

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF040218\
 Data File : BF104155.D
 Acq On : 3 Apr 2018 2:39
 Operator : JU/SJ
 Sample : J2173-04DL 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 03 03:08:15 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 02 13:40:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	83261	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	361399	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	154686	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	229672	20.00	ng	0.00
75) Chrysene-d12	14.14	240	205564	20.00	ng	0.00
86) Perylene-d12	15.69	264	191610	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	24766	4.74	ng	0.05
7) Phenol-d6	6.63	99	8923	1.39	ng	0.04
23) Nitrobenzene-d5	7.53	82	92147	15.59	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	32001	18.58	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	212724	21.69	ng	0.00
78) Terphenyl-d14	13.07	244	138096	15.51	ng	0.00

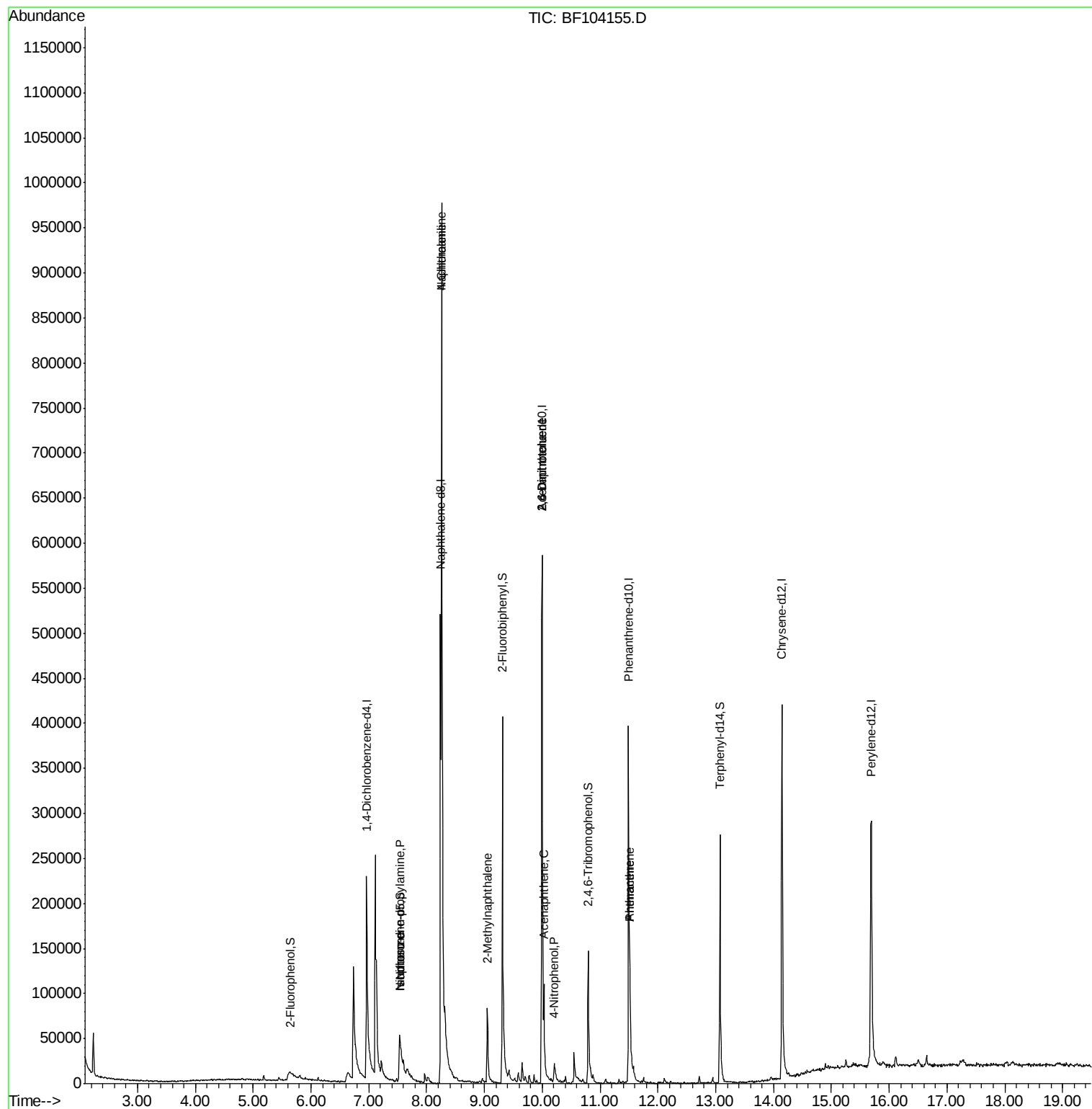
Target Compounds				Qvalue		
9) Benzaldehyde	6.73	77	1310	Below Cal	#	70
19) n-Nitroso-di-n-propylamine	7.53	70	7637	2.003 ng	#	78
25) Isophorone	7.53	82	95114	8.734 ng	#	64
31) Naphthalene	8.26	128	634479	35.936 ng		100
33) 4-Chloroaniline	8.26	127	80156	10.769 ng	#	36
37) 2-Methylnaphthalene	9.05	142	36538	3.142 ng		96
50) 2,6-Dinitrotoluene	10.00	165	19498	7.421 ng	#	24
51) Acenaphthene	10.03	154	22966	2.502 ng		94
55) 4-Nitrophenol	10.21	139	9473	5.231 ng	#	9
56) 2,4-Dinitrotoluene	10.00	165	19629	5.855 ng	#	21
70) Phenanthrene	11.52	178	38963	3.133 ng		98
71) Anthracene	11.52	178	38963	3.000 ng		98

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

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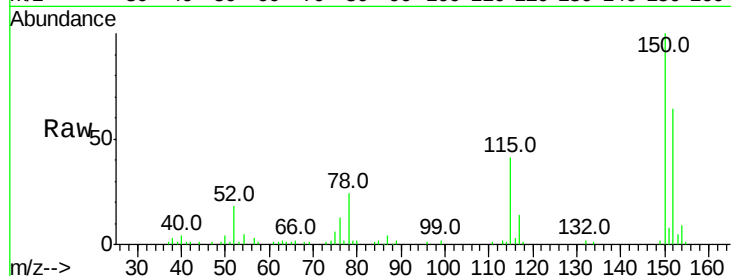


#1

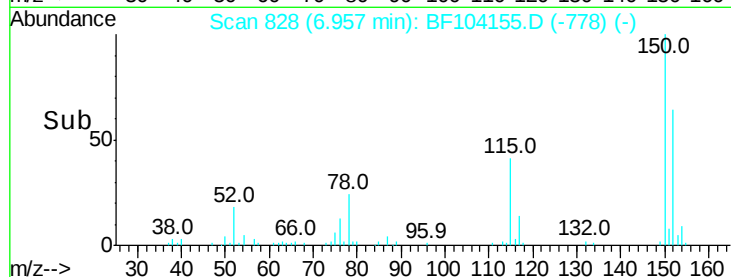
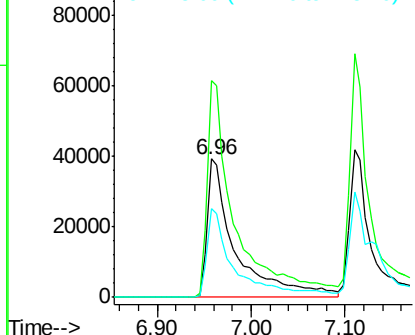
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF104155.D
Acq: 3 Apr 2018 2:39

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 83261
Ion Ratio Lower Upper
152 100
150 157.1 124.6 186.8
115 64.1 50.1 75.1



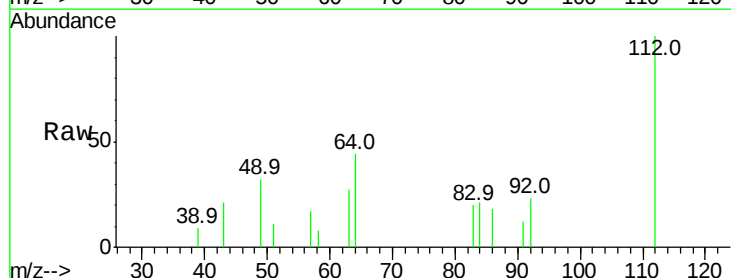
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



