

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040418\
 Data File : BF104235.D
 Acq On : 4 Apr 2018 19:42
 Operator : JU/SJ
 Sample : J2151-03 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 05 01:00:53 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

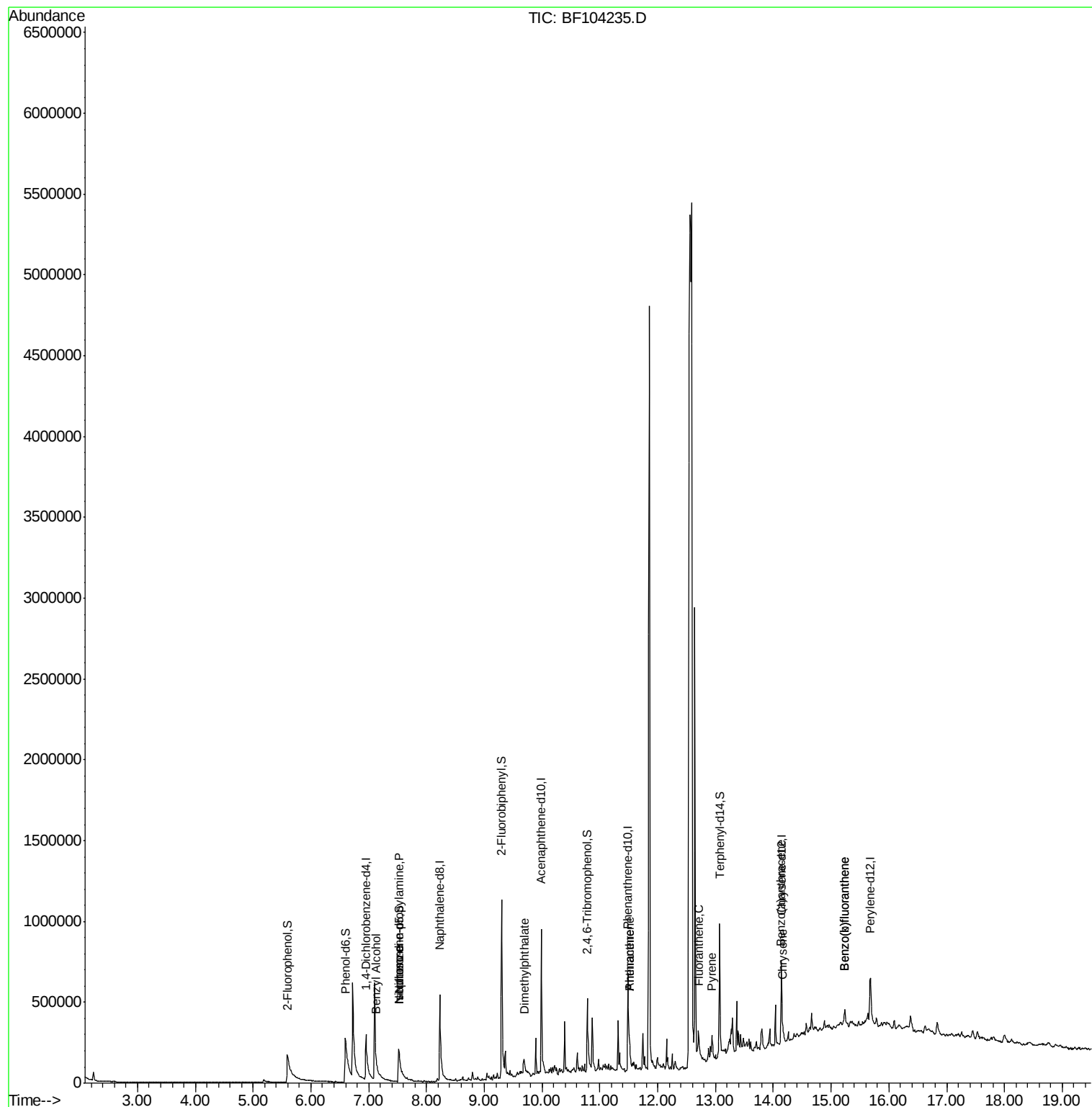
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	115696	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	491746	20.00	ng	0.00
38) Acenaphthene-d10	9.99	164	223274	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	350160	20.00	ng	0.00
75) Chrysene-d12	14.14	240	244207	20.00	ng	0.00
86) Perylene-d12	15.68	264	220815	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	239135	32.96	ng	0.00
7) Phenol-d6	6.60	99	436661	48.92	ng	0.00
23) Nitrobenzene-d5	7.52	82	248546	30.91	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	97852	39.36	ng	0.00
44) 2-Fluorobiphenyl	9.30	172	532413	37.60	ng	0.00
78) Terphenyl-d14	13.07	244	362411	34.27	ng	0.00
Target Compounds						
15) Benzyl Alcohol	7.13	79	17985	3.099	ng	# 89
19) n-Nitroso-di-n-propylamine	7.52	70	29537	5.576	ng	# 68
25) Isophorone	7.52	82	248546	16.773	ng	# 64
49) Dimethylphthalate	9.70	163	47848	2.714	ng	98
70) Phenanthrene	11.51	178	73170	3.860	ng	99
71) Anthracene	11.51	178	73170	3.695	ng	99
74) Fluoranthene	12.71	202	87307	4.333	ng	98
77) Pyrene	12.94	202	71423	4.069	ng	99
80) Benzo(a)anthracene	14.13	228	32077	2.099	ng	# 94
82) Chrysene	14.17	228	32184	2.150	ng	# 92
87) Benzo(b)fluoranthene	15.22	252	48962	3.643	ng	# 77
88) Benzo(k)fluoranthene	15.22	252	48962	3.868	ng	# 80

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

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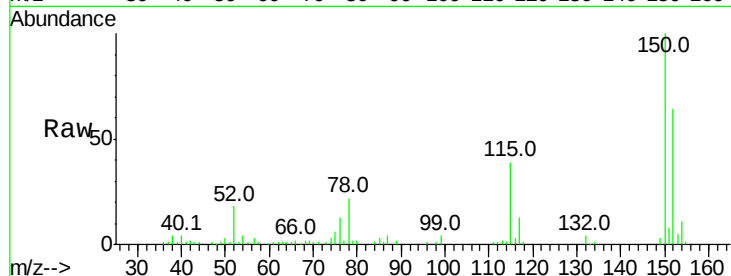


#1

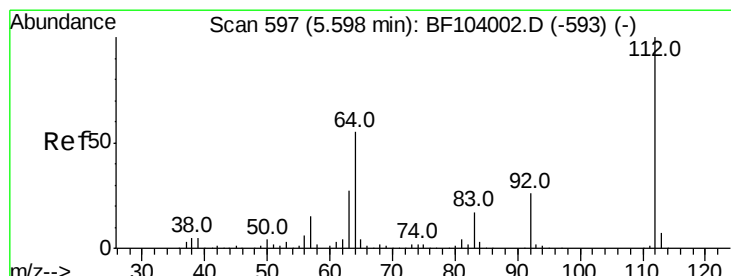
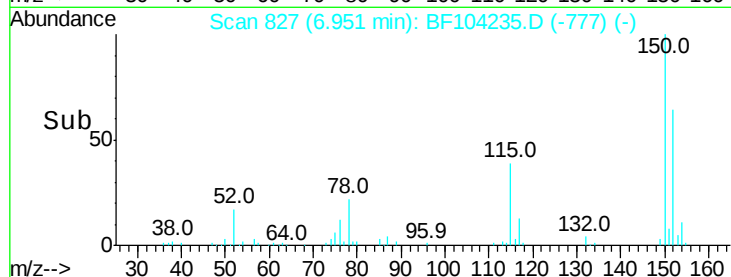
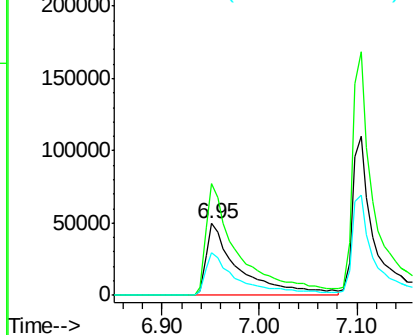
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF104235.D
Acq: 4 Apr 2018 19:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 115696
Ion Ratio Lower Upper
152 100
150 155.9 124.6 186.8
115 60.1 50.1 75.1



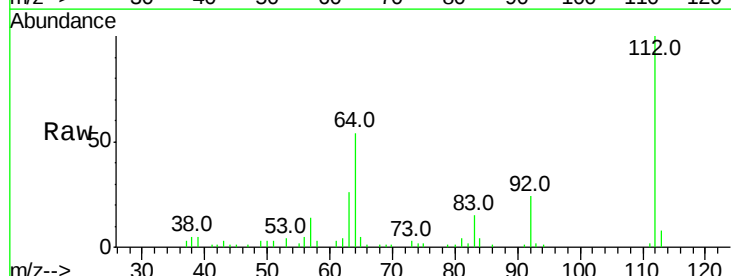
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



