

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021418\
 Data File : BF102985.D
 Acq On : 14 Feb 2018 13:21
 Operator : SJ/JU
 Sample : J1537-04RE 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 14 15:32:14 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 00:38:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	153492	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	621160	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	262138	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	367111	20.00	ng	0.00
75) Chrysene-d12	14.05	240	247059	20.00	ng	0.01
86) Perylene-d12	15.54	264	219942	20.00	ng	0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	490756	48.56	ng	0.00
7) Phenol-d6	6.50	99	582540	47.87	ng	0.00
23) Nitrobenzene-d5	7.43	82	345590	38.60	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	93273	44.21	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	585364	37.05	ng	-0.01
78) Terphenyl-d14	12.99	244	373159	35.76	ng	0.00

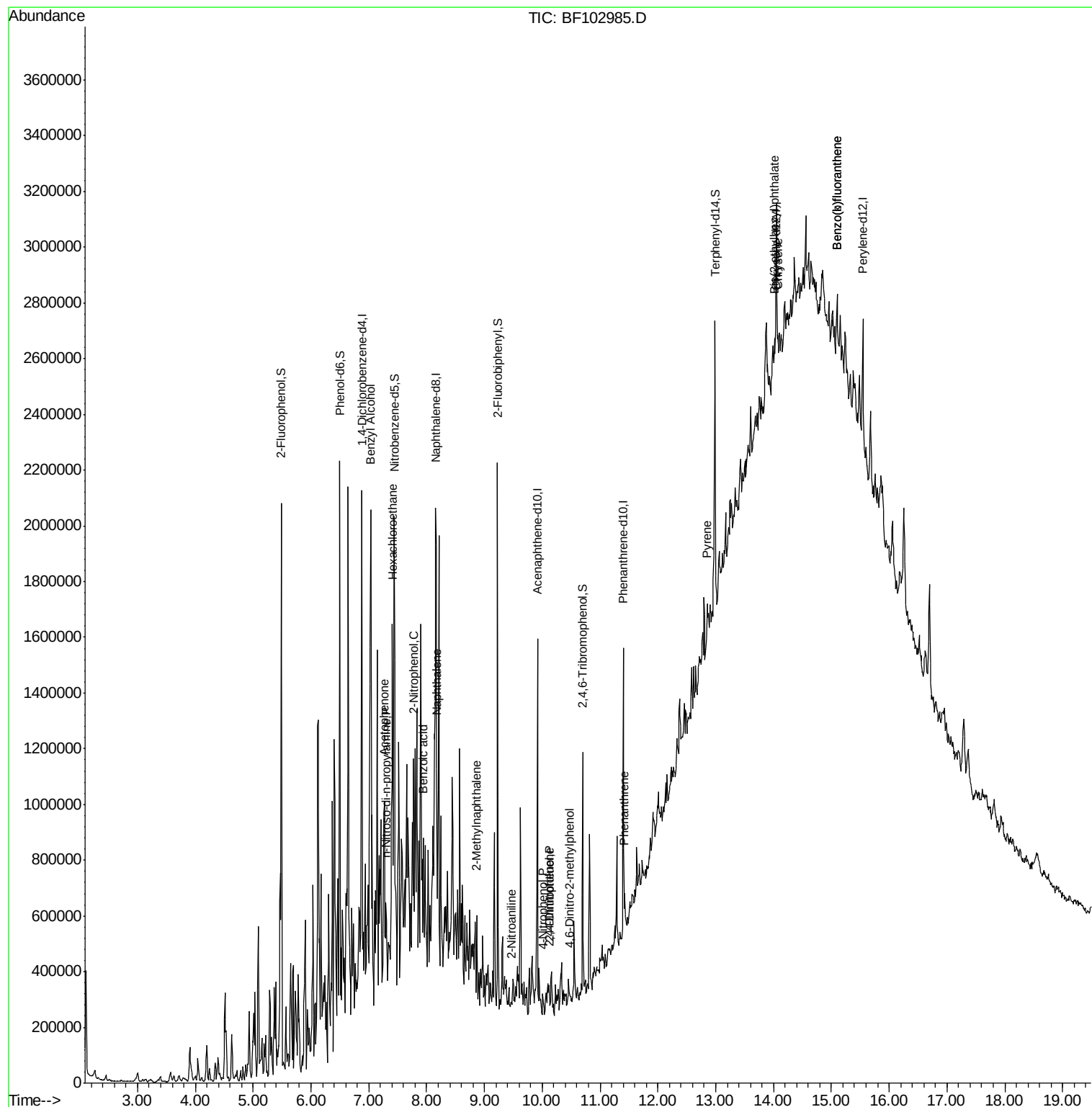
Target Compounds				Qvalue		
15) Benzyl Alcohol	7.03	79	24328	2.600	ng	# 59
18) Hexachloroethane	7.41	117	52849	12.840	ng	# 1
19) n-Nitroso-di-n-propylamine	7.30	70	16395	2.043	ng	# 68
22) Acetophenone	7.27	105	56302	3.704	ng	# 62
26) 2-Nitrophenol	7.77	139	3179	9.268	ng	# 1
31) Naphthalene	8.18	128	112108	3.694	ng	# 89
32) Benzoic acid	7.95	122	8372	9.854	ng	# 30
37) 2-Methylnaphthalene	8.87	142	79608	4.007	ng	# 97
47) 2-Nitroaniline	9.47	65	162	3.500	ng	# 33
53) 2,4-Dinitrophenol	10.13	184	110	8.079	ng	# 40
55) 4-Nitrophenol	10.01	139	1167	4.306	ng	# 1
56) 2,4-Dinitrotoluene	10.12	165	1111	3.275	ng	# 31
64) 4,6-Dinitro-2-methylphenol	10.47	198	114	8.861	ng	# 1
70) Phenanthrene	11.42	178	48172	2.356	ng	# 96
77) Pyrene	12.85	202	52995	2.735	ng	# 93
82) Chrysene	14.07	228	35224	2.249	ng	# 70
83) Bis(2-ethylhexyl)phthalate	14.02	149	37400	3.151	ng	# 89
87) Benzo(b)fluoranthene	15.10	252	31778	2.229	ng	# 1
88) Benzo(k)fluoranthene	15.10	252	31778	2.332	ng	# 1

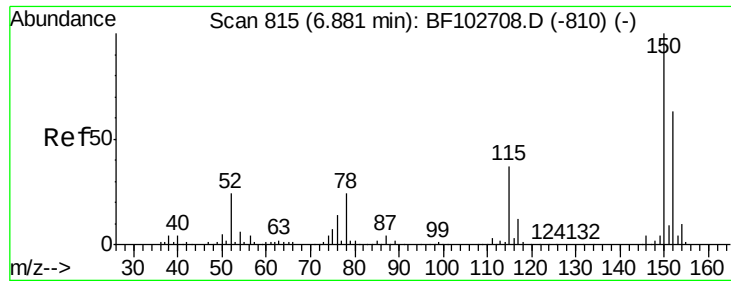
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021418\
Data File : BF102985.D
Acq On : 14 Feb 2018 13:21
Operator : SJ/JU
Sample : J1537-04RE 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Feb 14 15:32:14 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 00:38:27 2018
Response via : Initial Calibration



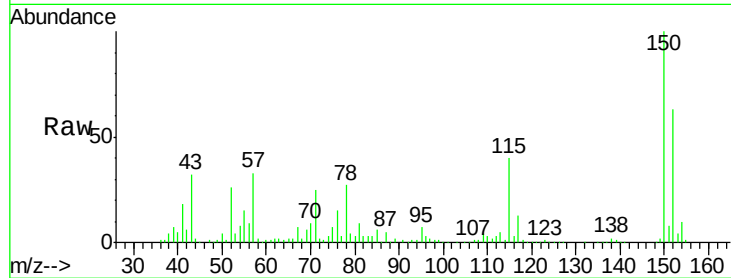


#1

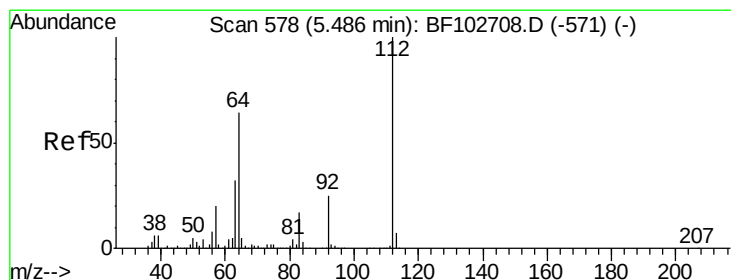
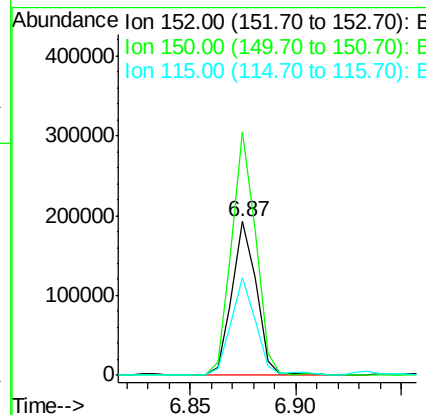
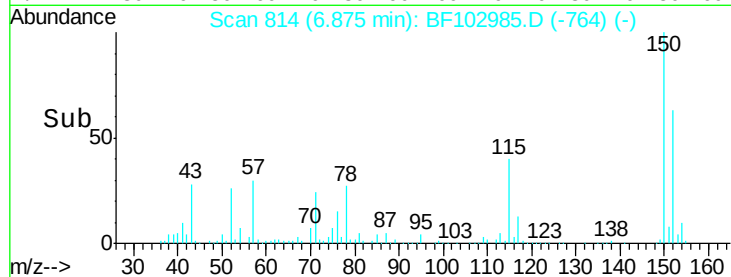
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF102985.D
Acq: 14 Feb 2018 13:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	124.6	186.8
115	63.8	50.1	75.1



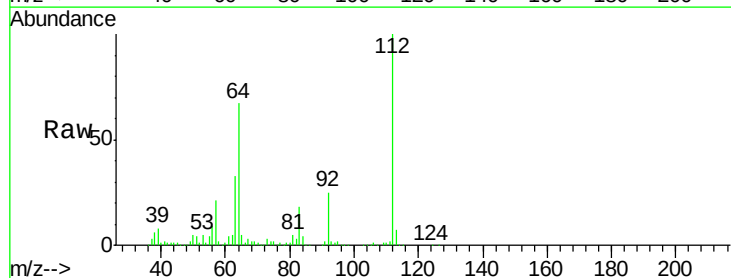
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



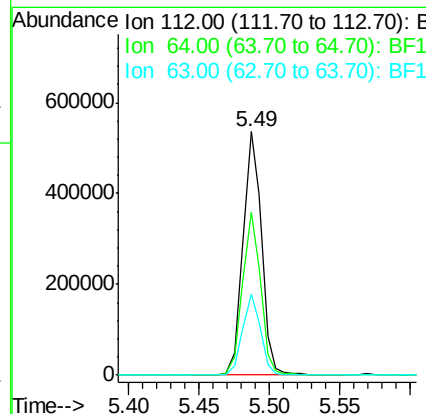
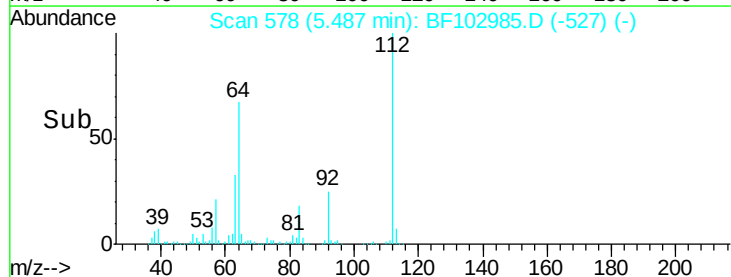
#5

