

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\
 Data File : BF104075.D
 Acq On : 30 Mar 2018 3:05
 Operator : JU/SJ
 Sample : J2122-06 2X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 30 06:53:04 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 28 13:41:47 2018
 Response via : Initial Calibration

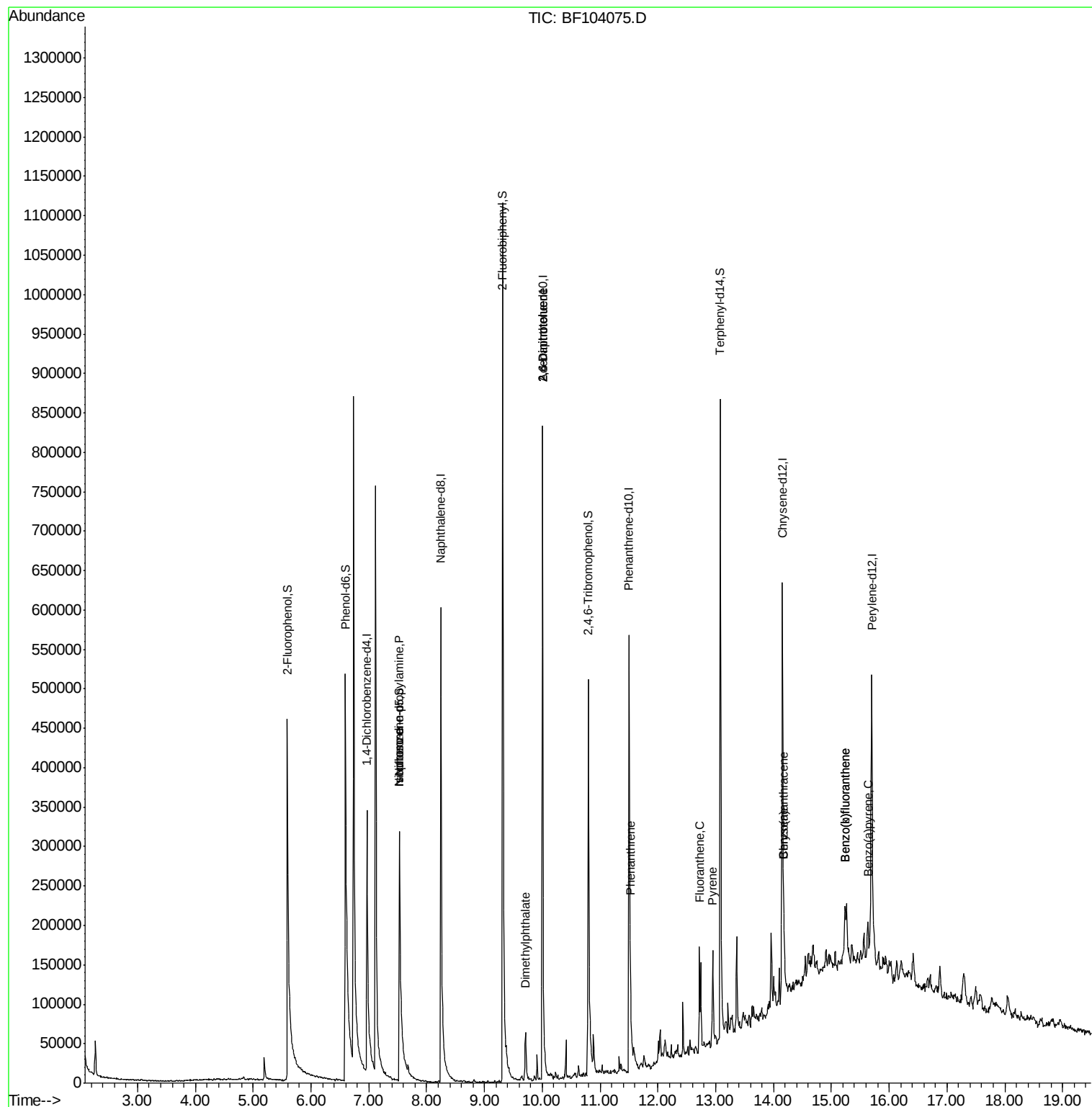
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	113151	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	488346	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	207904	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	315460	20.00	ng	0.00
75) Chrysene-d12	14.16	240	238047	20.00	ng	0.00
86) Perylene-d12	15.70	264	233230	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	330289	46.55	ng	0.00
7) Phenol-d6	6.59	99	479208	54.90	ng	-0.01
23) Nitrobenzene-d5	7.53	82	275901	34.55	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	101675	43.92	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	502757	38.13	ng	0.00
78) Terphenyl-d14	13.08	244	328023	31.82	ng	0.00
Target Compounds						
9) Benzaldehyde	6.59	77	864	Below Cal		Qvalue # 1
19) n-Nitroso-di-n-propylamine	7.53	70	32636	6.300	ng	# 74
25) Isophorone	7.53	82	275901	18.748	ng	# 64
49) Dimethylphthalate	9.71	163	40284	2.454	ng	# 99
50) 2,6-Dinitrotoluene	10.00	165	26289	7.444	ng	# 25
56) 2,4-Dinitrotoluene	10.00	165	26611	5.905	ng	# 22
70) Phenanthrene	11.53	178	43842	2.567	ng	# 99
74) Fluoranthene	12.72	202	72633	4.001	ng	# 96
77) Pyrene	12.95	202	66684	3.897	ng	# 99
80) Benzo(a)anthracene	14.18	228	31335	2.104	ng	# 96
82) Chrysene	14.18	228	31335	2.148	ng	# 98
87) Benzo(b)fluoranthene	15.24	252	60828	4.285	ng	# 86
88) Benzo(k)fluoranthene	15.24	252	60828	4.549	ng	# 89
89) Benzo(a)pyrene	15.63	252	32850	2.497	ng	# 87

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

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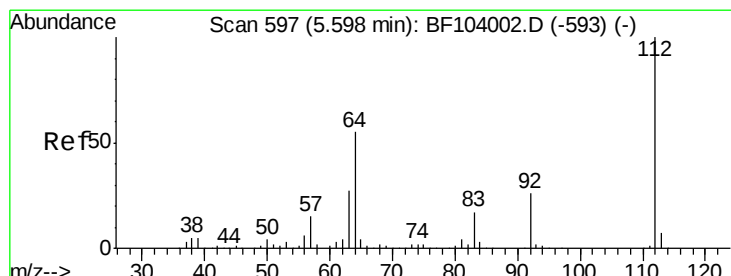
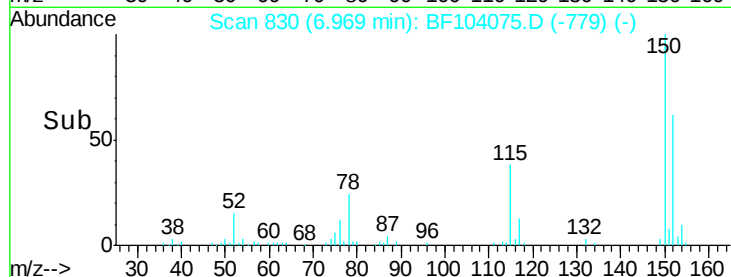
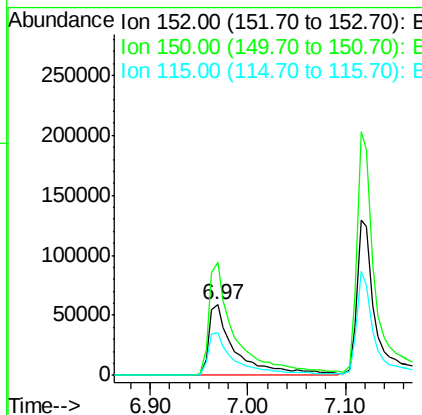
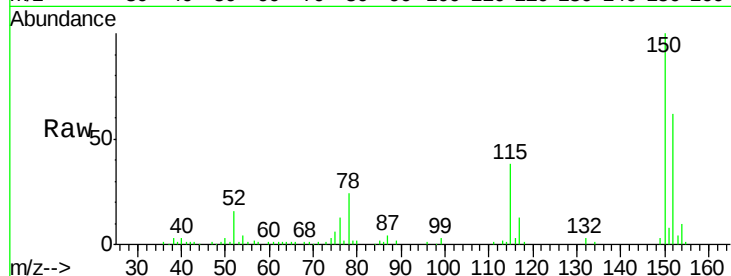


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 830
 Delta R.T. -0.00 min
 Lab File: BF104075.D
 Acq: 30 Mar 2018 3:05

Instrument :
 BNA_F
 ClientSampled :

