

Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
 Data File : BF102756.D
 Acq On : 6 Feb 2018 00:23
 Operator : SJ/JU
 Sample : J1447-05
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 06 02:37:30 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	195783	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	808732	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	350342	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	538895	20.00	ng	0.00
75) Chrysene-d12	14.04	240	324356	20.00	ng	0.00
86) Perylene-d12	15.52	264	311031	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1305262	101.25	ng	0.00
7) Phenol-d6	6.50	99	1522939	98.11	ng	0.00
23) Nitrobenzene-d5	7.44	82	948972	81.40	ng	-0.01
41) 2,4,6-Tribromophenol	10.71	330	279039	98.96	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1375387	65.14	ng	0.00
78) Terphenyl-d14	12.99	244	877120	64.03	ng	0.00

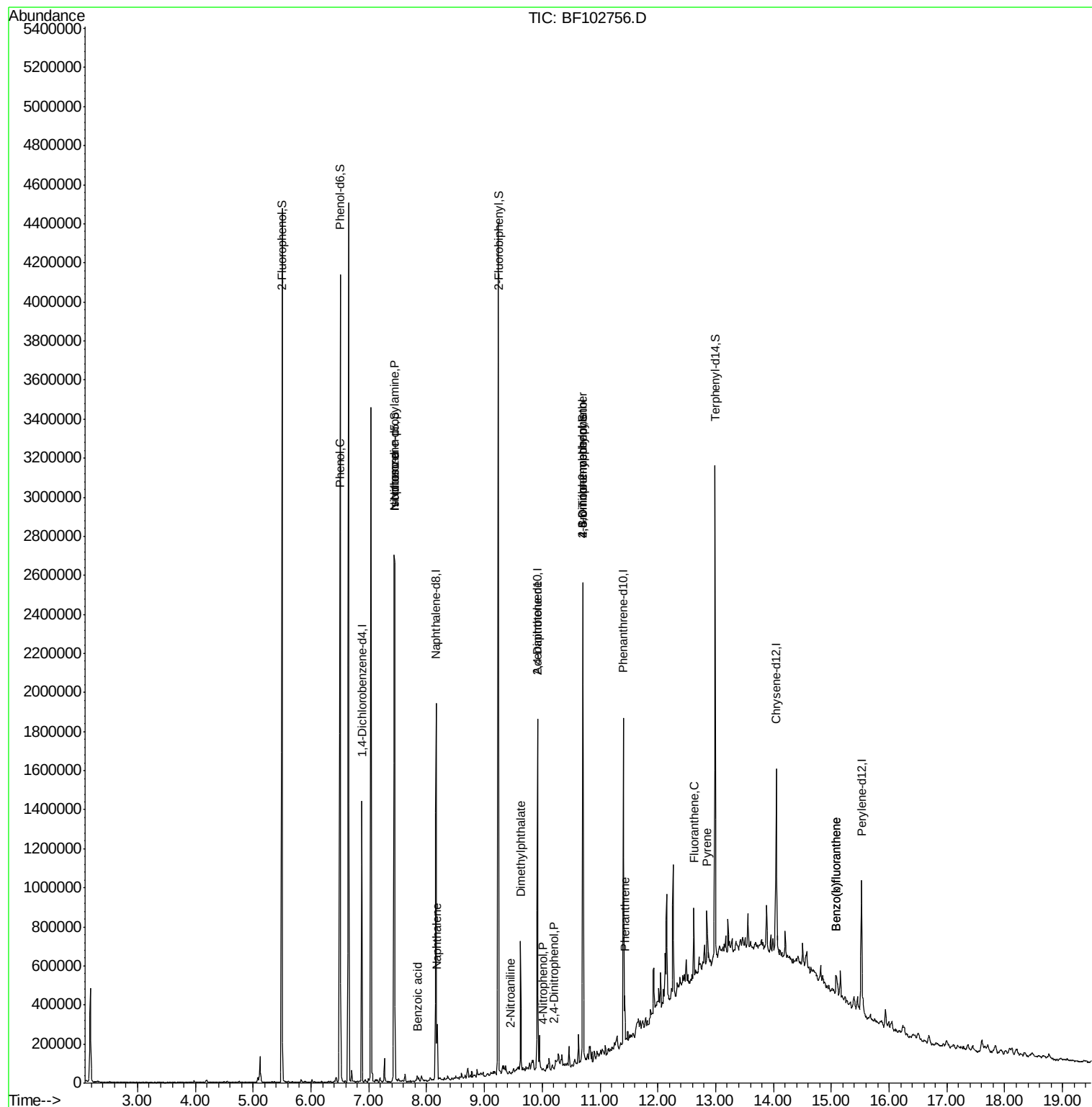
Target Compounds				Qvalue		
10) Phenol	6.52	94	76661	4.608	ng	98
19) n-Nitroso-di-n-propylamine	7.44	70	124565	12.171	ng	# 85
25) Isophorone	7.44	82	946875	35.272	ng	# 64
31) Naphthalene	8.18	128	129525	3.278	ng	99
32) Benzoic acid	7.84	122	9029	9.630	ng	96
47) 2-Nitroaniline	9.45	65	294	3.510	ng	# 33
49) Dimethylphthalate	9.63	163	223125	8.168	ng	99
53) 2,4-Dinitrophenol	10.20	184	109	8.036	ng	# 1
55) 4-Nitrophenol	10.02	139	650	4.141	ng	# 1
56) 2,4-Dinitrotoluene	9.92	165	47564	9.462	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	761	9.106	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	19198	3.368	ng	# 1
70) Phenanthrene	11.43	178	76938	2.563	ng	98
74) Fluoranthene	12.62	202	120142	3.979	ng	99
77) Pyrene	12.85	202	105900	4.164	ng	97
87) Benzo(b)fluoranthene	15.09	252	69816	3.462	ng	# 83
88) Benzo(k)fluoranthene	15.09	252	69816	3.623	ng	# 86

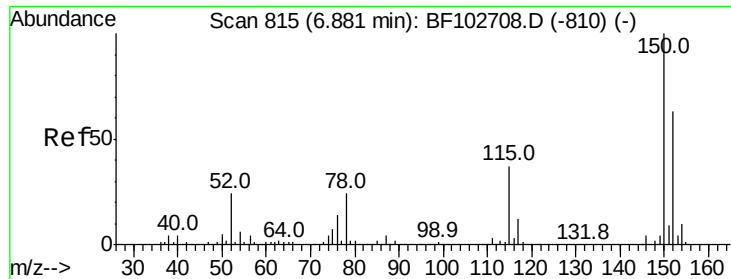
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
Data File : BF102756.D
Acq On : 6 Feb 2018 00:23
Operator : SJ/JU
Sample : J1447-05
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Feb 06 02:37:30 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 05 12:44:16 2018
Response via : Initial Calibration



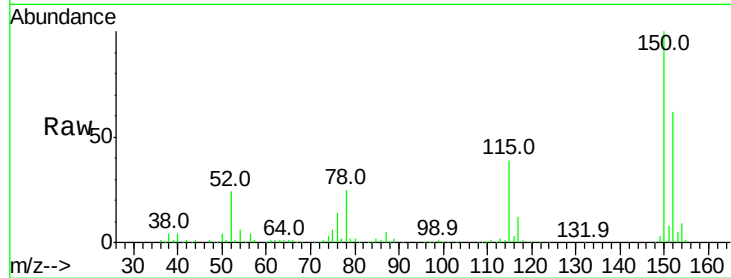


#1

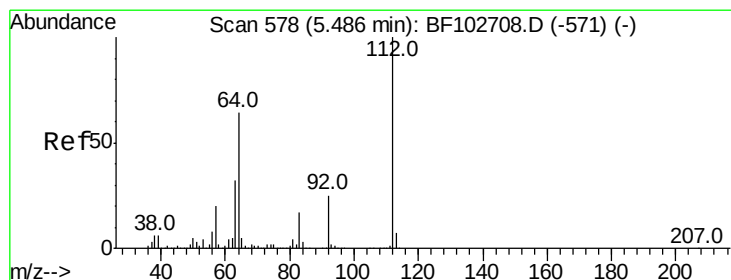
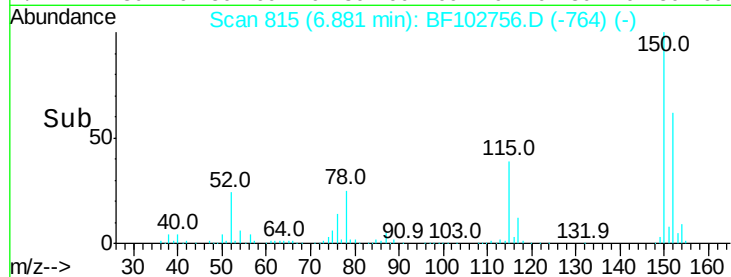
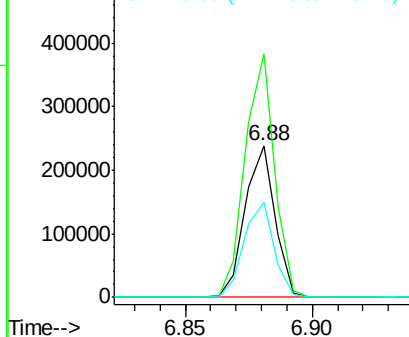
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF102756.D
Acq: 6 Feb 2018 00:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 195783
Ion Ratio Lower Upper
152 100
150 160.1 124.6 186.8
115 62.7 50.1 75.1



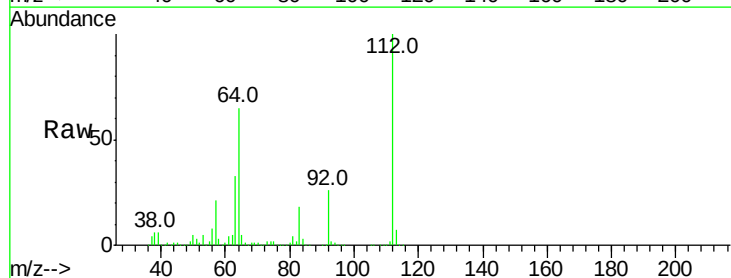
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



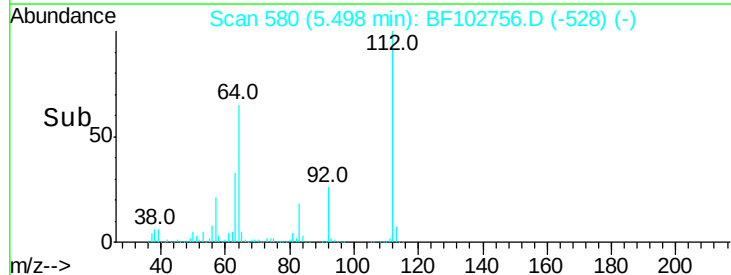
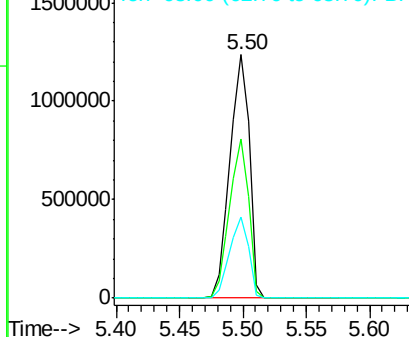
#5

