

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021218\
 Data File : BF102941.D
 Acq On : 13 Feb 2018 1:26
 Operator : SJ/JU
 Sample : J1522-04 50X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 13 02:23:45 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	165450	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	666577	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	274170	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	379882	20.00	ng	0.00
75) Chrysene-d12	14.05	240	285436	20.00	ng	0.00
86) Perylene-d12	15.54	264	270801	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	4588	0.42	ng	0.00
7) Phenol-d6	6.50	99	5664	0.43	ng	0.00
23) Nitrobenzene-d5	7.44	82	3666	0.38	ng	-0.01
41) 2,4,6-Tribromophenol	10.71	330	414	0.19	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	7822	0.47	ng	0.00
78) Terphenyl-d14	12.99	244	5250	0.44	ng	0.00

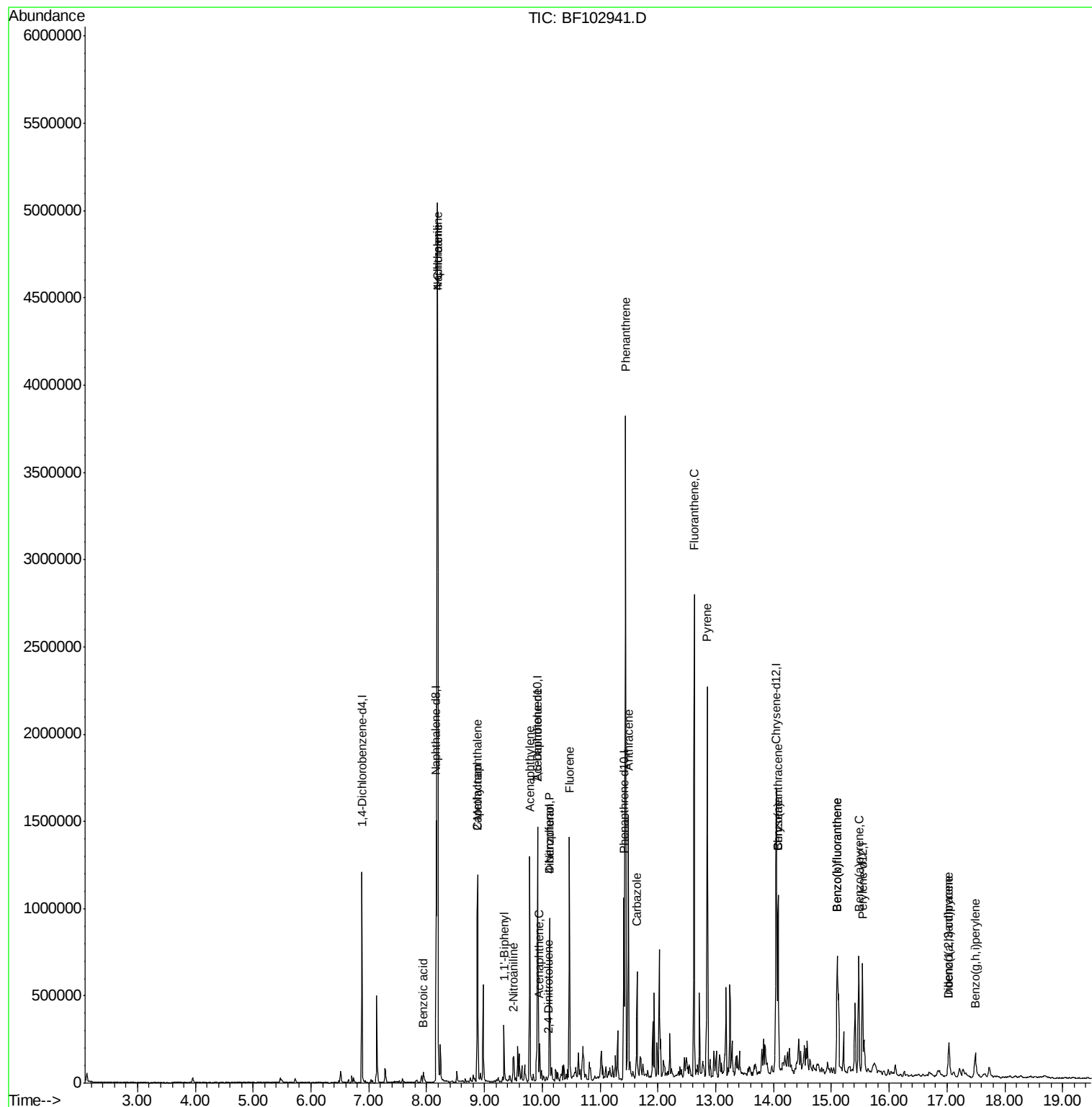
Target Compounds				Qvalue		
24) Nitrobenzene	7.49	77	279	Below Cal	#	1
31) Naphthalene	8.19	128	2280754	70.03	ng	98
32) Benzoic acid	7.95	122	7089	9.58	ng	20
33) 4-Chloroaniline	8.19	127	311076	22.17	ng	35
35) Caprolactam	8.88	113	7125	2.41	ng	1
37) 2-Methylnaphthalene	8.88	142	313815	14.72	ng	98
45) 1,1'-Biphenyl	9.34	154	94532	4.09	ng	96
47) 2-Nitroaniline	9.50	65	1060	3.65	ng	2
48) Acenaphthylene	9.78	152	520855	18.45	ng	99
50) 2,6-Dinitrotoluene	9.92	165	41016	10.08	ng	26
51) Acenaphthene	9.95	154	35775	2.12	ng	94
54) Dibenzofuran	10.13	168	339851	14.28	ng	98
55) 4-Nitrophenol	10.13	139	134306	35.04	ng	10
56) 2,4-Dinitrotoluene	10.10	165	1518	3.34	ng	65
57) Fluorene	10.47	166	402455	23.24	ng	97
70) Phenanthrene	11.44	178	1407709	66.54	ng	99
71) Anthracene	11.49	178	531368	24.69	ng	99
72) Carbazole	11.64	167	215982	10.25	ng	100
74) Fluoranthene	12.63	202	1049471	49.30	ng	98
77) Pvrene	12.86	202	842782	37.65	ng	100
80) Benzo(a)anthracene	14.08	228	371572	20.70	ng	97
82) Chrysene	14.08	228	371572	20.53	ng	98
85) Indeno(1,2,3-cd)pyrene	17.03	276	122770	8.18	ng	96
87) Benzo(b)fluoranthene	15.10	252	561007	31.95	ng	95
88) Benzo(k)fluoranthene	15.10	252	561007	33.44	ng	98
89) Benzo(a)pyrene	15.47	252	298931	18.92	ng	95
90) Dibenzo(a,h)anthracene	17.04	278	32723	2.55	ng	74
91) Benzo(g,h,i)perylene	17.49	276	106699	8.50	ng	96

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

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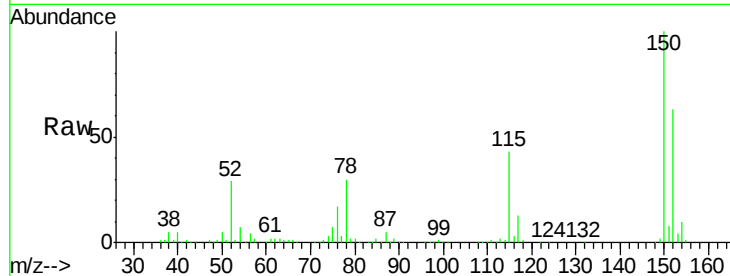


#1

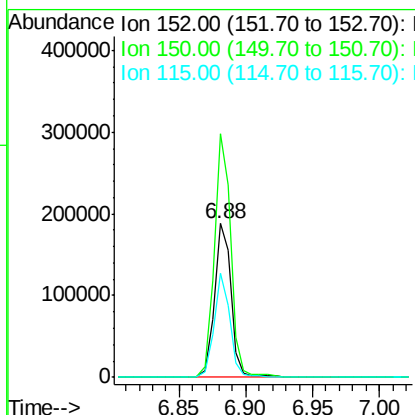
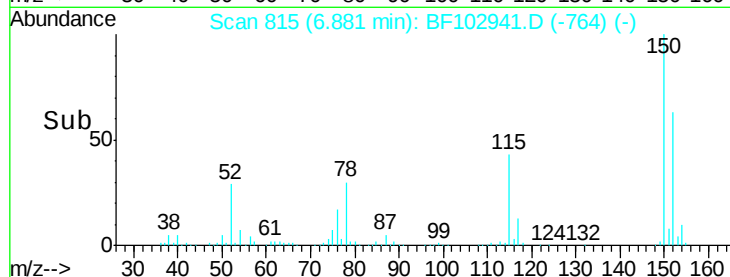
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF102941.D
Acq: 13 Feb 2018 1:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 165450
Ion Ratio Lower Upper
152 100
150 158.2 124.6 186.8
115 67.8 50.1 75.1



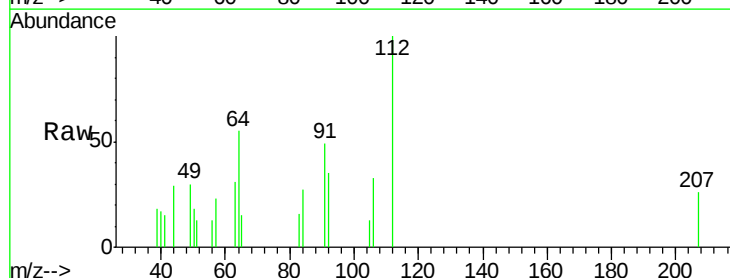
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



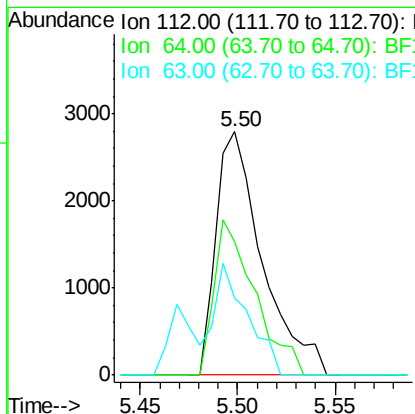
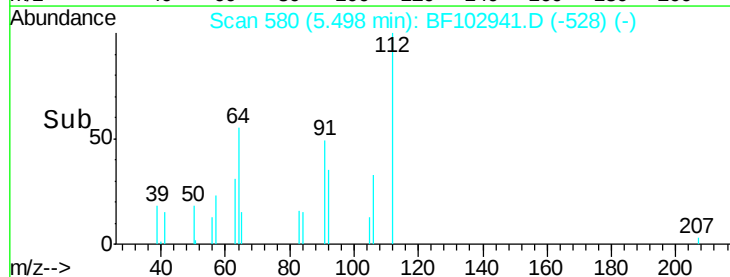
#5

2-Fluorophenol
Concen: 0.42 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF102941.D
Acq: 13 Feb 2018 1:26

Tgt Ion:112 Resp: 4588
Ion Ratio Lower Upper
112 100
64 54.8 47.9 71.9
63 31.5 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: 0.43 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF102941.D

Acq: 13 Feb 2018 1:26

Instrument :

BNA_F

ClientSampleId :

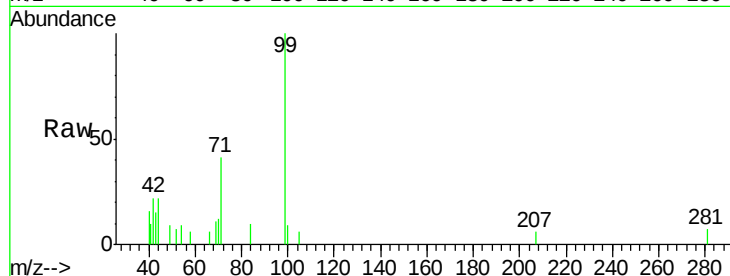
Tot Ion: 99 Resp: 5664

Ion Ratio Lower Upper

99 100

42 22.0 14.5 21.7#

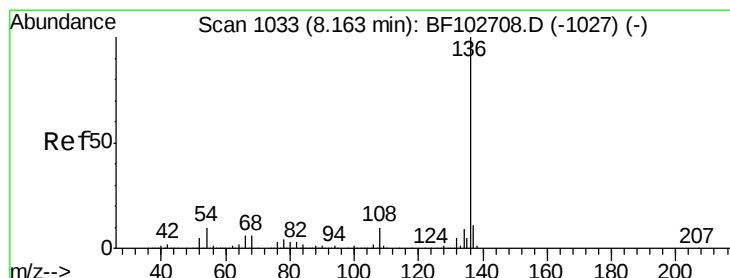
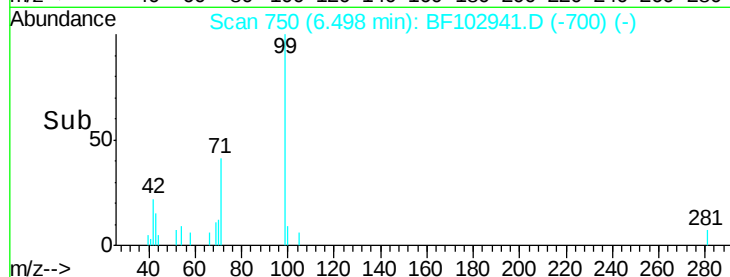
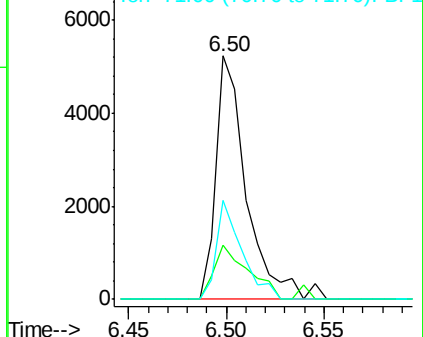
71 40.7 25.4 38.0#



