

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040418\
 Data File : BF104257.D
 Acq On : 5 Apr 2018 6:19
 Operator : JU/SJ
 Sample : J2202-03
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 05 07:43:33 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 04 18:06:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	114142	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	495289	20.00	ng	0.00
38) Acenaphthene-d10	9.99	164	216598	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	335405	20.00	ng	0.00
75) Chrysene-d12	14.14	240	232717	20.00	ng	0.00
86) Perylene-d12	15.67	264	211566	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	775302	108.32	ng	0.00
7) Phenol-d6	6.59	99	1083950	123.10	ng	-0.01
23) Nitrobenzene-d5	7.52	82	625184	77.19	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	235306	97.56	ng	0.00
44) 2-Fluorobiphenyl	9.30	172	1169596	85.15	ng	0.00
78) Terphenyl-d14	13.06	244	821976	81.55	ng	0.00

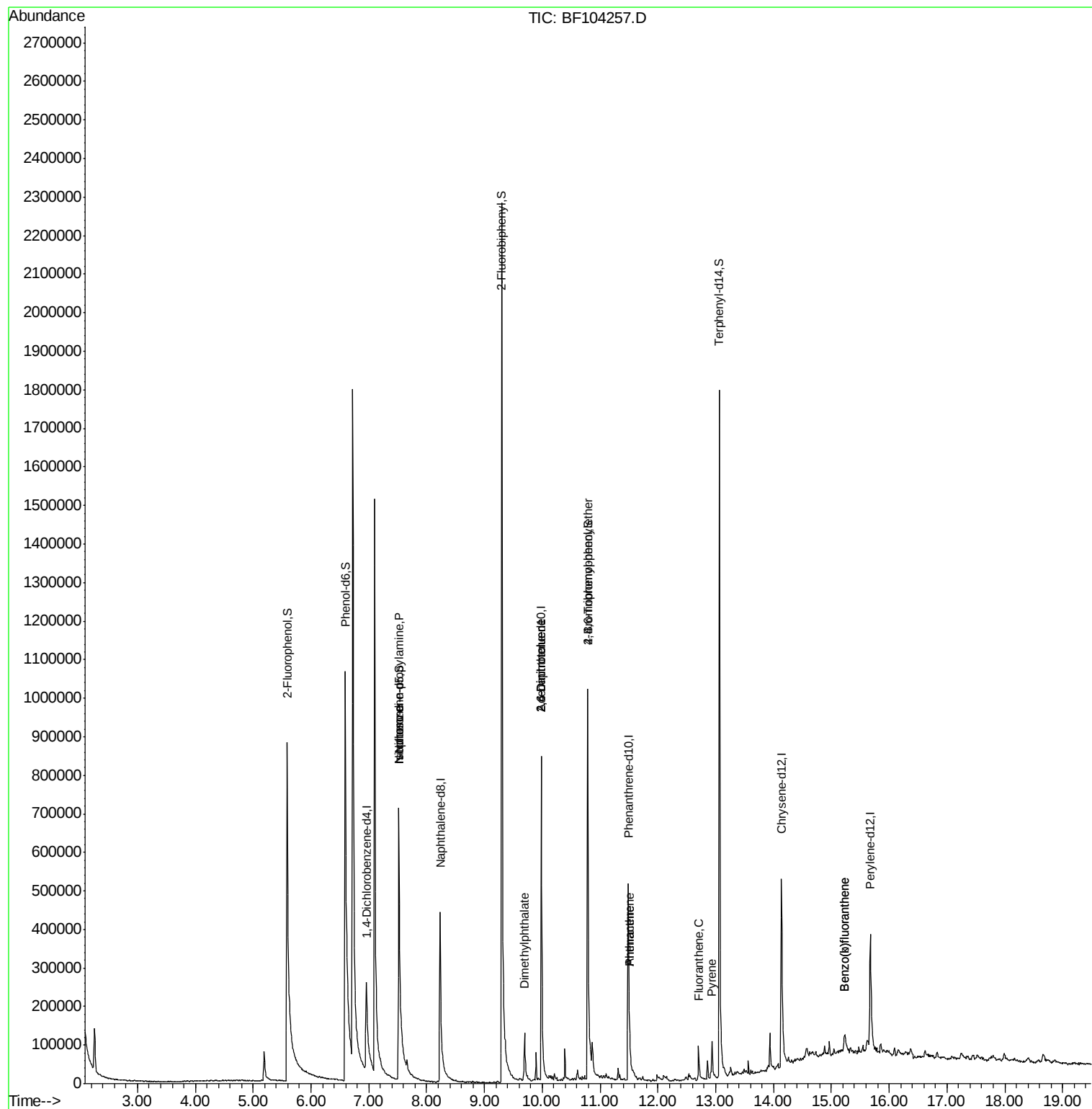
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.60	77	1149	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.52	70	71578	13.697	ng	# 72
25) Isophorone	7.52	82	634451	42.508	ng	# 64
49) Dimethylphthalate	9.69	163	89159	5.214	ng	# 99
50) 2,6-Dinitrotoluene	9.99	165	26468	7.194	ng	# 26
56) 2,4-Dinitrotoluene	9.99	165	26981	5.747	ng	# 23
66) 4-Bromophenyl-phenylether	10.79	248	13229	3.687	ng	# 1
70) Phenanthrene	11.51	178	38107	2.098	ng	# 98
71) Anthracene	11.51	178	38107	2.009	ng	# 99
74) Fluoranthene	12.70	202	57696	2.989	ng	# 98
77) Pyrene	12.94	202	51601	3.085	ng	# 96
87) Benzo(b)fluoranthene	15.22	252	38903	3.021	ng	# 88
88) Benzo(k)fluoranthene	15.22	252	38903	3.207	ng	# 91

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

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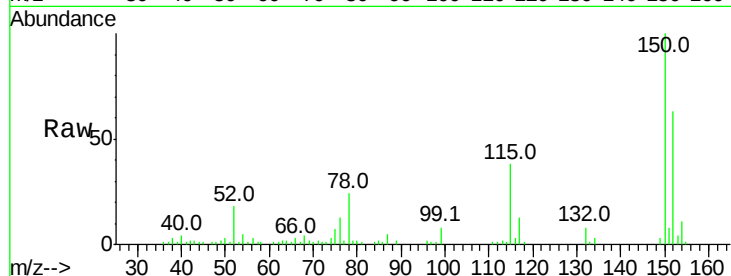


#1

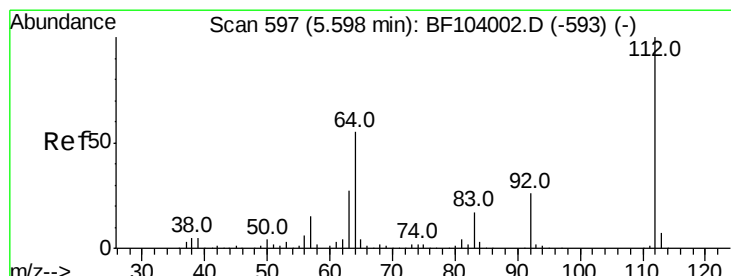
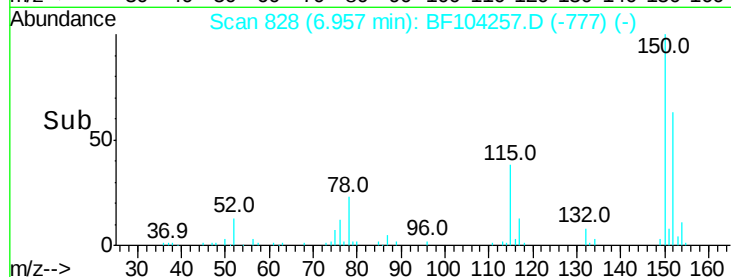
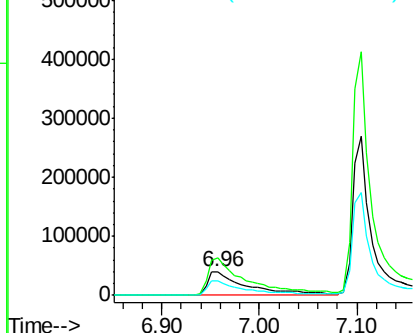
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.00 min
Lab File: BF104257.D
Acq: 5 Apr 2018 6:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 114142
Ion Ratio Lower Upper
152 100
150 158.9 124.6 186.8
115 60.5 50.1 75.1



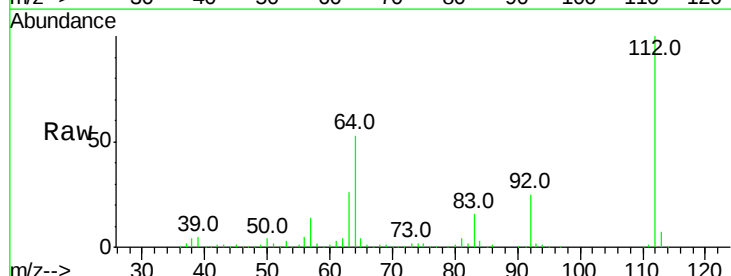
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