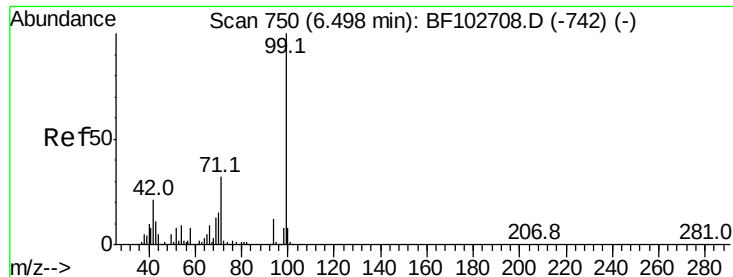
2-Fluorophenol
Concen: 101.248 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF102756.D
Acq: 6 Feb 2018 00:23

Tgt Ion:112 Resp: 1305262
Ion Ratio Lower Upper
112 100
64 65.2 47.9 71.9
63 33.4 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: 98.111 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF102756.D

Acq: 6 Feb 2018 00:23

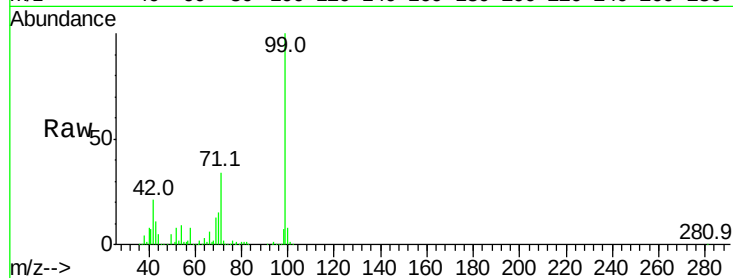
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1522939

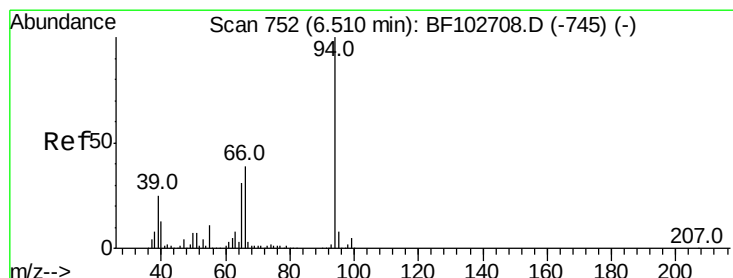
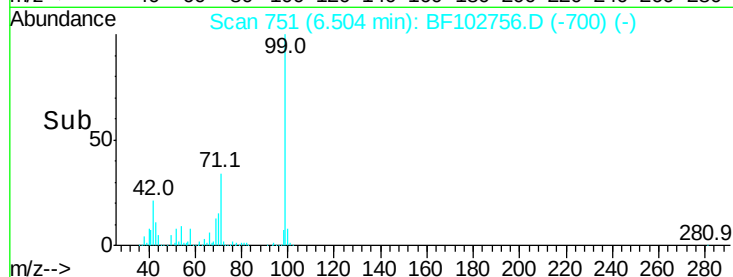
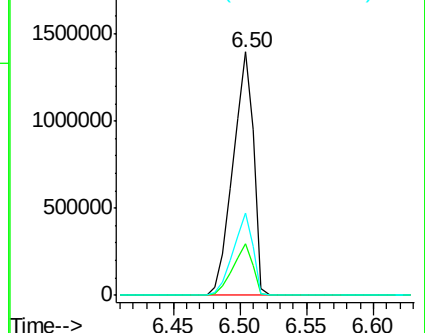
Ion	Ratio	Lower	Upper
99	100		
42	21.0	14.5	21.7
71	33.8	25.4	38.0



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



#10

Phenol

Concen: 4.608 ng

RT: 6.52 min Scan# 753

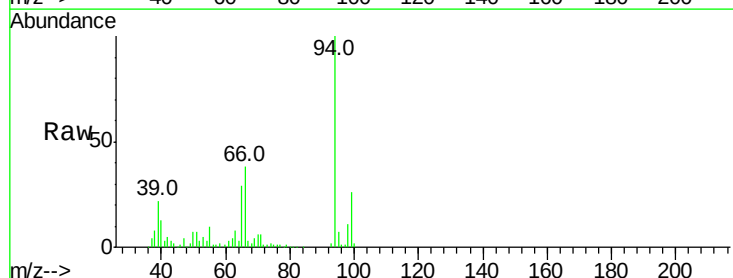
Delta R.T. -0.01 min

Lab File: BF102756.D

Acq: 6 Feb 2018 00:23

Tgt Ion: 94 Resp: 76661

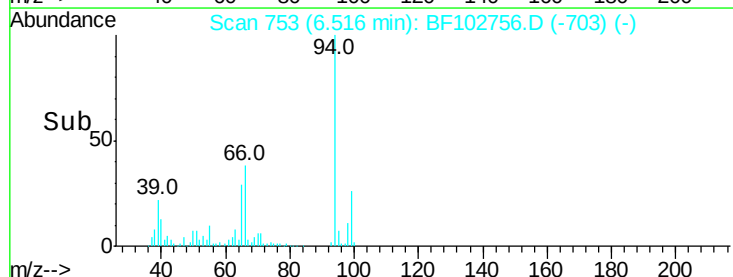
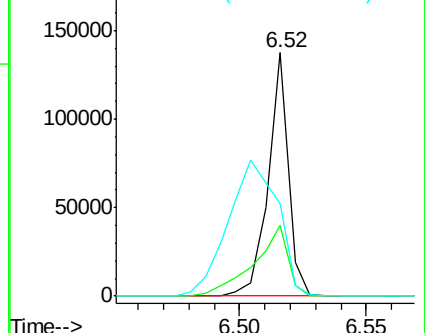
Ion	Ratio	Lower	Upper
94	100		
65	29.0	7.9	47.9
66	37.8	16.2	56.2

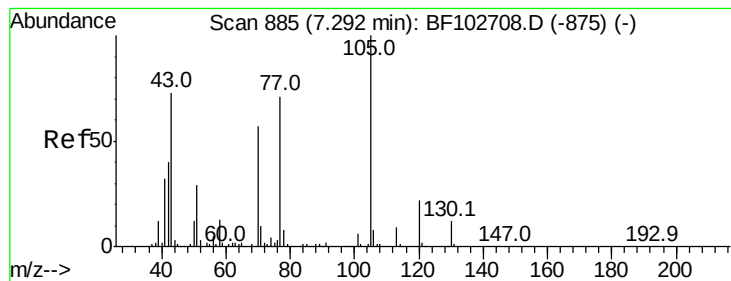


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 12.171 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.14 min

Lab File: BF102756.D

Acq: 6 Feb 2018 00:23

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 124565

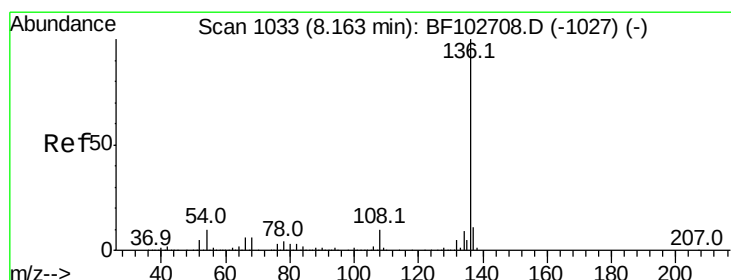
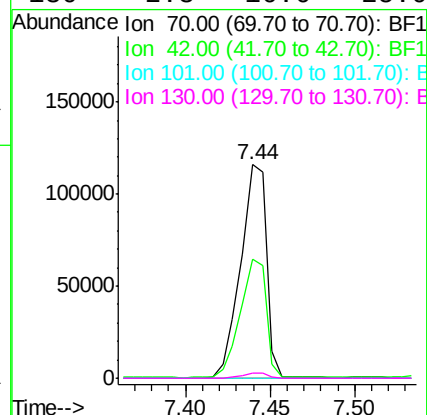
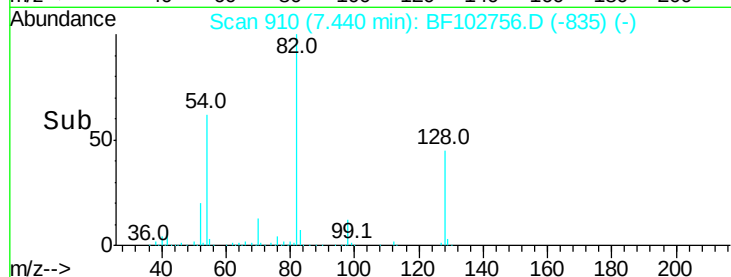
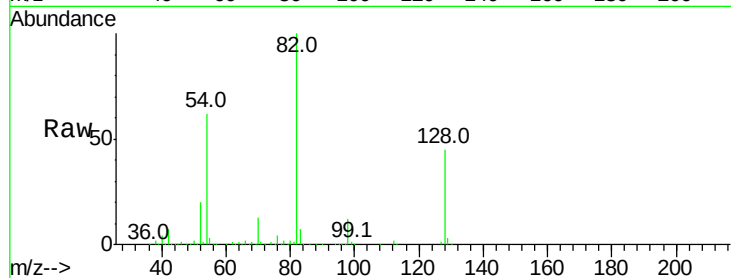
Ion Ratio Lower Upper

70 100

42 55.6 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: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF102756.D