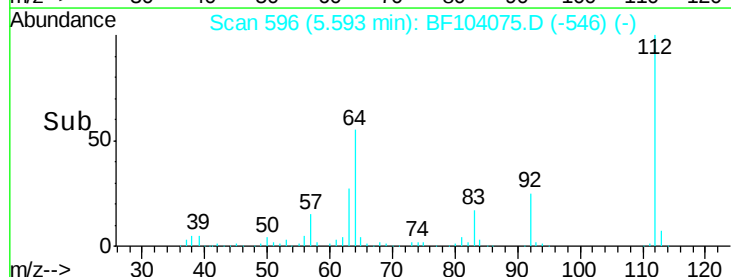
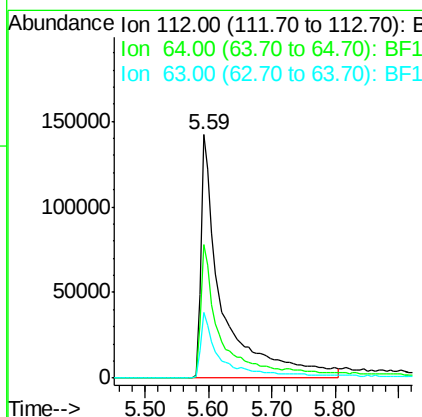
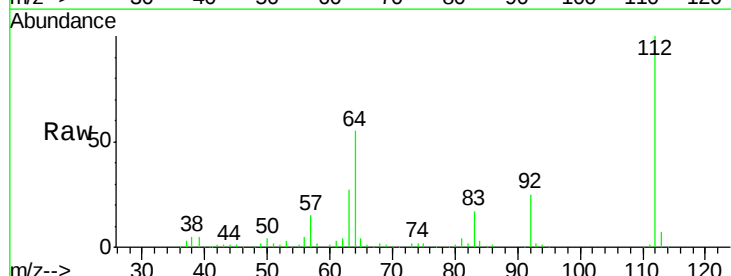
Tot Ion:152 Resp: 113151
 Ion Ratio Lower Upper
 152 100
 150 160.2 124.6 186.8
 115 61.6 50.1 75.1

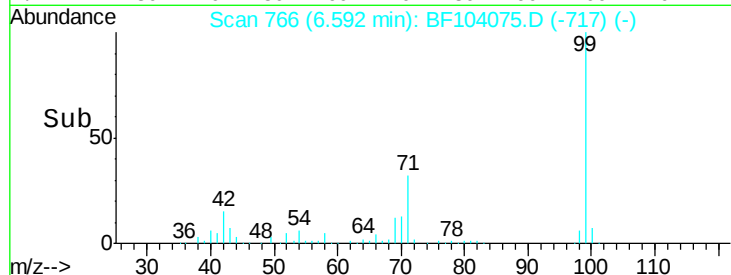
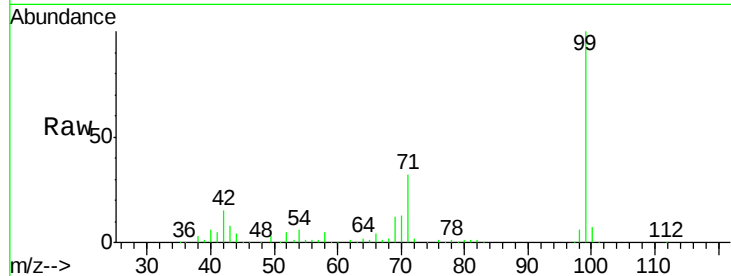
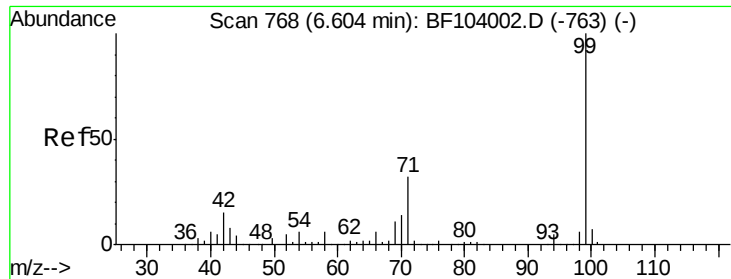


#5

2-Fluorophenol
 Concen: 46.551 ng
 RT: 5.59 min Scan# 596
 Delta R.T. -0.01 min
 Lab File: BF104075.D
 Acq: 30 Mar 2018 3:05

Tgt Ion:112 Resp: 330289
 Ion Ratio Lower Upper
 112 100
 64 55.0 47.9 71.9
 63 26.8 23.7 35.5





#7

Phenol-d6

Concen: 54.897 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF104075.D

Acq: 30 Mar 2018 3:05

Instrument :

BNA_F

ClientSampleId :

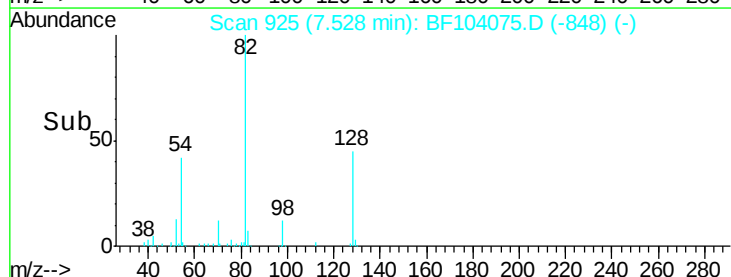
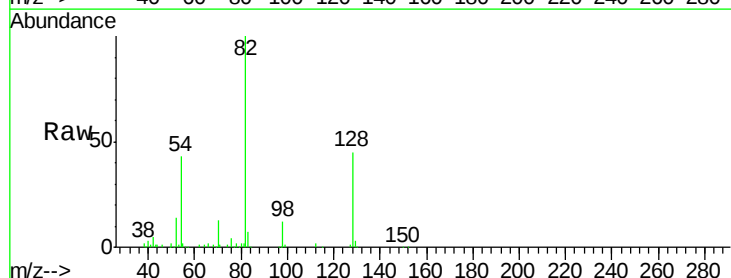
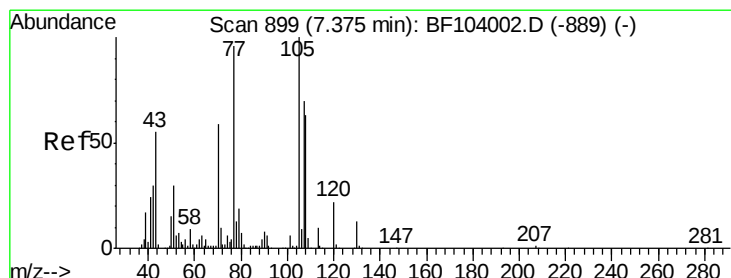
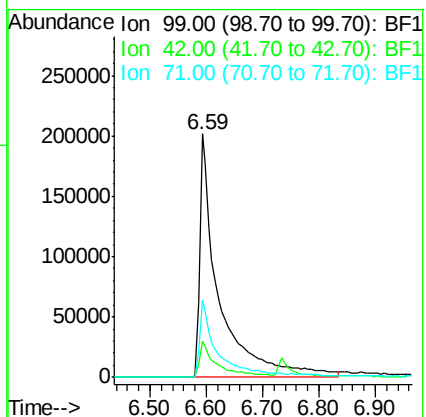
Tot Ion: 99 Resp: 479208

Ion Ratio Lower Upper

99 100

42 15.0 14.5 21.7

71 31.6 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 6.300 ng

RT: 7.53 min Scan# 925

Delta R.T. 0.15 min

Lab File: BF104075.D

Acq: 30 Mar 2018 3:05

Tgt Ion: 70 Resp: 32636

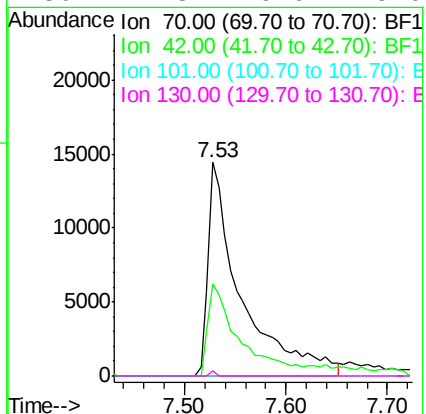
Ion Ratio Lower Upper

70 100

42 43.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF104075.D

Acq: 30 Mar 2018 3:05

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 488346

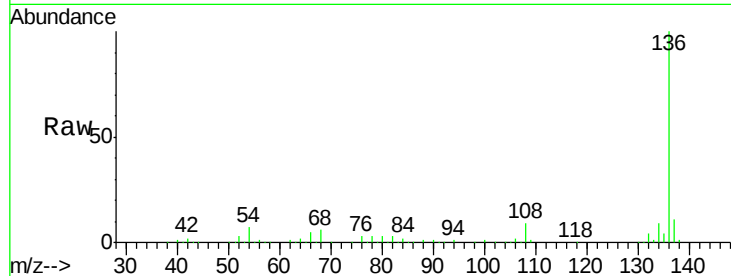
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 6.8 6.6 9.8