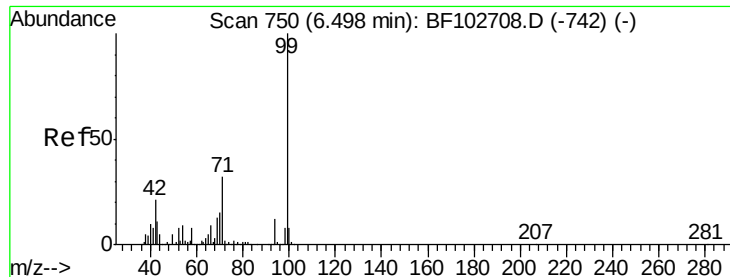
2-Fluorophenol
Concen: 48.556 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.00 min
Lab File: BF102985.D
Acq: 14 Feb 2018 13:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.8	47.9	71.9
63	33.5	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: 47.869 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF102985.D

Acq: 14 Feb 2018 13:21

Instrument :

BNA_F

ClientSampleId :

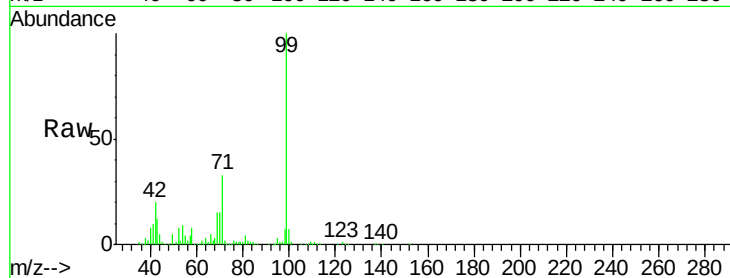
Tot Ion: 99 Resp: 582540

Ion Ratio Lower Upper

99 100

42 20.2 14.5 21.7

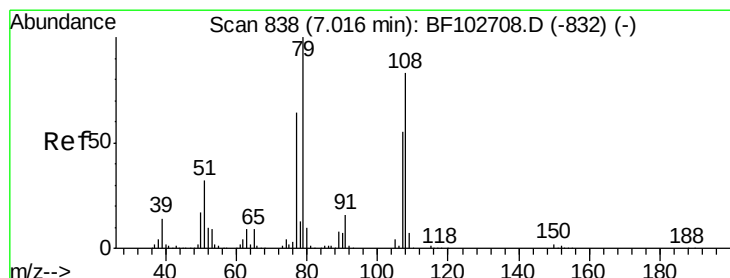
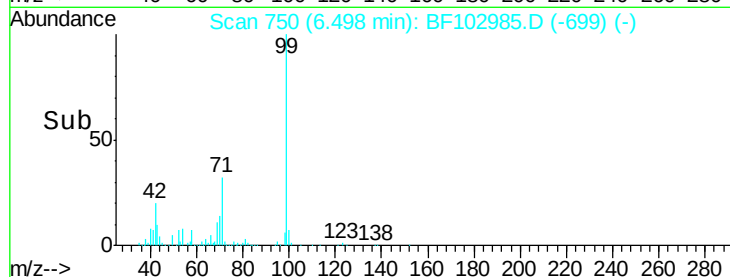
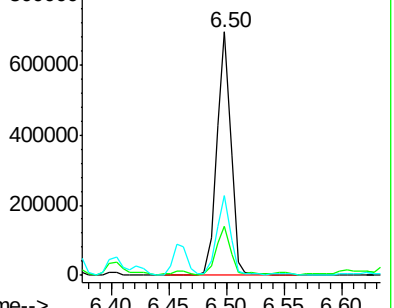
71 32.7 25.4 38.0



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: 2.600 ng

RT: 7.03 min Scan# 840

Delta R.T. 0.01 min

Lab File: BF102985.D

Acq: 14 Feb 2018 13:21

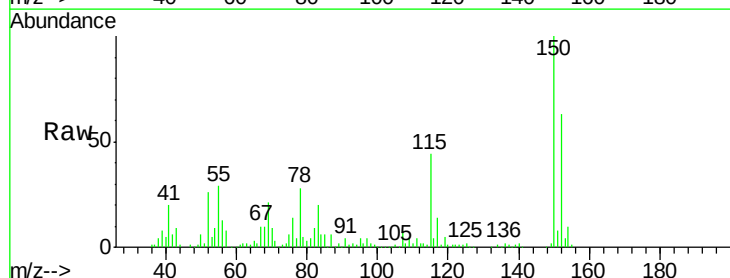
Tgt Ion: 79 Resp: 24328

Ion Ratio Lower Upper

79 100

108 37.4 65.1 97.7#

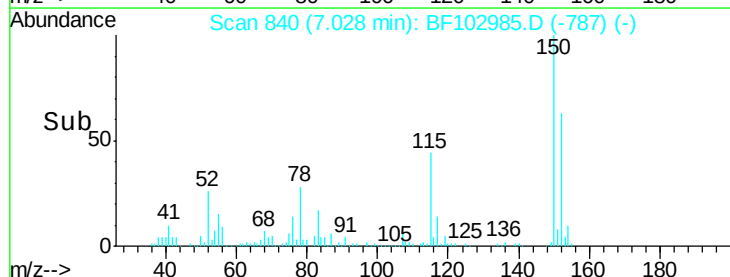
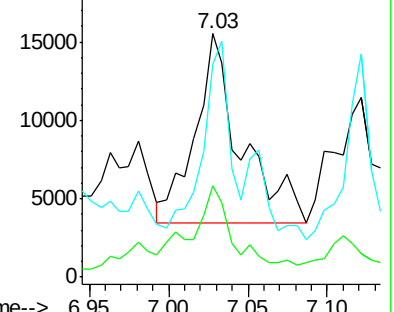
77 87.5 50.6 75.8#

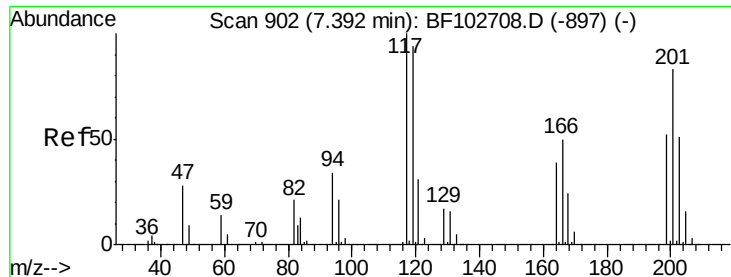


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

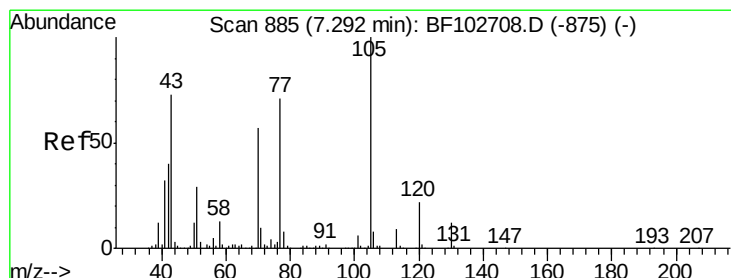
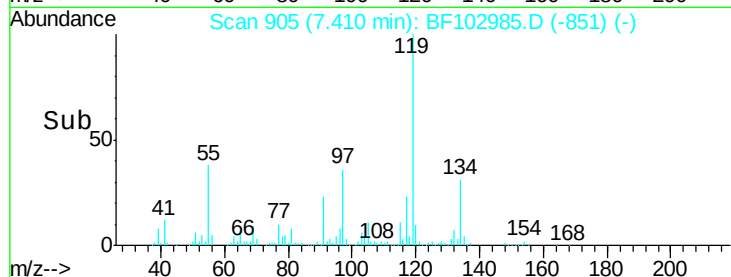
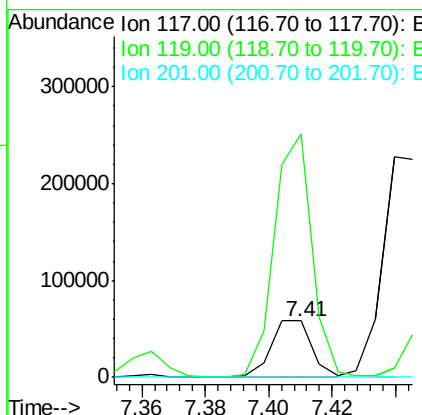
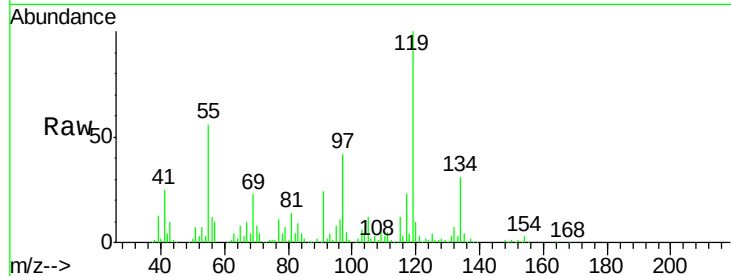




#18
Hexachloroethane
Concen: 12.840 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.02 min
Lab File: BF102985.D
Acq: 14 Feb 2018 13:21

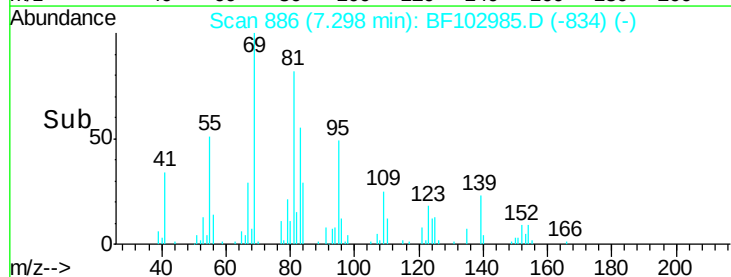
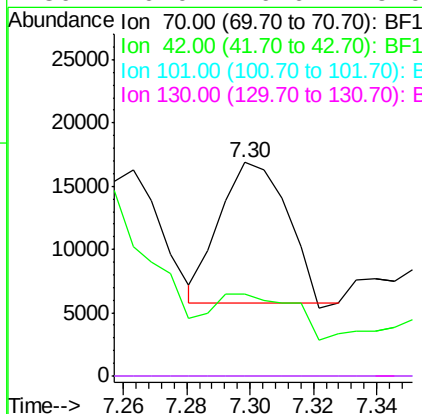
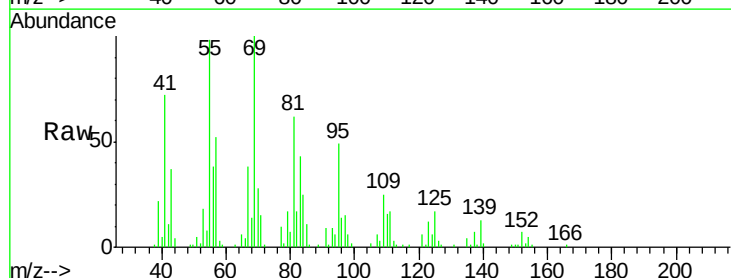
Instrument :
BNA_F
ClientSampleId :

