

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042518\
 Data File : BF104812.D
 Acq On : 26 Apr 2018 2:59
 Operator : JU/SJ
 Sample : J2497-08 20X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 26 08:23:00 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 25 14:01:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	93145	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	363993	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	157260	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	217327	20.00	ng	0.00
75) Chrysene-d12	13.99	240	167894	20.00	ng	0.00
86) Perylene-d12	15.45	264	132216	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	6372	1.05	ng	0.00
7) Phenol-d6	6.44	99	7934	1.06	ng	0.00
23) Nitrobenzene-d5	7.36	82	4168	0.75	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	1265	0.78	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	10922	1.10	ng	0.00
78) Terphenyl-d14	12.92	244	9465	1.29	ng	0.00

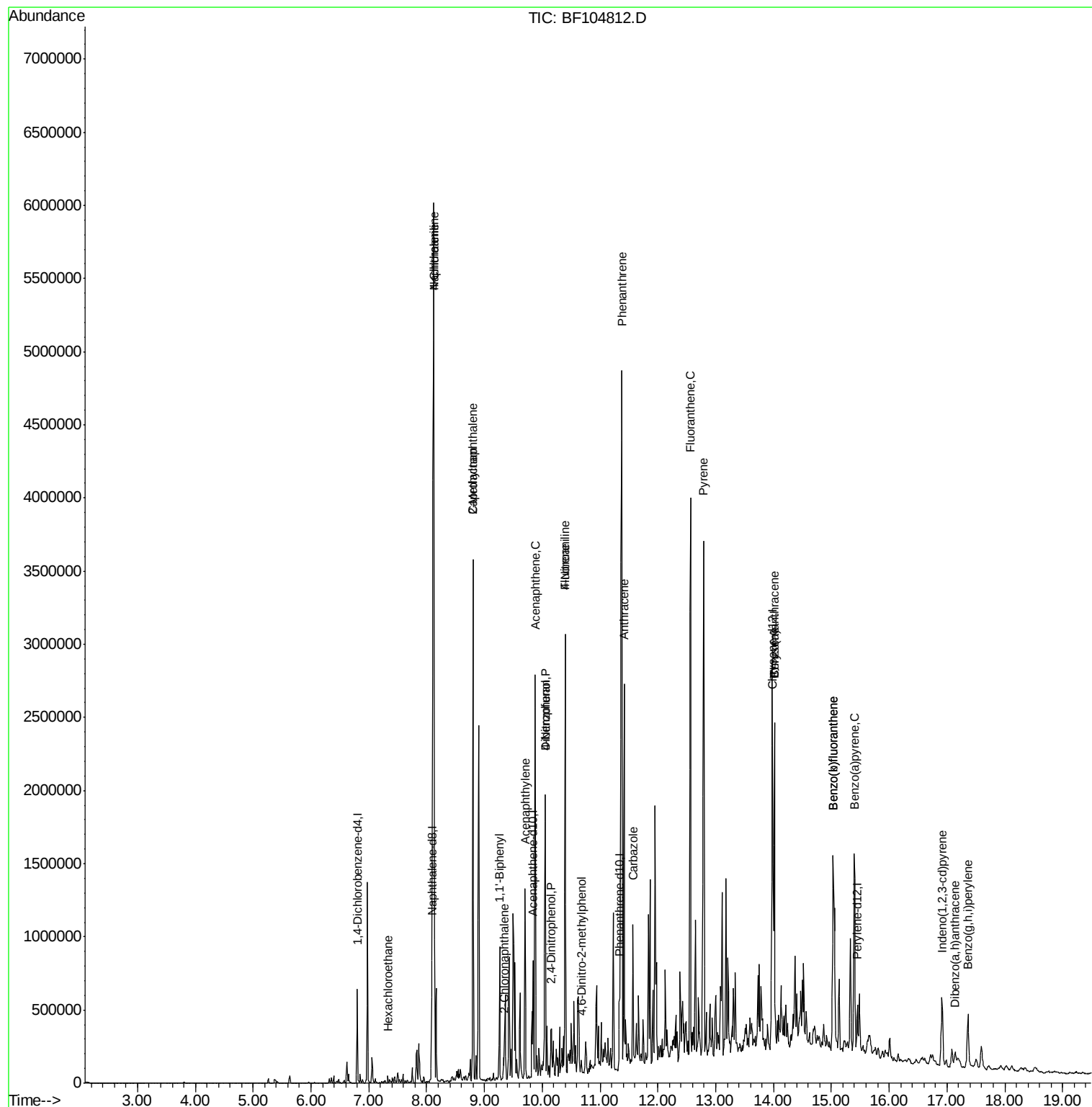
Target Compounds				Qvalue		
9) Benzaldehyde	6.35	77	1672	Below Cal	#	1
18) Hexachloroethane	7.33	117	5498	2.124	ng	# 1
31) Naphthalene	8.13	128	4432551	244.556	ng	98
33) 4-Chloroaniline	8.13	127	628507	80.941	ng	# 35
35) Caprolactam	8.80	113	22181	12.809	ng	# 1
37) 2-Methylnaphthalene	8.80	142	930033	79.327	ng	96
45) 1,1'-Biphenyl	9.26	154	290267	21.972	ng	97
46) 2-Chloronaphthalene	9.33	162	21270	2.038	ng	# 47
48) Acenaphthylene	9.70	152	436864	26.683	ng	99
51) Acenaphthene	9.88	154	599879	60.053	ng	99
53) 2,4-Dinitrophenol	10.16	184	248	5.521	ng	# 1
54) Dibenzofuran	10.05	168	721531	51.830	ng	99
55) 4-Nitrophenol	10.05	139	285452	135.269	ng	# 10
57) Fluorene	10.40	166	888693	87.705	ng	100
61) 4-Nitroaniline	10.39	138	10749	4.092	ng	# 25
64) 4,6-Dinitro-2-methylphenol	10.67	198	435	7.695	ng	# 1
70) Phenanthrene	11.37	178	2619549	216.442	ng	99
71) Anthracene	11.42	178	972678	79.062	ng	100
72) Carbazole	11.57	167	326659	27.172	ng	99
74) Fluoranthene	12.56	202	1981163	156.675	ng	99
76) Benzidine	12.65	184	1051	Below Cal	#	1
77) Pyrene	12.79	202	1881491	151.186	ng	99
80) Benzo(a)anthracene	14.02	228	807181	80.475	ng	95
82) Chrysene	14.02	228	807181	78.348	ng	98
85) Indeno(1,2,3-cd)pyrene	16.92	276	309968	35.417	ng	# 89
87) Benzo(b)fluoranthene	15.03	252	1152136	137.972	ng	97
88) Benzo(k)fluoranthene	15.03	252	1152136	146.142	ng	99
89) Benzo(a)pyrene	15.40	252	646581	86.538	ng	97
90) Dibenzo(a,h)anthracene	17.14	278	49626	8.087	ng	93
91) Benzo(g,h,i)perylene	17.36	276	291532	49.036	ng	95

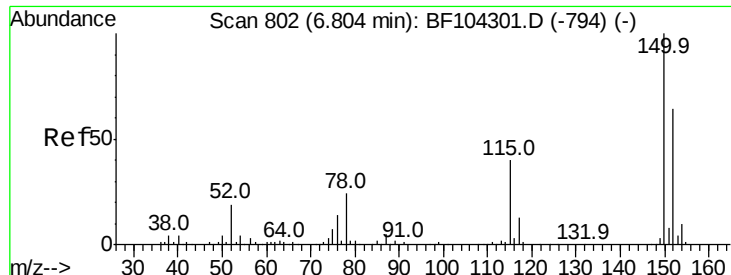
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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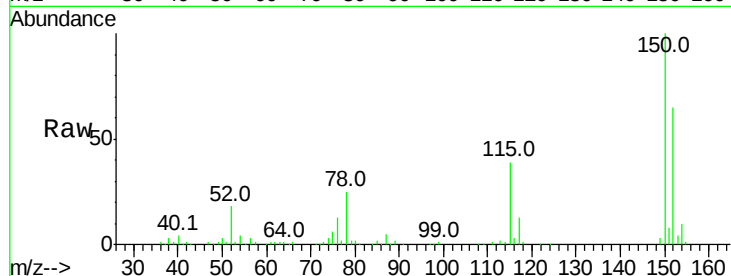


#1

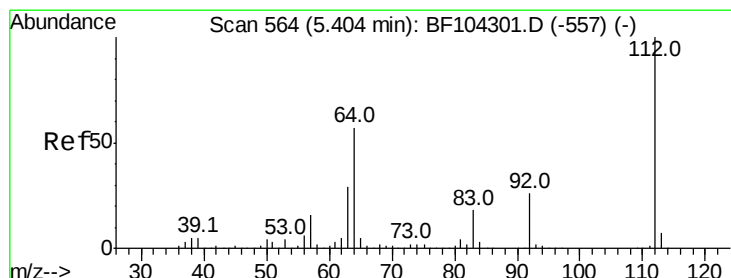
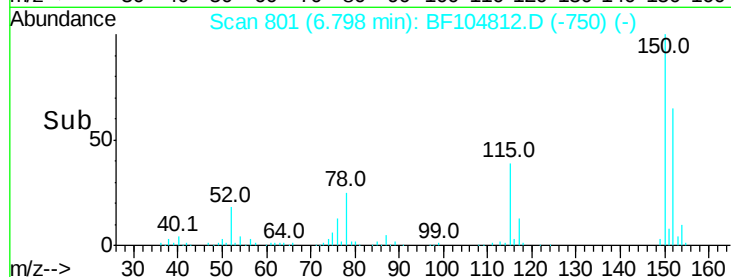
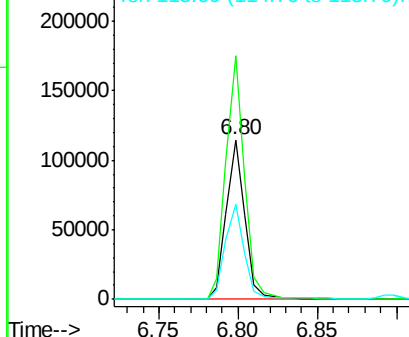
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104812.D
Acq: 26 Apr 2018 2:59

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 93145
Ion Ratio Lower Upper
152 100
150 152.7 124.6 186.8
115 59.5 50.1 75.1



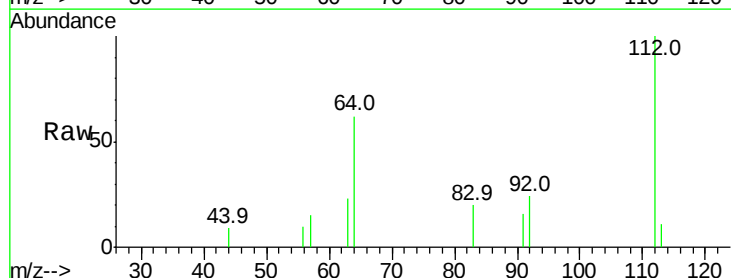
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



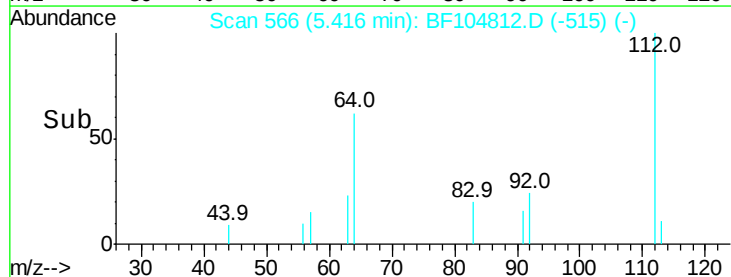
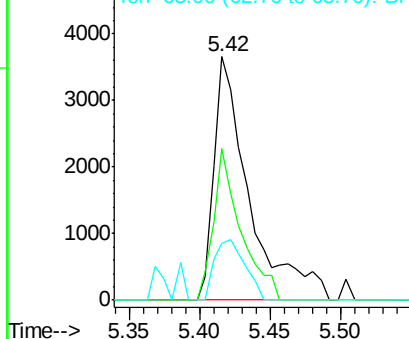
#5

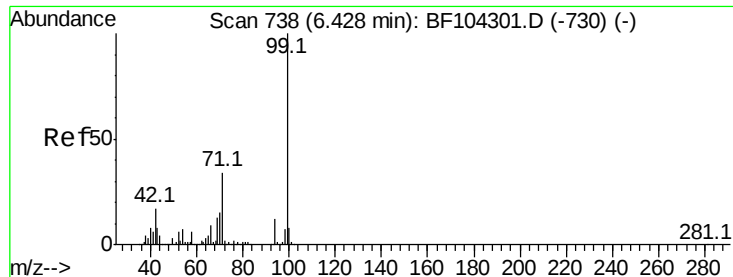
2-Fluorophenol
Concen: 1.046 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF104812.D
Acq: 26 Apr 2018 2:59

Tgt Ion:112 Resp: 6372
Ion Ratio Lower Upper
112 100
64 62.1 47.9 71.9
63 23.3 23.7 35.5#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 1.060 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104812.D

Acq: 26 Apr 2018 2:59

Instrument :

BNA_F

ClientSampleId :

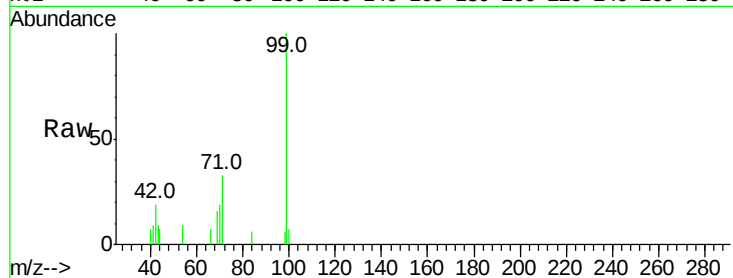
Tot Ion: 99 Resp: 7934

Ion Ratio Lower Upper

99 100

42 19.0 14.5 21.7

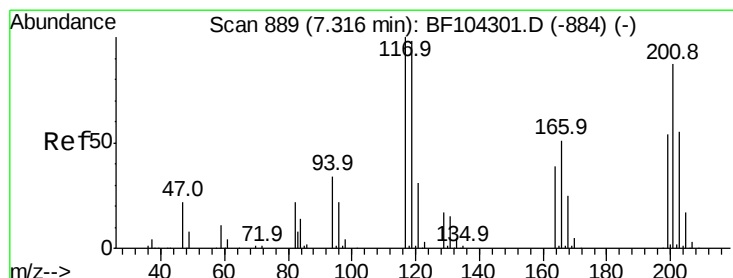
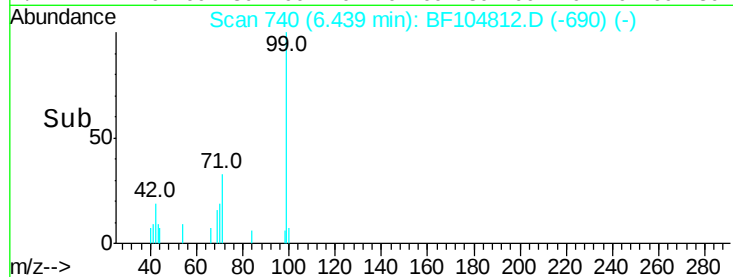
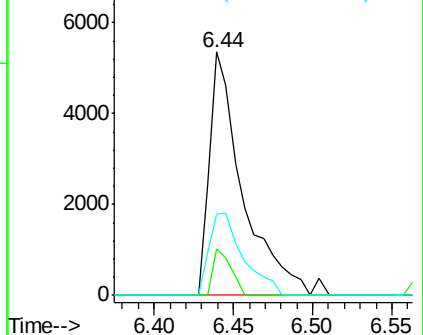
71 33.1 25.4 38.0



