

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
 Data File : BF102325.D
 Acq On : 23 Jan 2018 3:53
 Operator : SJ/JU
 Sample : J1210-04DL 10X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 23 07:51:54 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 23 00:43:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	116859	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	466202	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	185908	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	275341	20.00	ng	0.00
75) Chrysene-d12	13.88	240	232155	20.00	ng	0.00
86) Perylene-d12	15.30	264	188032	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	80210	10.41	ng	0.00
7) Phenol-d6	6.35	99	96677	10.40	ng	0.00
23) Nitrobenzene-d5	7.28	82	53635	6.61	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	15940	8.65	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	114172	9.03	ng	0.00
78) Terphenyl-d14	12.82	244	82711	8.03	ng	0.00

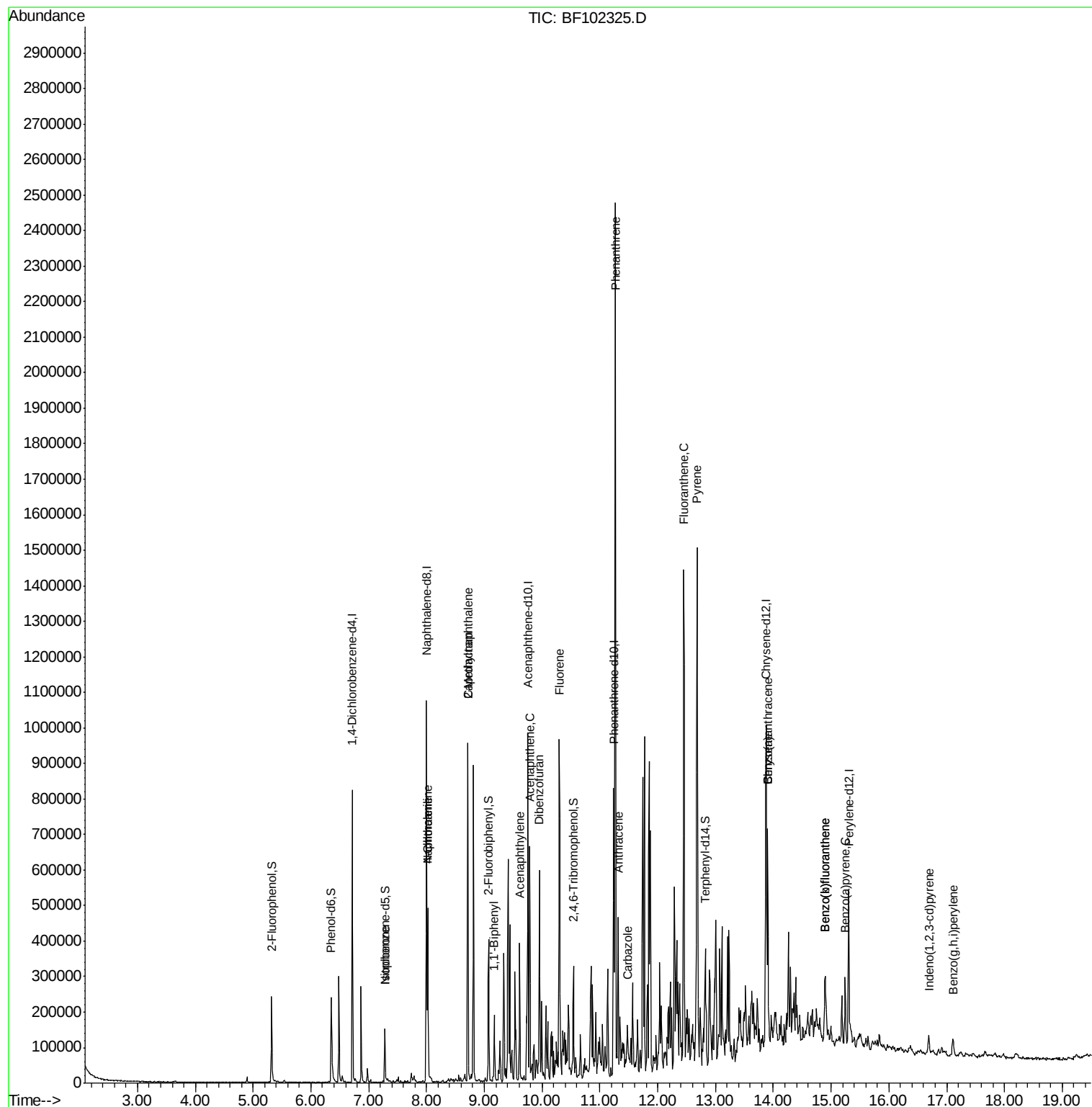
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.28	82	53634	3.708	ng	# 64
31) Naphthalene	8.02	128	183841	7.898	ng	99
33) 4-Chloroaniline	8.02	127	23284	2.379	ng	# 32
35) Caprolactam	8.72	113	5473	2.564	ng	# 1
37) 2-Methylnaphthalene	8.72	142	268692	17.333	ng	99
45) 1,1'-Biphenyl	9.17	154	53190	3.200	ng	99
48) Acenaphthylene	9.62	152	102350	5.084	ng	# 96
51) Acenaphthene	9.79	154	121720	10.353	ng	99
54) Dibenzofuran	9.96	168	153358	9.638	ng	# 96
57) Fluorene	10.30	166	247246	19.610	ng	99
70) Phenanthrene	11.27	178	940609	58.624	ng	99
71) Anthracene	11.32	178	159454	9.737	ng	100
72) Carbazole	11.47	167	33972	2.126	ng	98
74) Fluoranthene	12.45	202	494844	30.244	ng	100
77) Pyrene	12.68	202	589282	32.830	ng	99
80) Benzo(a)anthracene	13.90	228	202147	14.143	ng	96
82) Chrysene	13.90	228	202147	13.927	ng	97
85) Indeno(1,2,3-cd)pyrene	16.69	276	28158	2.349	ng	96
87) Benzo(b)fluoranthene	14.90	252	125042	10.260	ng	98
88) Benzo(k)fluoranthene	14.90	252	125042	10.860	ng	99
89) Benzo(a)pyrene	15.24	252	77838	7.082	ng	94
91) Benzo(g,h,i)perylene	17.11	276	31859	3.624	ng	# 90

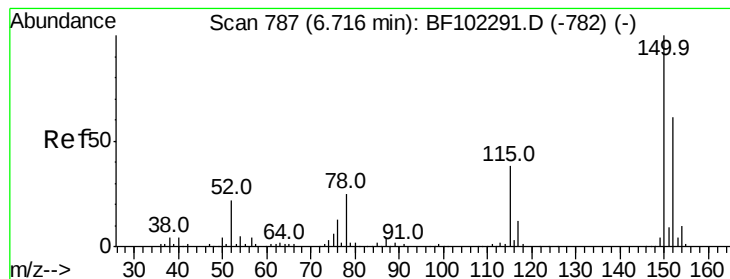
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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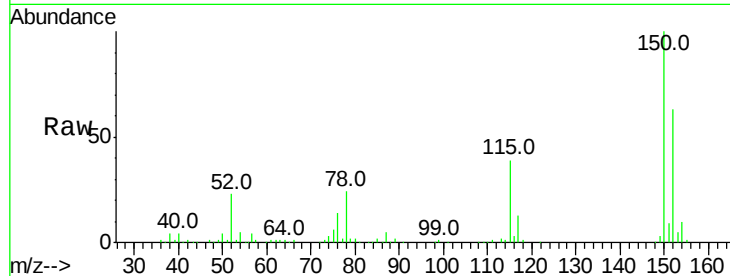


#1

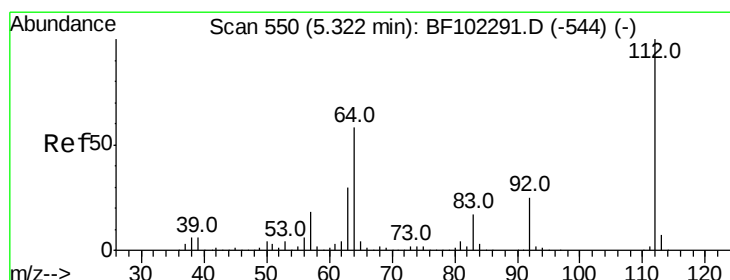
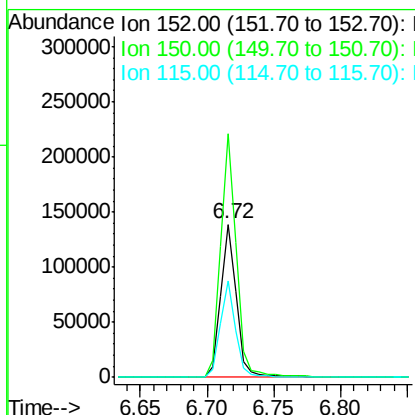
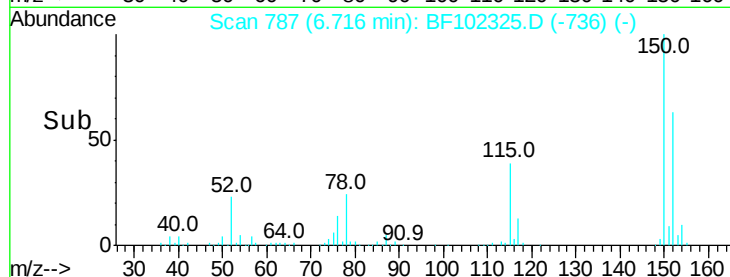
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 116859
Ion Ratio Lower Upper
152 100
150 159.3 124.6 186.8
115 62.9 50.1 75.1



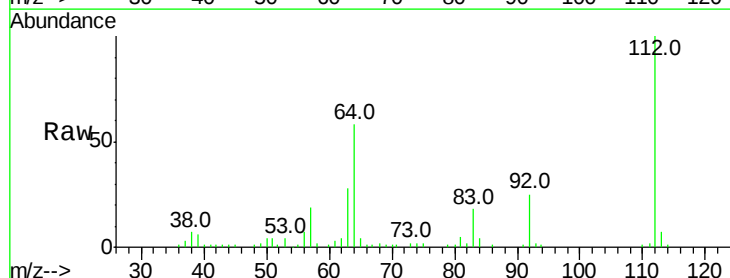
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



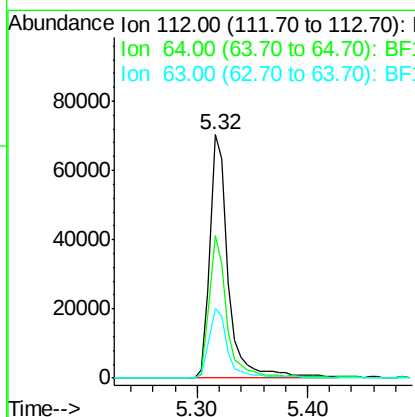
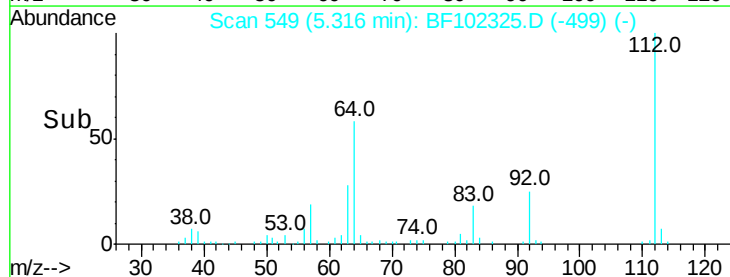
#5

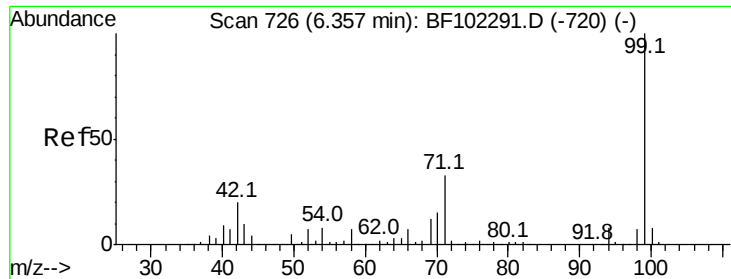
2-Fluorophenol
Concen: 10.407 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.01 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Tgt Ion:112 Resp: 80210
Ion Ratio Lower Upper
112 100
64 58.4 47.9 71.9
63 28.4 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: 10.405 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF102325.D

Acq: 23 Jan 2018 3:53

Instrument :

BNA_F

ClientSampleId :