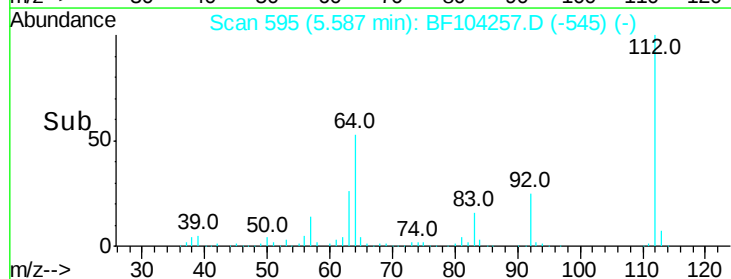
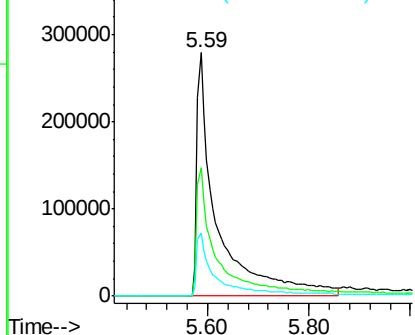
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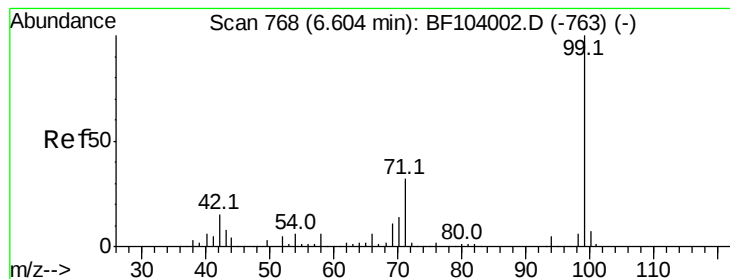
2-Fluorophenol
Concen: 108.322 ng
RT: 5.59 min Scan# 595
Delta R.T. -0.01 min
Lab File: BF104257.D
Acq: 5 Apr 2018 6:19

Tgt Ion:112 Resp: 775302
Ion Ratio Lower Upper
112 100
64 52.9 47.9 71.9
63 26.2 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: 123.096 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF104257.D

Acq: 5 Apr 2018 6:19

Instrument :

BNA_F

ClientSampleId :

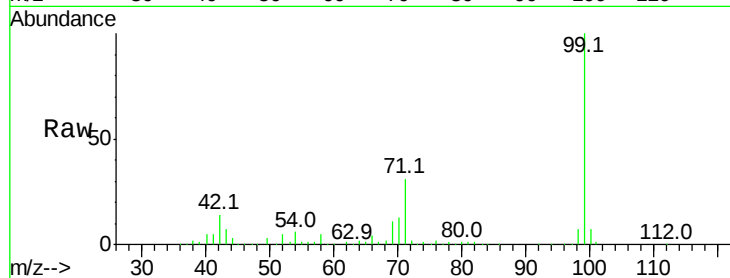
Tot Ion: 99 Resp: 1083950

Ion Ratio Lower Upper

99 100

42 14.1 14.5 21.7#

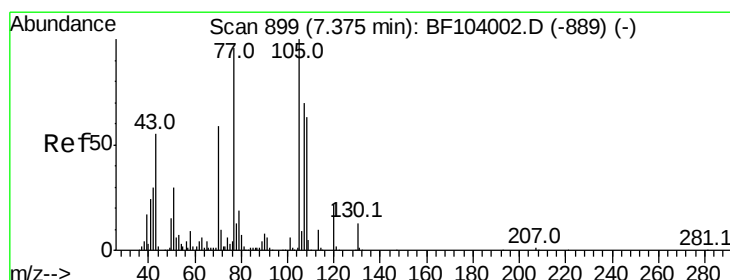
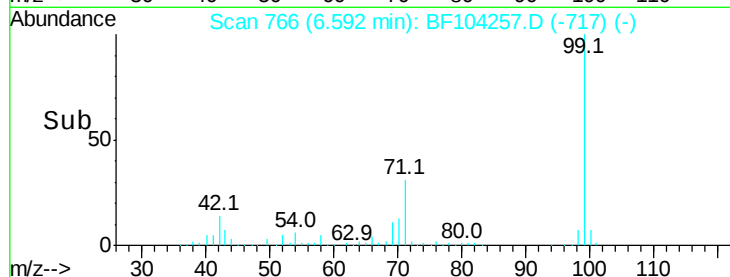
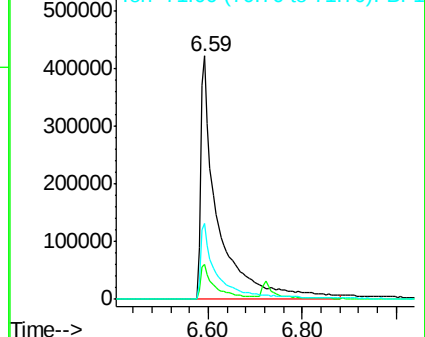
71 31.0 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.697 ng

RT: 7.52 min Scan# 923

Delta R.T. 0.16 min

Lab File: BF104257.D

Acq: 5 Apr 2018 6:19

Tgt Ion: 70 Resp: 71578

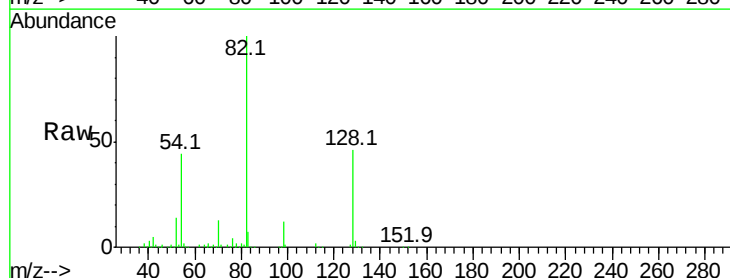
Ion Ratio Lower Upper

70 100

42 41.0 47.5 71.3#

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

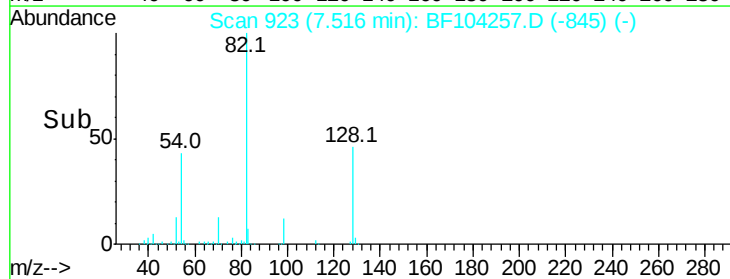
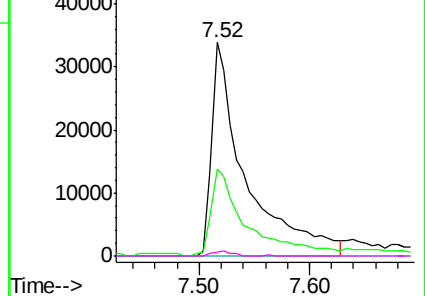


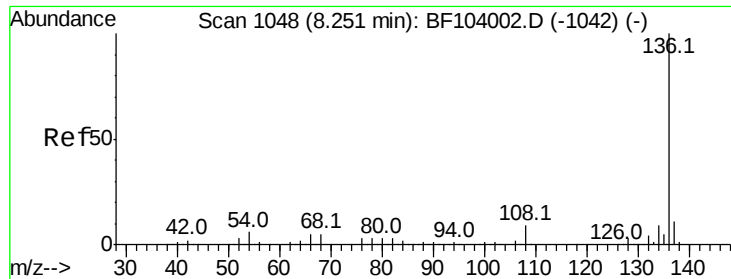
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