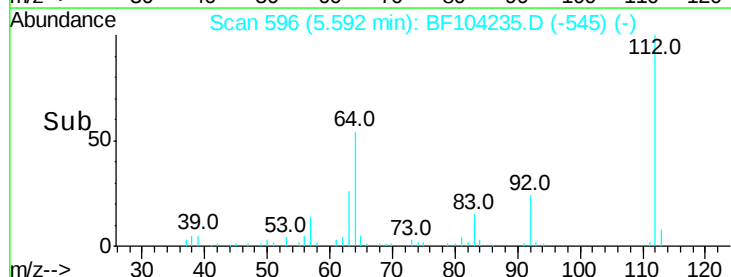
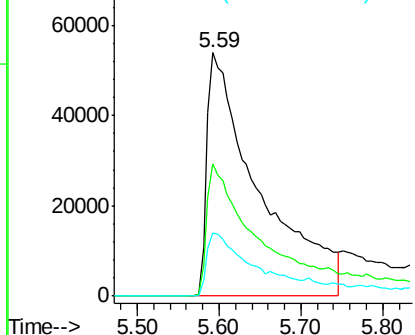
#5

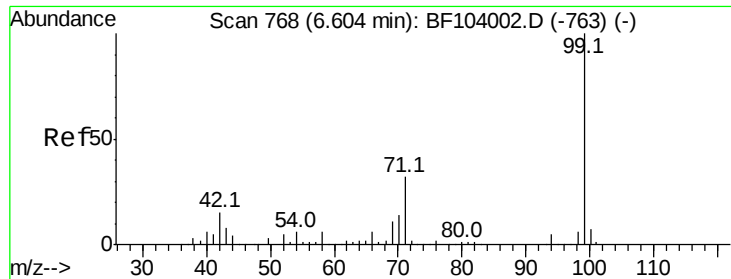
2-Fluorophenol
Concen: 32.962 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.00 min
Lab File: BF104235.D
Acq: 4 Apr 2018 19:42

Tgt Ion:112 Resp: 239135
Ion Ratio Lower Upper
112 100
64 54.4 47.9 71.9
63 26.0 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: 48.922 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF104235.D

Acq: 4 Apr 2018 19:42

Instrument :

BNA_F

ClientSampleId :

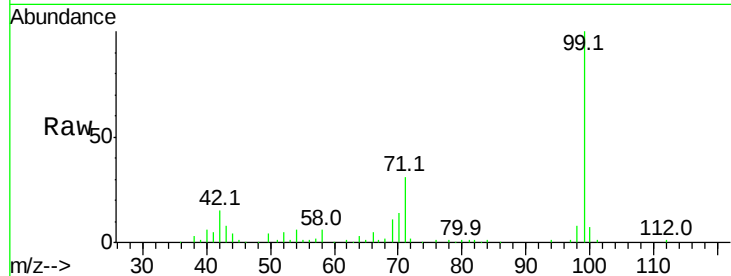
Tot Ion: 99 Resp: 436661

Ion Ratio Lower Upper

99 100

42 14.5 14.5 21.7

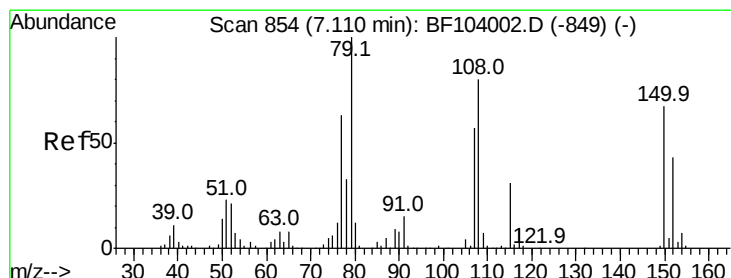
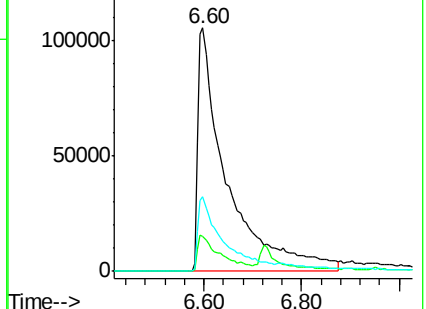
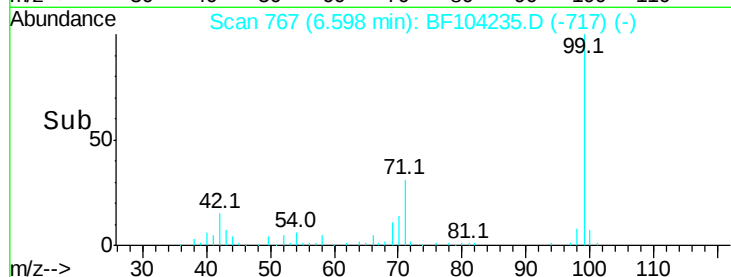
71 30.8 25.4 38.0



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



#15

Benzyl Alcohol

Concen: 3.099 ng

RT: 7.13 min Scan# 858

Delta R.T. 0.03 min

Lab File: BF104235.D

Acq: 4 Apr 2018 19:42

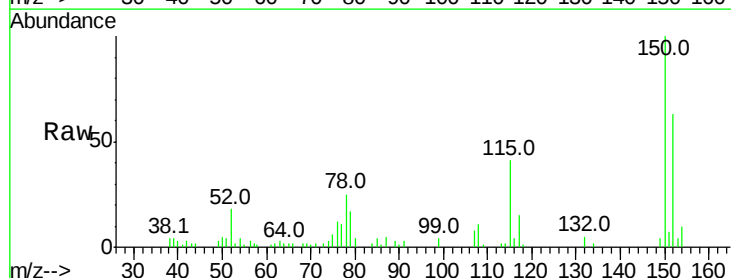
Tgt Ion: 79 Resp: 17985

Ion Ratio Lower Upper

79 100

108 64.2 65.1 97.7#

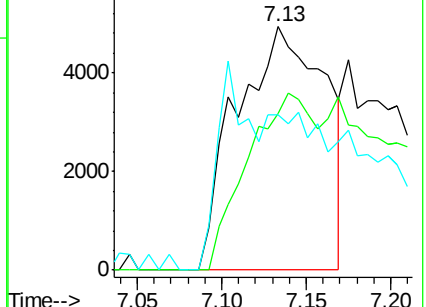
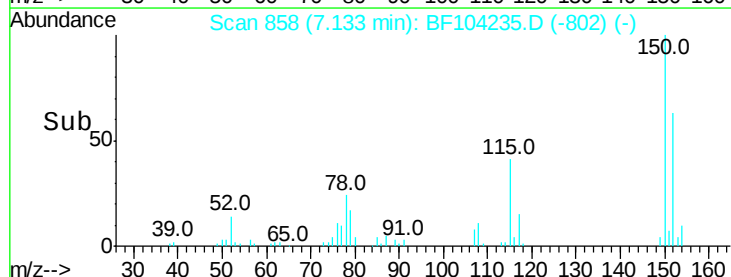
77 63.8 50.6 75.8

