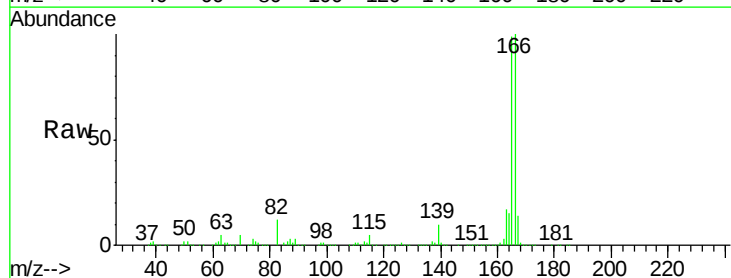


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

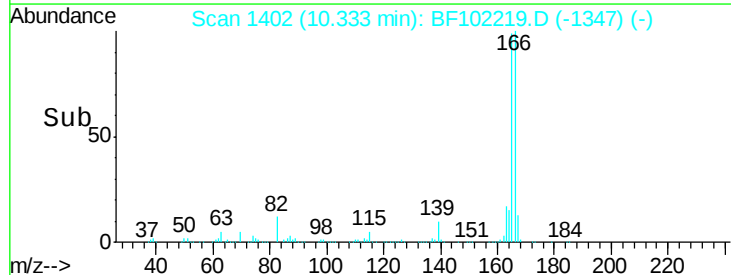
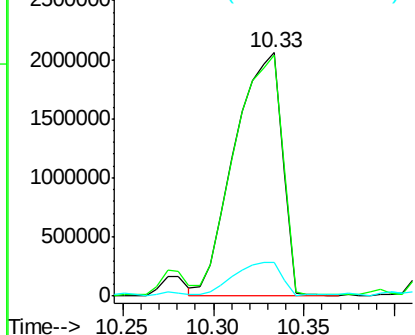


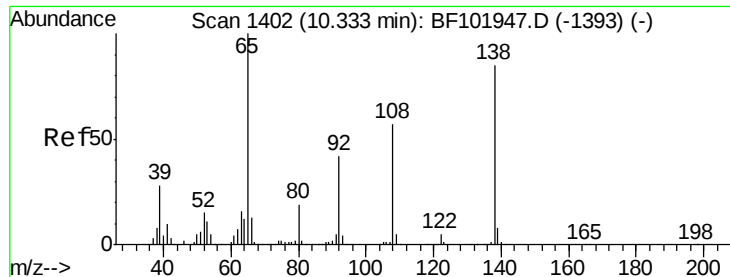
#57
Fluorene
Concen: 273.168 ng
RT: 10.33 min Scan# 1402
Delta R.T. 0.02 min
Lab File: BF102219.D
Acq: 19 Jan 2018 13:45

Tgt Ion:166 Resp: 3760019
Ion Ratio Lower Upper
166 100
165 99.2 79.8 119.8
167 13.7 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

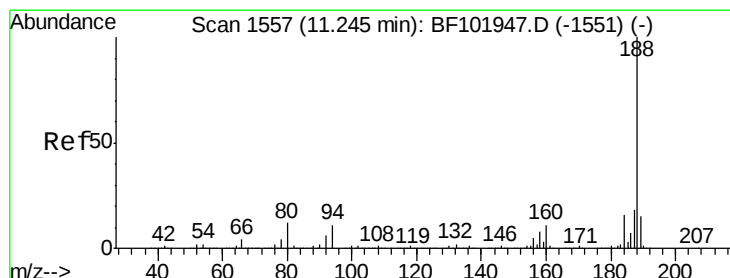
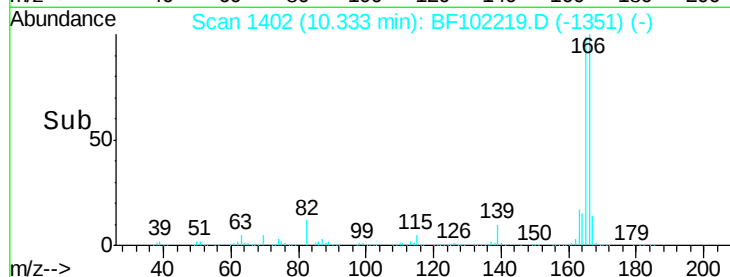
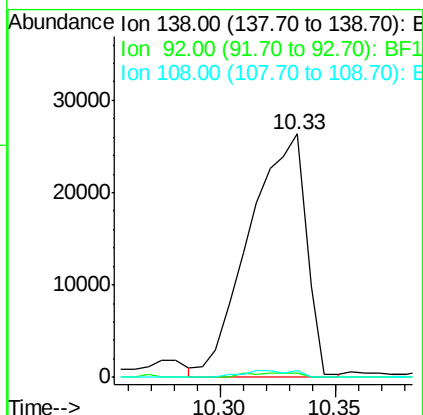
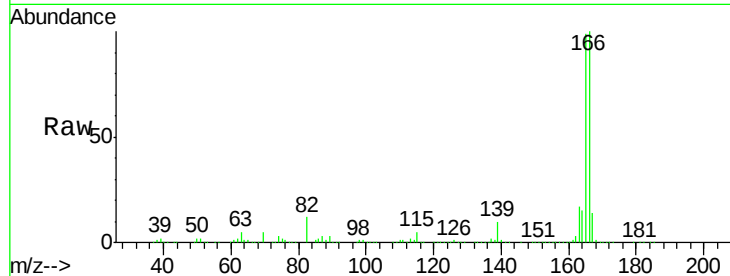




#61
4-Nitroaniline
Concen: 10.715 ng
RT: 10.33 min Scan# 1402
Delta R.T. 0.00 min
Lab File: BF102219.D
Acq: 19 Jan 2018 13:45

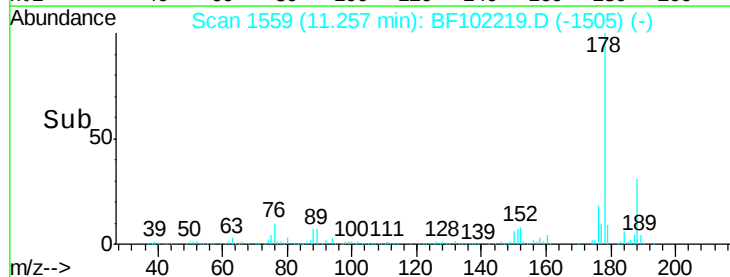
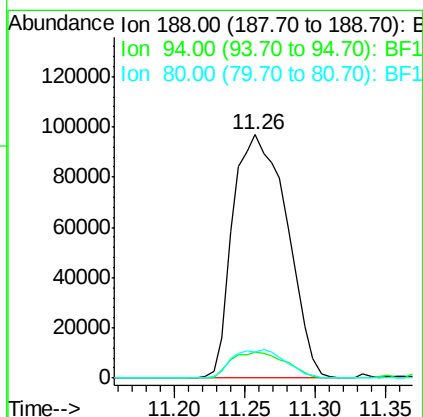
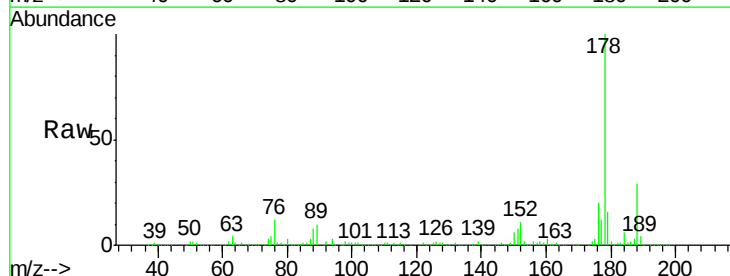
Instrument :
BNA_F
ClientSampleId :
A2 SB74 E-S 8

