

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030618\
 Data File : BF103462.D
 Acq On : 6 Mar 2018 18:23
 Operator : SJ/JU
 Sample : J1792-09
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 07 00:12:17 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 06 11:52:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	147146	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	648540	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	269082	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	438612	20.00	ng	0.00
75) Chrysene-d12	14.06	240	266816	20.00	ng	0.00
86) Perylene-d12	15.57	264	243255	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	967340	99.43	ng	0.00
7) Phenol-d6	6.51	99	1186571	99.67	ng	0.00
23) Nitrobenzene-d5	7.44	82	782240	68.88	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	177290	77.84	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1030797	61.74	ng	0.00
78) Terphenyl-d14	12.99	244	712714	64.21	ng	0.00

Target Compounds

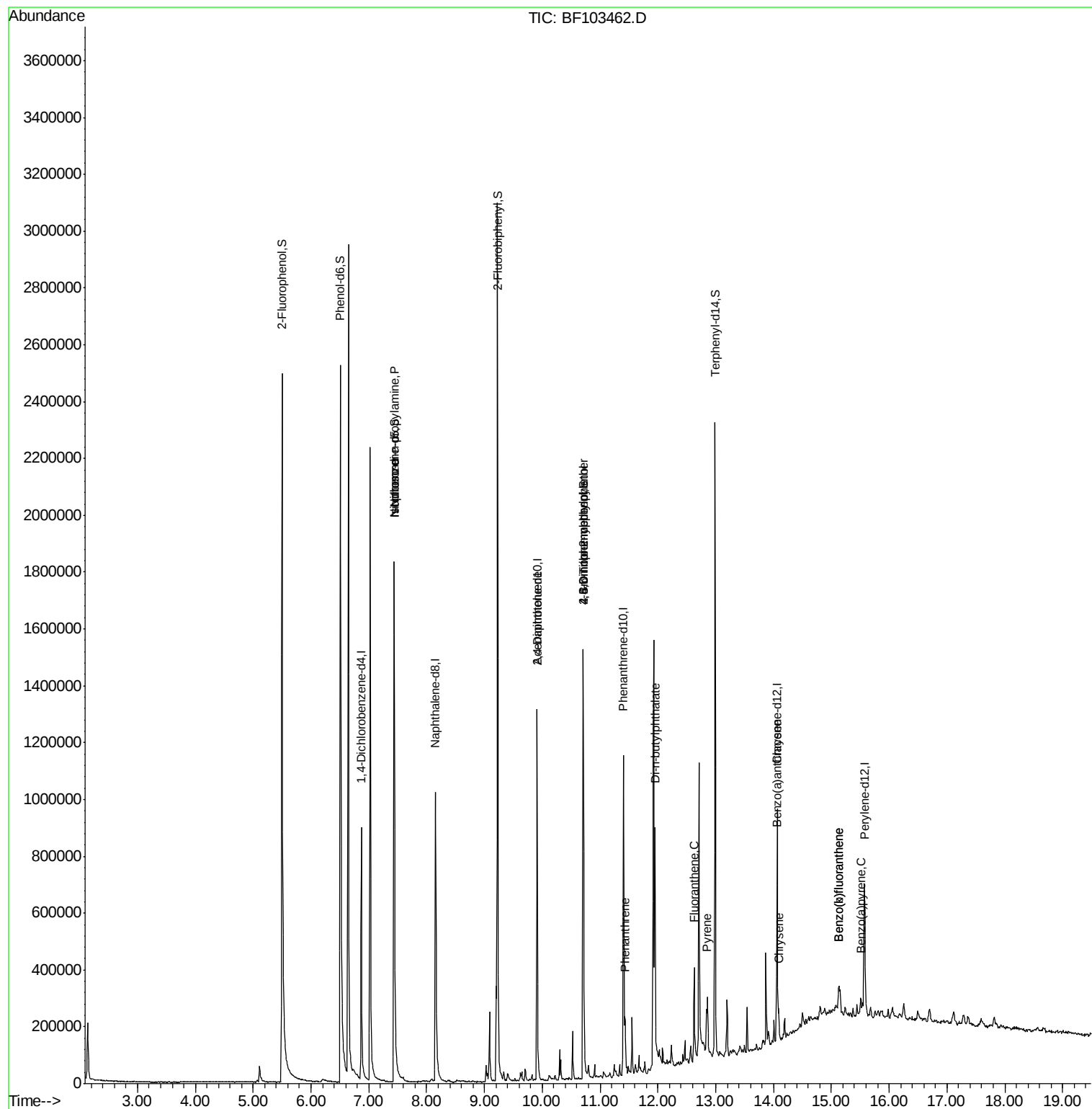
						Qvalue
9) Benzaldehyde	6.51	77	1582	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.44	70	104557	14.112 ng	#	82
25) Isophorone	7.44	82	782240	34.974 ng	#	64
56) 2,4-Dinitrotoluene	9.91	165	33995	5.934 ng	#	24
64) 4,6-Dinitro-2-methylphenol	10.71	198	389	5.076 ng	#	1
66) 4-Bromophenyl-phenylether	10.71	248	12515	2.739 ng	#	1
70) Phenanthrene	11.43	178	52828	2.189 ng		98
73) Di-n-butylphthalate	11.95	149	333383	10.809 ng		98
74) Fluoranthene	12.63	202	102960	4.245 ng		98
77) Pyrene	12.86	202	89020	4.279 ng		99
80) Benzo(a)anthracene	14.05	228	37954	2.192 ng		97
82) Chrysene	14.09	228	38514	2.291 ng		99
87) Benzo(b)fluoranthene	15.13	252	64149	4.011 ng	#	91
88) Benzo(k)fluoranthene	15.13	252	64149	4.259 ng	#	94
89) Benzo(a)pyrene	15.51	252	31956	2.237 ng	#	87