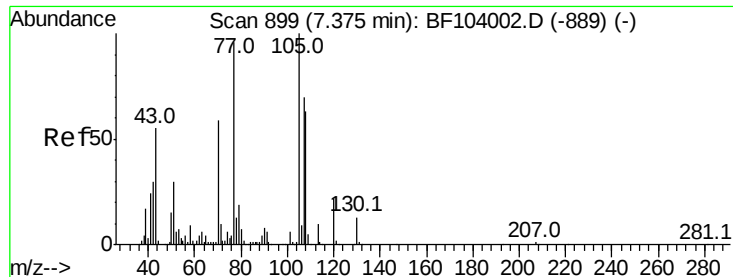


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

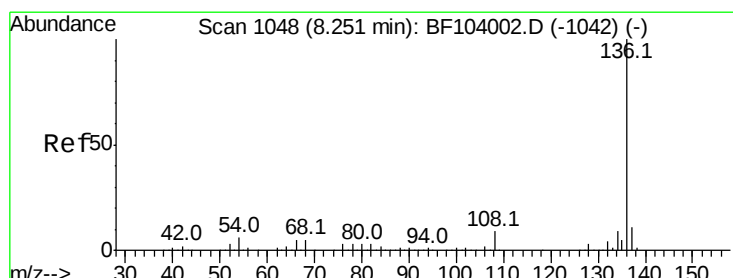
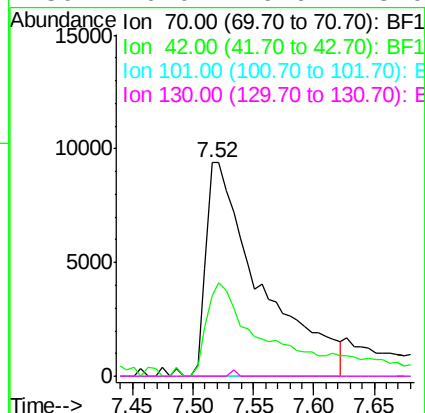
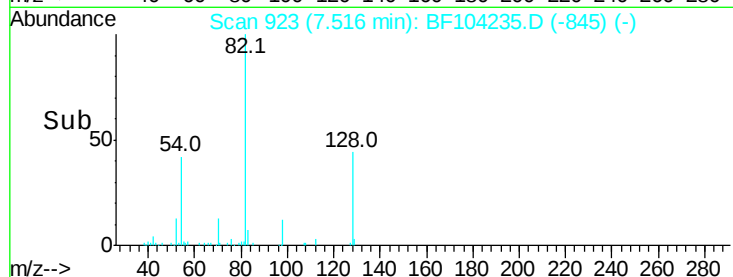
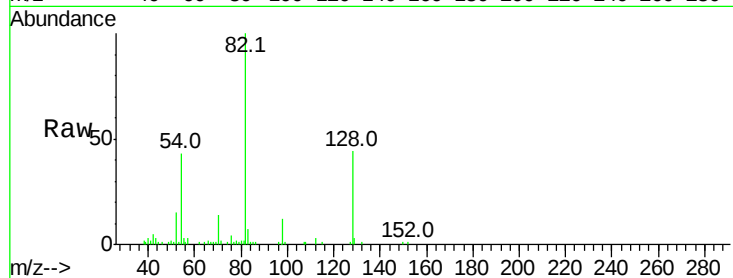




#19
n-Nitroso-di-n-propylamine
Concen: 5.576 ng
RT: 7.52 min Scan# 923
Delta R.T. 0.16 min
Lab File: BF104235.D
Acq: 4 Apr 2018 19:42

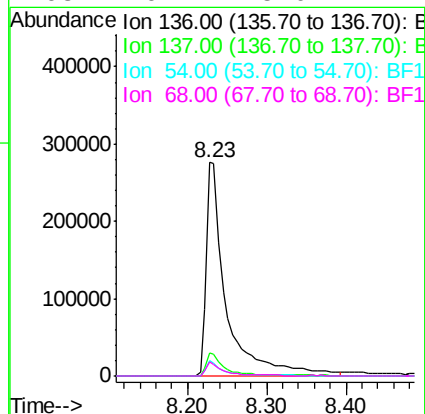
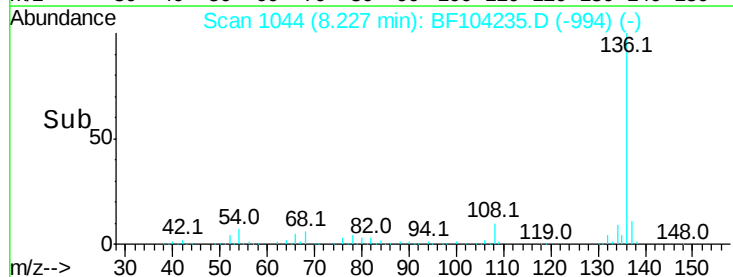
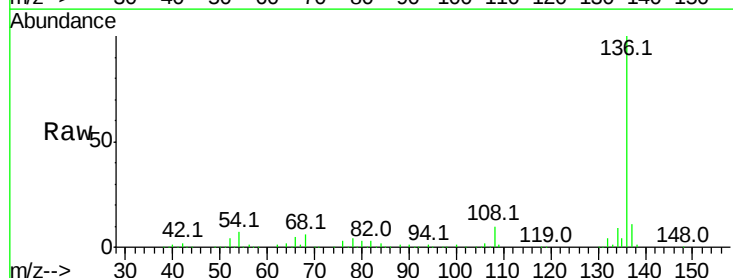
Instrument :
BNA_F
ClientSampleId :

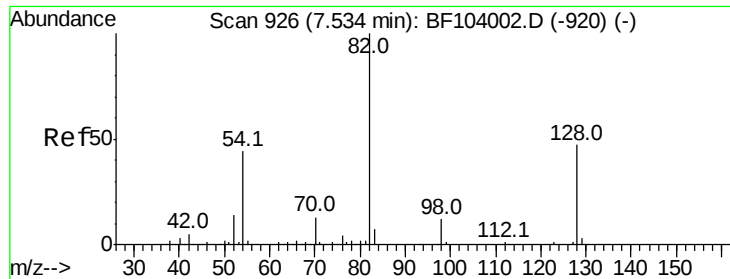
Tot Ion: 70 Resp: 29537
Ion Ratio Lower Upper
70 100
42 37.8 47.5 71.3#
101 0.0 7.4 11.2#
130 0.0 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1044
Delta R.T. -0.01 min
Lab File: BF104235.D
Acq: 4 Apr 2018 19:42

Tgt Ion: 136 Resp: 491746
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.1 6.6 9.8
68 6.4 5.0 7.4

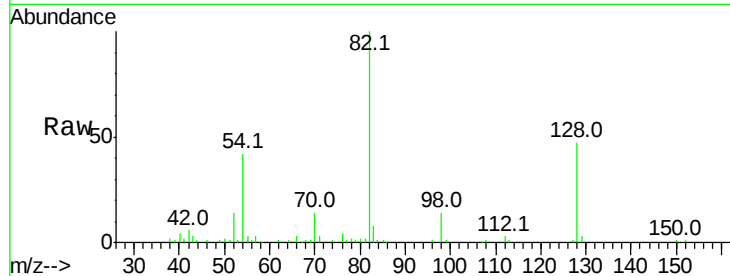




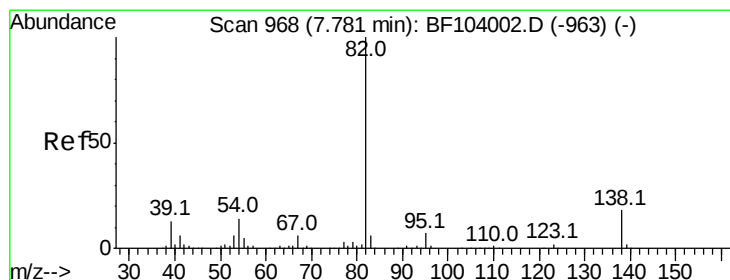
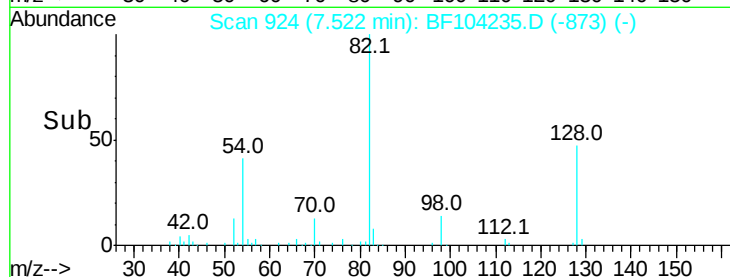
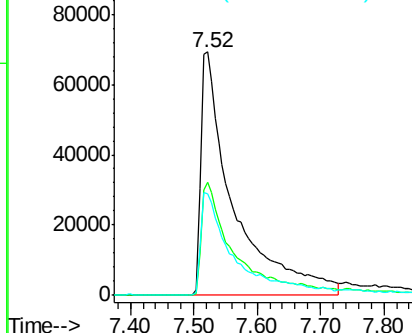
#23
 Nitrobenzene-d5
 Concen: 30.910 ng
 RT: 7.52 min Scan# 924
 Delta R.T. -0.00 min
 Lab File: BF104235.D
 Acq: 4 Apr 2018 19:42

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	248546
Ion Ratio	Lower	Upper	
82	100		
128	46.6	36.1	54.1
54	41.8	41.4	62.2

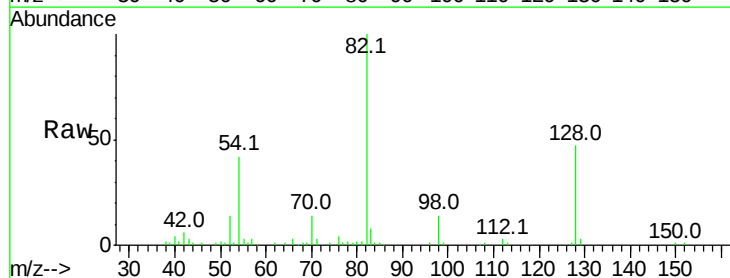


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

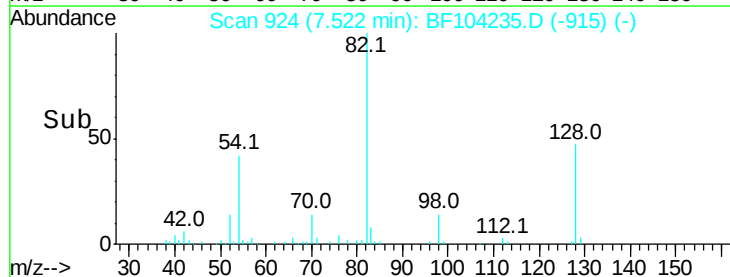
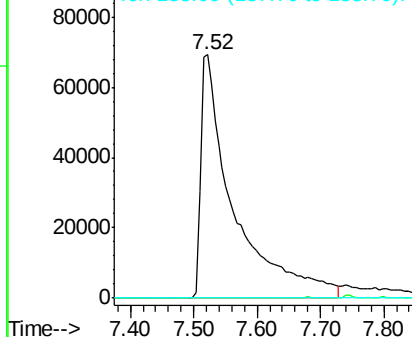