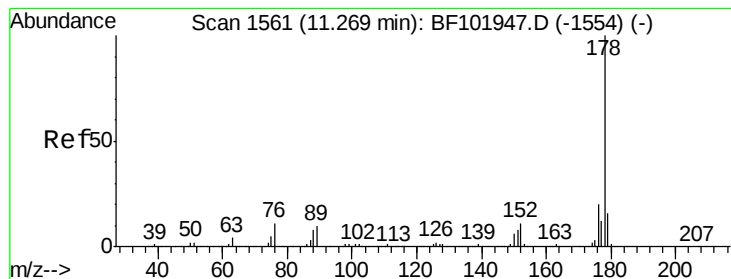
Tgt Ion:138 Resp: 45189
Ion Ratio Lower Upper
138 100
92 2.0 30.2 70.2#
108 2.6 52.5 92.5#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1559
Delta R.T. 0.02 min
Lab File: BF102219.D
Acq: 19 Jan 2018 13:45

Tgt Ion:188 Resp: 259648
Ion Ratio Lower Upper
188 100
94 10.5 8.5 12.7
80 10.6 9.2 13.8





#70

Phenanthrene

Concen: 643.221 ng

RT: 11.31 min Scan# 1568

Delta R.T. 0.04 min

Lab File: BF102219.D

Acq: 19 Jan 2018 13:45

Instrument :

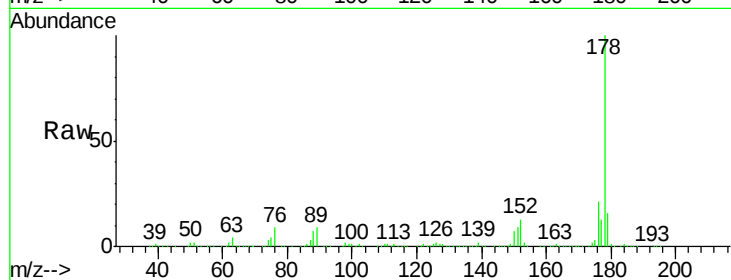
BNA_F

ClientSampleId :

A2 SB74 E-S 8

Tgt Ion:178 Resp: 9755661

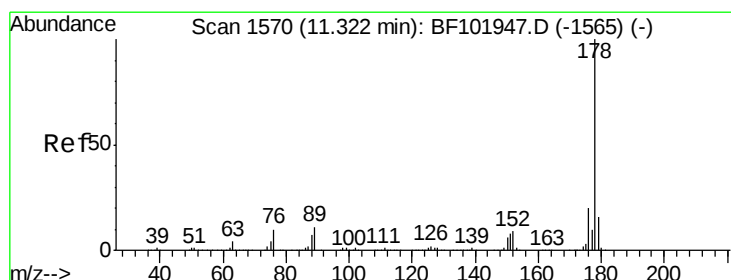
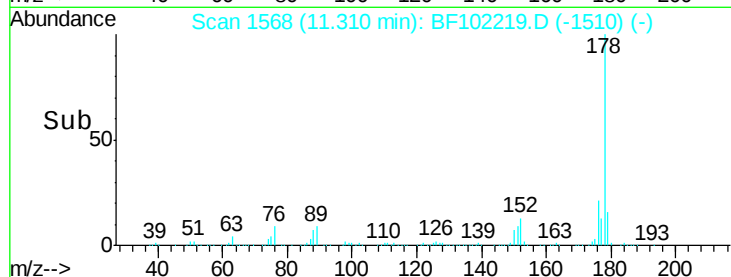
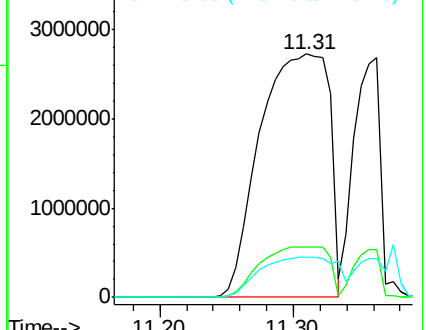
Ion	Ratio	Lower	Upper
178	100		
176	20.7	15.8	23.8
179	16.3	13.0	19.6



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



#71

Anthracene

Concen: 241.919 ng

RT: 11.36 min Scan# 1577

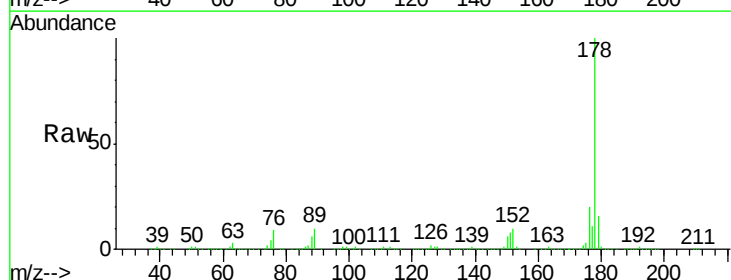
Delta R.T. 0.04 min

Lab File: BF102219.D

Acq: 19 Jan 2018 13:45

Tgt Ion:178 Resp: 3721205

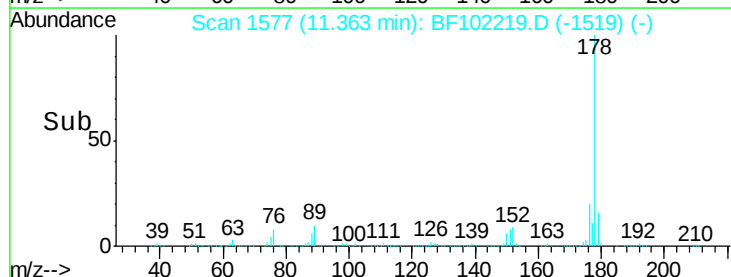
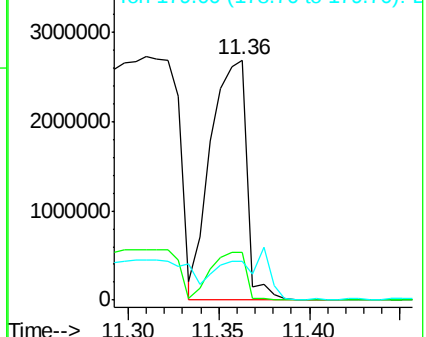
Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.4	23.2
179	16.3	12.6	19.0