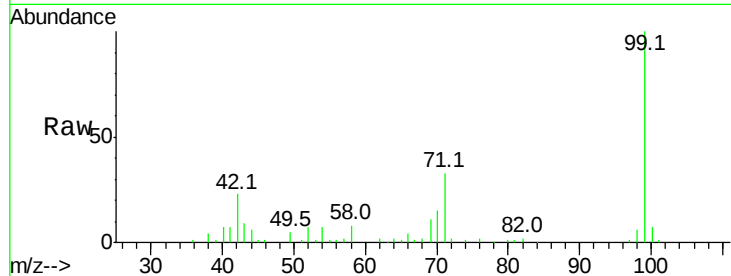
Tot Ion: 99 Resp: 96677

Ion Ratio Lower Upper

99 100

42 22.7 14.5 21.7#

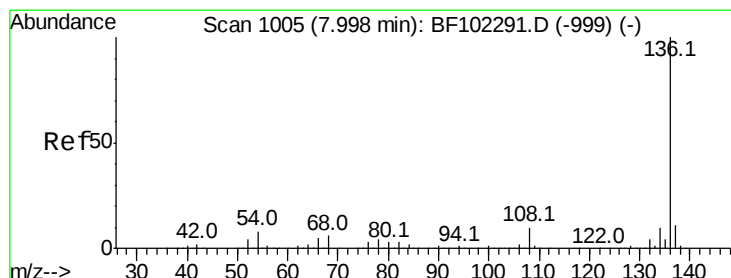
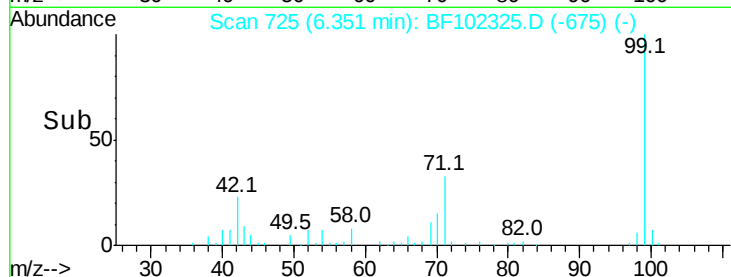
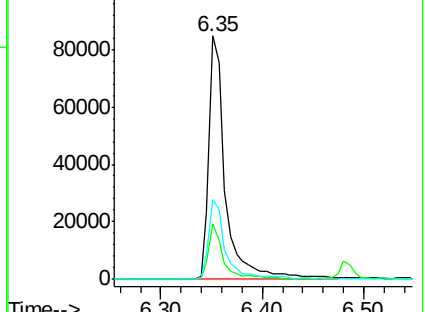
71 32.7 25.4 38.0



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: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BF102325.D

Acq: 23 Jan 2018 3:53

Tgt Ion: 136 Resp: 466202

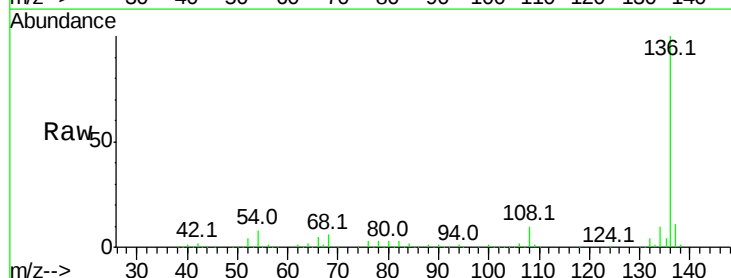
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 8.4 6.6 9.8

68 5.6 5.0 7.4

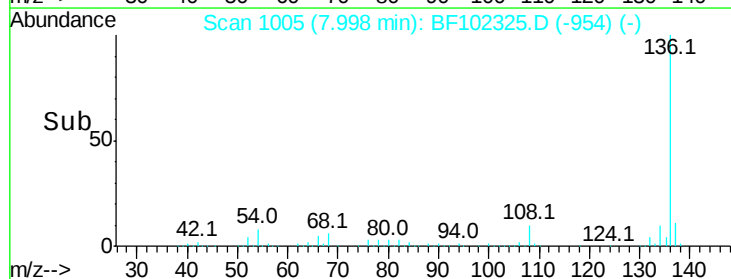
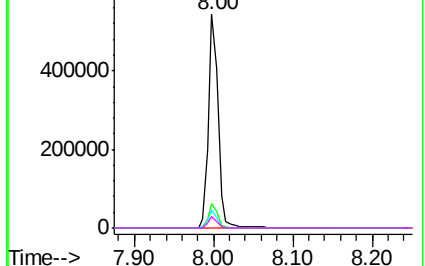


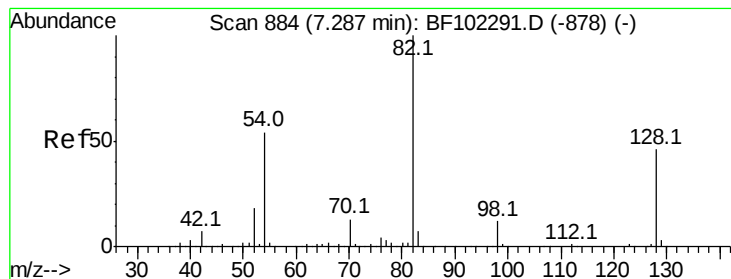
Abundance Ion 136.00 (135.70 to 136.70): E

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: 6.611 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF102325.D

Acq: 23 Jan 2018 3:53

Instrument :

BNA_F

ClientSampleId :

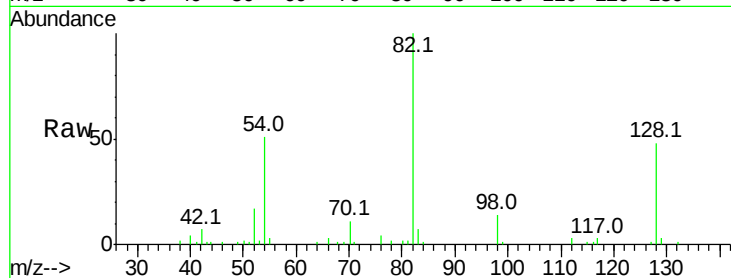
Tot Ion: 82 Resp: 53635

Ion Ratio Lower Upper

82 100

128 48.2 36.1 54.1

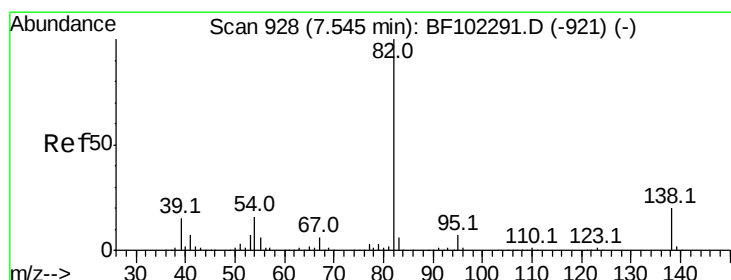
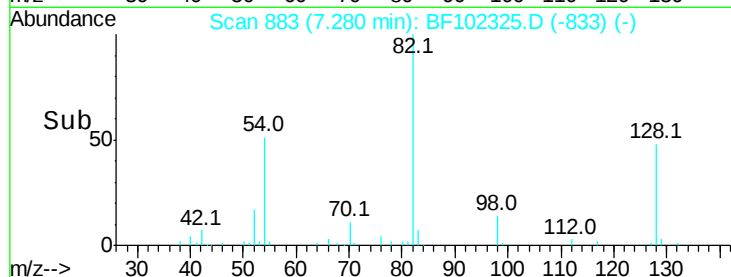
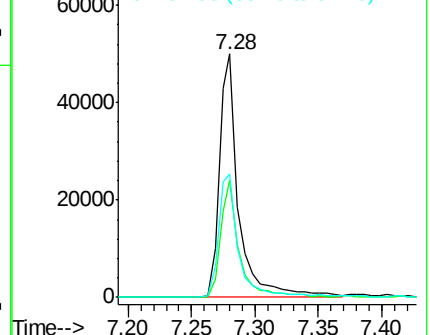
54 50.9 41.4 62.2



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



#25

Isophorone

Concen: 3.708 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.27 min

Lab File: BF102325.D

Acq: 23 Jan 2018 3:53

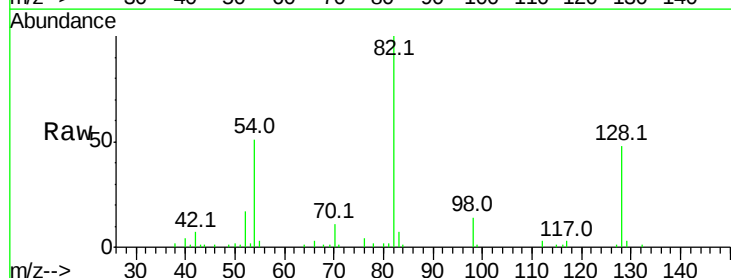
Tgt Ion: 82 Resp: 53634

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

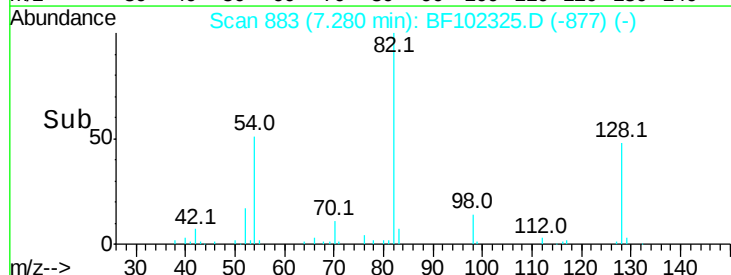
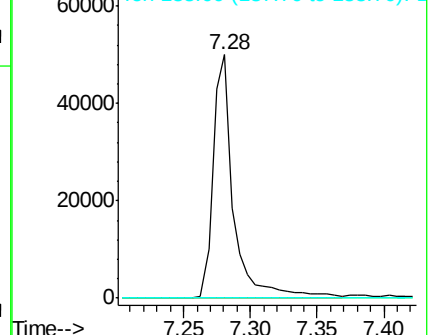
138 0.0 14.9 22.3#

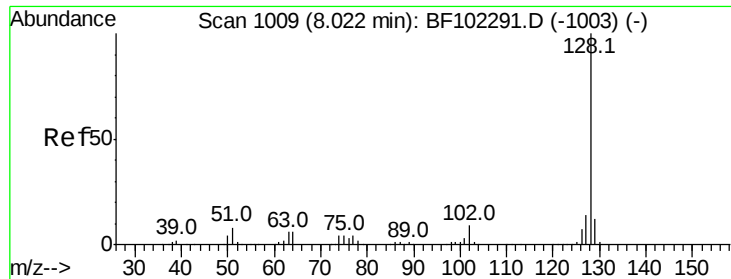


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

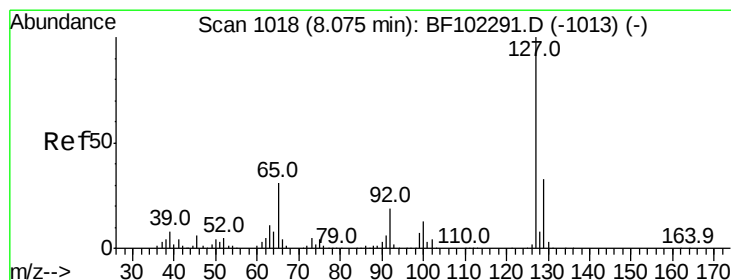
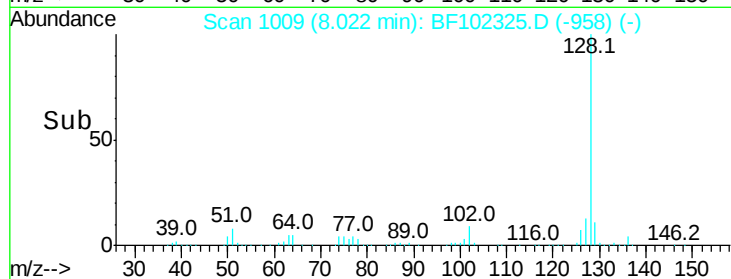
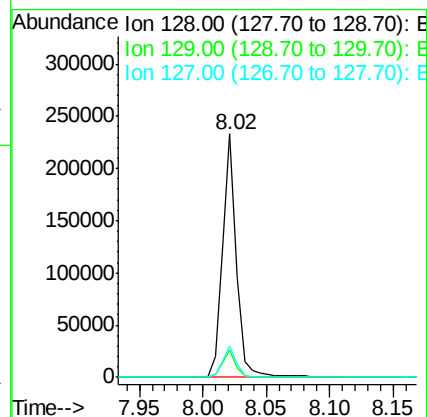
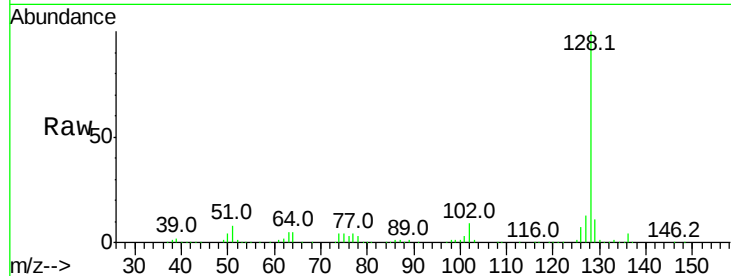