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: 20.00 ng

RT: 8.17 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BF102941.D

Acq: 13 Feb 2018 1:26

Tgt Ion: 136 Resp: 666577

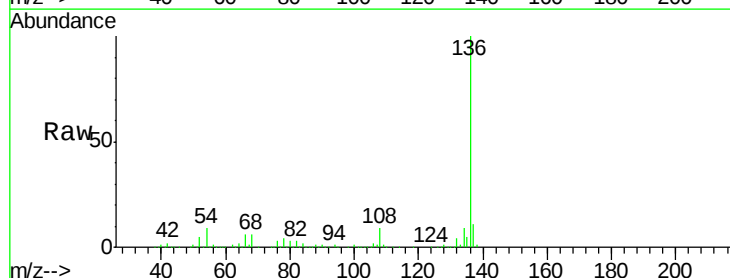
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 9.4 6.6 9.8

68 6.3 5.0 7.4

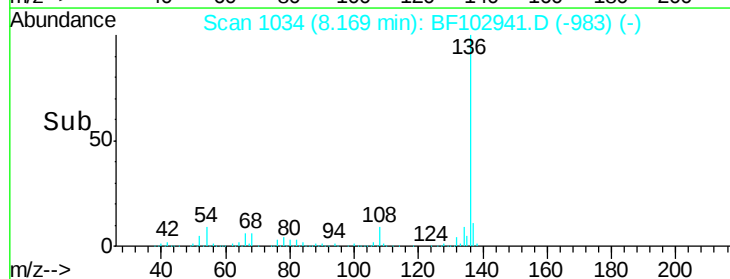
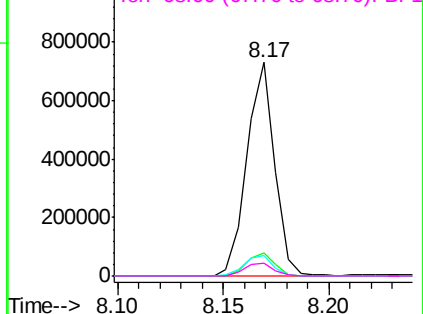


Abundance Ion 136.00 (135.70 to 136.70): E

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

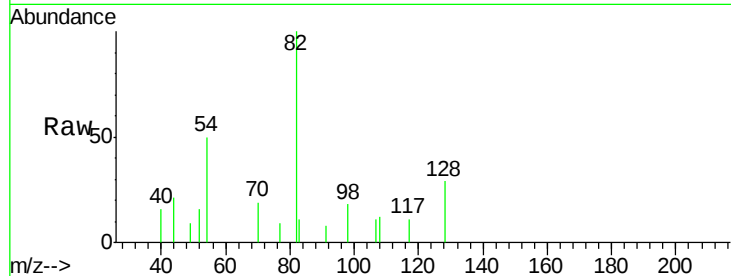




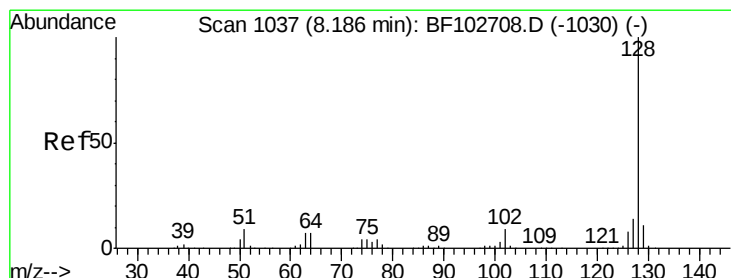
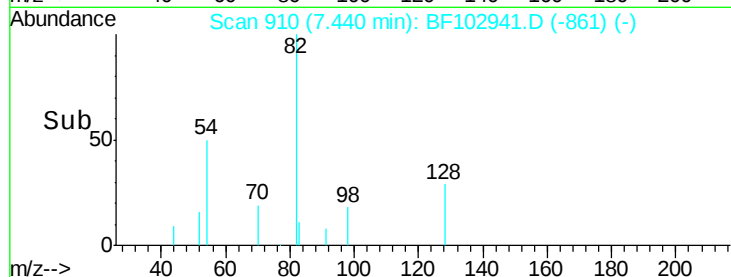
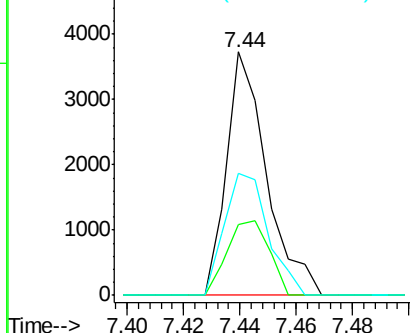
#23
Nitrobenzene-d5
Concen: 0.38 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF102941.D
Acq: 13 Feb 2018 1:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 3666
Ion Ratio Lower Upper
82 100
128 29.3 36.1 54.1#
54 50.4 41.4 62.2

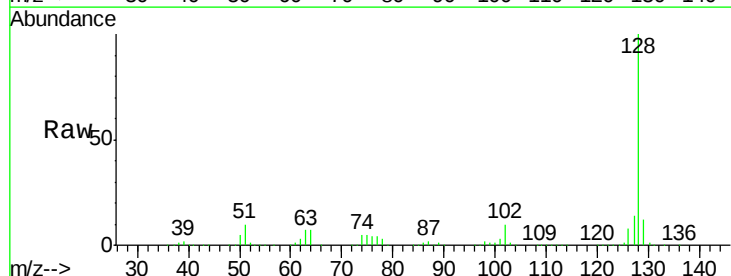


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

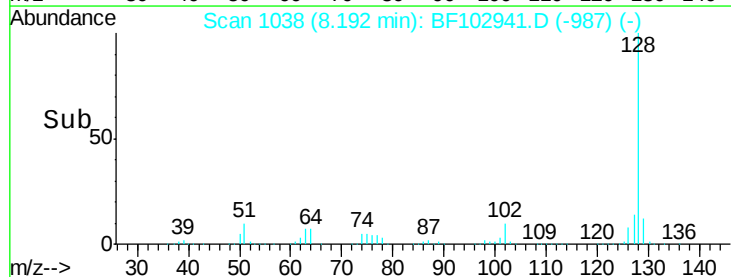
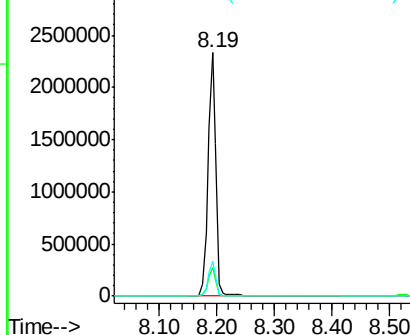


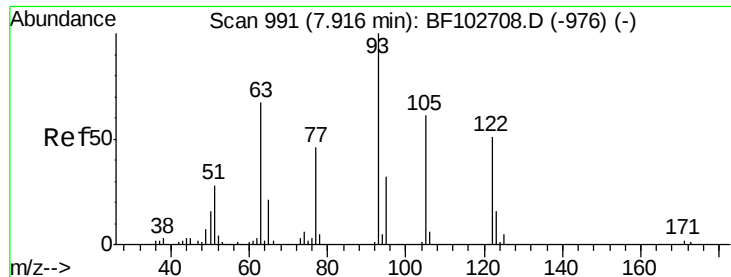
#31
Naphthalene
Concen: 70.03 ng
RT: 8.19 min Scan# 1038
Delta R.T. 0.00 min
Lab File: BF102941.D
Acq: 13 Feb 2018 1:26

Tgt Ion:128 Resp: 2280754
Ion Ratio Lower Upper
128 100
129 11.6 8.8 13.2
127 14.3 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: 9.58 ng

RT: 7.95 min Scan# 996

Delta R.T. 0.01 min

Lab File: BF102941.D

Acq: 13 Feb 2018 1:26

Instrument :

BNA_F

ClientSampleId :

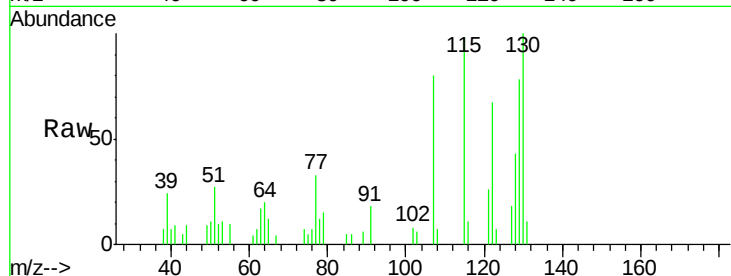
Tot Ion:122 Resp: 7089

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

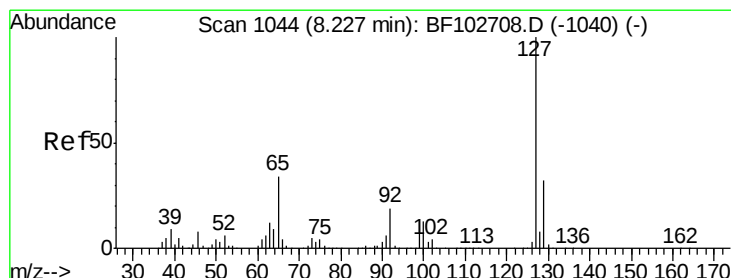
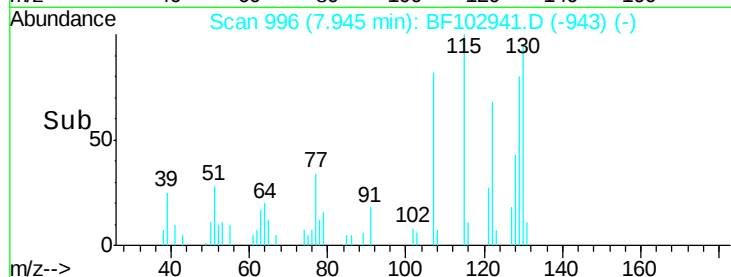
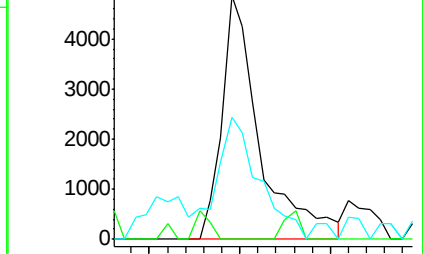
77 50.0 70.7 110.7#



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: 22.17 ng

RT: 8.19 min Scan# 1038

Delta R.T. -0.04 min

Lab File: BF102941.D

Acq: 13 Feb 2018 1:26

Tgt Ion:127 Resp: 311076

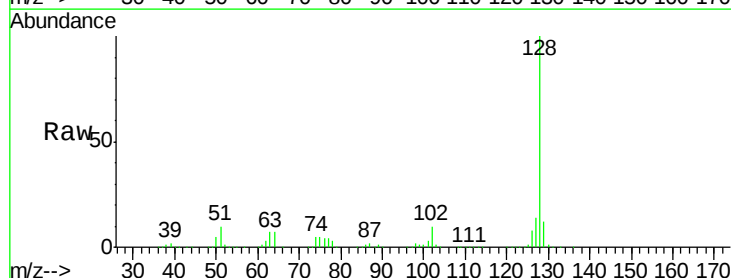
Ion Ratio Lower Upper

127 100

129 81.2 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

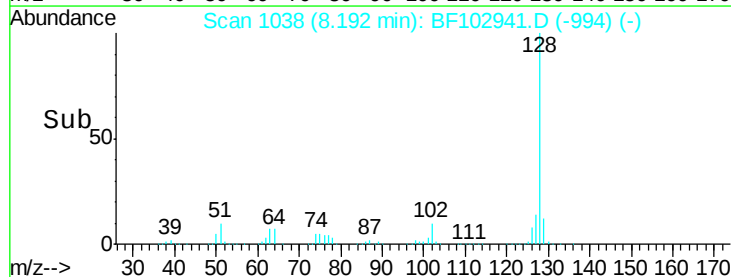
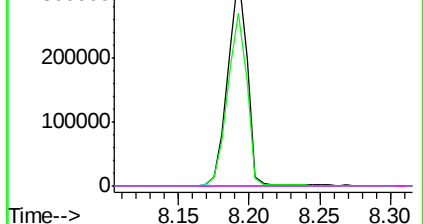


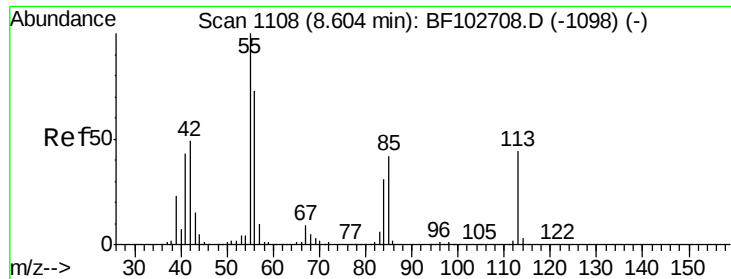
Abundance Ion 127.00 (126.70 to 127.70): E

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

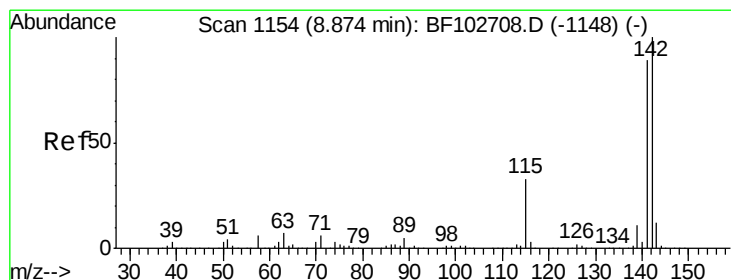
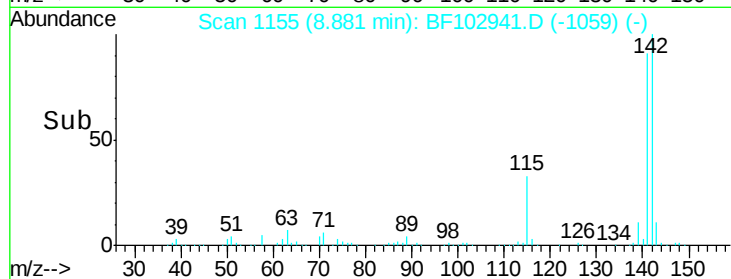
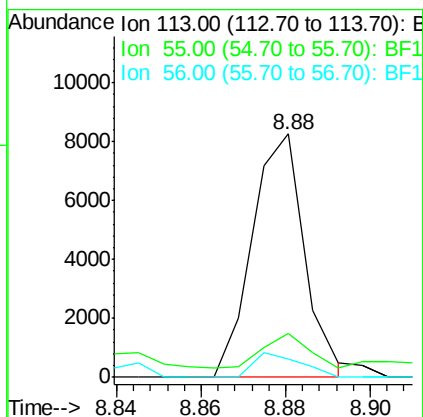
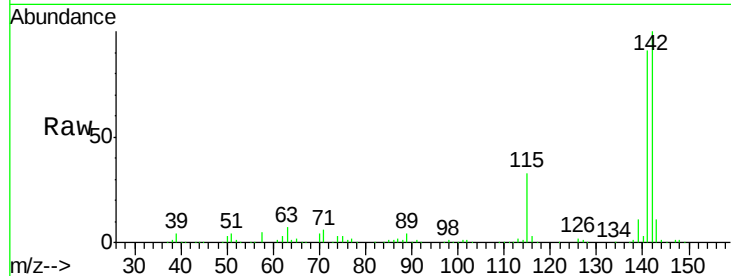