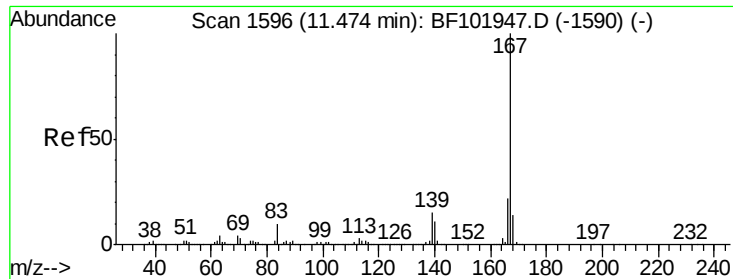


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 147.737 ng

RT: 11.49 min Scan# 1599

Delta R.T. 0.02 min

Lab File: BF102219.D

Acq: 19 Jan 2018 13:45

Instrument :

BNA_F

ClientSampleId :

A2 SB74 E-S 8

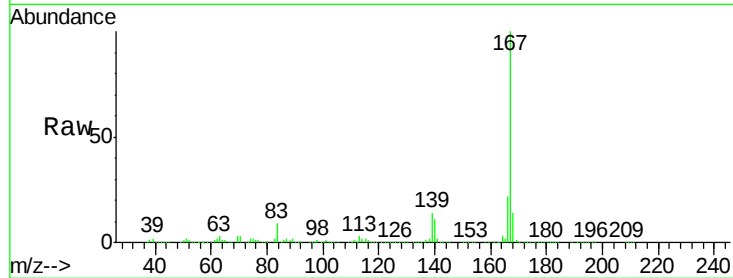
Tgt Ion:167 Resp: 2233642

Ion Ratio Lower Upper

167 100

166 22.2 17.6 26.4

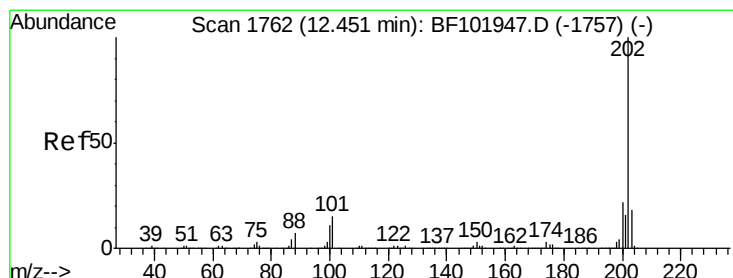
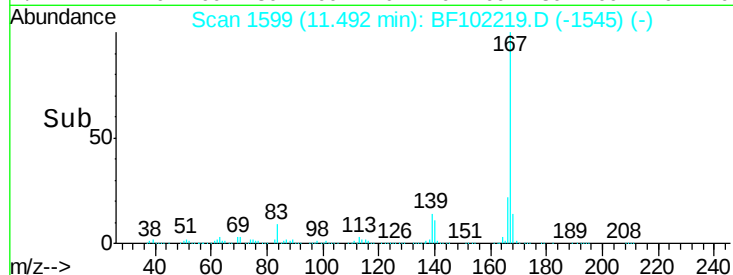
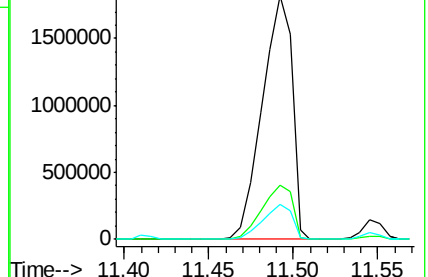
139 14.1 10.9 16.3



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



#74

Fluoranthene

Concen: 493.029 ng

RT: 12.49 min Scan# 1769

Delta R.T. 0.04 min

Lab File: BF102219.D

Acq: 19 Jan 2018 13:45

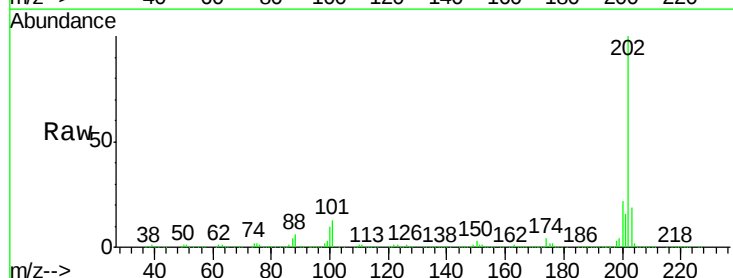
Tgt Ion:202 Resp: 7357074

Ion Ratio Lower Upper

202 100

101 12.8 0.0 34.1

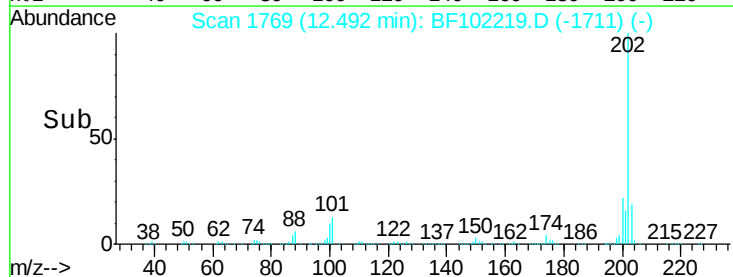
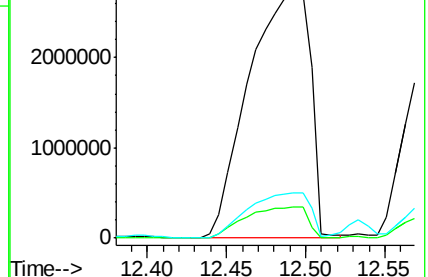
203 18.7 0.0 38.1

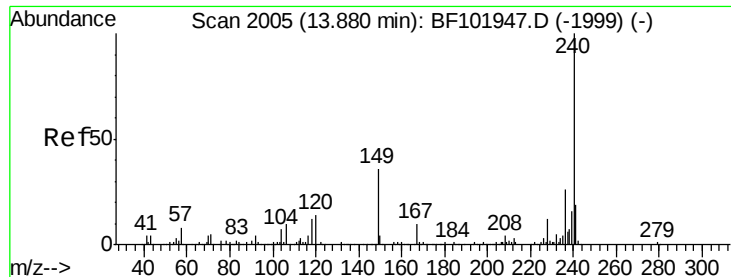


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.90 min Scan# 2009

Delta R.T. 0.03 min

Lab File: BF102219.D

Acq: 19 Jan 2018 13:45

Instrument :