#31
Naphthalene
Concen: 7.898 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

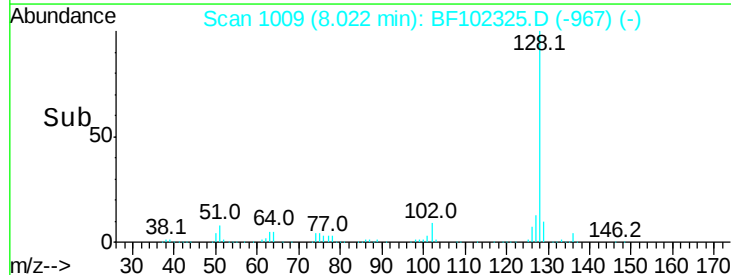
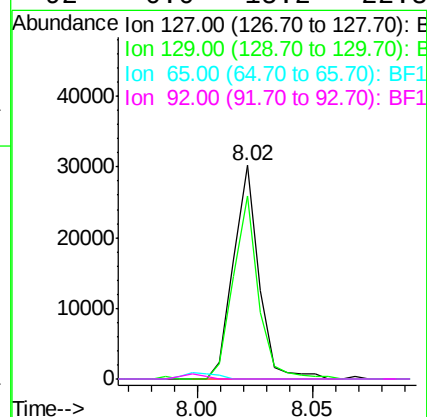
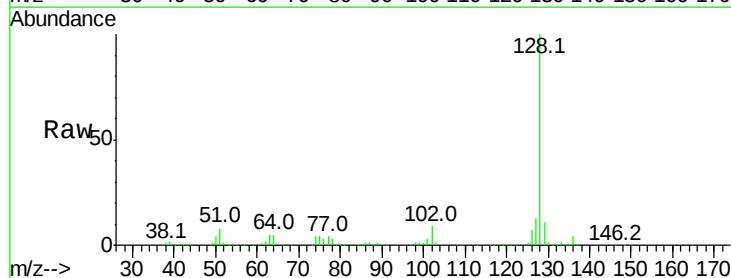
Instrument :
BNA_F
ClientSampleId :

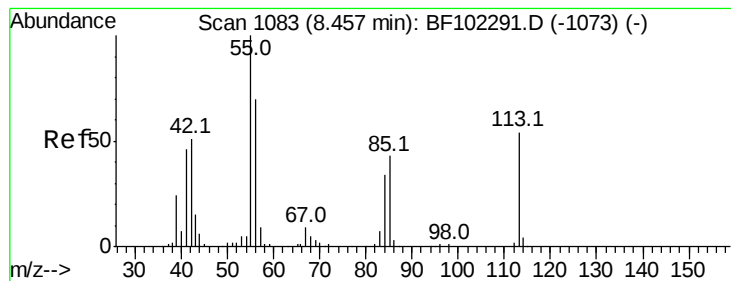
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	13.0	10.9	16.3



#33
4-Chloroaniline
Concen: 2.379 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.05 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Tgt Ion	Ratio	Lower	Upper
127	100		
129	85.7	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#





#35

Caprolactam

Concen: 2.564 ng

RT: 8.72 min Scan# 1127

Delta R.T. 0.26 min

Lab File: BF102325.D

Acq: 23 Jan 2018 3:53

Instrument :

BNA_F

ClientSampleId :

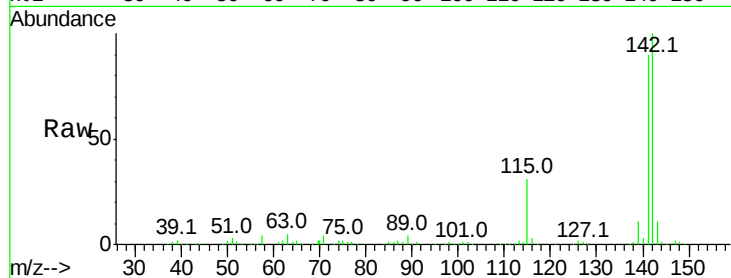
Tot Ion:113 Resp: 5473

Ion Ratio Lower Upper

113 100

55 13.3 163.3 203.3#

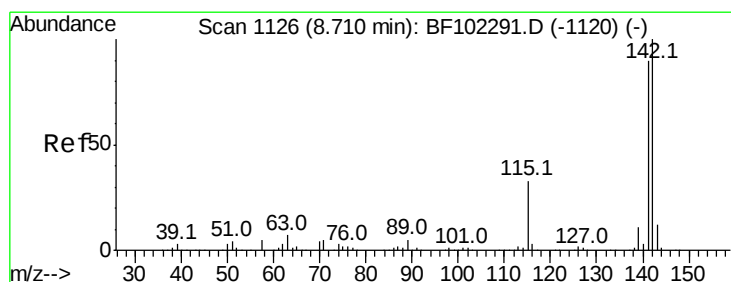
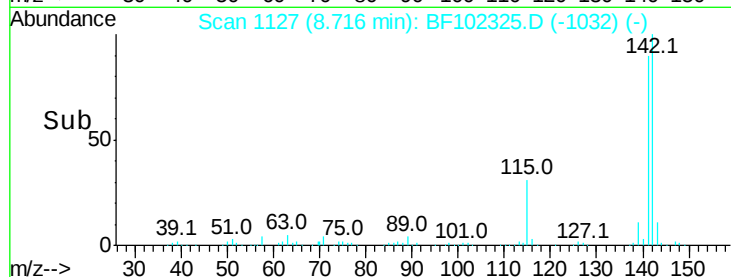
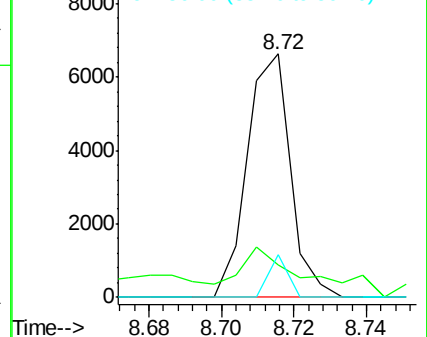
56 17.6 115.7 155.7#



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: 17.333 ng

RT: 8.72 min Scan# 1127

Delta R.T. 0.01 min

Lab File: BF102325.D

Acq: 23 Jan 2018 3:53

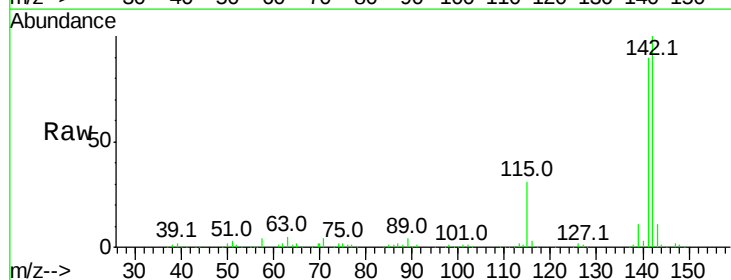
Tgt Ion:142 Resp: 268692

Ion Ratio Lower Upper

142 100

141 89.5 70.8 106.2

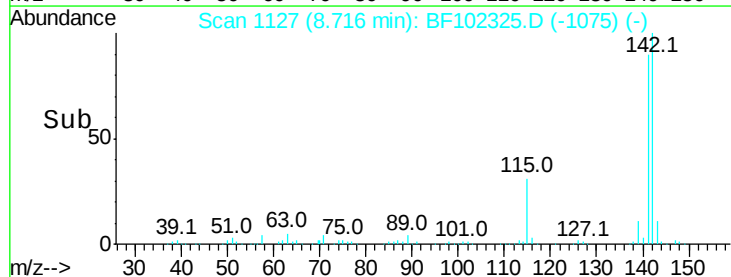
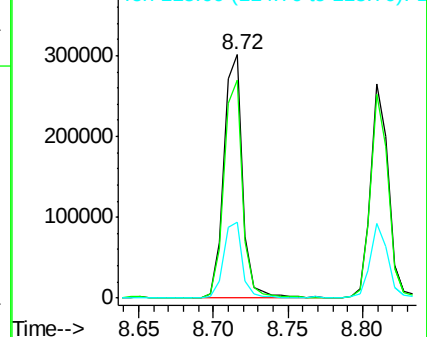
115 31.3 26.1 39.1

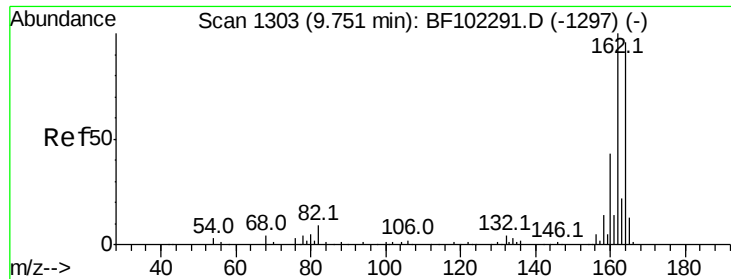


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

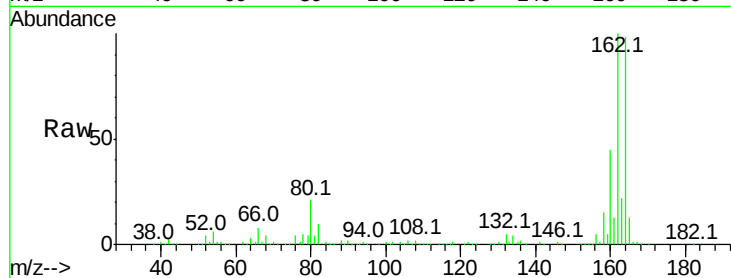




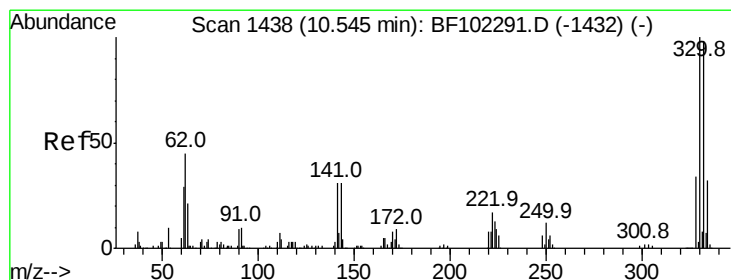
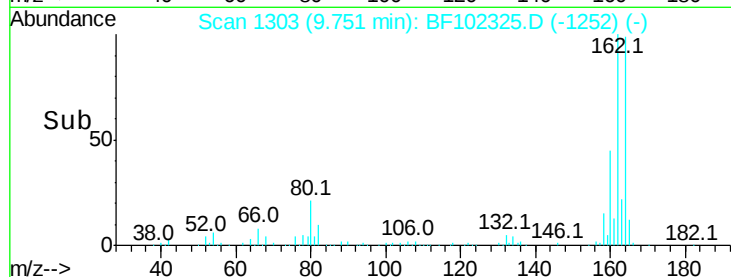
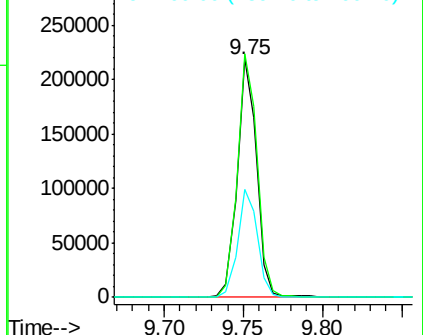
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.00 min
 Lab File: BF102325.D
 Acq: 23 Jan 2018 3:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 185908
 Ion Ratio Lower Upper
 164 100
 162 102.2 86.1 129.1
 160 45.6 38.3 57.5