Acq: 6 Feb 2018 00:23

Tgt Ion:136 Resp: 808732

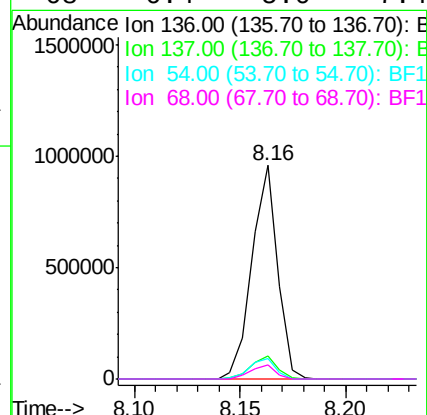
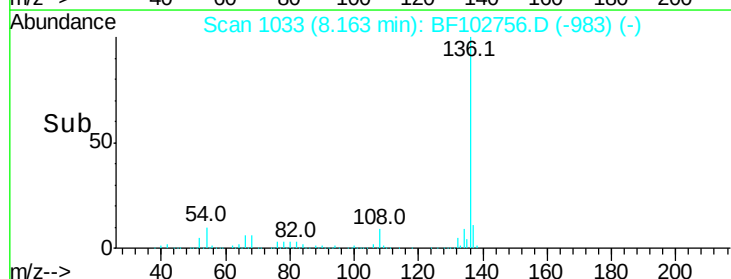
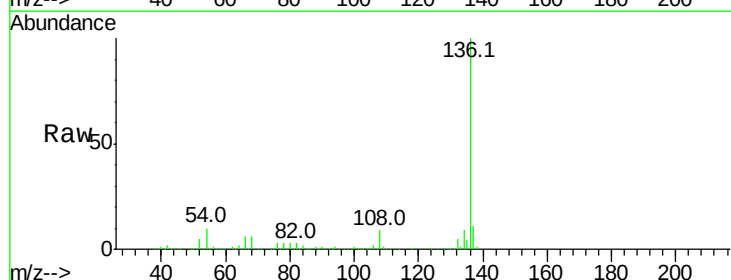
Ion Ratio Lower Upper

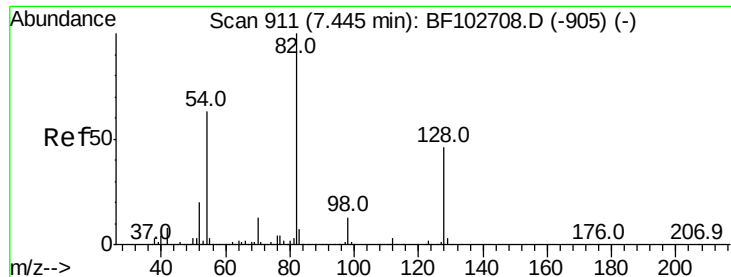
136 100

137 11.1 8.9 13.3

54 9.7 6.6 9.8

68 6.4 5.0 7.4

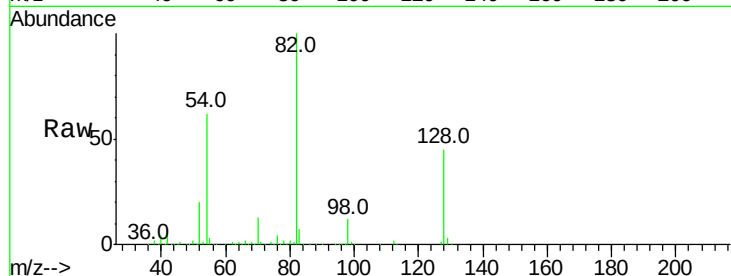




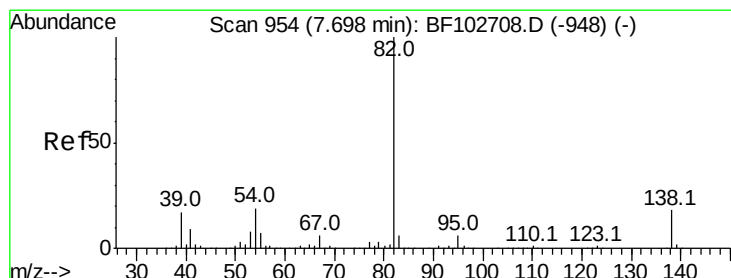
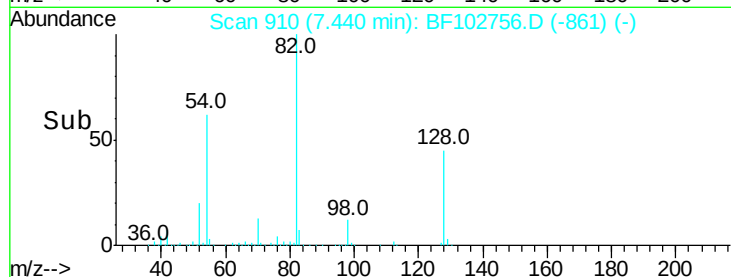
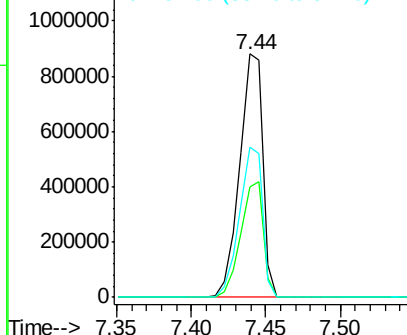
#23
 Nitrobenzene-d5
 Concen: 81.400 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: BF102756.D
 Acq: 6 Feb 2018 00:23

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 948972
 Ion Ratio Lower Upper
 82 100
 128 45.4 36.1 54.1
 54 61.6 41.4 62.2

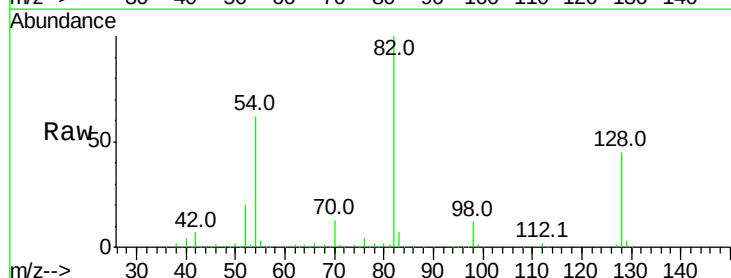


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

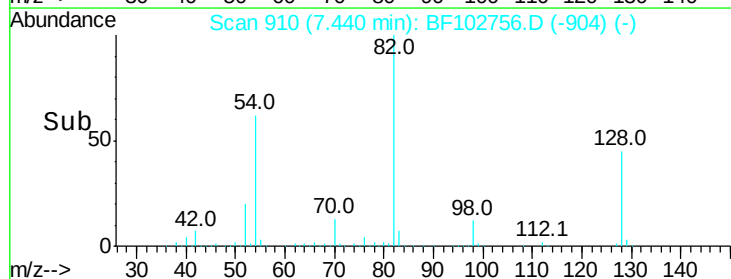
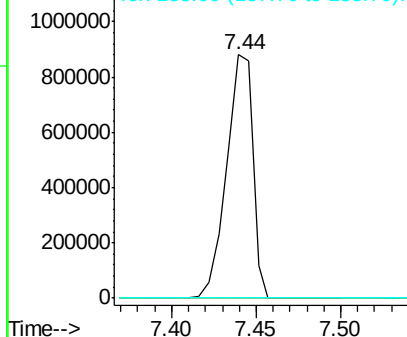


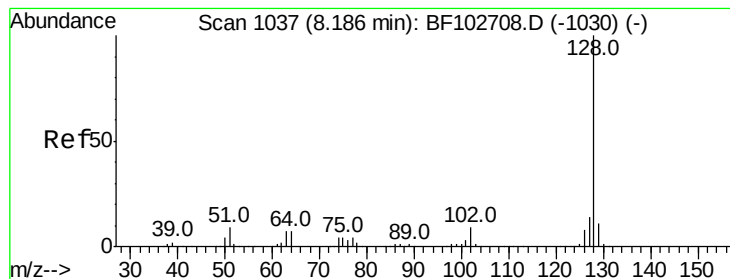
#25
 Isophorone
 Concen: 35.272 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.26 min
 Lab File: BF102756.D
 Acq: 6 Feb 2018 00:23

Tgt Ion: 82 Resp: 946875
 Ion Ratio Lower Upper
 82 100
 95 0.1 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





#31

Naphthalene

Concen: 3.278 ng

RT: 8.18 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BF102756.D

Acq: 6 Feb 2018 00:23

Instrument :

BNA_F

ClientSampleId :

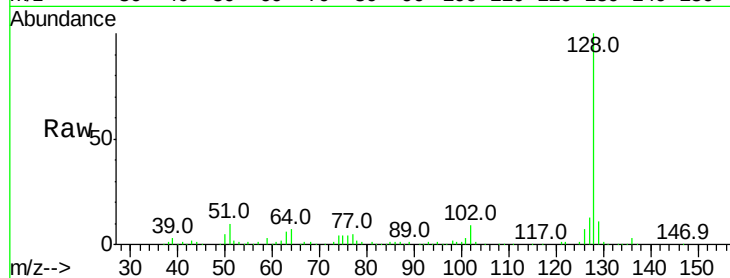
Tot Ion:128 Resp: 129525

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

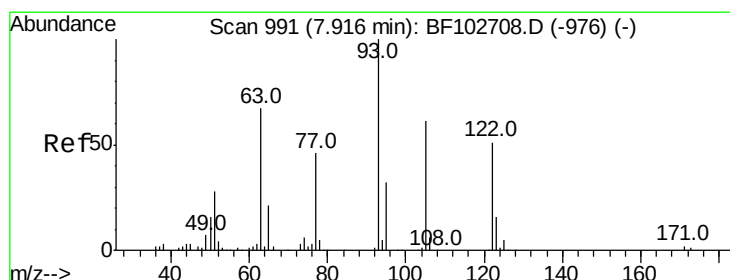
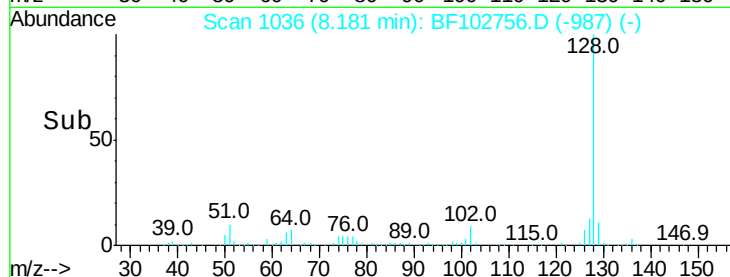
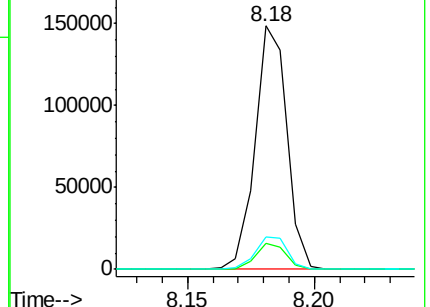
127 13.1 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 9.630 ng