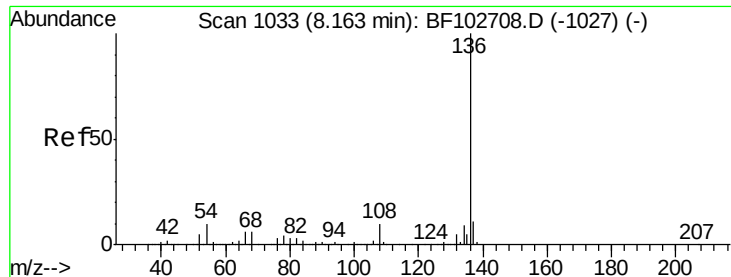
Tot Ion:117 Resp: 52849
Ion Ratio Lower Upper
117 100
119 430.7 75.8 113.8#
201 0.0 75.7 113.5#



#19
n-Nitroso-di-n-propylamine
Concen: 2.043 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.01 min
Lab File: BF102985.D
Acq: 14 Feb 2018 13:21

Tgt Ion: 70 Resp: 16395
Ion Ratio Lower Upper
70 100
42 38.4 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: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF102985.D

Acq: 14 Feb 2018 13:21

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 621160

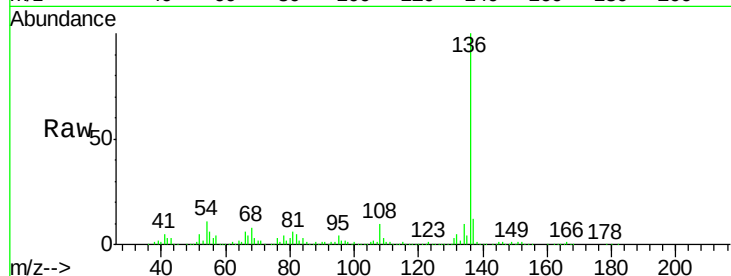
Ion Ratio Lower Upper

136 100

137 11.7 8.9 13.3

54 11.0 6.6 9.8#

68 8.0 5.0 7.4#

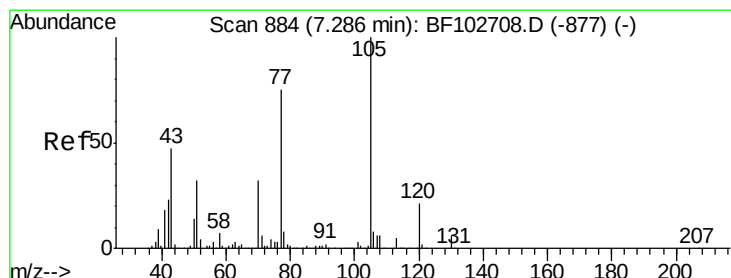
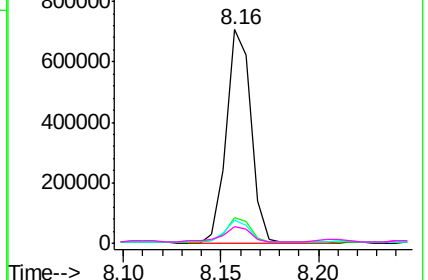
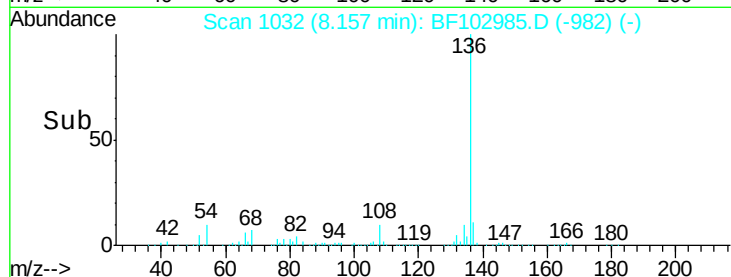


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 3.704 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.02 min

Lab File: BF102985.D

Acq: 14 Feb 2018 13:21

Tgt Ion:105 Resp: 56302

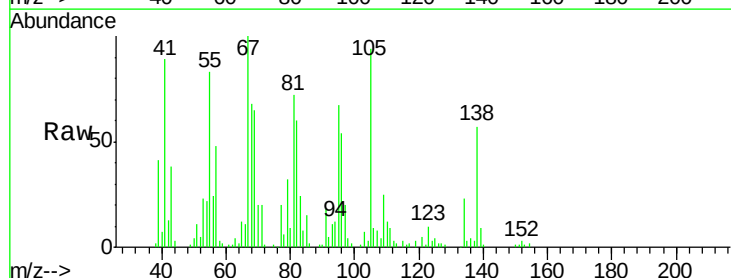
Ion Ratio Lower Upper

105 100

71 21.0 4.4 6.6#

51 11.4 22.3 33.5#

120 0.0 16.9 25.3#

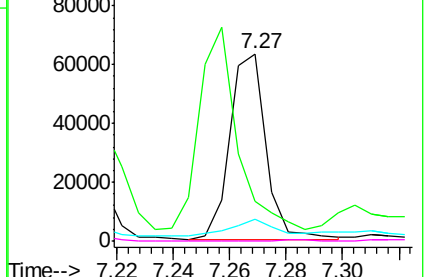
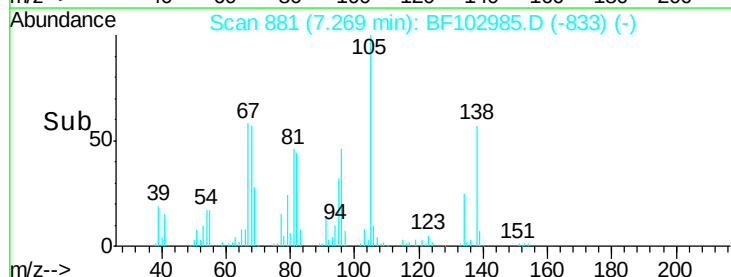


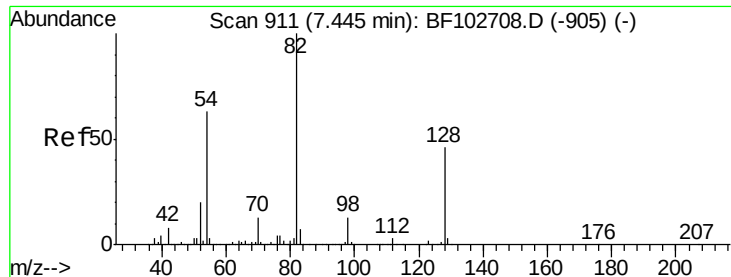
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

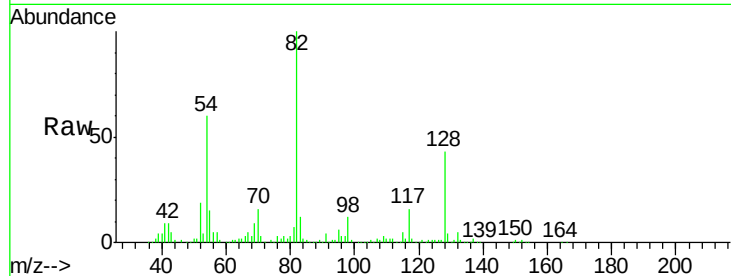




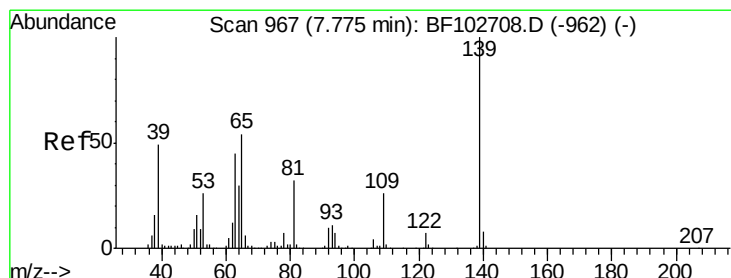
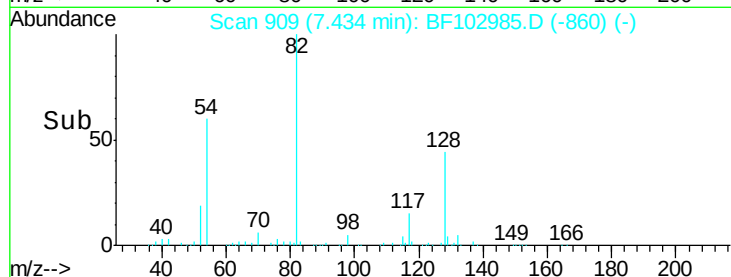
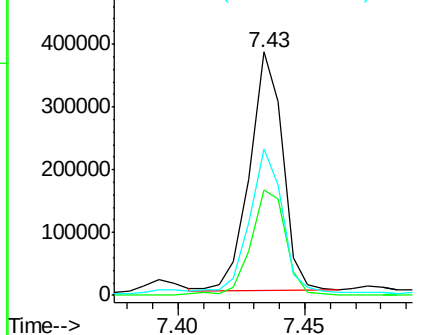
#23
Nitrobenzene-d5
Concen: 38.595 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF102985.D
Acq: 14 Feb 2018 13:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	345590
Ion Ratio	Lower	Upper	
82	100		
128	43.1	36.1	54.1
54	60.3	41.4	62.2

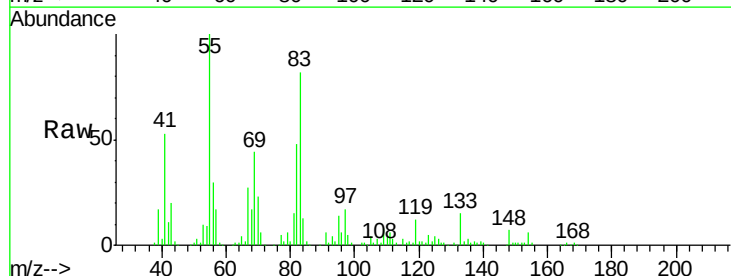


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

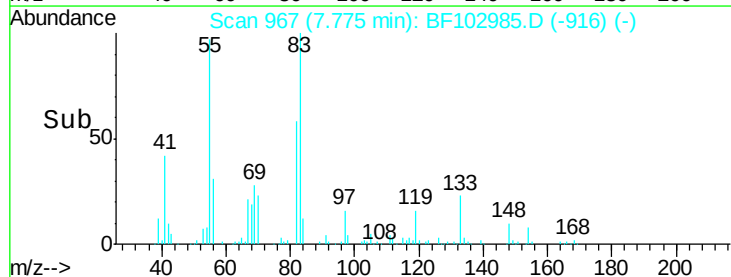
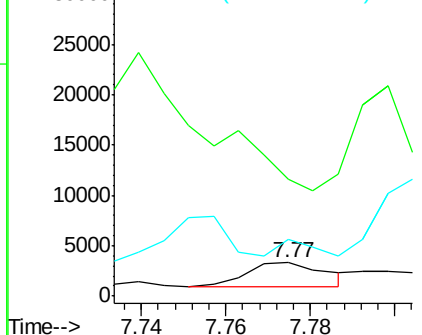


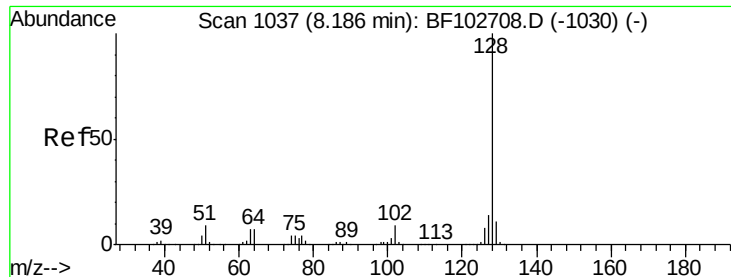
#26
2-Nitrophenol
Concen: 9.268 ng
RT: 7.77 min Scan# 967
Delta R.T. 0.00 min
Lab File: BF102985.D
Acq: 14 Feb 2018 13:21