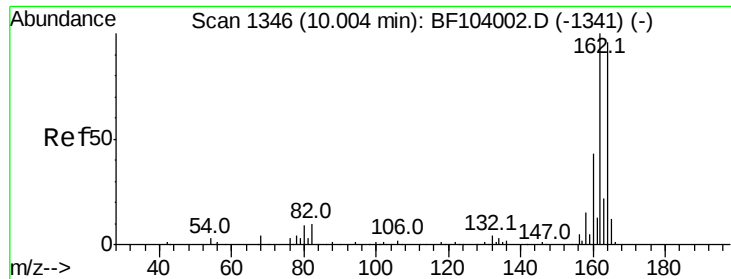
#25
 Isophorone
 Concen: 16.773 ng
 RT: 7.52 min Scan# 924
 Delta R.T. -0.25 min
 Lab File: BF104235.D
 Acq: 4 Apr 2018 19:42

Tgt Ion	82	Resp	248546
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1

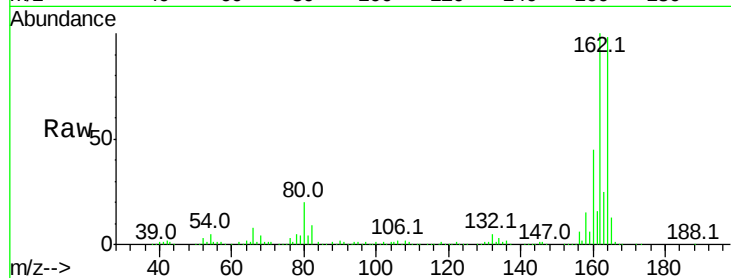




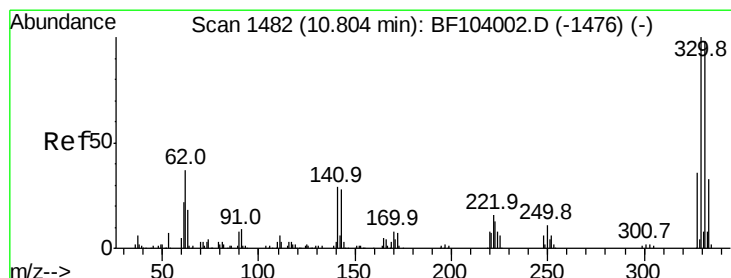
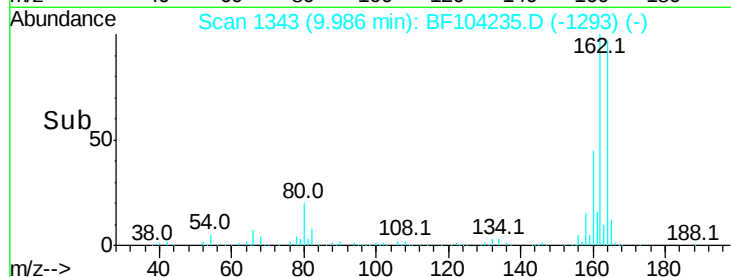
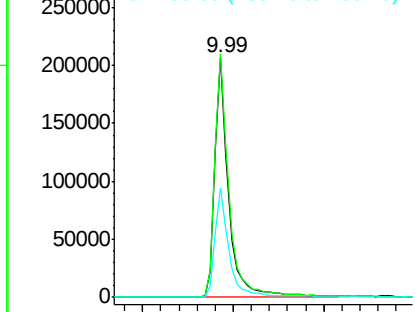
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF104235.D
Acq: 4 Apr 2018 19:42

Instrument :
BNA_F
ClientSampled :

Tot Ion:164 Resp: 223274
Ion Ratio Lower Upper
164 100
162 101.6 86.1 129.1
160 45.8 38.3 57.5

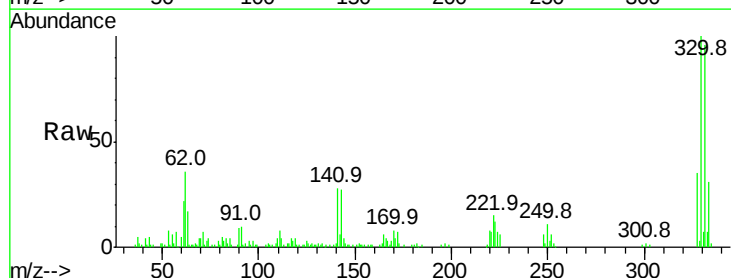


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

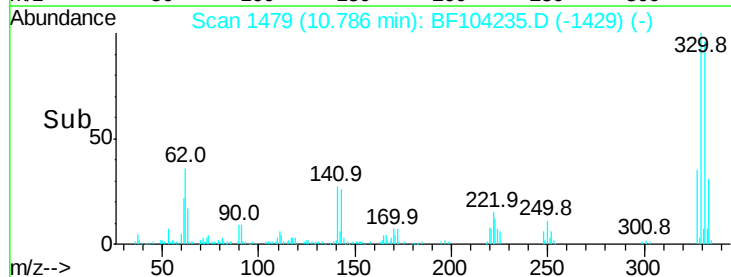
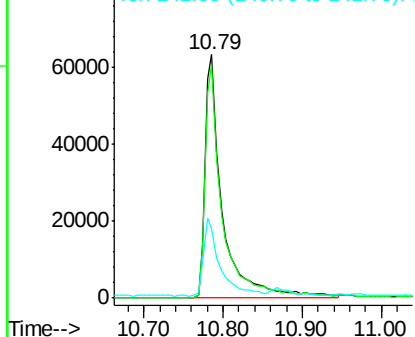


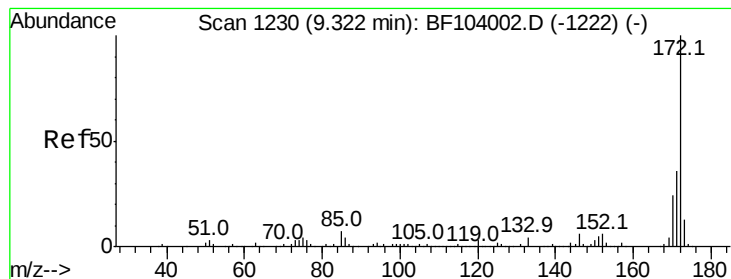
#41
2,4,6-Tribromophenol
Concen: 39.359 ng
RT: 10.79 min Scan# 1479
Delta R.T. -0.01 min
Lab File: BF104235.D
Acq: 4 Apr 2018 19:42

Tgt Ion:330 Resp: 97852
Ion Ratio Lower Upper
330 100
332 95.6 77.0 115.6
141 29.5 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: 37.603 ng

RT: 9.30 min Scan# 1226

Delta R.T. -0.01 min

Lab File: BF104235.D

Acq: 4 Apr 2018 19:42

Instrument :

BNA_F

ClientSampled :

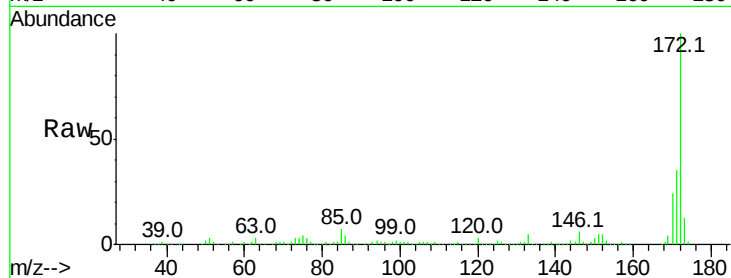
Tot Ion:172 Resp: 532413

Ion Ratio Lower Upper

172 100

171 34.8 29.7 44.5

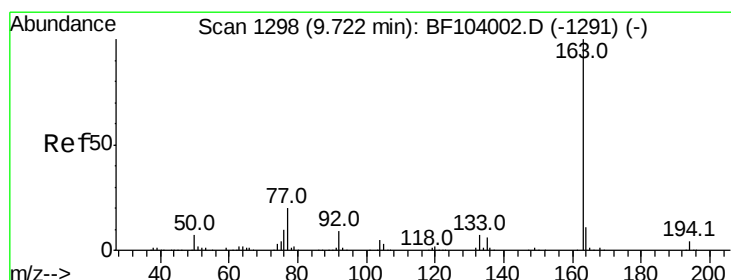
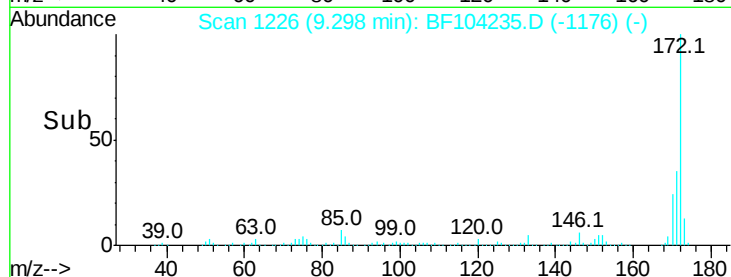
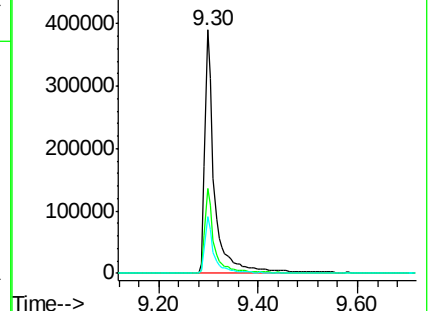
170 23.5 19.6 29.4