RT: 7.84 min Scan# 978

Delta R.T. -0.09 min

Lab File: BF102756.D

Acq: 6 Feb 2018 00:23

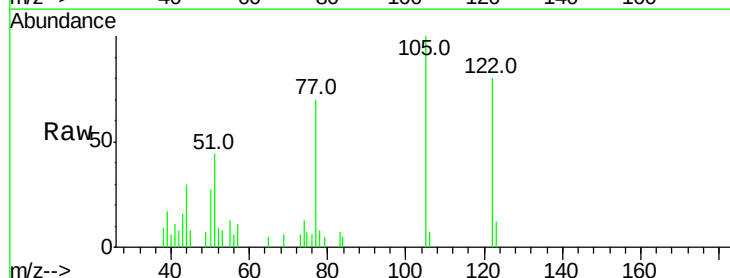
Tgt Ion:122 Resp: 9029

Ion Ratio Lower Upper

122 100

105 125.1 101.1 141.1

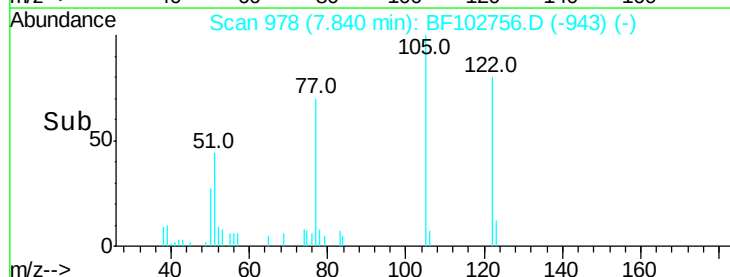
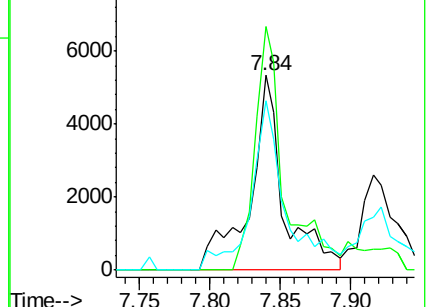
77 87.0 70.7 110.7

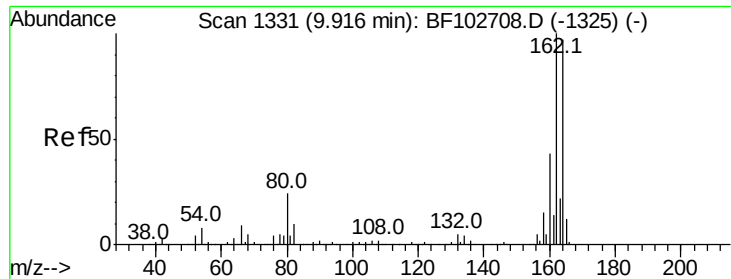


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

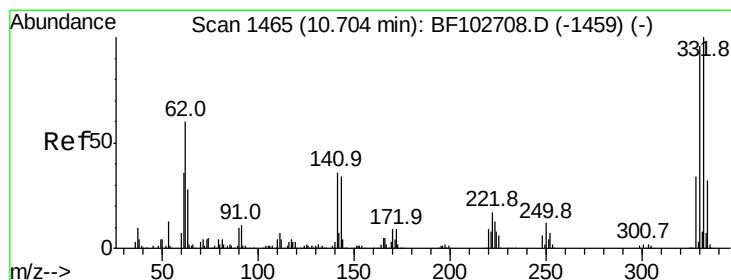
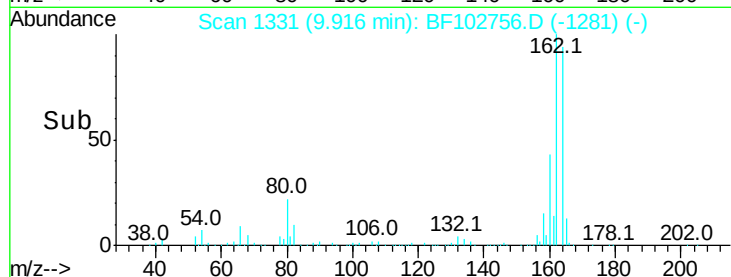
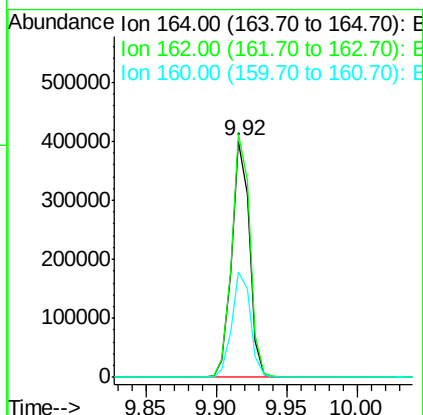
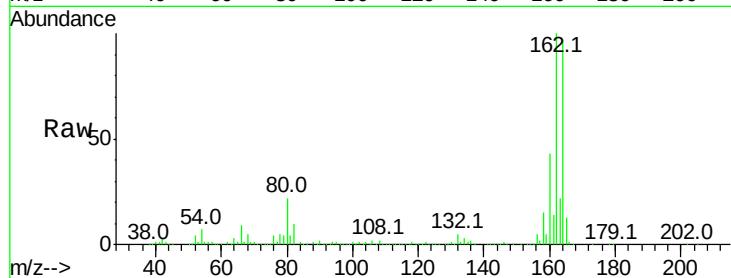




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF102756.D
 Acq: 6 Feb 2018 00:23

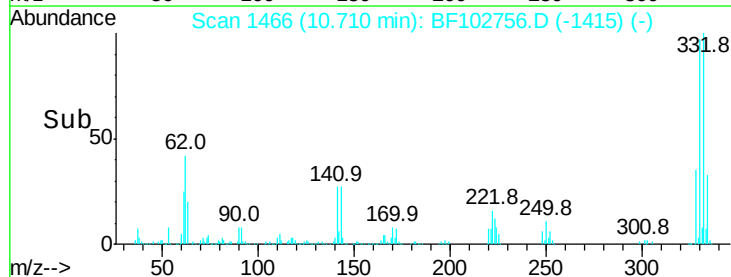
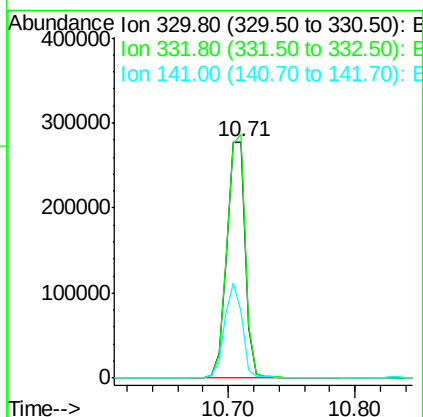
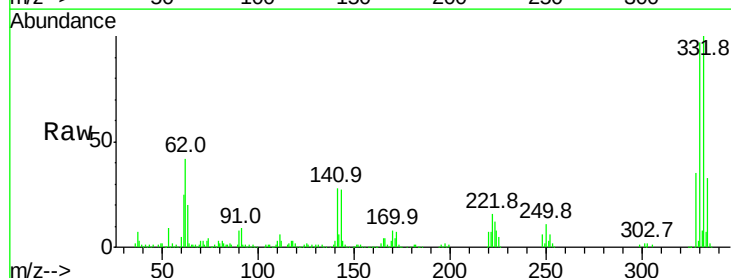
Instrument :
 BNA_F
 ClientSampleId :

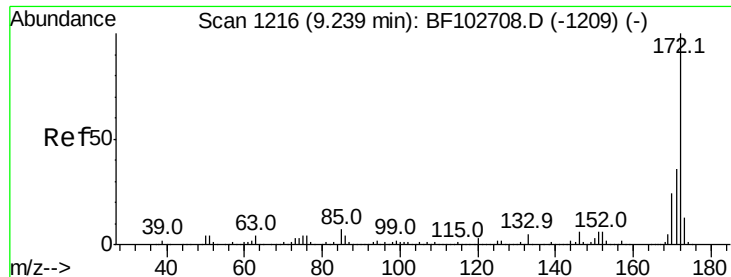
Tot Ion:164 Resp: 350342
 Ion Ratio Lower Upper
 164 100
 162 103.0 86.1 129.1
 160 44.6 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 98.955 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: BF102756.D
 Acq: 6 Feb 2018 00:23

Tgt Ion:330 Resp: 279039
 Ion Ratio Lower Upper
 330 100
 332 101.4 77.0 115.6
 141 39.1 29.9 44.9



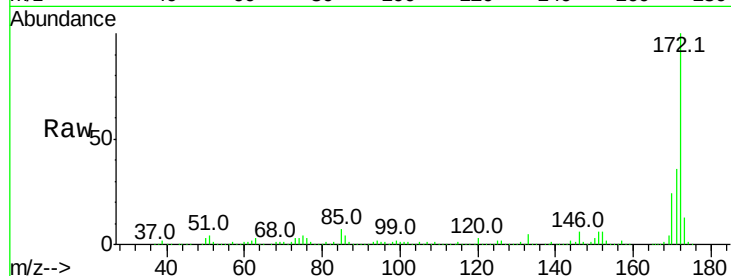


#44
 2-Fluorobiphenyl
 Concen: 65.144 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF102756.D
 Acq: 6 Feb 2018 00:23

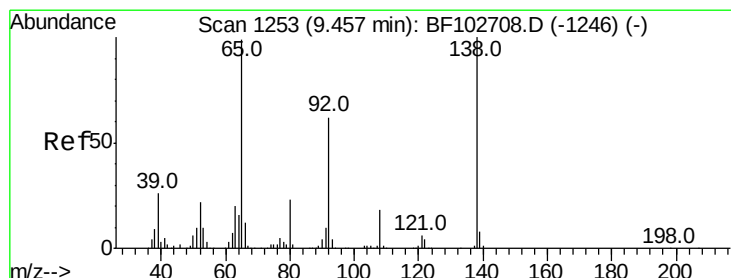
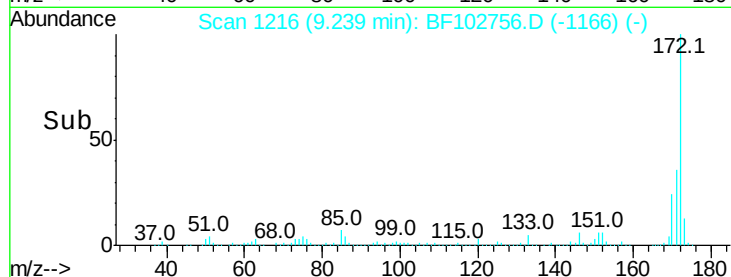
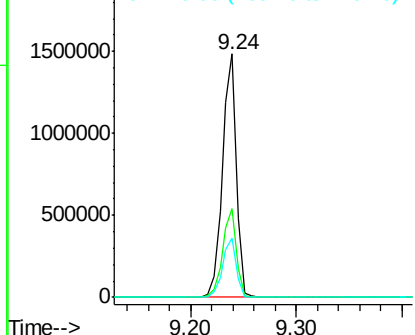
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1375387