68 5.6 5.0 7.4

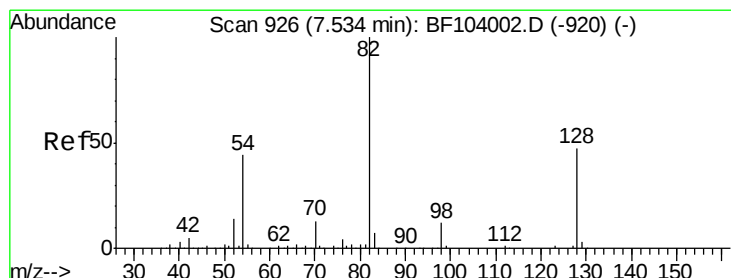
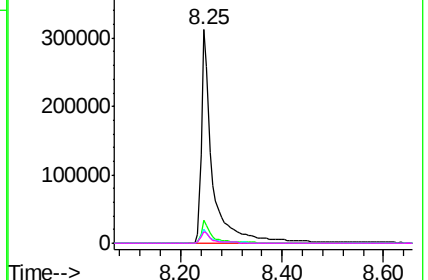
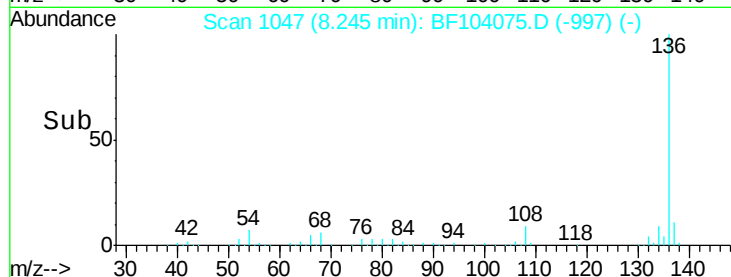


Abundance Ion 136.00 (135.70 to 136.70): E

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: 34.551 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.01 min

Lab File: BF104075.D

Acq: 30 Mar 2018 3:05

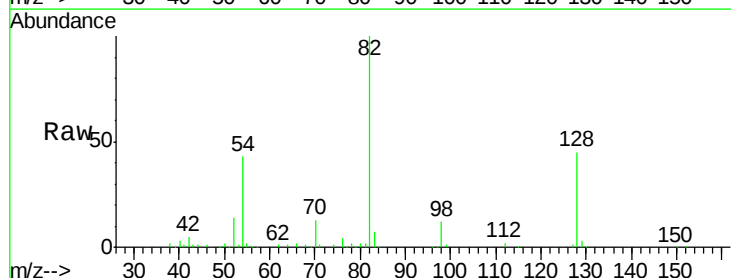
Tgt Ion: 82 Resp: 275901

Ion Ratio Lower Upper

82 100

128 45.2 36.1 54.1

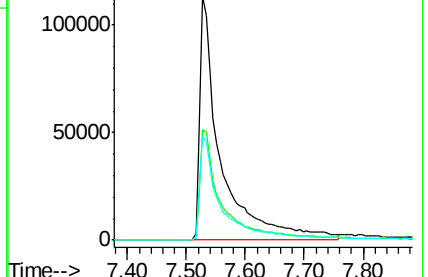
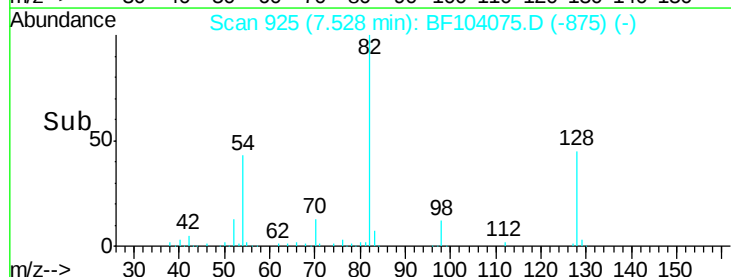
54 42.8 41.4 62.2

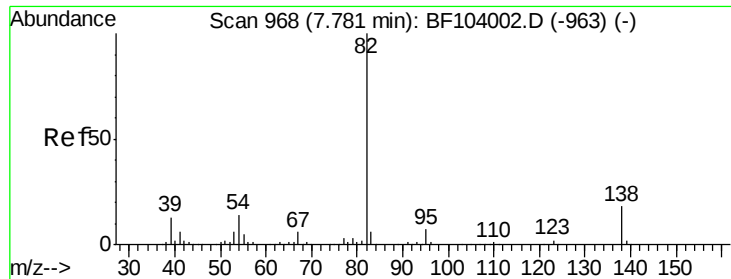


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 18.748 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.25 min

Lab File: BF104075.D

Acq: 30 Mar 2018 3:05

Instrument :

BNA_F

ClientSampleId :

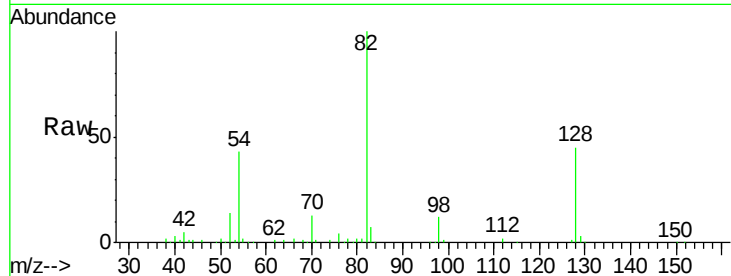
Tot Ion: 82 Resp: 275901

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

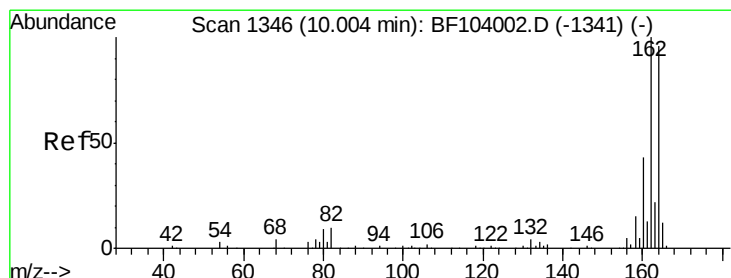
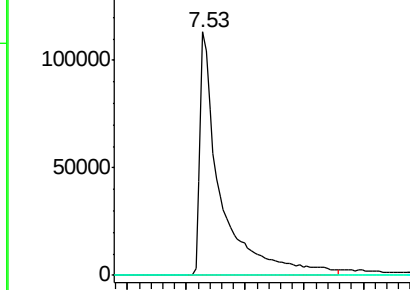
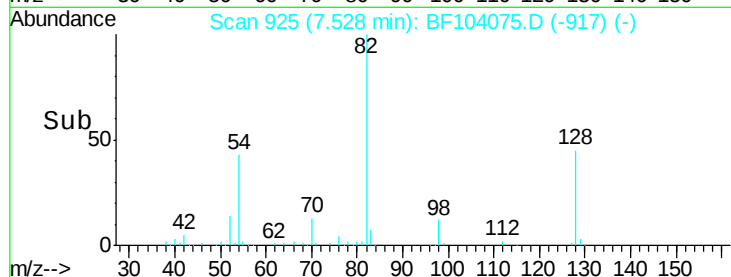
138 0.0 14.9 22.3#



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: 10.00 min Scan# 1346

Delta R.T. -0.00 min

Lab File: BF104075.D

Acq: 30 Mar 2018 3:05

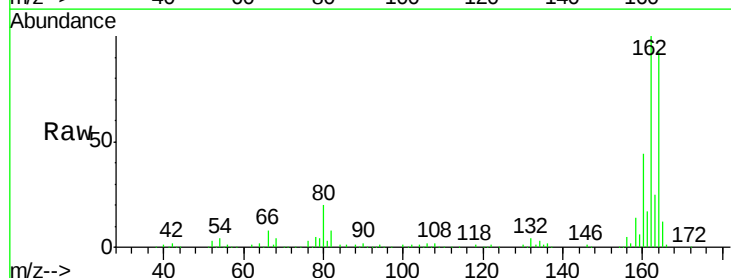
Tgt Ion:164 Resp: 207904

Ion Ratio Lower Upper

164 100

162 107.5 86.1 129.1

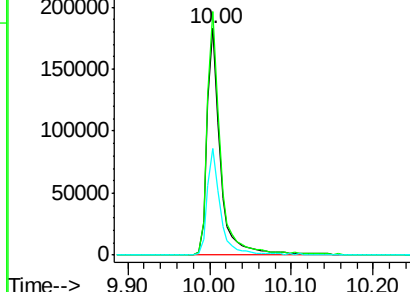
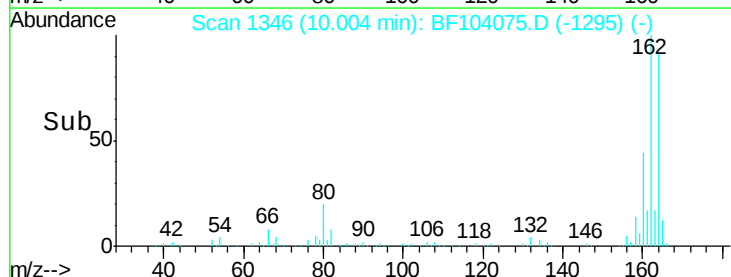
160 46.9 38.3 57.5