Tgt Ion	139	Resp	3179
Ion Ratio	Lower	Upper	
139	100		
109	354.8	22.7	34.1#
65	169.6	40.5	60.7#



Abundance Ion 139.00 (138.70 to 139.70): BF1
Ion 109.00 (108.70 to 109.70): BF1
Ion 65.00 (64.70 to 65.70): BF1

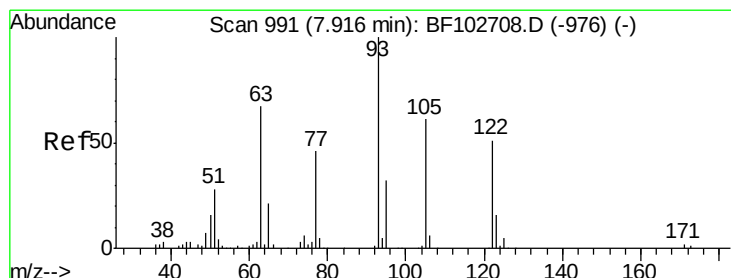
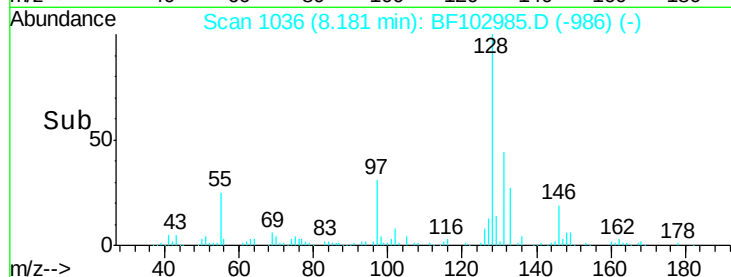
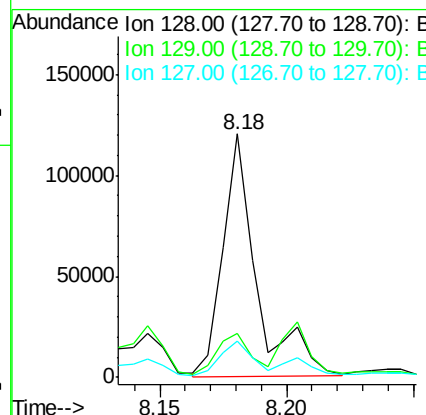
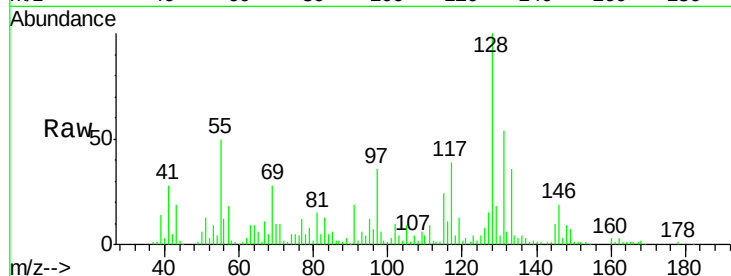




#31
Naphthalene
Concen: 3.694 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF102985.D
Acq: 14 Feb 2018 13:21

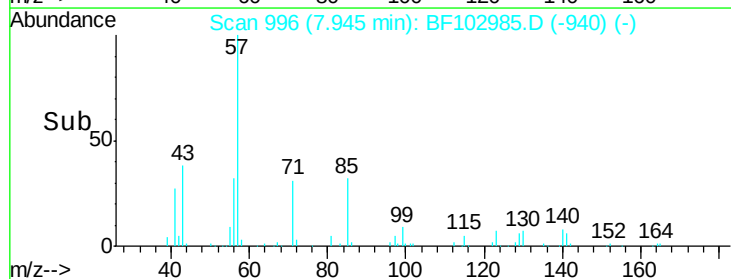
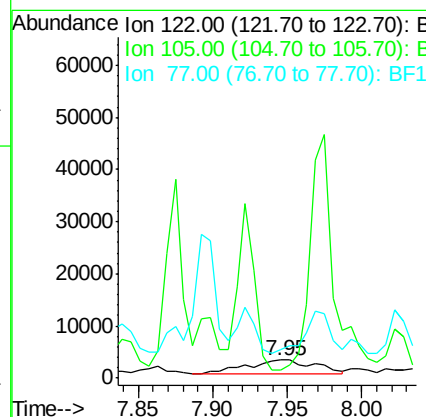
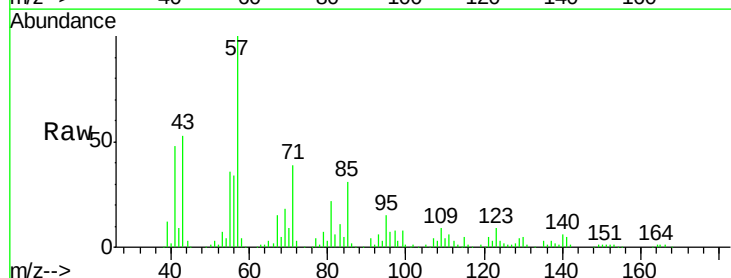
Instrument :
BNA_F
ClientSampleId :

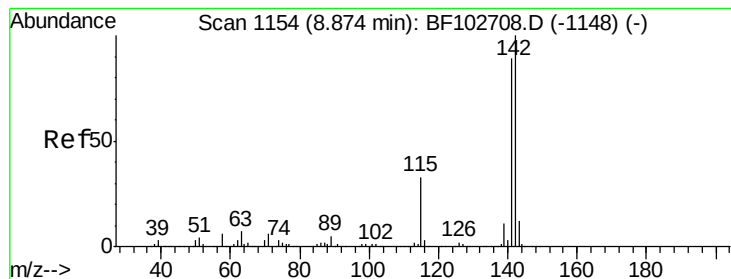
Tot Ion:128 Resp: 112108
Ion Ratio Lower Upper
128 100
129 18.2 8.8 13.2#
127 15.1 10.9 16.3



#32
Benzoic acid
Concen: 9.854 ng
RT: 7.95 min Scan# 996
Delta R.T. 0.03 min
Lab File: BF102985.D
Acq: 14 Feb 2018 13:21

Tgt Ion:122 Resp: 8372
Ion Ratio Lower Upper
122 100
105 46.7 101.1 141.1#
77 161.9 70.7 110.7#

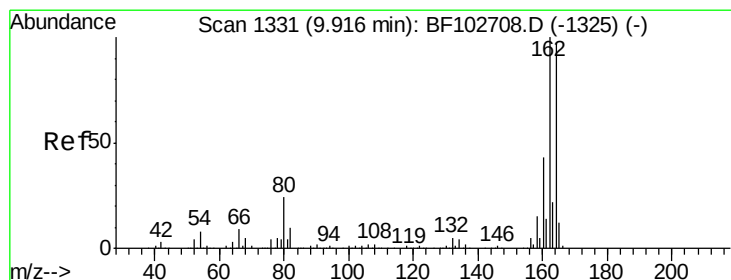
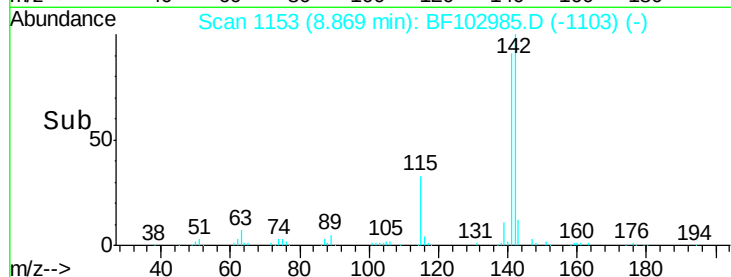
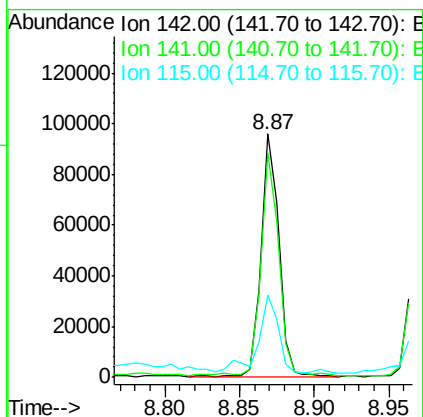
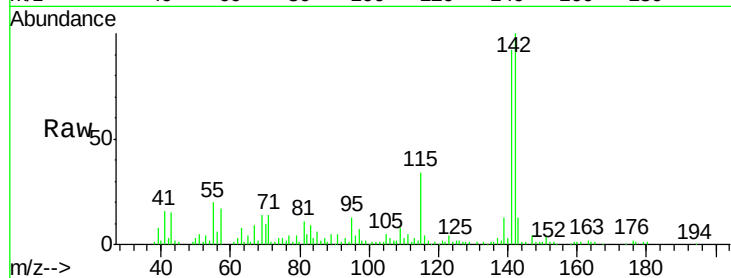




#37
 2-Methylnaphthalene
 Concen: 4.007 ng
 RT: 8.87 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: BF102985.D
 Acq: 14 Feb 2018 13:21

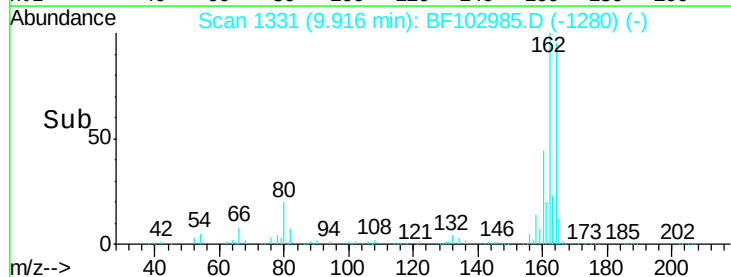
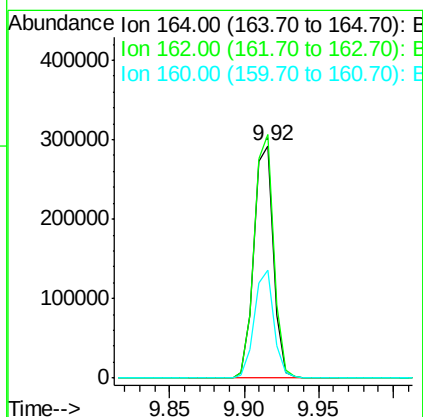
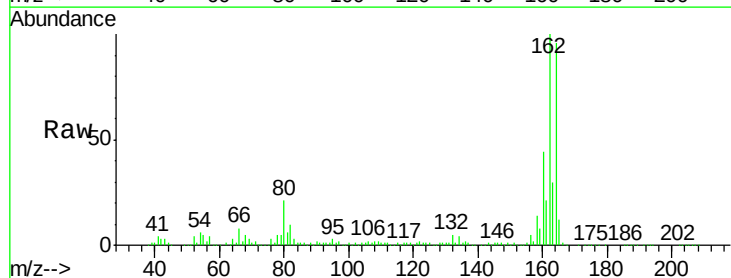
Instrument :
 BNA_F
 ClientSampleId :