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



#18

Hexachloroethane

Concen: 2.124 ng

RT: 7.33 min Scan# 891

Delta R.T. 0.02 min

Lab File: BF104812.D

Acq: 26 Apr 2018 2:59

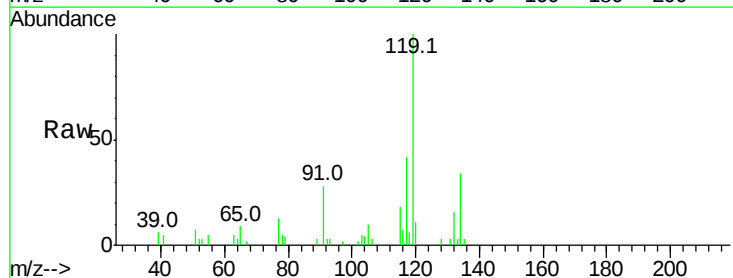
Tgt Ion: 117 Resp: 5498

Ion Ratio Lower Upper

117 100

119 240.4 75.8 113.8#

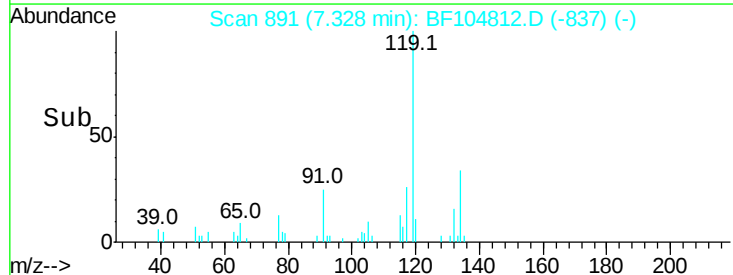
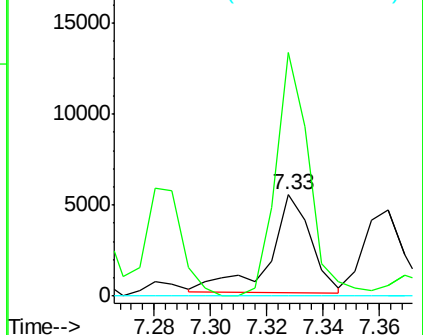
201 0.0 75.7 113.5#

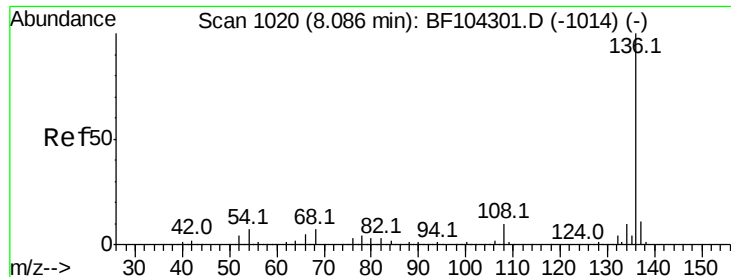


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

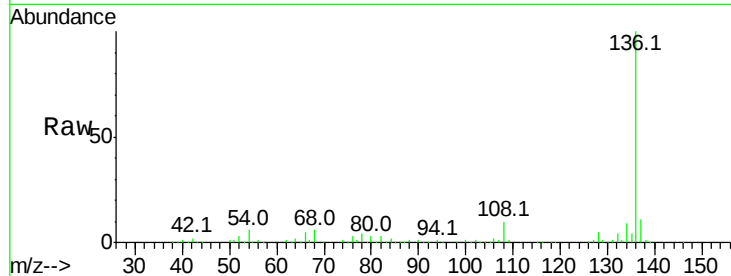




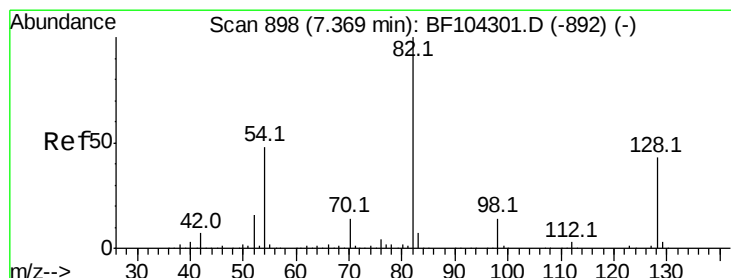
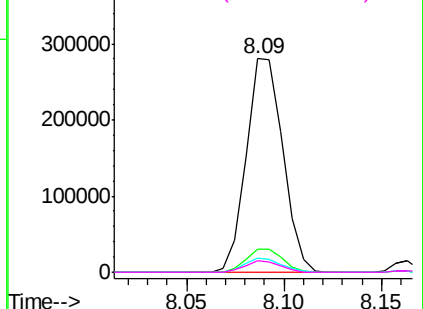
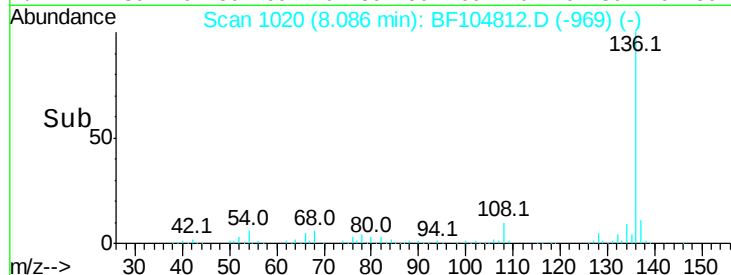
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF104812.D
Acq: 26 Apr 2018 2:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	363993
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.4	6.6	9.8#
68	5.6	5.0	7.4

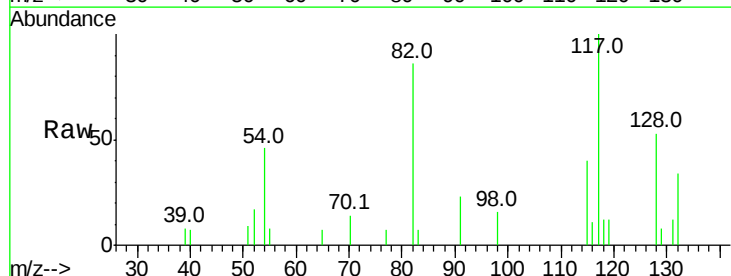


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

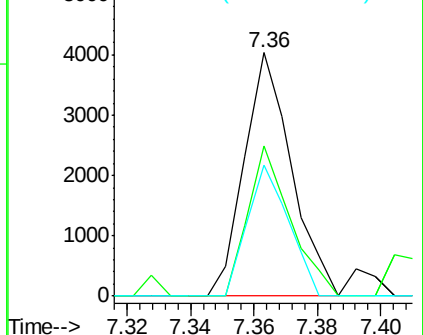
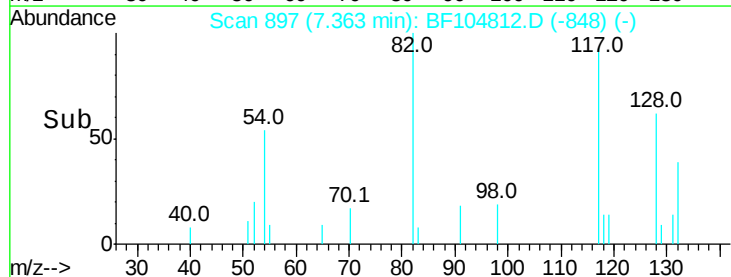


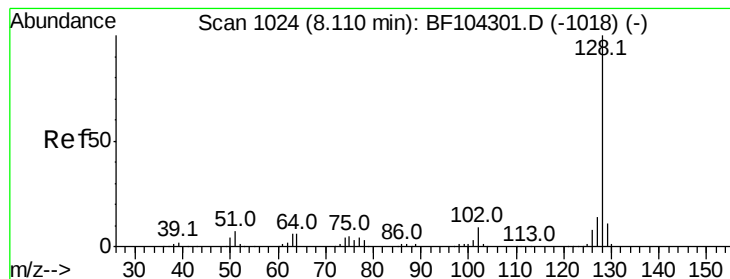
#23
Nitrobenzene-d5
Concen: 0.748 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF104812.D
Acq: 26 Apr 2018 2:59

Tgt Ion:	82	Resp:	4168
Ion	Ratio	Lower	Upper
82	100		
128	61.6	36.1	54.1#
54	53.7	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: 244.556 ng

RT: 8.13 min Scan# 1027

Delta R.T. 0.02 min

Lab File: BF104812.D

Acq: 26 Apr 2018 2:59

Instrument :

BNA_F

ClientSampleId :

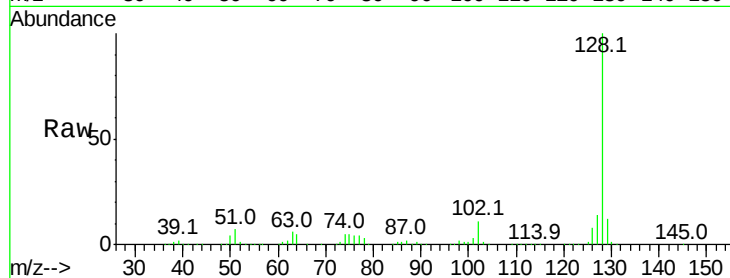
Tot Ion:128 Resp: 4432551

Ion Ratio Lower Upper

128 100

129 11.6 8.8 13.2

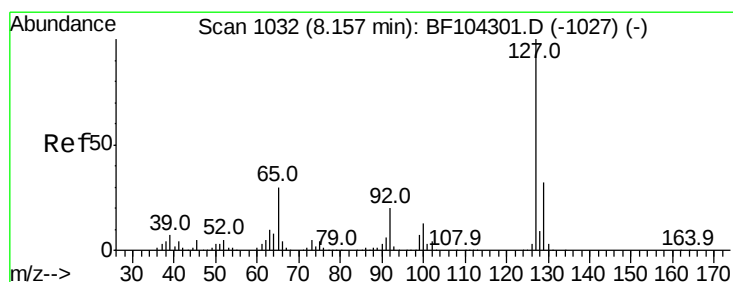
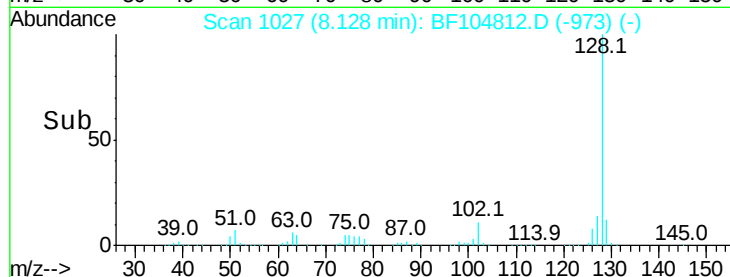
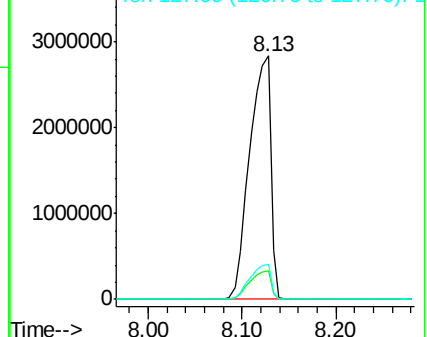
127 14.3 10.9 16.3



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



#33

4-Chloroaniline

Concen: 80.941 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.04 min

Lab File: BF104812.D

Acq: 26 Apr 2018 2:59

Tgt Ion:127 Resp: 628507

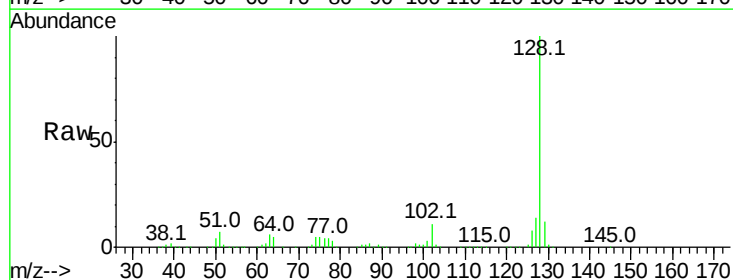
Ion Ratio Lower Upper

127 100

129 81.3 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

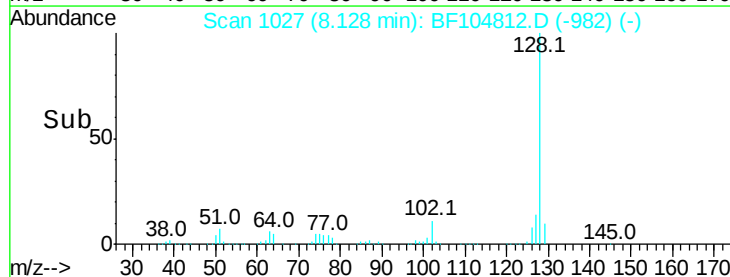
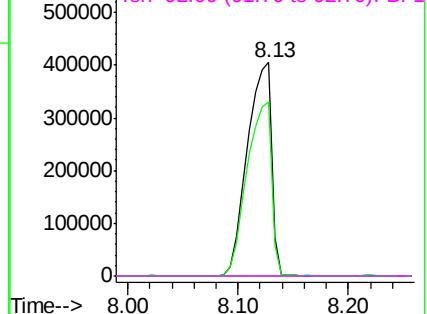


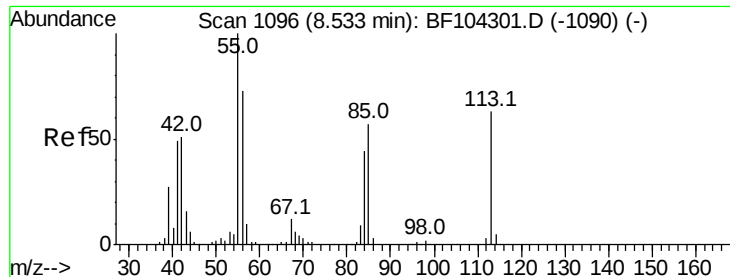
Abundance Ion 127.00 (126.70 to 127.70): E