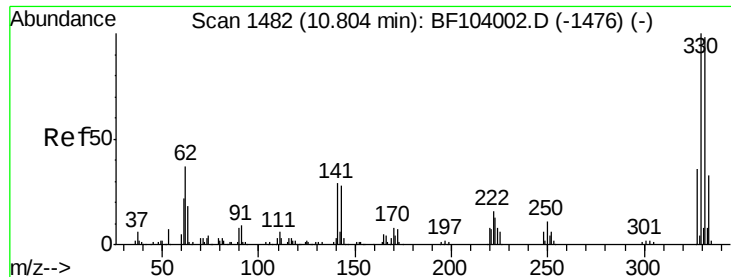


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

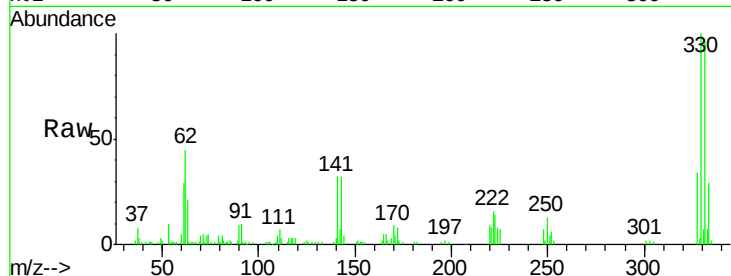




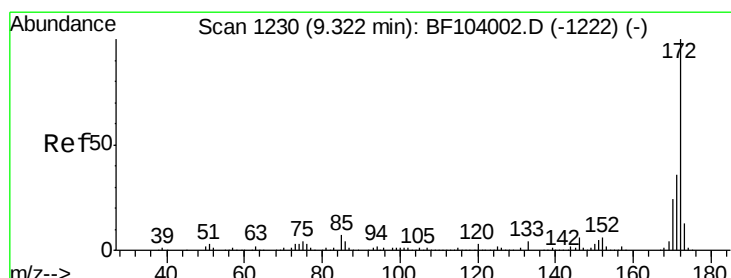
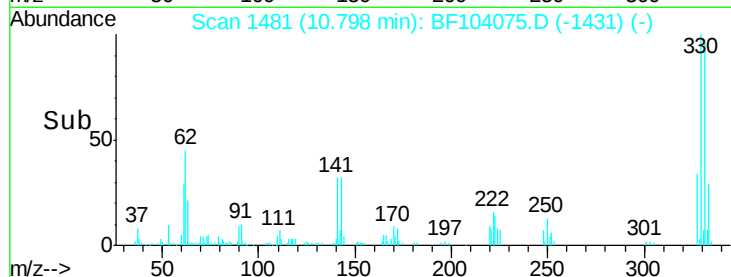
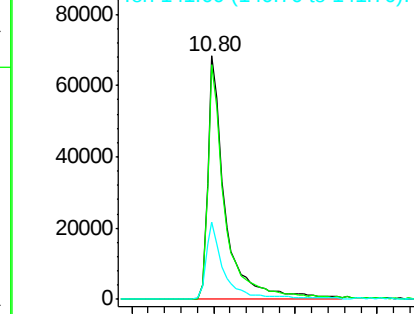
#41
 2,4,6-Tribromophenol
 Concen: 43.920 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: BF104075.D
 Acq: 30 Mar 2018 3:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.0	115.6
141	33.0	29.9	44.9

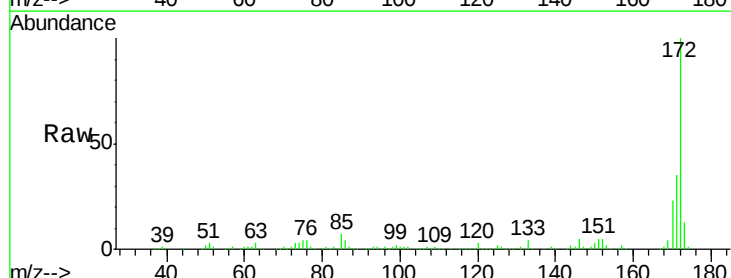


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

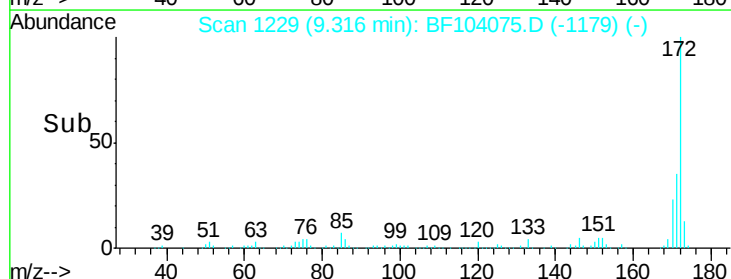
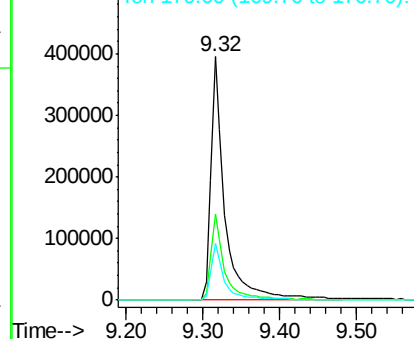


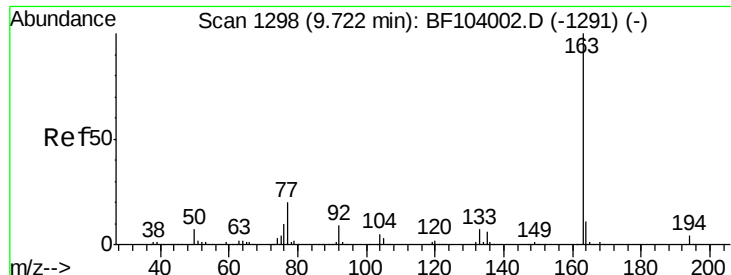
#44
 2-Fluorobiphenyl
 Concen: 38.133 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: BF104075.D
 Acq: 30 Mar 2018 3:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	23.2	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

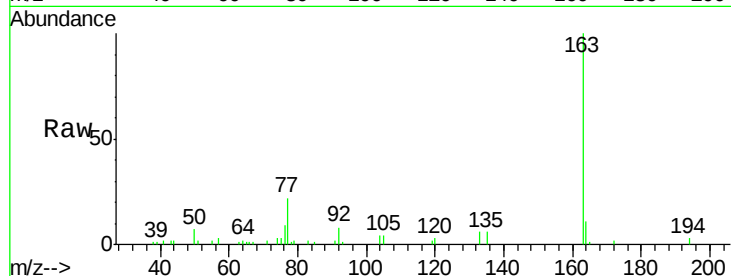




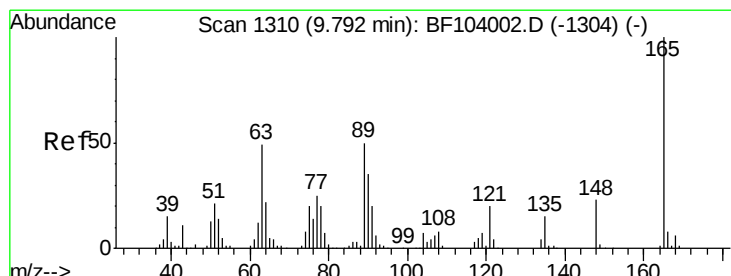
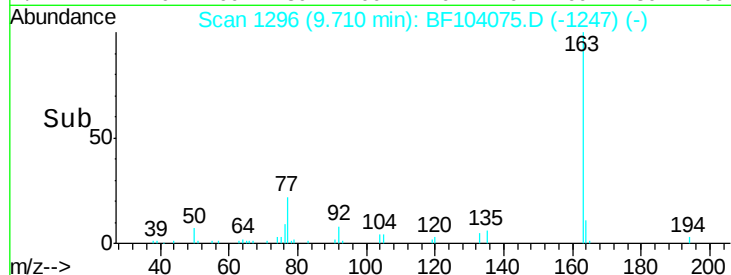
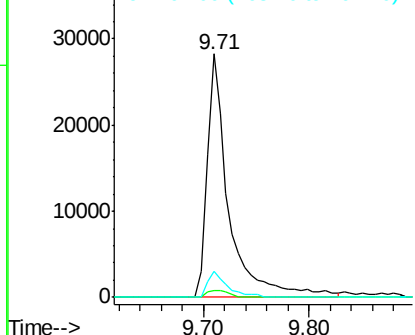
#49
Dimethylphthalate
Concen: 2.454 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF104075.D
Acq: 30 Mar 2018 3:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 40284
Ion Ratio Lower Upper
163 100
194 3.0 2.7 4.1
164 10.6 8.2 12.2