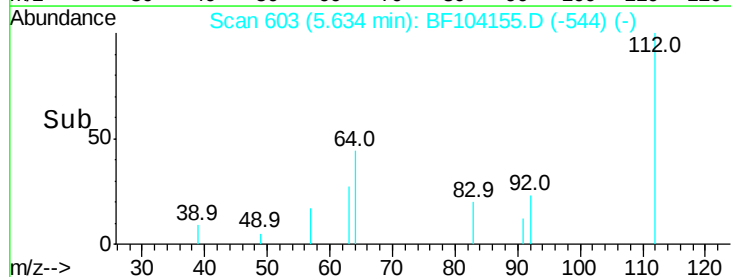
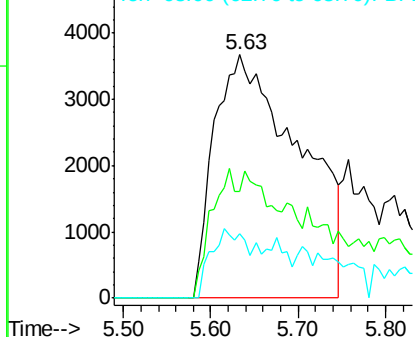
#5

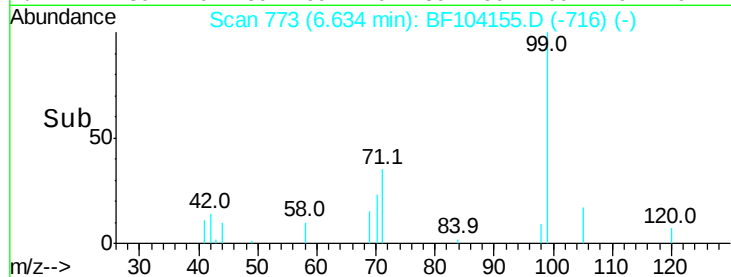
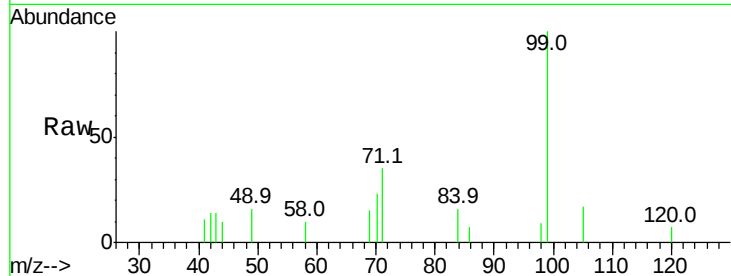
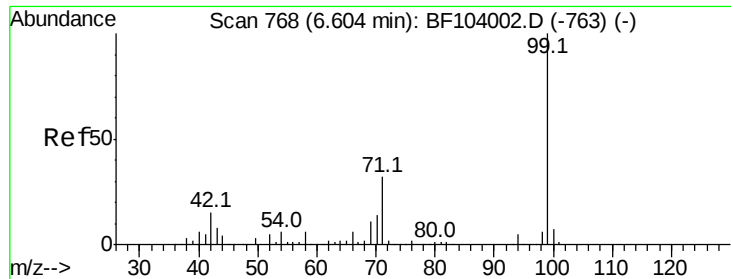
2-Fluorophenol
Concen: 4.744 ng
RT: 5.63 min Scan# 603
Delta R.T. 0.05 min
Lab File: BF104155.D
Acq: 3 Apr 2018 2:39

Tgt Ion:112 Resp: 24766
Ion Ratio Lower Upper
112 100
64 43.7 47.9 71.9#
63 26.6 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: 1.389 ng

RT: 6.63 min Scan# 773

Delta R.T. 0.04 min

Lab File: BF104155.D

Acq: 3 Apr 2018 2:39

Instrument :

BNA_F

ClientSampleId :

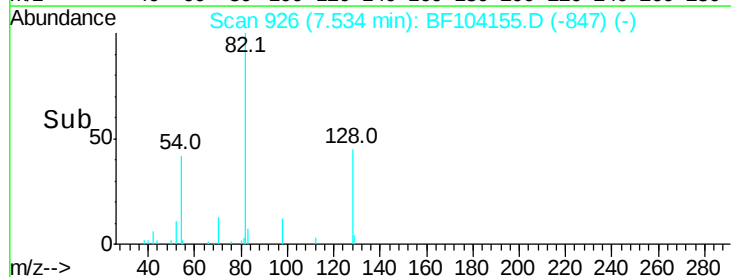
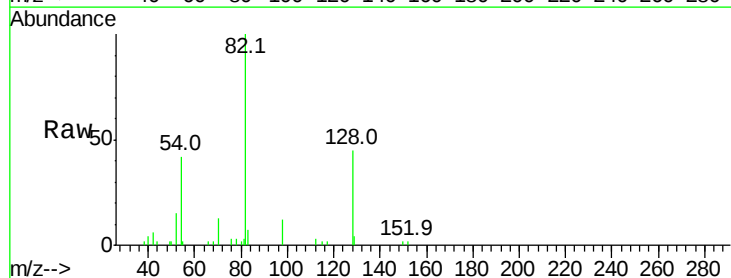
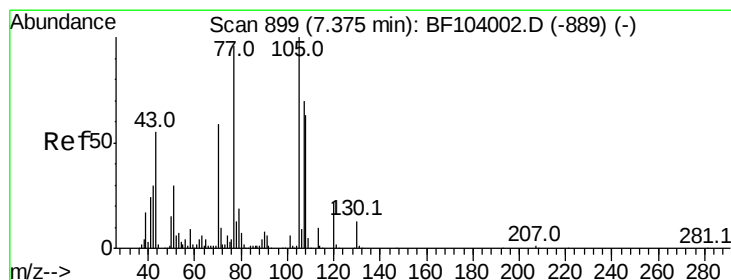
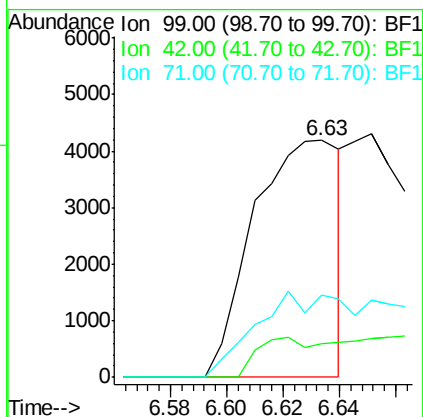
Tot Ion: 99 Resp: 8923

Ion Ratio Lower Upper

99 100

42 14.1 14.5 21.7#

71 34.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.003 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.16 min

Lab File: BF104155.D

Acq: 3 Apr 2018 2:39

Tgt Ion: 70 Resp: 7637

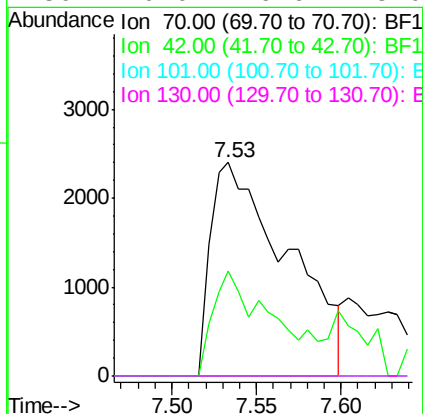
Ion Ratio Lower Upper

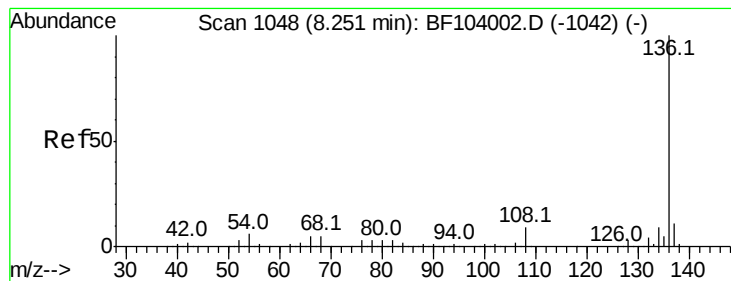
70 100

42 49.3 47.5 71.3

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF104155.D

Acq: 3 Apr 2018 2:39

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 361399

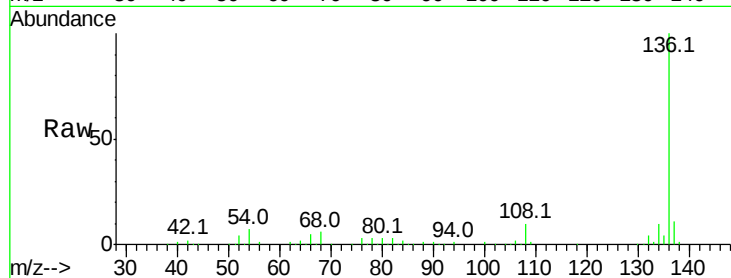
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 7.0 6.6 9.8