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

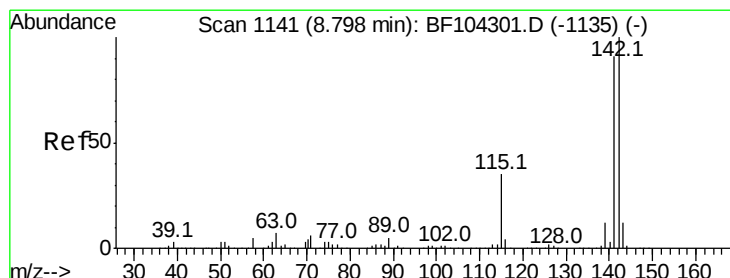
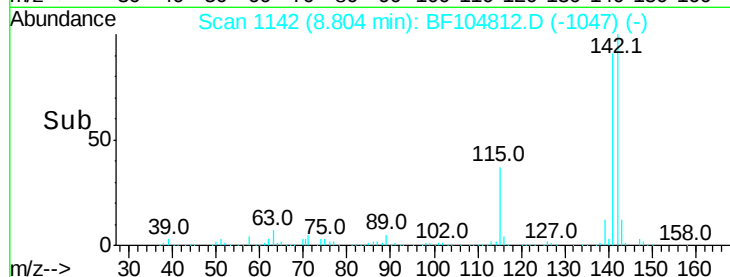
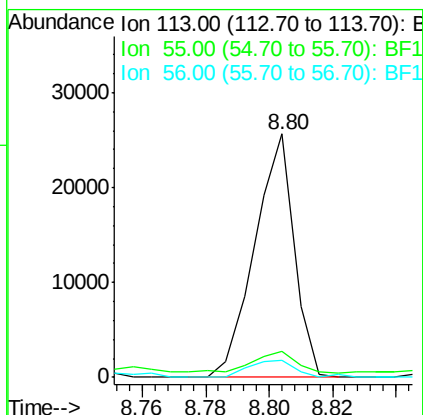
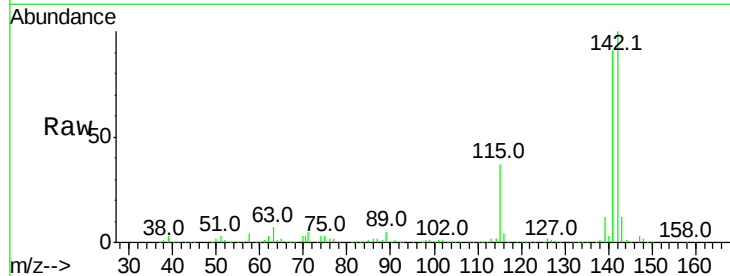




#35
Caprolactam
Concen: 12.809 ng
RT: 8.80 min Scan# 1142
Delta R.T. 0.26 min
Lab File: BF104812.D
Acq: 26 Apr 2018 2:59

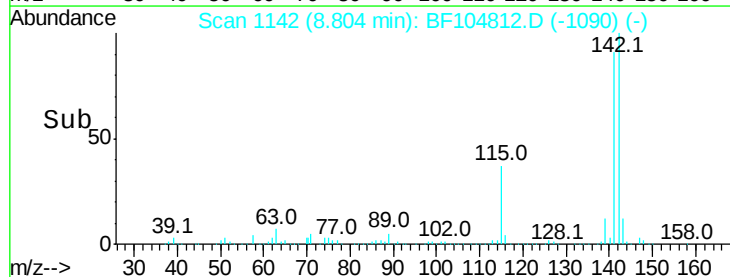
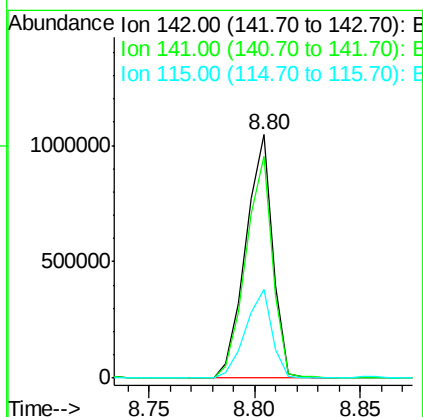
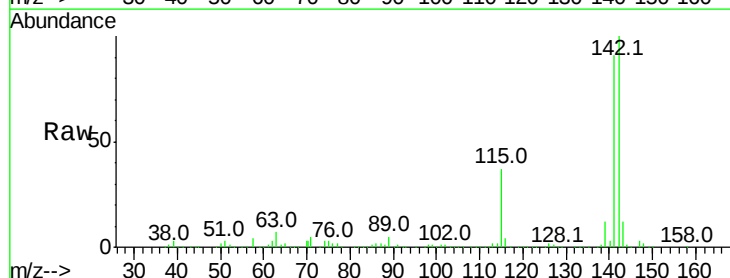
Instrument :
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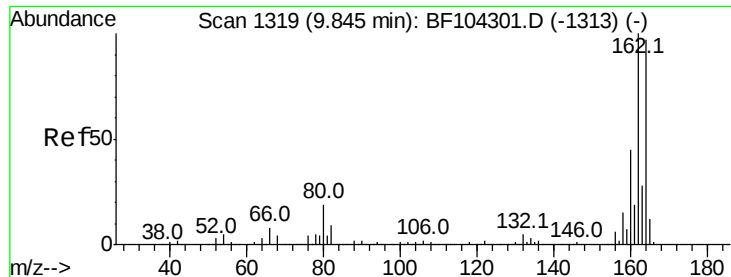
Tot Ion:113 Resp: 22181
Ion Ratio Lower Upper
113 100
55 10.8 163.3 203.3#
56 6.9 115.7 155.7#



#37
2-Methylnaphthalene
Concen: 79.327 ng
RT: 8.80 min Scan# 1142
Delta R.T. 0.01 min
Lab File: BF104812.D
Acq: 26 Apr 2018 2:59

Tgt Ion:142 Resp: 930033
Ion Ratio Lower Upper
142 100
141 91.0 70.8 106.2
115 36.6 26.1 39.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF104812.D

Acq: 26 Apr 2018 2:59

Instrument :

BNA_F

ClientSampleId :

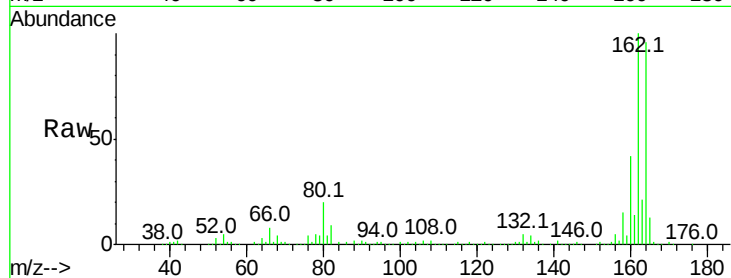
Tot Ion:164 Resp: 157260

Ion Ratio Lower Upper

164 100

162 104.7 86.1 129.1

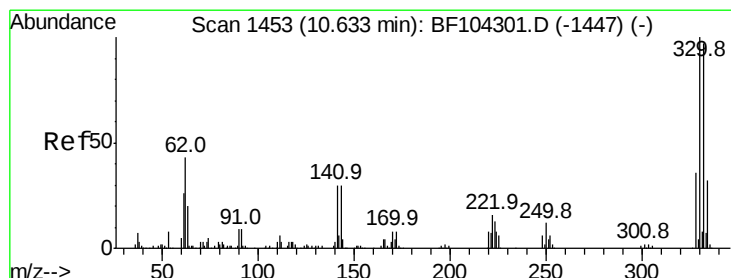
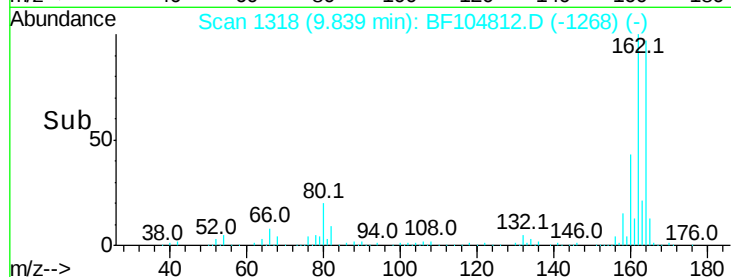
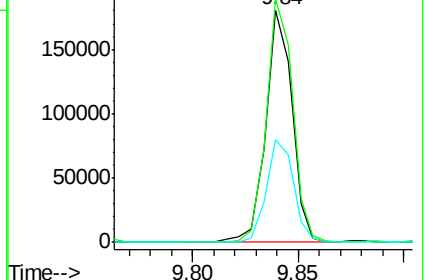
160 44.5 38.3 57.5



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: 0.775 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.00 min

Lab File: BF104812.D

Acq: 26 Apr 2018 2:59

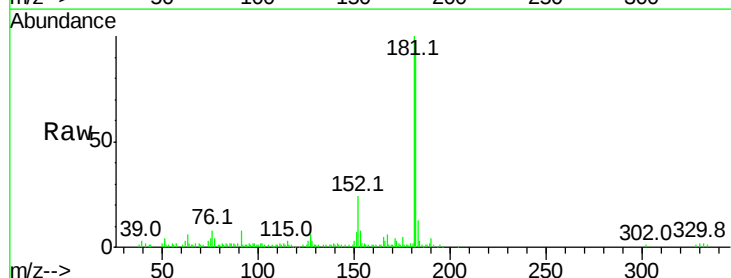
Tgt Ion:330 Resp: 1265

Ion Ratio Lower Upper

330 100

332 91.9 77.0 115.6

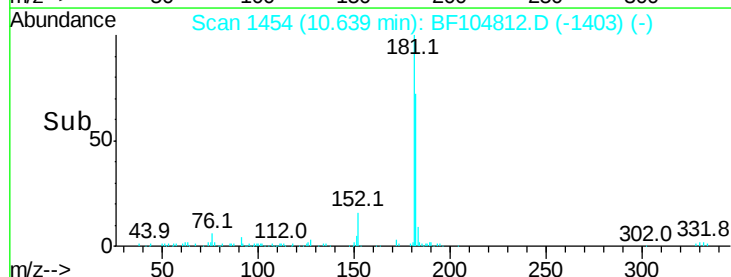
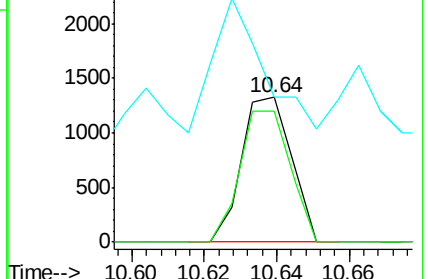
141 102.9 29.9 44.9#

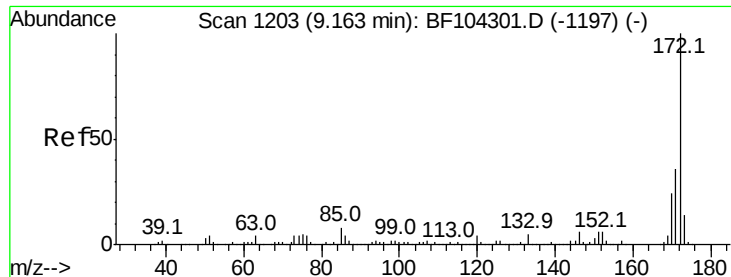


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

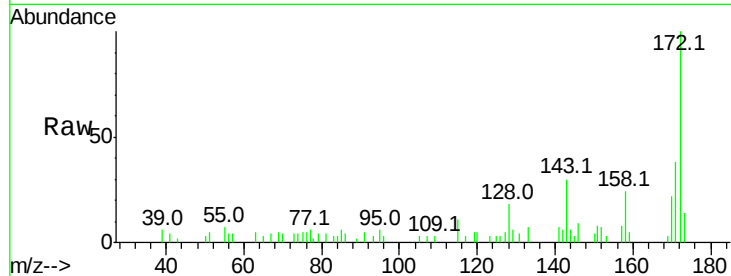




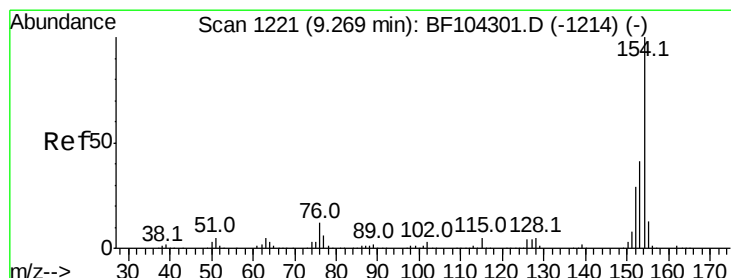
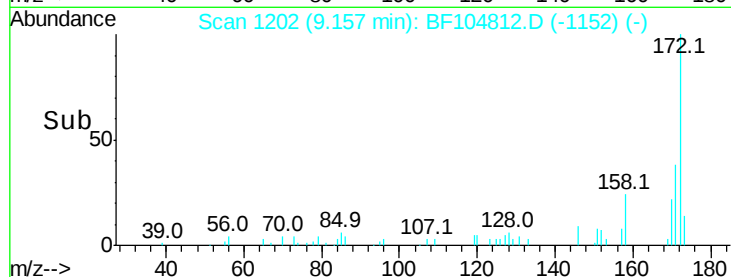
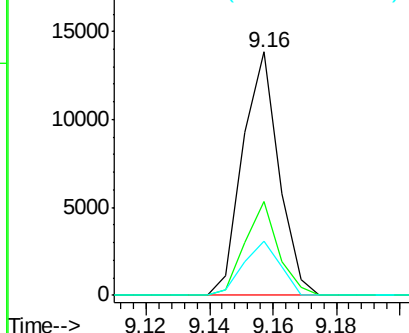
#44
 2-Fluorobiphenyl
 Concen: 1.097 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104812.D
 Acq: 26 Apr 2018 2:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.4	29.7	44.5
170	22.2	19.6	29.4