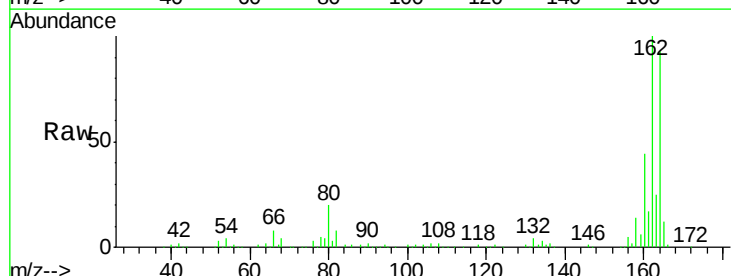


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

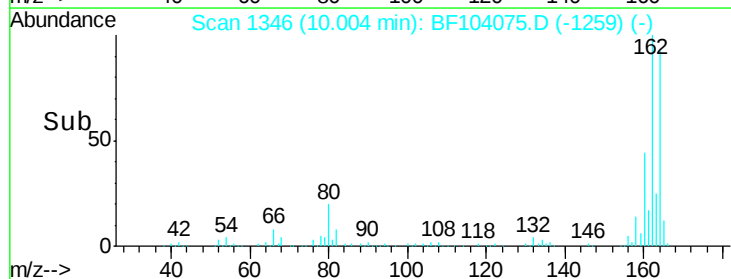
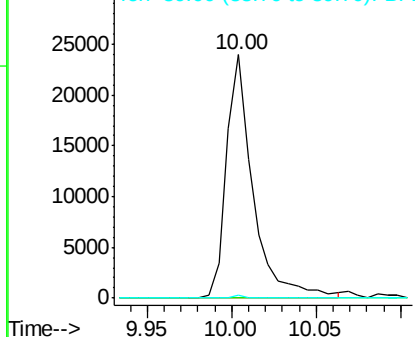


#50
2,6-Dinitrotoluene
Concen: 7.444 ng
RT: 10.00 min Scan# 1346
Delta R.T. 0.21 min
Lab File: BF104075.D
Acq: 30 Mar 2018 3:05

Tgt Ion:165 Resp: 26289
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 1.4 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

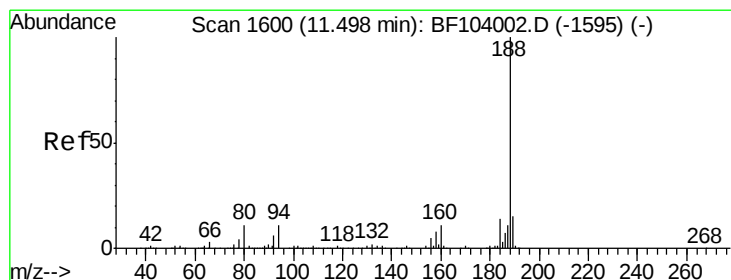
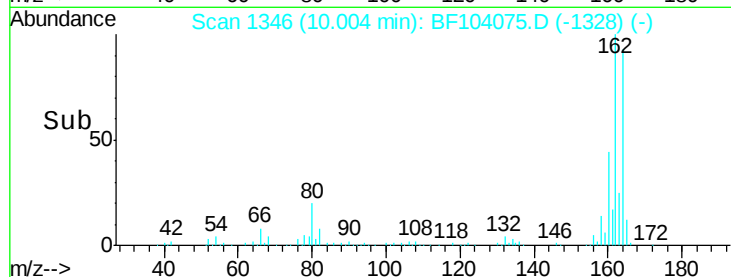
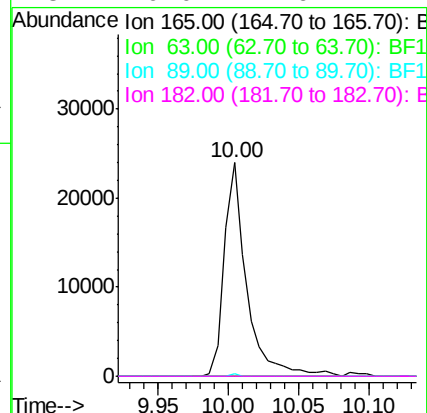
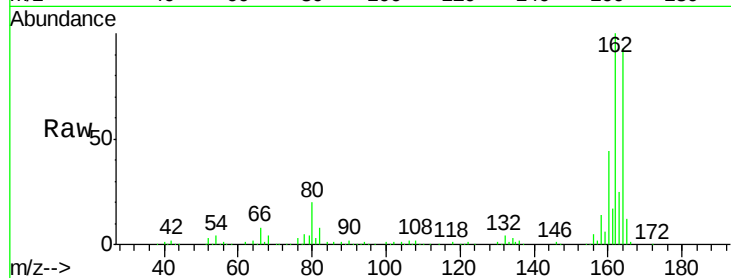




#56
2,4-Dinitrotoluene
Concen: 5.905 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.19 min
Lab File: BF104075.D
Acq: 30 Mar 2018 3:05

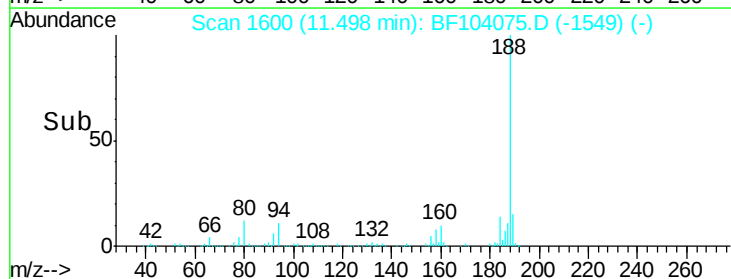
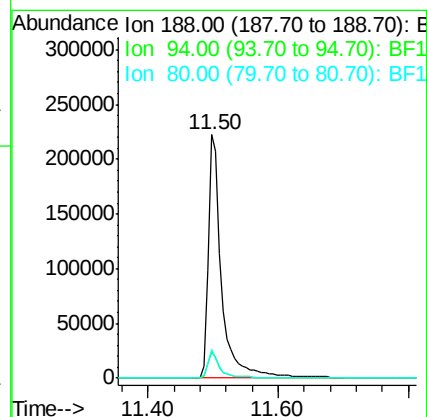
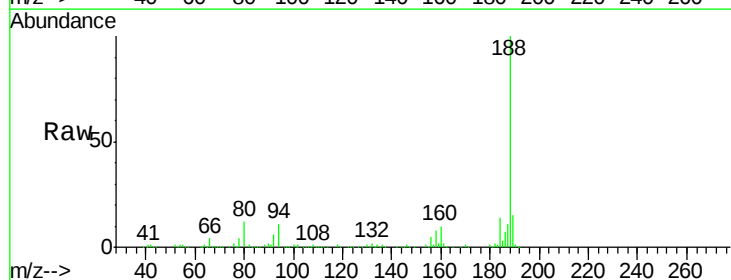
Instrument :
BNA_F
ClientSampleId :

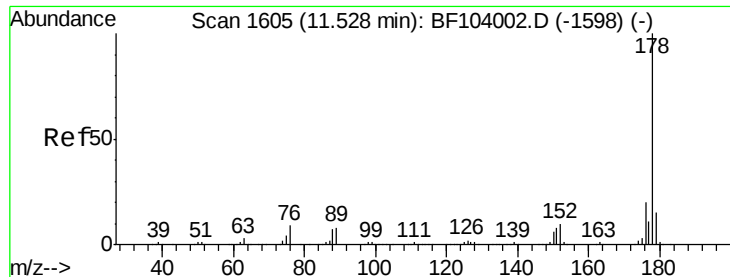
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.00 min
Lab File: BF104075.D
Acq: 30 Mar 2018 3:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.5	12.7
80	11.5	9.2	13.8





#70

Phenanthrene

Concen: 2.567 ng

RT: 11.53 min Scan# 1605

Delta R.T. -0.00 min

Lab File: BF104075.D

Acq: 30 Mar 2018 3:05

Instrument :

BNA_F

ClientSampleId :

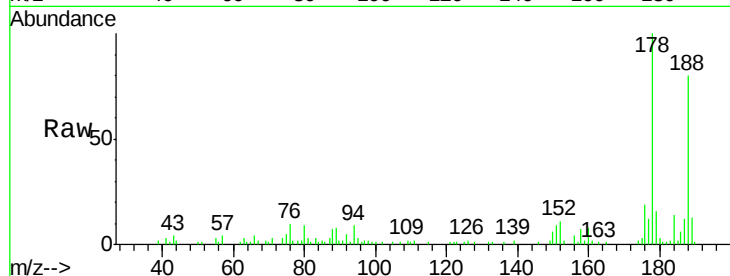
Tot Ion:178 Resp: 43842

Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.8

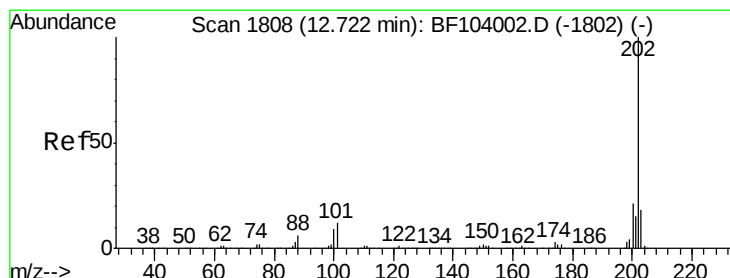
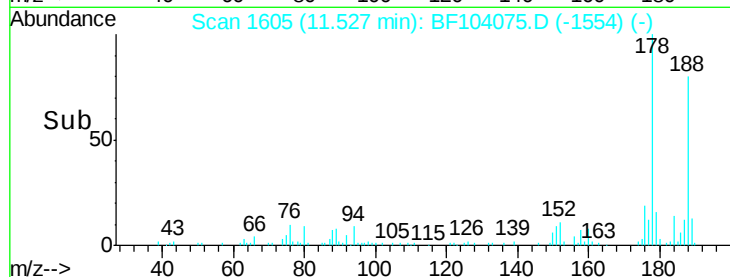
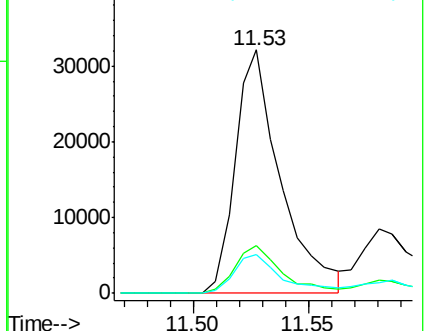
179 16.0 13.0 19.6