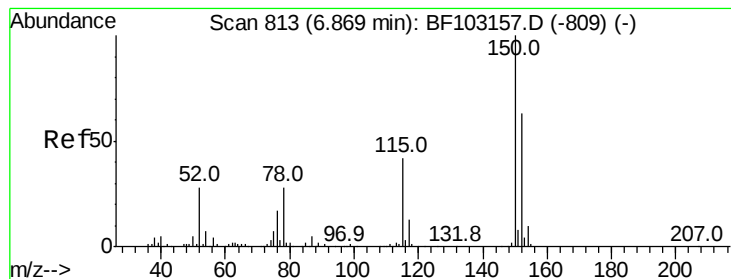
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.87 min Scan# 813

Delta R.T. 0.00 min

Lab File: BF103462.D

Acq: 6 Mar 2018 18:23

Instrument :

BNA_F

ClientSampleId :

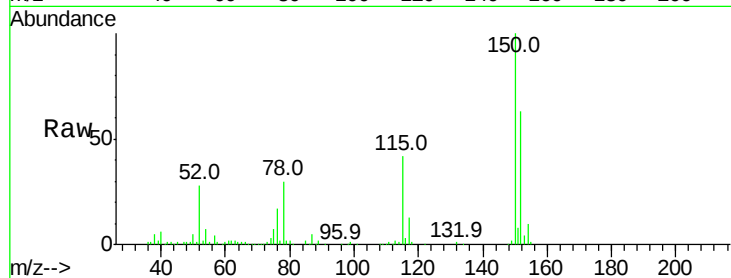
Tot Ion:152 Resp: 147146

Ion Ratio Lower Upper

152 100

150 158.3 124.6 186.8

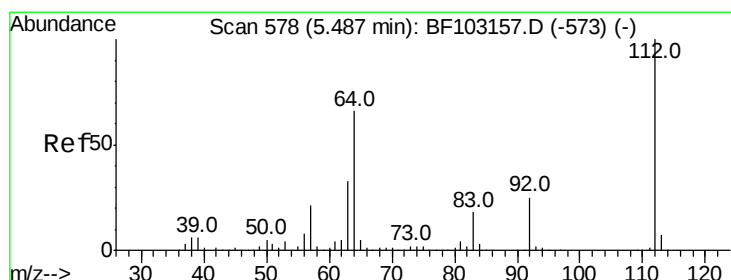
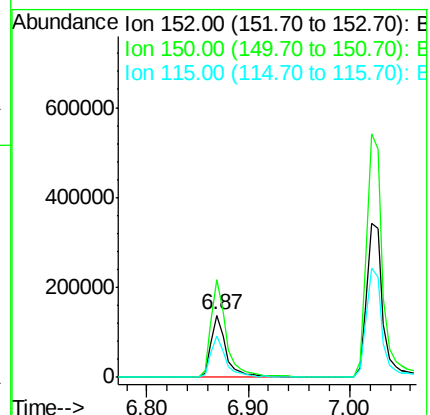
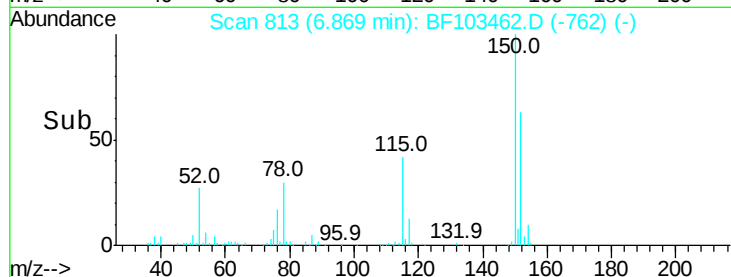
115 66.3 50.1 75.1