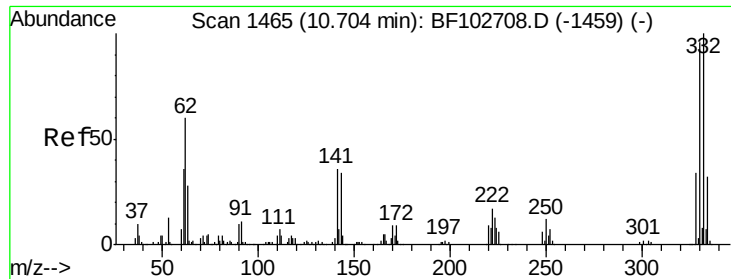
Tot Ion	Ratio	Lower	Upper
142	100		
141	91.9	70.8	106.2
115	34.0	26.1	39.1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.00 min
 Lab File: BF102985.D
 Acq: 14 Feb 2018 13:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.7	86.1	129.1
160	46.4	38.3	57.5

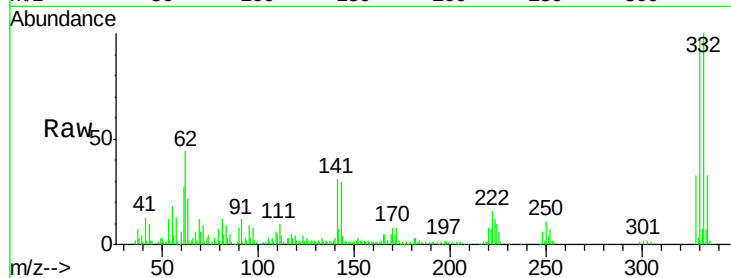




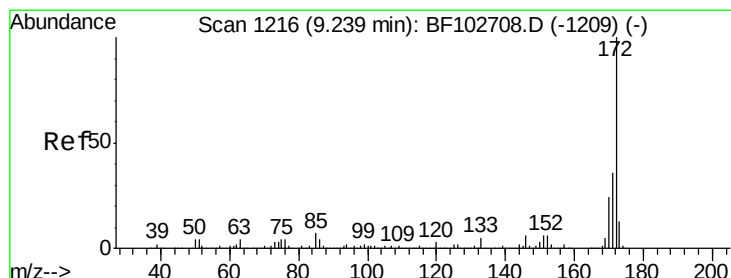
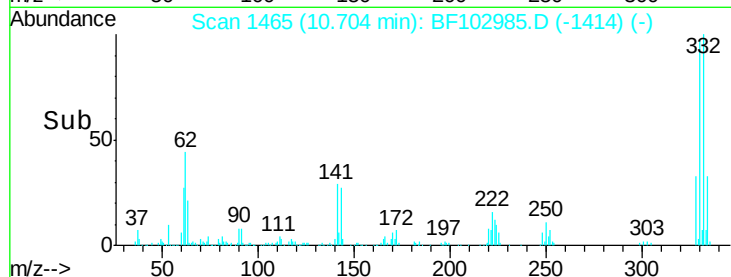
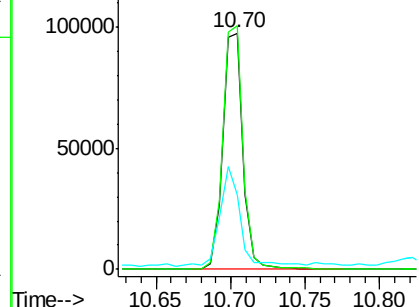
#41
 2,4,6-Tribromophenol
 Concen: 44.207 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: BF102985.D
 Acq: 14 Feb 2018 13:21

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	103.3	77.0	115.6
141	40.7	29.9	44.9

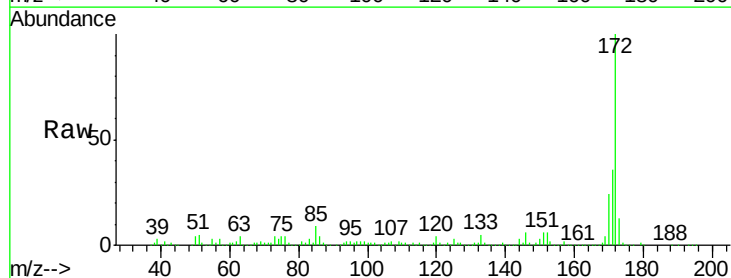


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

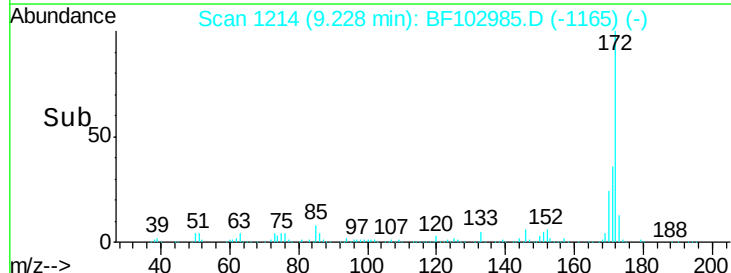
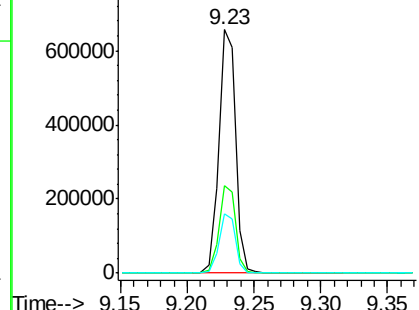


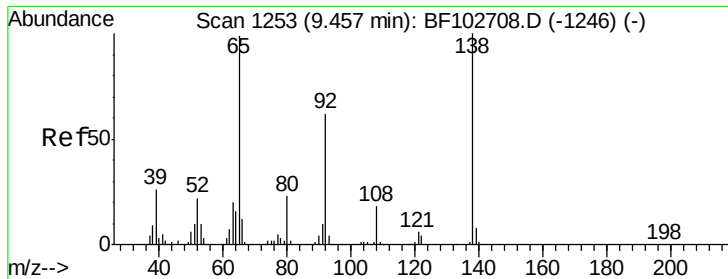
#44
 2-Fluorobiphenyl
 Concen: 37.054 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF102985.D
 Acq: 14 Feb 2018 13:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.3	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: 3.500 ng

RT: 9.47 min Scan# 1255

Delta R.T. 0.01 min

Lab File: BF102985.D

Acq: 14 Feb 2018 13:21

Instrument :

BNA_F

ClientSampleId :

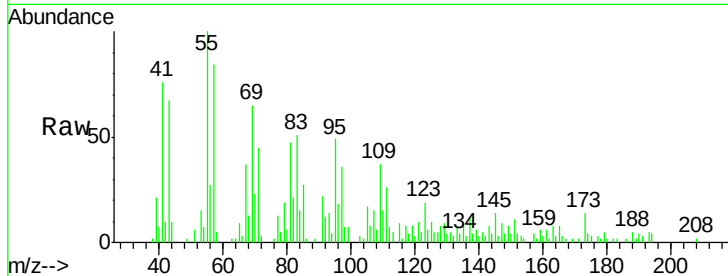
Tot Ion: 65 Resp: 162

Ion Ratio Lower Upper

65 100

92 129.9 55.8 83.6#

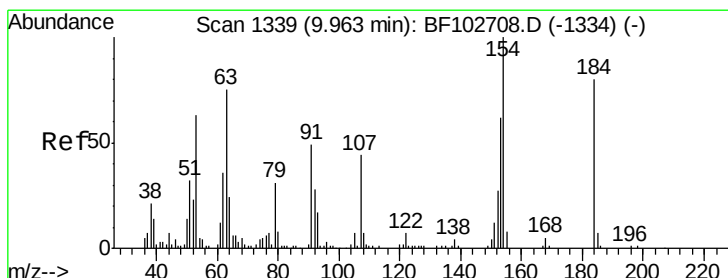
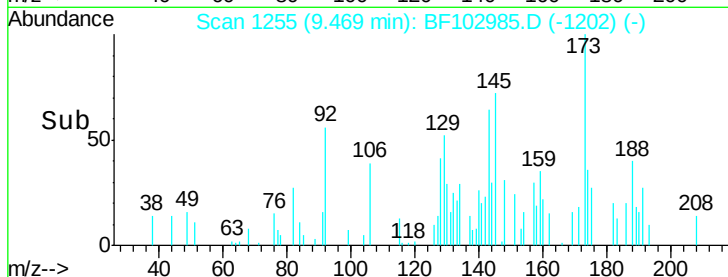
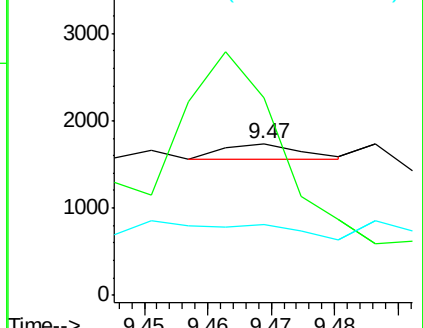
138 46.4 91.2 136.8#



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): BF1



#53

2,4-Dinitrophenol

Concen: 8.079 ng

RT: 10.13 min Scan# 1367

Delta R.T. 0.17 min

Lab File: BF102985.D

Acq: 14 Feb 2018 13:21

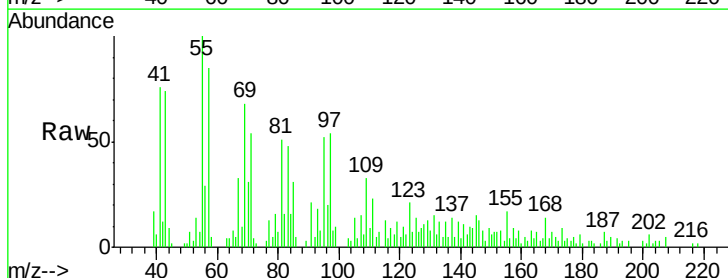
Tgt Ion: 184 Resp: 110

Ion Ratio Lower Upper

184 100

63 206.4 54.2 81.2#

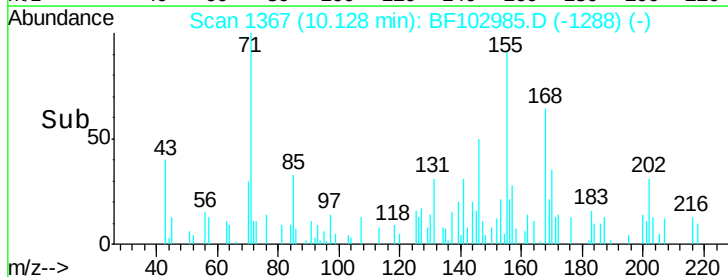
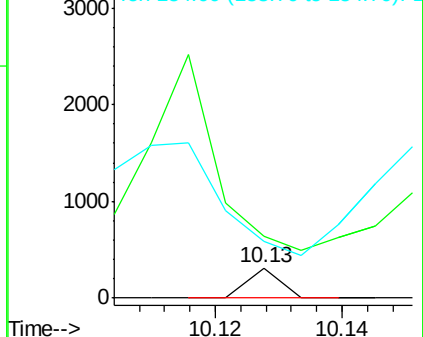
154 186.2 184.0 276.0

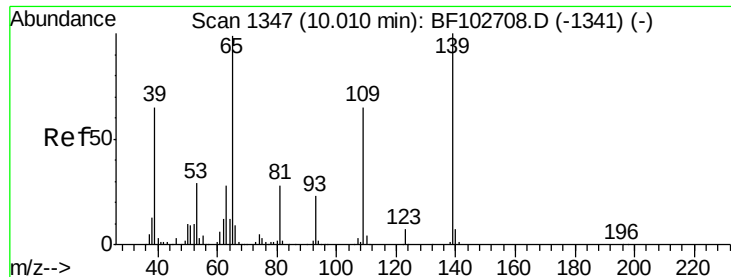


Abundance Ion 184.00 (183.70 to 184.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): BF1