#35
 Caprolactam
 Concen: 2.41 ng
 RT: 8.88 min Scan# 1155
 Delta R.T. 0.26 min
 Lab File: BF102941.D
 Acq: 13 Feb 2018 1:26

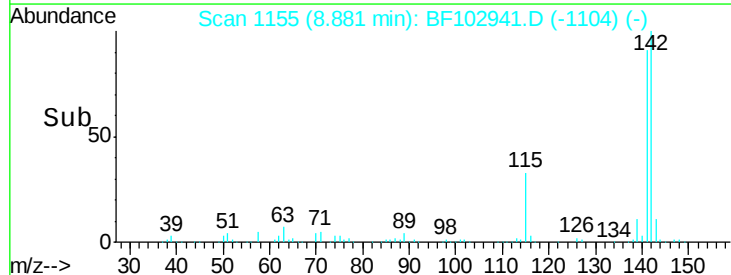
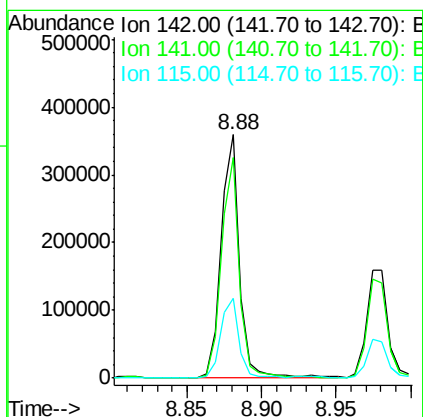
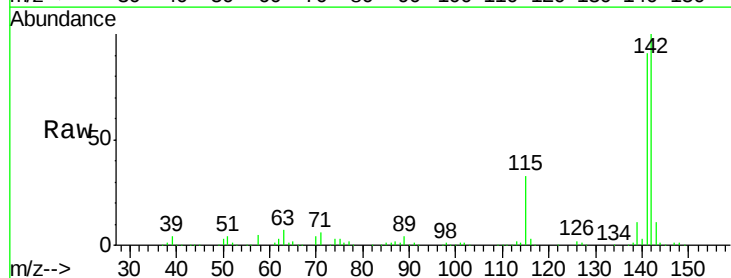
Instrument :
 BNA_F
 ClientSampleID :

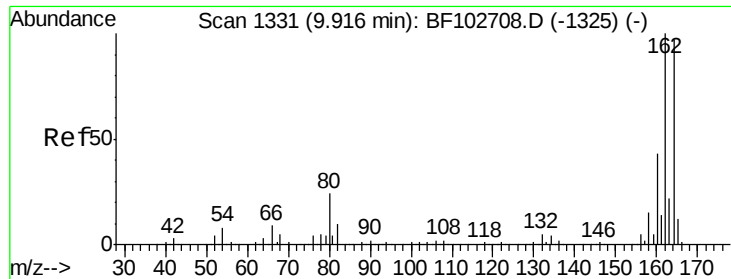
Tot Ion:113 Resp: 7125
 Ion Ratio Lower Upper
 113 100
 55 18.0 163.3 203.3#
 56 7.7 115.7 155.7#



#37
 2-Methylnaphthalene
 Concen: 14.72 ng
 RT: 8.88 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: BF102941.D
 Acq: 13 Feb 2018 1:26

Tgt Ion:142 Resp: 313815
 Ion Ratio Lower Upper
 142 100
 141 90.6 70.8 106.2
 115 32.9 26.1 39.1

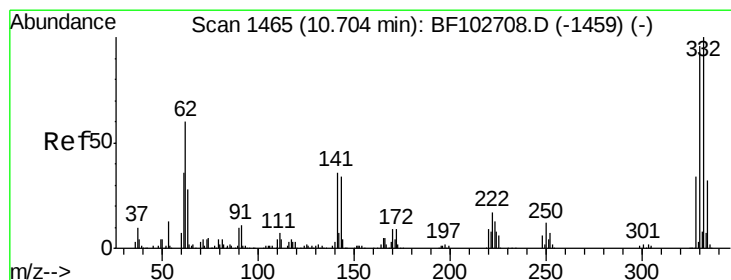
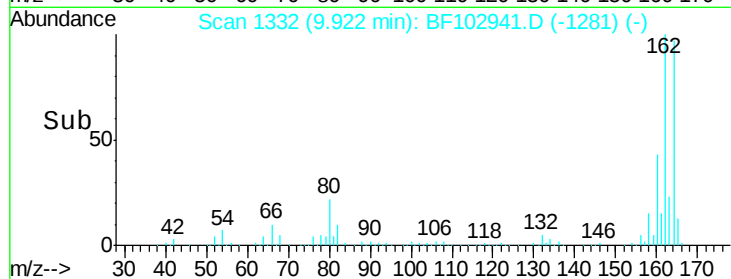
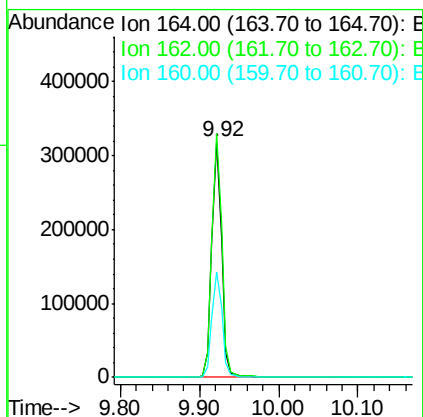
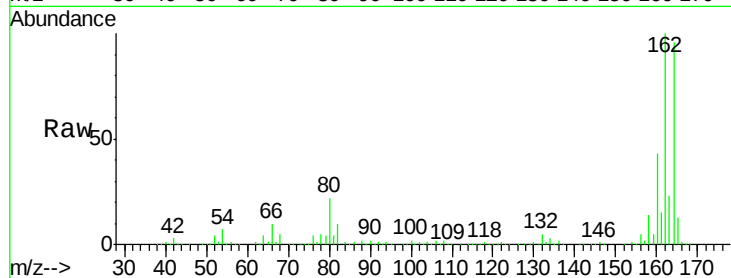




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: BF102941.D
 Acq: 13 Feb 2018 1:26

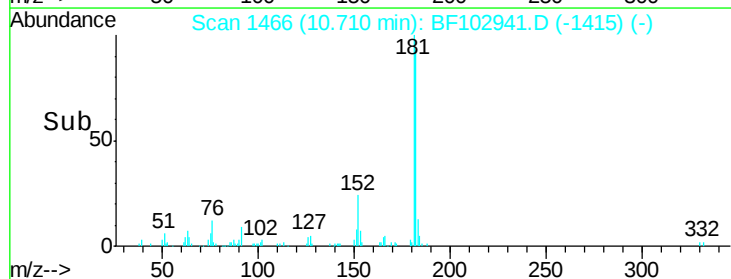
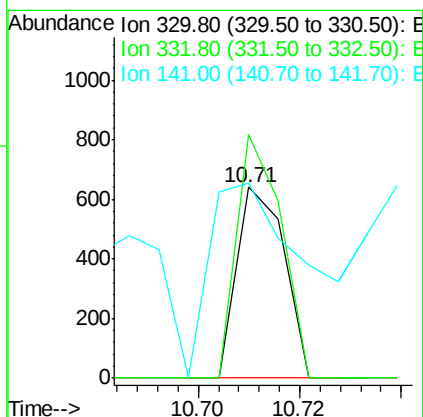
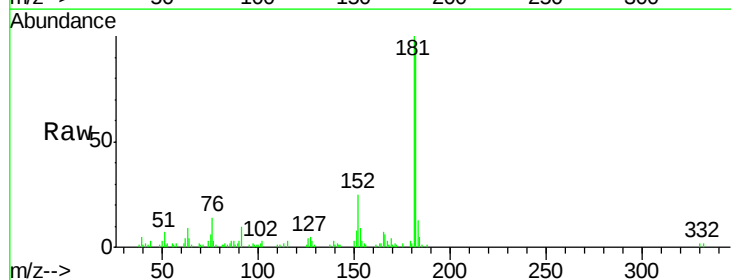
Instrument :
 BNA_F
 ClientSampleId :

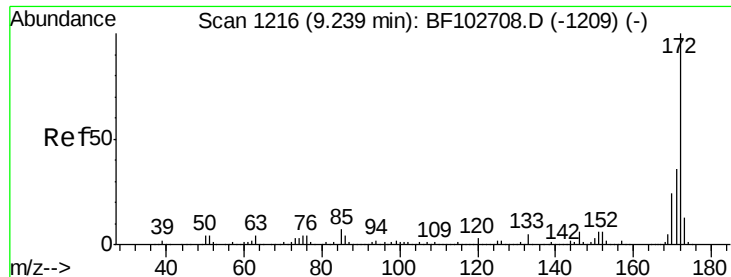
Tot Ion:164 Resp: 274170
 Ion Ratio Lower Upper
 164 100
 162 103.7 86.1 129.1
 160 44.9 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 0.19 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: BF102941.D
 Acq: 13 Feb 2018 1:26

Tgt Ion:330 Resp: 414
 Ion Ratio Lower Upper
 330 100
 332 120.3 77.0 115.6#
 141 209.2 29.9 44.9#

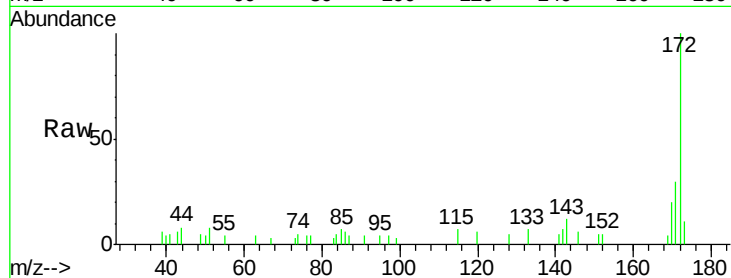




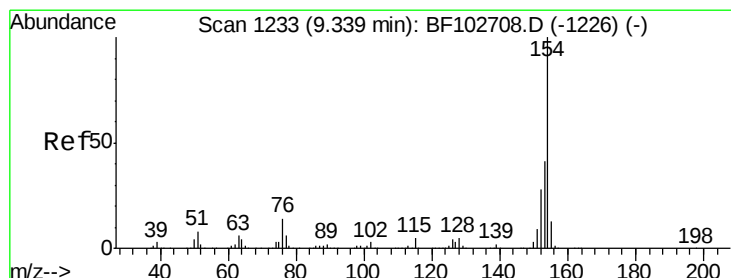
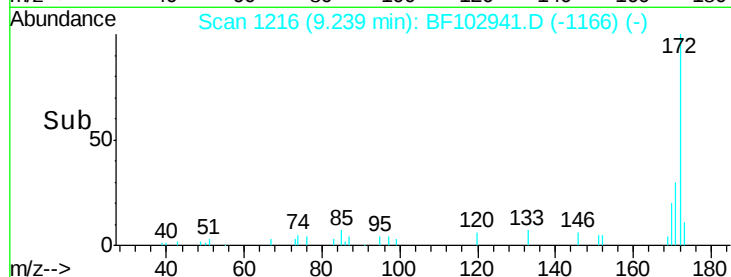
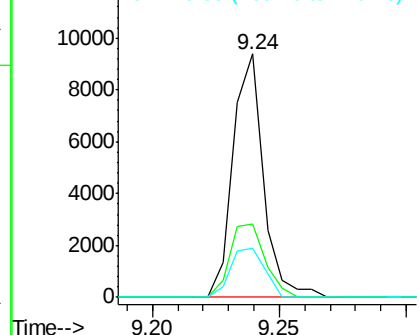
#44
2-Fluorobiphenyl
Concen: 0.47 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF102941.D
Acq: 13 Feb 2018 1:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 7822
Ion Ratio Lower Upper
172 100
171 30.2 29.7 44.5
170 20.4 19.6 29.4

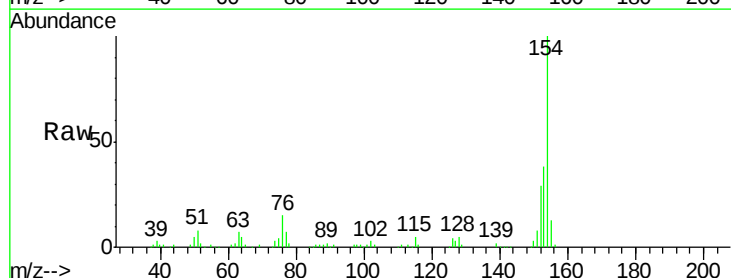


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

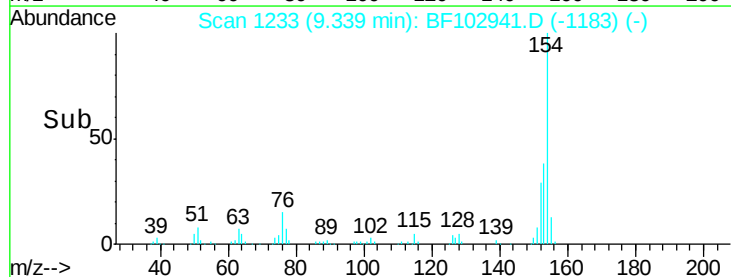
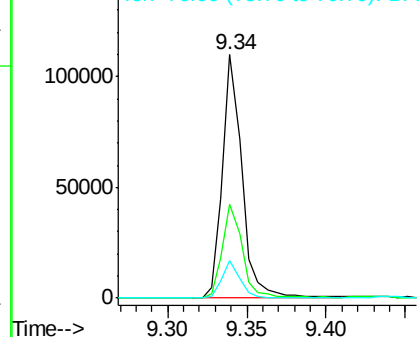