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: 2.714 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BF104235.D

Acq: 4 Apr 2018 19:42

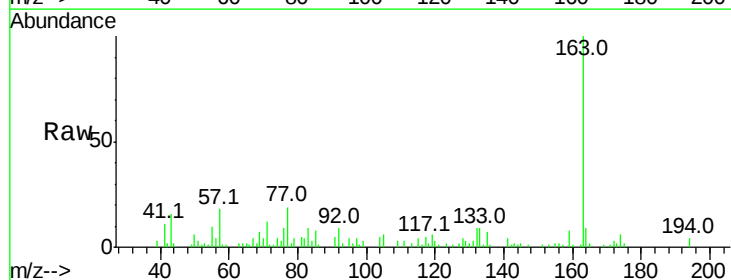
Tgt Ion:163 Resp: 47848

Ion Ratio Lower Upper

163 100

194 4.1 2.7 4.1

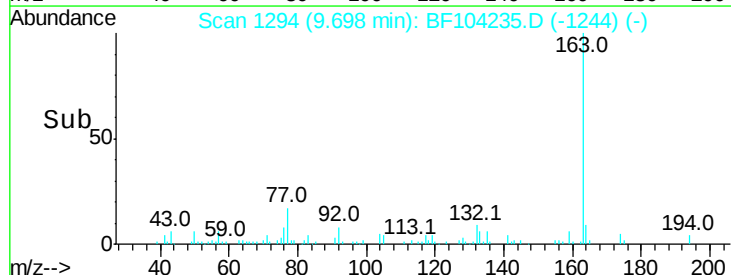
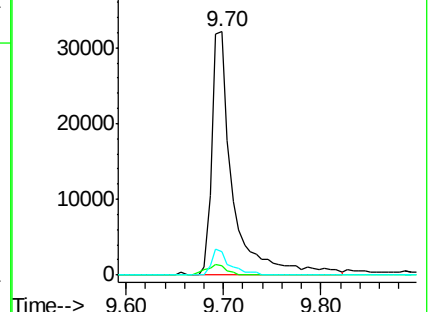
164 9.5 8.2 12.2

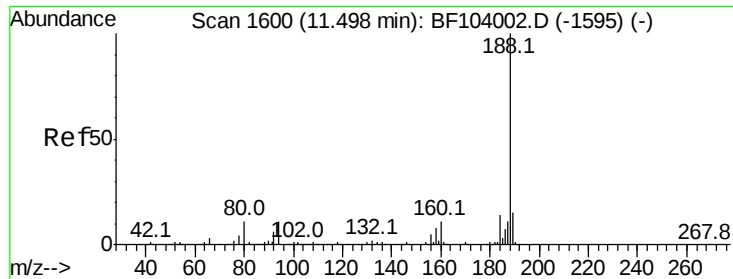


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

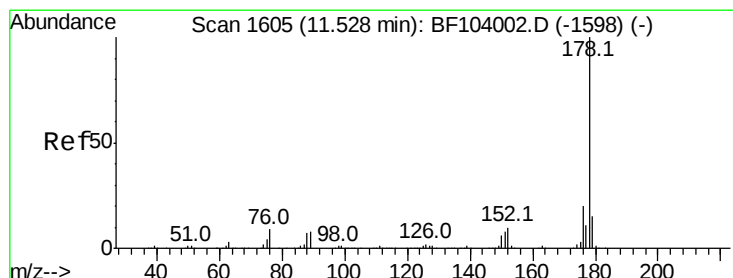
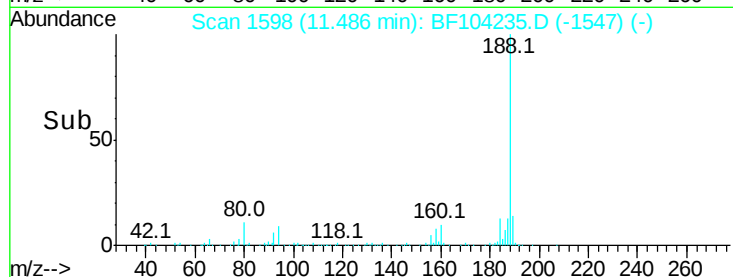
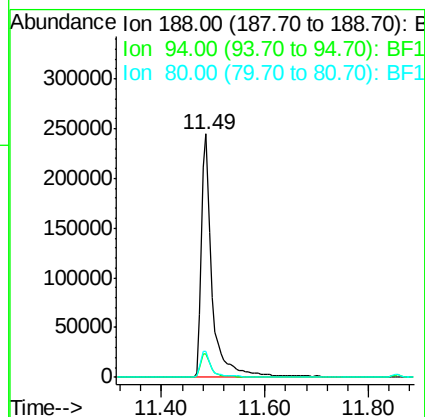
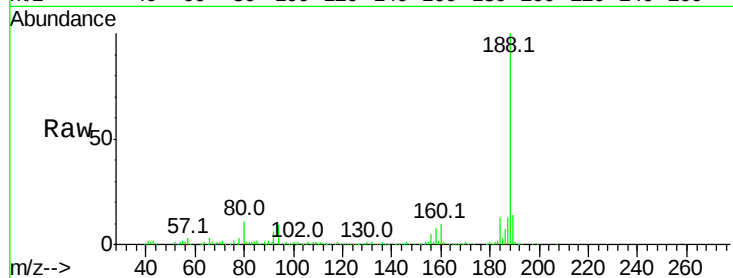




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.00 min
Lab File: BF104235.D
Acq: 4 Apr 2018 19:42

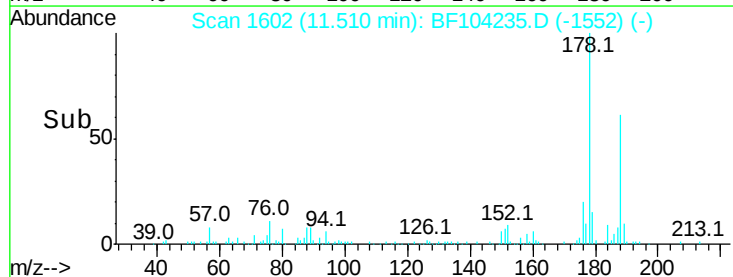
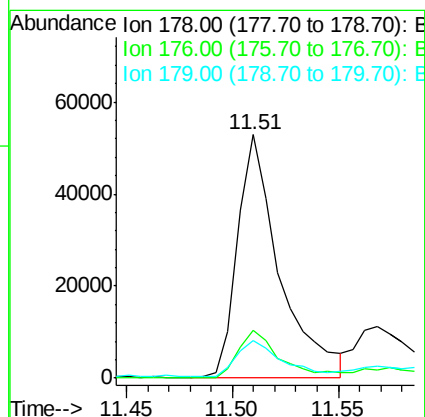
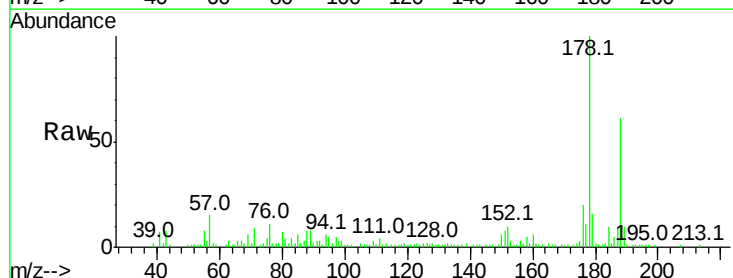
Instrument :
BNA_F
ClientSampleId :