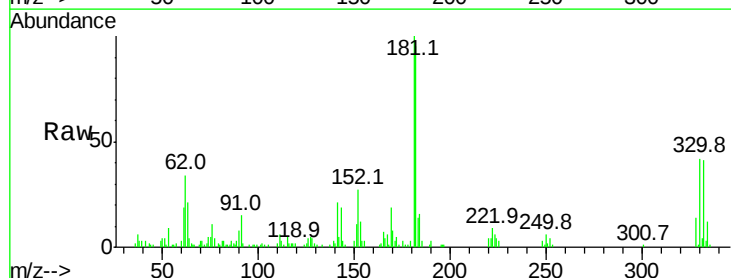


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

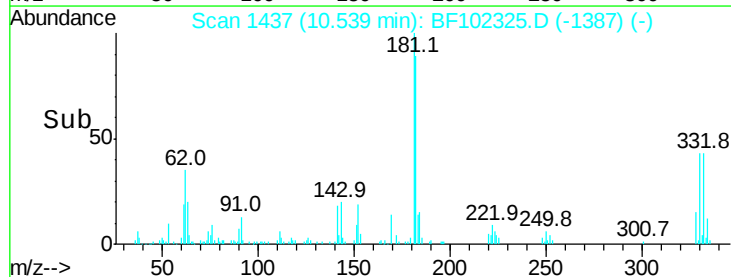
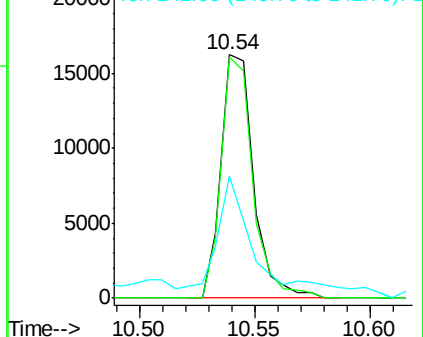


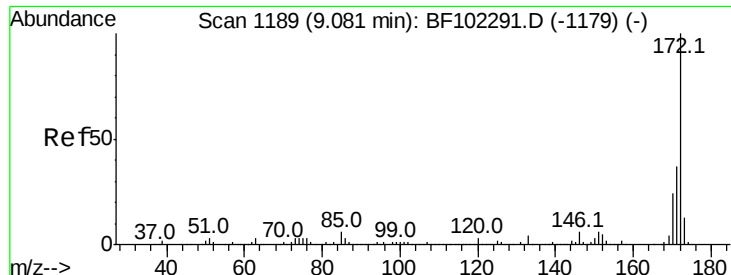
#41
 2,4,6-Tribromophenol
 Concen: 8.653 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102325.D
 Acq: 23 Jan 2018 3:53

Tgt Ion:330 Resp: 15940
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.0 115.6
 141 63.8 29.9 44.9#



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

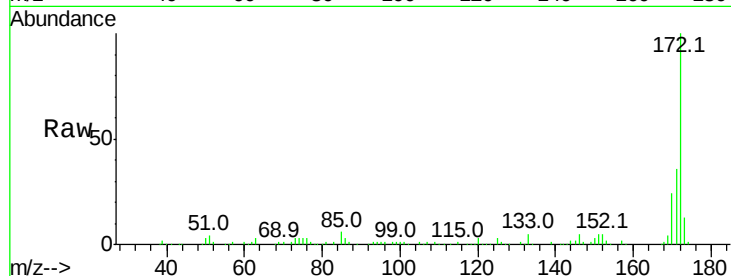




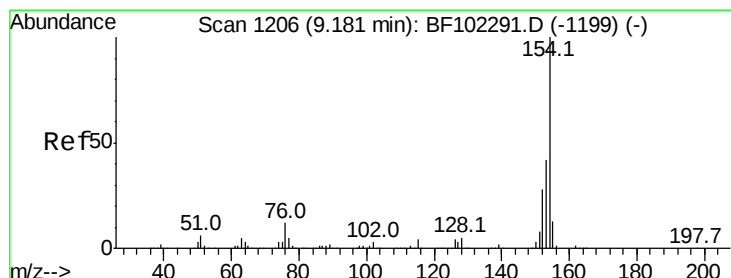
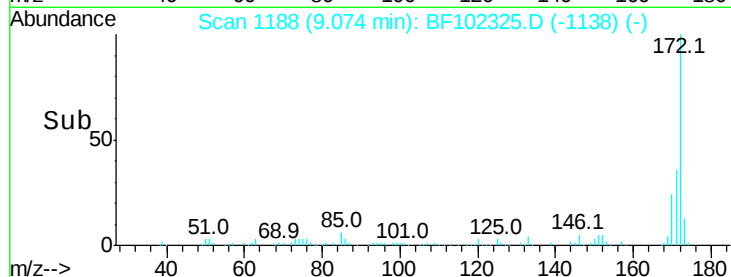
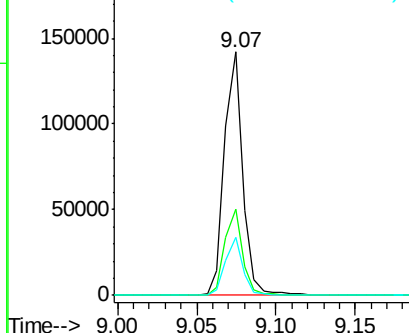
#44
 2-Fluorobiphenyl
 Concen: 9.030 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF102325.D
 Acq: 23 Jan 2018 3:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	23.9	19.6	29.4

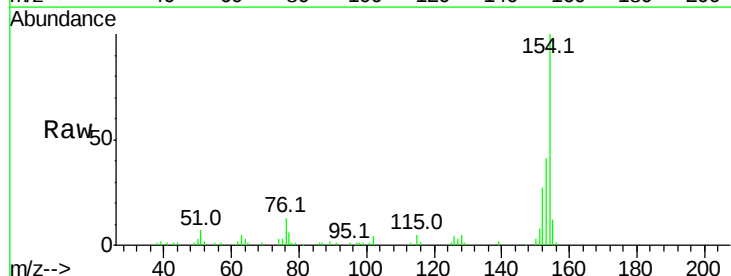


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

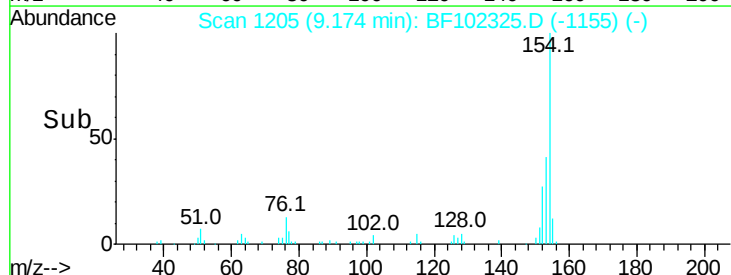
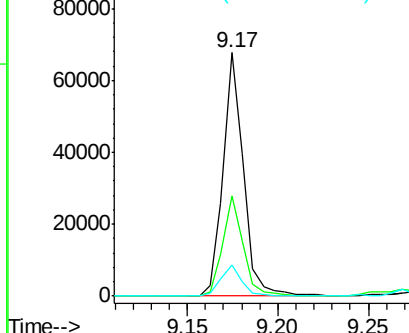


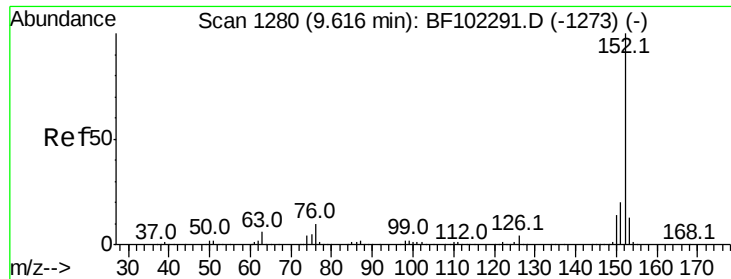
#45
 1,1'-Biphenyl
 Concen: 3.200 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: BF102325.D
 Acq: 23 Jan 2018 3:53

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.1	21.3	61.3
76	12.9	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: 5.084 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.00 min

Lab File: BF102325.D

Acq: 23 Jan 2018 3:53

Instrument :

BNA_F

ClientSampled :

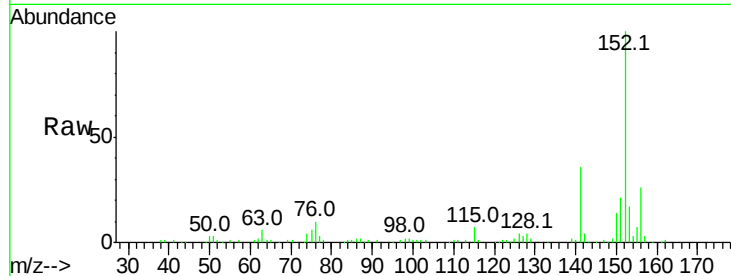
Tot Ion:152 Resp: 102350

Ion Ratio Lower Upper

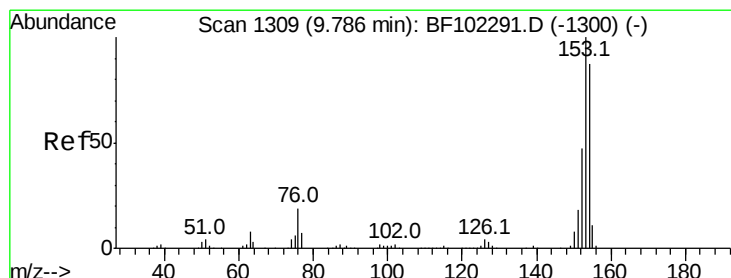
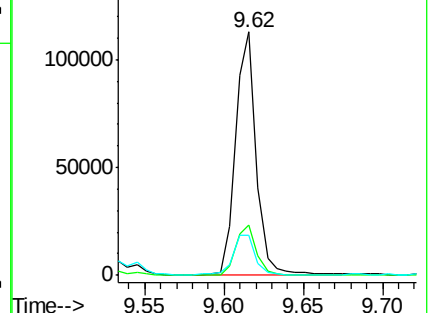
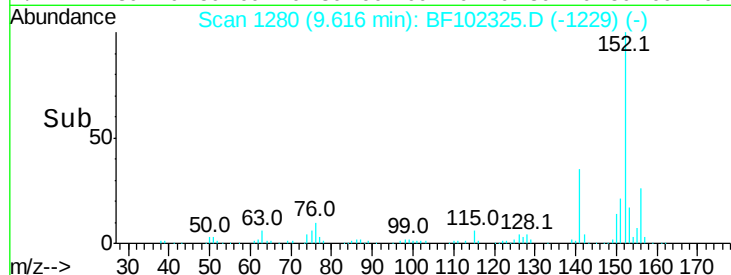
152 100

151 20.8 16.3 24.5

153 16.7 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



#51

Acenaphthene

Concen: 10.353 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.00 min

Lab File: BF102325.D

Acq: 23 Jan 2018 3:53

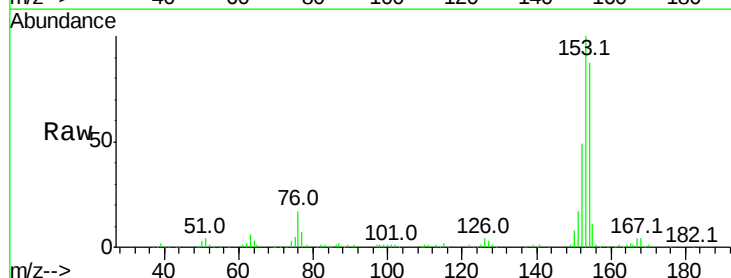
Tgt Ion:154 Resp: 121720

Ion Ratio Lower Upper

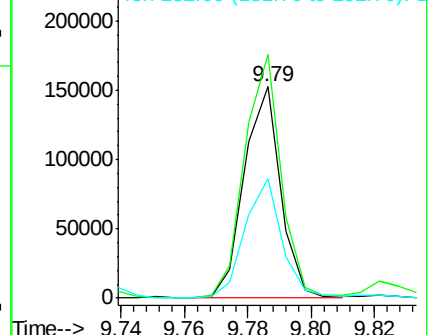
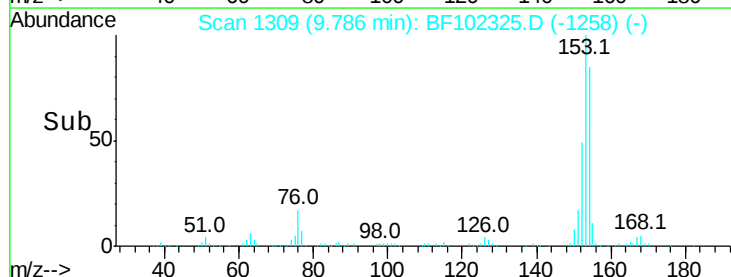
154 100