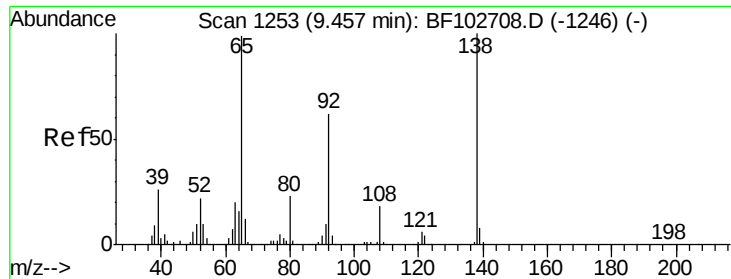
#45
1,1'-Biphenyl
Concen: 4.09 ng
RT: 9.34 min Scan# 1233
Delta R.T. -0.01 min
Lab File: BF102941.D
Acq: 13 Feb 2018 1:26

Tgt Ion:154 Resp: 94532
Ion Ratio Lower Upper
154 100
153 38.5 21.3 61.3
76 15.2 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





#47

2-Nitroaniline

Concen: 3.65 ng

RT: 9.50 min Scan# 1261

Delta R.T. 0.04 min

Lab File: BF102941.D

Acq: 13 Feb 2018 1:26

Instrument :

BNA_F

ClientSampleId :

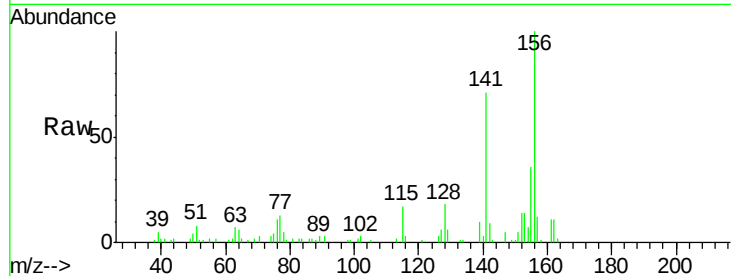
Tot Ion: 65 Resp: 1060

Ion Ratio Lower Upper

65 100

92 0.0 55.8 83.6#

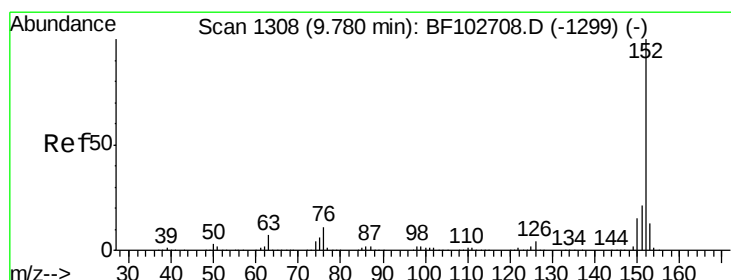
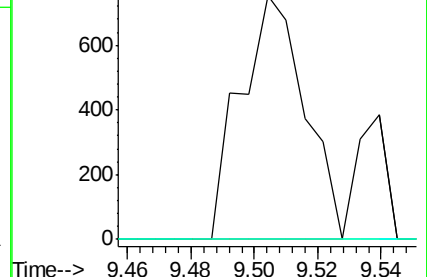
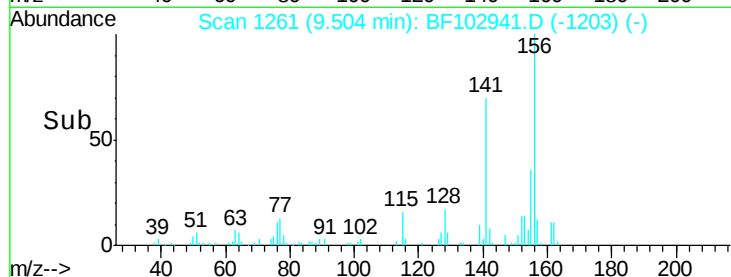
138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#48

Acenaphthylene

Concen: 18.45 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF102941.D

Acq: 13 Feb 2018 1:26

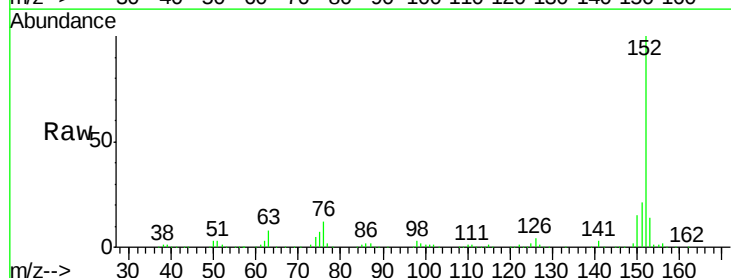
Tgt Ion: 152 Resp: 520855

Ion Ratio Lower Upper

152 100

151 20.9 16.3 24.5

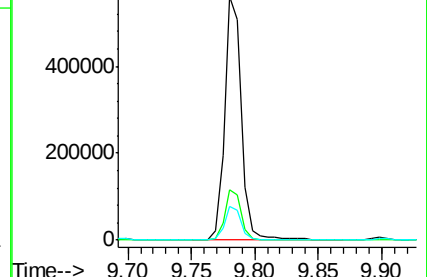
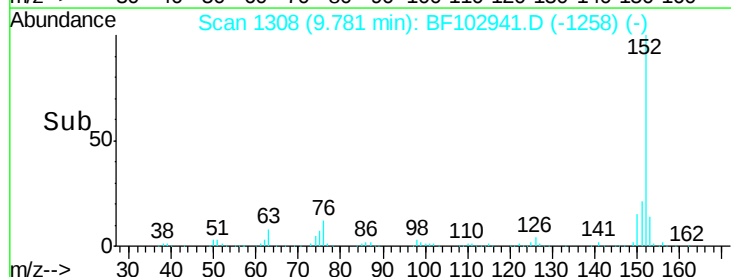
153 13.6 10.7 16.1

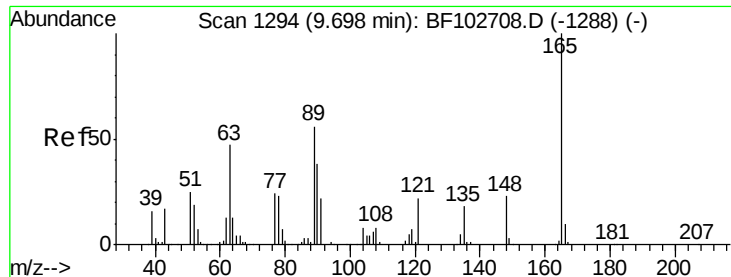


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

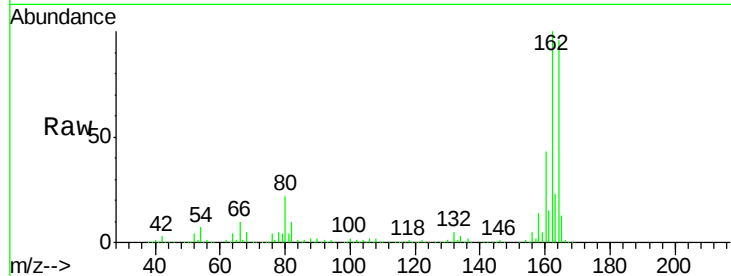




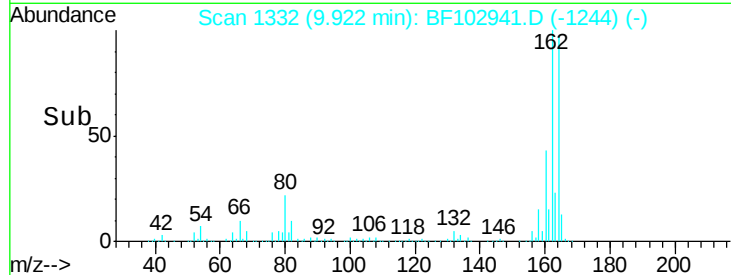
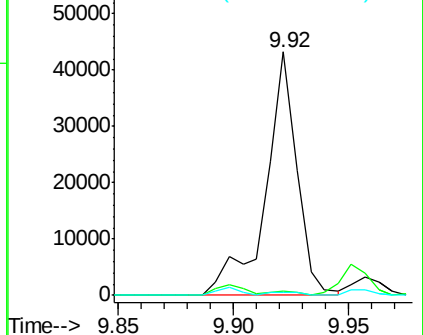
#50
 2,6-Dinitrotoluene
 Concen: 10.08 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. 0.22 min
 Lab File: BF102941.D
 Acq: 13 Feb 2018 1:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	44.7	67.1#
89	1.5	44.0	66.0#

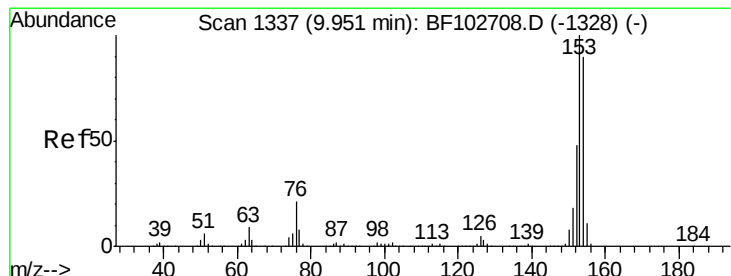


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

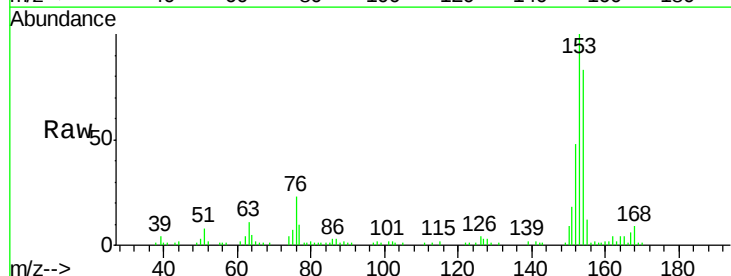
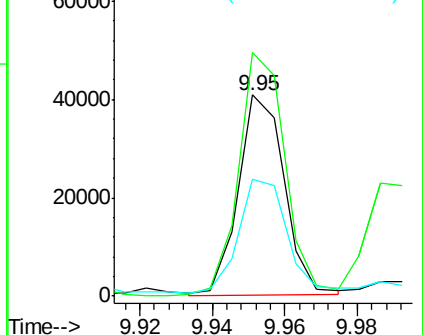


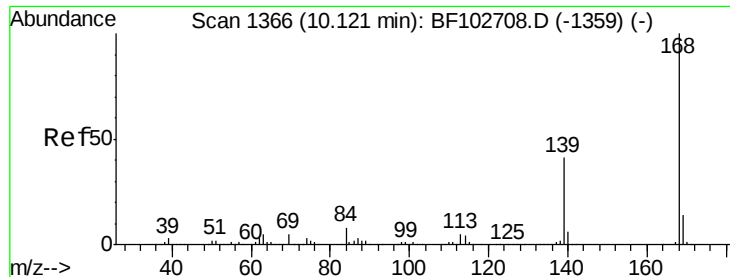
#51
 Acenaphthene
 Concen: 2.12 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: BF102941.D
 Acq: 13 Feb 2018 1:26

Tgt Ion	Ratio	Lower	Upper
154	100		
153	121.0	91.2	136.8
152	58.4	43.8	65.8



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

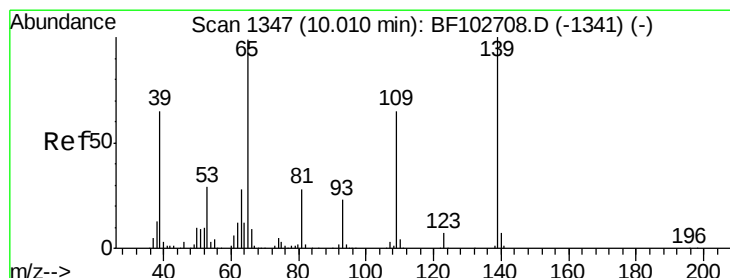
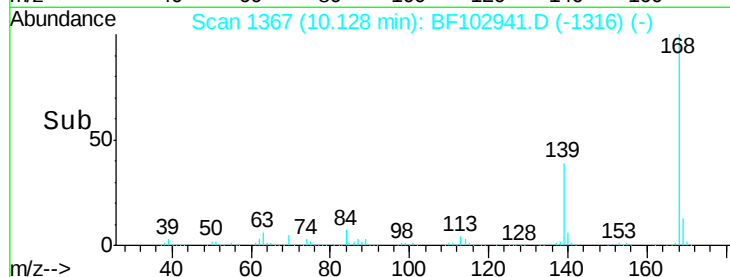
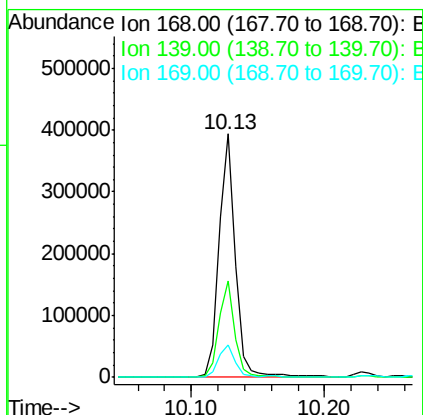
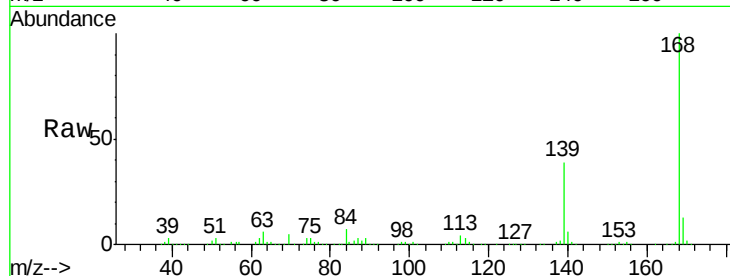