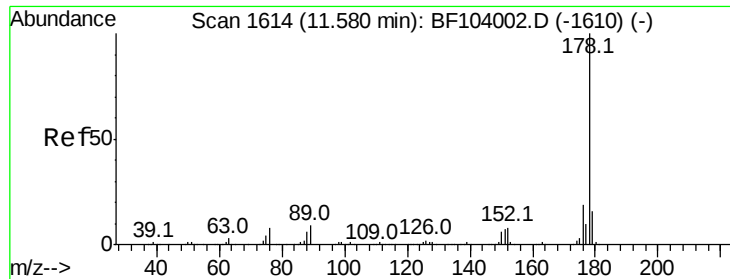
Tot Ion:188 Resp: 350160
Ion Ratio Lower Upper
188 100
94 9.5 8.5 12.7
80 10.8 9.2 13.8



#70
Phenanthrene
Concen: 3.860 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.01 min
Lab File: BF104235.D
Acq: 4 Apr 2018 19:42

Tgt Ion:178 Resp: 73170
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.8
179 15.6 13.0 19.6

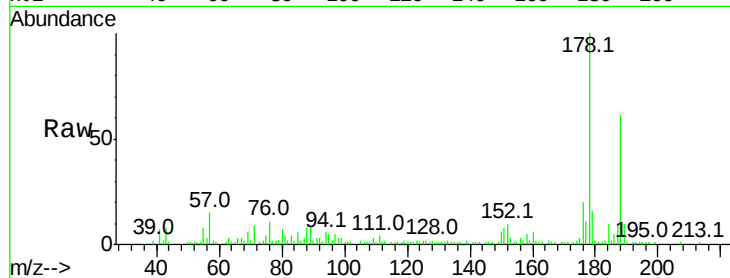




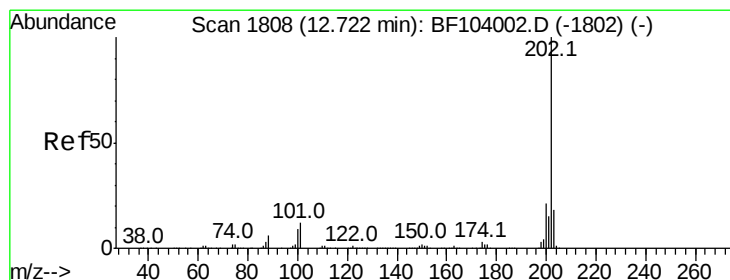
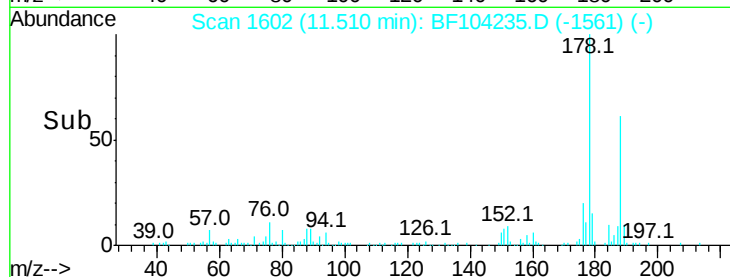
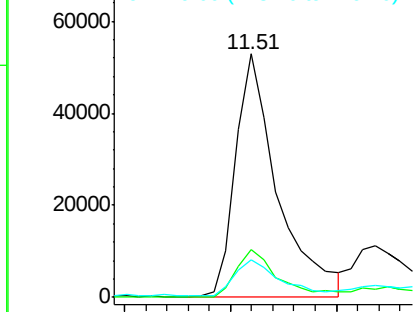
#71
 Anthracene
 Concen: 3.695 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. -0.06 min
 Lab File: BF104235.D
 Acq: 4 Apr 2018 19:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 73170
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.4 23.2
 179 15.6 12.6 19.0

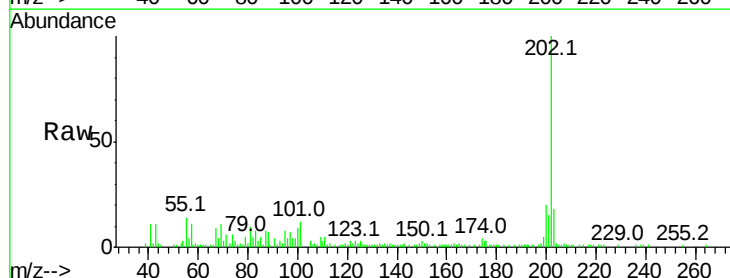


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

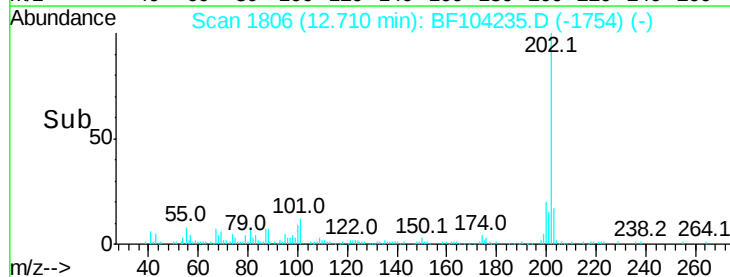
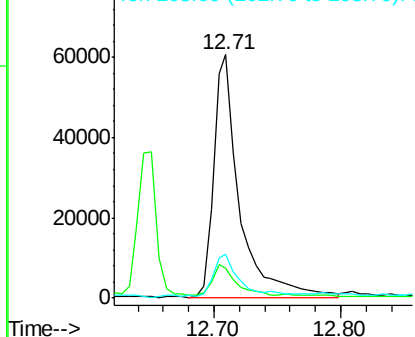


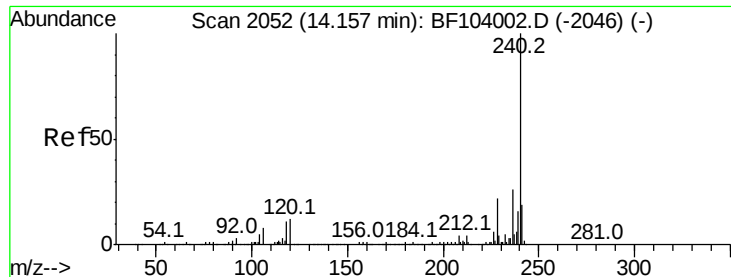
#74
 Fluoranthene
 Concen: 4.333 ng
 RT: 12.71 min Scan# 1806
 Delta R.T. 0.01 min
 Lab File: BF104235.D
 Acq: 4 Apr 2018 19:42

Tgt Ion:202 Resp: 87307
 Ion Ratio Lower Upper
 202 100
 101 12.2 0.0 34.1
 203 17.9 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: BF104235.D

Acq: 4 Apr 2018 19:42

Instrument :

BNA_F

ClientSampleId :

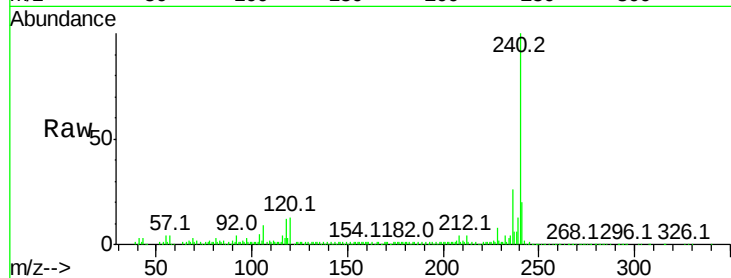
Tot Ion:240 Resp: 244207

Ion Ratio Lower Upper

240 100

120 12.8 9.5 14.3

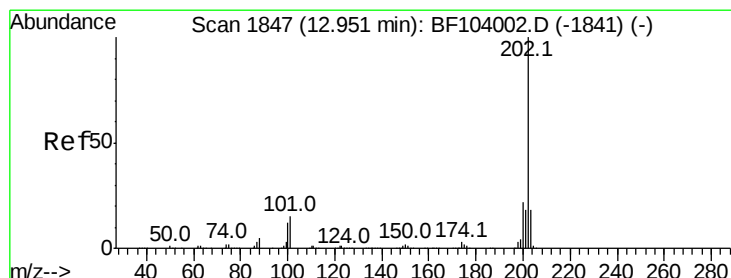
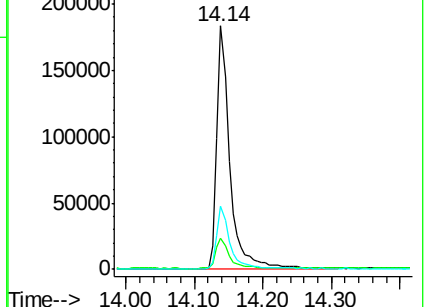
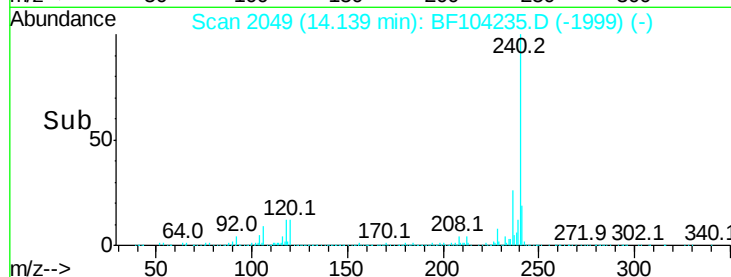
236 26.0 20.7 31.1