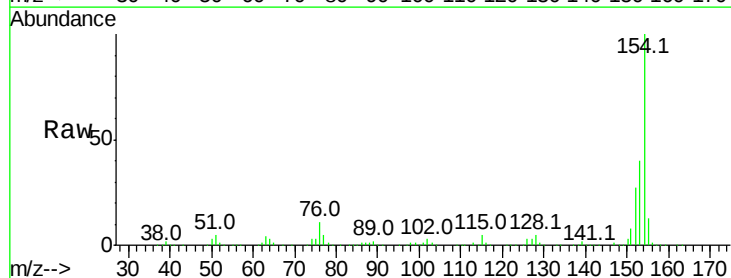


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

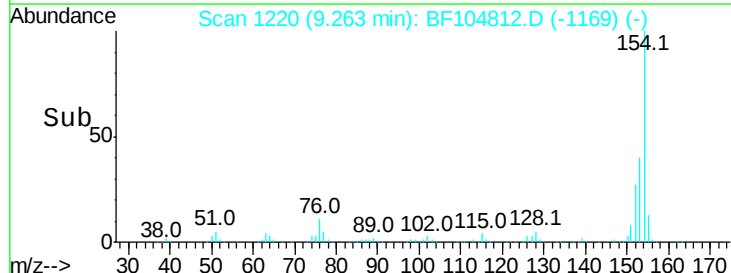
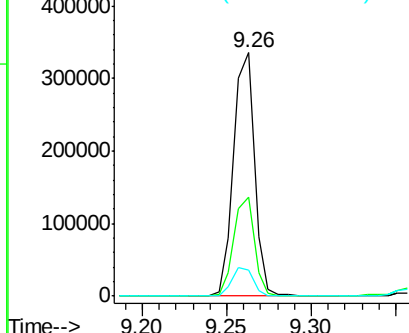


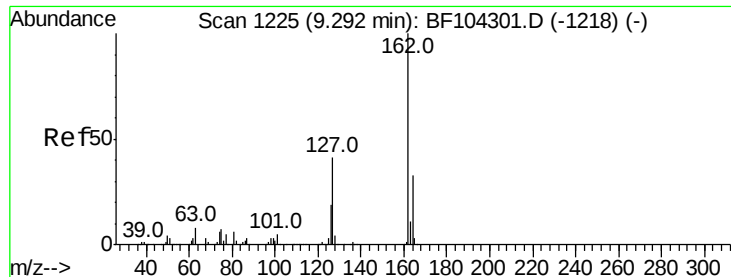
#45
 1,1'-Biphenyl
 Concen: 21.972 ng
 RT: 9.26 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: BF104812.D
 Acq: 26 Apr 2018 2:59

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.4	21.3	61.3
76	10.8	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

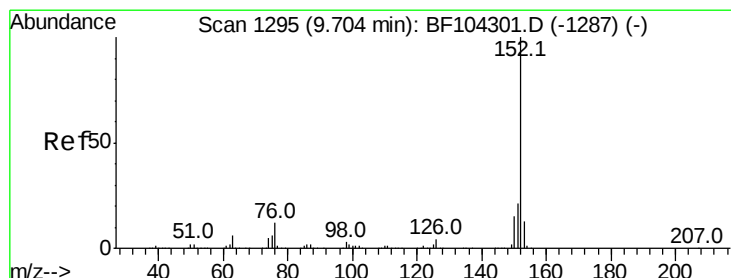
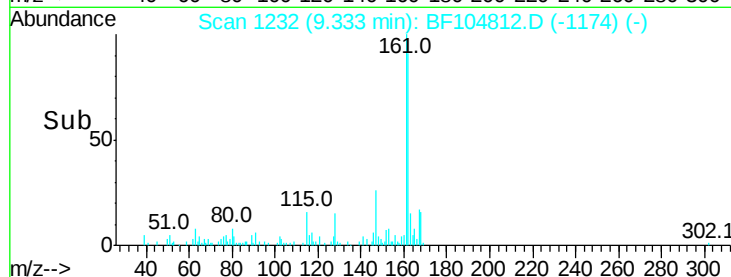
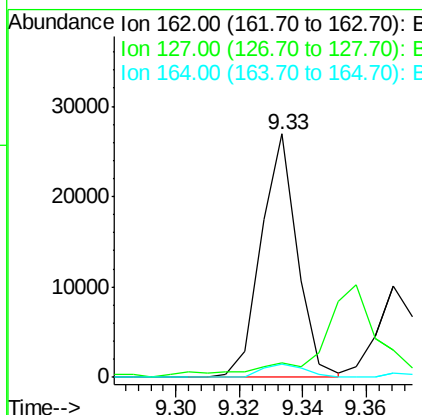
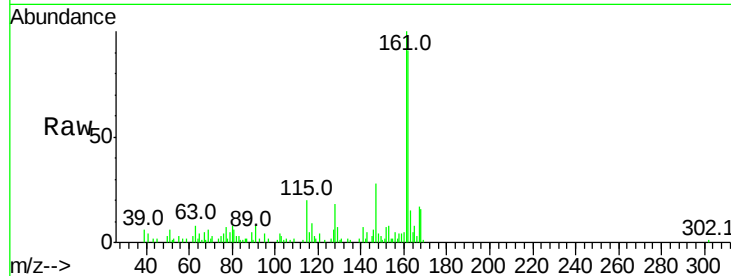




#46
2-Chloronaphthalene
Concen: 2.038 ng
RT: 9.33 min Scan# 1232
Delta R.T. 0.04 min
Lab File: BF104812.D
Acq: 26 Apr 2018 2:59

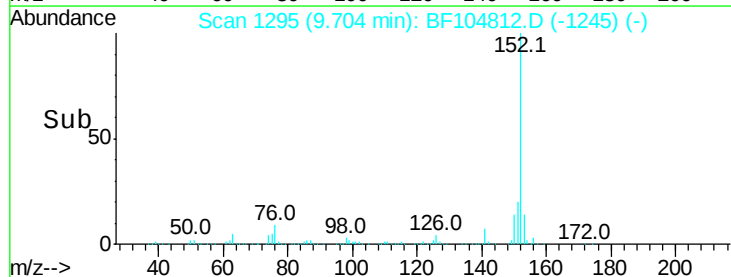
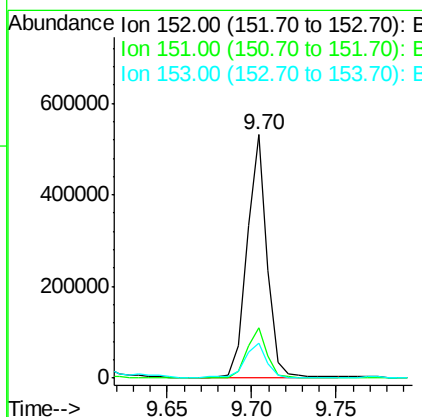
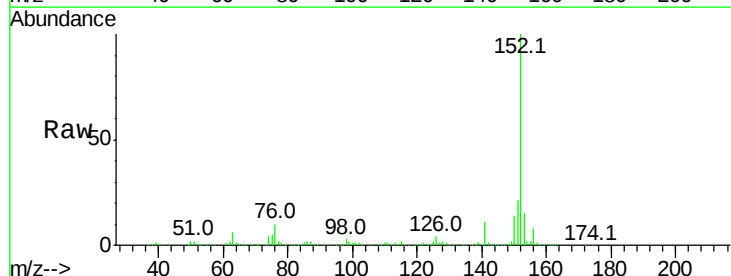
Instrument :
BNA_F
ClientSampleId :

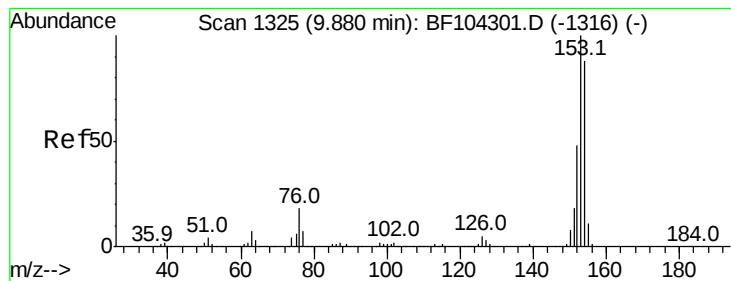
Tot Ion:162 Resp: 21270
Ion Ratio Lower Upper
162 100
127 6.0 33.9 50.9#
164 5.6 26.5 39.7#



#48
Acenaphthylene
Concen: 26.683 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF104812.D
Acq: 26 Apr 2018 2:59

Tgt Ion:152 Resp: 436864
Ion Ratio Lower Upper
152 100
151 20.6 16.3 24.5
153 14.6 10.7 16.1





#51

Acenaphthene

Concen: 60.053 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.00 min

Lab File: BF104812.D

Acq: 26 Apr 2018 2:59

Instrument :

BNA_F

ClientSampleId :

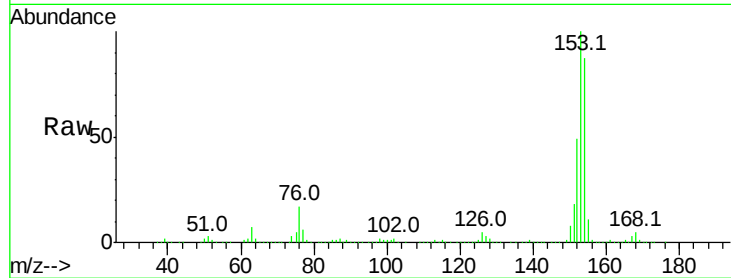
Tot Ion:154 Resp: 599879

Ion Ratio Lower Upper

154 100

153 115.0 91.2 136.8

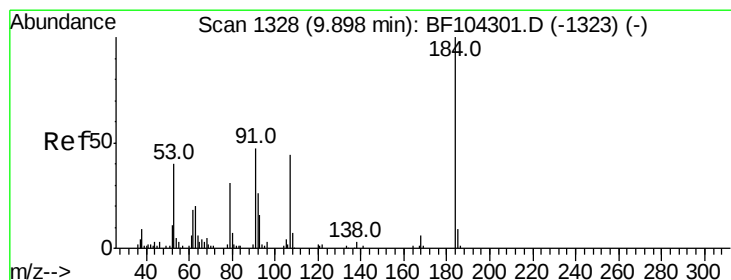
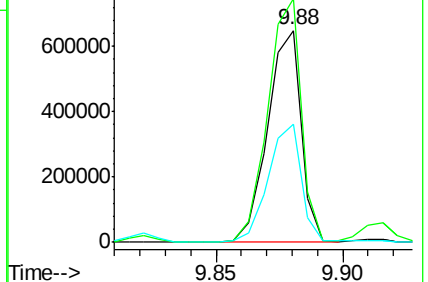
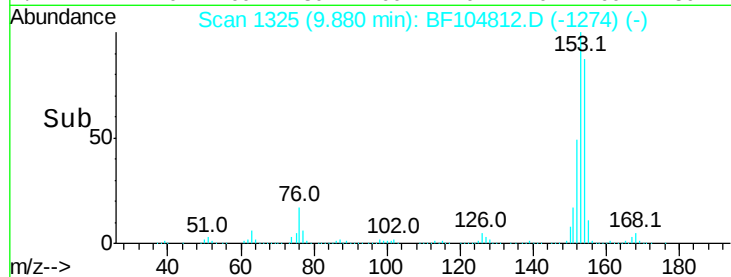
152 56.0 43.8 65.8



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



#53

2,4-Dinitrophenol

Concen: 5.521 ng

RT: 10.16 min Scan# 1372

Delta R.T. 0.24 min

Lab File: BF104812.D

Acq: 26 Apr 2018 2:59

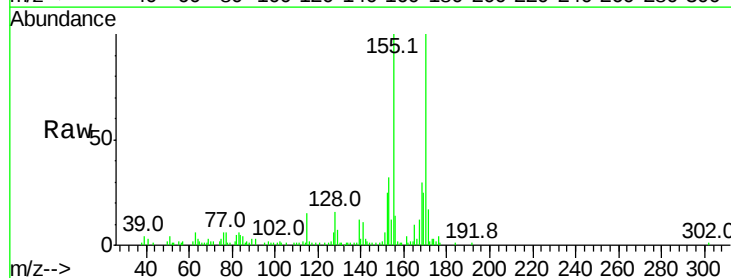
Tgt Ion:184 Resp: 248

Ion Ratio Lower Upper

184 100

63 901.8 54.2 81.2#

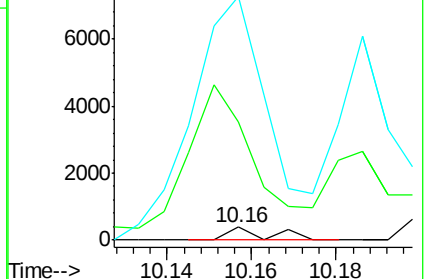
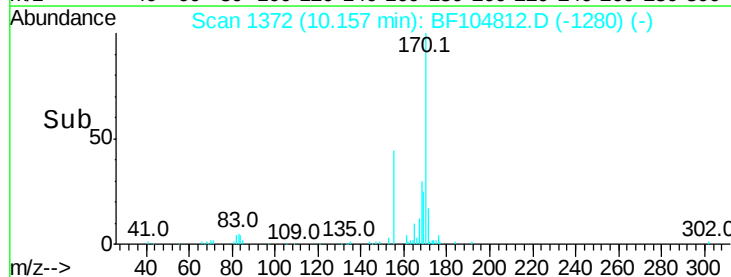
154 1858.6 184.0 276.0#

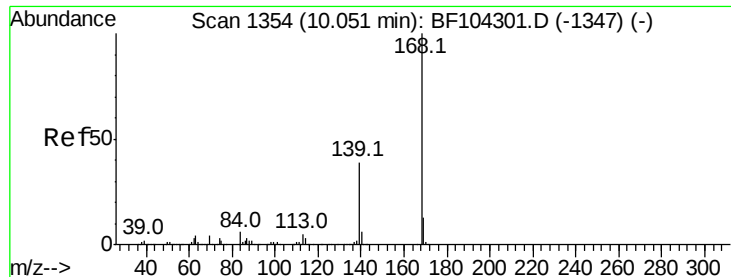


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 51.830 ng

RT: 10.05 min Scan# 1354

Delta R.T. -0.00 min

Lab File: BF104812.D

Acq: 26 Apr 2018 2:59

Instrument :

BNA_F

ClientSampleId :