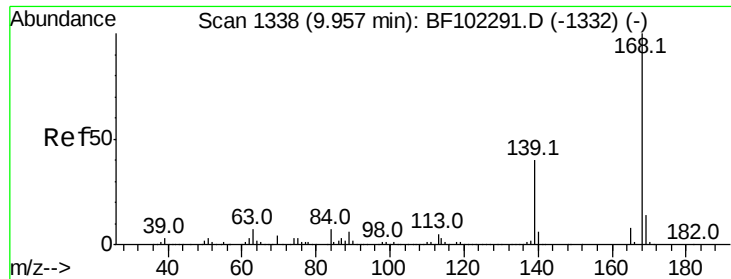
153 115.2 91.2 136.8

152 56.4 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

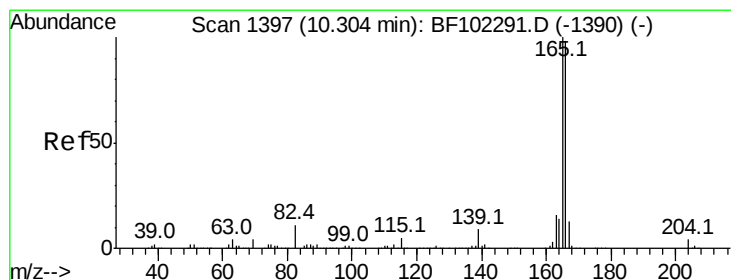
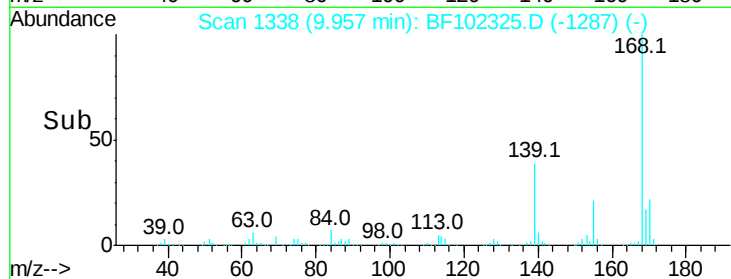
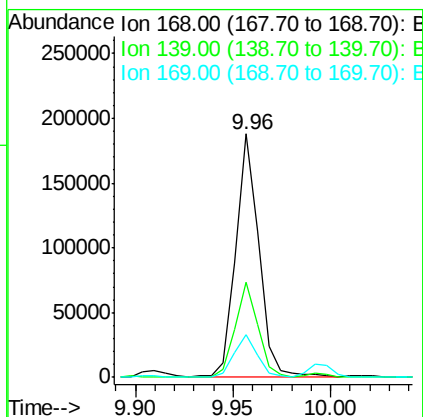
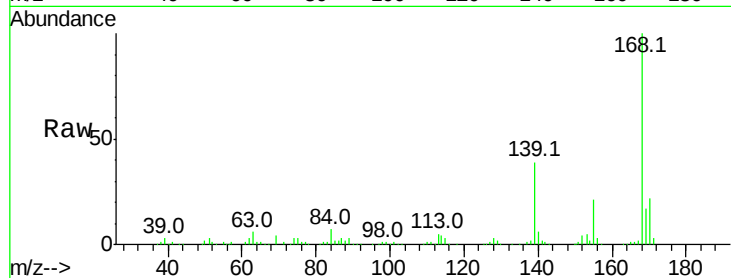




#54
Dibenzenofuran
Concen: 9.638 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.00 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

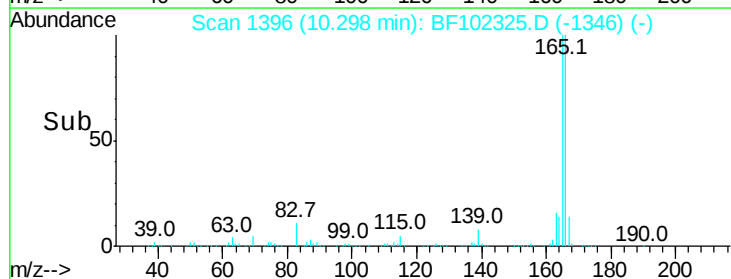
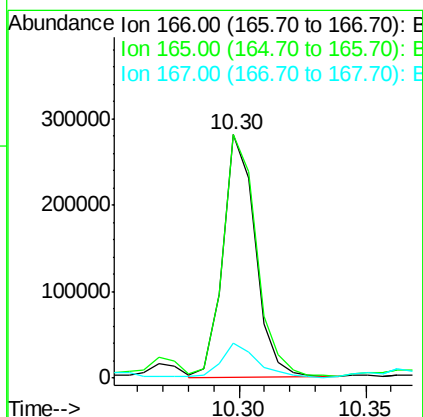
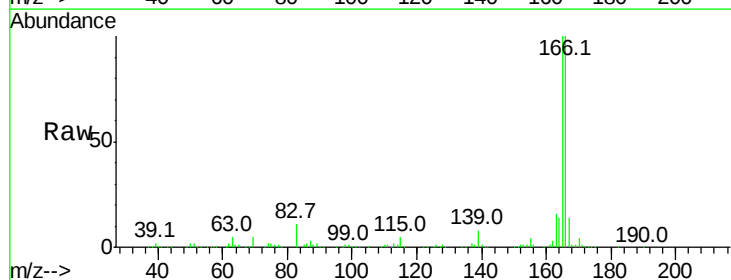
Instrument :
BNA_F
ClientSampleId :

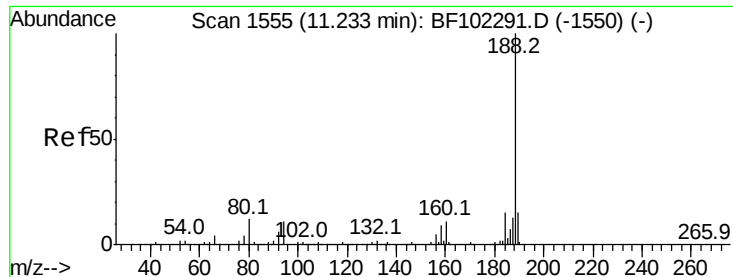
Tot Ion	Ratio	Lower	Upper
168	100		
139	38.9	30.1	45.1
169	17.4	10.9	16.3



#57
Fluorene
Concen: 19.610 ng
RT: 10.30 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.0	79.8	119.8
167	14.5	10.6	16.0

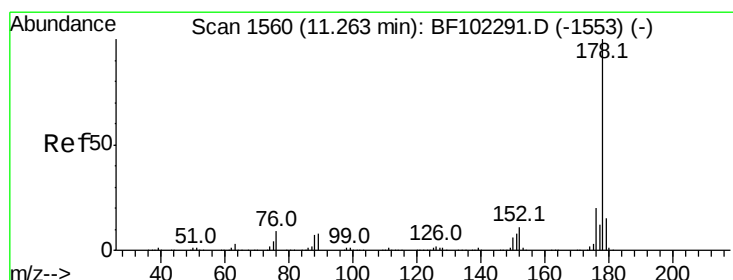
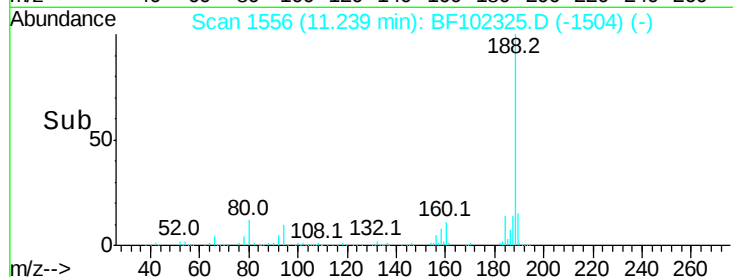
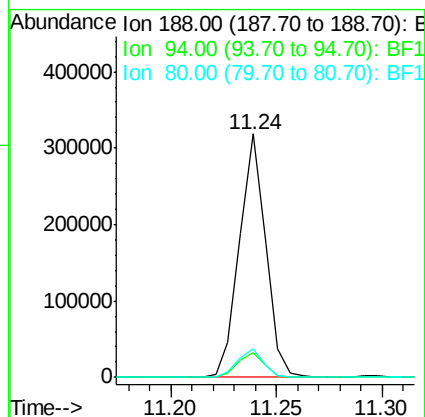
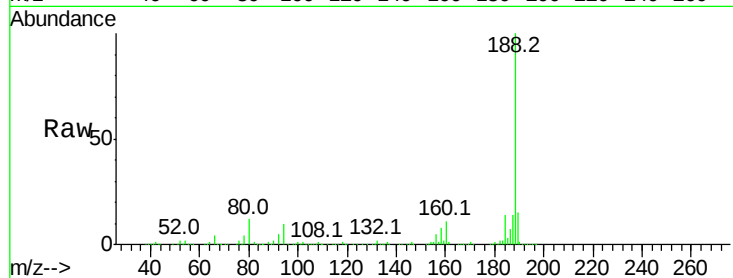




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.01 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

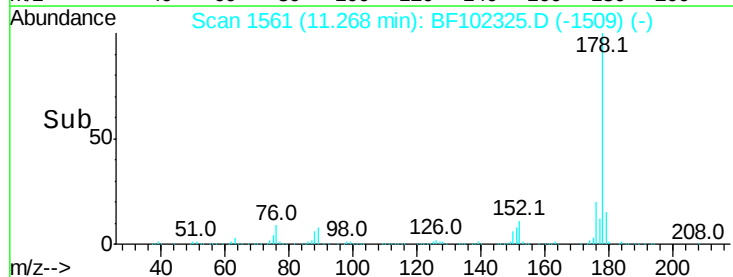
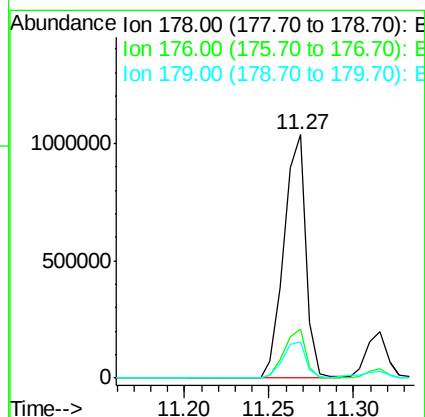
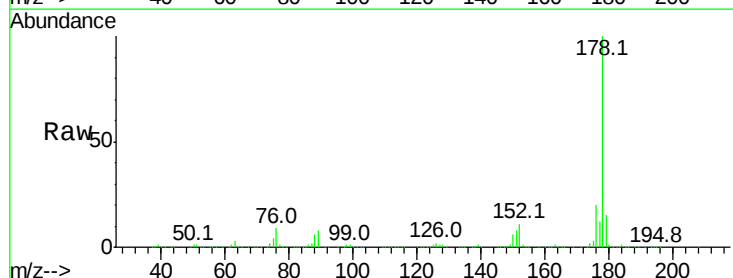
Instrument :
BNA_F
ClientSampleId :

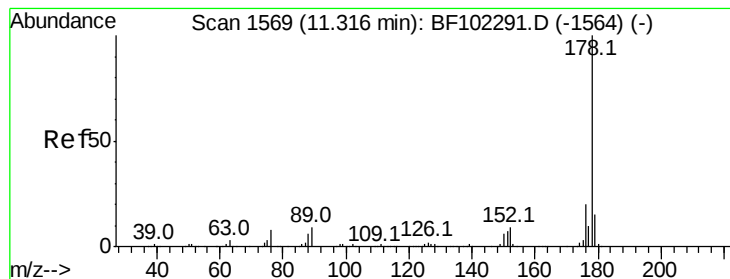
Tot Ion:188 Resp: 275341
Ion Ratio Lower Upper
188 100
94 10.2 8.5 12.7
80 11.7 9.2 13.8



#70
Phenanthrene
Concen: 58.624 ng
RT: 11.27 min Scan# 1561
Delta R.T. 0.01 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Tgt Ion:178 Resp: 940609
Ion Ratio Lower Upper
178 100
176 20.0 15.8 23.8
179 15.1 13.0 19.6





#71

Anthracene

Concen: 9.737 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.00 min

Lab File: BF102325.D

Acq: 23 Jan 2018 3:53

Instrument :

BNA_F

ClientSampleId :