68 6.3 5.0 7.4

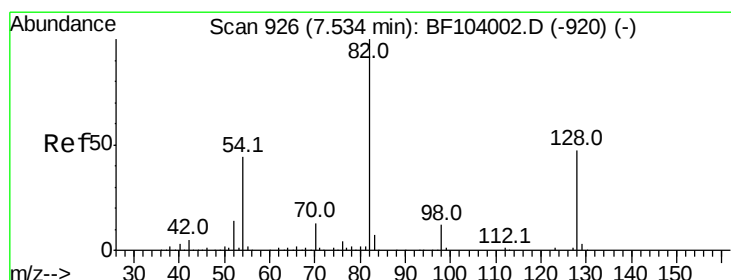
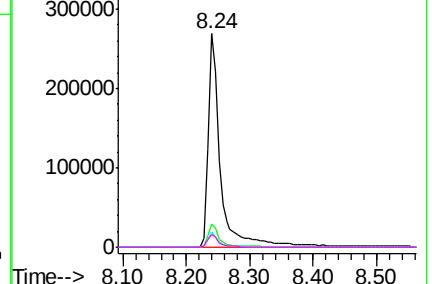
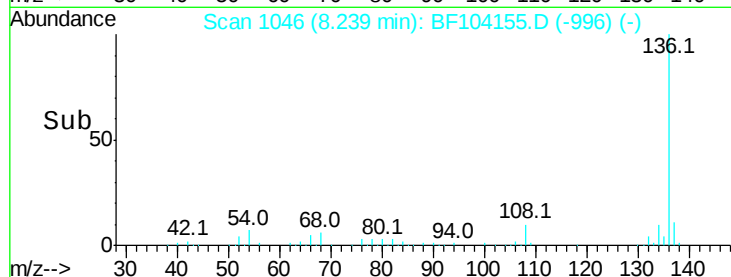


Abundance Ion 136.00 (135.70 to 136.70): E

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: 15.593 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.01 min

Lab File: BF104155.D

Acq: 3 Apr 2018 2:39

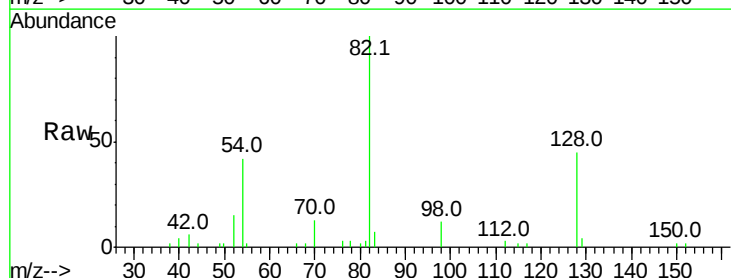
Tgt Ion: 82 Resp: 92147

Ion Ratio Lower Upper

82 100

128 44.8 36.1 54.1

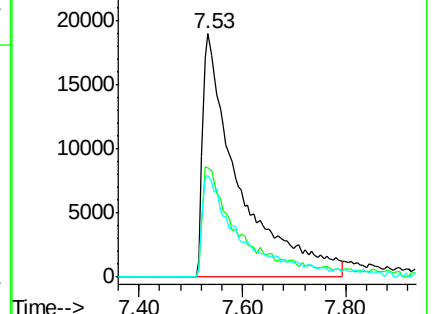
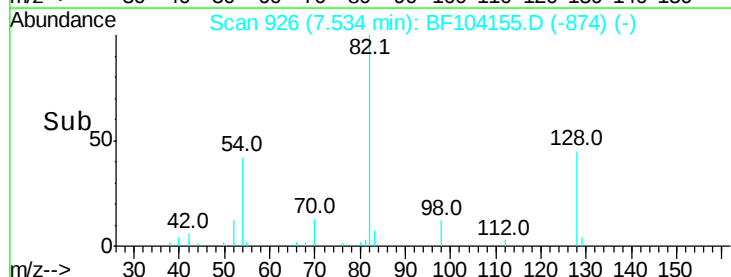
54 41.7 41.4 62.2

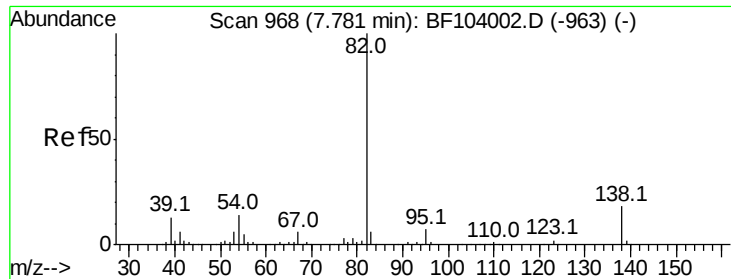


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

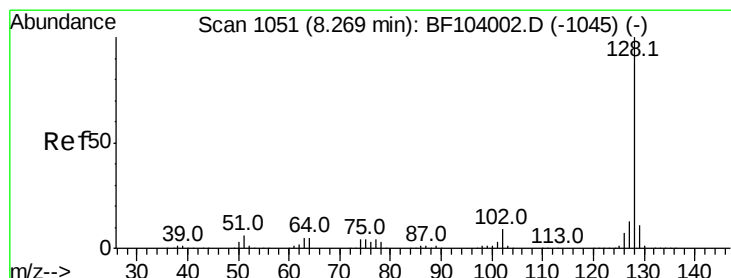
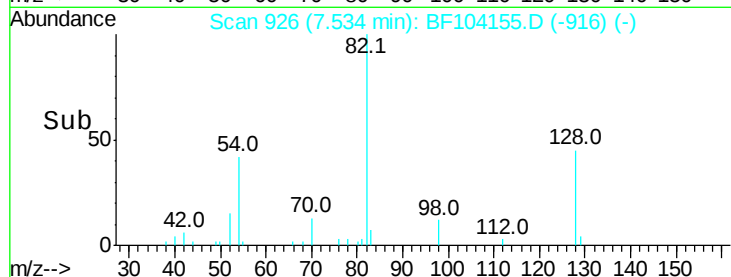
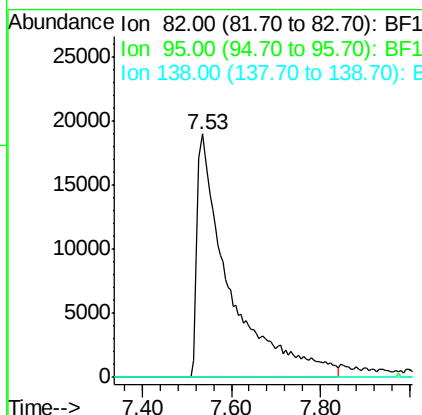
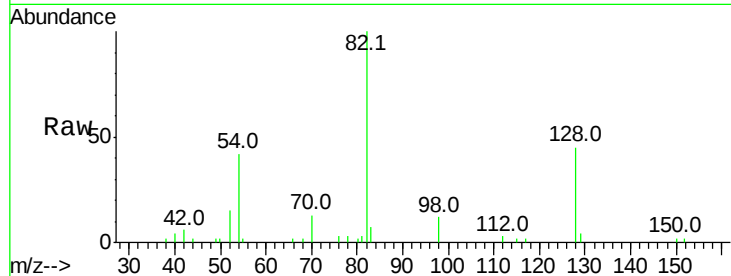




#25
Isophorone
Concen: 8.734 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.24 min
Lab File: BF104155.D
Acq: 3 Apr 2018 2:39