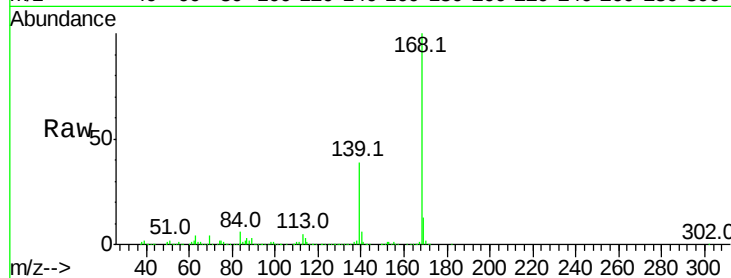
Tot Ion:168 Resp: 721531

Ion Ratio Lower Upper

168 100

139 38.6 30.1 45.1

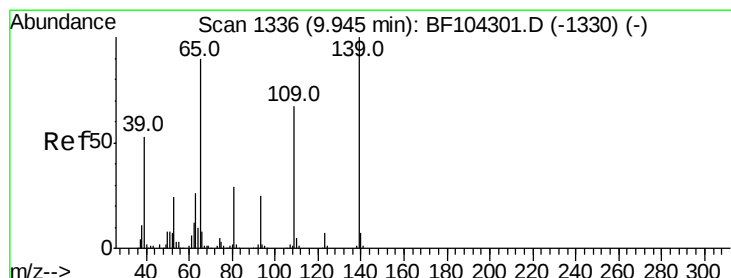
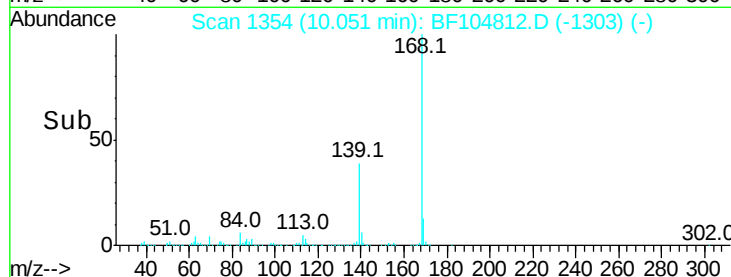
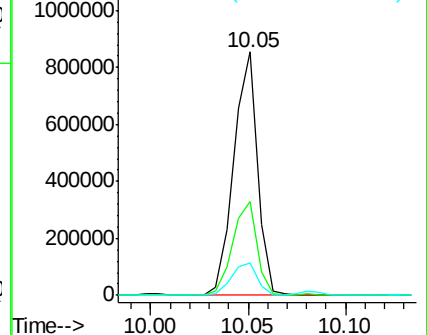
169 13.5 10.9 16.3



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: 135.269 ng

RT: 10.05 min Scan# 1354

Delta R.T. 0.08 min

Lab File: BF104812.D

Acq: 26 Apr 2018 2:59

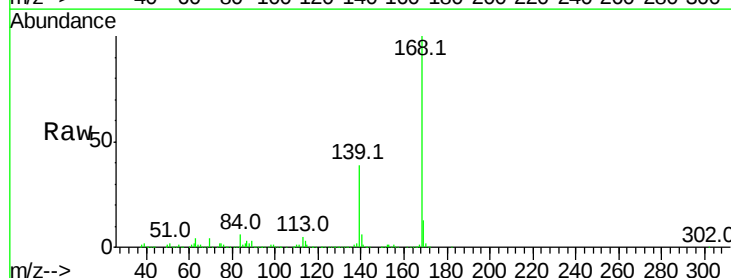
Tgt Ion:139 Resp: 285452

Ion Ratio Lower Upper

139 100

109 0.9 48.4 88.4#

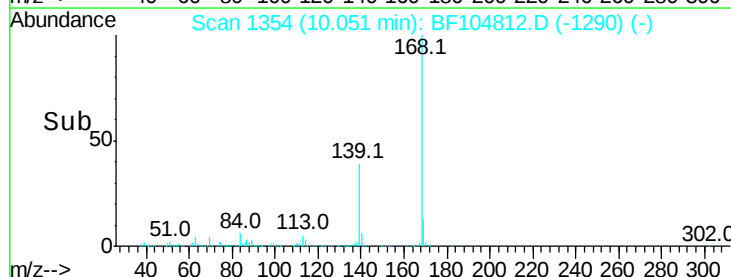
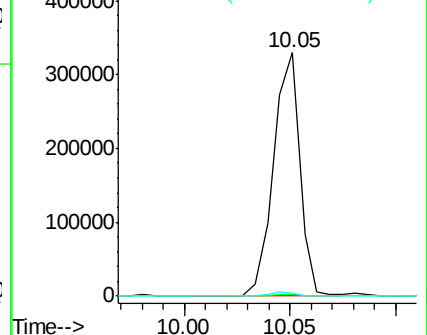
65 1.4 72.6 112.6#

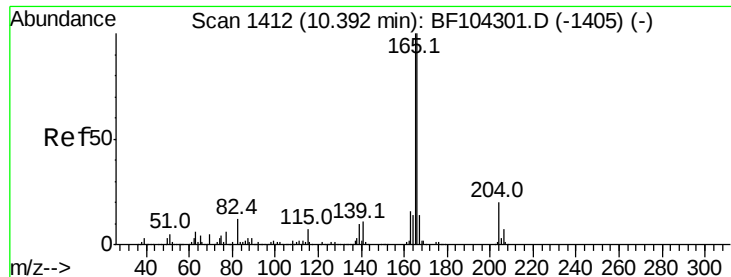


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

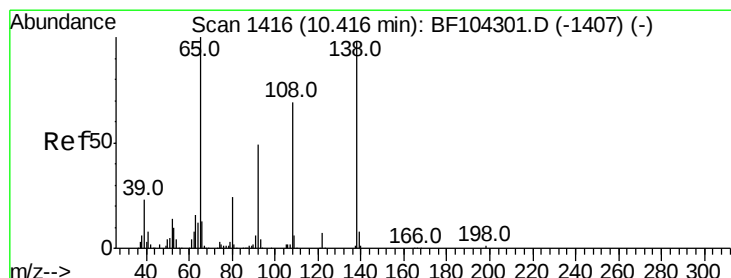
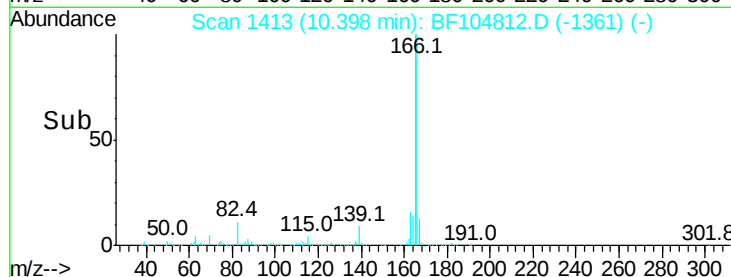
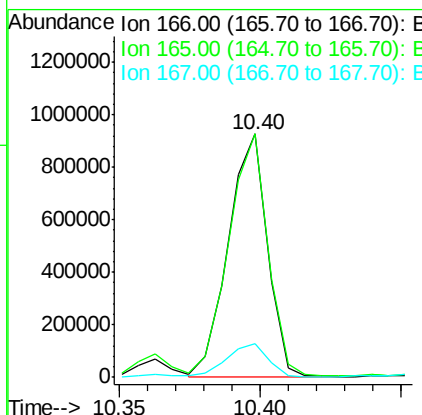
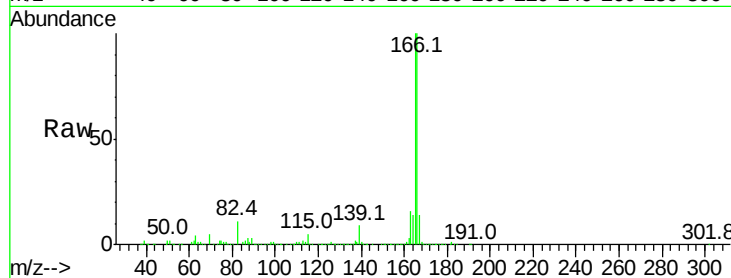




#57
 Fluorene
 Concen: 87.705 ng
 RT: 10.40 min Scan# 1413
 Delta R.T. 0.01 min
 Lab File: BF104812.D
 Acq: 26 Apr 2018 2:59

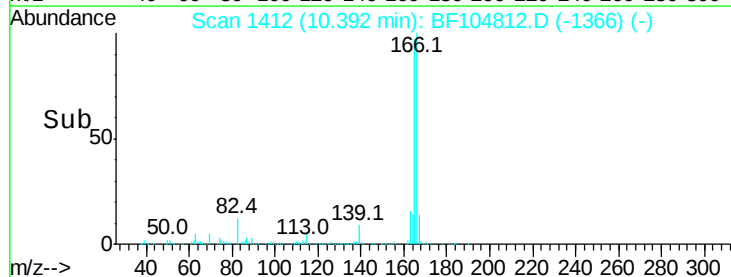
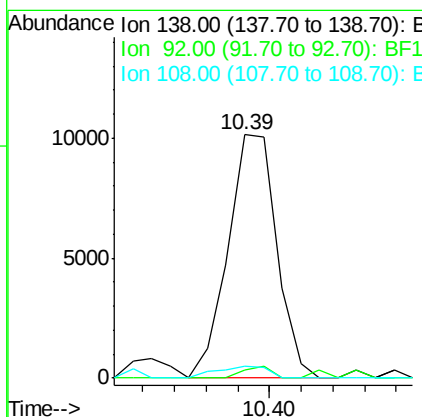
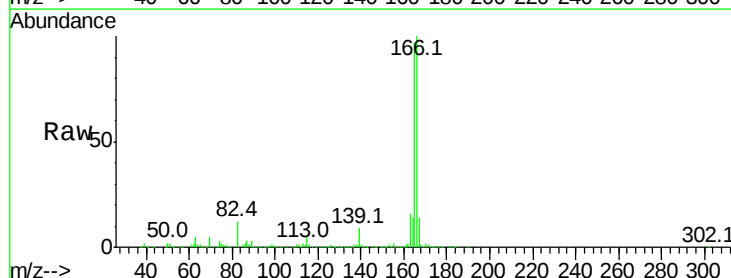
Instrument :
 BNA_F
 ClientSampleId :

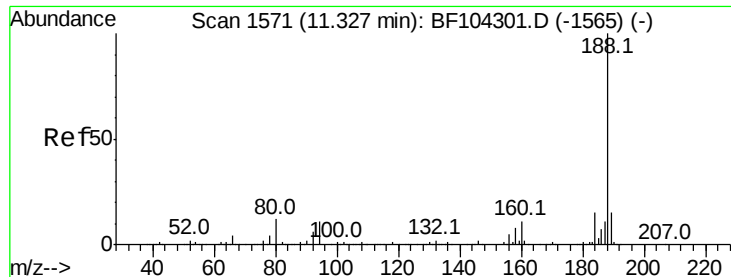
Tot Ion:166 Resp: 888693
 Ion Ratio Lower Upper
 166 100
 165 100.0 79.8 119.8
 167 13.7 10.6 16.0



#61
 4-Nitroaniline
 Concen: 4.092 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. -0.03 min
 Lab File: BF104812.D
 Acq: 26 Apr 2018 2:59

Tgt Ion:138 Resp: 10749
 Ion Ratio Lower Upper
 138 100
 92 3.3 30.2 70.2#
 108 5.0 52.5 92.5#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.00 min

Lab File: BF104812.D

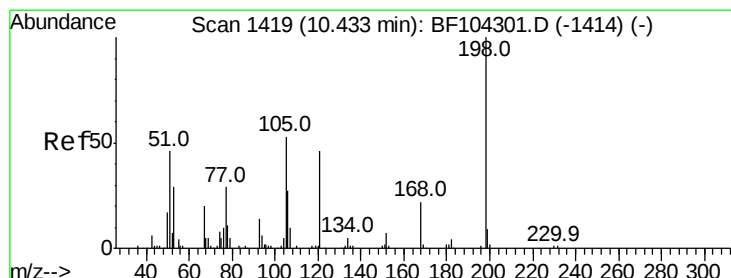
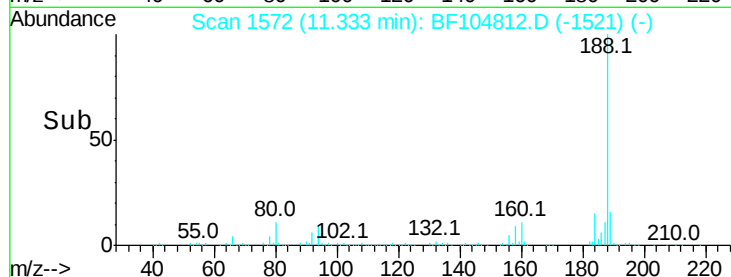
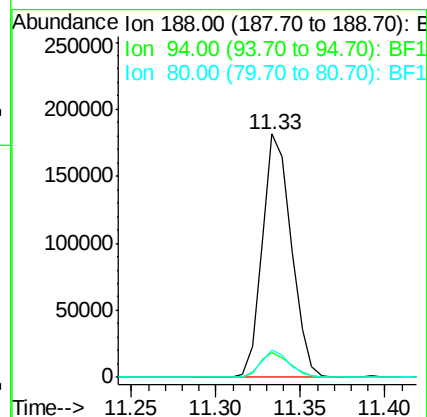
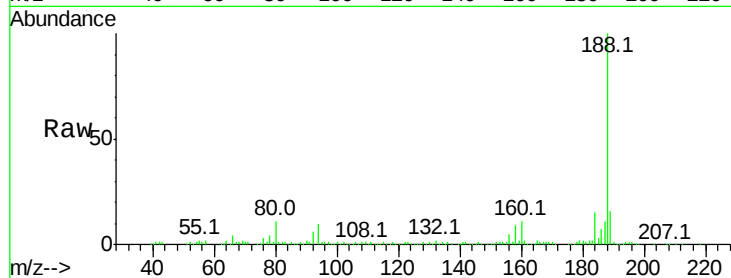
Acq: 26 Apr 2018 2:59

Instrument :

BNA_F

ClientSampleId :

Tot Ion:188	Resp:	217327
Ion	Ratio	Lower Upper
188	100	
94	10.2	8.5 12.7
80	11.0	9.2 13.8



#64

4,6-Dinitro-2-methylphenol

Concen: 7.695 ng

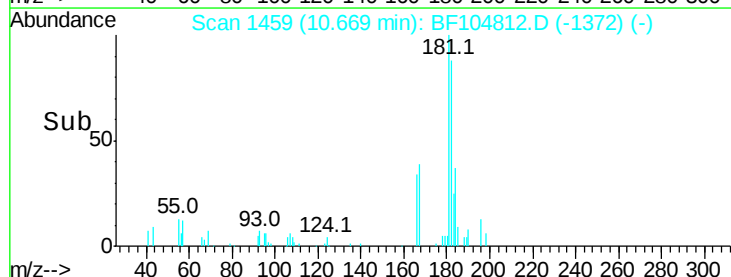
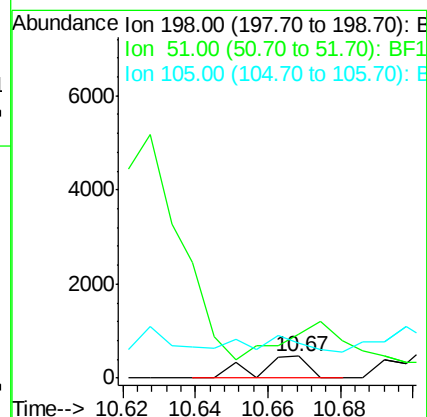
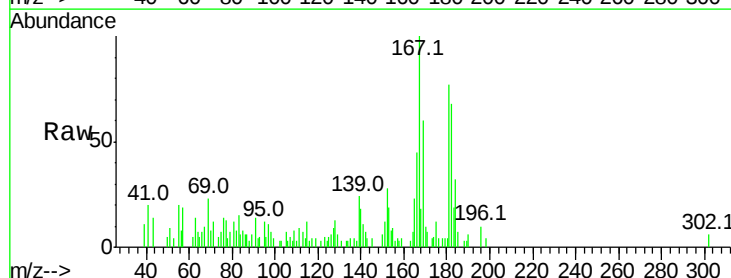
RT: 10.67 min Scan# 1459