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.4	19.6	29.4



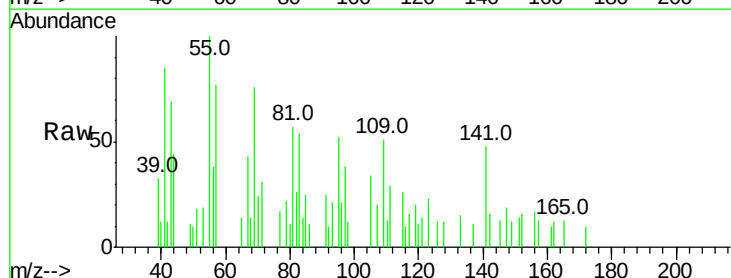
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



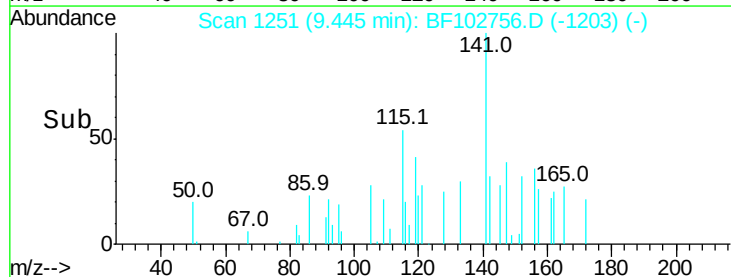
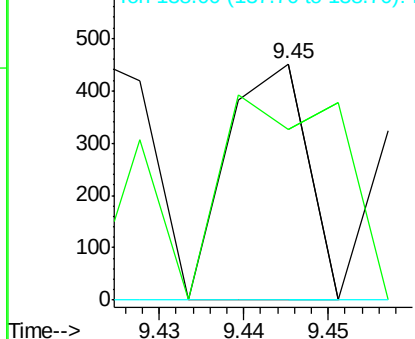
#47
 2-Nitroaniline
 Concen: 3.510 ng
 RT: 9.45 min Scan# 1251
 Delta R.T. -0.02 min
 Lab File: BF102756.D
 Acq: 6 Feb 2018 00:23

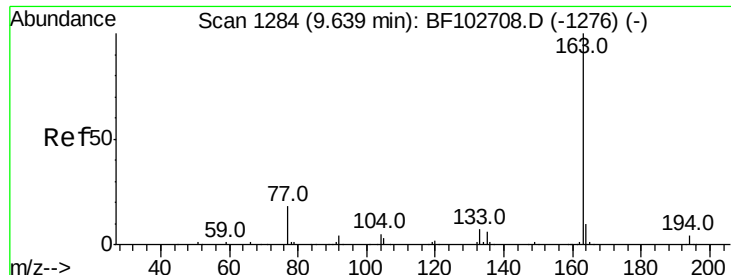
Tgt Ion: 65 Resp: 294

Ion	Ratio	Lower	Upper
65	100		
92	72.5	55.8	83.6
138	0.0	91.2	136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E

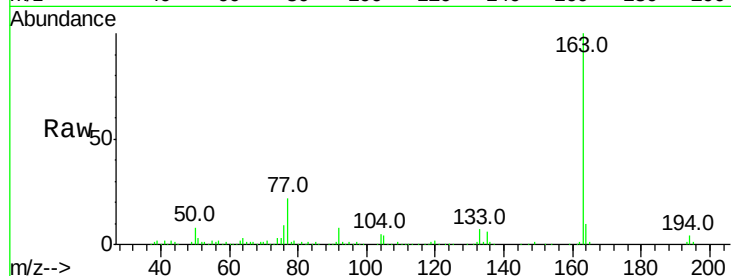




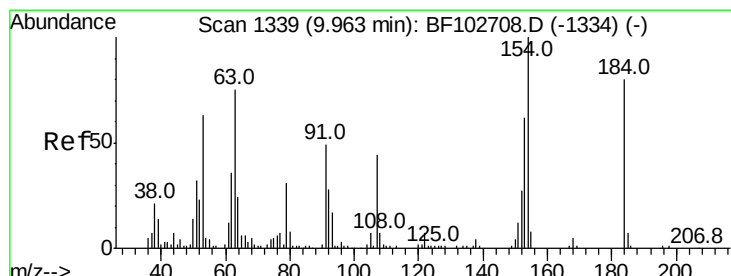
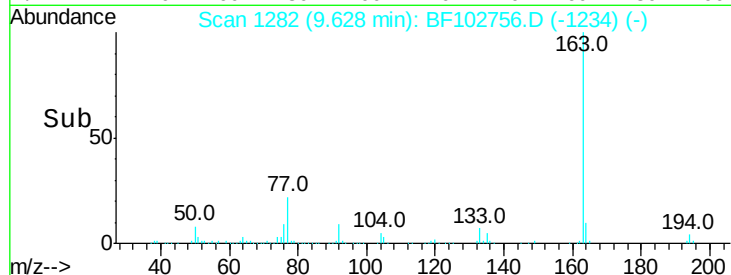
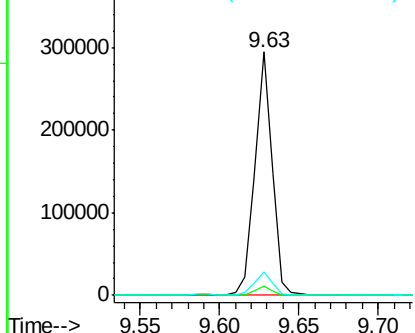
#49
Dimethylphthalate
Concen: 8.168 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF102756.D
Acq: 6 Feb 2018 00:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	9.9	8.2	12.2

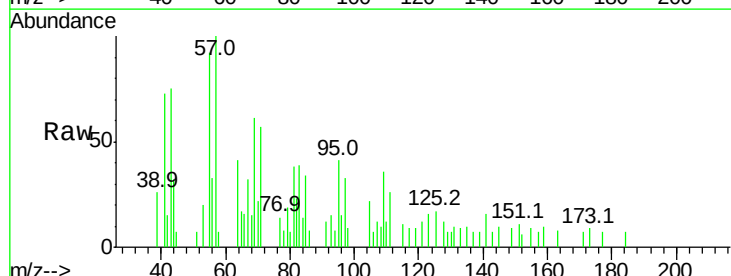


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

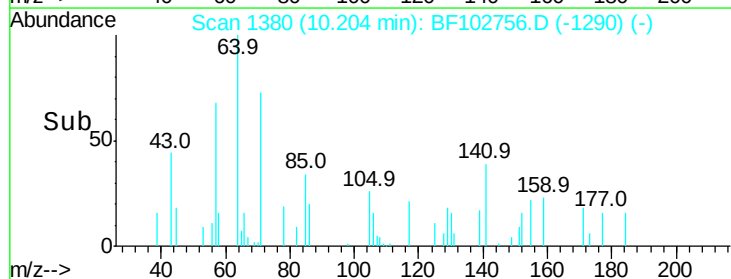
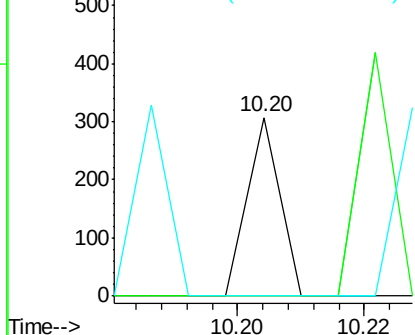


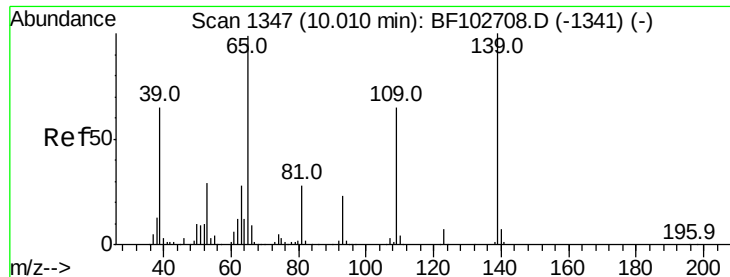
#53
2,4-Dinitrophenol
Concen: 8.036 ng
RT: 10.20 min Scan# 1380
Delta R.T. 0.23 min
Lab File: BF102756.D
Acq: 6 Feb 2018 00:23

Tgt Ion	Ratio	Lower	Upper
184	100		
63	0.0	54.2	81.2#
154	0.0	184.0	276.0#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

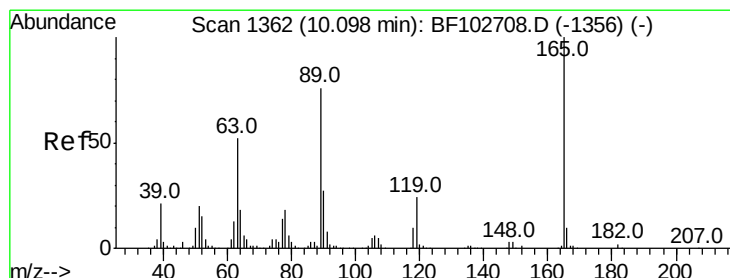
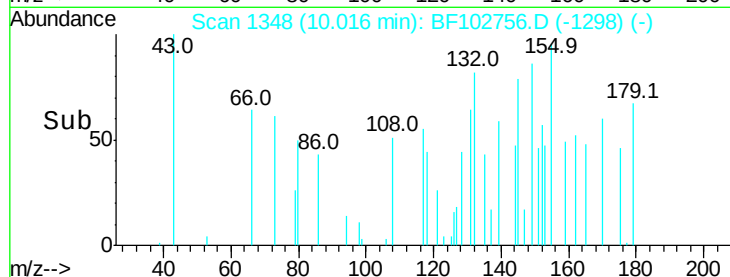
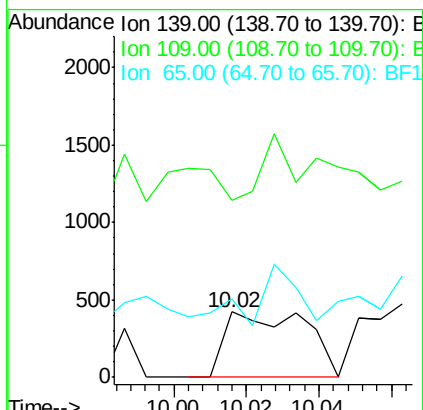
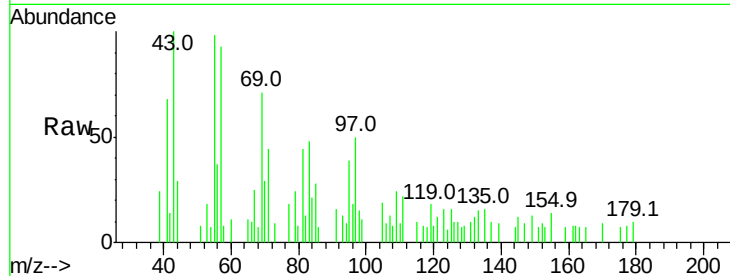