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: 99.427 ng

RT: 5.50 min Scan# 580

Delta R.T. 0.00 min

Lab File: BF103462.D

Acq: 6 Mar 2018 18:23

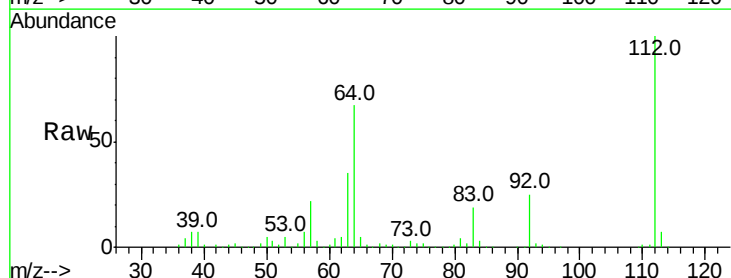
Tgt Ion:112 Resp: 967340

Ion Ratio Lower Upper

112 100

64 66.6 47.9 71.9

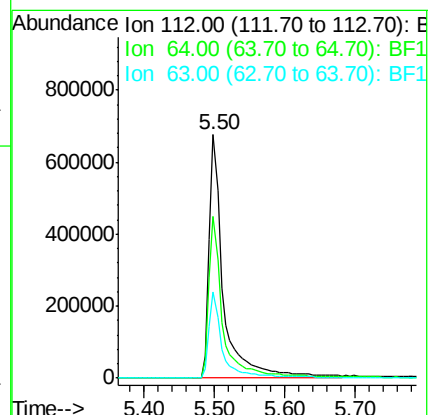
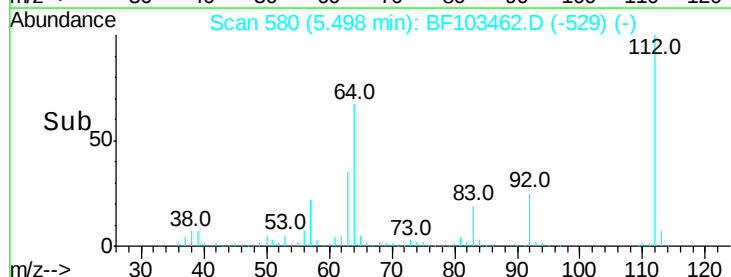
63 35.2 23.7 35.5

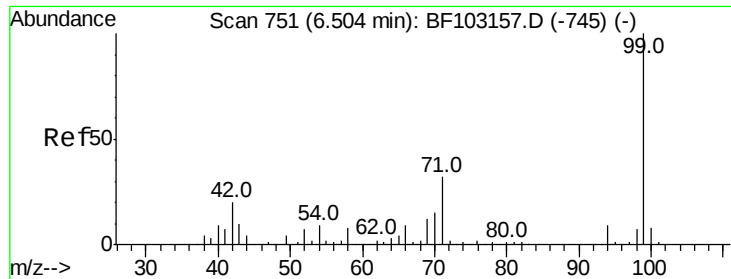


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 99.670 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF103462.D