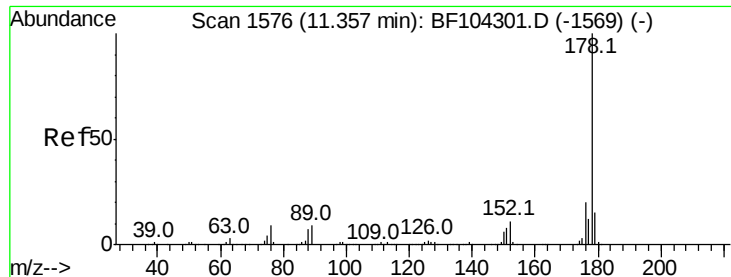
Delta R.T. 0.21 min

Lab File: BF104812.D

Acq: 26 Apr 2018 2:59

Tgt Ion:198	Resp:	435
Ion	Ratio	Lower Upper
198	100	
51	198.9	37.7 77.7#
105	159.1	36.3 76.3#





#70

Phenanthrene

Concen: 216.442 ng

RT: 11.37 min Scan# 1579

Delta R.T. 0.01 min

Lab File: BF104812.D

Acq: 26 Apr 2018 2:59

Instrument :

BNA_F

ClientSampled :

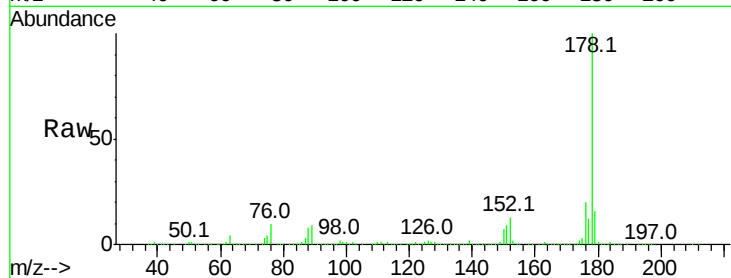
Tot Ion:178 Resp: 2619549

Ion Ratio Lower Upper

178 100

176 20.5 15.8 23.8

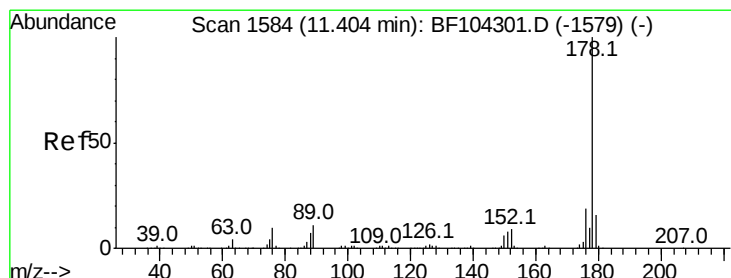
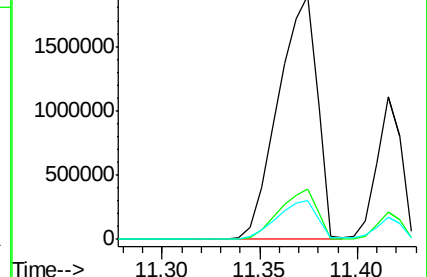
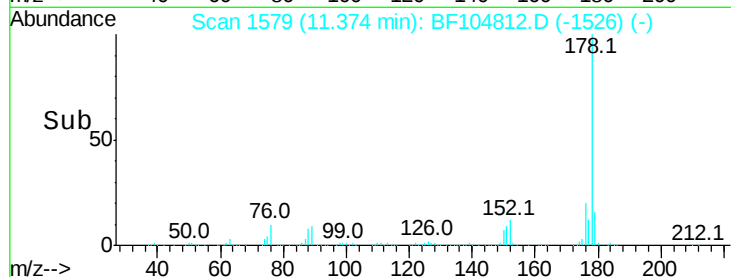
179 16.0 13.0 19.6



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: 79.062 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BF104812.D

Acq: 26 Apr 2018 2:59

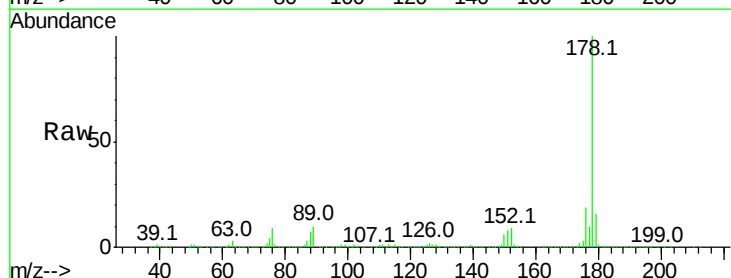
Tgt Ion:178 Resp: 972678

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

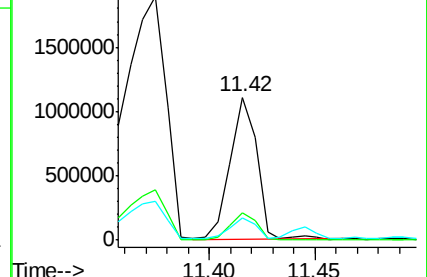
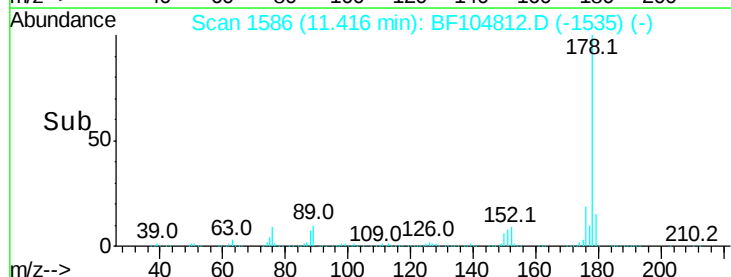
179 15.9 12.6 19.0

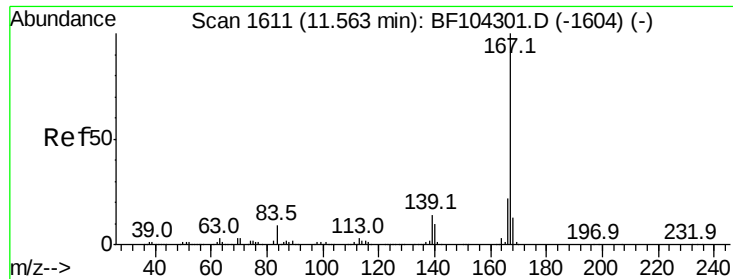


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 27.172 ng

RT: 11.57 min Scan# 1612

Delta R.T. -0.00 min

Lab File: BF104812.D

Acq: 26 Apr 2018 2:59

Instrument :

BNA_F

ClientSampled :

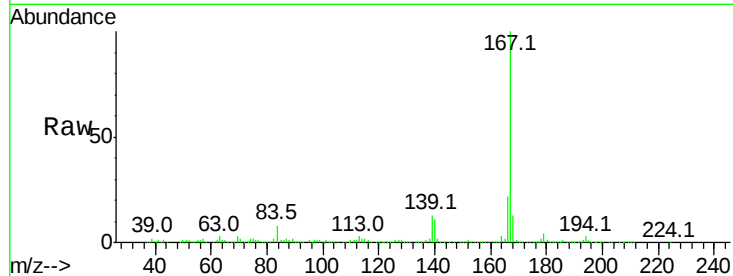
Tot Ion:167 Resp: 326659

Ion Ratio Lower Upper

167 100

166 22.4 17.6 26.4

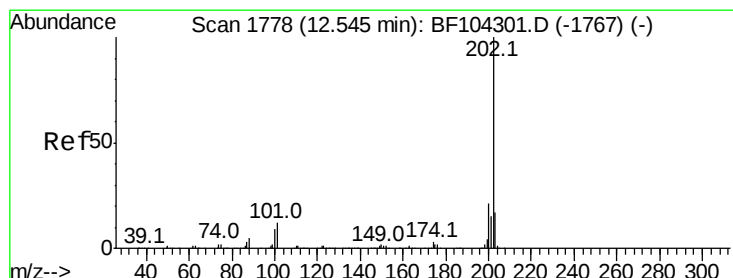
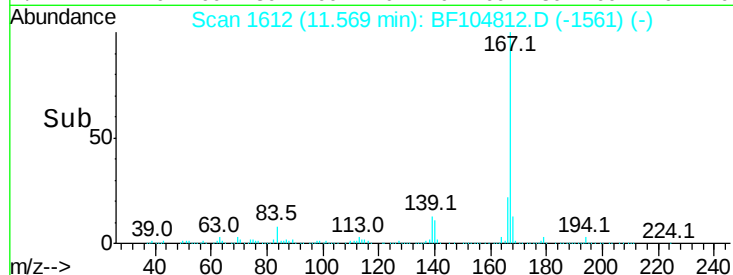
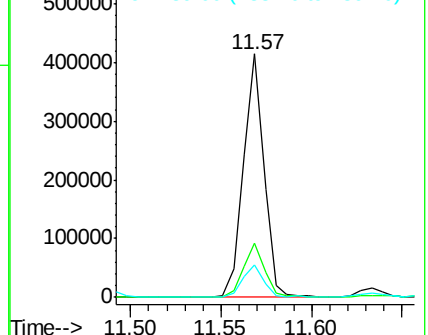
139 13.1 10.9 16.3



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: 156.675 ng

RT: 12.56 min Scan# 1781

Delta R.T. 0.01 min

Lab File: BF104812.D

Acq: 26 Apr 2018 2:59

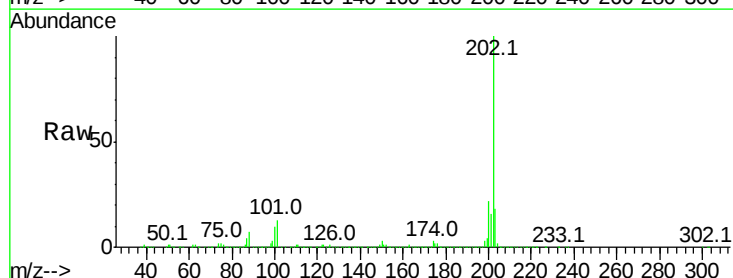
Tgt Ion:202 Resp: 1981163

Ion Ratio Lower Upper

202 100

101 13.1 0.0 34.1

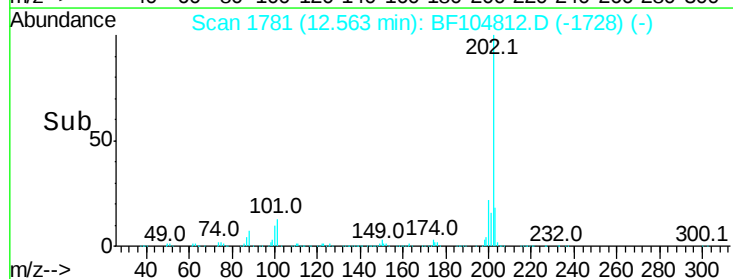
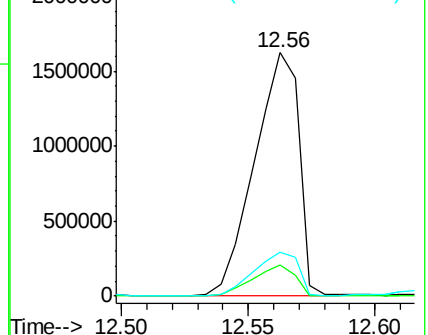
203 18.2 0.0 38.1

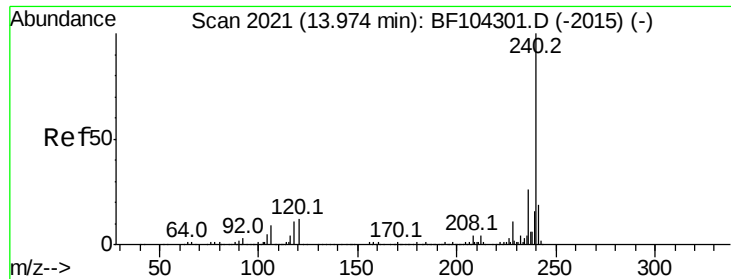


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrvsene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.01 min

Lab File: BF104812.D

Acq: 26 Apr 2018 2:59

Instrument :

BNA_F

ClientSampleId :

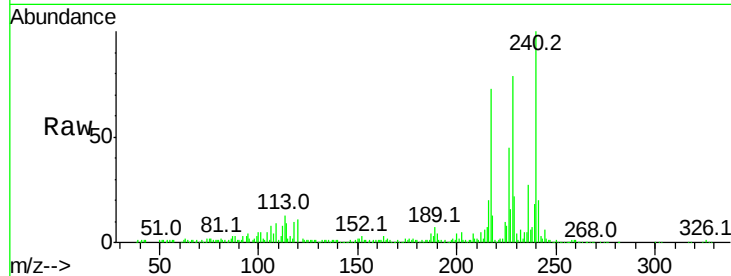
Tot Ion:240 Resp: 167894

Ion Ratio Lower Upper

240 100

120 11.0 9.5 14.3

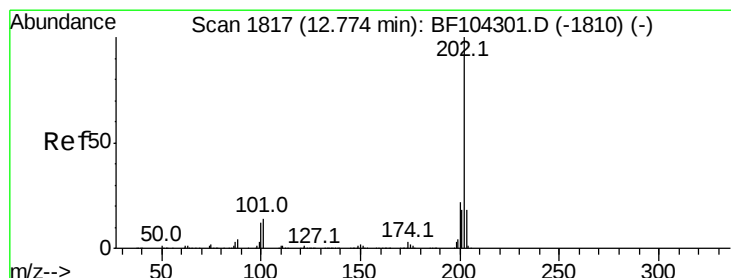
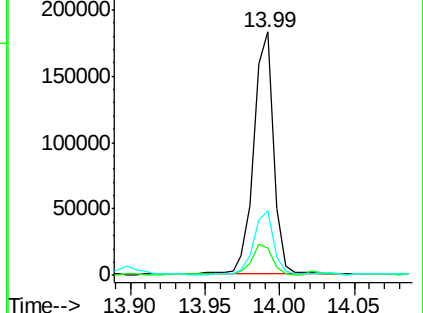
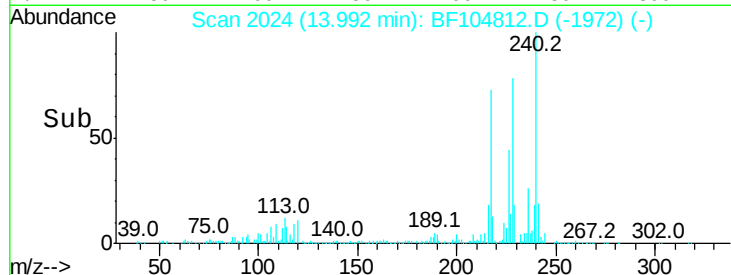
236 26.7 20.7 31.1