BNA_F

ClientSampleId :

A2 SB74 E-S 8

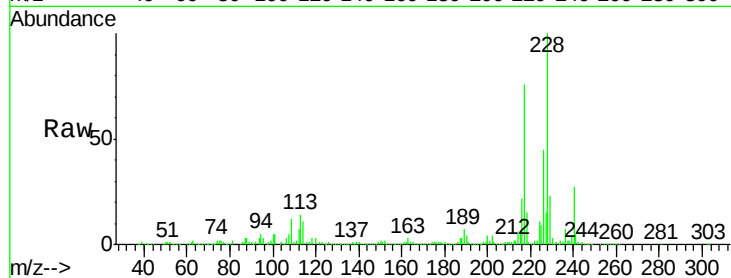
Tgt Ion:240 Resp: 166098

Ion Ratio Lower Upper

240 100

120 12.8 9.5 14.3

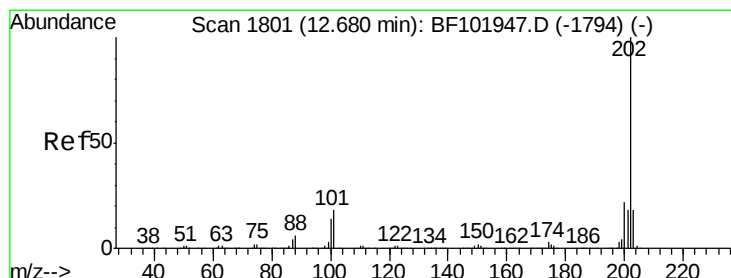
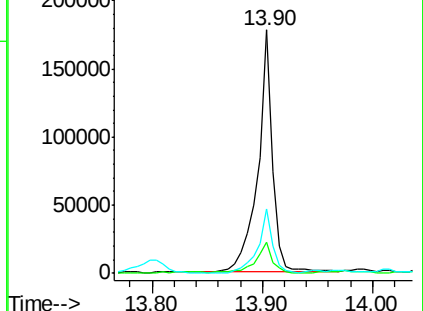
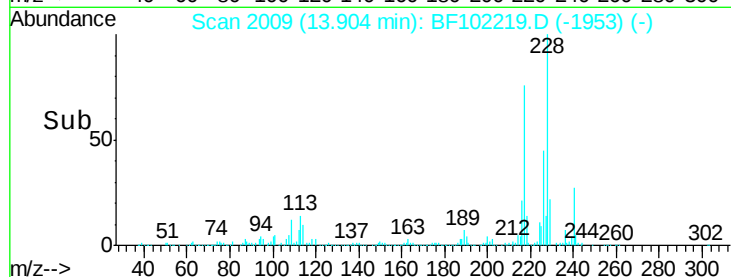
236 26.3 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 374.794 ng

RT: 12.72 min Scan# 1808

Delta R.T. 0.04 min

Lab File: BF102219.D

Acq: 19 Jan 2018 13:45

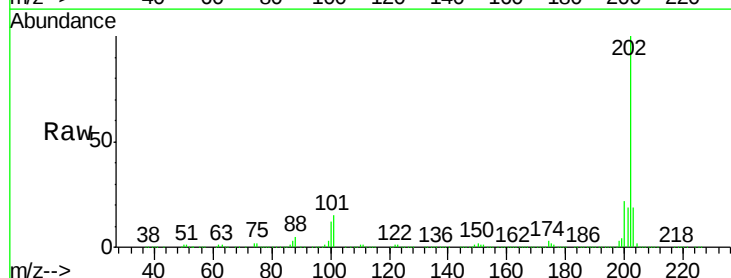
Tgt Ion:202 Resp: 5502737

Ion Ratio Lower Upper

202 100

200 22.4 17.4 26.2

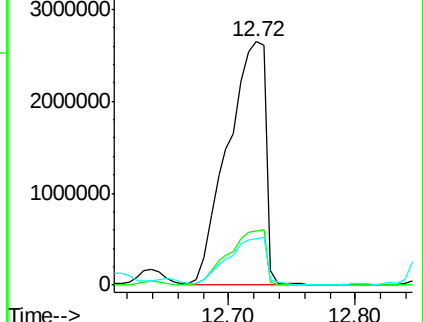
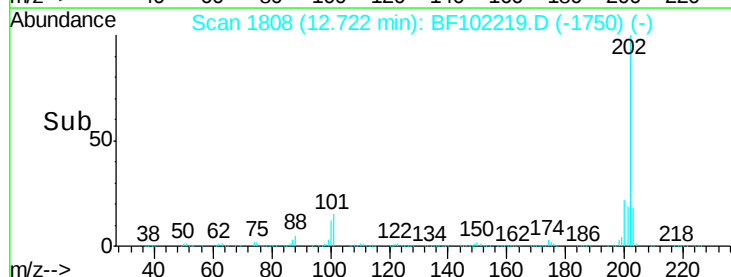
203 18.9 14.3 21.5

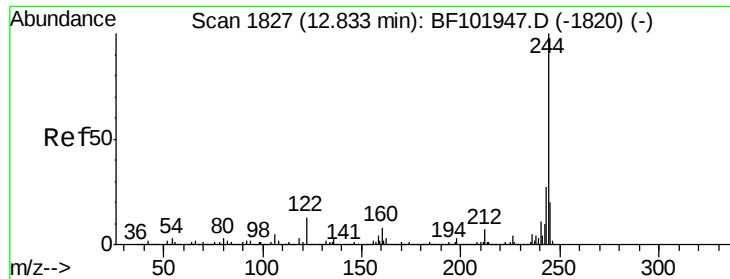


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 4.451 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BF102219.D

Acq: 19 Jan 2018 13:45

Instrument :

BNA_F

ClientSampleId :