Acq: 6 Mar 2018 18:23

Instrument :

BNA_F

ClientSampleId :

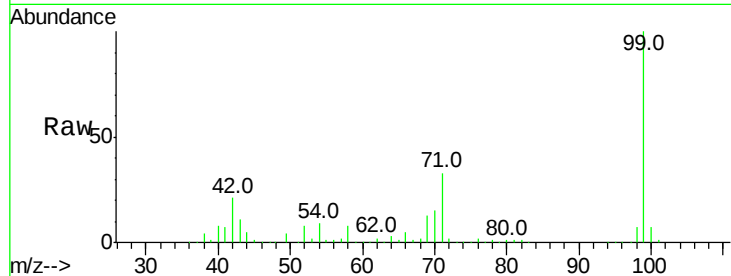
Tot Ion: 99 Resp: 1186571

Ion Ratio Lower Upper

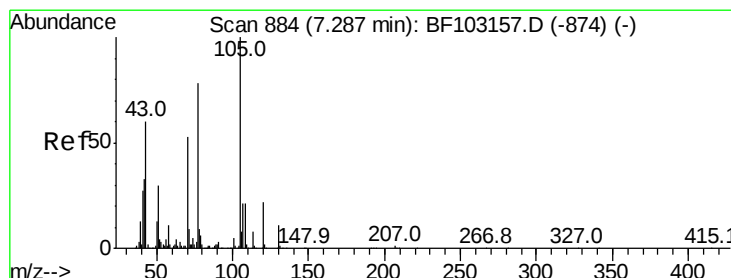
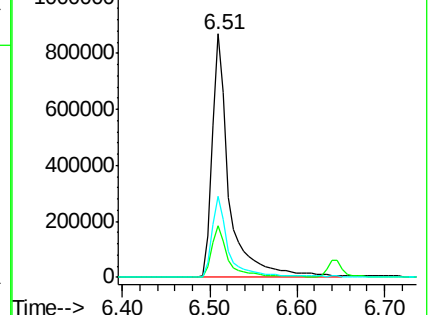
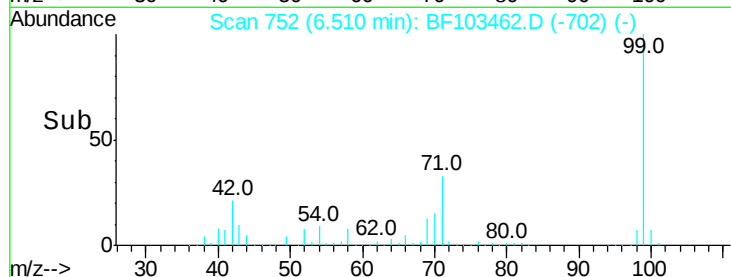
99 100

42 21.1 14.5 21.7

71 33.1 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 14.112 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103462.D