#55
4-Nitrophenol
Concen: 4.141 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF102756.D
Acq: 6 Feb 2018 00:23

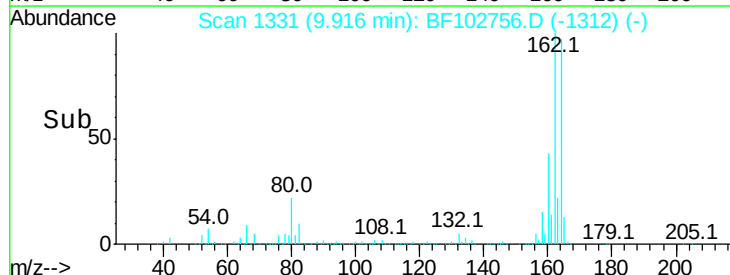
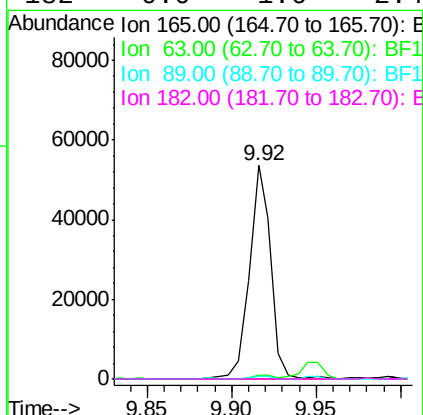
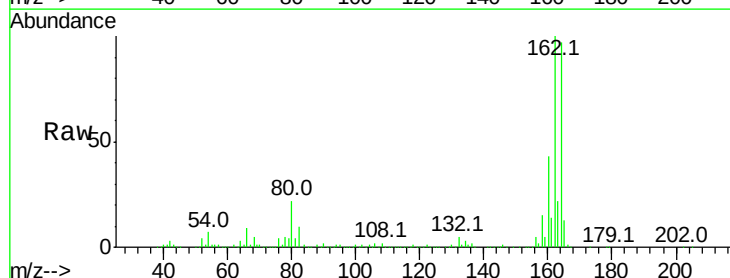
Instrument :
BNA_F
ClientSampleId :

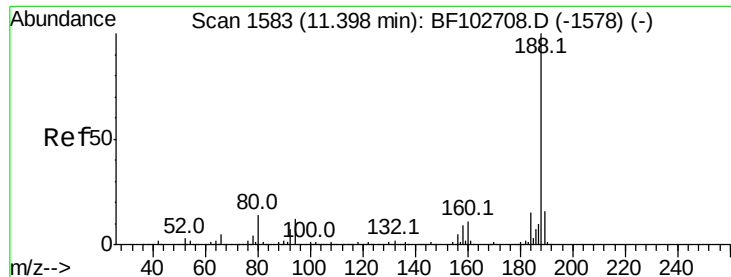
Tot Ion:139 Resp: 650
Ion Ratio Lower Upper
139 100
109 271.4 48.4 88.4#
65 119.9 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 9.462 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.19 min
Lab File: BF102756.D
Acq: 6 Feb 2018 00:23

Tgt Ion:165 Resp: 47564
Ion Ratio Lower Upper
165 100
63 1.6 36.4 54.6#
89 1.5 57.8 86.6#
182 0.0 1.6 2.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF102756.D

Acq: 6 Feb 2018 00:23

Instrument :

BNA_F

ClientSampleId :

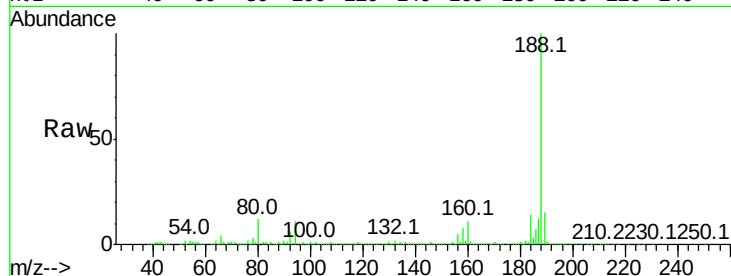
Tot Ion:188 Resp: 538895

Ion Ratio Lower Upper

188 100

94 11.0 8.5 12.7

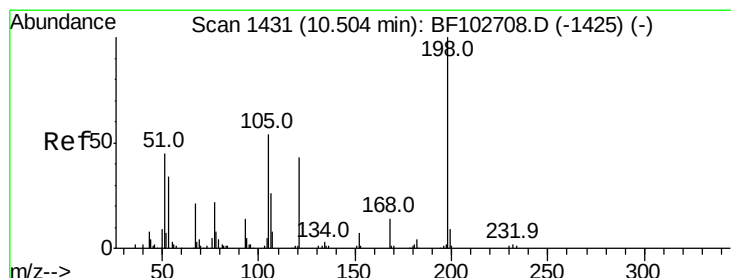
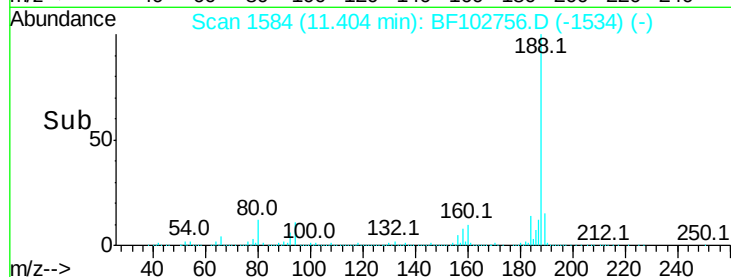
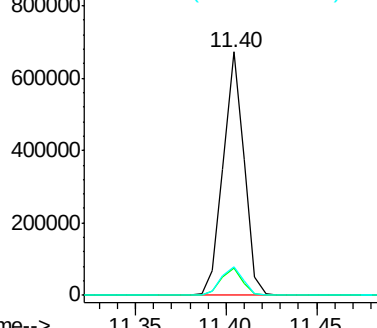
80 11.6 9.2 13.8



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



#64

4,6-Dinitro-2-methylphenol

Concen: 9.106 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.19 min

Lab File: BF102756.D

Acq: 6 Feb 2018 00:23

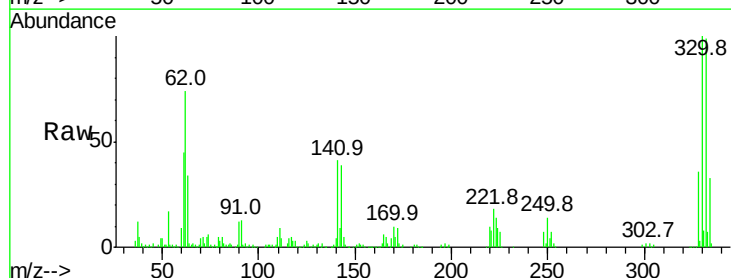
Tgt Ion:198 Resp: 761

Ion Ratio Lower Upper

198 100

51 305.4 37.7 77.7#

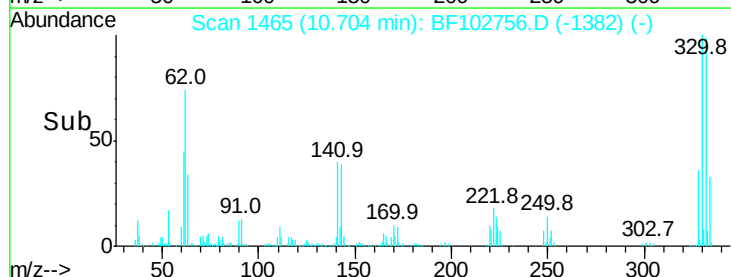
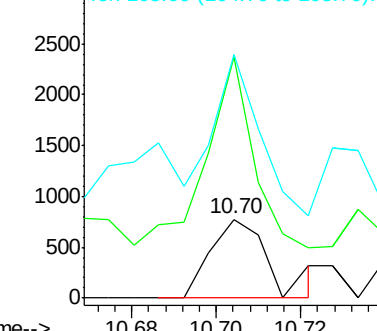
105 308.2 36.3 76.3#

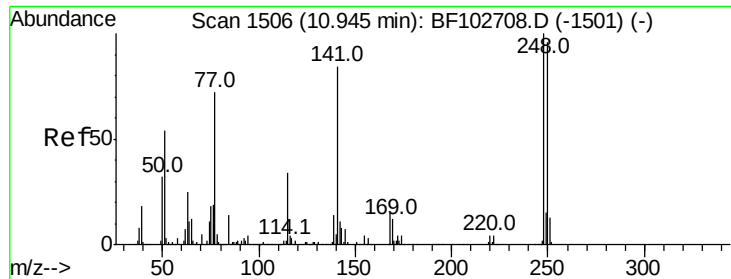


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

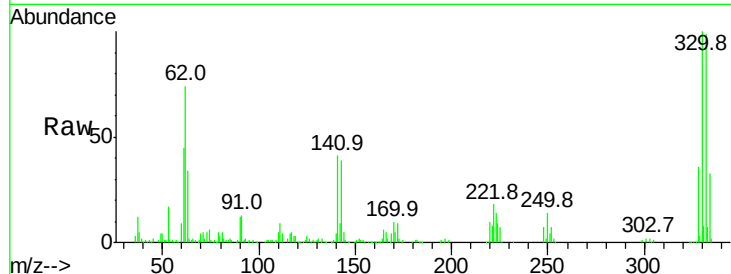




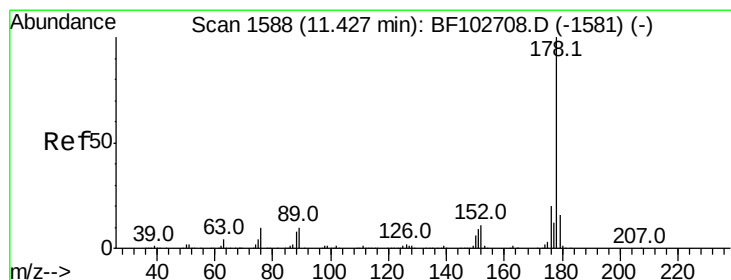
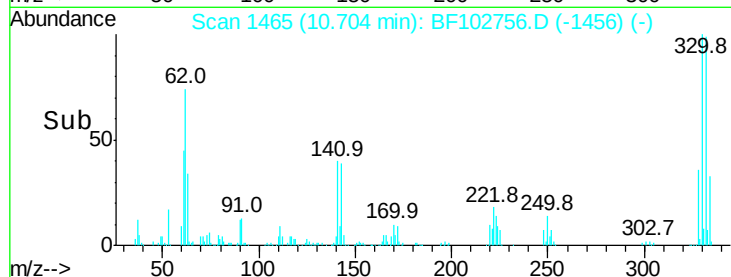
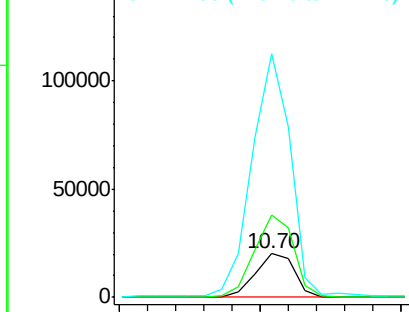
#66
 4-Bromophenyl-phenylether
 Concen: 3.368 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.25 min
 Lab File: BF102756.D
 Acq: 6 Feb 2018 00:23