#54
Dibenzofuran
Concen: 14.28 ng
RT: 10.13 min Scan# 1367
Delta R.T. 0.00 min
Lab File: BF102941.D
Acq: 13 Feb 2018 1:26

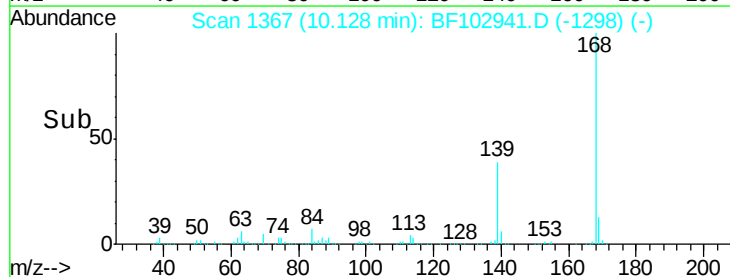
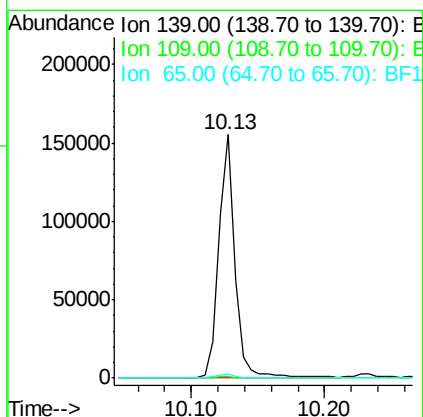
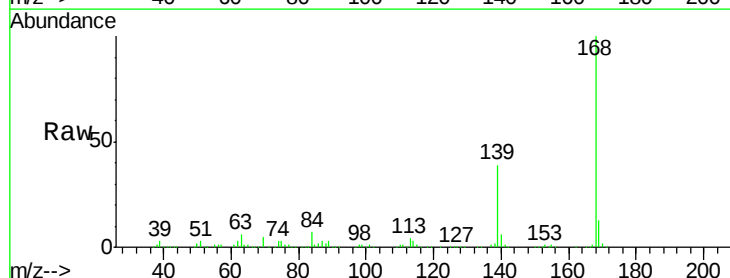
Instrument :
BNA_F
ClientSampleId :

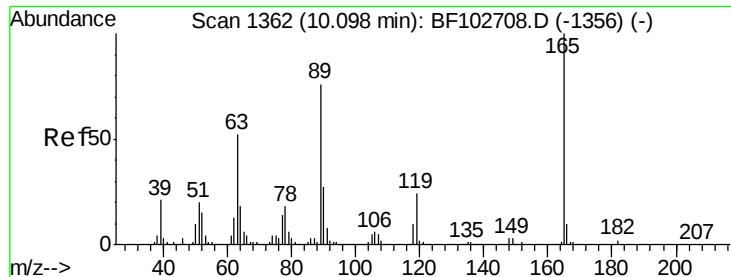
Tot Ion:168 Resp: 339851
Ion Ratio Lower Upper
168 100
139 39.4 30.1 45.1
169 13.4 10.9 16.3



#55
4-Nitrophenol
Concen: 35.04 ng
RT: 10.13 min Scan# 1367
Delta R.T. 0.11 min
Lab File: BF102941.D
Acq: 13 Feb 2018 1:26

Tgt Ion:139 Resp: 134306
Ion Ratio Lower Upper
139 100
109 0.7 48.4 88.4#
65 1.5 72.6 112.6#

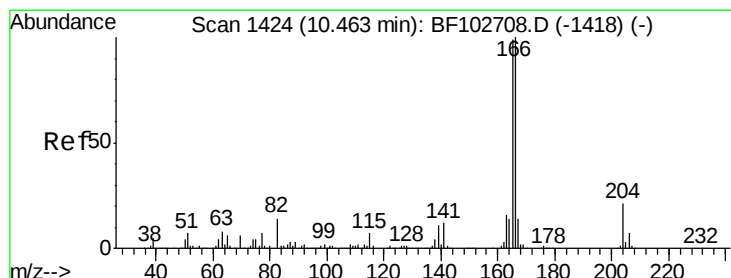
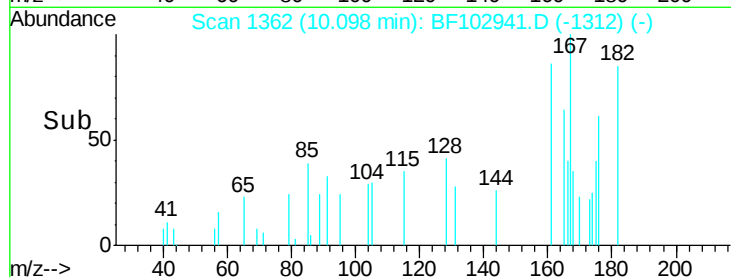
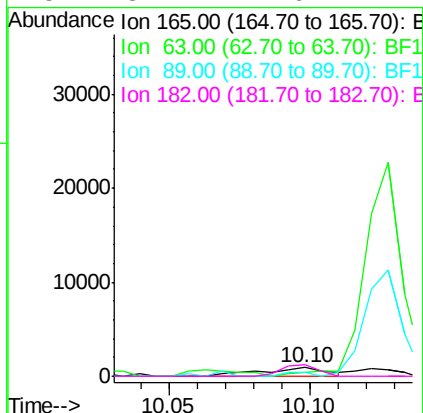
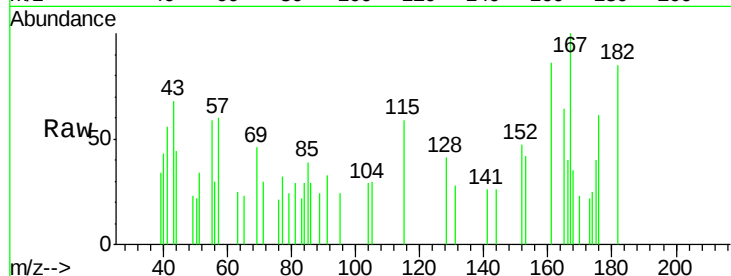




#56
2,4-Dinitrotoluene
Concen: 3.34 ng
RT: 10.10 min Scan# 1362
Delta R.T. -0.01 min
Lab File: BF102941.D
Acq: 13 Feb 2018 1:26

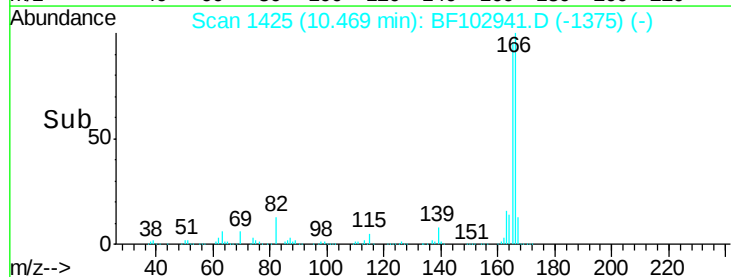
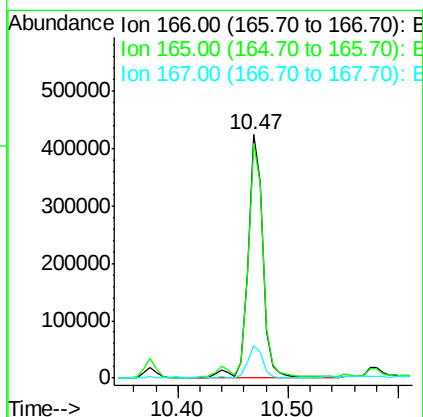
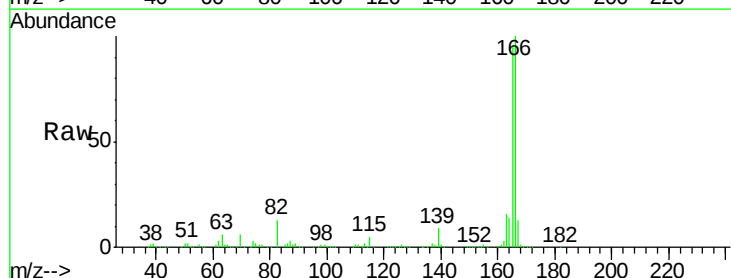
Instrument :
BNA_F
ClientSampleId :

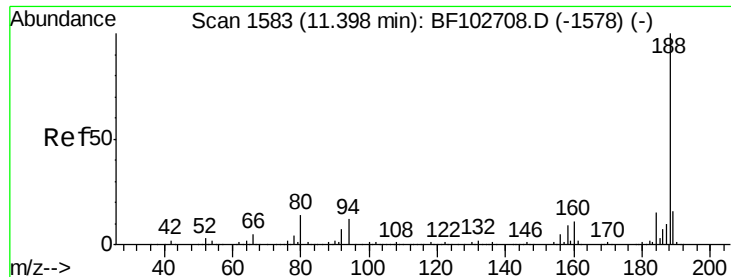
Tot Ion:165 Resp: 1518
Ion Ratio Lower Upper
165 100
63 39.0 36.4 54.6
89 37.2 57.8 86.6#
182 132.1 1.6 2.4#



#57
Fluorene
Concen: 23.24 ng
RT: 10.47 min Scan# 1425
Delta R.T. -0.01 min
Lab File: BF102941.D
Acq: 13 Feb 2018 1:26

Tgt Ion:166 Resp: 402455
Ion Ratio Lower Upper
166 100
165 96.4 79.8 119.8
167 13.4 10.6 16.0

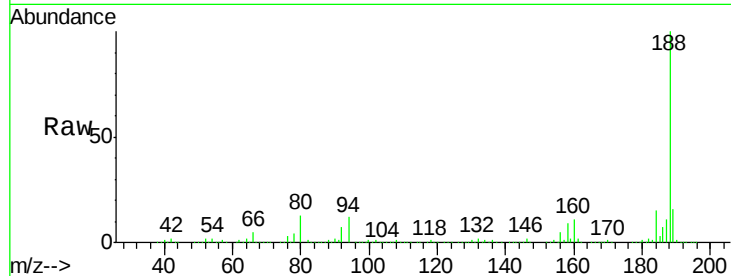




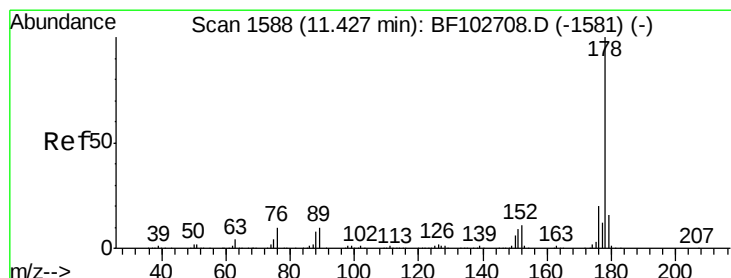
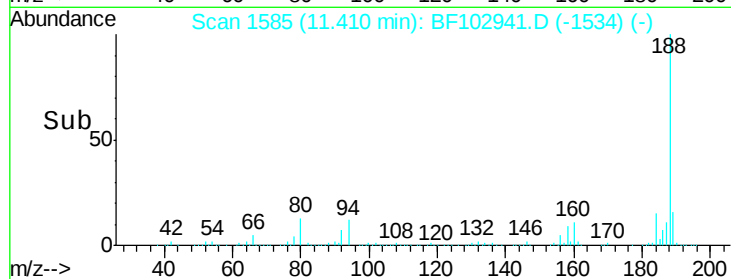
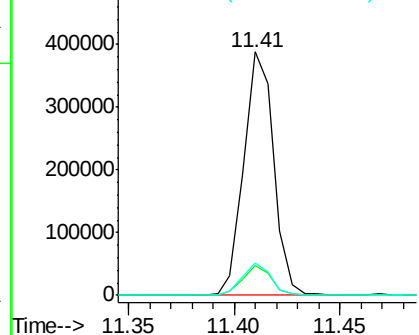
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BF102941.D
Acq: 13 Feb 2018 1:26

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 379882
Ion Ratio Lower Upper
188 100
94 12.5 8.5 12.7
80 13.2 9.2 13.8

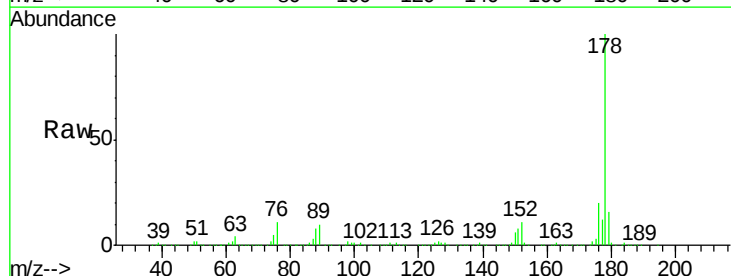


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

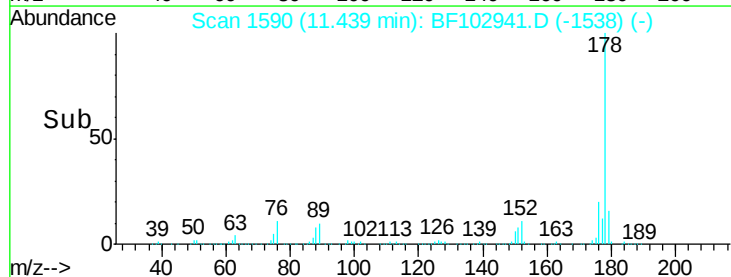
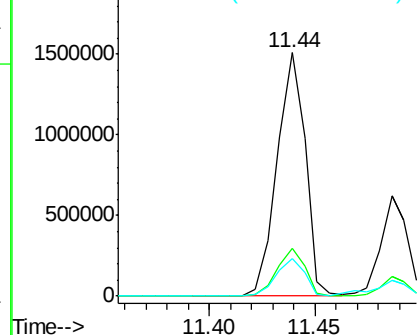