Acq: 6 Mar 2018 18:23

Tgt Ion: 70 Resp: 104557

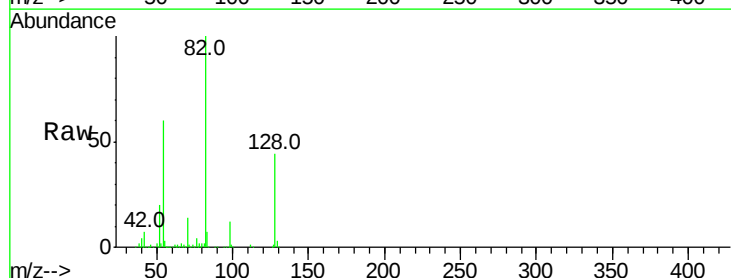
Ion Ratio Lower Upper

70 100

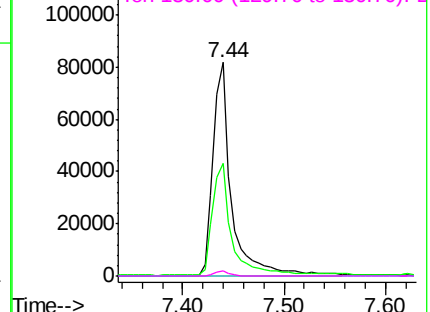
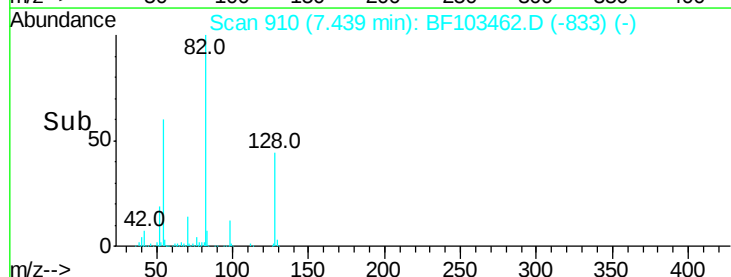
42 53.0 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

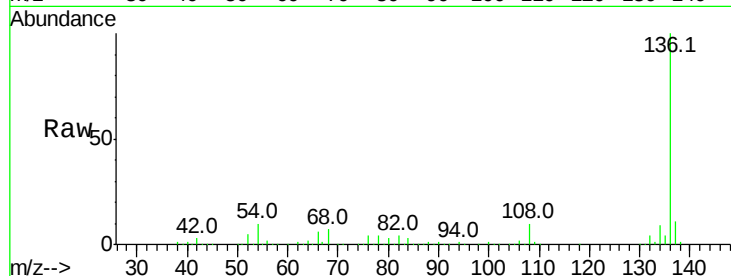




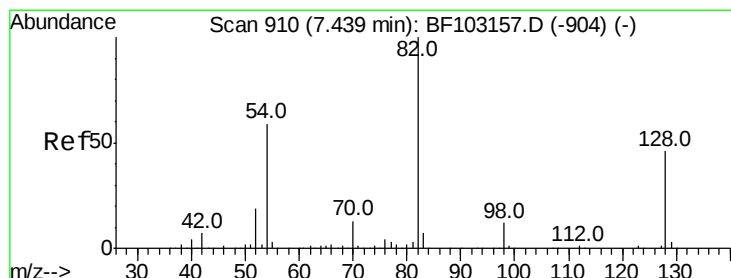
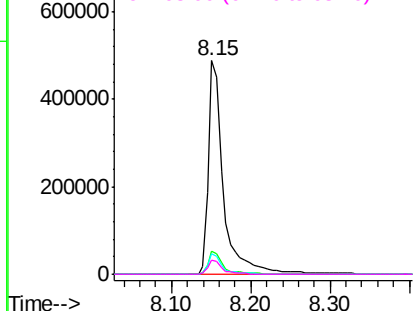
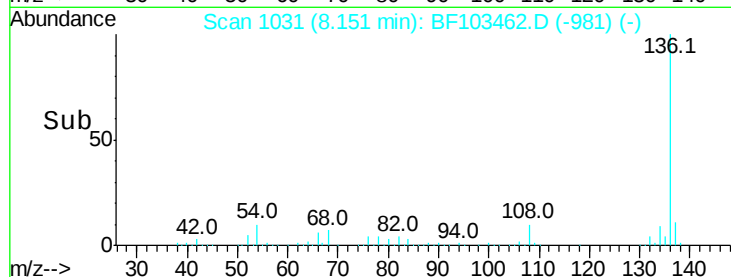
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF103462.D
Acq: 6 Mar 2018 18:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	648540
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.8	6.6	9.8
68	6.7	5.0	7.4