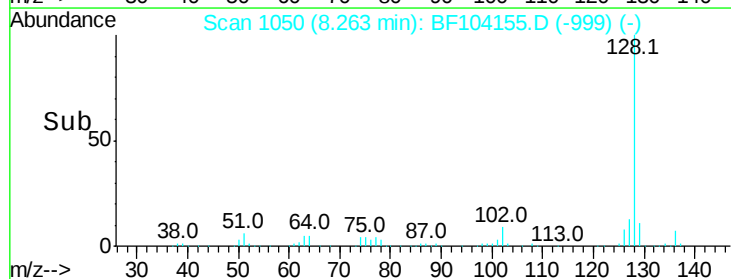
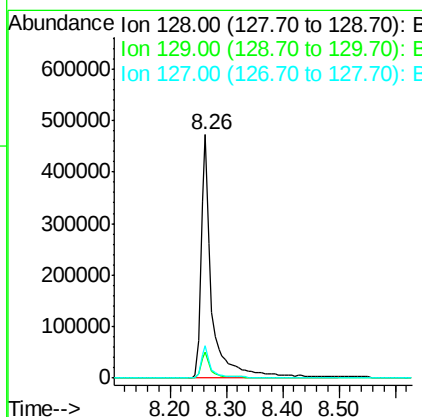
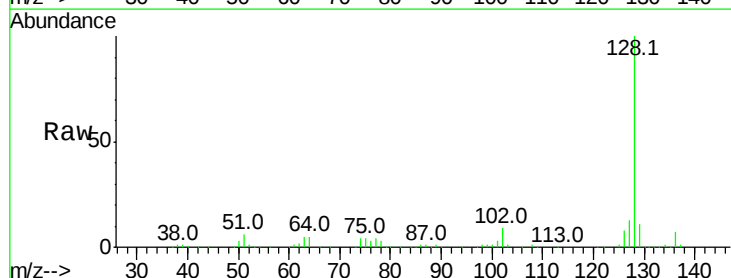
Instrument :
BNA_F
ClientSampled :

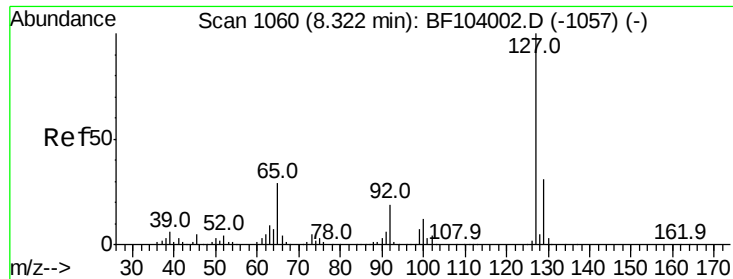
Tot Ion: 82 Resp: 95114
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#31
Naphthalene
Concen: 35.936 ng
RT: 8.26 min Scan# 1050
Delta R.T. -0.00 min
Lab File: BF104155.D
Acq: 3 Apr 2018 2:39

Tgt Ion:128 Resp: 634479
Ion Ratio Lower Upper
128 100
129 10.7 8.8 13.2
127 13.5 10.9 16.3

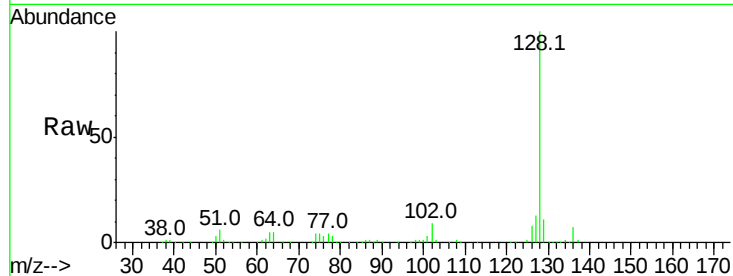




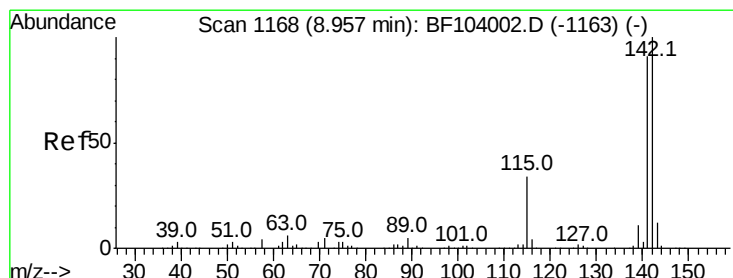
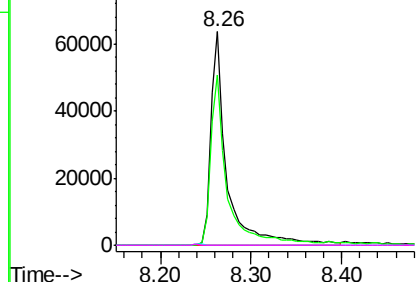
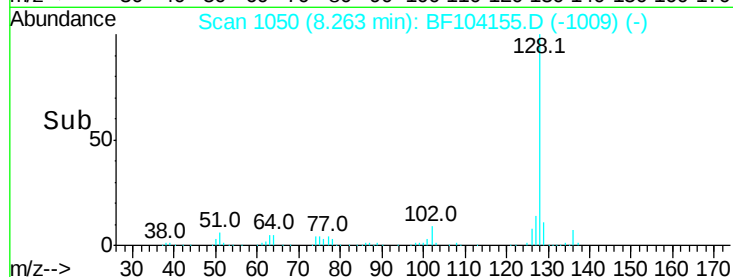
#33
 4-Chloroaniline
 Concen: 10.769 ng
 RT: 8.26 min Scan# 1050
 Delta R.T. -0.06 min
 Lab File: BF104155.D
 Acq: 3 Apr 2018 2:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	127	Resp:	80156
Ion	Ratio	Lower	Upper
127	100		
129	79.6	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#

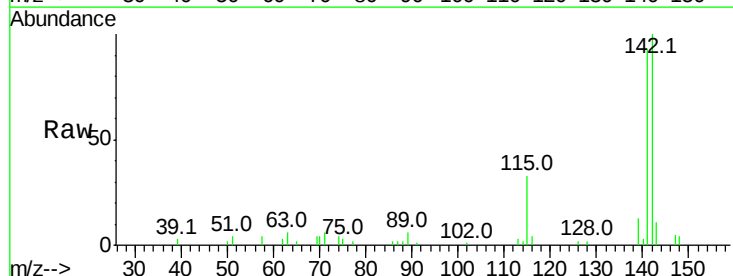


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1

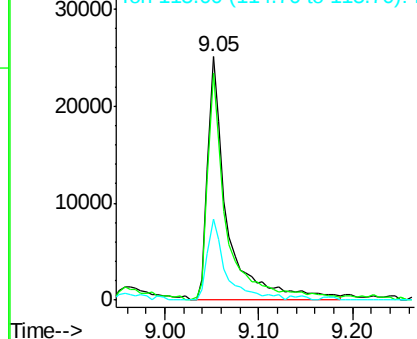
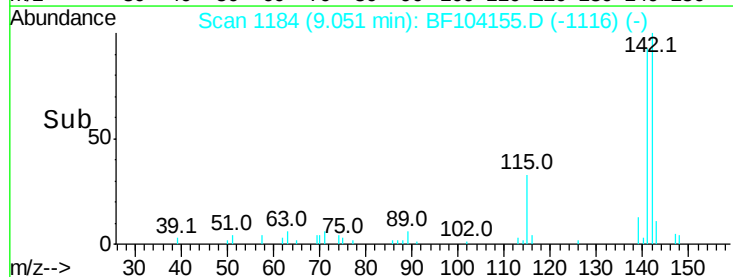


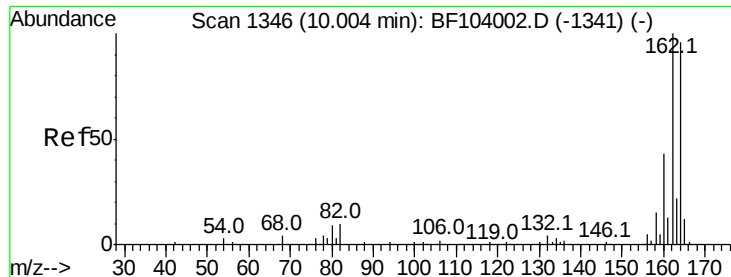
#37
 2-Methylnaphthalene
 Concen: 3.142 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.10 min
 Lab File: BF104155.D
 Acq: 3 Apr 2018 2:39

Tgt Ion:	142	Resp:	36538
Ion	Ratio	Lower	Upper
142	100		
141	93.2	70.8	106.2
115	33.4	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