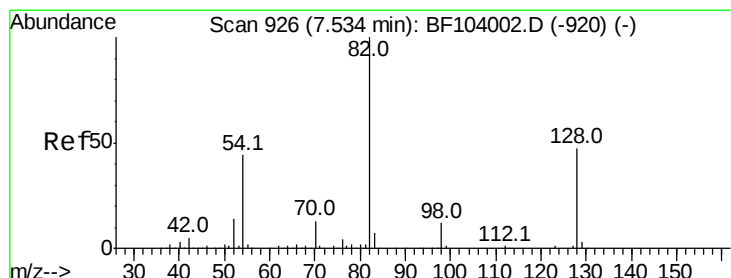
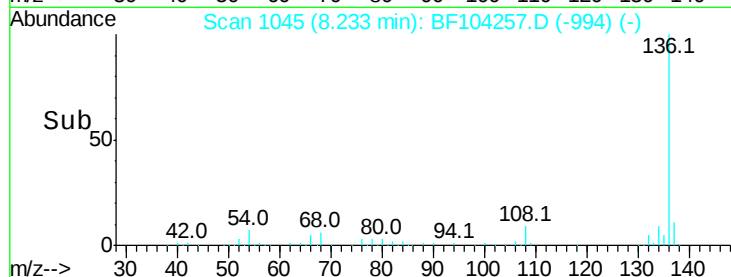
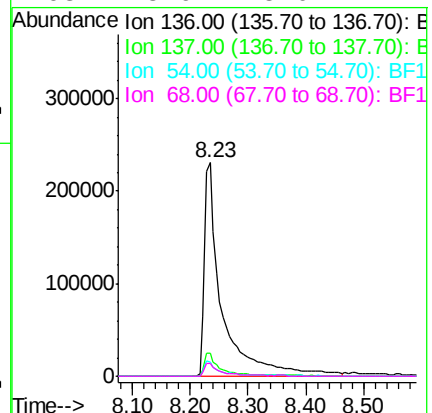
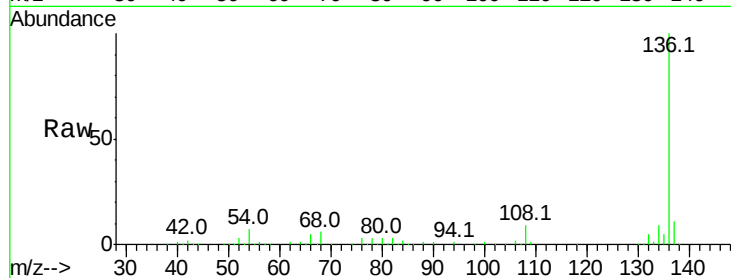




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1045
Delta R.T. -0.00 min
Lab File: BF104257.D
Acq: 5 Apr 2018 6:19

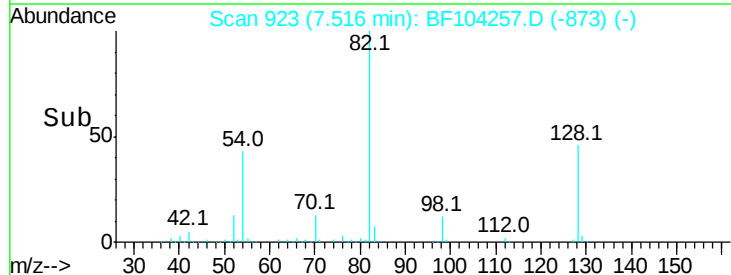
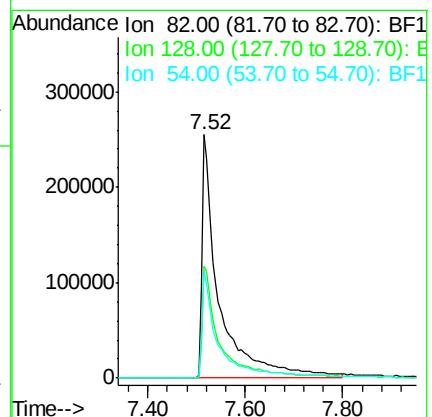
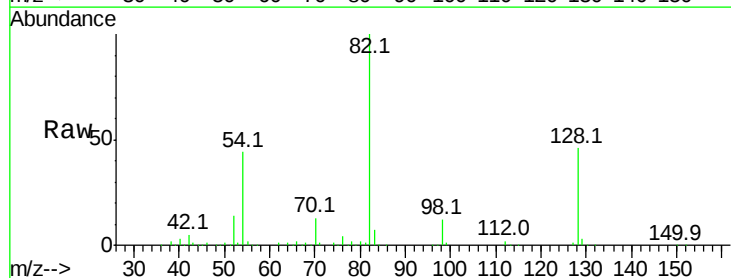
Instrument :
BNA_F
ClientSampleId :

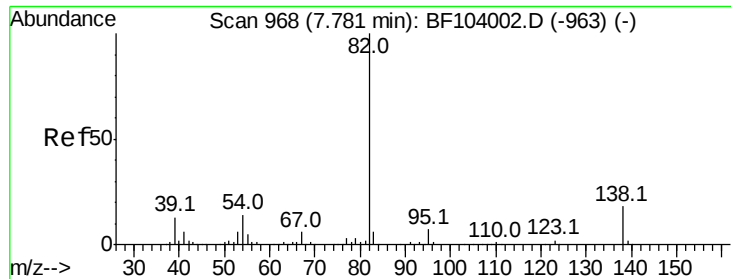
Tot Ion:136	Resp: 495289
Ion Ratio	Lower Upper
136 100	
137 10.6	8.9 13.3
54 6.9	6.6 9.8
68 5.9	5.0 7.4



#23
Nitrobenzene-d5
Concen: 77.194 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.01 min
Lab File: BF104257.D
Acq: 5 Apr 2018 6:19

Tgt Ion	82	Resp: Lower	625184 Upper
	Ratio 100		
128	46.1	36.1	54.1
54	43.6	41.4	62.2

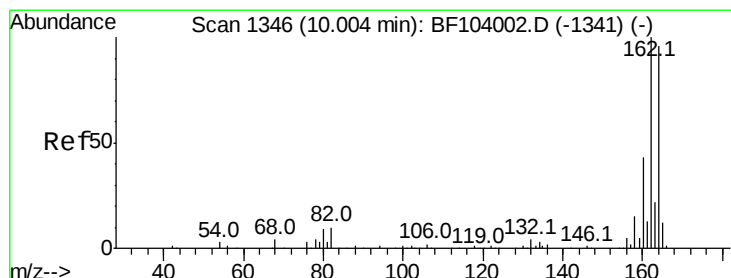
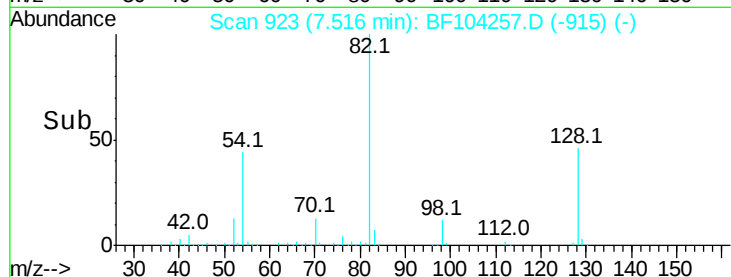
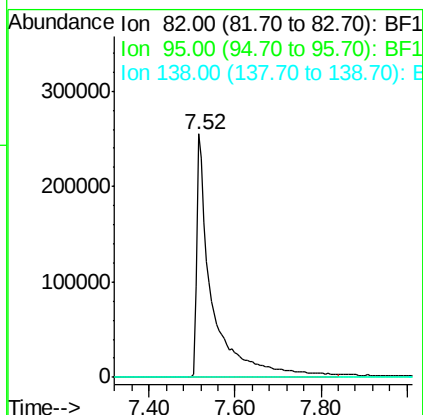
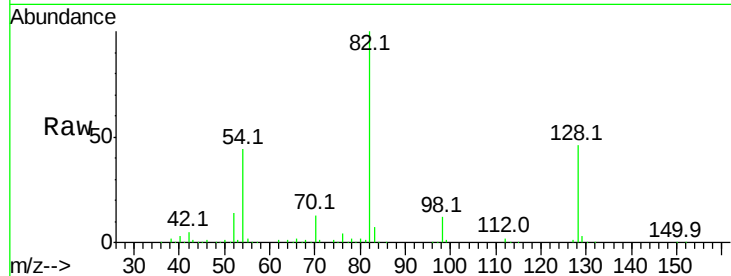




#25
Isophorone
Concen: 42.508 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.25 min
Lab File: BF104257.D
Acq: 5 Apr 2018 6:19