A2 SB74 E-S 8

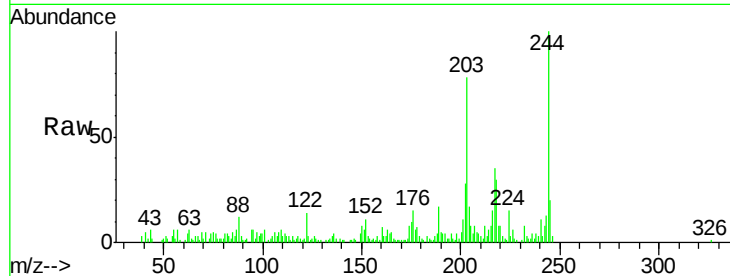
Tgt Ion:244 Resp: 35611

Ion Ratio Lower Upper

244 100

212 8.1 5.4 8.0#

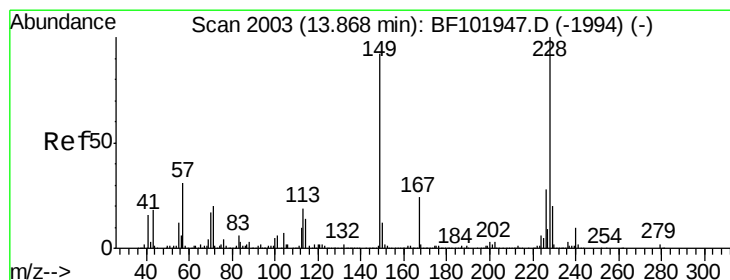
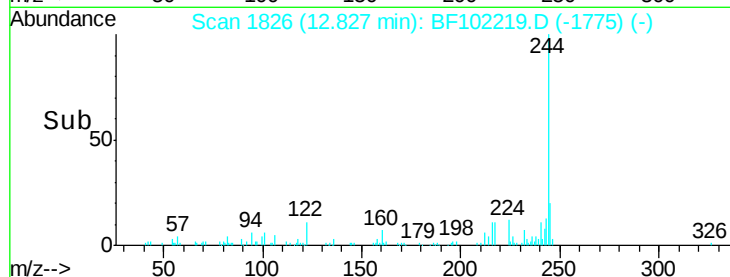
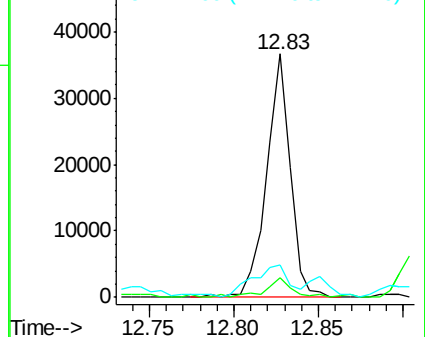
122 13.5 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 300.806 ng

RT: 13.89 min Scan# 2007

Delta R.T. 0.02 min

Lab File: BF102219.D

Acq: 19 Jan 2018 13:45

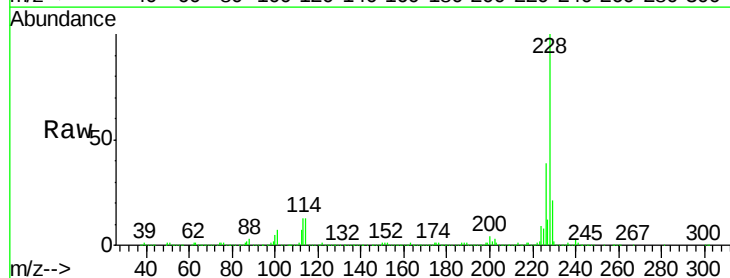
Tgt Ion:228 Resp: 3187794

Ion Ratio Lower Upper

228 100

226 39.4 22.6 33.8#

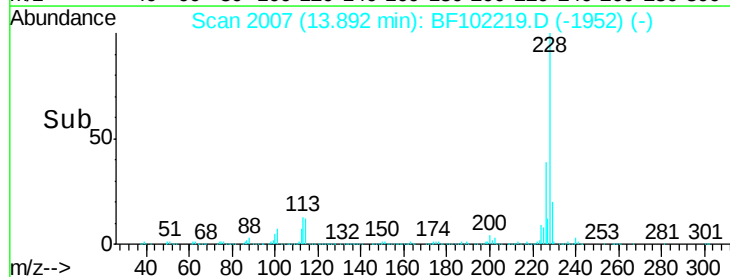
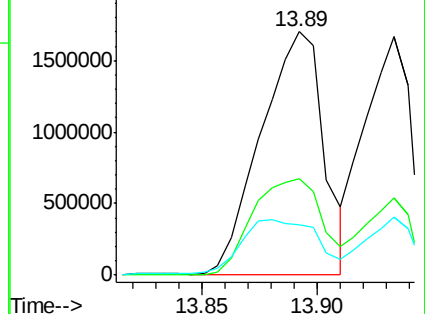
229 20.7 15.8 23.6

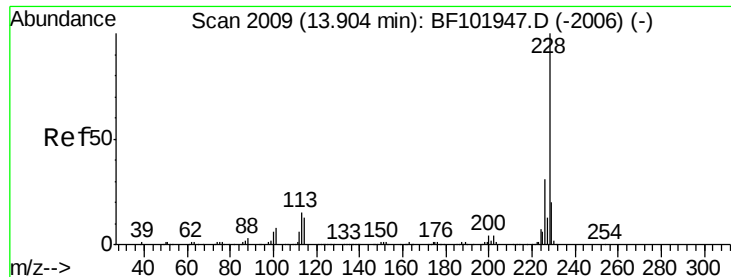


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 205.245 ng

RT: 13.93 min Scan# 2014

Delta R.T. 0.03 min

Lab File: BF102219.D

Acq: 19 Jan 2018 13:45

Instrument :

BNA_F

ClientSampleId :

A2 SB74 E-S 8

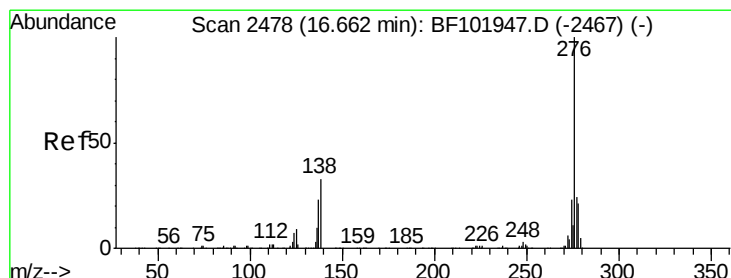
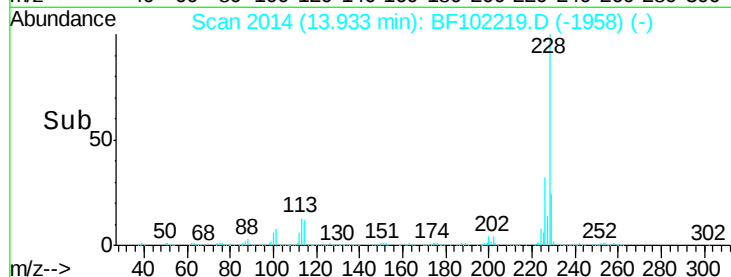
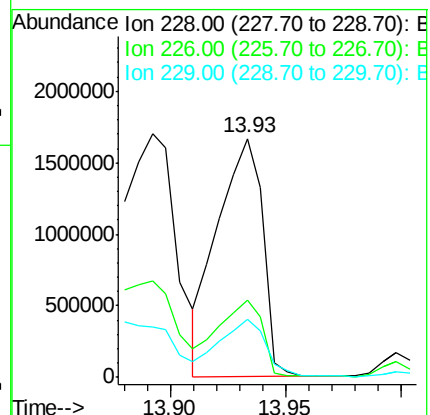
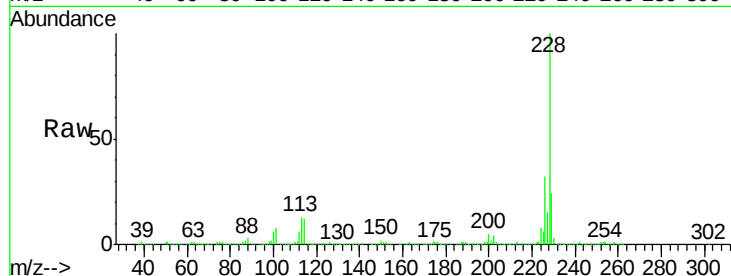
Tgt Ion:228 Resp: 2268026