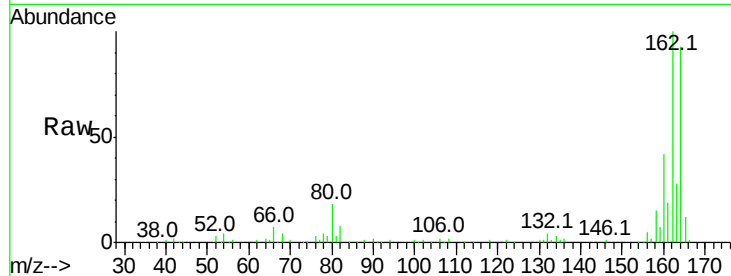




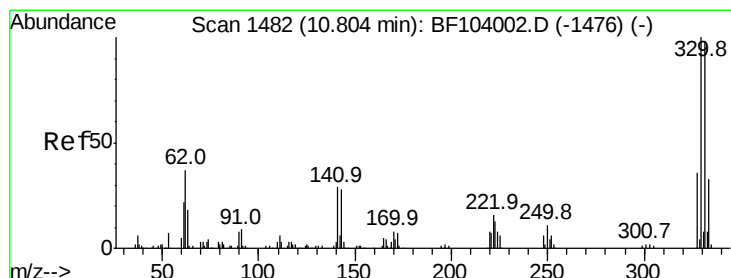
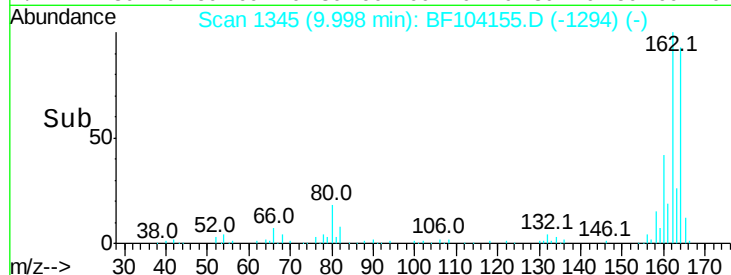
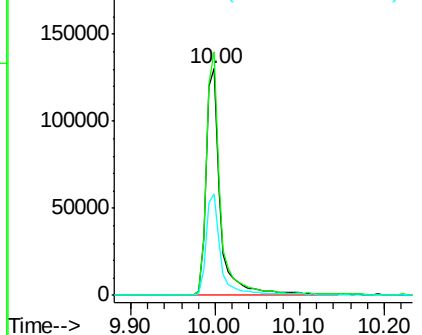
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.00 min
Lab File: BF104155.D
Acq: 3 Apr 2018 2:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 154686
Ion Ratio Lower Upper
164 100
162 107.5 86.1 129.1
160 44.7 38.3 57.5

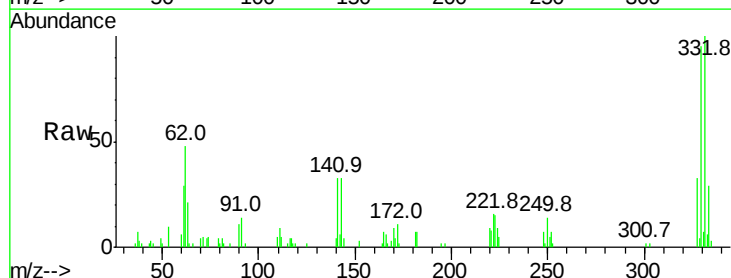


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

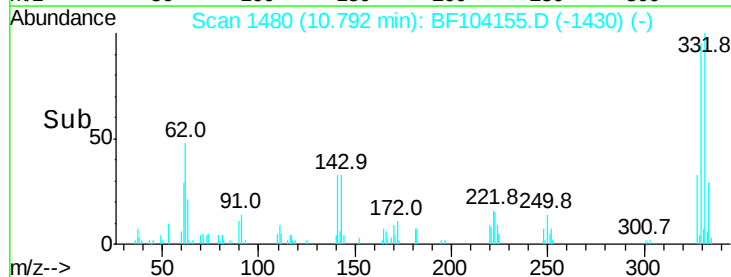
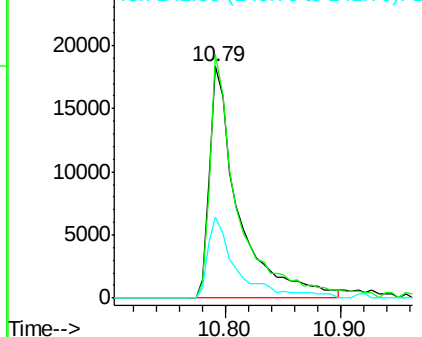


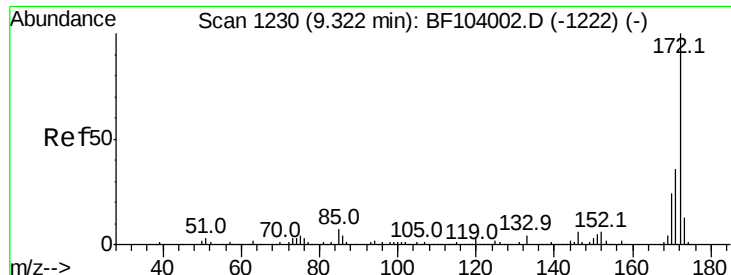
#41
2,4,6-Tribromophenol
Concen: 18.579 ng
RT: 10.79 min Scan# 1480
Delta R.T. -0.01 min
Lab File: BF104155.D
Acq: 3 Apr 2018 2:39

Tgt Ion:330 Resp: 32001
Ion Ratio Lower Upper
330 100
332 103.2 77.0 115.6
141 32.5 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

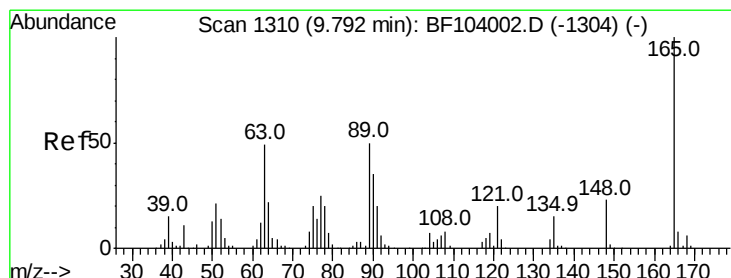
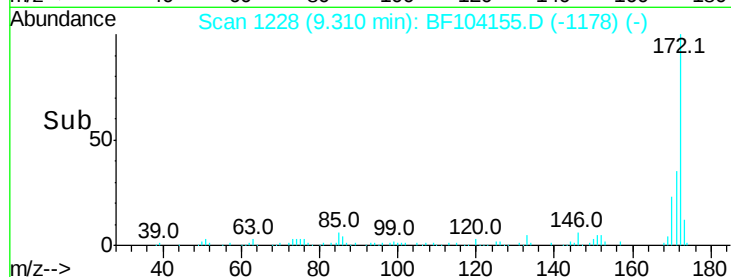
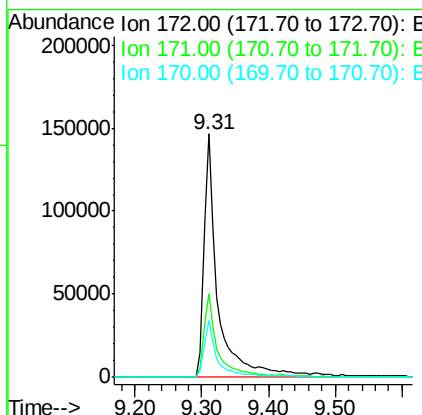
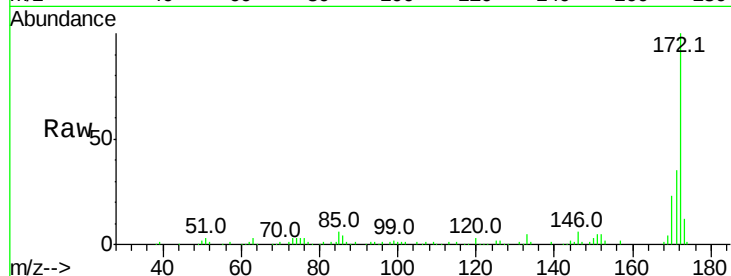




#44
 2-Fluorobiphenyl
 Concen: 21.686 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF104155.D
 Acq: 3 Apr 2018 2:39