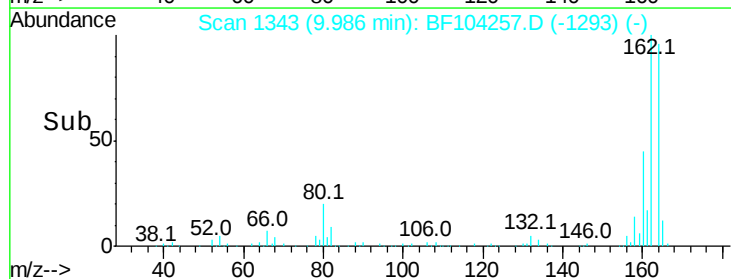
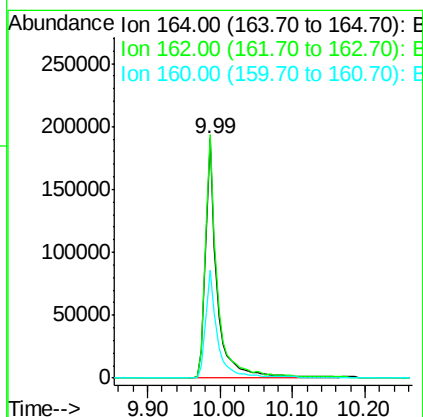
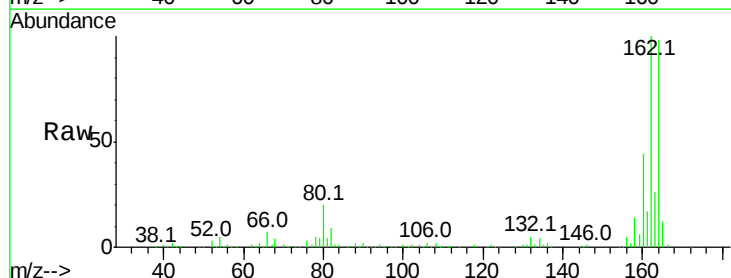
Instrument :
BNA_F
ClientSampleId :

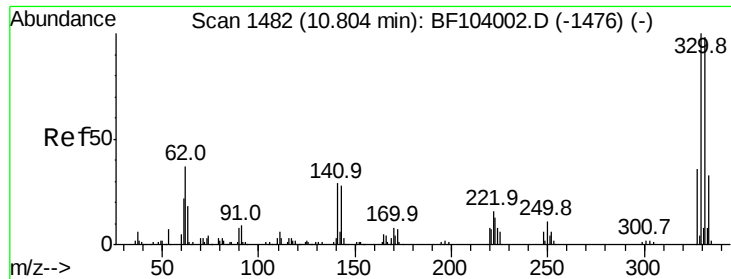
Tot Ion: 82 Resp: 634451
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF104257.D
Acq: 5 Apr 2018 6:19

Tgt Ion:164 Resp: 216598
Ion Ratio Lower Upper
164 100
162 101.6 86.1 129.1
160 45.2 38.3 57.5

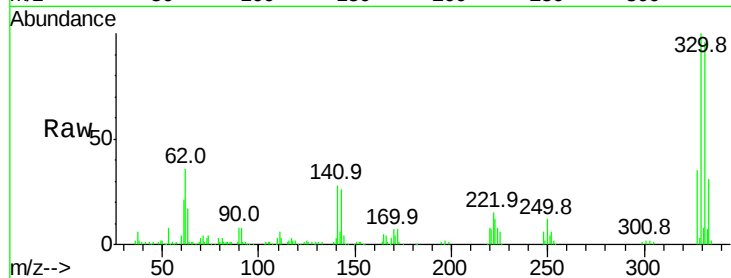




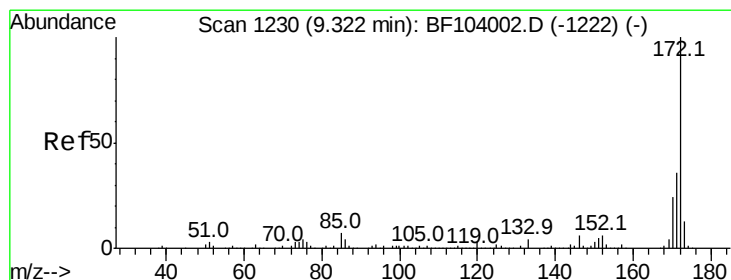
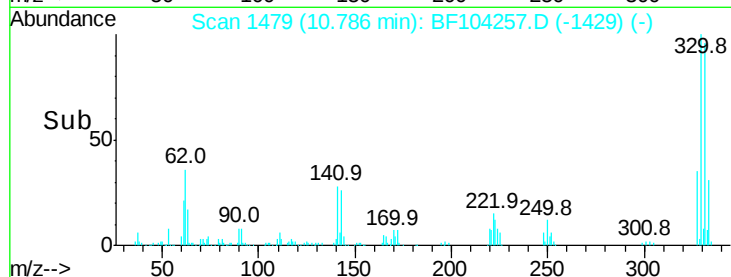
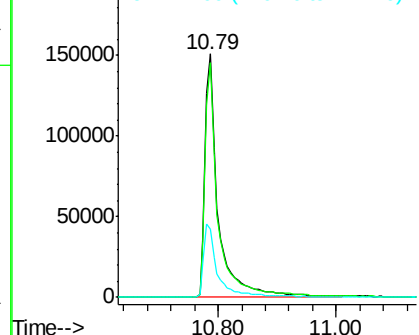
#41
 2,4,6-Tribromophenol
 Concen: 97.564 ng
 RT: 10.79 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: BF104257.D
 Acq: 5 Apr 2018 6:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	32.1	29.9	44.9

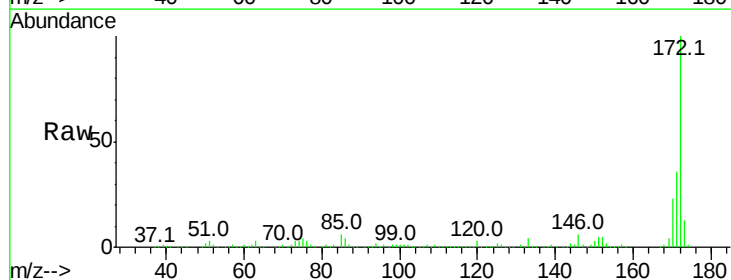


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

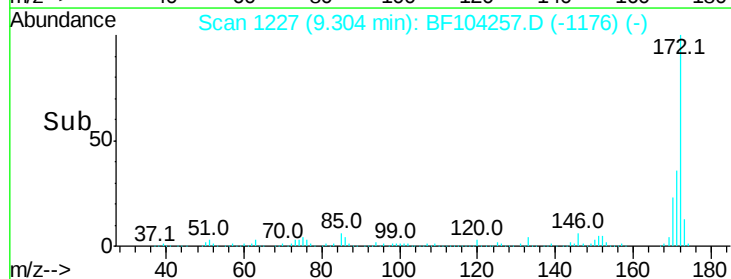
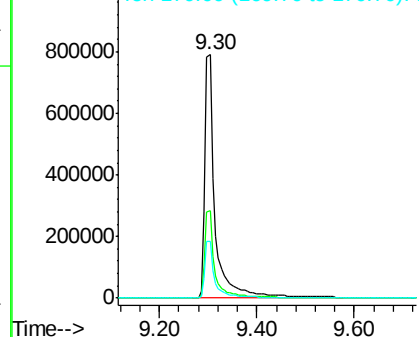


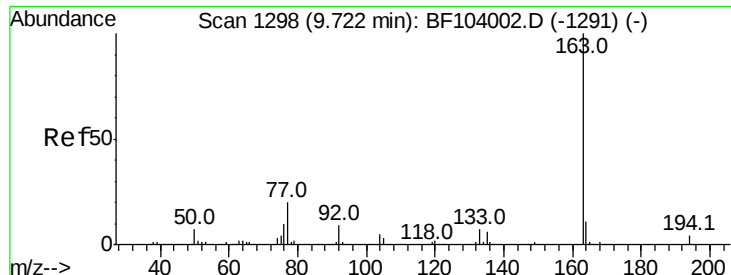
#44
 2-Fluorobiphenyl
 Concen: 85.151 ng
 RT: 9.30 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: BF104257.D
 Acq: 5 Apr 2018 6:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.1	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

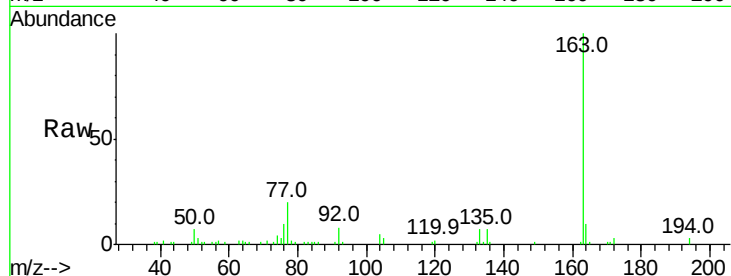




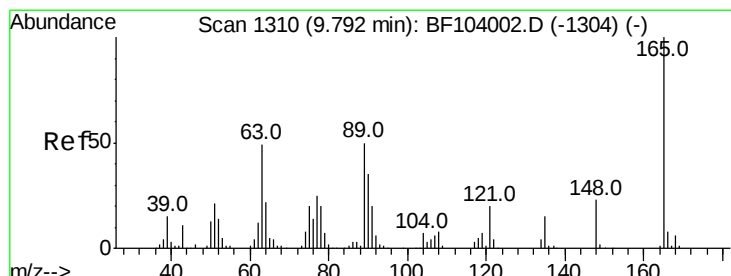
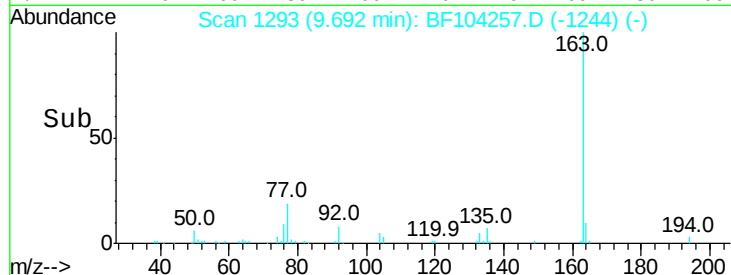
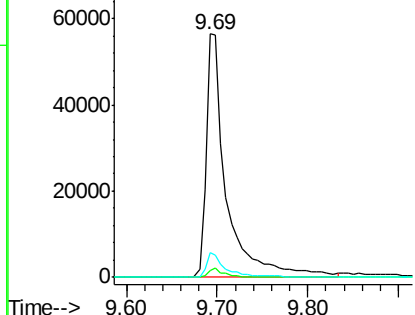
#49
 Dimethylphthalate
 Concen: 5.214 ng
 RT: 9.69 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: BF104257.D
 Acq: 5 Apr 2018 6:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:163 Resp: 89159
 Ion Ratio Lower Upper
 163 100
 194 2.7 2.7 4.1
 164 10.0 8.2 12.2