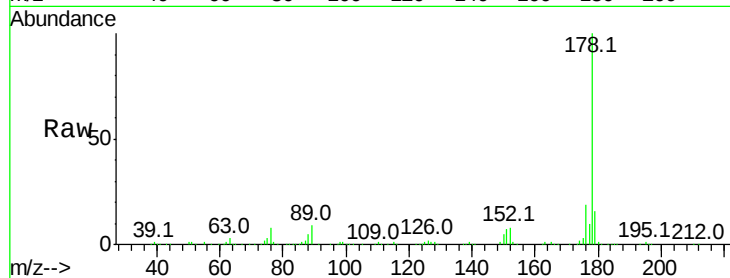
Tot Ion:178 Resp: 159454

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

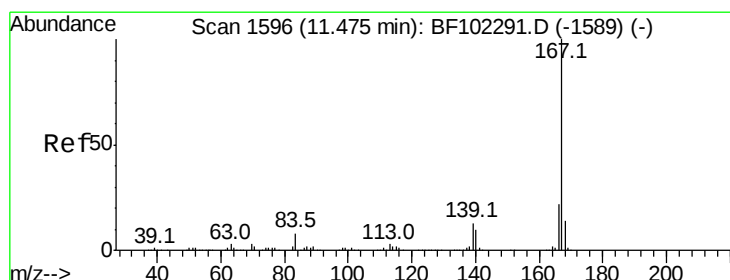
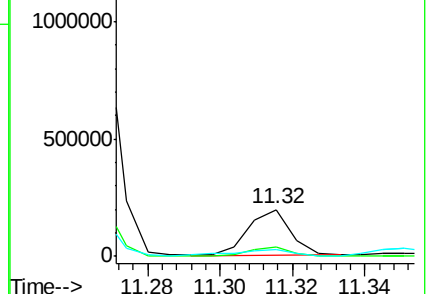
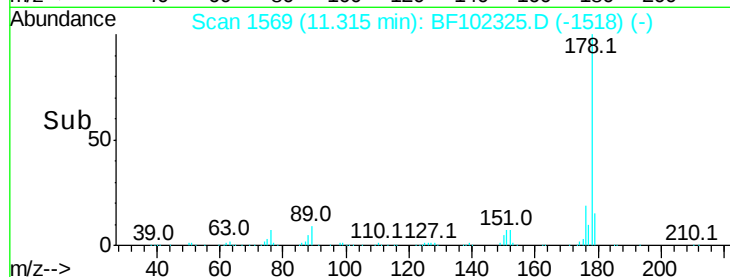
179 15.8 12.6 19.0



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: 2.126 ng

RT: 11.47 min Scan# 1596

Delta R.T. -0.00 min

Lab File: BF102325.D

Acq: 23 Jan 2018 3:53

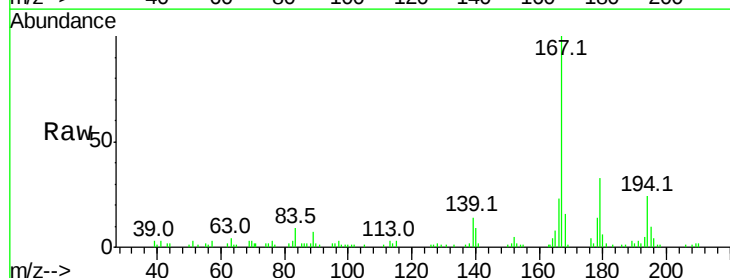
Tgt Ion:167 Resp: 33972

Ion Ratio Lower Upper

167 100

166 23.3 17.6 26.4

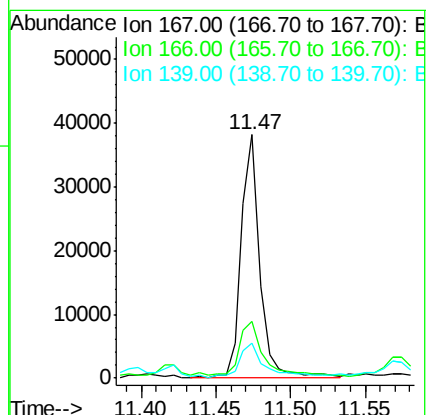
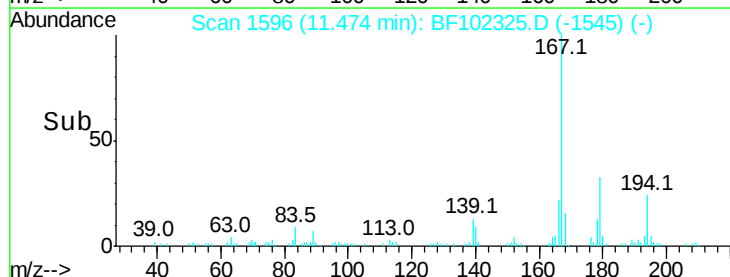
139 14.5 10.9 16.3

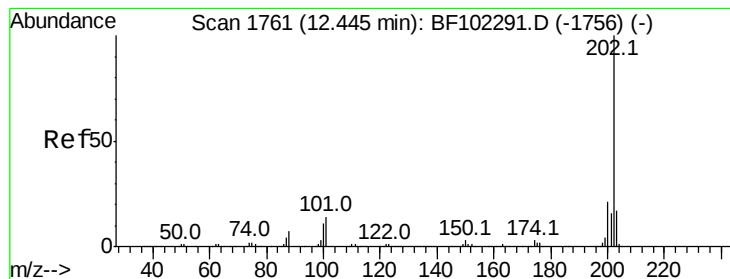


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 30.244 ng

RT: 12.45 min Scan# 1762

Delta R.T. 0.01 min

Lab File: BF102325.D

Acq: 23 Jan 2018 3:53

Instrument :

BNA_F

ClientSampleId :

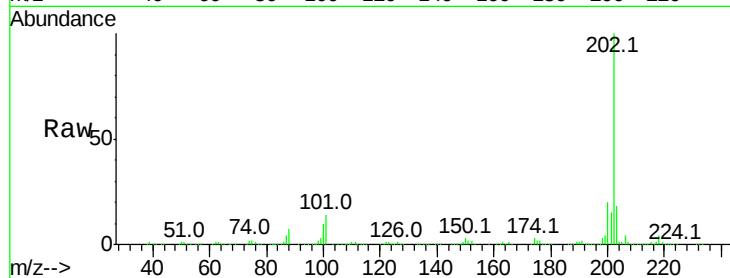
Tot Ion:202 Resp: 494844

Ion Ratio Lower Upper

202 100

101 14.3 0.0 34.1

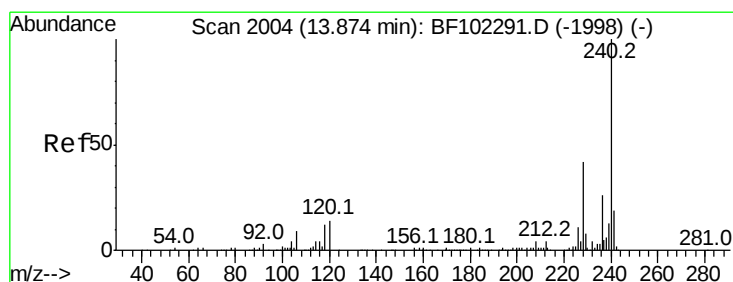
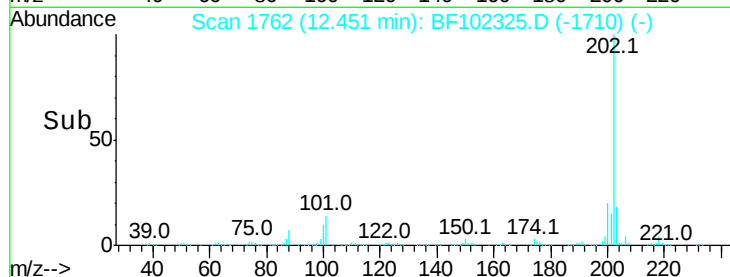
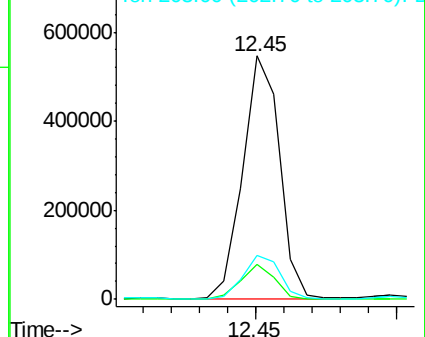
203 18.0 0.0 38.1



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: 13.88 min Scan# 2005

Delta R.T. 0.01 min

Lab File: BF102325.D

Acq: 23 Jan 2018 3:53

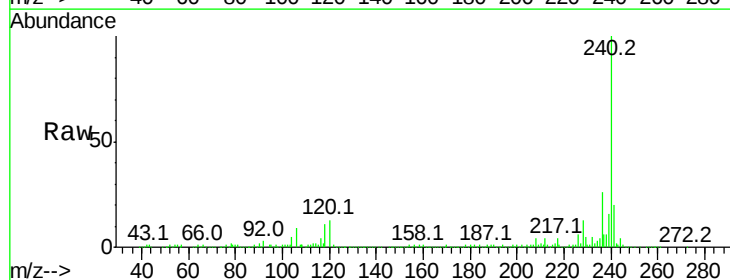
Tgt Ion:240 Resp: 232155

Ion Ratio Lower Upper

240 100

120 13.5 9.5 14.3

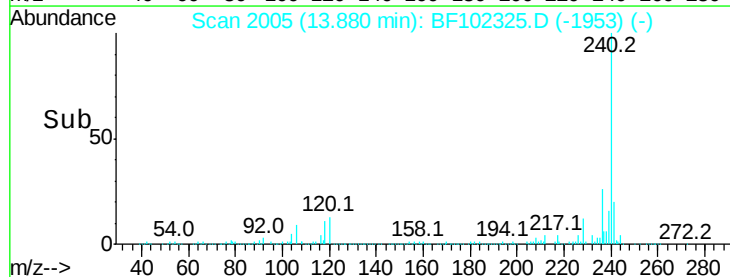
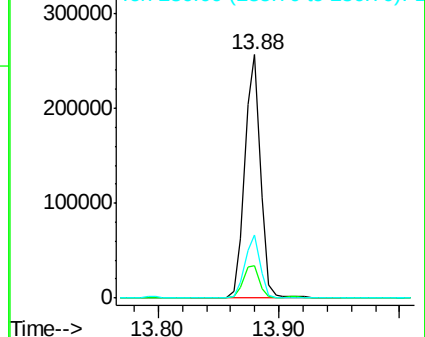
236 25.9 20.7 31.1

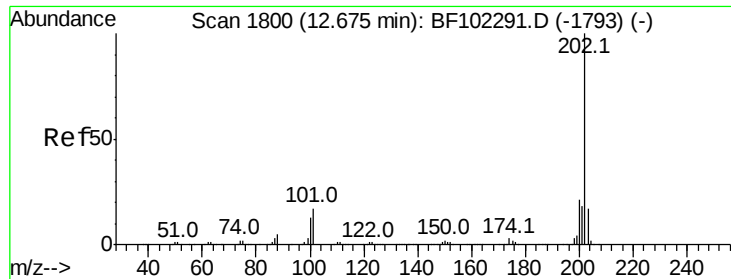


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 32.830 ng

RT: 12.68 min Scan# 1801

Delta R.T. 0.01 min

Lab File: BF102325.D

Acq: 23 Jan 2018 3:53

Instrument :

BNA_F

ClientSampleId :