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



#74

Fluoranthene

Concen: 4.001 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BF104075.D

Acq: 30 Mar 2018 3:05

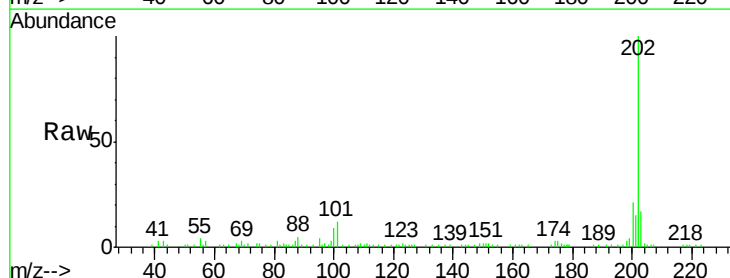
Tgt Ion:202 Resp: 72633

Ion Ratio Lower Upper

202 100

101 11.7 0.0 34.1

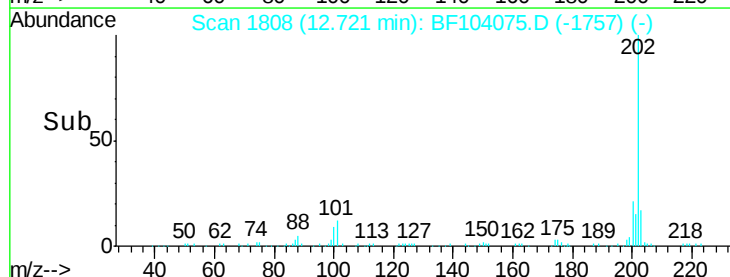
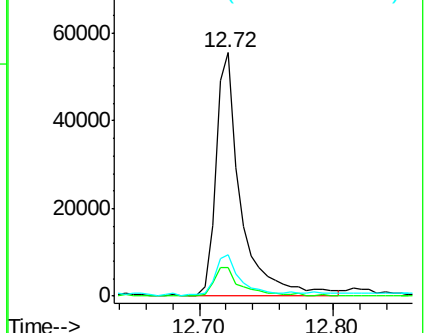
203 17.0 0.0 38.1

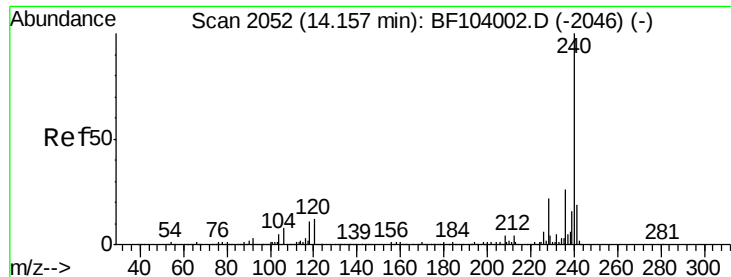


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.00 min

Lab File: BF104075.D

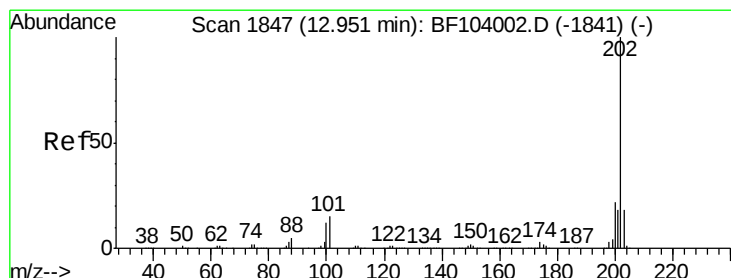
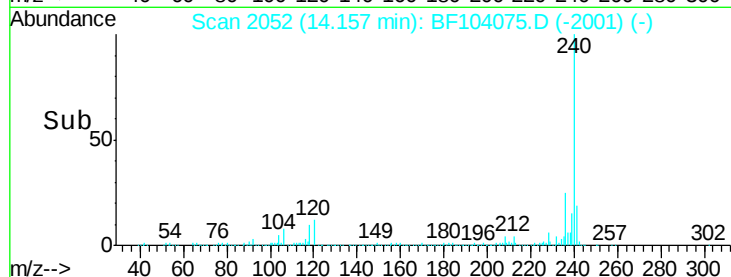
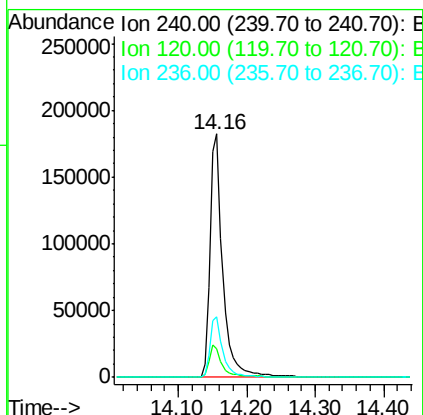
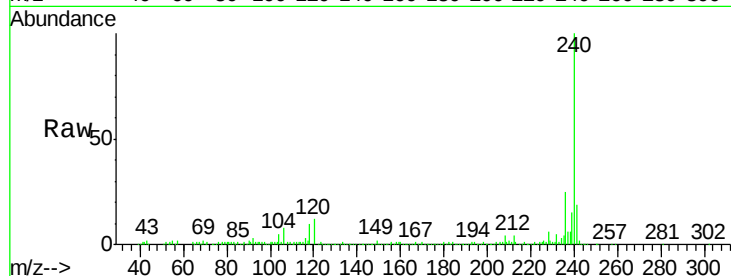
Acq: 30 Mar 2018 3:05

Instrument :

BNA_F

ClientSampled :

Tot Ion:240	Resp:	238047
Ion Ratio	Lower	Upper
240	100	
120	11.9	9.5 14.3
236	25.0	20.7 31.1



#77

Pyrene

Concen: 3.897 ng

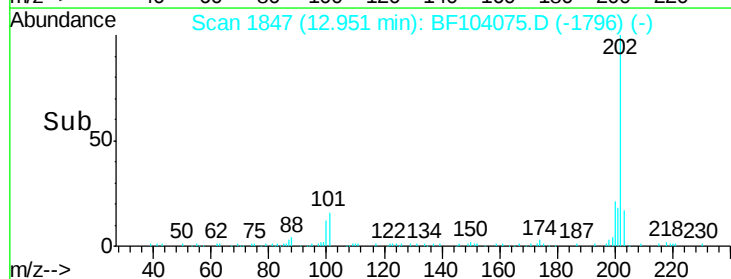
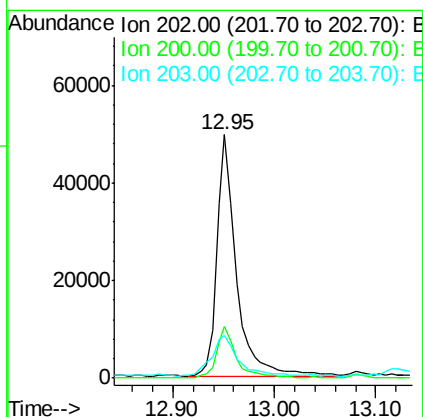
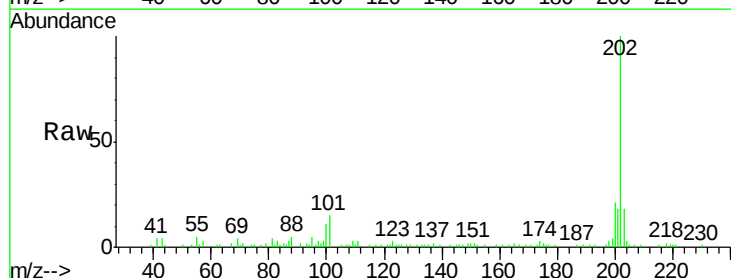
RT: 12.95 min Scan# 1847