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: 151.186 ng

RT: 12.79 min Scan# 1820

Delta R.T. 0.01 min

Lab File: BF104812.D

Acq: 26 Apr 2018 2:59

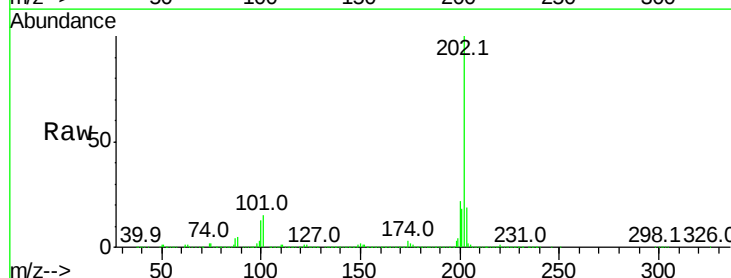
Tgt Ion:202 Resp: 1881491

Ion Ratio Lower Upper

202 100

200 22.2 17.4 26.2

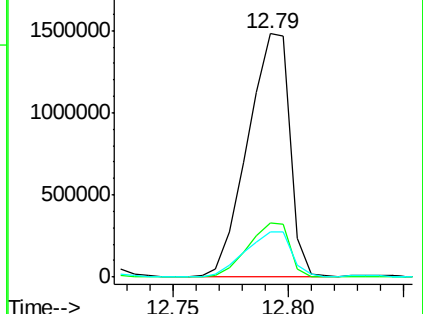
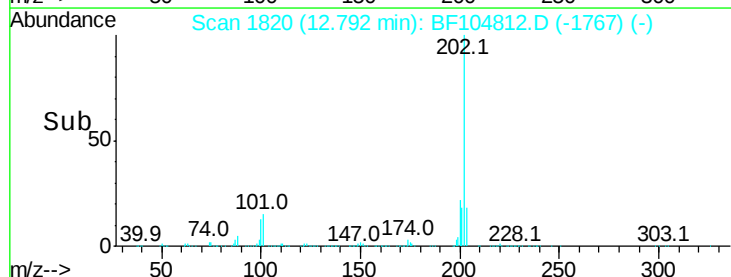
203 18.6 14.3 21.5

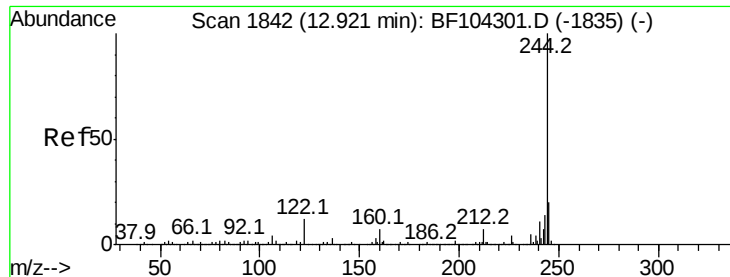


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

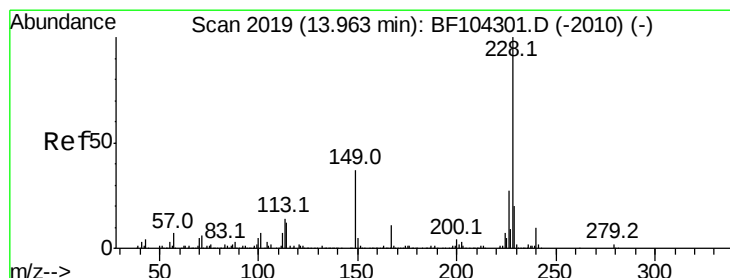
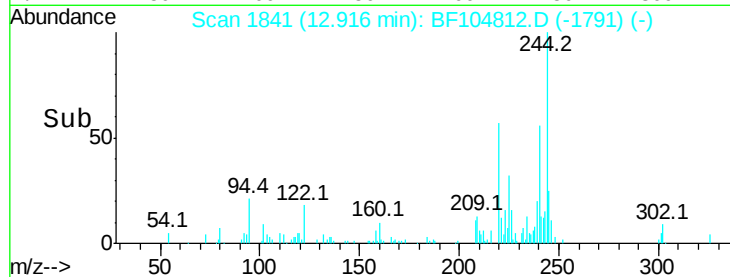
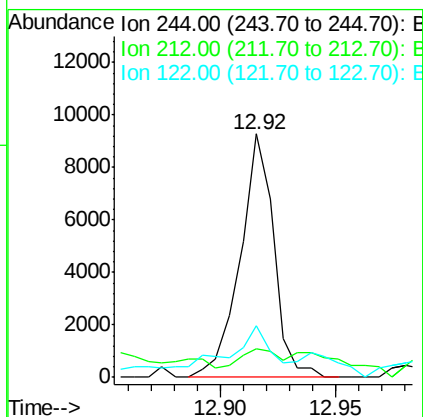
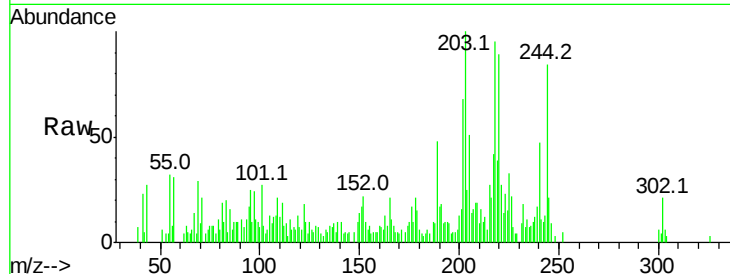




#78
 Terphenyl-d14
 Concen: 1.285 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF104812.D
 Acq: 26 Apr 2018 2:59

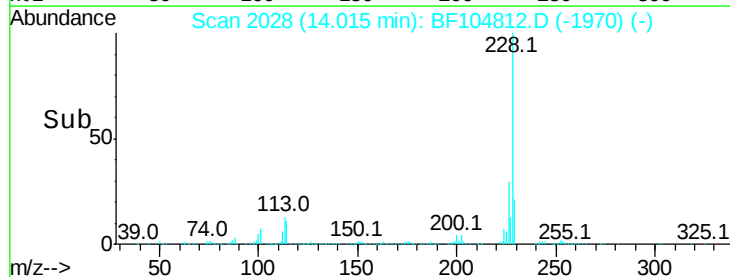
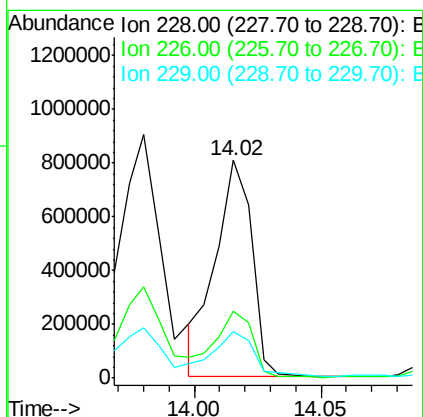
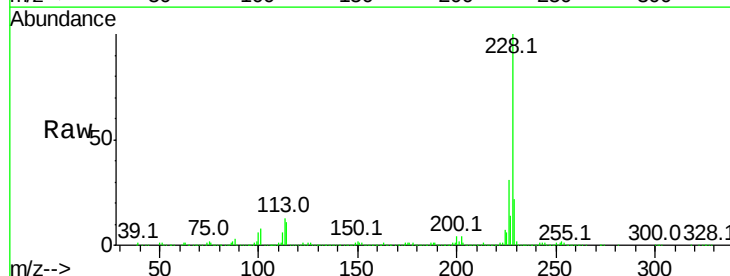
Instrument :
 BNA_F
 ClientSampleId :

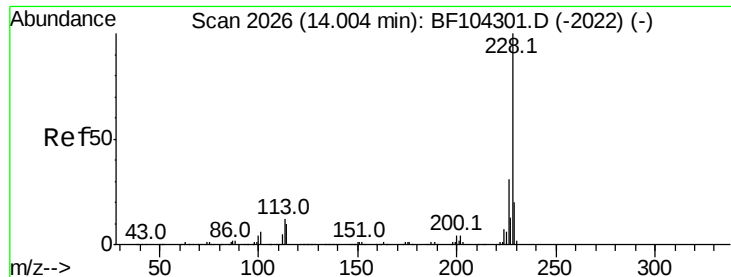
Tot Ion:244 Resp: 9465
 Ion Ratio Lower Upper
 244 100
 212 11.6 5.4 8.0#
 122 21.3 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 80.475 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. 0.04 min
 Lab File: BF104812.D
 Acq: 26 Apr 2018 2:59

Tgt Ion:228 Resp: 807181
 Ion Ratio Lower Upper
 228 100
 226 30.9 22.6 33.8
 229 21.6 15.8 23.6





#82

Chrysene

Concen: 78.348 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.00 min

Lab File: BF104812.D

Acq: 26 Apr 2018 2:59

Instrument :

BNA_F

ClientSampleId :

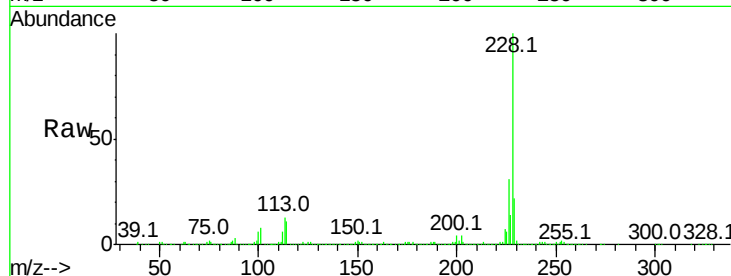
Tot Ion:228 Resp: 807181

Ion Ratio Lower Upper

228 100

226 30.9 25.0 37.6

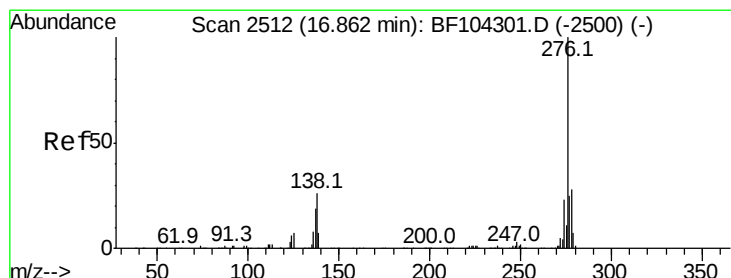
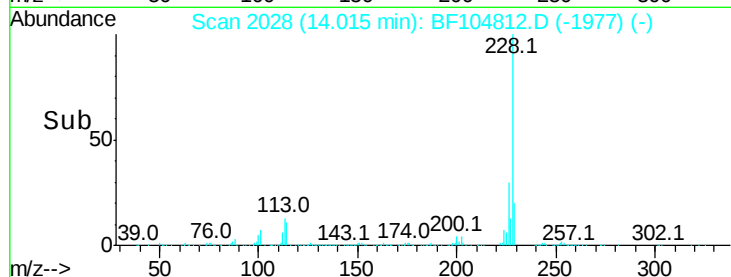
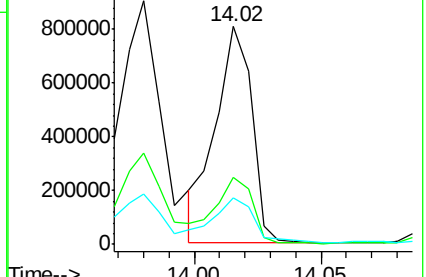
229 21.6 16.2 24.4



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: 35.417 ng

RT: 16.92 min Scan# 2521

Delta R.T. -0.02 min

Lab File: BF104812.D

Acq: 26 Apr 2018 2:59

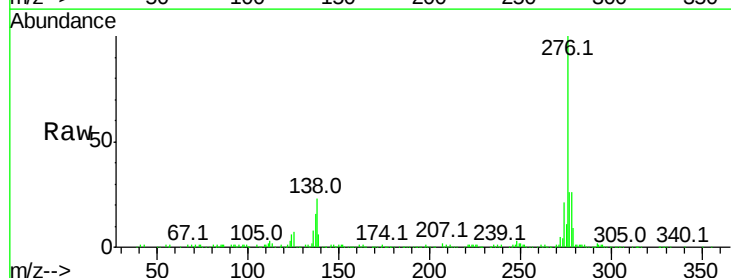
Tgt Ion:276 Resp: 309968

Ion Ratio Lower Upper

276 100

138 21.5 25.0 37.6#

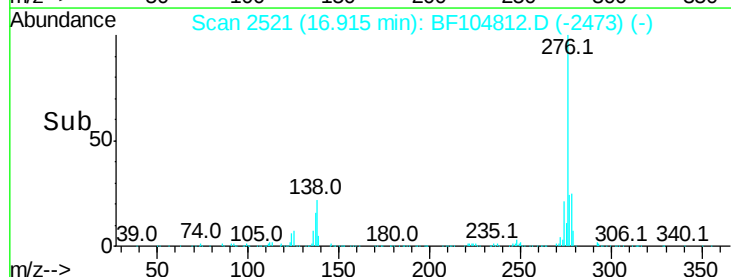
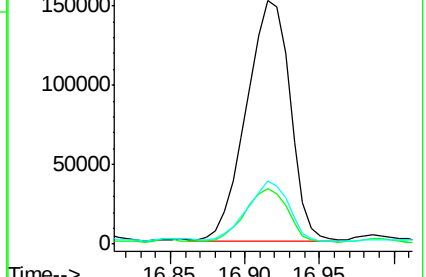
277 24.0 20.1 30.1

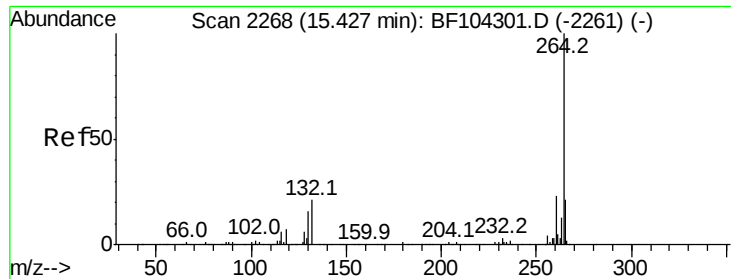


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.45 min Scan# 2272

Delta R.T. -0.01 min

Lab File: BF104812.D

Acq: 26 Apr 2018 2:59

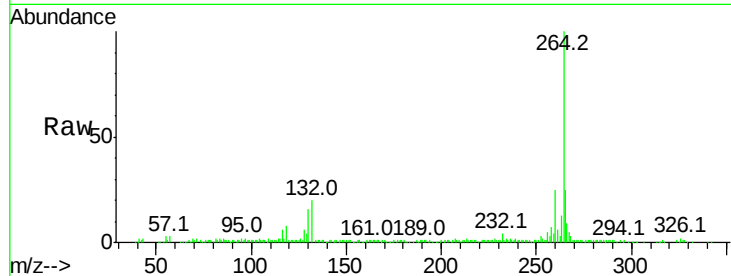
Instrument :