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: 4.069 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.00 min

Lab File: BF104235.D

Acq: 4 Apr 2018 19:42

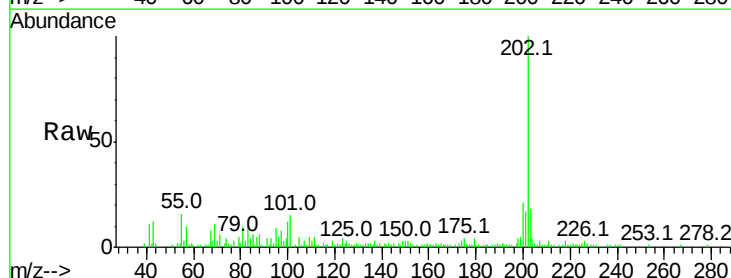
Tgt Ion:202 Resp: 71423

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

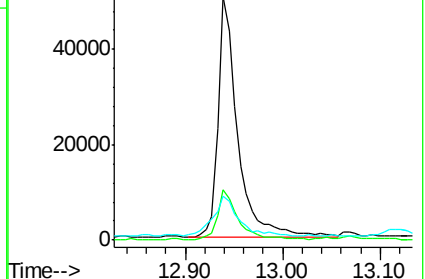
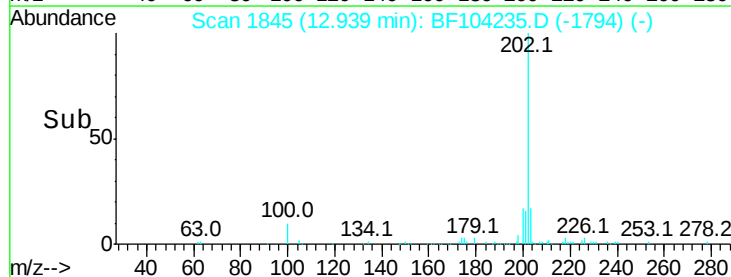
203 17.9 14.3 21.5

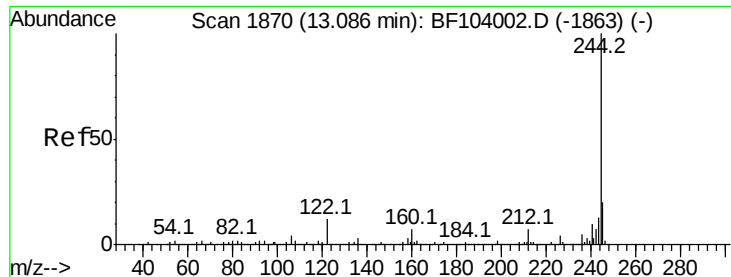


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 34.266 ng

RT: 13.07 min Scan# 1867

Delta R.T. -0.00 min

Lab File: BF104235.D

Acq: 4 Apr 2018 19:42

Instrument :

BNA_F

ClientSampleId :

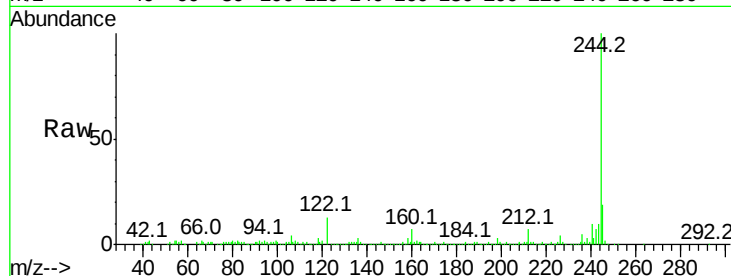
Tot Ion:244 Resp: 362411

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

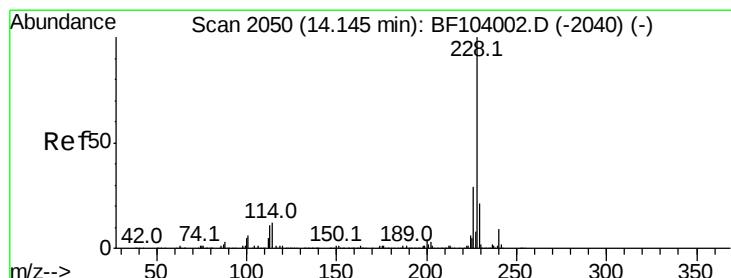
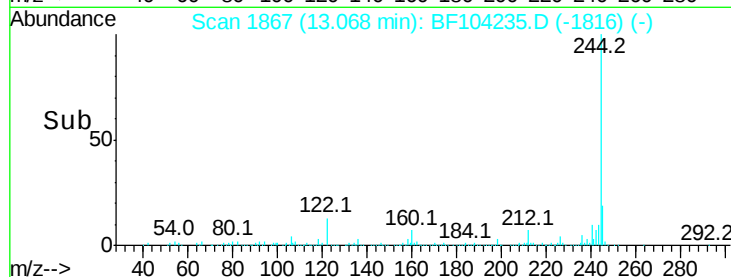
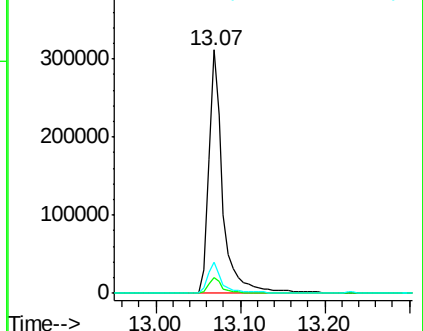
122 12.8 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 2.099 ng

RT: 14.13 min Scan# 2047

Delta R.T. -0.01 min

Lab File: BF104235.D

Acq: 4 Apr 2018 19:42

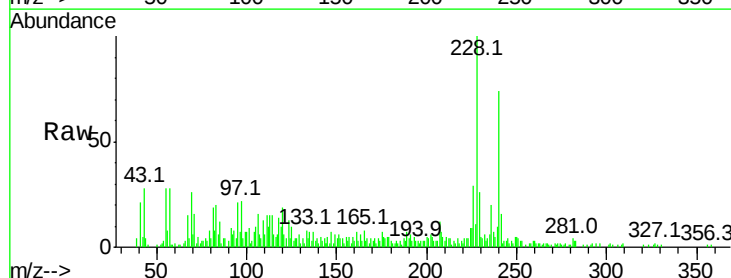
Tgt Ion:228 Resp: 32077

Ion Ratio Lower Upper

228 100

226 28.7 22.6 33.8

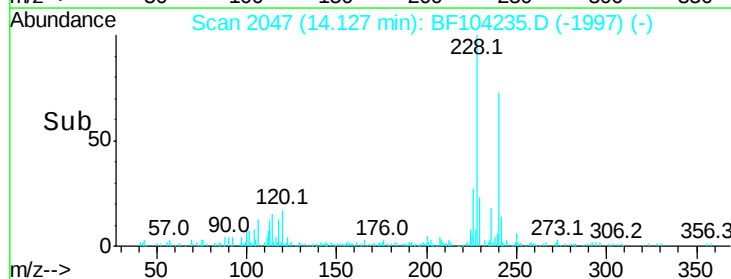
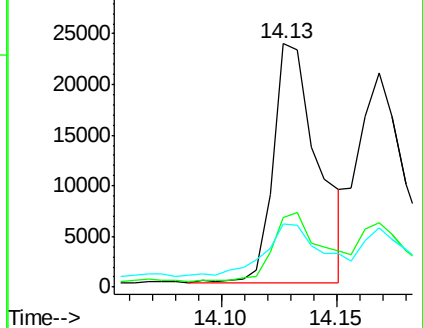
229 26.2 15.8 23.6#

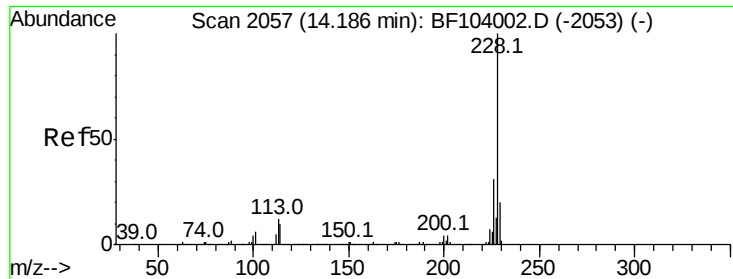


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.150 ng

RT: 14.17 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BF104235.D

Acq: 4 Apr 2018 19:42

Instrument :

BNA_F

ClientSampleId :