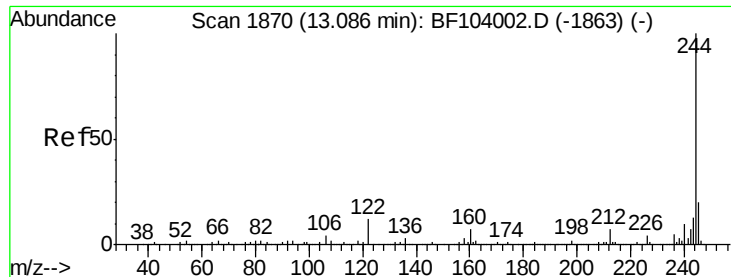
Delta R.T. -0.00 min

Lab File: BF104075.D

Acq: 30 Mar 2018 3:05

Tgt Ion:202	Resp:	66684
Ion Ratio	Lower	Upper
202	100	
200	21.1	17.4 26.2
203	17.8	14.3 21.5





#78

Terphenyl-d14

Concen: 31.817 ng

RT: 13.08 min Scan# 1869

Delta R.T. -0.01 min

Lab File: BF104075.D

Acq: 30 Mar 2018 3:05

Instrument :

BNA_F

ClientSampleId :

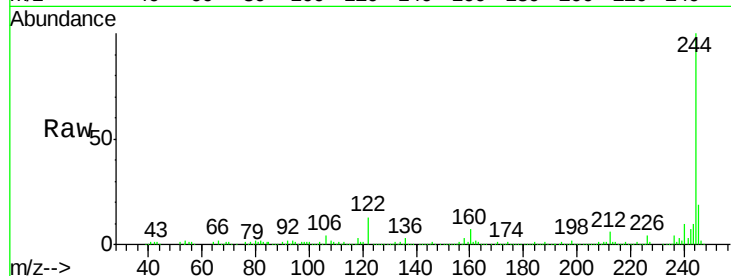
Tot Ion:244 Resp: 328023

Ion Ratio Lower Upper

244 100

212 6.1 5.4 8.0

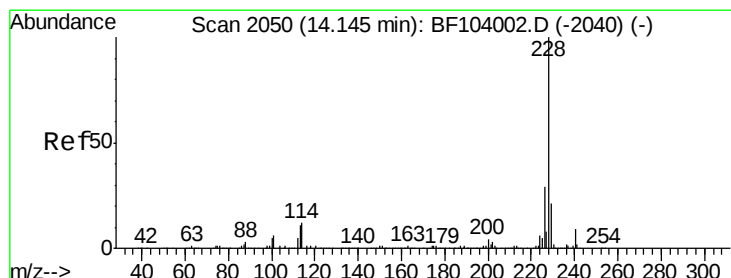
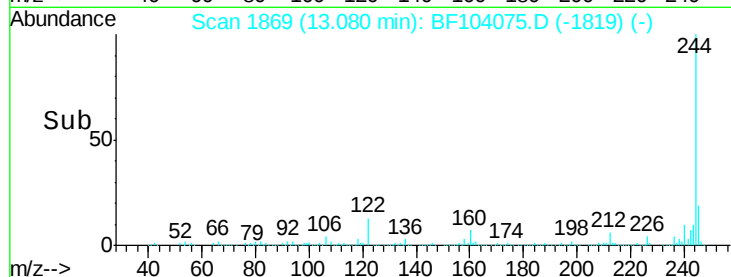
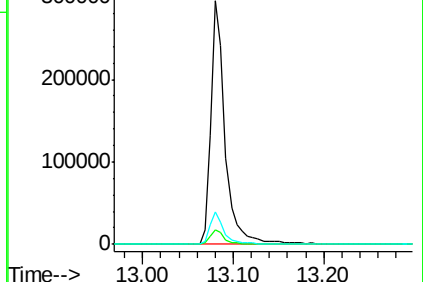
122 13.1 11.0 16.4



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: 2.104 ng

RT: 14.18 min Scan# 2056

Delta R.T. 0.04 min

Lab File: BF104075.D

Acq: 30 Mar 2018 3:05

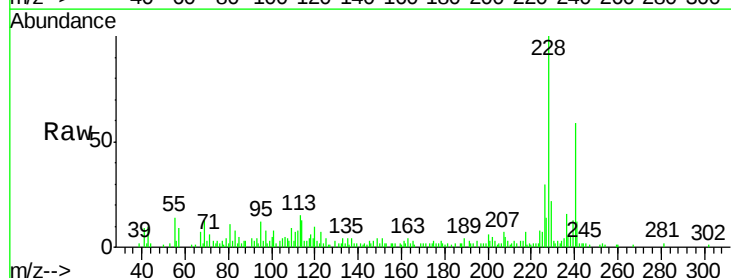
Tgt Ion:228 Resp: 31335

Ion Ratio Lower Upper

228 100

226 30.2 22.6 33.8

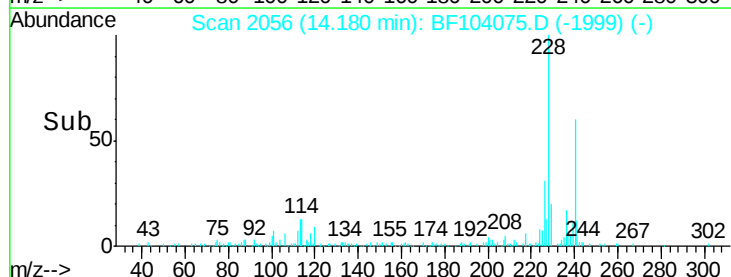
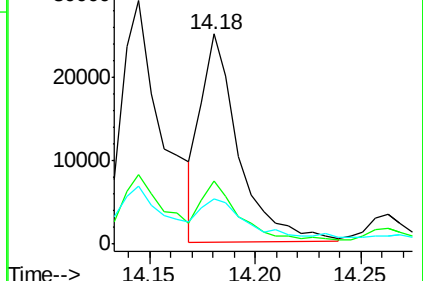
229 21.6 15.8 23.6

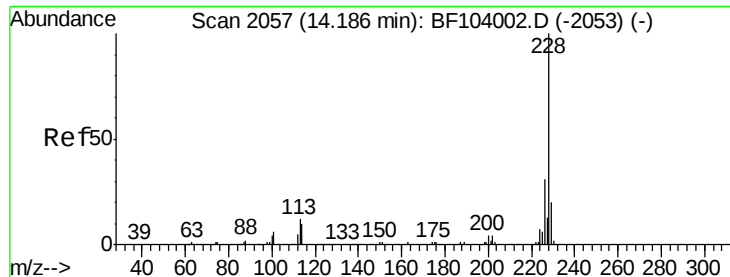


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.148 ng

RT: 14.18 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BF104075.D

Acq: 30 Mar 2018 3:05

Instrument :

BNA_F

ClientSampleId :

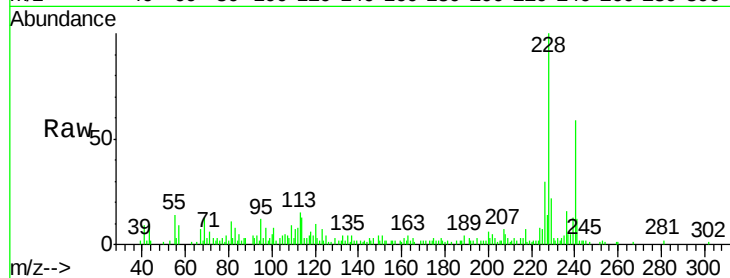
Tot Ion:228 Resp: 31335

Ion Ratio Lower Upper

228 100

226 30.2 25.0 37.6

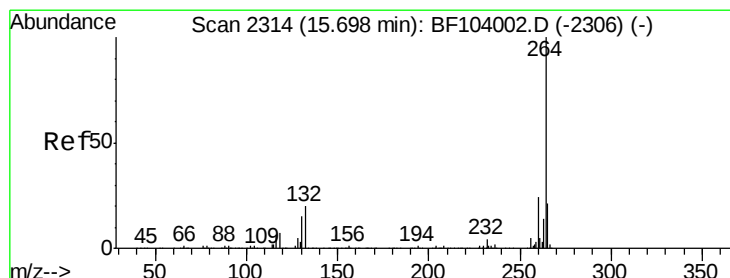
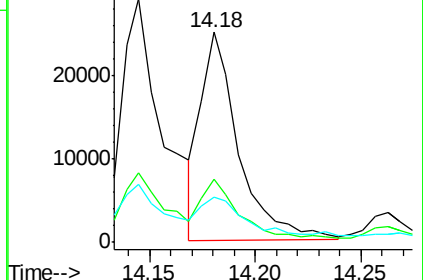
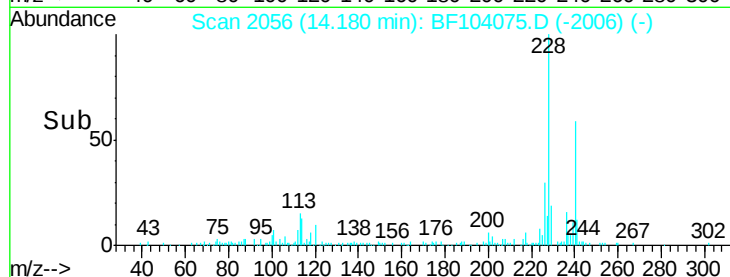
229 21.6 16.2 24.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.70 min Scan# 2314