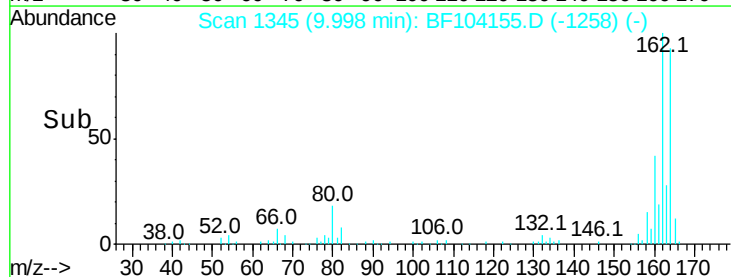
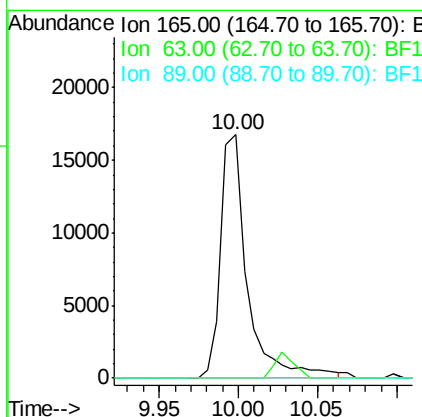
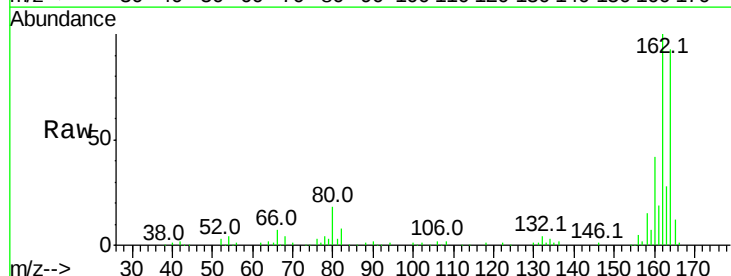
Instrument :
 BNA_F
 ClientSampleId :

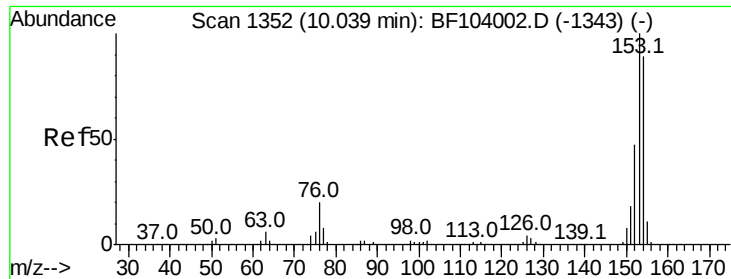
Tot Ion:172 Resp: 212724
 Ion Ratio Lower Upper
 172 100
 171 34.6 29.7 44.5
 170 23.2 19.6 29.4



#50
 2,6-Dinitrotoluene
 Concen: 7.421 ng
 RT: 10.00 min Scan# 1345
 Delta R.T. 0.21 min
 Lab File: BF104155.D
 Acq: 3 Apr 2018 2:39

Tgt Ion:165 Resp: 19498
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 0.0 44.0 66.0#





#51

Acenaphthene

Concen: 2.502 ng

RT: 10.03 min Scan# 1350

Delta R.T. -0.01 min

Lab File: BF104155.D

Acq: 3 Apr 2018 2:39

Instrument :

BNA_F

ClientSampleId :

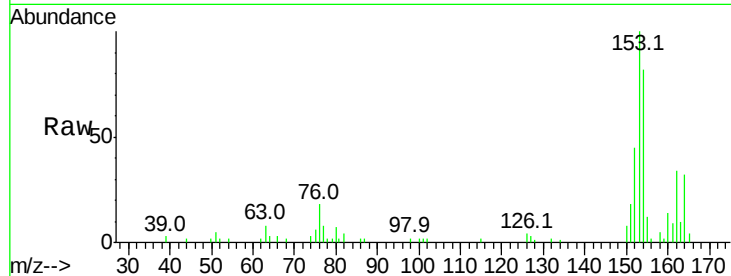
Tot Ion:154 Resp: 22966

Ion Ratio Lower Upper

154 100

153 122.6 91.2 136.8

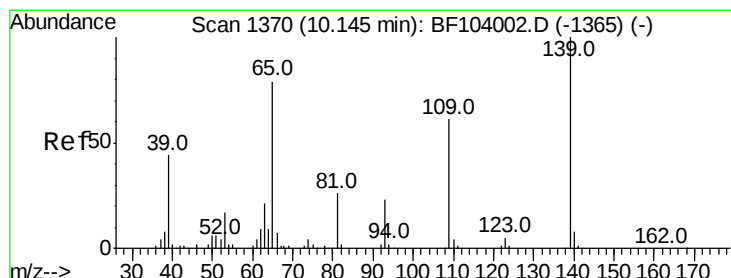
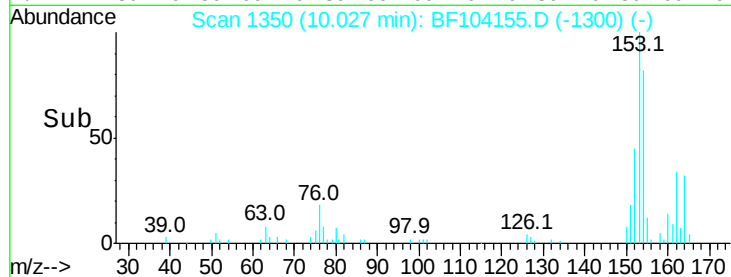
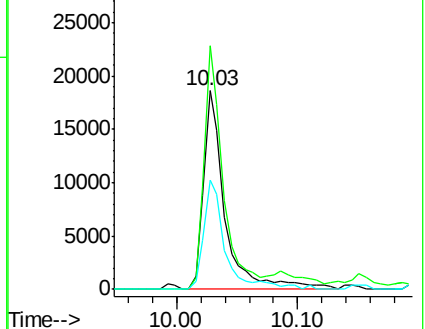
152 55.2 43.8 65.8



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



#55

4-Nitrophenol

Concen: 5.231 ng

RT: 10.21 min Scan# 1381

Delta R.T. 0.07 min

Lab File: BF104155.D

Acq: 3 Apr 2018 2:39

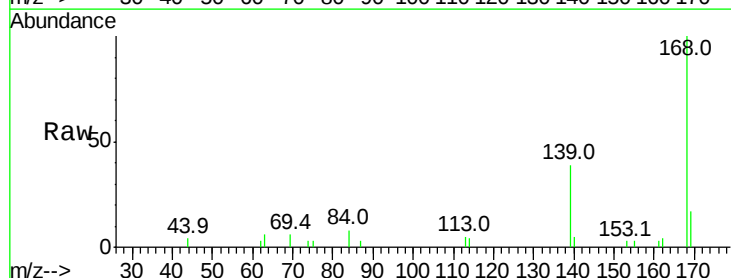
Tgt Ion:139 Resp: 9473

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

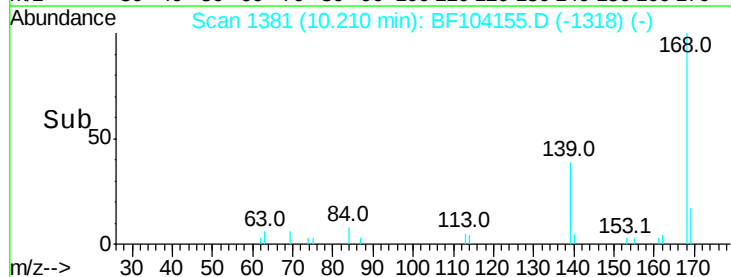
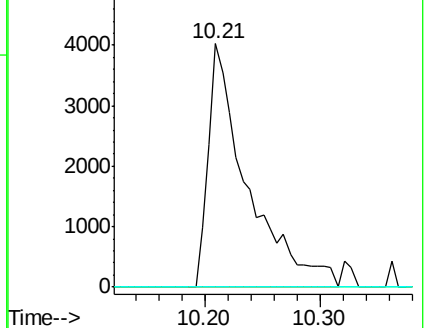
65 0.0 72.6 112.6#