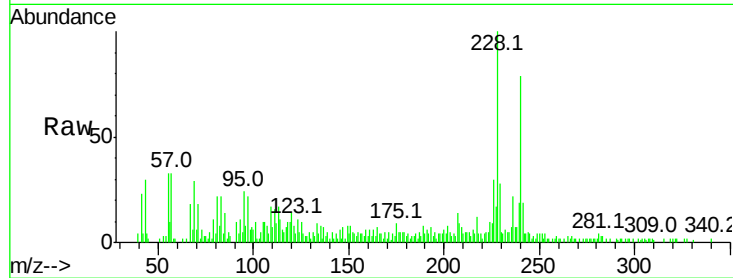
Tot Ion:228 Resp: 32184

Ion Ratio Lower Upper

228 100

226 30.2 25.0 37.6

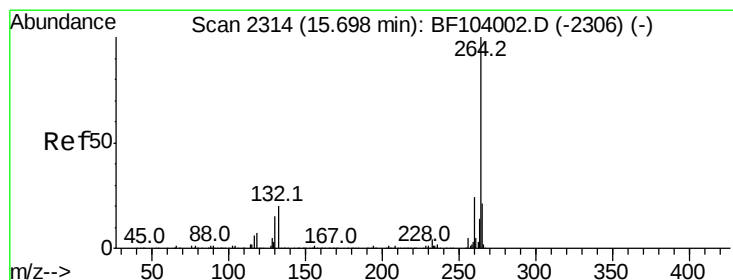
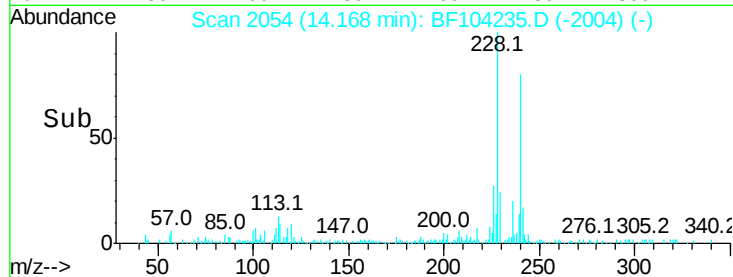
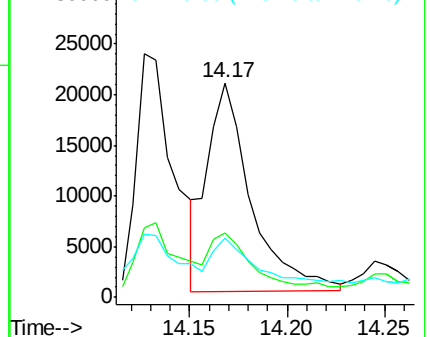
229 27.8 16.2 24.4#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2311

Delta R.T. -0.00 min

Lab File: BF104235.D

Acq: 4 Apr 2018 19:42

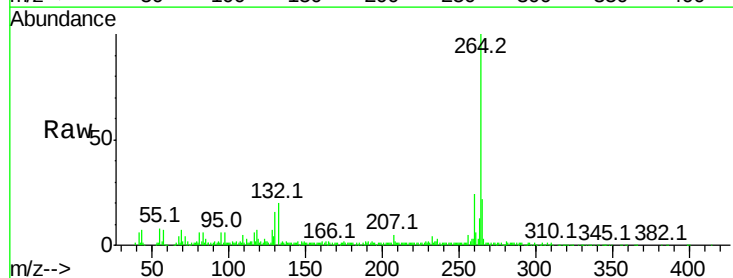
Tgt Ion:264 Resp: 220815

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

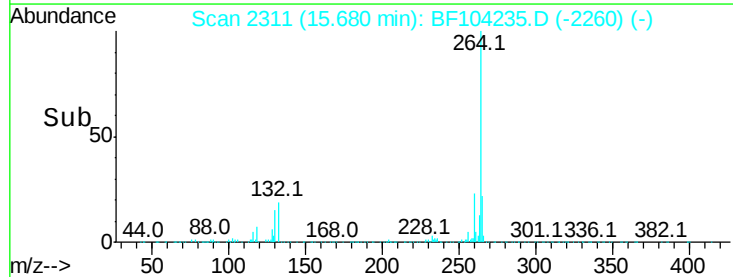
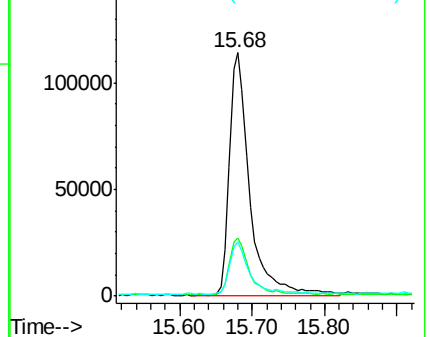
265 22.4 17.5 26.3

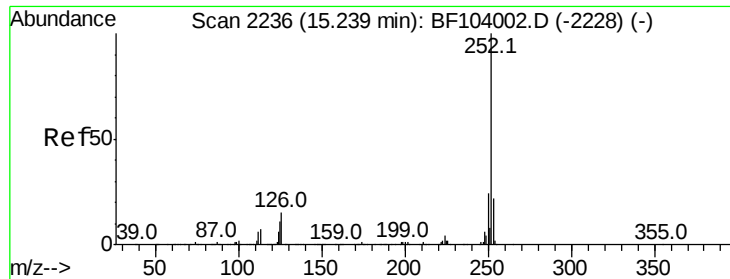


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

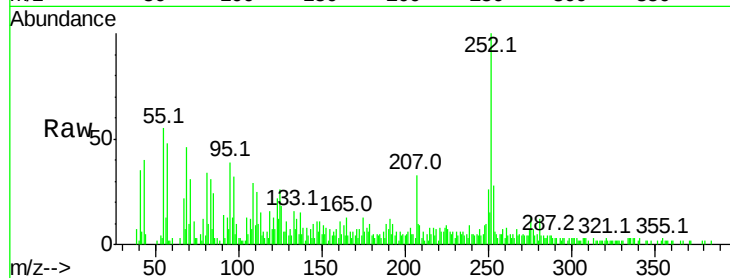




#87
Benzo(b)fluoranthene
Concen: 3.643 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.00 min
Lab File: BF104235.D
Acq: 4 Apr 2018 19:42

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.1	17.0	25.6#
125	26.2	9.0	13.6#

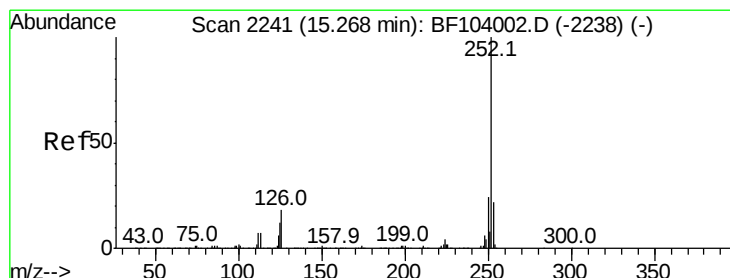
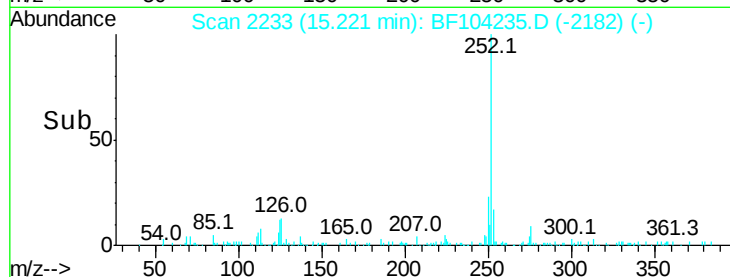
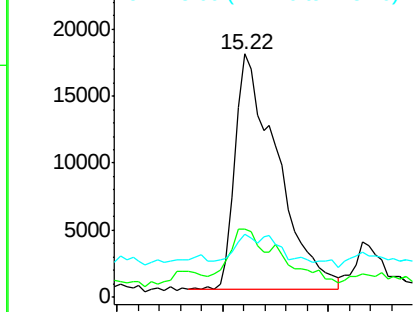


Abundance

Ion 252.00 (251.70 to 252.70): E

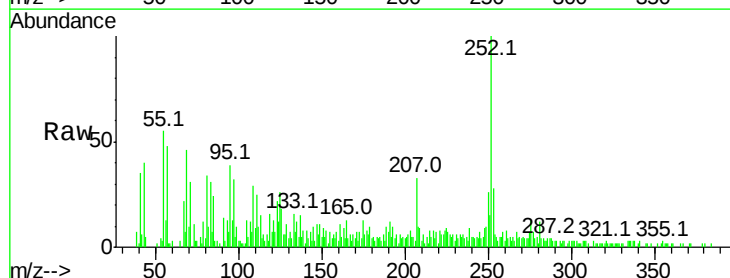
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 3.868 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.03 min
Lab File: BF104235.D
Acq: 4 Apr 2018 19:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.1	17.9	26.9#
125	26.2	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