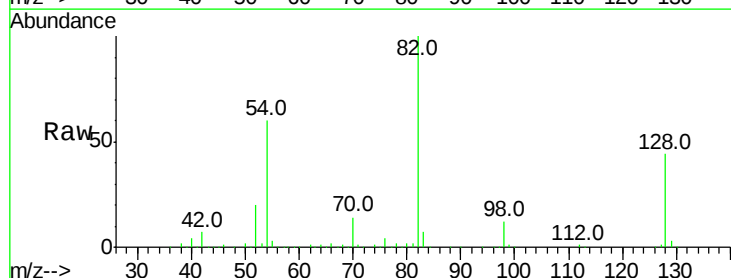


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

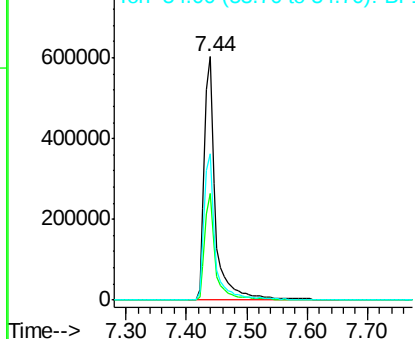
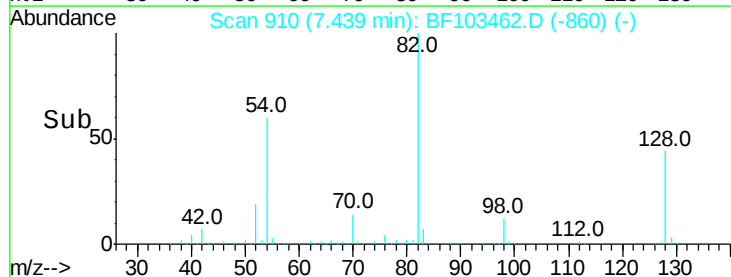


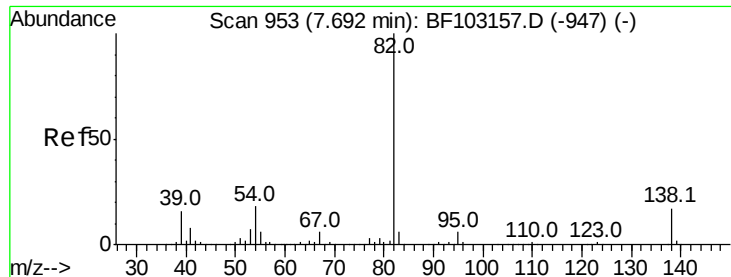
#23
Nitrobenzene-d5
Concen: 68.882 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103462.D
Acq: 6 Mar 2018 18:23

Tgt Ion:	82	Resp:	782240
Ion	Ratio	Lower	Upper
82	100		
128	44.0	36.1	54.1
54	60.0	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: 34.974 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.25 min

Lab File: BF103462.D

Acq: 6 Mar 2018 18:23

Instrument :

BNA_F

ClientSampleId :

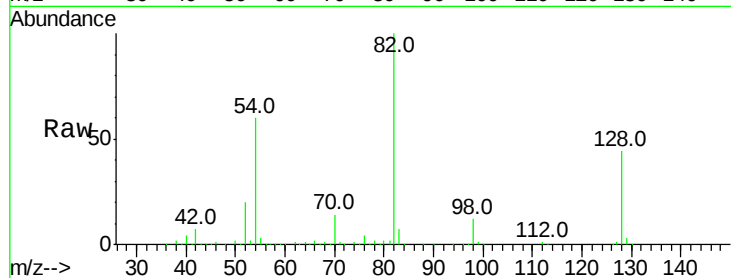
Tot Ion: 82 Resp: 782240

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

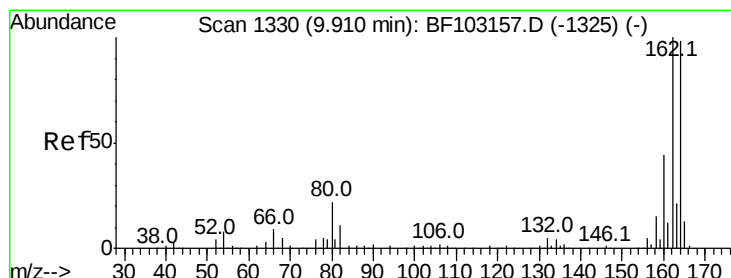
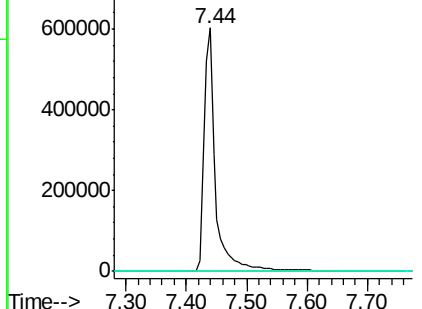
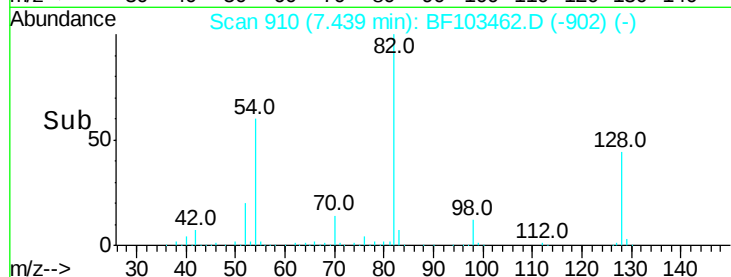
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF103462.D