#55

4-Nitrophenol

Concen: 4.306 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.00 min

Lab File: BF102985.D

Acq: 14 Feb 2018 13:21

Instrument :

BNA_F

ClientSampleId :

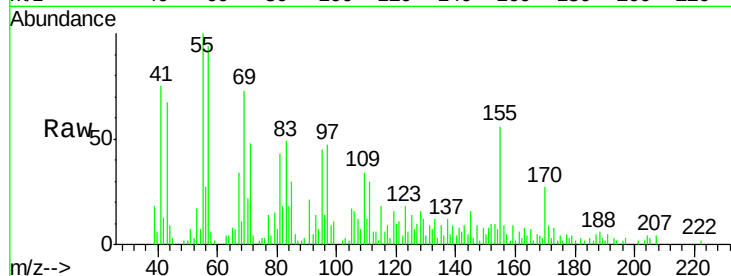
Tot Ion:139 Resp: 1167

Ion Ratio Lower Upper

139 100

109 363.7 48.4 88.4#

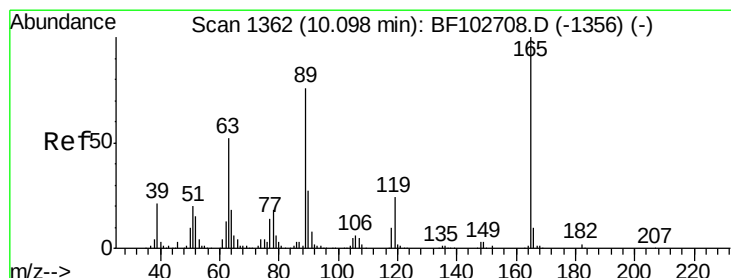
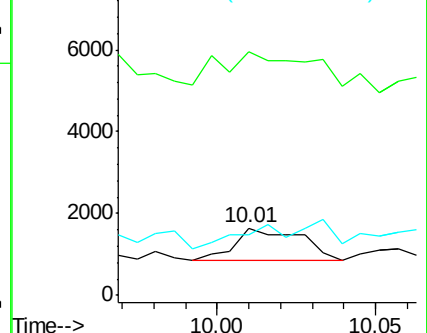
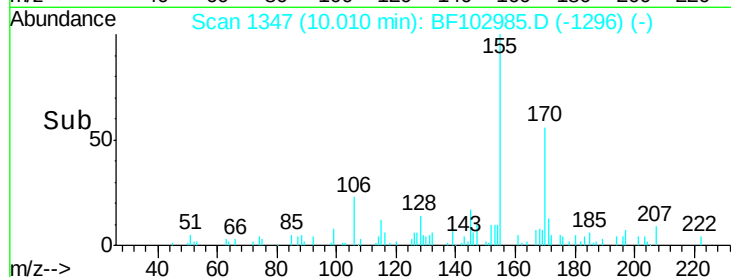
65 90.5 72.6 112.6



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#56

2,4-Dinitrotoluene

Concen: 3.275 ng

RT: 10.12 min Scan# 1365

Delta R.T. 0.02 min

Lab File: BF102985.D

Acq: 14 Feb 2018 13:21

Tgt Ion:165 Resp: 1111

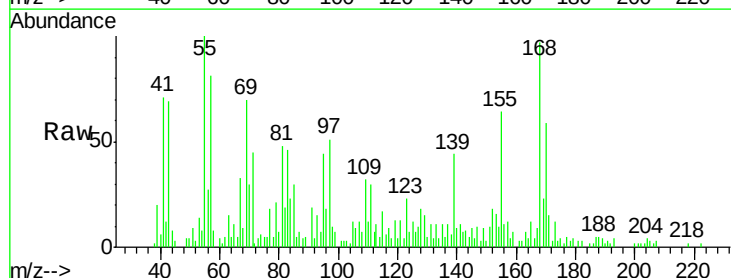
Ion Ratio Lower Upper

165 100

63 122.7 36.4 54.6#

89 40.5 57.8 86.6#

182 25.8 1.6 2.4#

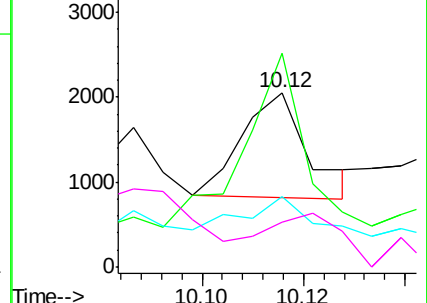
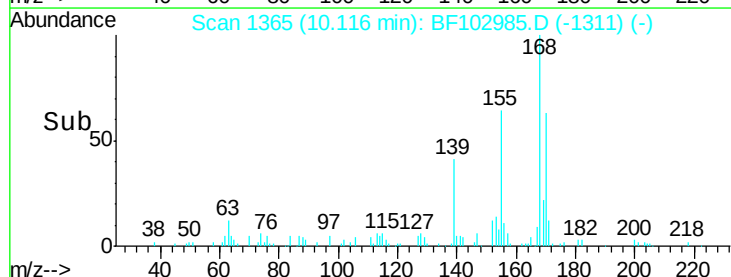


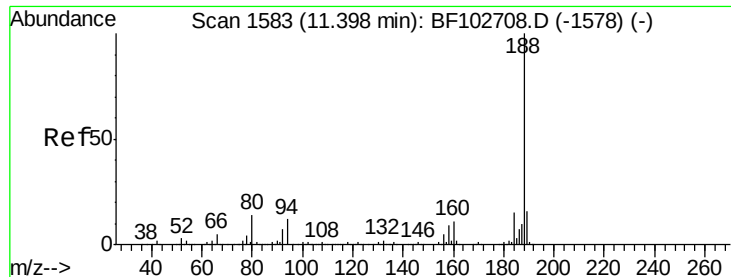
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.40 min Scan# 1584

Delta R.T. 0.01 min

Lab File: BF102985.D

Acq: 14 Feb 2018 13:21

Instrument :

BNA_F

ClientSampled :

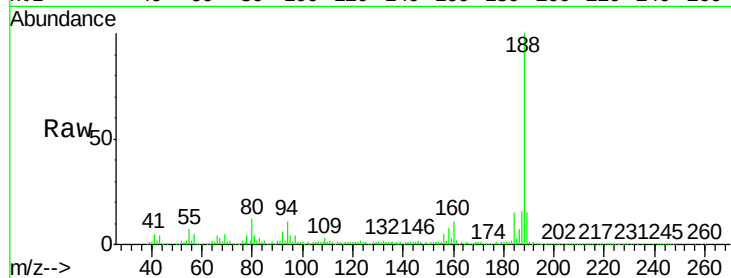
Tot Ion:188 Resp: 367111

Ion Ratio Lower Upper

188 100

94 10.9 8.5 12.7

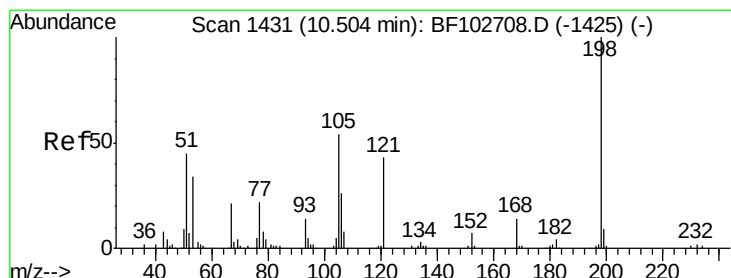
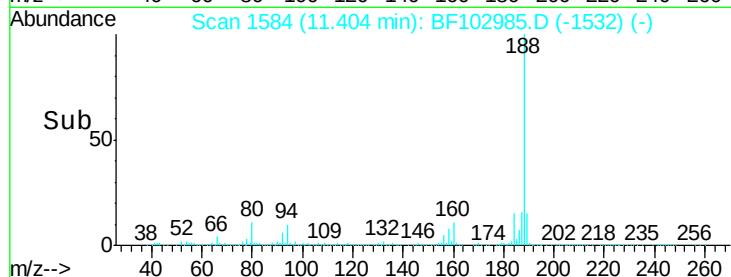
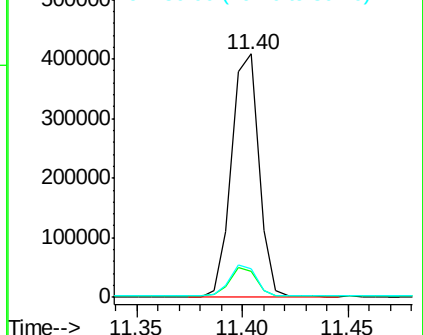
80 11.5 9.2 13.8



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: 8.861 ng

RT: 10.47 min Scan# 1426

Delta R.T. -0.03 min

Lab File: BF102985.D

Acq: 14 Feb 2018 13:21

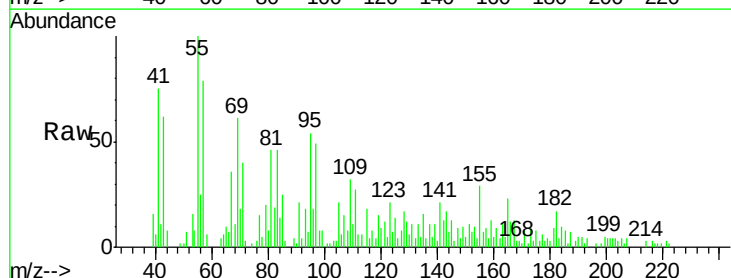
Tgt Ion:198 Resp: 114

Ion Ratio Lower Upper

198 100

51 346.9 37.7 77.7#

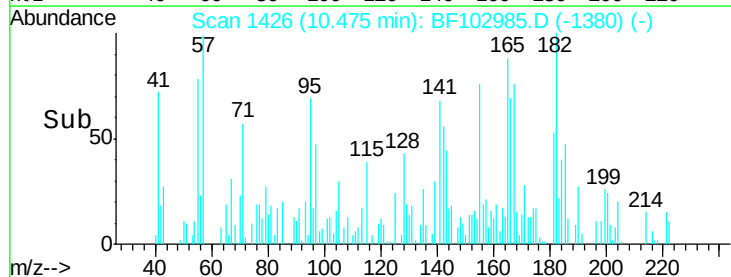
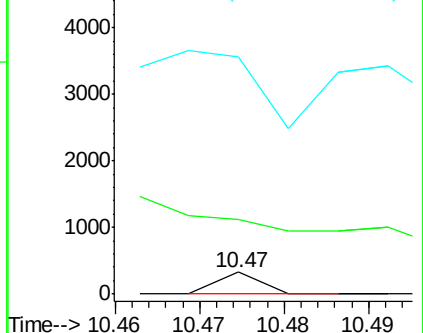
105 1096.3 36.3 76.3#

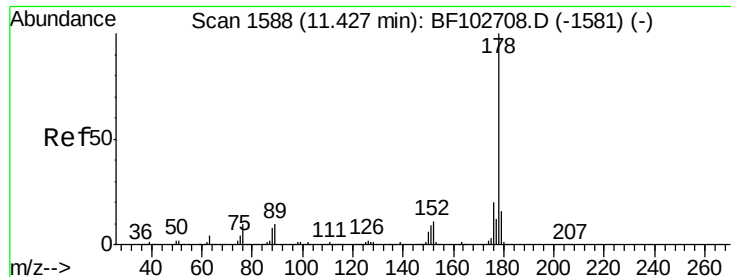


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#70

Phenanthrene

Concen: 2.356 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BF102985.D

Acq: 14 Feb 2018 13:21

Instrument :