Ion Ratio Lower Upper

228 100

226 32.3 25.0 37.6

229 24.3 16.2 24.4



#85

Indeno(1,2,3-cd)pyrene

Concen: 157.714 ng

RT: 16.73 min Scan# 2490

Delta R.T. 0.05 min

Lab File: BF102219.D

Acq: 19 Jan 2018 13:45

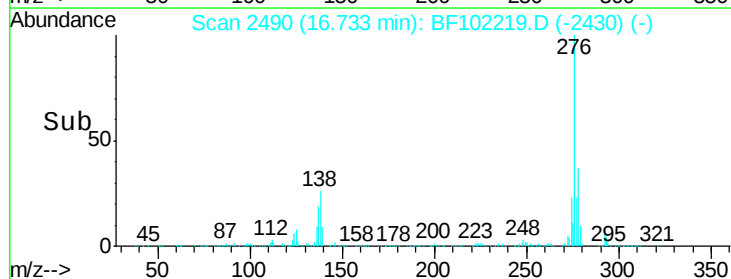
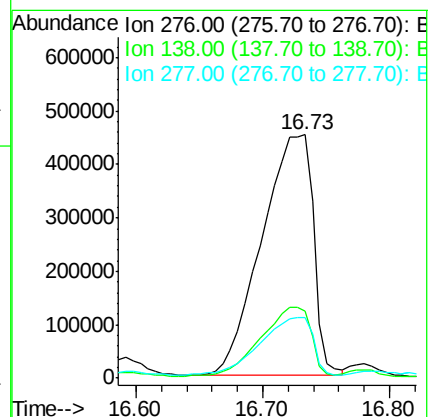
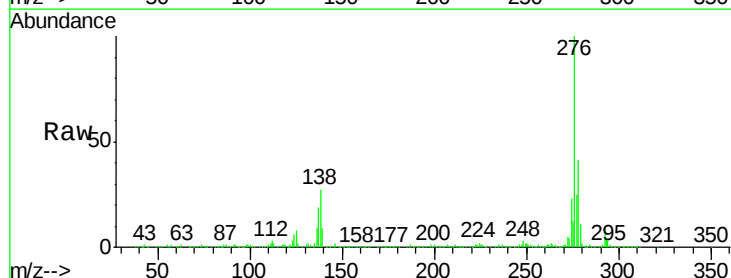
Tgt Ion:276 Resp: 1268459

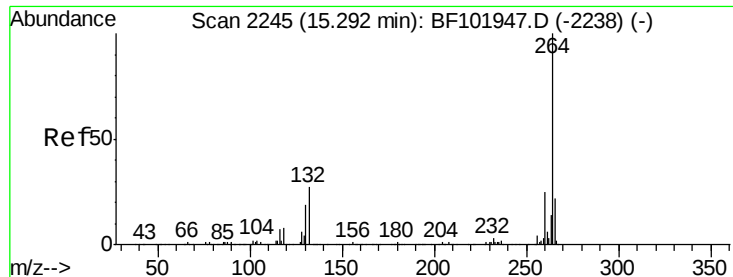
Ion Ratio Lower Upper

276 100

138 27.6 25.0 37.6

277 24.5 20.1 30.1

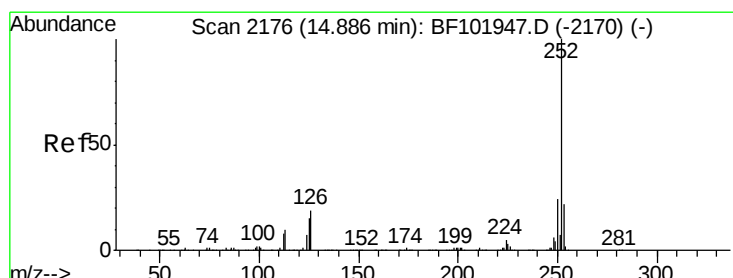
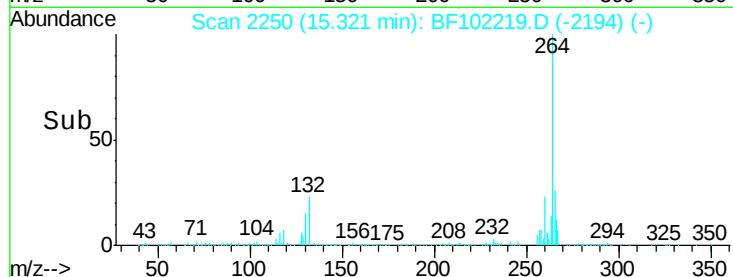
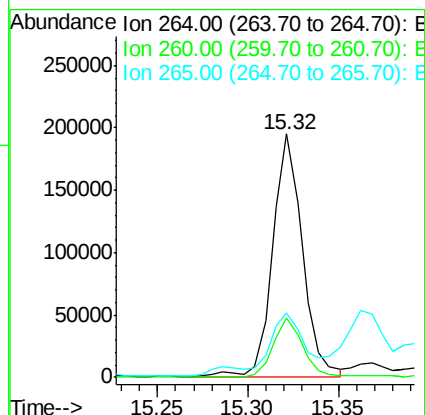
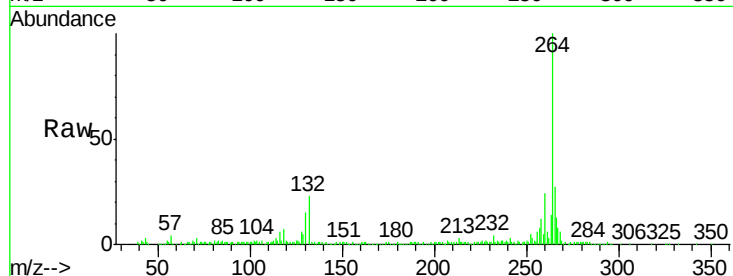