BNA_F

ClientSampleId :

Tot Ion:264 Resp: 132216

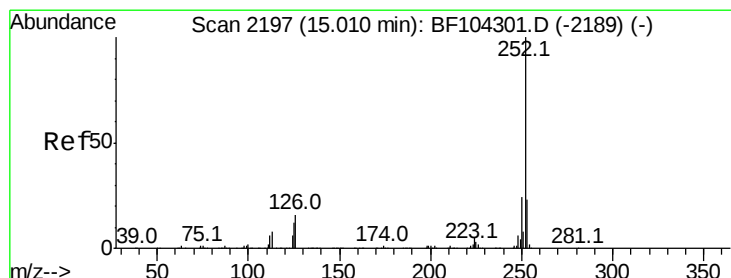
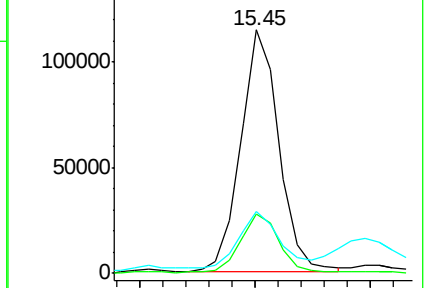
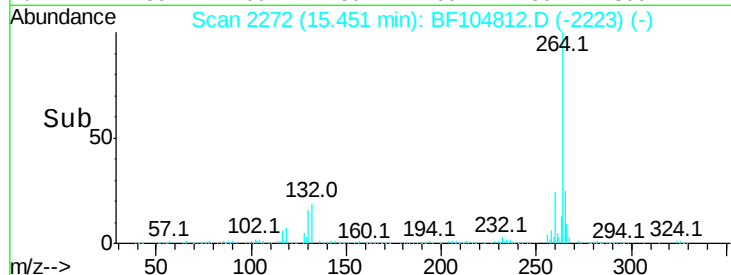
Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	25.5	17.5	26.3



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: 137.972 ng

RT: 15.03 min Scan# 2201

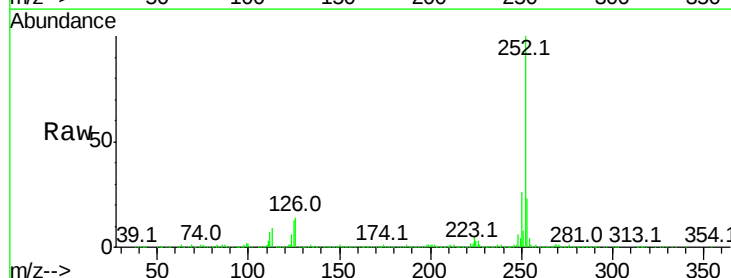
Delta R.T. -0.01 min

Lab File: BF104812.D

Acq: 26 Apr 2018 2:59

Tgt Ion:252 Resp: 1152136

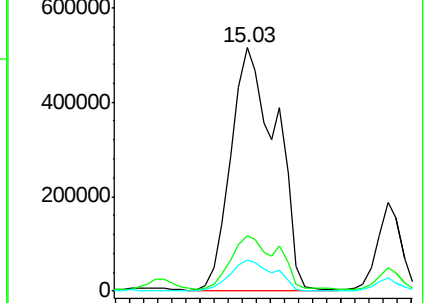
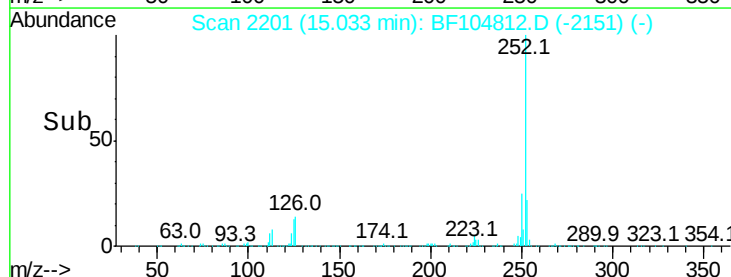
Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	12.8	9.0	13.6

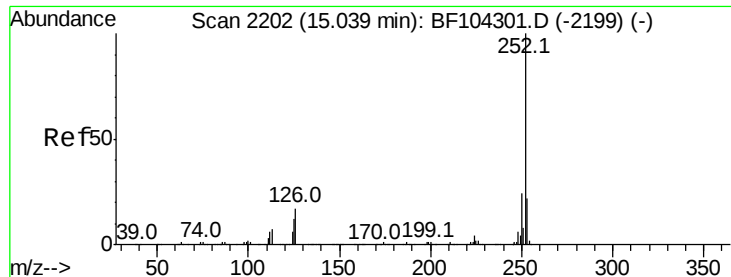


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 146.142 ng

RT: 15.03 min Scan# 2201

Delta R.T. -0.04 min

Lab File: BF104812.D

Acq: 26 Apr 2018 2:59

Instrument :

BNA_F

ClientSampleId :

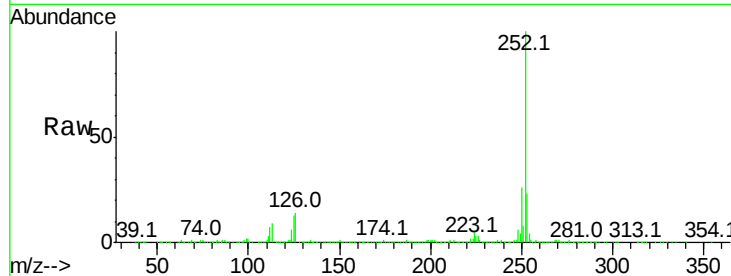
Tot Ion:252 Resp: 1152136

Ion Ratio Lower Upper

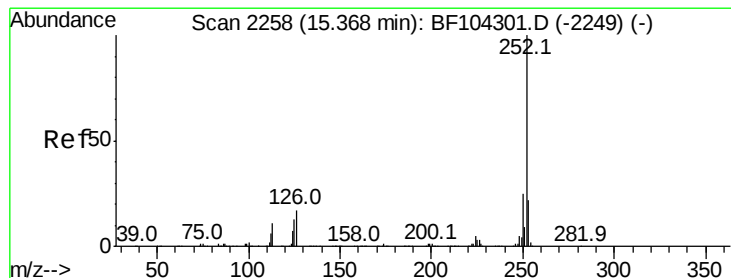
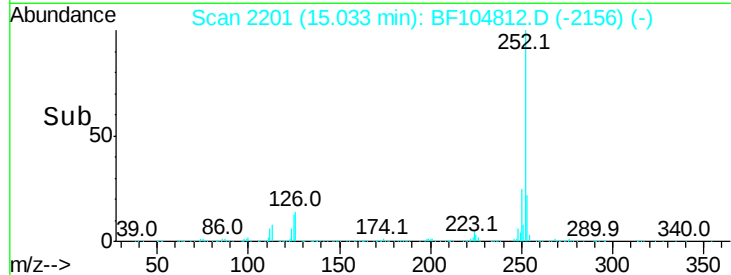
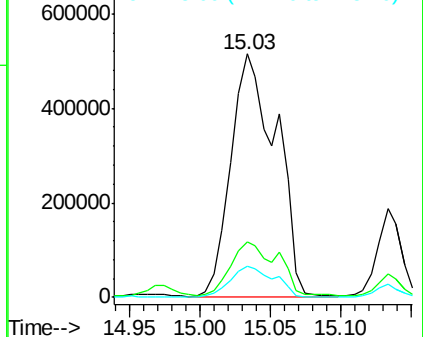
252 100

253 22.7 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: 86.538 ng

RT: 15.40 min Scan# 2263

Delta R.T. -0.01 min

Lab File: BF104812.D

Acq: 26 Apr 2018 2:59

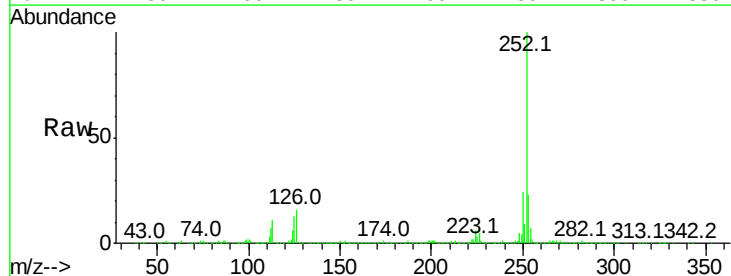
Tgt Ion:252 Resp: 646581

Ion Ratio Lower Upper

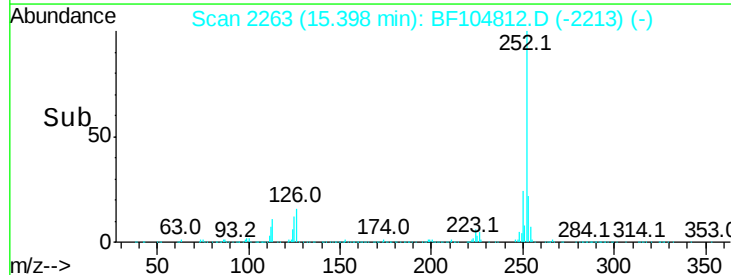
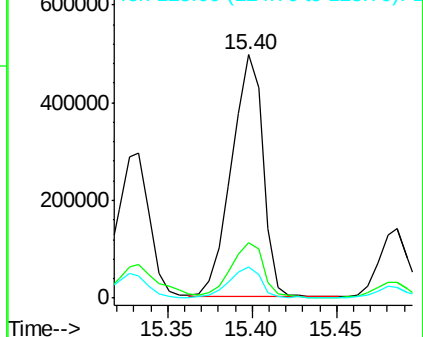
252 100

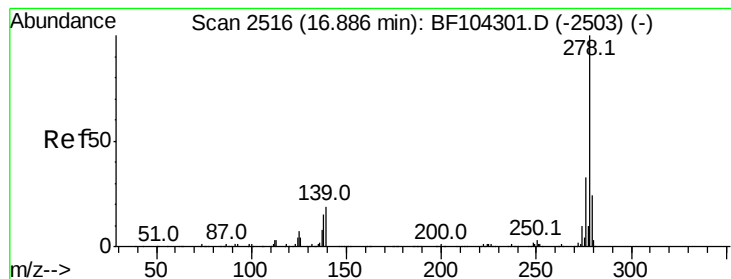
253 23.0 17.1 25.7

125 12.6 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





#90

Dibenzo(a,h)anthracene

Concen: 8.087 ng

RT: 17.14 min Scan# 2560

Delta R.T. 0.19 min

Lab File: BF104812.D

Acq: 26 Apr 2018 2:59

Instrument :

BNA_F

ClientSampleId :

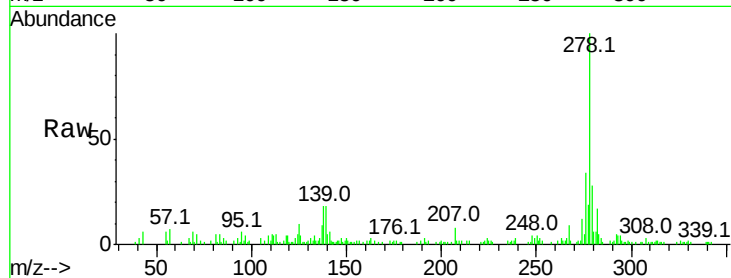
Tot Ion:278 Resp: 49626

Ion Ratio Lower Upper

278 100

139 18.5 15.9 23.9

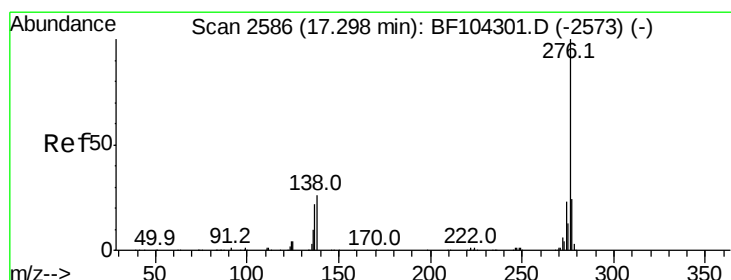
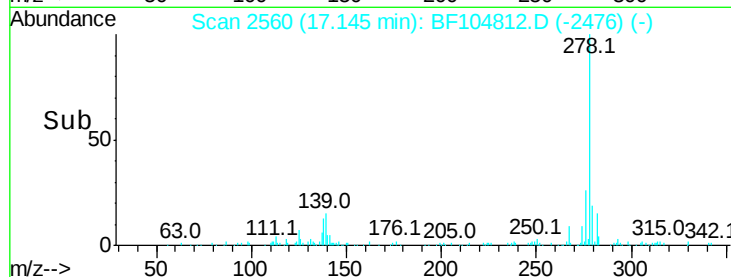
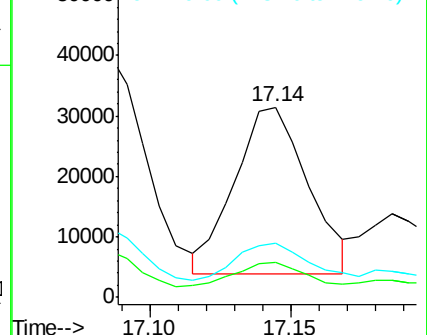
279 28.4 19.0 28.4



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: 49.036 ng

RT: 17.36 min Scan# 2597

Delta R.T. -0.02 min

Lab File: BF104812.D

Acq: 26 Apr 2018 2:59

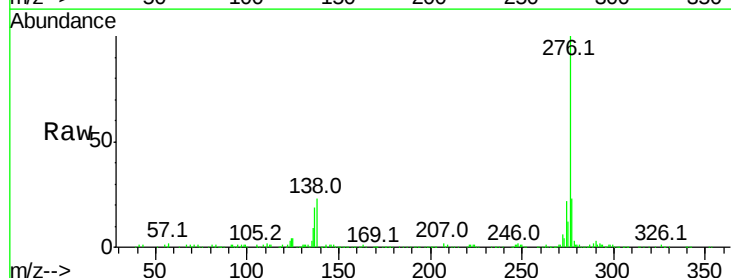
Tgt Ion:276 Resp: 291532

Ion Ratio Lower Upper

276 100

277 22.9 17.9 26.9

138 23.2 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