BNA_F

ClientSampleId :

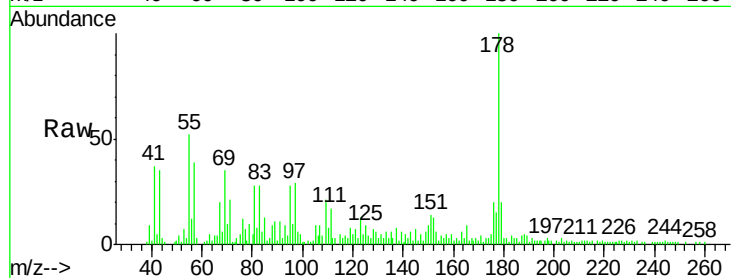
Tot Ion:178 Resp: 48172

Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.8

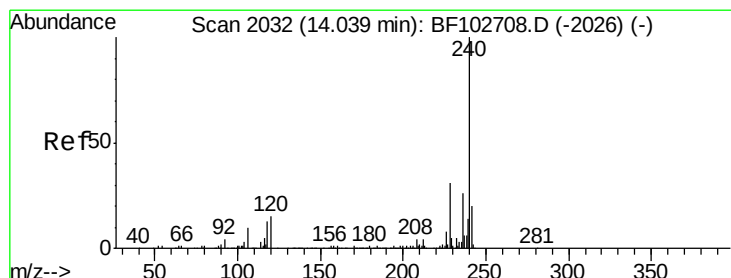
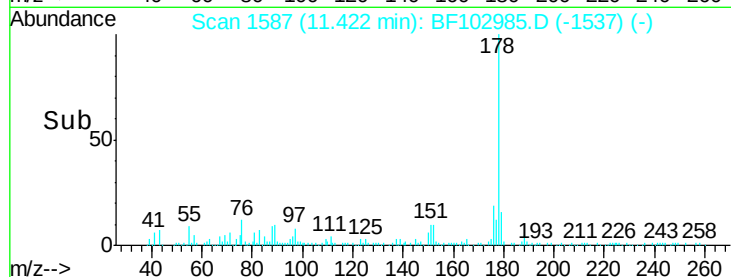
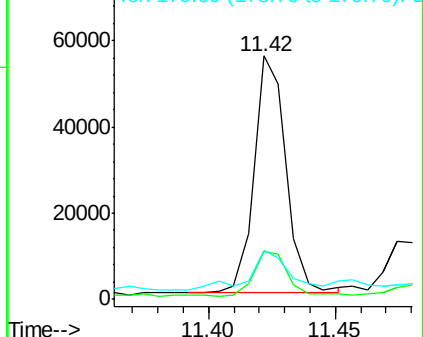
179 20.3 13.0 19.6#



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

Delta R.T. 0.01 min

Lab File: BF102985.D

Acq: 14 Feb 2018 13:21

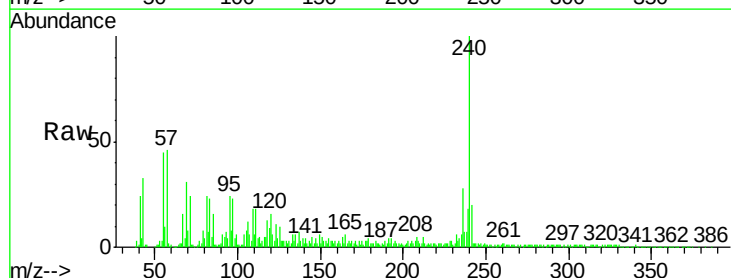
Tgt Ion:240 Resp: 247059

Ion Ratio Lower Upper

240 100

120 16.0 9.5 14.3#

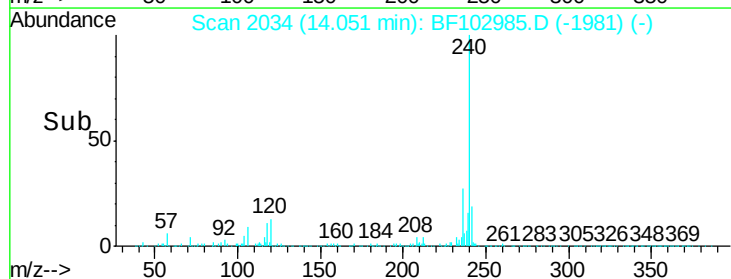
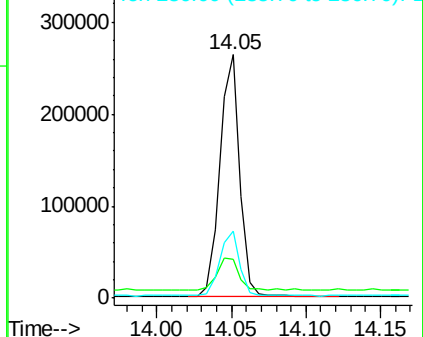
236 27.6 20.7 31.1

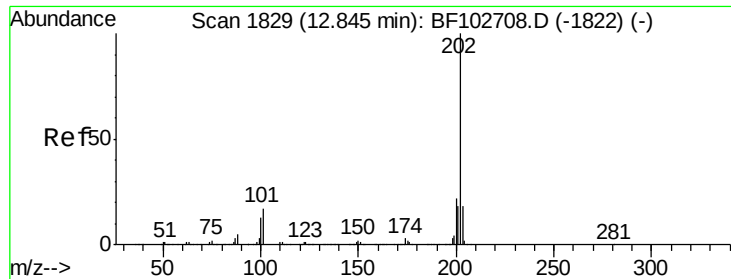


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.735 ng

RT: 12.85 min Scan# 1829

Delta R.T. 0.00 min

Lab File: BF102985.D

Acq: 14 Feb 2018 13:21

Instrument :

BNA_F

ClientSampleId :

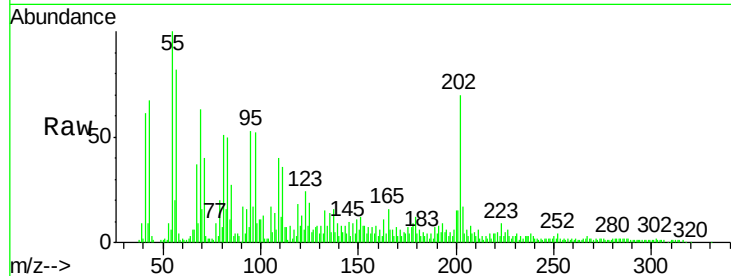
Tot Ion:202 Resp: 52995

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

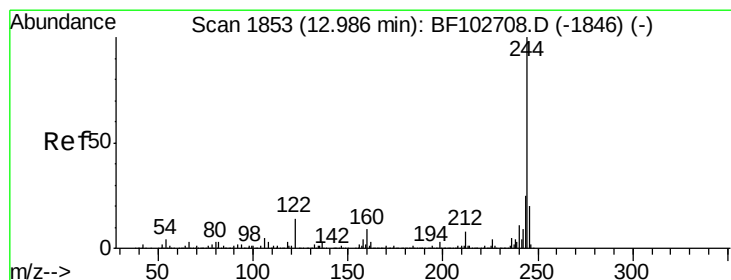
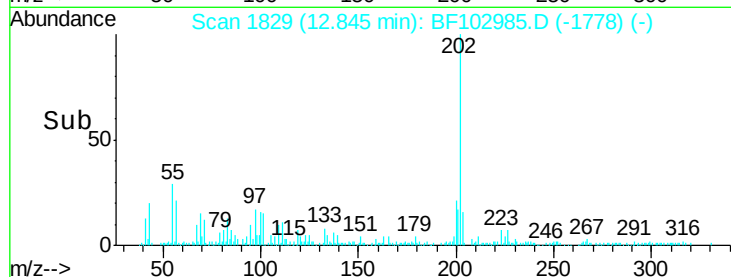
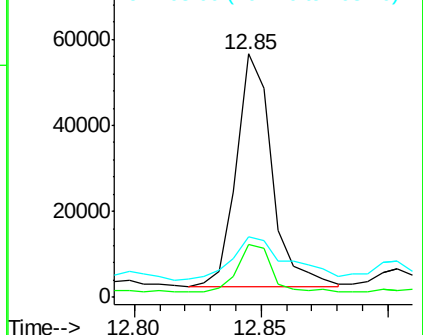
203 24.7 14.3 21.5#



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: 35.763 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.00 min

Lab File: BF102985.D

Acq: 14 Feb 2018 13:21

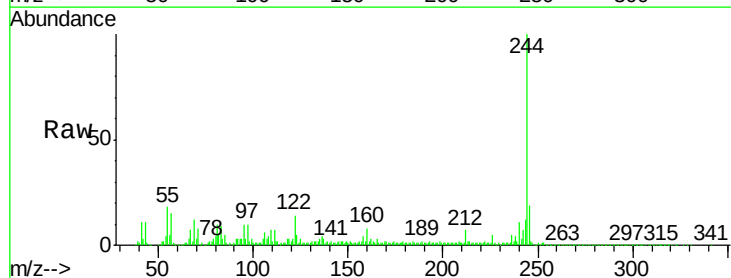
Tgt Ion:244 Resp: 373159

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

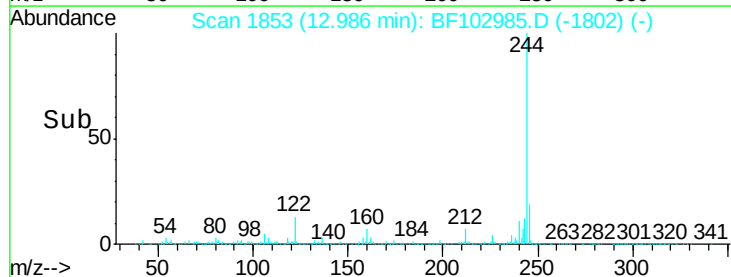
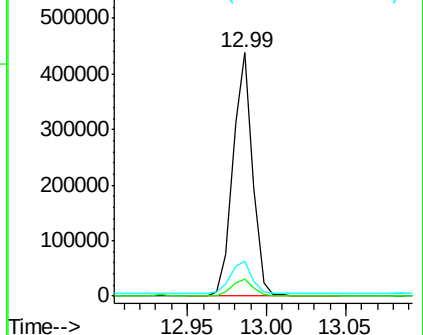
122 14.3 11.0 16.4

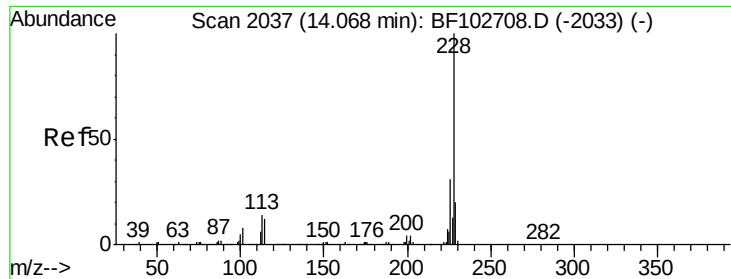


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#82

Chrysene

Concen: 2.249 ng

RT: 14.07 min Scan# 2038

Delta R.T. 0.01 min

Lab File: BF102985.D

Acq: 14 Feb 2018 13:21

Instrument :

BNA_F

ClientSampleId :