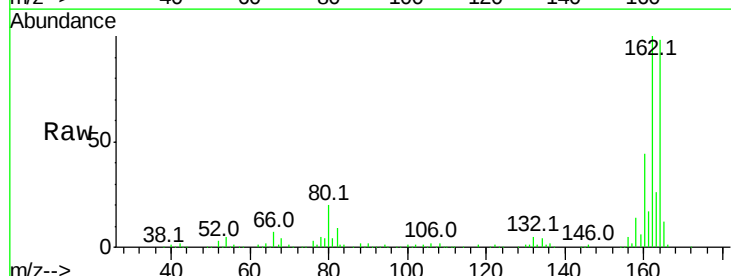


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

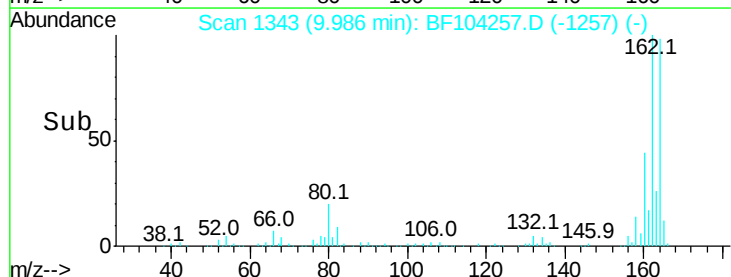
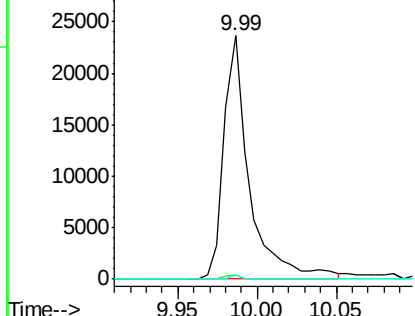


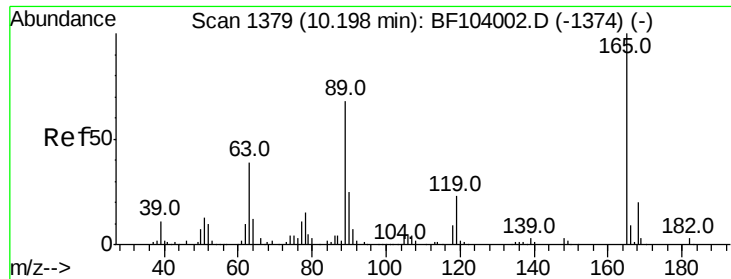
#50
 2,6-Dinitrotoluene
 Concen: 7.194 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. 0.21 min
 Lab File: BF104257.D
 Acq: 5 Apr 2018 6:19

Tgt Ion:165 Resp: 26468
 Ion Ratio Lower Upper
 165 100
 63 1.5 44.7 67.1#
 89 1.5 44.0 66.0#



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

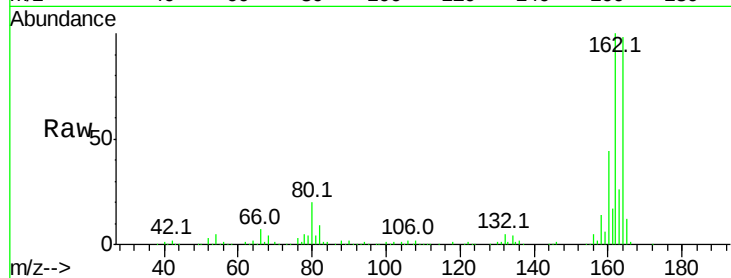




#56
 2,4-Dinitrotoluene
 Concen: 5.747 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. -0.21 min
 Lab File: BF104257.D
 Acq: 5 Apr 2018 6:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#

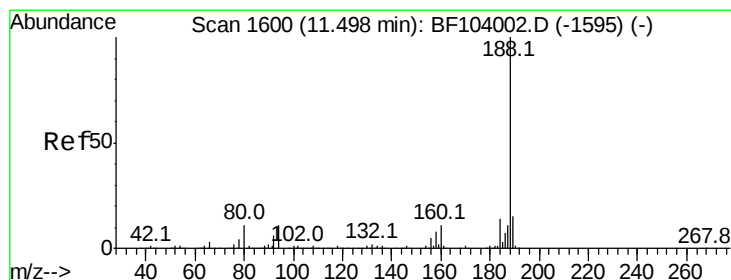
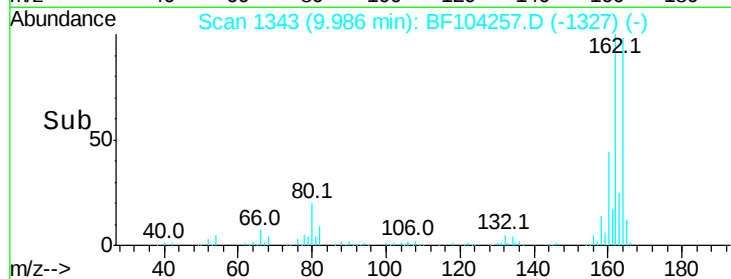
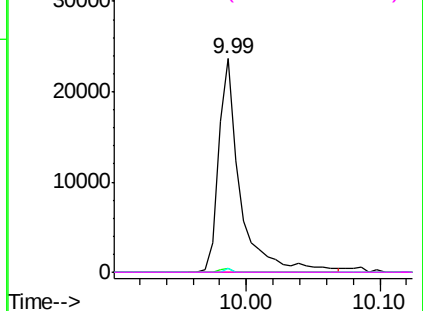


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

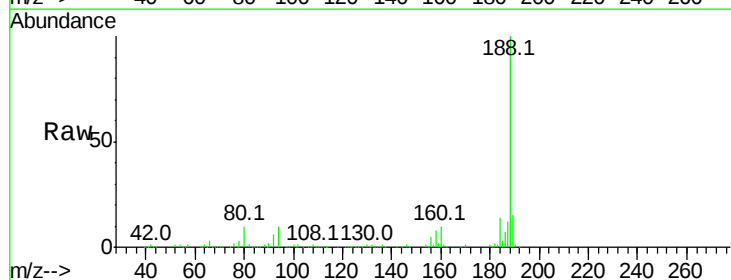
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.00 min
 Lab File: BF104257.D
 Acq: 5 Apr 2018 6:19

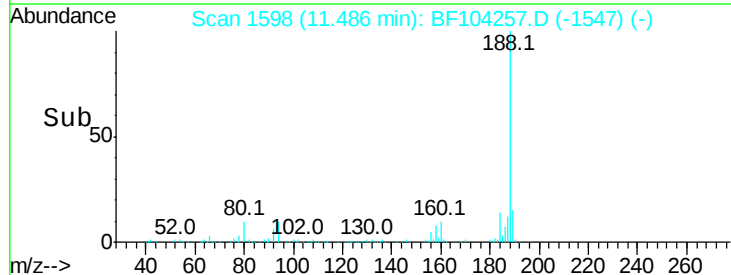
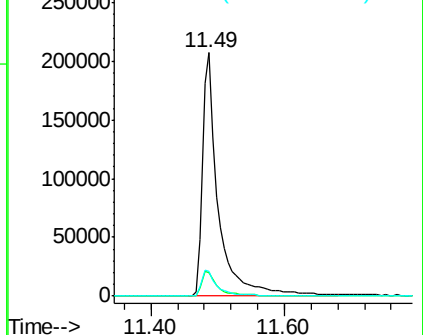
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.5	12.7
80	10.3	9.2	13.8