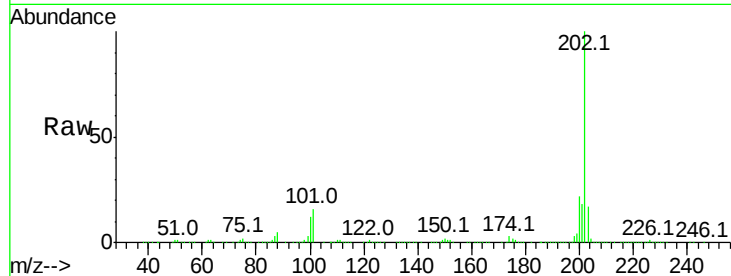
Tot Ion:202 Resp: 589282

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

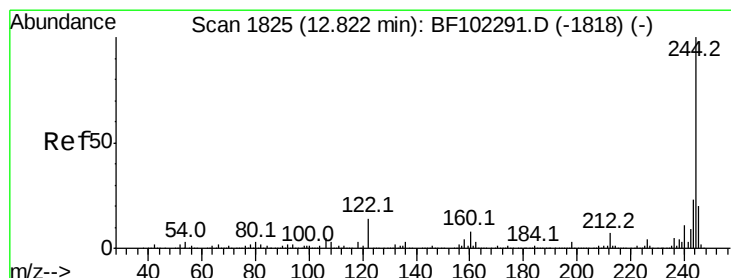
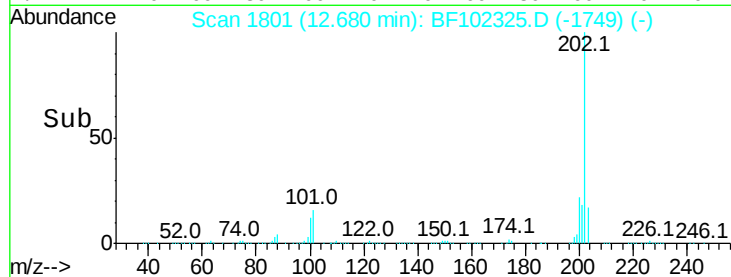
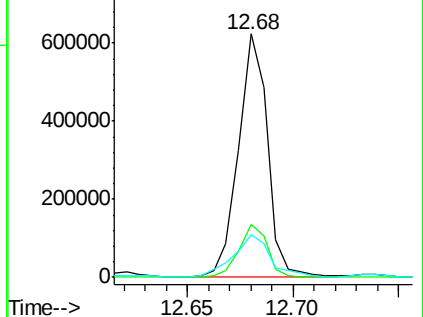
203 17.3 14.3 21.5



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: 8.032 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF102325.D

Acq: 23 Jan 2018 3:53

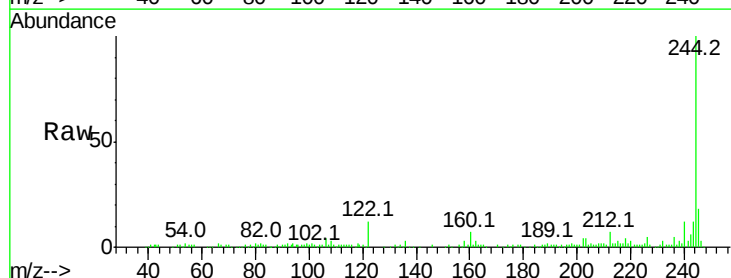
Tgt Ion:244 Resp: 82711

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

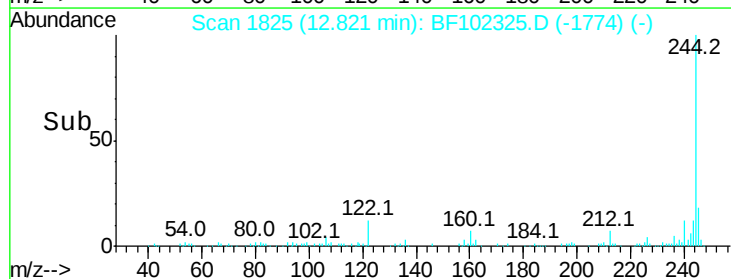
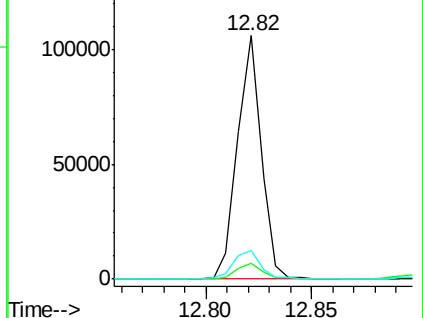
122 11.7 11.0 16.4

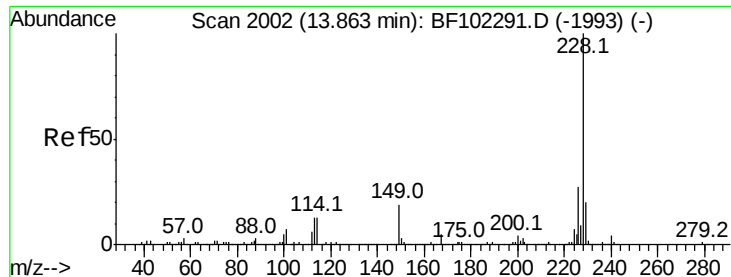


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 14.143 ng

RT: 13.90 min Scan# 2009

Delta R.T. 0.04 min

Lab File: BF102325.D

Acq: 23 Jan 2018 3:53

Instrument :

BNA_F

ClientSampleId :

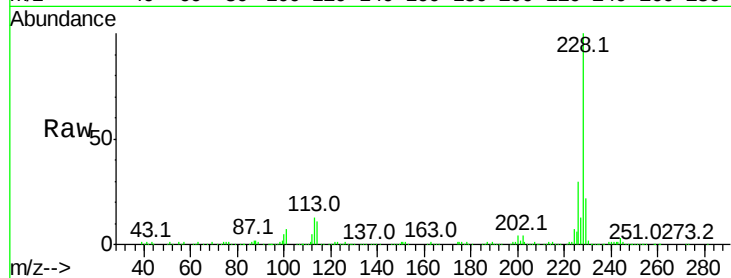
Tot Ion:228 Resp: 202147

Ion Ratio Lower Upper

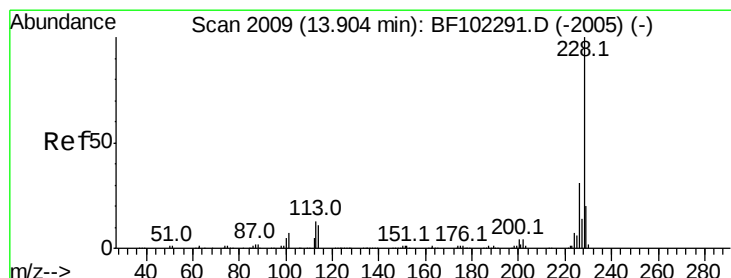
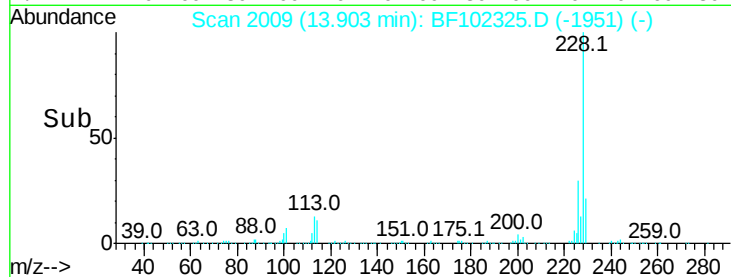
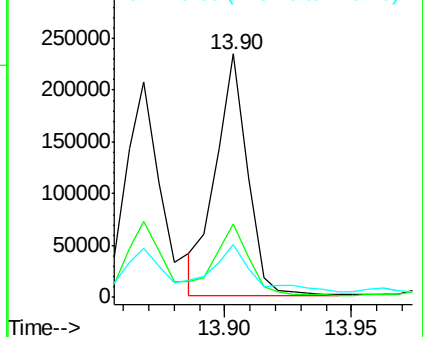
228 100

226 30.2 22.6 33.8

229 21.9 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: 13.927 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.00 min

Lab File: BF102325.D

Acq: 23 Jan 2018 3:53

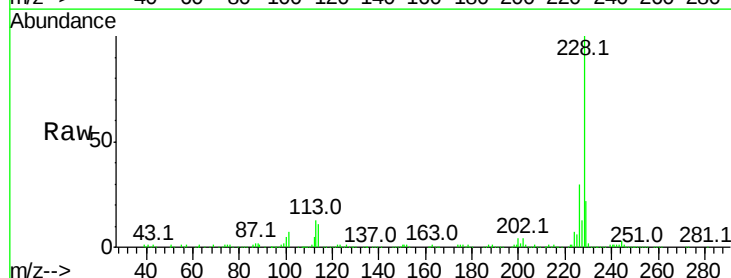
Tgt Ion:228 Resp: 202147

Ion Ratio Lower Upper

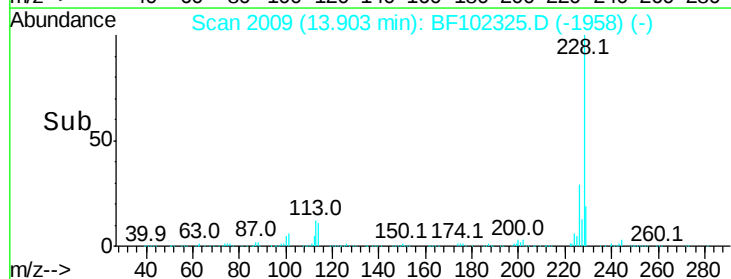
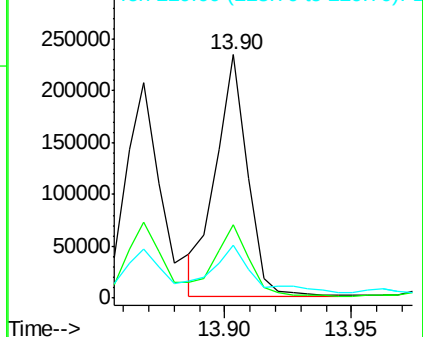
228 100

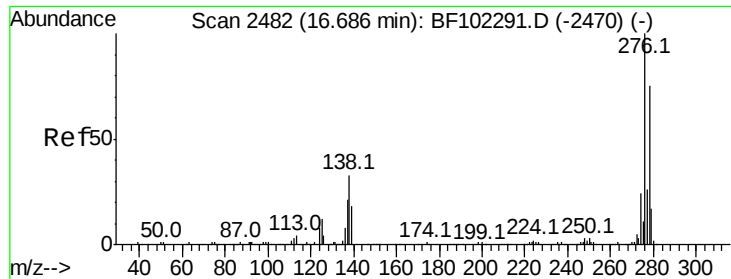
226 30.2 25.0 37.6

229 21.9 16.2 24.4



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

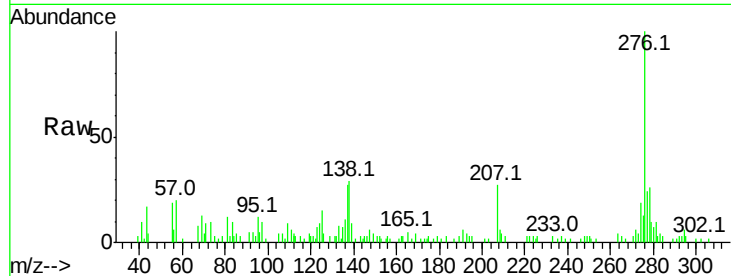




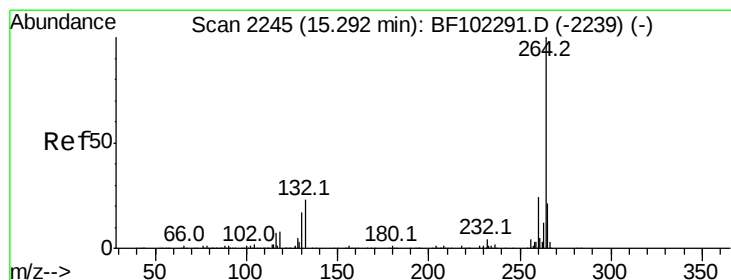
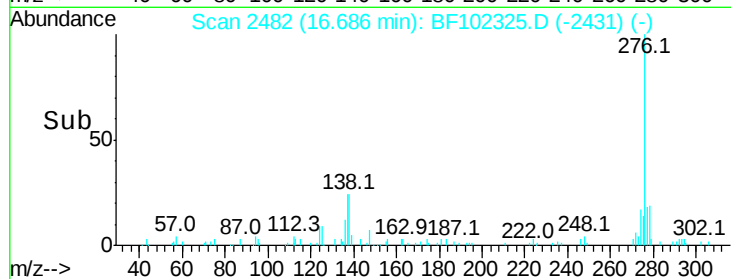
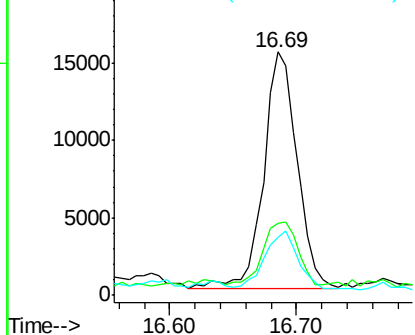
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.349 ng
 RT: 16.69 min Scan# 2482
 Delta R.T. -0.00 min
 Lab File: BF102325.D
 Acq: 23 Jan 2018 3:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.9	25.0	37.6
277	24.5	20.1	30.1