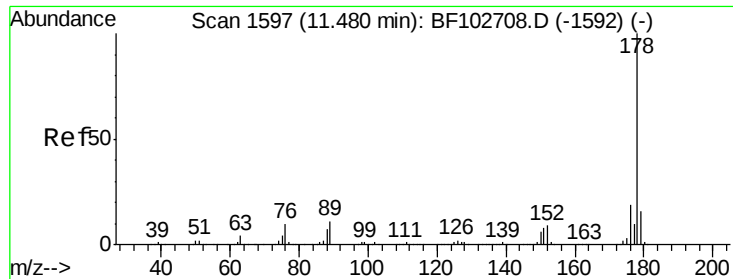
#70
Phenanthrene
Concen: 66.54 ng
RT: 11.44 min Scan# 1590
Delta R.T. 0.01 min
Lab File: BF102941.D
Acq: 13 Feb 2018 1:26

Tgt Ion:178 Resp: 1407709
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.8
179 15.6 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

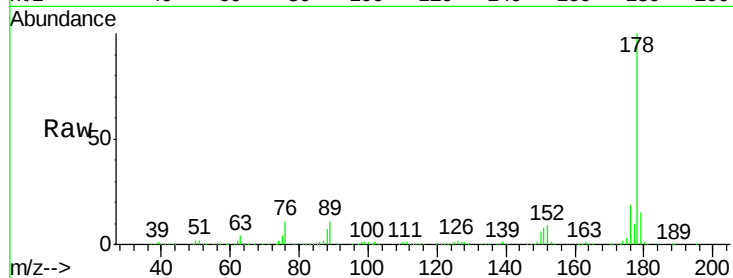




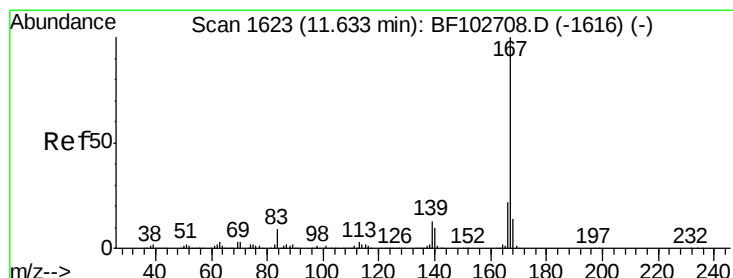
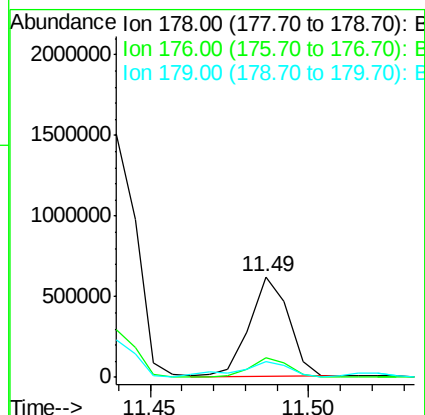
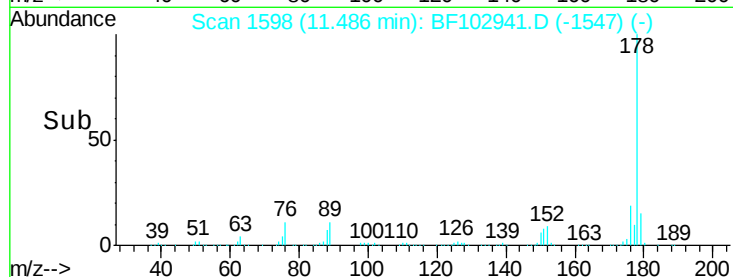
#71
 Anthracene
 Concen: 24.69 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: BF102941.D
 Acq: 13 Feb 2018 1:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 531368
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.4 23.2
 179 15.5 12.6 19.0

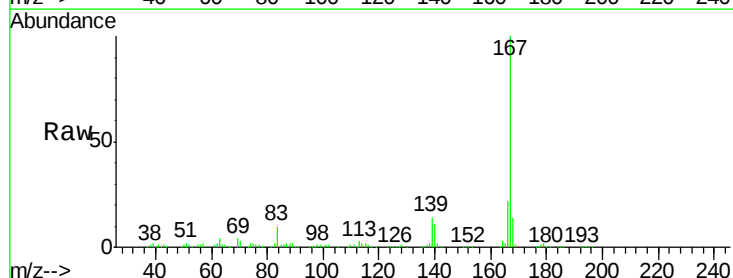


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

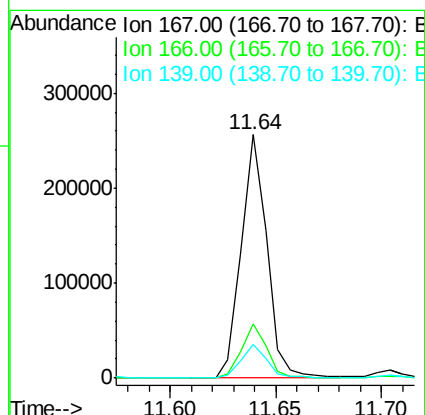
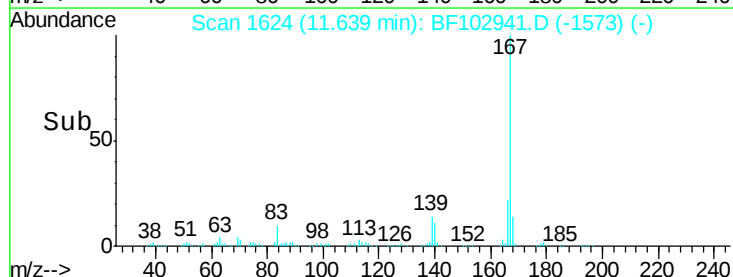


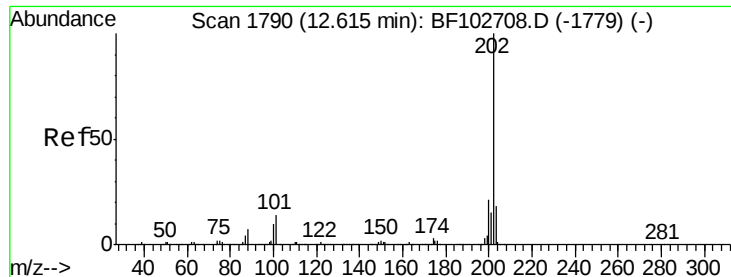
#72
 Carbazole
 Concen: 10.25 ng
 RT: 11.64 min Scan# 1624
 Delta R.T. 0.00 min
 Lab File: BF102941.D
 Acq: 13 Feb 2018 1:26

Tgt Ion:167 Resp: 215982
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.6 26.4
 139 13.8 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

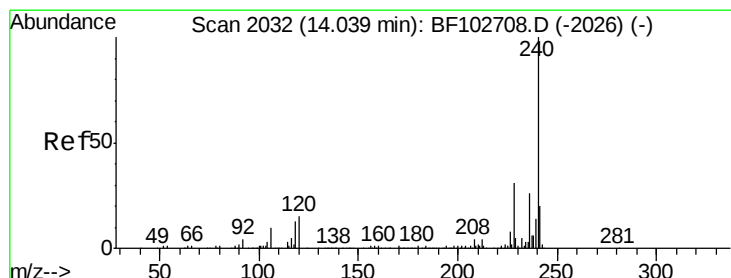
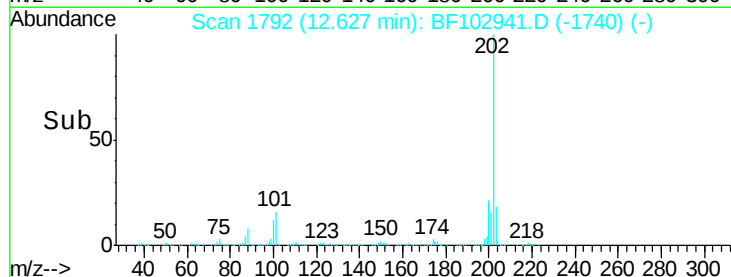
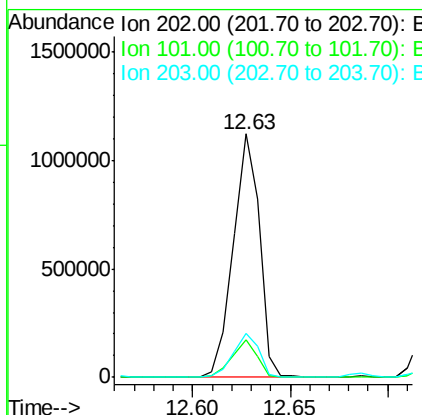
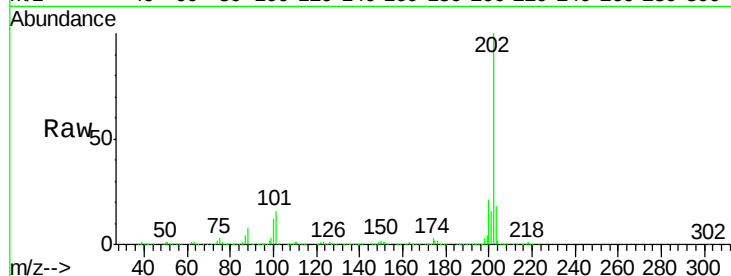




#74
 Fluoranthene
 Concen: 49.30 ng
 RT: 12.63 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: BF102941.D
 Acq: 13 Feb 2018 1:26

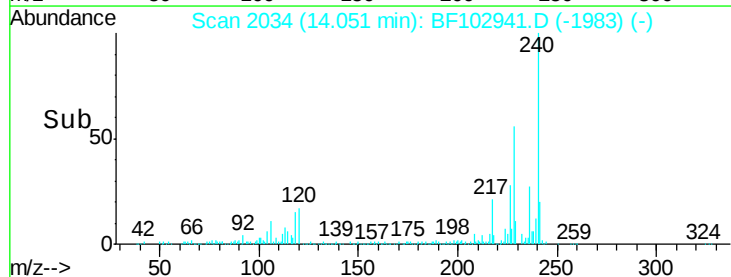
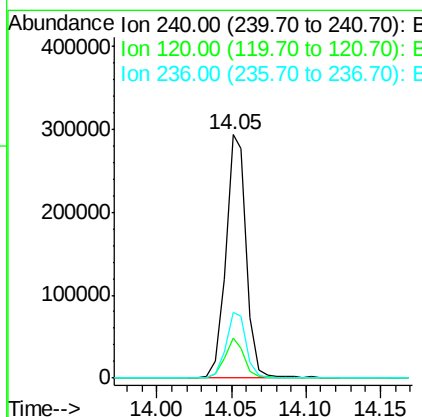
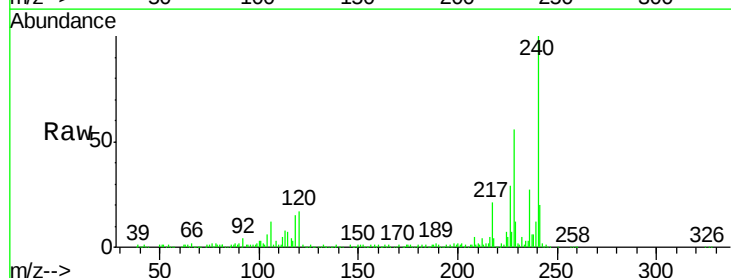
Instrument :
 BNA_F
 ClientSampleId :

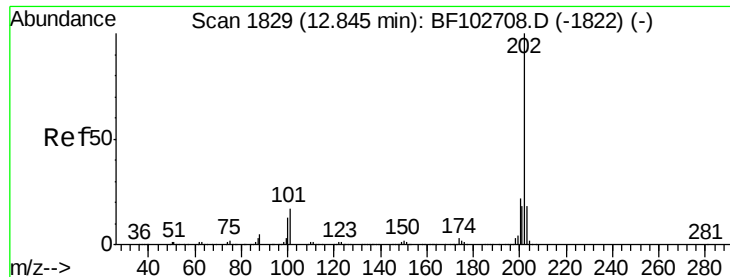
Tot Ion:202 Resp: 1049471
 Ion Ratio Lower Upper
 202 100
 101 15.5 0.0 34.1
 203 18.0 0.0 38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: BF102941.D
 Acq: 13 Feb 2018 1:26

Tgt Ion:240 Resp: 285436
 Ion Ratio Lower Upper
 240 100
 120 16.7 9.5 14.3#
 236 26.9 20.7 31.1





#77

Pvrene

Concen: 37.65 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.01 min

Lab File: BF102941.D

Acq: 13 Feb 2018 1:26

Instrument :

BNA_F

ClientSampleId :