Acq: 6 Mar 2018 18:23

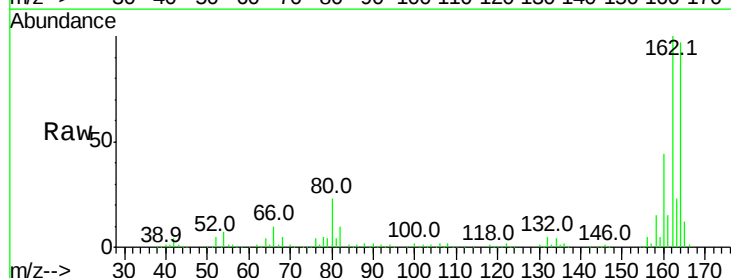
Tgt Ion: 164 Resp: 269082

Ion Ratio Lower Upper

164 100

162 102.6 86.1 129.1

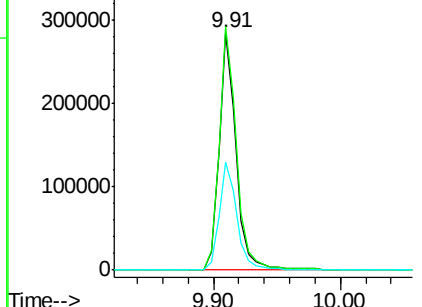
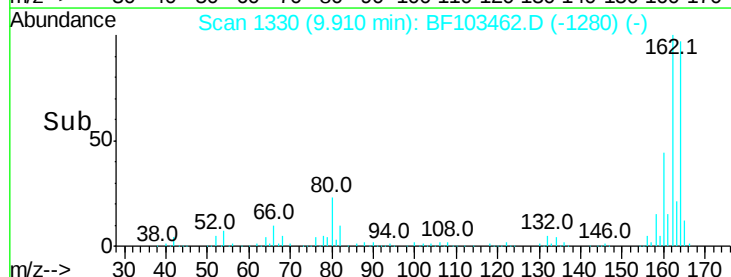
160 45.3 38.3 57.5