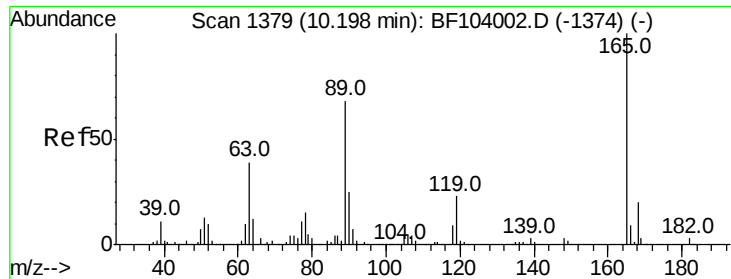


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

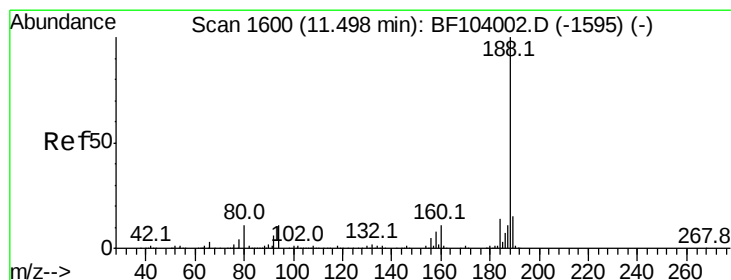
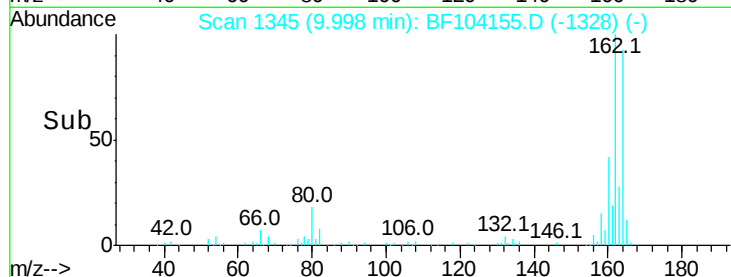
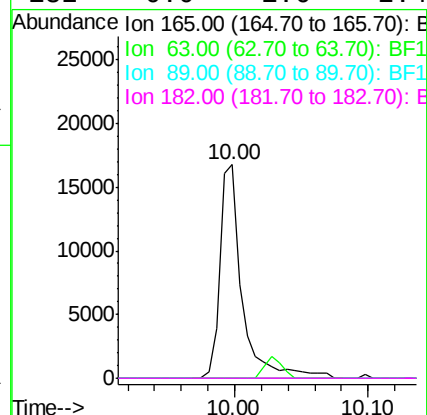
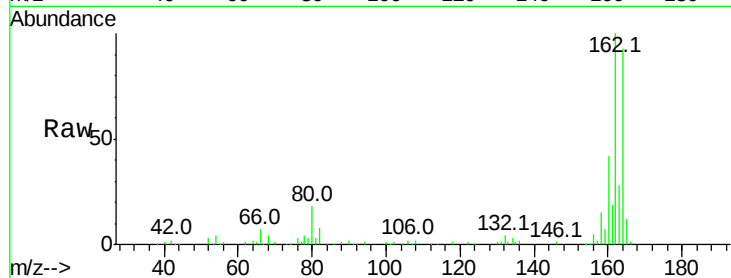




#56
 2,4-Dinitrotoluene
 Concen: 5.855 ng
 RT: 10.00 min Scan# 1345
 Delta R.T. -0.20 min
 Lab File: BF104155.D
 Acq: 3 Apr 2018 2:39

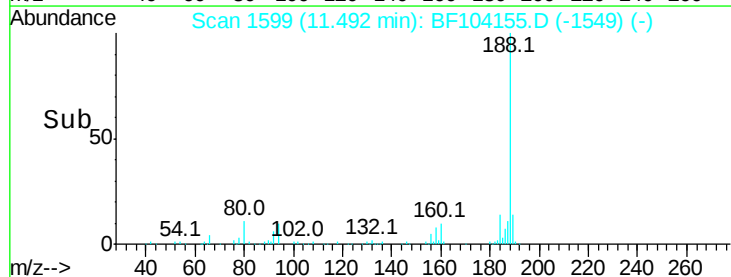
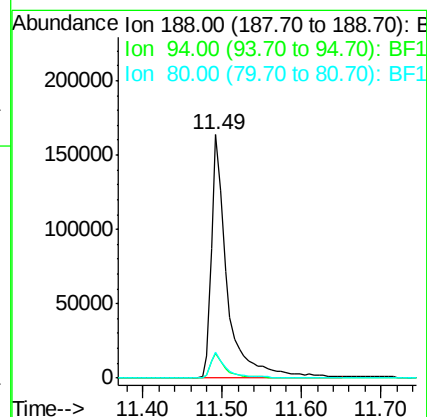
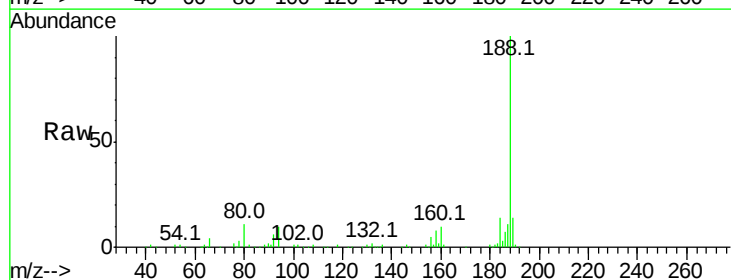
Instrument :
 BNA_F
 ClientSampleId :

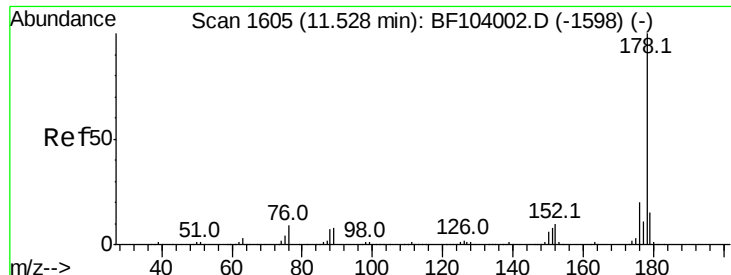
Tot Ion:	165	Resp:	19629
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: BF104155.D
 Acq: 3 Apr 2018 2:39

Tgt Ion:	188	Resp:	229672
Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.5	12.7
80	10.6	9.2	13.8

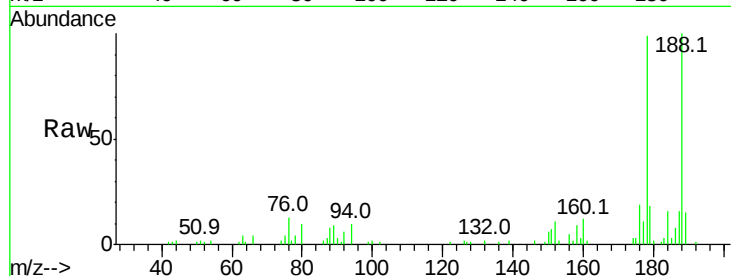




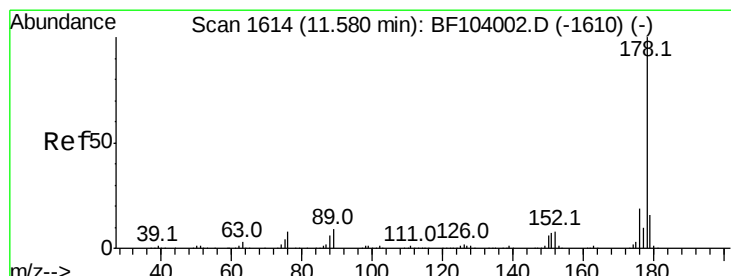
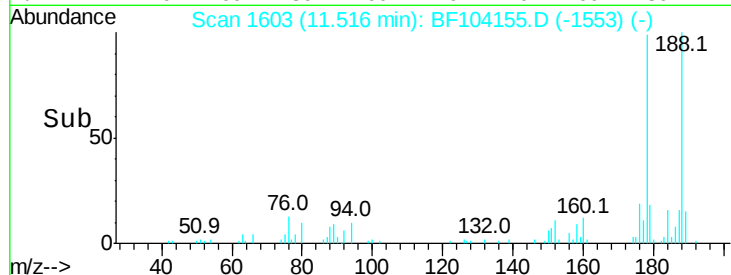
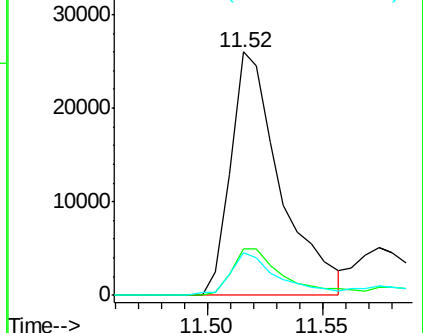
#70
Phenanthrene
Concen: 3.133 ng
RT: 11.52 min Scan# 1603
Delta R.T. -0.01 min
Lab File: BF104155.D
Acq: 3 Apr 2018 2:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 38963
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 17.7 13.0 19.6