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. 0.03 min
Lab File: BF102219.D
Acq: 19 Jan 2018 13:45

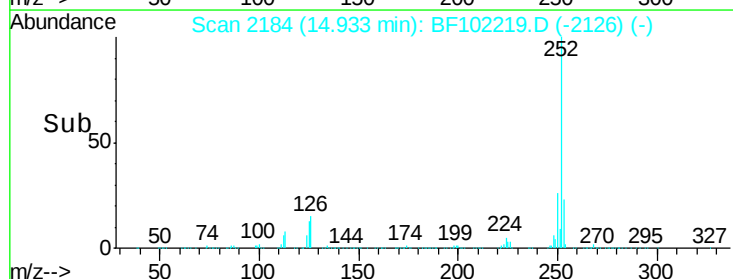
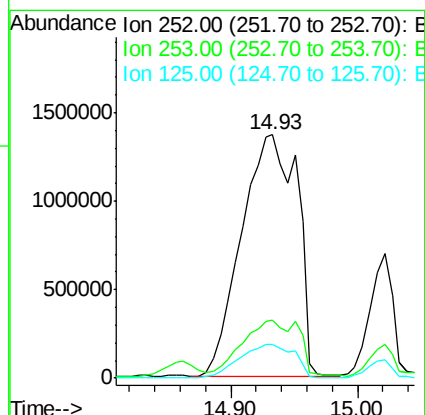
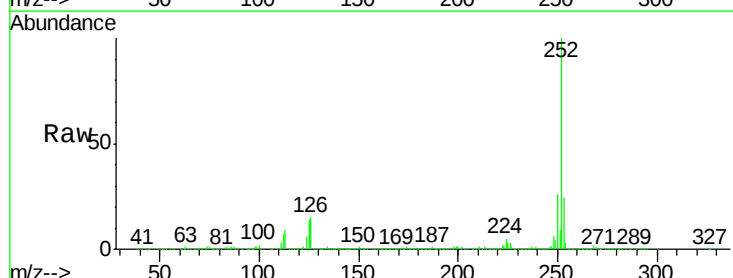
Instrument :
BNA_F
ClientSampleId :
A2 SB74 E-S 8

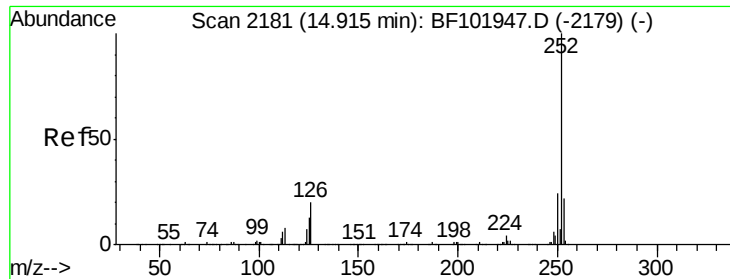
Tgt Ion: 264 Resp: 221101
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 26.6 17.5 26.3#



#87
Benzo(b)fluoranthene
Concen: 288.756 ng
RT: 14.93 min Scan# 2184
Delta R.T. 0.04 min
Lab File: BF102219.D
Acq: 19 Jan 2018 13:45

Tgt Ion: 252 Resp: 4162857
Ion Ratio Lower Upper
252 100
253 23.8 17.0 25.6
125 13.6 9.0 13.6#

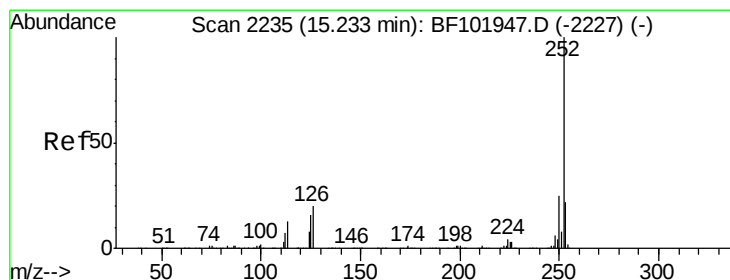
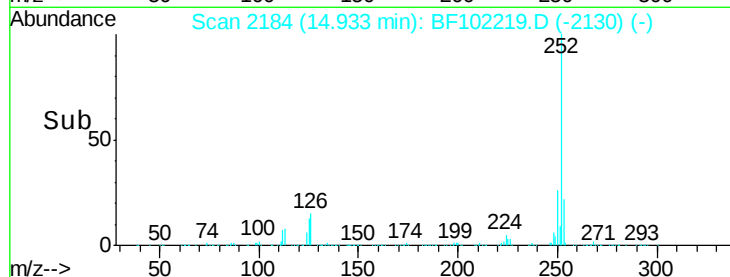
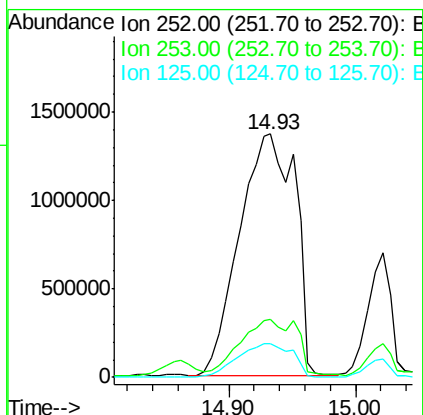
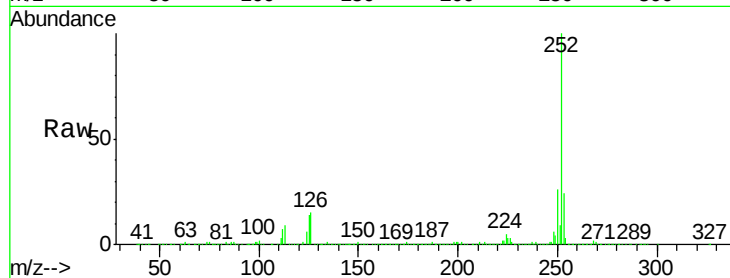




#88
Benzo(k)fluoranthene
Concen: 299.331 ng
RT: 14.93 min Scan# 2184
Delta R.T. 0.02 min
Lab File: BF102219.D
Acq: 19 Jan 2018 13:45