Delta R.T. -0.00 min

Lab File: BF104075.D

Acq: 30 Mar 2018 3:05

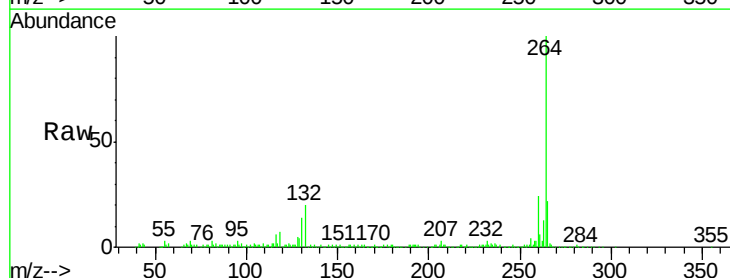
Tgt Ion:264 Resp: 233230

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

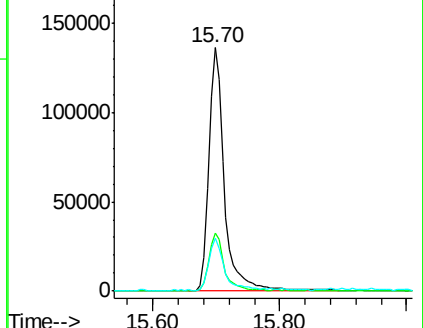
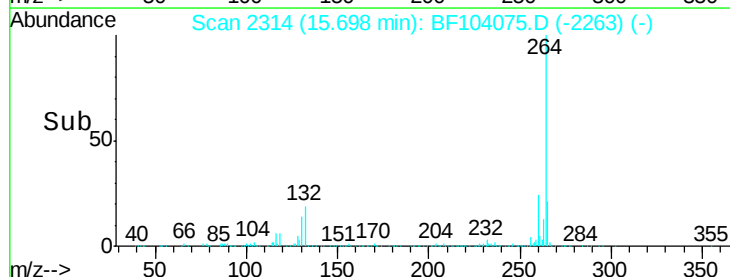
265 21.7 17.5 26.3

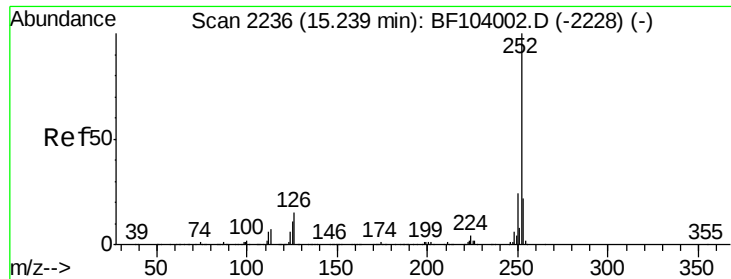


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

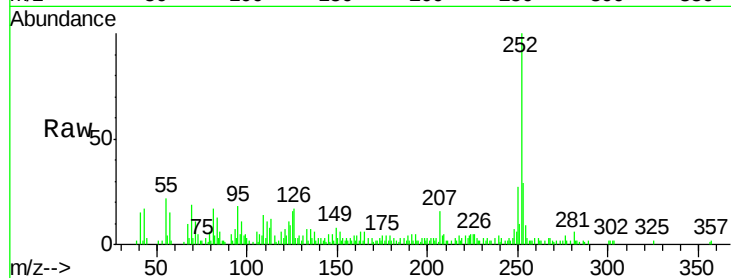




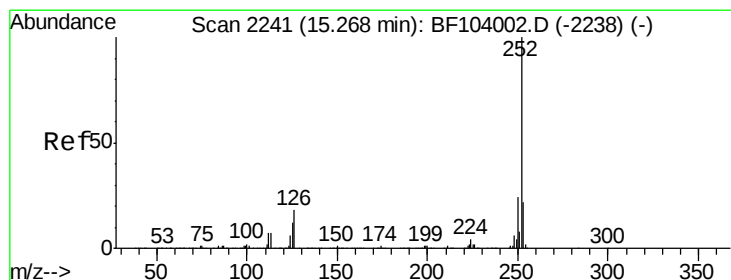
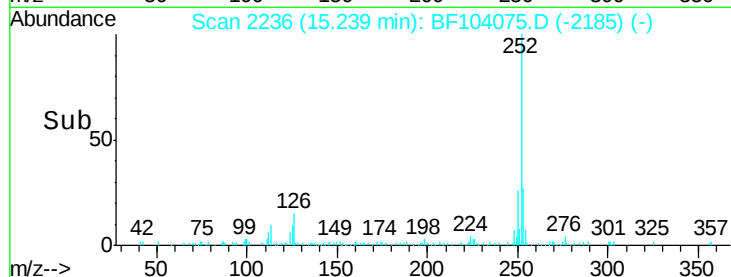
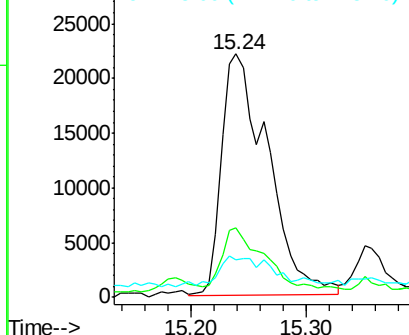
#87
Benzo(b)fluoranthene
Concen: 4.285 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.00 min
Lab File: BF104075.D
Acq: 30 Mar 2018 3:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.6	17.0	25.6#
125	15.6	9.0	13.6#

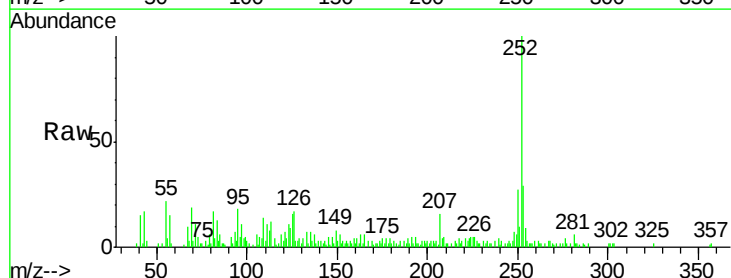


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

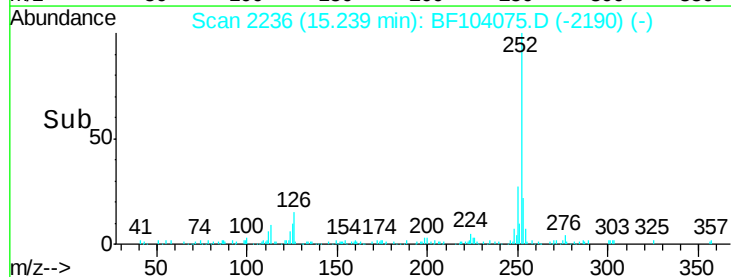
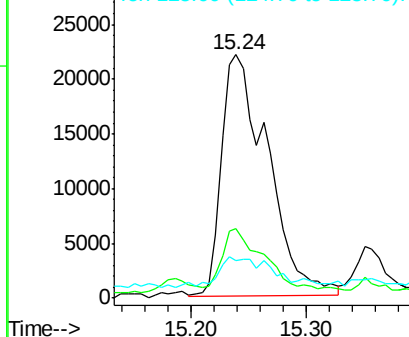


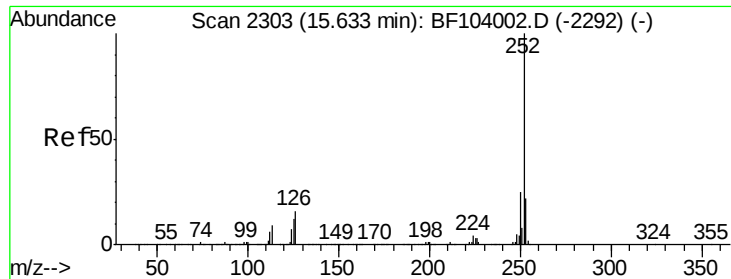
#88
Benzo(k)fluoranthene
Concen: 4.549 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.03 min
Lab File: BF104075.D
Acq: 30 Mar 2018 3:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.6	17.9	26.9#
125	15.6	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: 2.497 ng

RT: 15.63 min Scan# 2303

Delta R.T. -0.00 min

Lab File: BF104075.D

Acq: 30 Mar 2018 3:05

Instrument :

BNA_F

ClientSampleId :

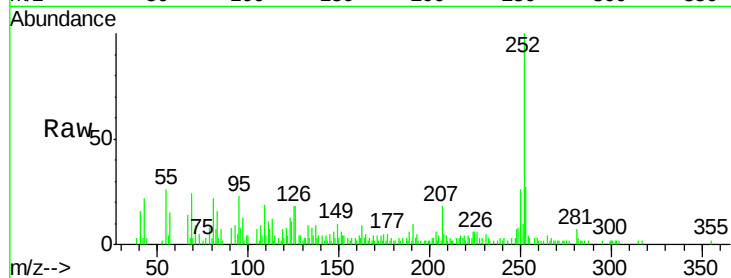
Tot Ion: 252 Resp: 32850

Ion Ratio Lower Upper

252 100

253 26.6 17.1 25.7#

125 18.4 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