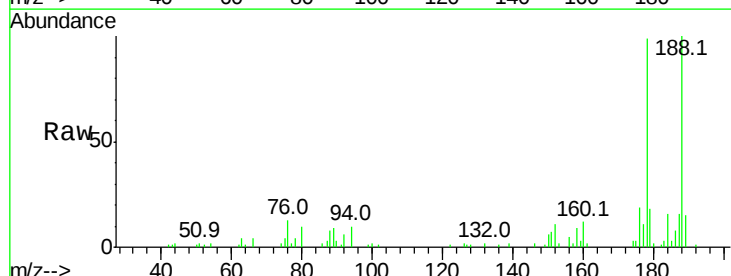


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

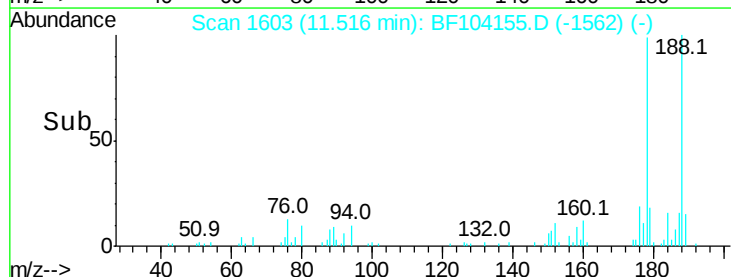
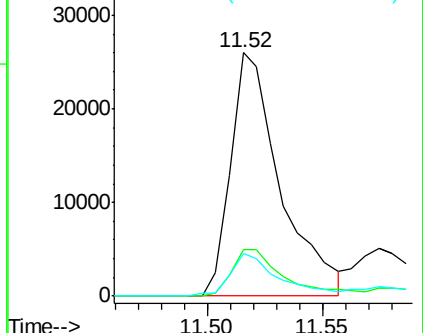


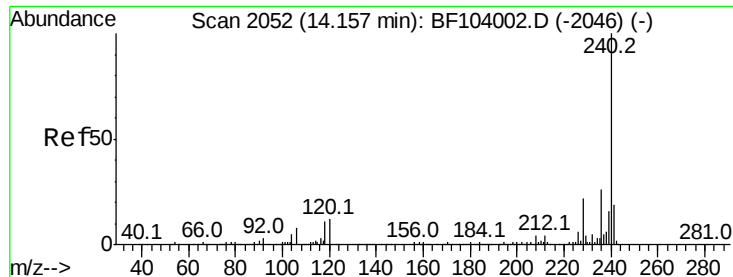
#71
Anthracene
Concen: 3.000 ng
RT: 11.52 min Scan# 1603
Delta R.T. -0.06 min
Lab File: BF104155.D
Acq: 3 Apr 2018 2:39

Tgt Ion:178 Resp: 38963
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 17.7 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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BF104155.D

Acq: 3 Apr 2018 2:39

Instrument :

BNA_F

ClientSampleId :

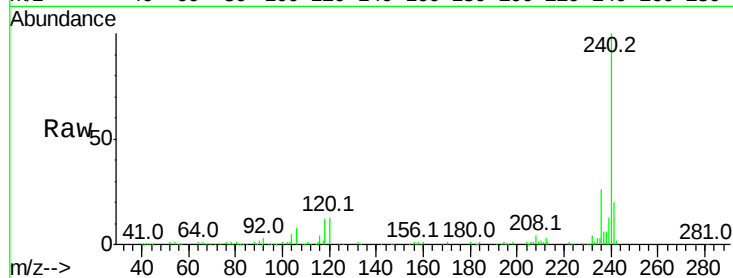
Tot Ion:240 Resp: 205564

Ion Ratio Lower Upper

240 100

120 12.8 9.5 14.3

236 25.6 20.7 31.1

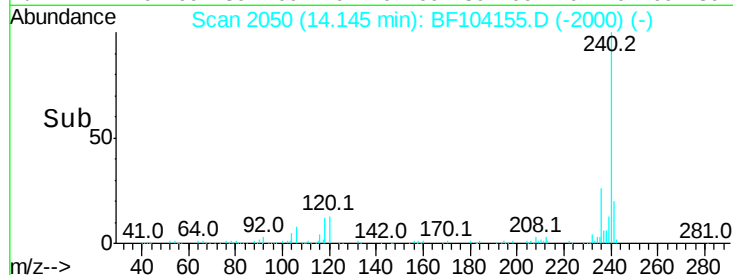


Abundance Ion 240.00 (239.70 to 240.70): E

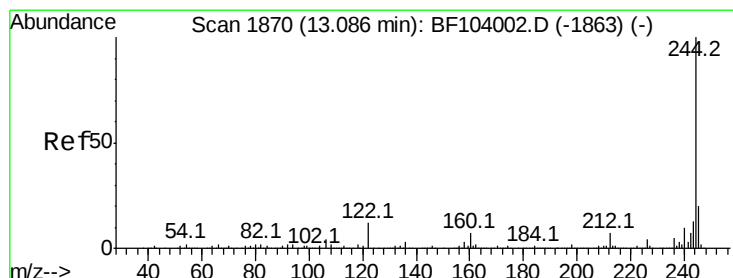
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

14.14



Time-->



#78

Terphenyl-d14

Concen: 15.511 ng

RT: 13.07 min Scan# 1868

Delta R.T. -0.01 min

Lab File: BF104155.D

Acq: 3 Apr 2018 2:39

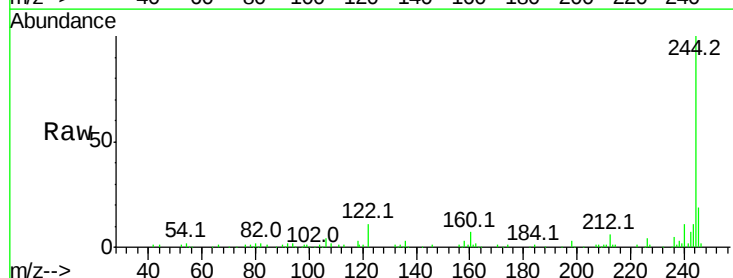
Tgt Ion:244 Resp: 138096

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 11.5 11.0 16.4

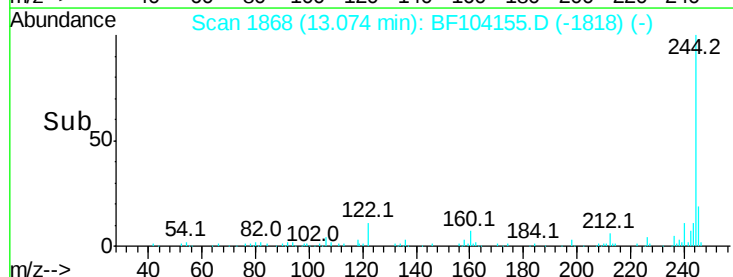


Abundance Ion 244.00 (243.70 to 244.70): E

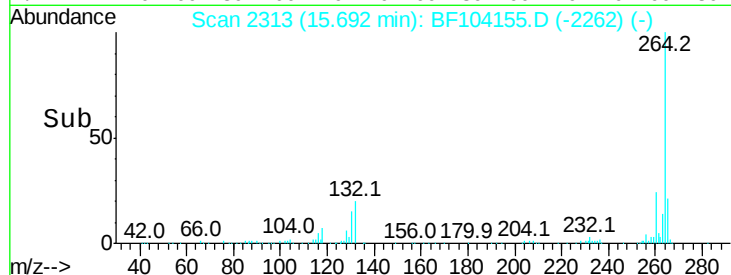
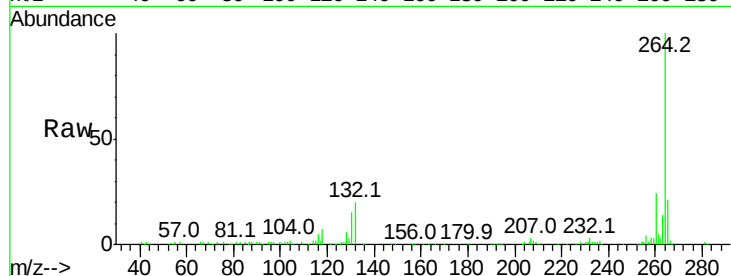
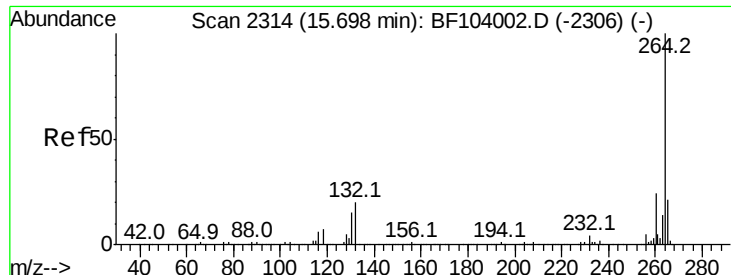
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

13.07



Time-->



#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: BF104155.D
 Acq: 3 Apr 2018 2:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	191610
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.2	28.8
265	21.3	17.5	26.3