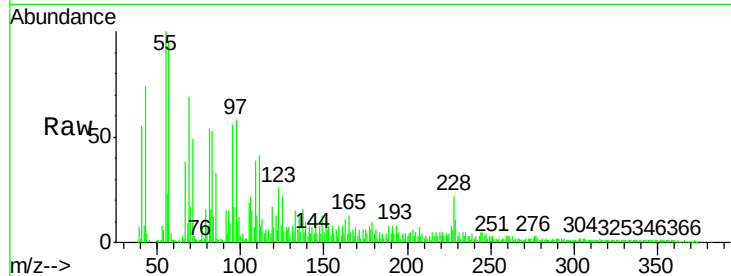
Tot Ion:228 Resp: 35224

Ion Ratio Lower Upper

228 100

226 35.8 25.0 37.6

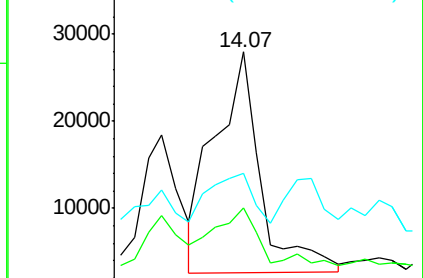
229 50.3 16.2 24.4#



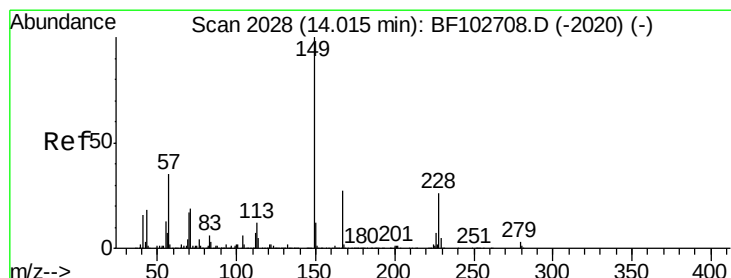
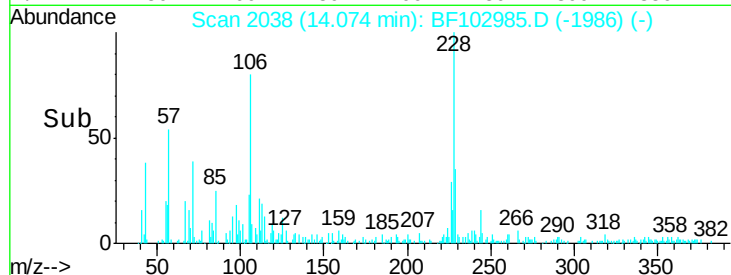
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.151 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BF102985.D

Acq: 14 Feb 2018 13:21

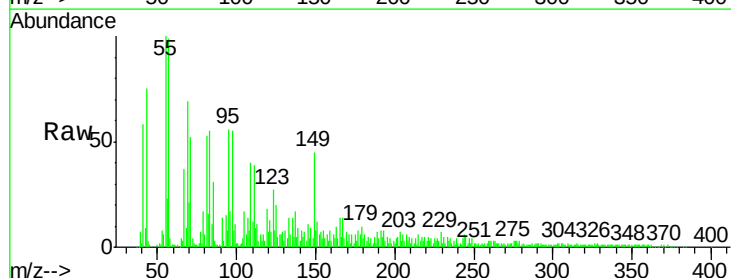
Tgt Ion:149 Resp: 37400

Ion Ratio Lower Upper

149 100

167 32.6 21.3 31.9#

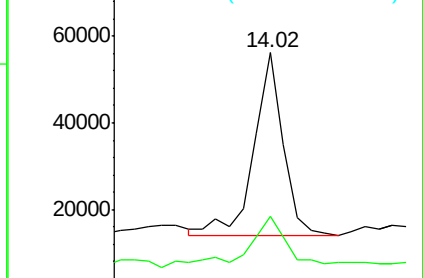
279 5.9 3.0 4.4#



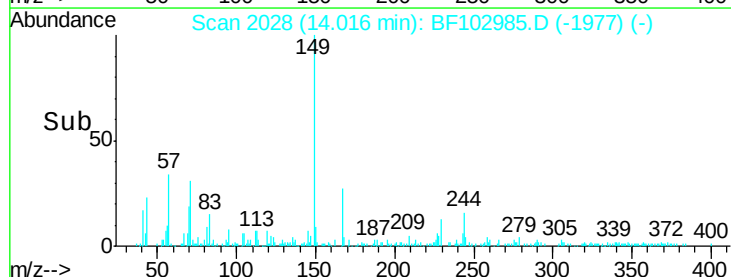
Abundance Ion 149.00 (148.70 to 149.70): E

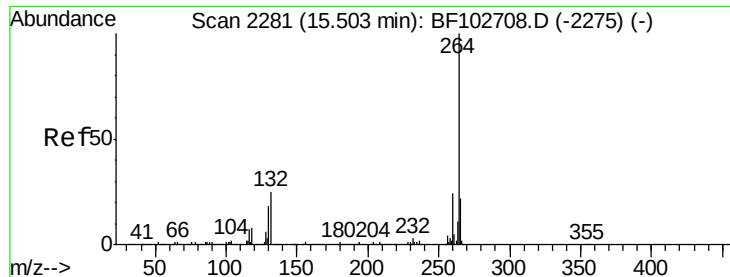
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->

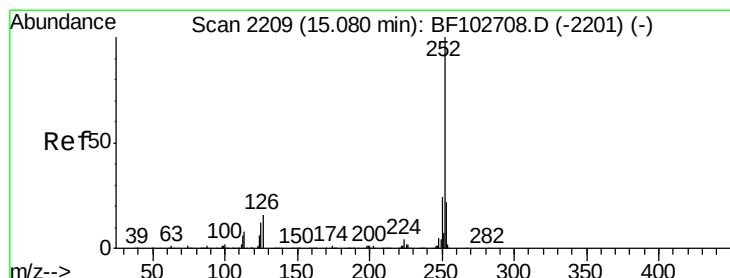
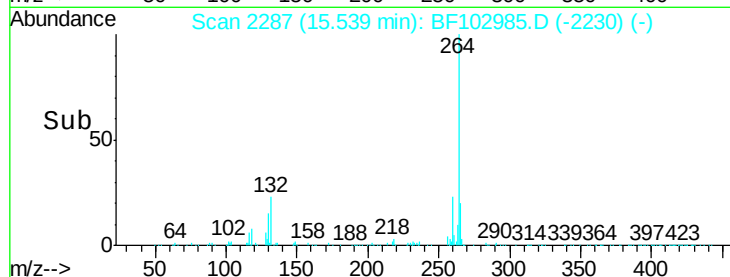
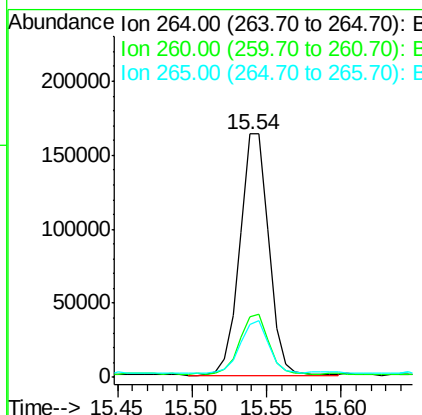
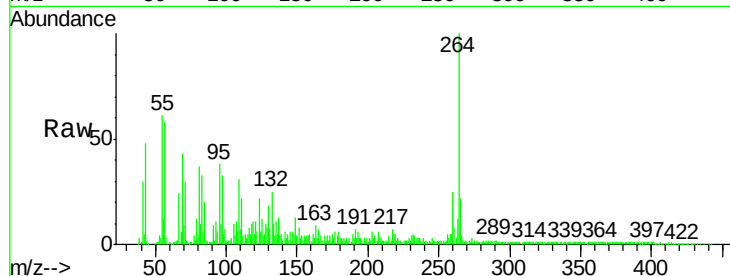




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.04 min
Lab File: BF102985.D
Acq: 14 Feb 2018 13:21

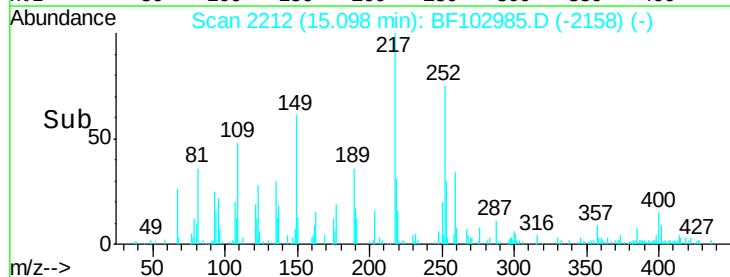
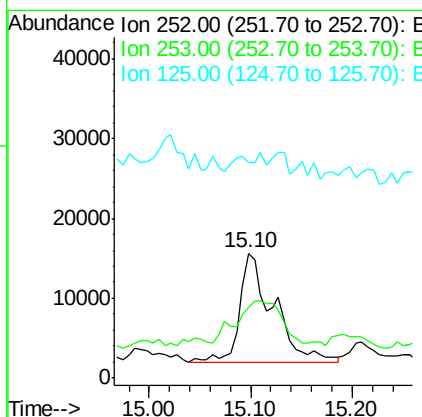
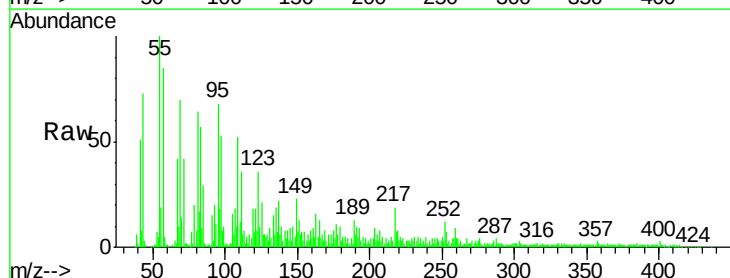
Instrument :
BNA_F
ClientSampleId :

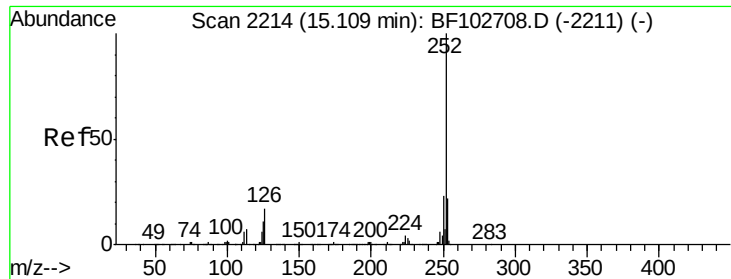
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	21.8	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 2.229 ng
RT: 15.10 min Scan# 2212
Delta R.T. 0.02 min
Lab File: BF102985.D
Acq: 14 Feb 2018 13:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	57.0	17.0	25.6#
125	172.7	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 2.332 ng

RT: 15.10 min Scan# 2212

Delta R.T. -0.01 min

Lab File: BF102985.D

Acq: 14 Feb 2018 13:21

Instrument :

BNA_F

ClientSampleId :

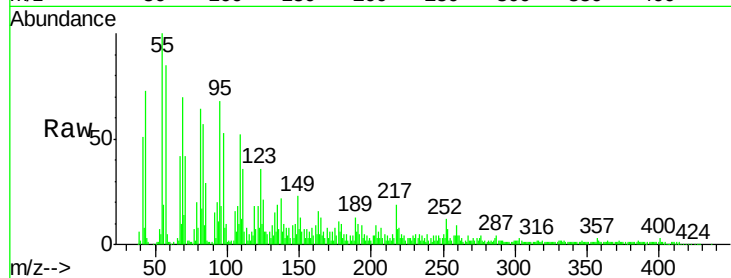
Tot Ion:252 Resp: 31778

Ion Ratio Lower Upper

252 100

253 57.0 17.9 26.9#

125 172.7 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