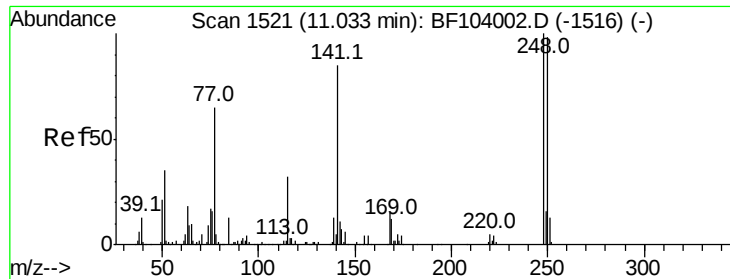


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

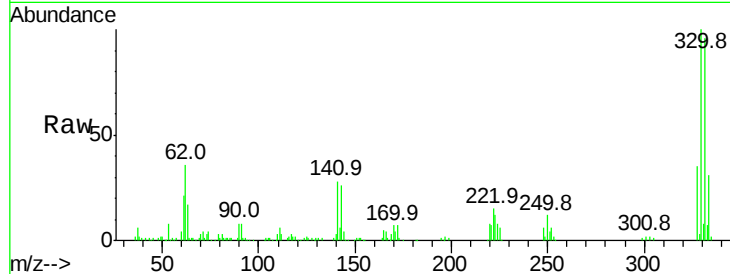




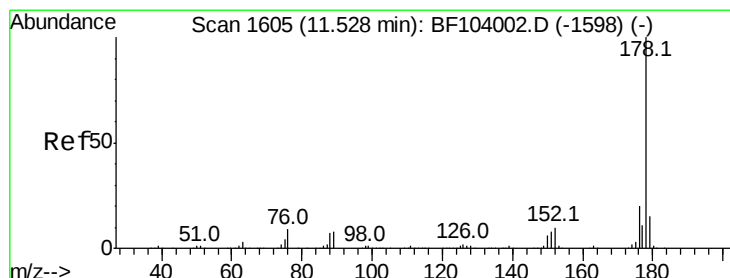
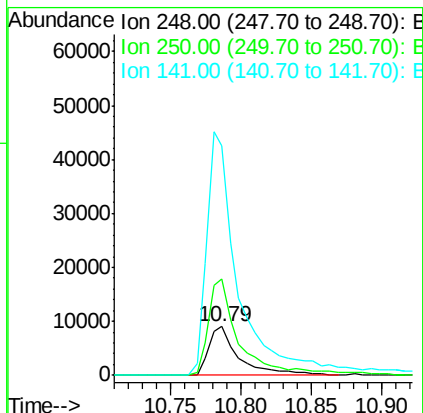
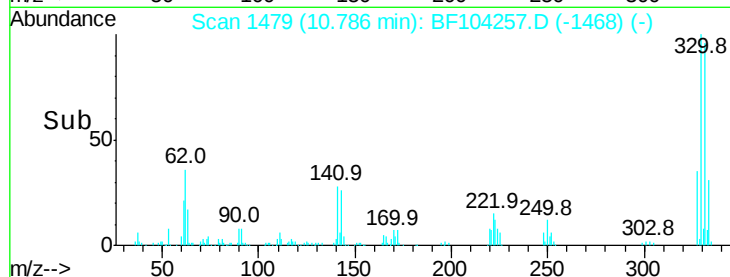
#66
4-Bromophenyl-phenylether
Concen: 3.687 ng
RT: 10.79 min Scan# 1479
Delta R.T. -0.24 min
Lab File: BF104257.D
Acq: 5 Apr 2018 6:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 13229
Ion Ratio Lower Upper
248 100
250 197.7 76.9 115.3#
141 471.3 74.4 111.6#

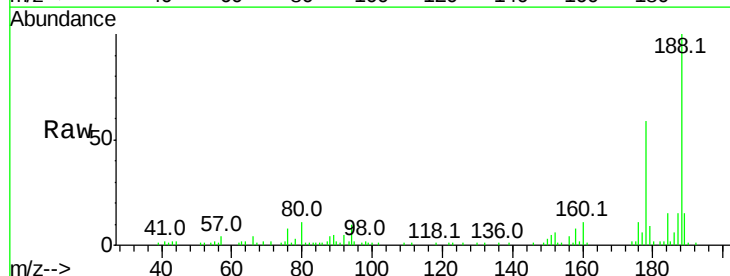


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

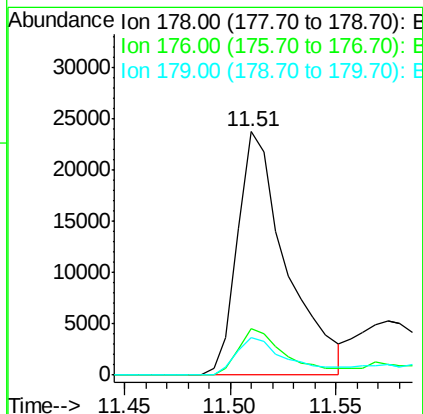
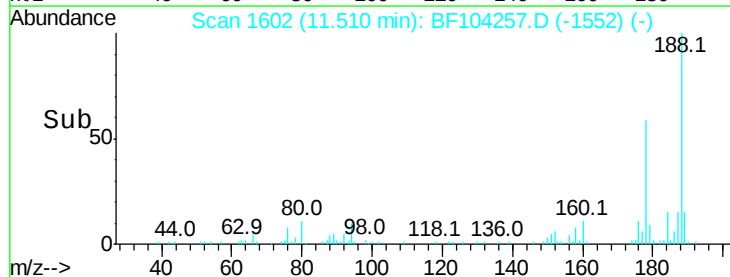


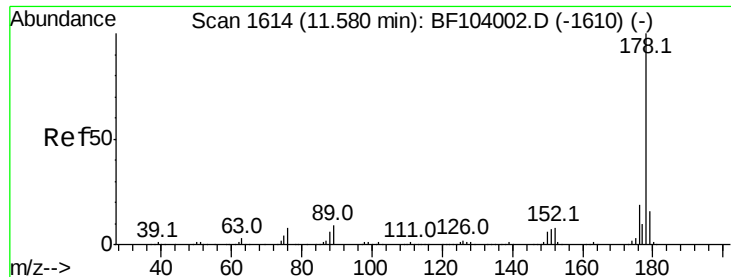
#70
Phenanthrene
Concen: 2.098 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.01 min
Lab File: BF104257.D
Acq: 5 Apr 2018 6:19

Tgt Ion:178 Resp: 38107
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 15.7 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: 2.009 ng

RT: 11.51 min Scan# 1602

Delta R.T. -0.06 min

Lab File: BF104257.D

Acq: 5 Apr 2018 6:19

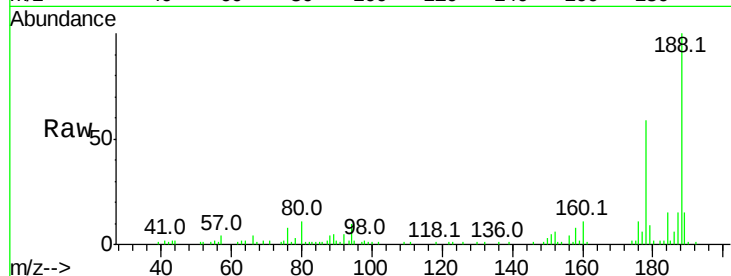
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 38107

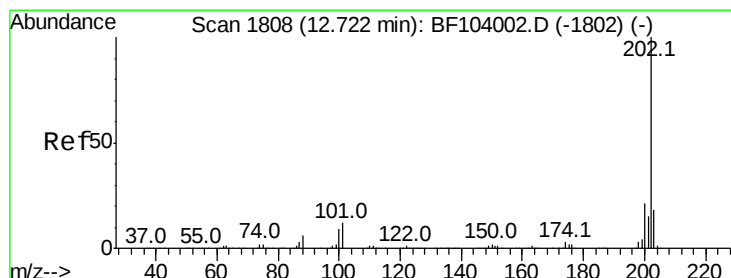
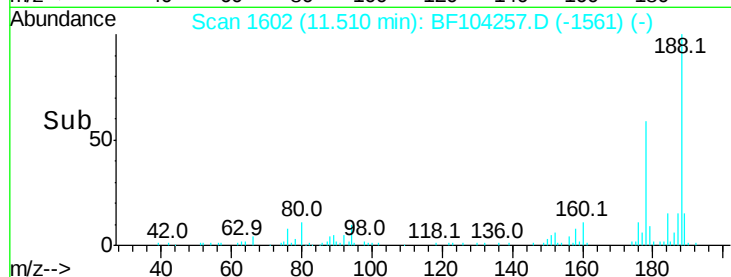
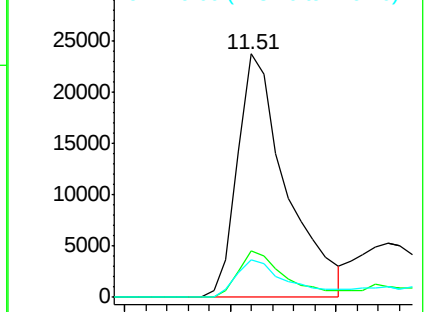
Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.7	12.6	19.0