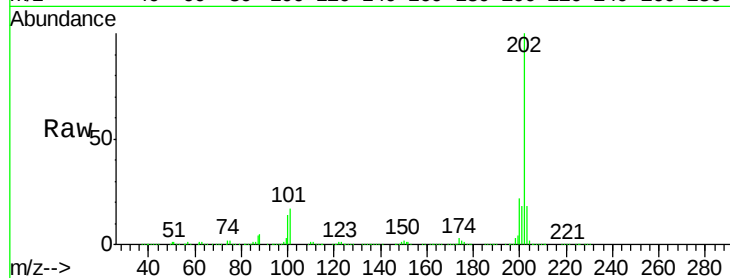
Tot Ion:202 Resp: 842782

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

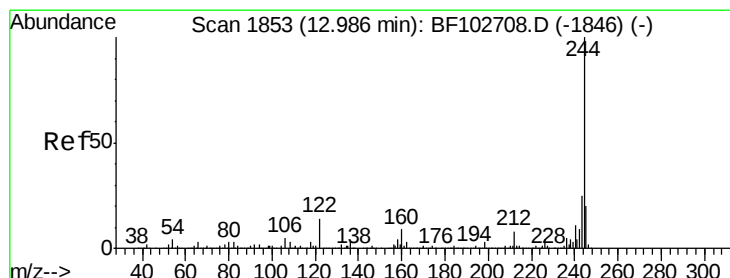
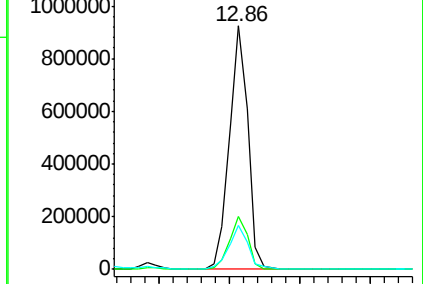
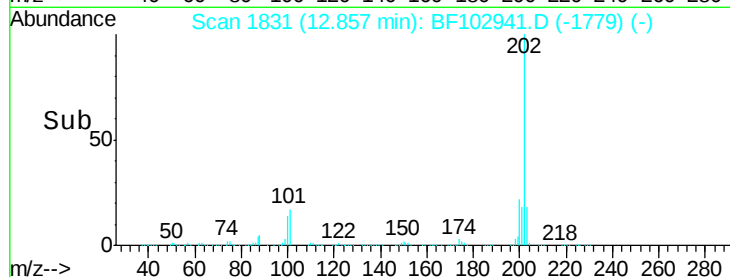
203 17.8 14.3 21.5



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: 0.44 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF102941.D

Acq: 13 Feb 2018 1:26

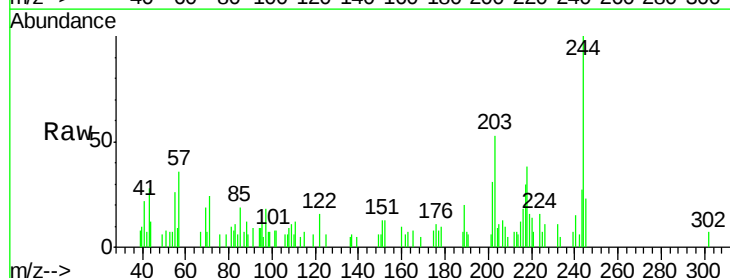
Tgt Ion:244 Resp: 5250

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

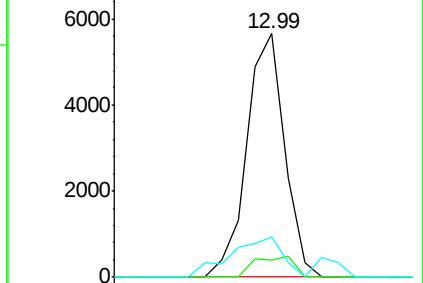
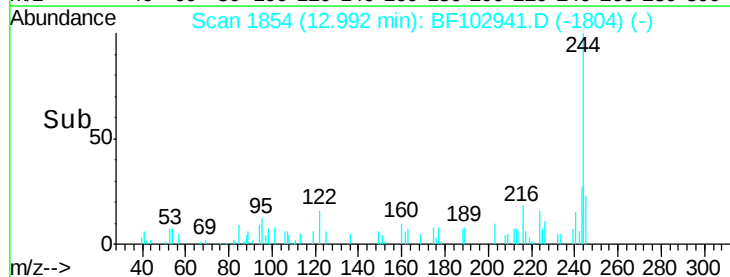
122 16.3 11.0 16.4

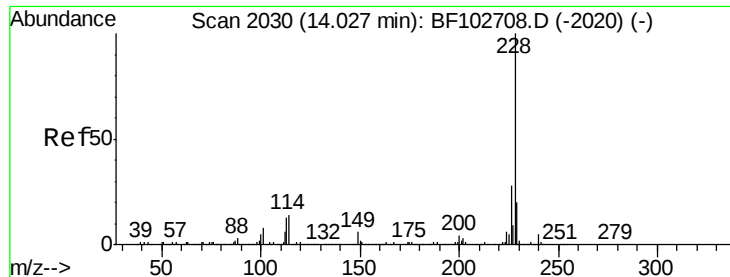


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

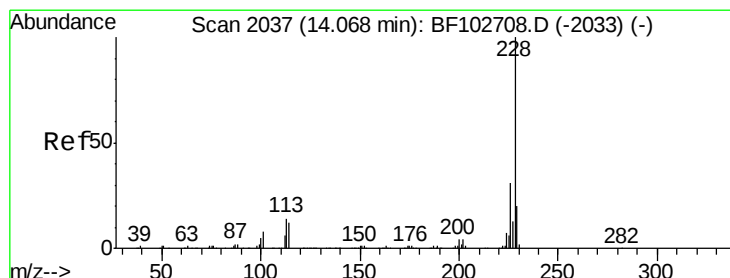
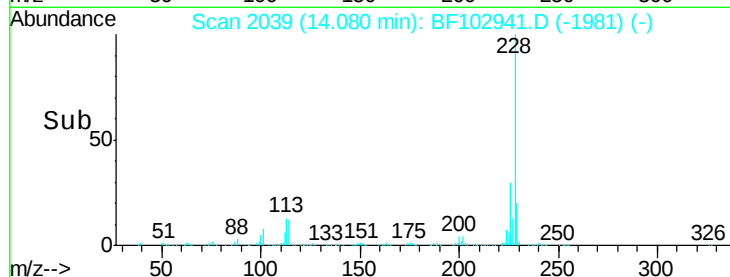
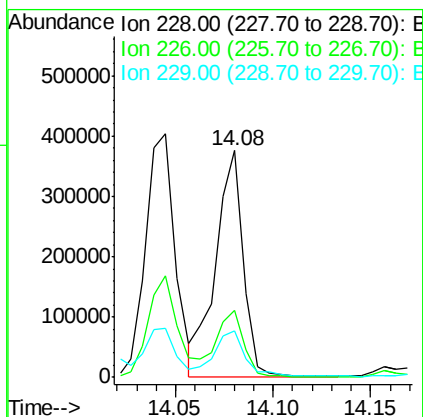
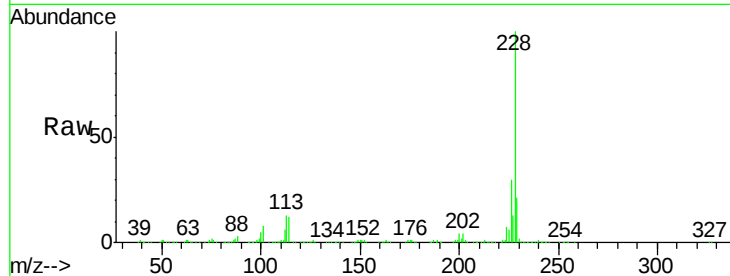




#80
Benzo(a)anthracene
Concen: 20.70 ng
RT: 14.08 min Scan# 2039
Delta R.T. 0.04 min
Lab File: BF102941.D
Acq: 13 Feb 2018 1:26

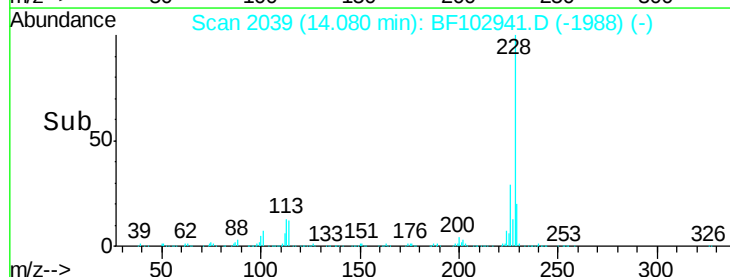
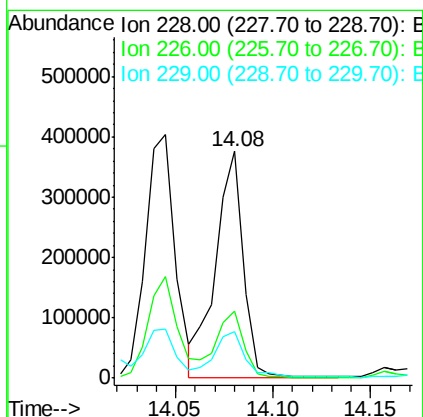
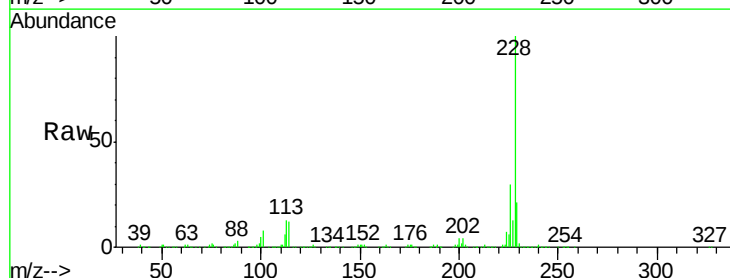
Instrument :
BNA_F
ClientSampleId :

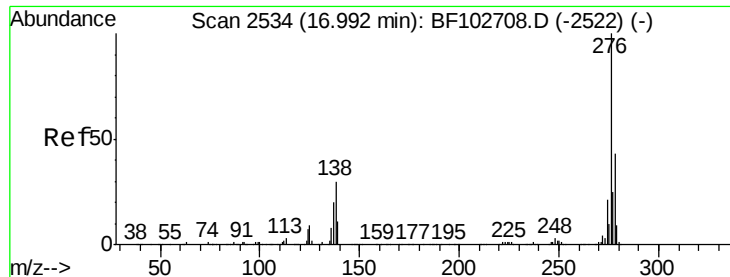
Tot Ion:228 Resp: 371572
Ion Ratio Lower Upper
228 100
226 29.7 22.6 33.8
229 20.7 15.8 23.6



#82
Chrysene
Concen: 20.53 ng
RT: 14.08 min Scan# 2039
Delta R.T. 0.00 min
Lab File: BF102941.D
Acq: 13 Feb 2018 1:26

Tgt Ion:228 Resp: 371572
Ion Ratio Lower Upper
228 100
226 29.7 25.0 37.6
229 20.7 16.2 24.4

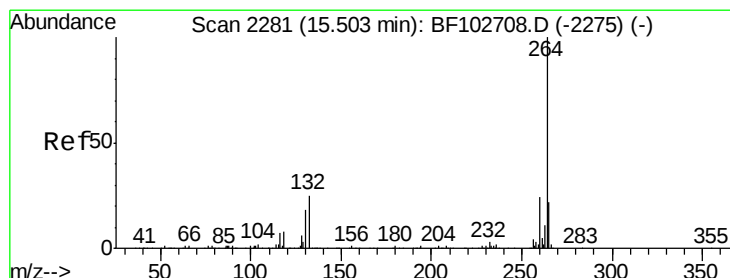
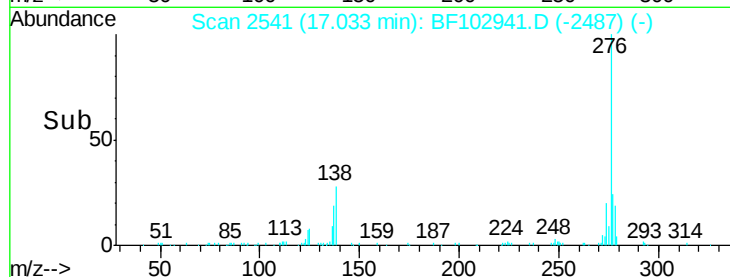
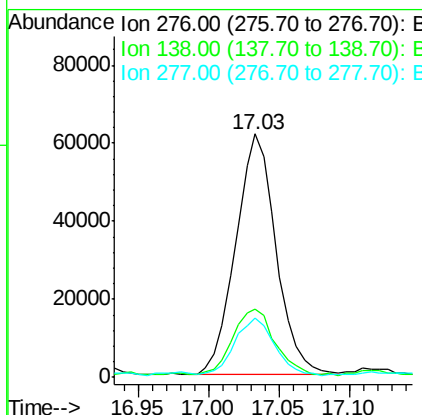
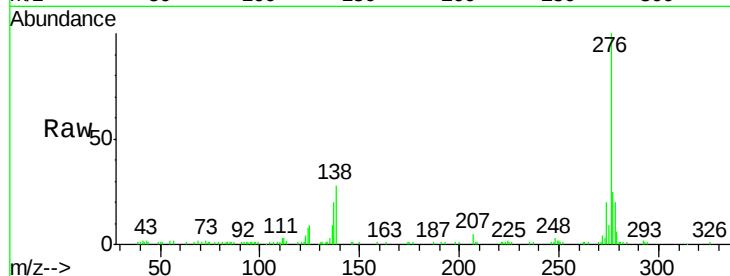




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.18 ng
 RT: 17.03 min Scan# 2541
 Delta R.T. 0.02 min
 Lab File: BF102941.D
 Acq: 13 Feb 2018 1:26

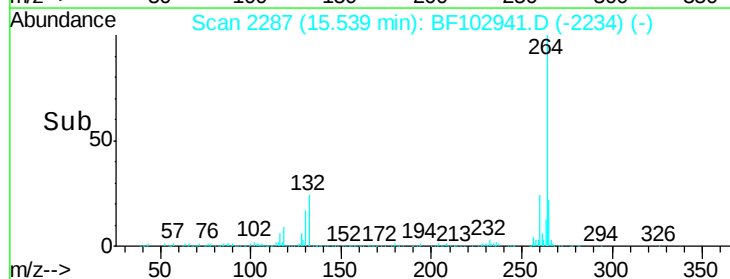
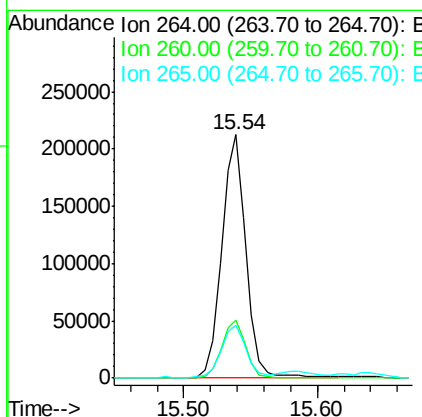
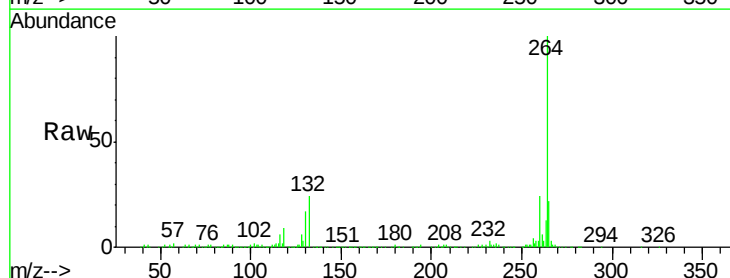
Instrument :
 BNA_F
 ClientSampleId :