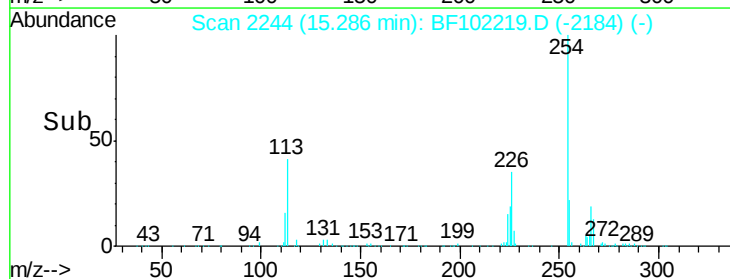
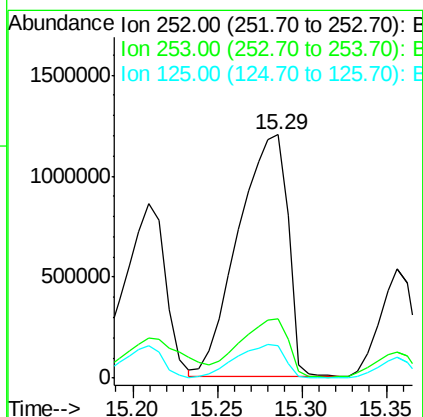
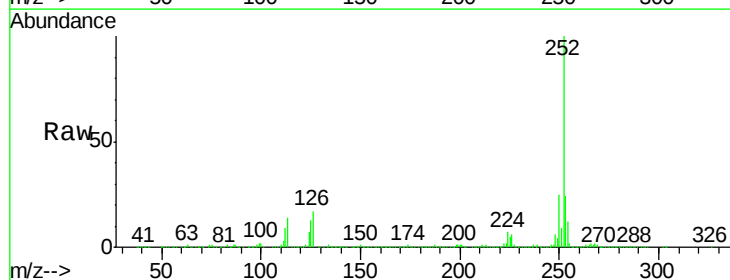
Instrument :
BNA_F
ClientSampleId :
A2 SB74 E-S 8

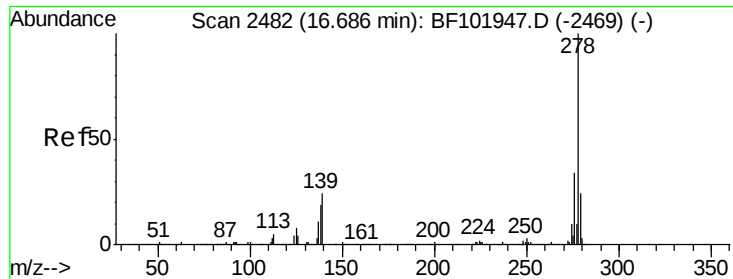
Tgt Ion:252 Resp: 4162857
Ion Ratio Lower Upper
252 100
253 23.8 17.9 26.9
125 13.6 10.2 15.2



#89
Benzo(a)pyrene
Concen: 188.305 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.05 min
Lab File: BF102219.D
Acq: 19 Jan 2018 13:45

Tgt Ion:252 Resp: 2442850
Ion Ratio Lower Upper
252 100
253 24.3 17.1 25.7
125 13.2 9.8 14.6





#90

Dibenzo(a,h)anthracene

Concen: 35.755 ng

RT: 16.73 min Scan# 2490

Delta R.T. 0.04 min

Lab File: BF102219.D

Acq: 19 Jan 2018 13:45

Instrument :

BNA_F

ClientSampleId :

A2 SB74 E-S 8

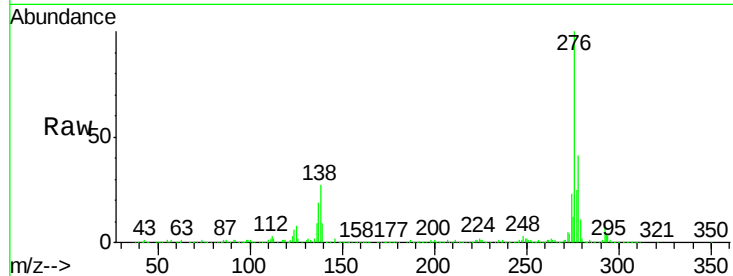
Tgt Ion:278 Resp: 370161

Ion Ratio Lower Upper

278 100

139 21.3 15.9 23.9

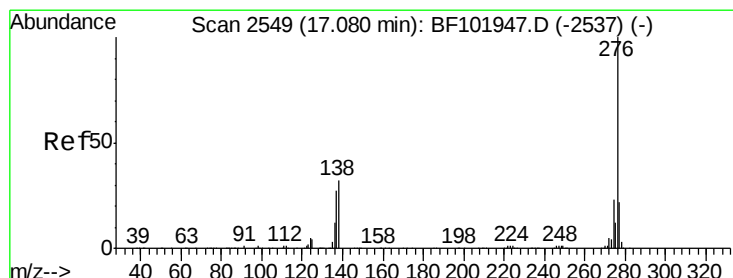
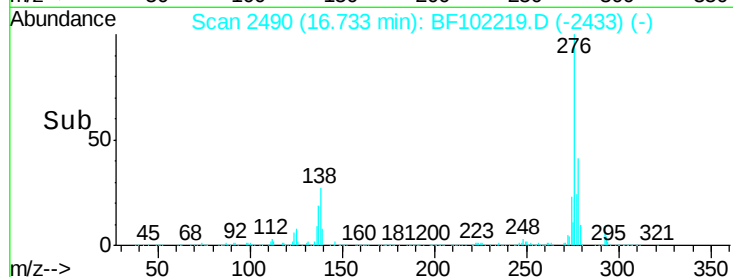
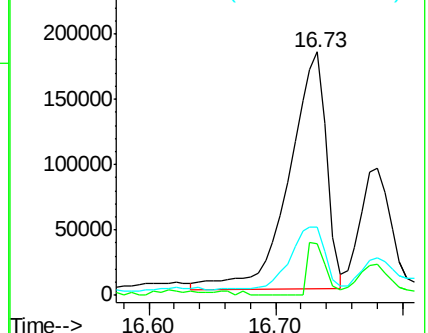
279 28.0 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 98.163 ng

RT: 17.15 min Scan# 2561

Delta R.T. 0.05 min

Lab File: BF102219.D

Acq: 19 Jan 2018 13:45

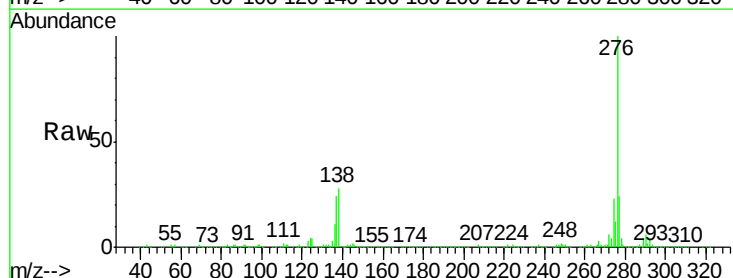
Tgt Ion:276 Resp: 1023693

Ion Ratio Lower Upper

276 100

277 24.2 17.9 26.9

138 27.9 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