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 19198
 Ion Ratio Lower Upper
 248 100
 250 187.9 76.9 115.3#
 141 558.5 74.4 111.6#

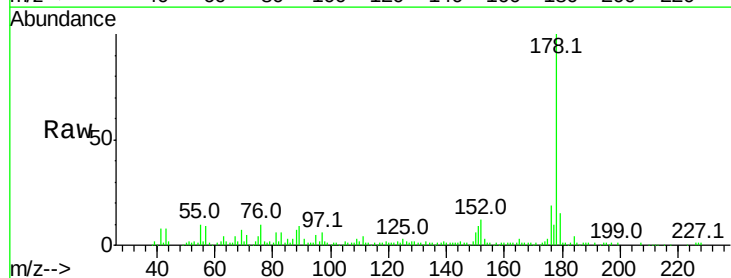


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

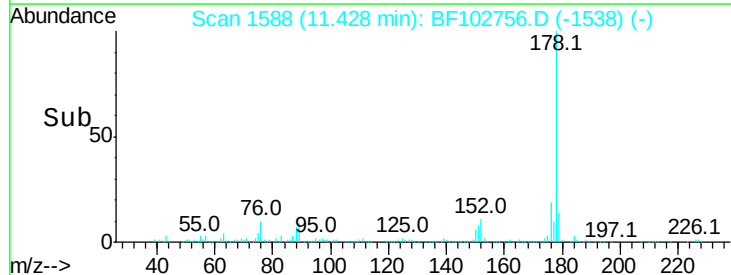
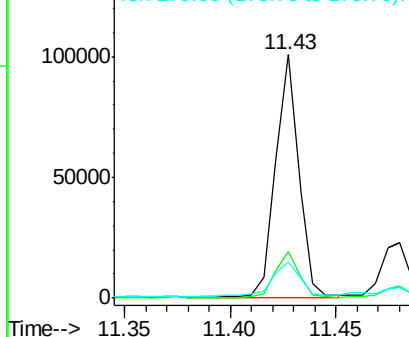


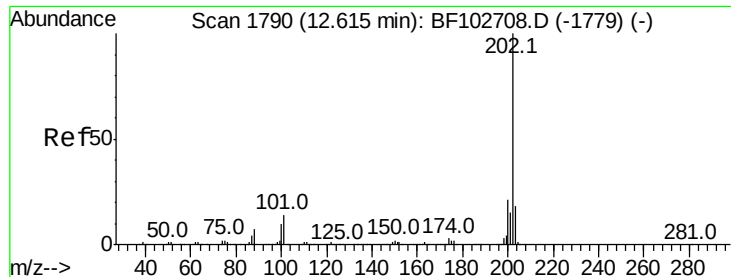
#70
 Phenanthrene
 Concen: 2.563 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.01 min
 Lab File: BF102756.D
 Acq: 6 Feb 2018 00:23

Tgt Ion:178 Resp: 76938
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.8 23.8
 179 14.9 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: 3.979 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BF102756.D

Acq: 6 Feb 2018 00:23

Instrument :

BNA_F

ClientSampleId :

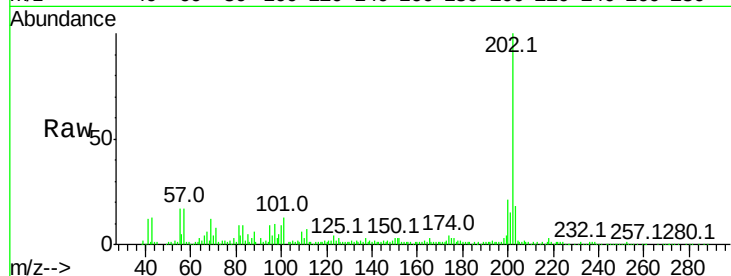
Tot Ion:202 Resp: 120142

Ion Ratio Lower Upper

202 100

101 13.4 0.0 34.1

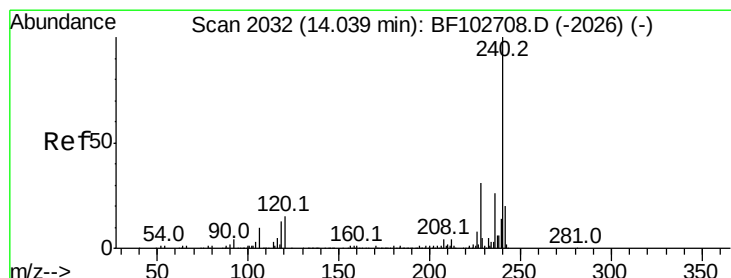
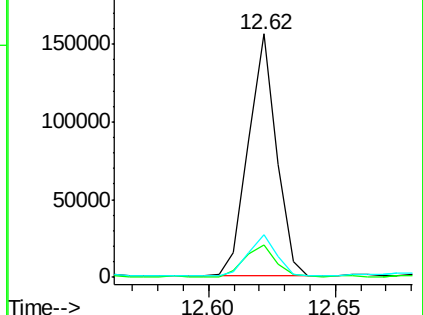
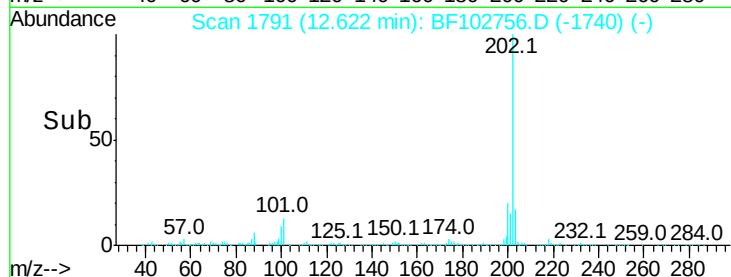
203 17.7 0.0 38.1



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: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF102756.D

Acq: 6 Feb 2018 00:23

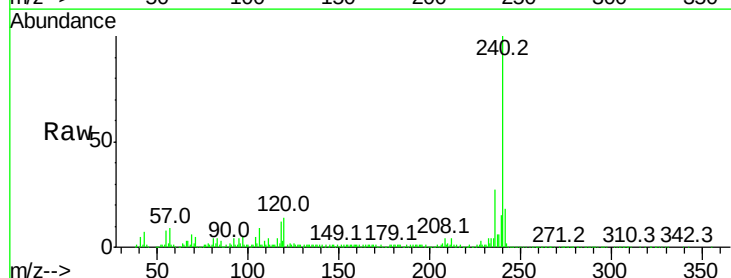
Tgt Ion:240 Resp: 324356

Ion Ratio Lower Upper

240 100

120 14.1 9.5 14.3

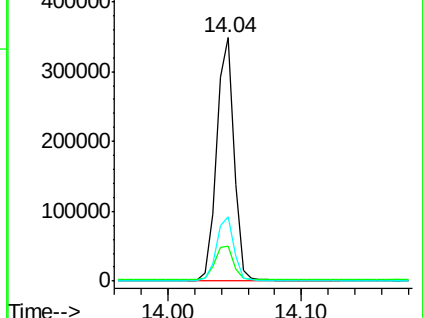
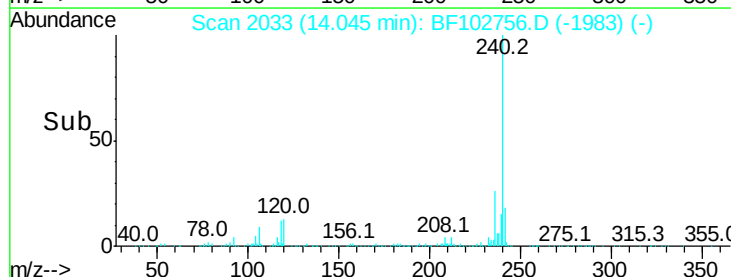
236 26.6 20.7 31.1

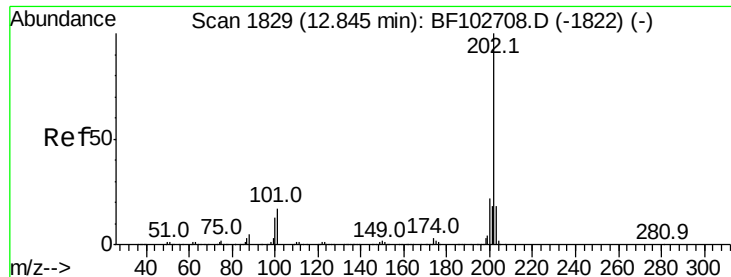


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 4.164 ng

RT: 12.85 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF102756.D

Acq: 6 Feb 2018 00:23

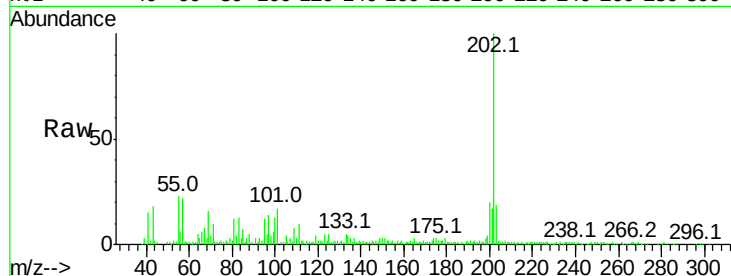
Instrument :

BNA_F

ClientSampleId :