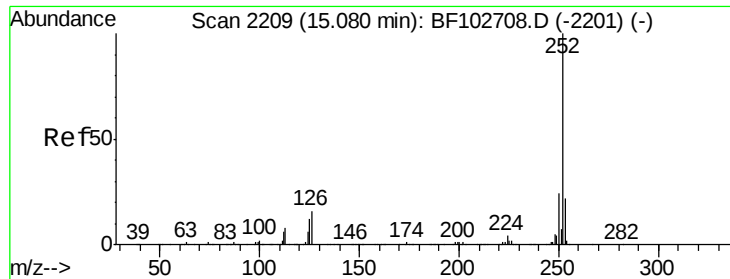
Tot Ion	Ratio	Lower	Upper
276	100		
138	27.9	25.0	37.6
277	24.1	20.1	30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.54 min Scan# 2287
 Delta R.T. 0.01 min
 Lab File: BF102941.D
 Acq: 13 Feb 2018 1:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.7	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 31.95 ng

RT: 15.10 min Scan# 2213

Delta R.T. 0.01 min

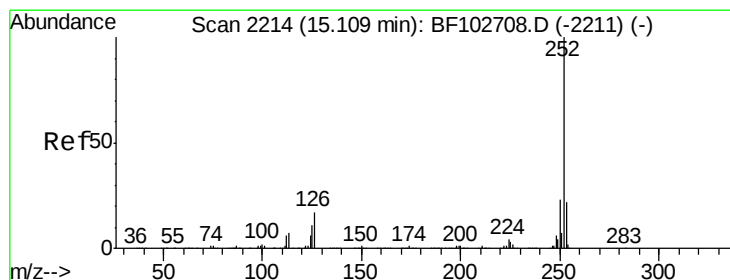
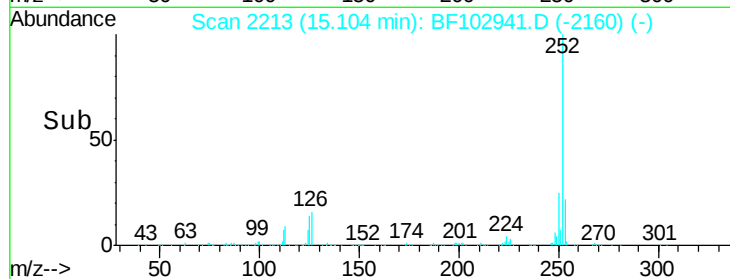
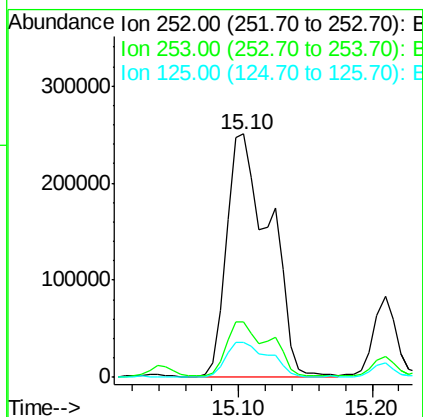
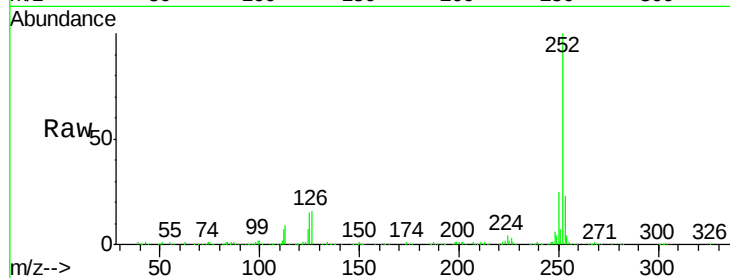
Lab File: BF102941.D

Acq: 13 Feb 2018 1:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 561007

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	14.5	9.0	13.6#



#88

Benzo(k)fluoranthene

Concen: 33.44 ng

RT: 15.10 min Scan# 2213

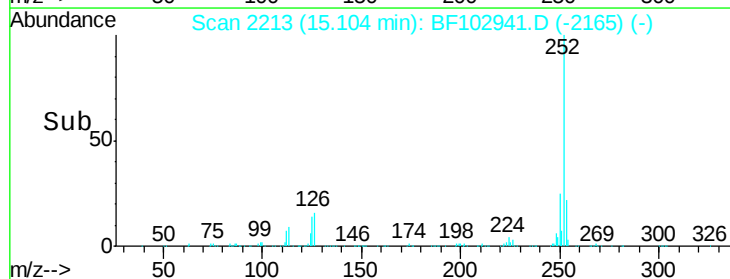
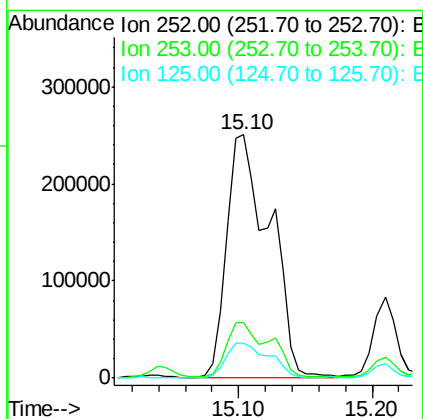
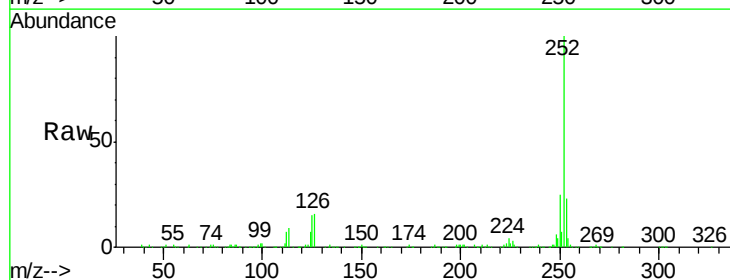
Delta R.T. -0.02 min

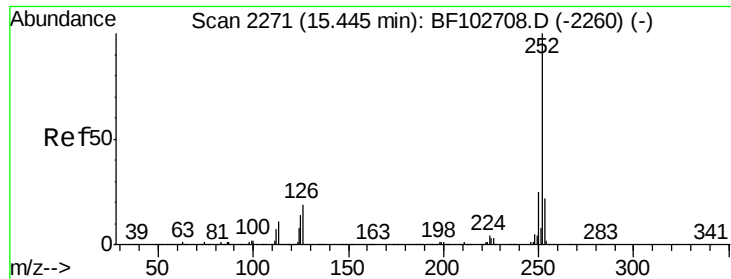
Lab File: BF102941.D

Acq: 13 Feb 2018 1:26

Tgt Ion:252 Resp: 561007

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	14.5	10.2	15.2

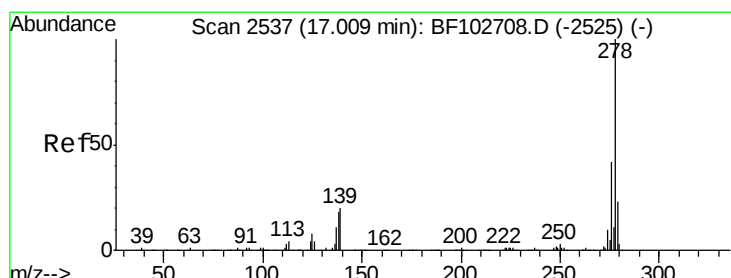
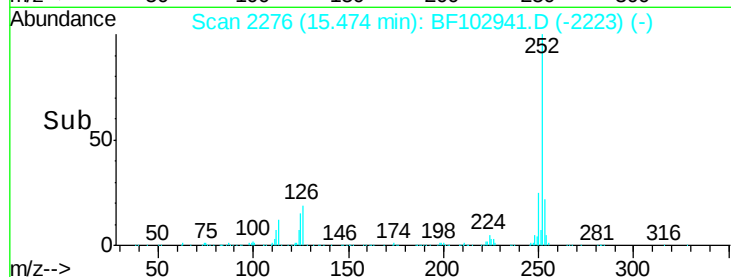
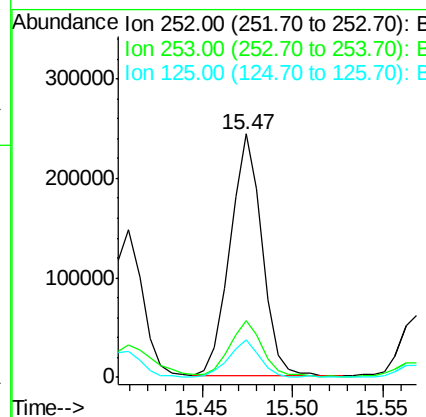
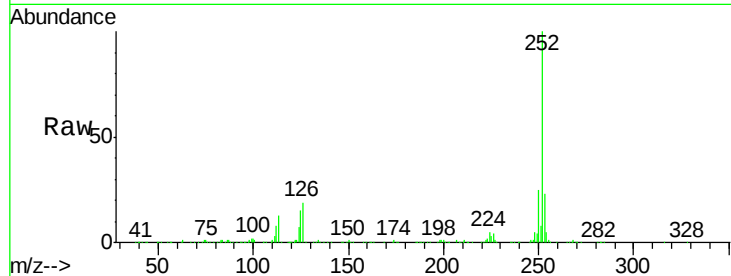




#89
Benzo(a)pyrene
Concen: 18.92 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BF102941.D
Acq: 13 Feb 2018 1:26

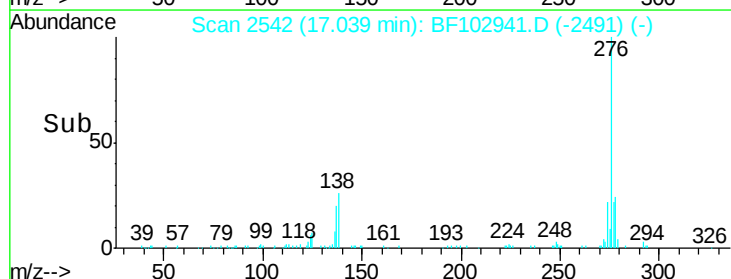
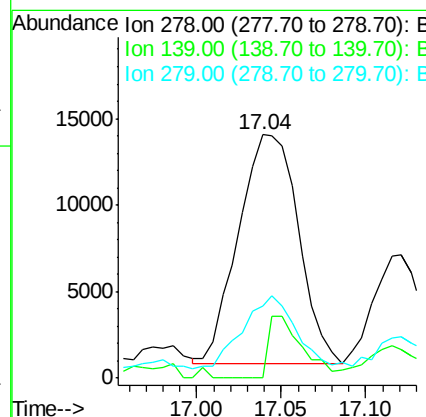
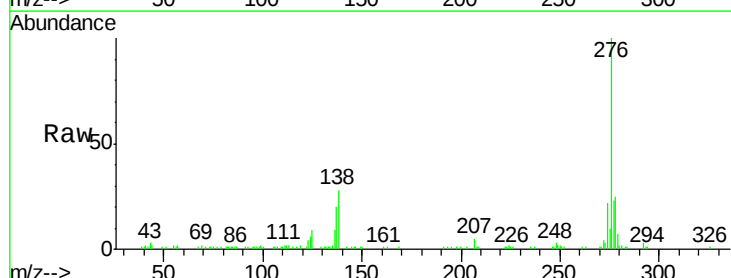
Instrument :
BNA_F
ClientSampleId :

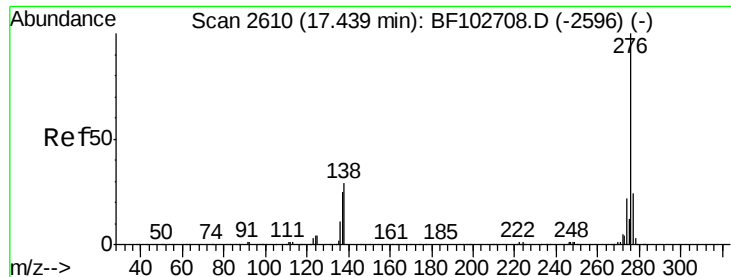
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	15.5	9.8	14.6#



#90
Dibenzo(a,h)anthracene
Concen: 2.55 ng
RT: 17.04 min Scan# 2542
Delta R.T. 0.00 min
Lab File: BF102941.D
Acq: 13 Feb 2018 1:26

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	29.4	19.0	28.4#





#91

Benzo(a,h,i)perylene

Concen: 8.50 ng

RT: 17.49 min Scan# 2618

Delta R.T. 0.01 min

Lab File: BF102941.D

Acq: 13 Feb 2018 1:26

Instrument :

BNA_F

ClientSampleId :

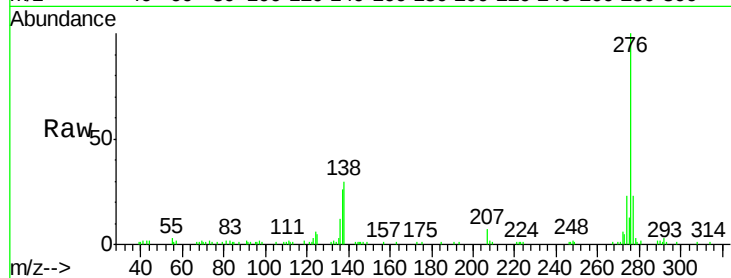
Tot Ion: 276 Resp: 106699

Ion Ratio Lower Upper

276 100

277 23.4 17.9 26.9

138 30.2 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