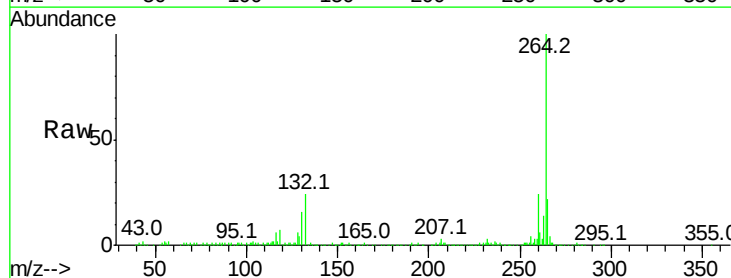


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

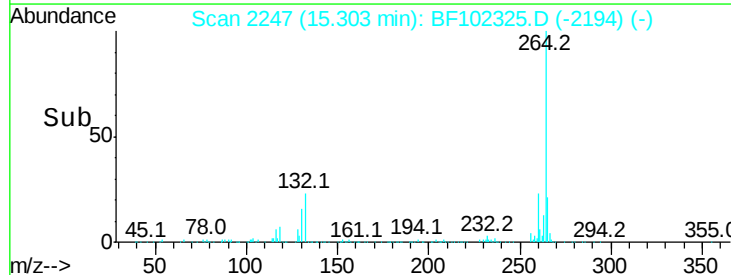
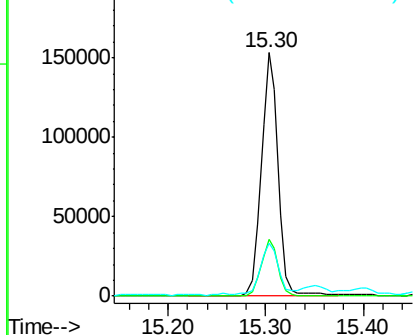


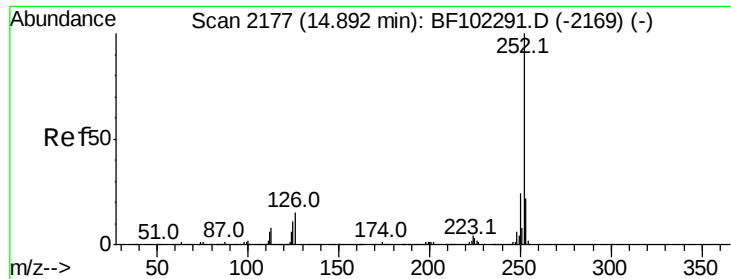
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2247
 Delta R.T. 0.01 min
 Lab File: BF102325.D
 Acq: 23 Jan 2018 3:53

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.9	17.5	26.3



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





#87

Benzo(b)fluoranthene

Concen: 10.260 ng

RT: 14.90 min Scan# 2178

Delta R.T. 0.01 min

Lab File: BF102325.D

Acq: 23 Jan 2018 3:53

Instrument :

BNA_F

ClientSampleId :

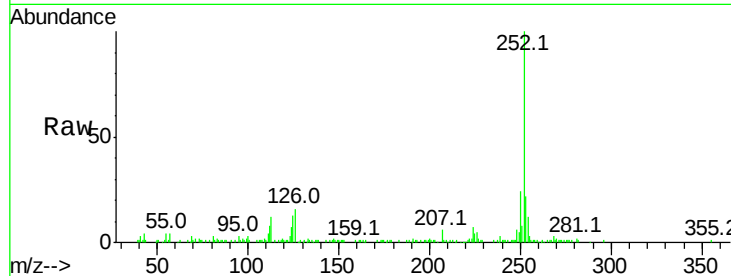
Tot Ion:252 Resp: 125042

Ion Ratio Lower Upper

252 100

253 21.6 17.0 25.6

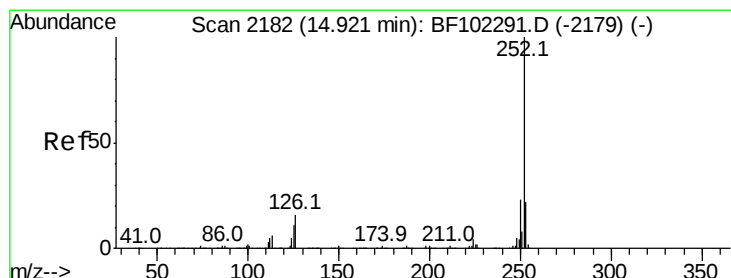
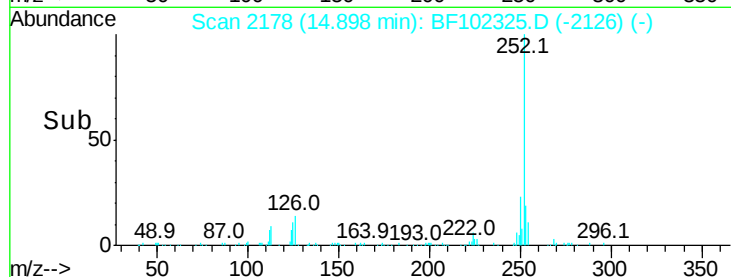
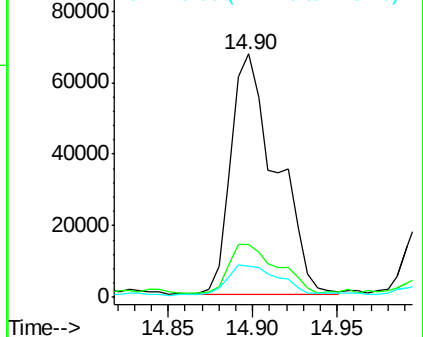
125 12.8 9.0 13.6



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



#88

Benzo(k)fluoranthene

Concen: 10.860 ng

RT: 14.90 min Scan# 2178

Delta R.T. -0.02 min

Lab File: BF102325.D

Acq: 23 Jan 2018 3:53

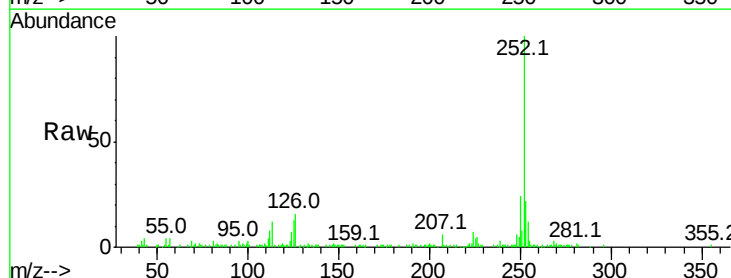
Tgt Ion:252 Resp: 125042

Ion Ratio Lower Upper

252 100

253 21.6 17.9 26.9

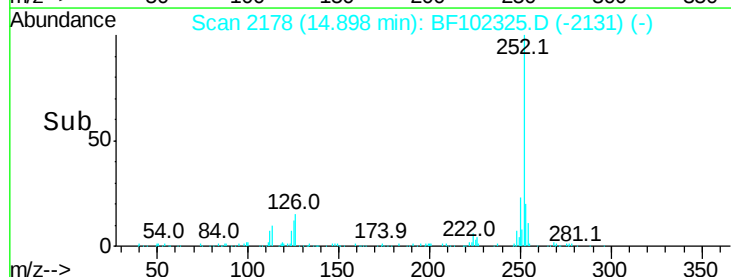
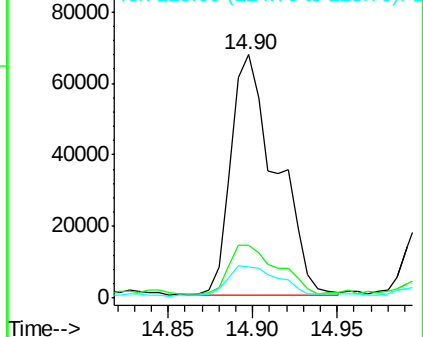
125 12.8 10.2 15.2

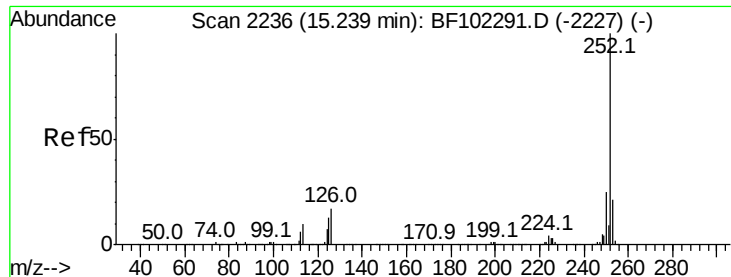


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 7.082 ng

RT: 15.24 min Scan# 2237

Delta R.T. 0.01 min

Lab File: BF102325.D

Acq: 23 Jan 2018 3:53

Instrument :

BNA_F

ClientSampleId :

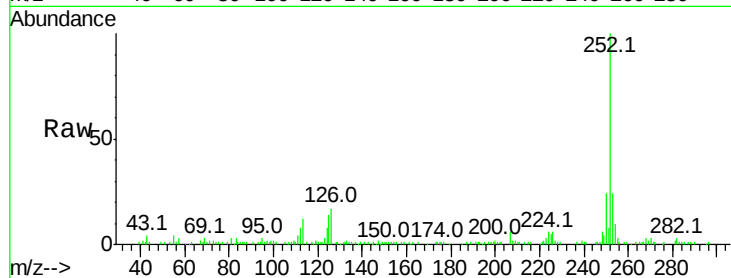
Tot Ion:252 Resp: 77838

Ion Ratio Lower Upper

252 100

253 23.9 17.1 25.7

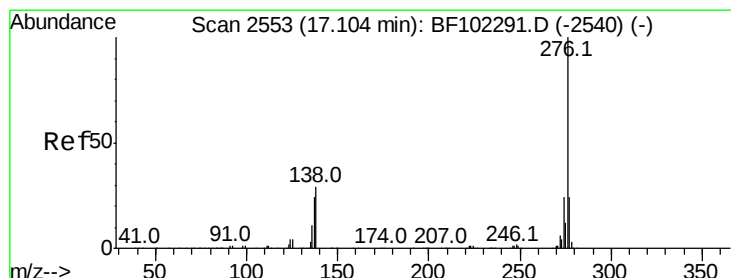
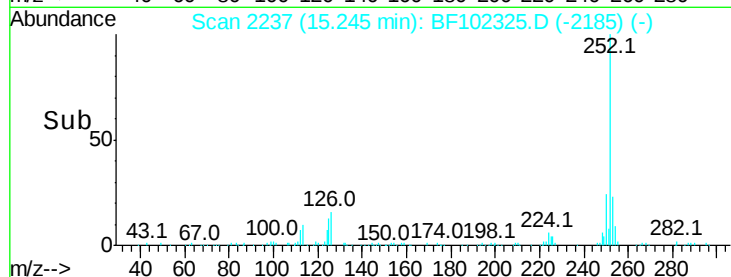
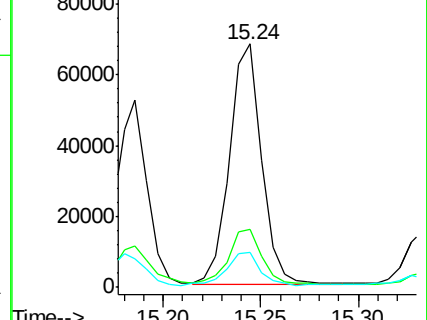
125 14.5 9.8 14.6



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



#91

Benzo(g,h,i)perylene

Concen: 3.624 ng

RT: 17.11 min Scan# 2554

Delta R.T. 0.01 min

Lab File: BF102325.D

Acq: 23 Jan 2018 3:53

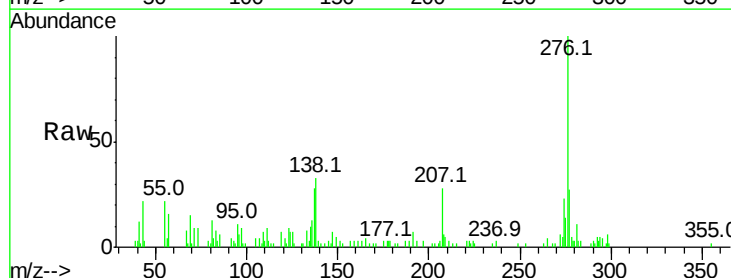
Tgt Ion:276 Resp: 31859

Ion Ratio Lower Upper

276 100

277 26.9 17.9 26.9

138 32.9 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