Tot Ion:202 Resp: 105900

Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.4	26.2
203	18.5	14.3	21.5

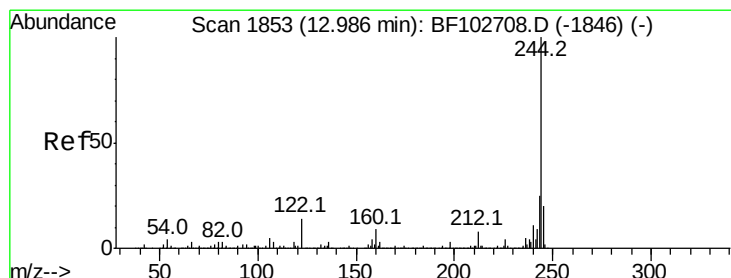
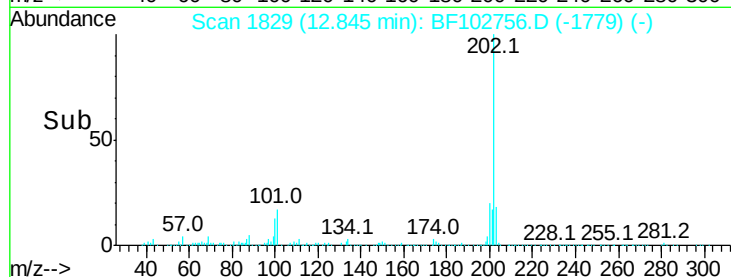
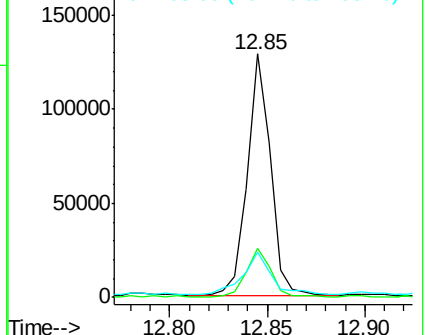


Abundance

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: 64.029 ng

RT: 12.99 min Scan# 1854

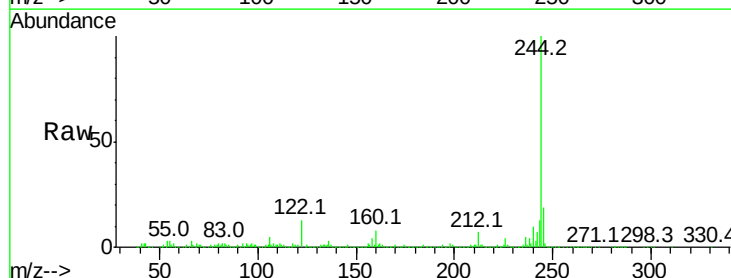
Delta R.T. -0.01 min

Lab File: BF102756.D

Acq: 6 Feb 2018 00:23

Tgt Ion:244 Resp: 877120

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	12.8	11.0	16.4

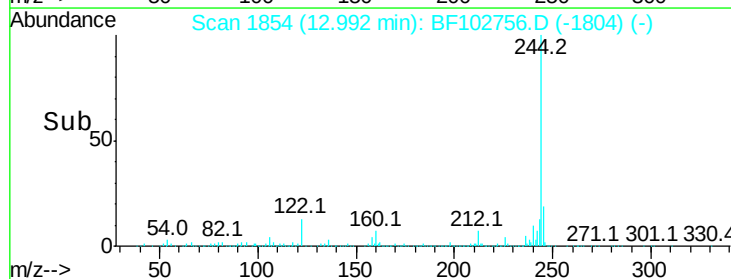
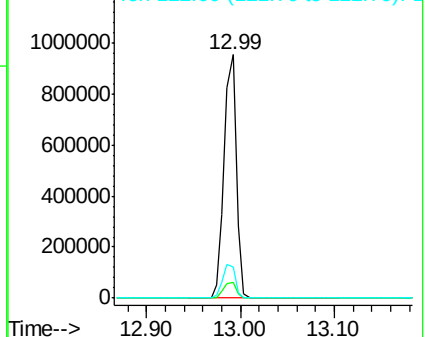


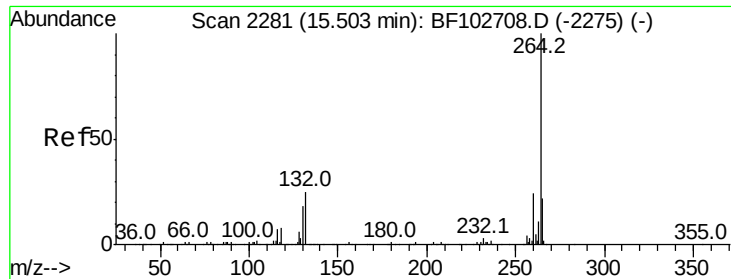
Abundance

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



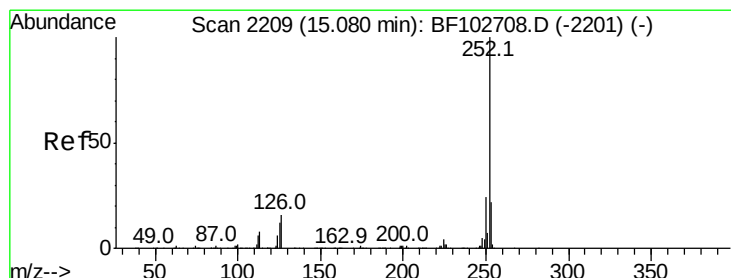
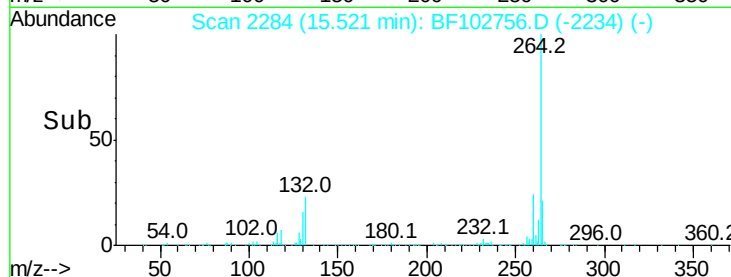
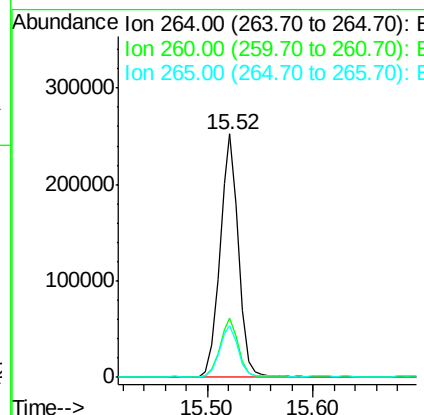
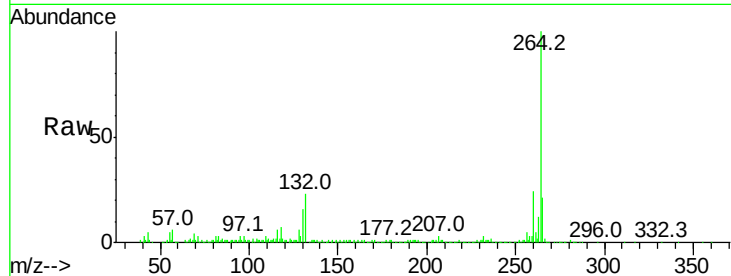


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF102756.D
Acq: 6 Feb 2018 00:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 311031

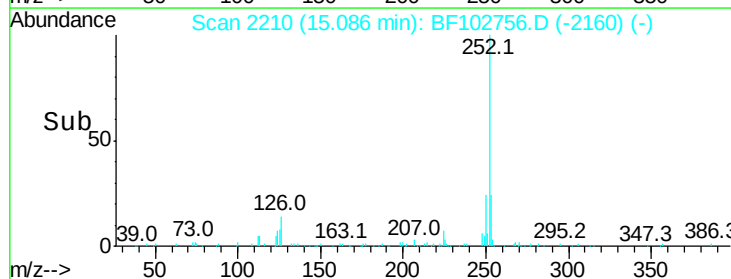
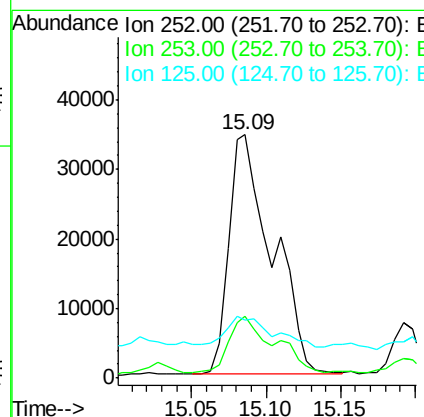
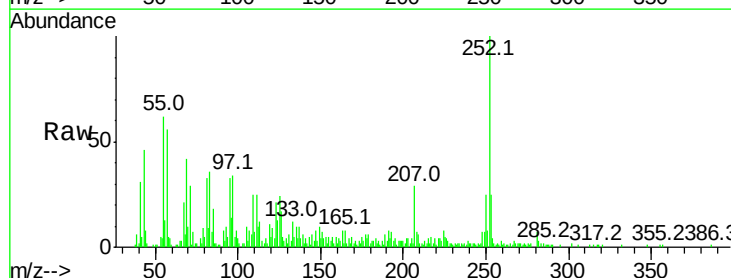
Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	21.4	17.5	26.3

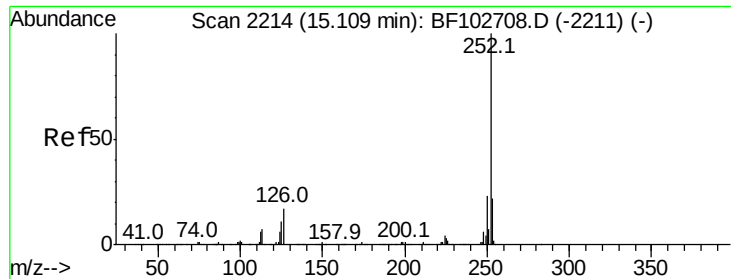


#87
Benzo(b)fluoranthene
Concen: 3.462 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF102756.D
Acq: 6 Feb 2018 00:23

Tgt Ion:252 Resp: 69816

Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.0	25.6
125	23.6	9.0	13.6

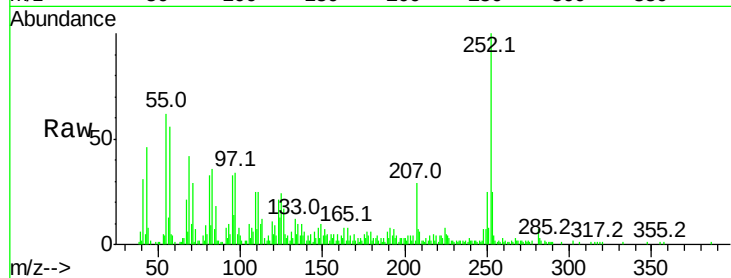




#88
 Benzo(k)fluoranthene
 Concen: 3.623 ng
 RT: 15.09 min Scan# 2210
 Delta R.T. -0.04 min
 Lab File: BF102756.D
 Acq: 6 Feb 2018 00:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.9	26.9
125	23.6	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