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



#74

Fluoranthene

Concen: 2.989 ng

RT: 12.70 min Scan# 1805

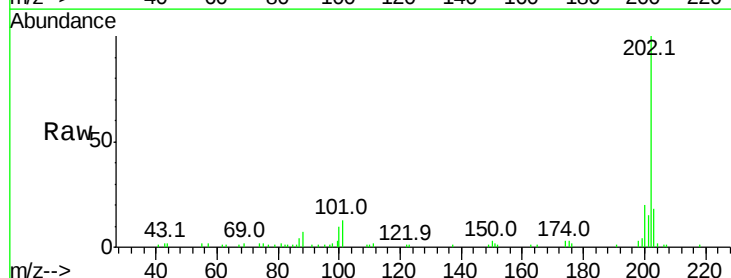
Delta R.T. -0.00 min

Lab File: BF104257.D

Acq: 5 Apr 2018 6:19

Tgt Ion:202 Resp: 57696

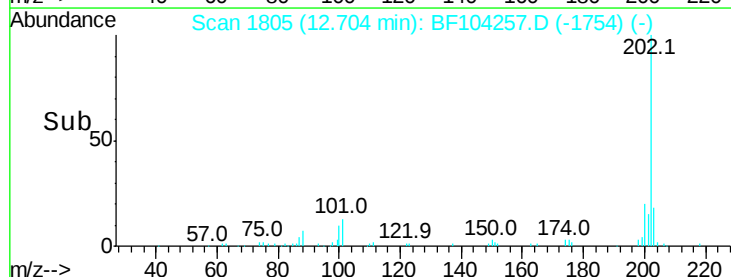
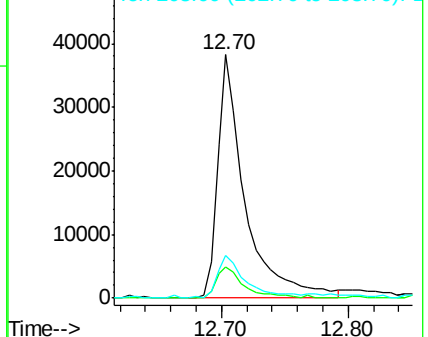
Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	34.1
203	17.6	0.0	38.1

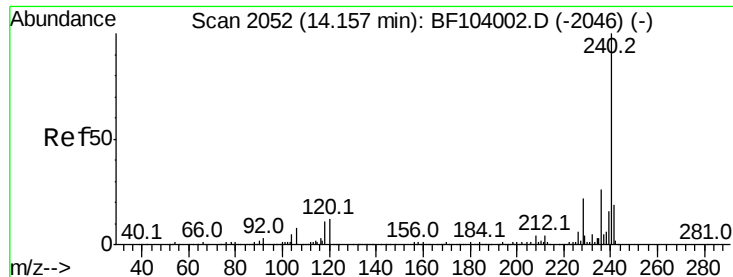


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.14 min Scan# 2049

Delta R.T. -0.01 min

Lab File: BF104257.D

Acq: 5 Apr 2018 6:19

Instrument :

BNA_F

ClientSampleId :

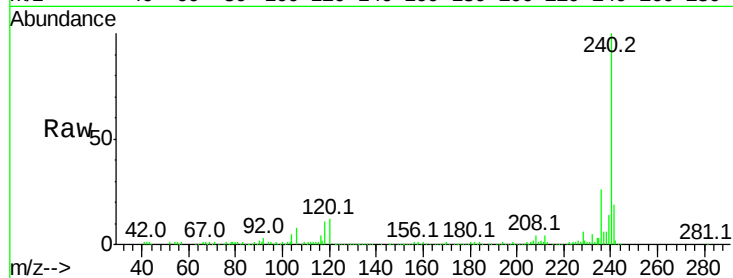
Tot Ion:240 Resp: 232717

Ion Ratio Lower Upper

240 100

120 12.5 9.5 14.3

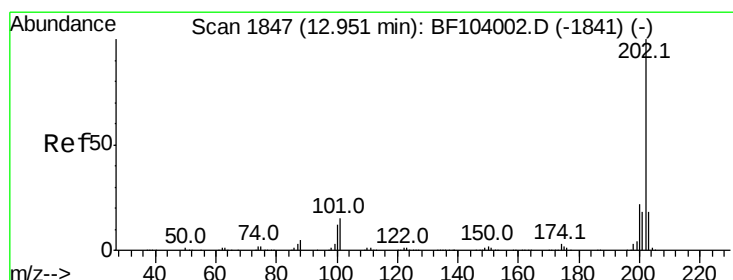
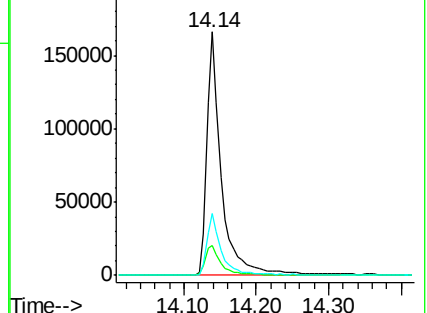
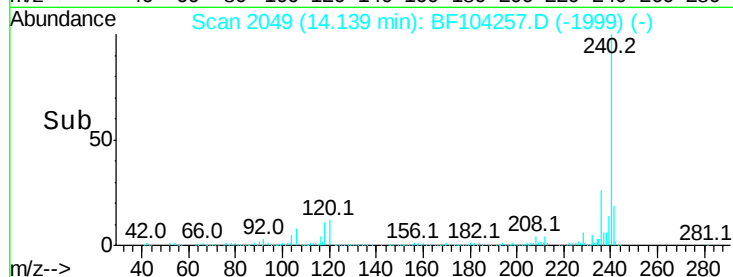
236 25.7 20.7 31.1



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: 3.085 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.00 min

Lab File: BF104257.D

Acq: 5 Apr 2018 6:19

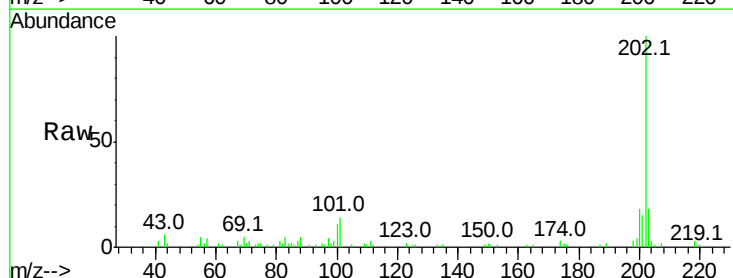
Tgt Ion:202 Resp: 51601

Ion Ratio Lower Upper

202 100

200 18.3 17.4 26.2

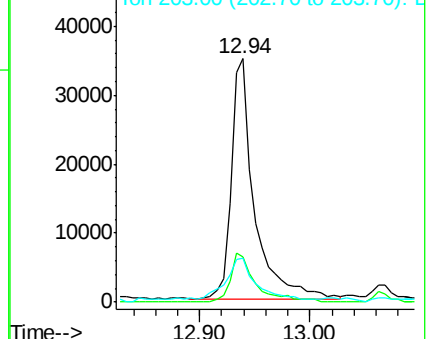
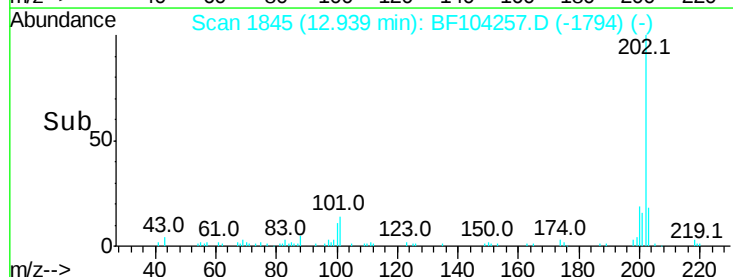
203 18.1 14.3 21.5

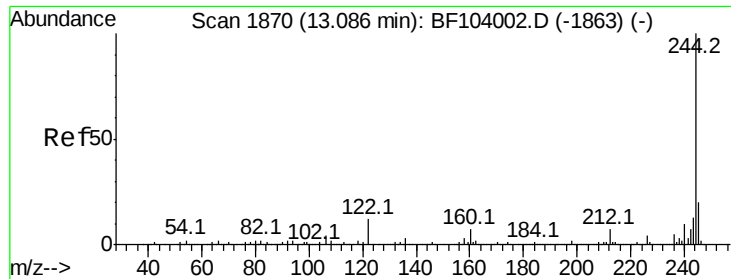


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 81.554 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF104257.D

Acq: 5 Apr 2018 6:19

Instrument :

BNA_F

ClientSampleId :

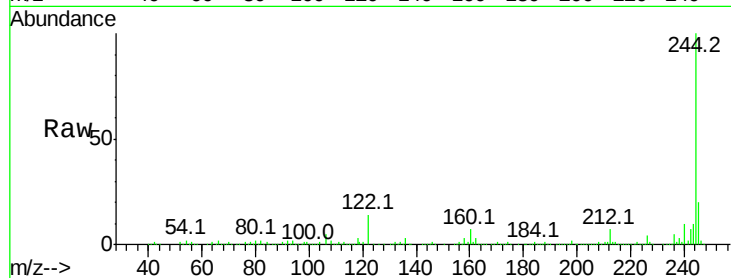
Tot Ion:244 Resp: 821976

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

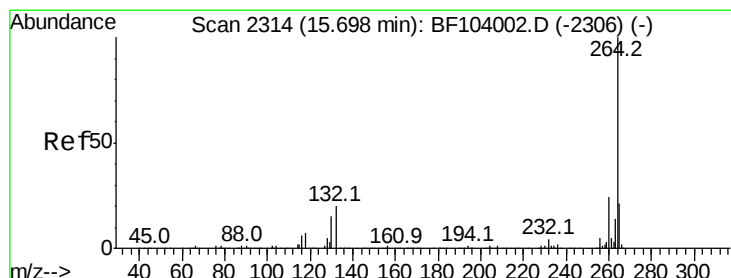
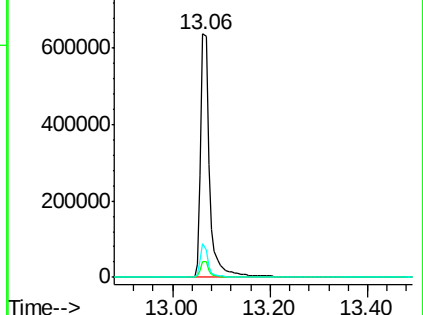
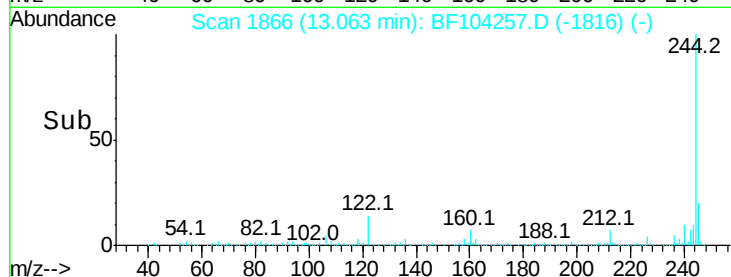
122 13.9 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2310

Delta R.T. -0.01 min

Lab File: BF104257.D

Acq: 5 Apr 2018 6:19

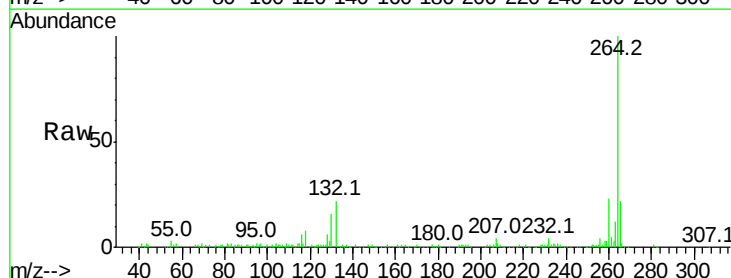
Tgt Ion:264 Resp: 211566

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

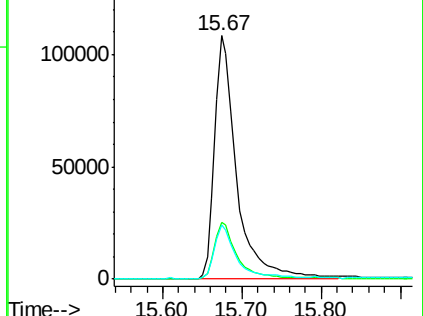
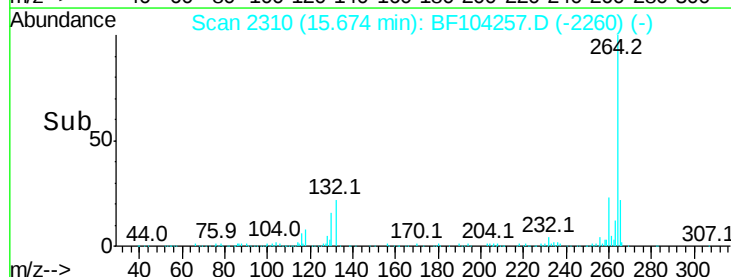
265 22.1 17.5 26.3

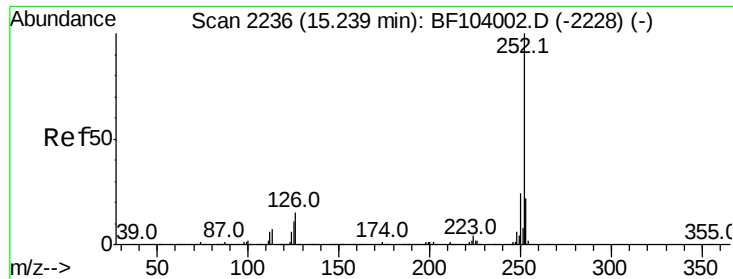


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.021 ng

RT: 15.22 min Scan# 2233

Delta R.T. -0.00 min

Lab File: BF104257.D

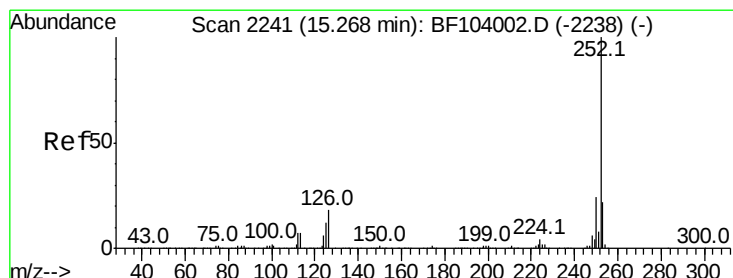
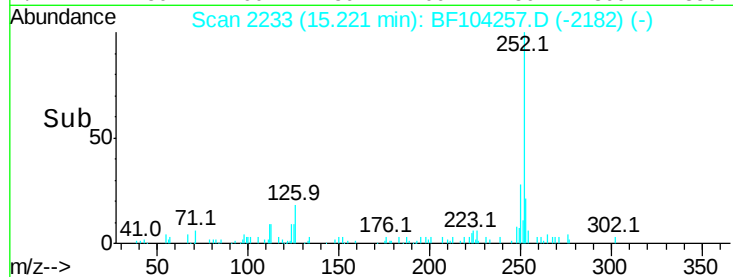
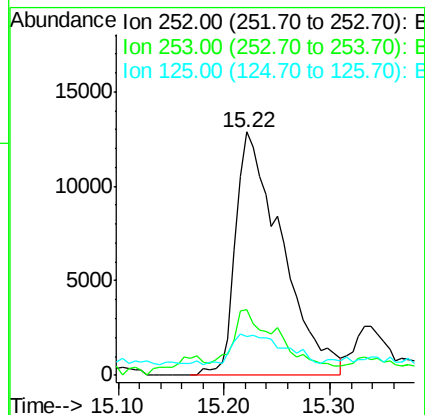
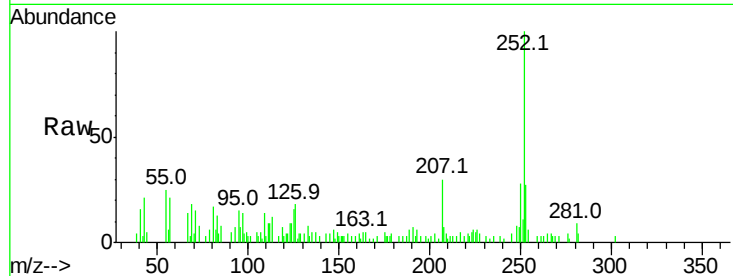
Acq: 5 Apr 2018 6:19

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	38903
Ion Ratio	Lower	Upper
252	100	
253	26.9	17.0 25.6#
125	15.8	9.0 13.6#



#88

Benzo(k)fluoranthene

Concen: 3.207 ng

RT: 15.22 min Scan# 2233

Delta R.T. -0.03 min

Lab File: BF104257.D

Acq: 5 Apr 2018 6:19

Tgt Ion:252	Resp:	38903
Ion Ratio	Lower	Upper
252	100	
253	26.9	17.9 26.9
125	15.8	10.2 15.2#