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

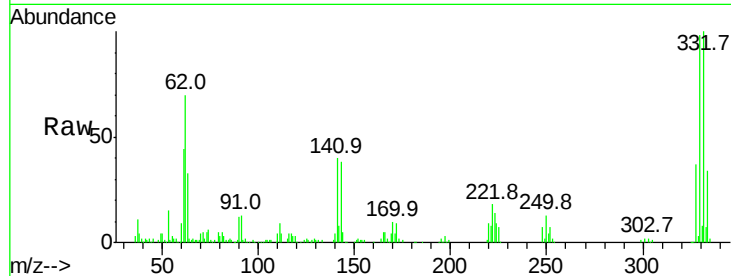




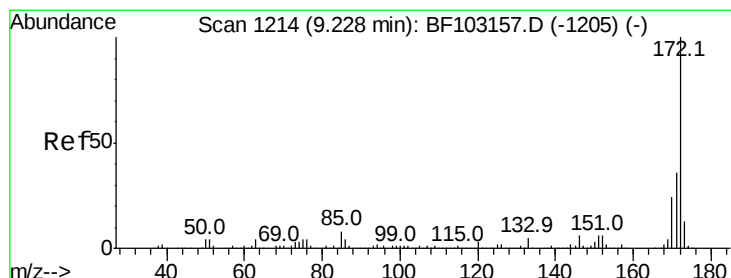
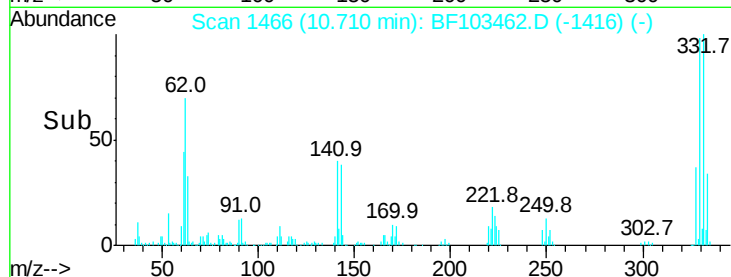
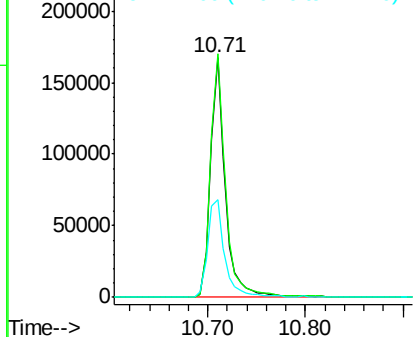
#41
 2,4,6-Tribromophenol
 Concen: 77.840 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF103462.D
 Acq: 6 Mar 2018 18:23

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 177290
 Ion Ratio Lower Upper
 330 100
 332 103.4 77.0 115.6
 141 46.9 29.9 44.9#

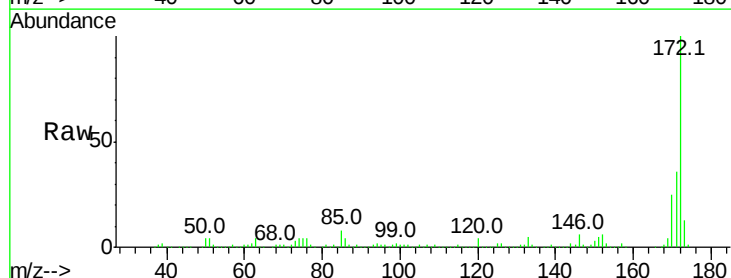


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

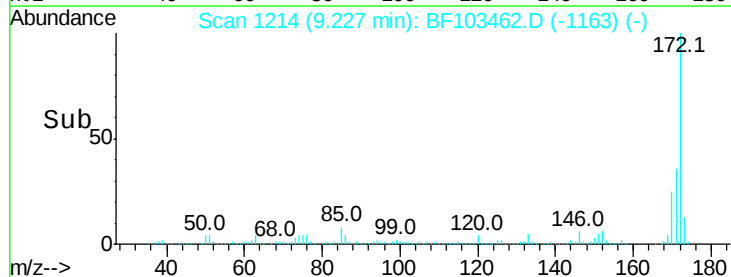
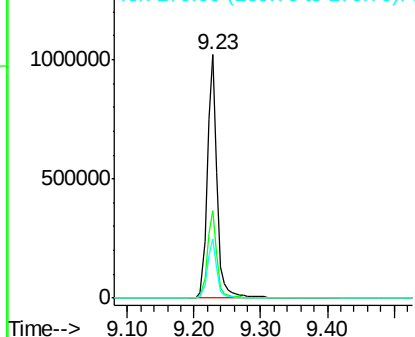


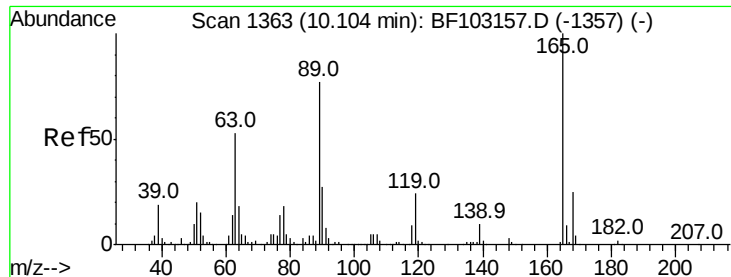
#44
 2-Fluorobiphenyl
 Concen: 61.737 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: BF103462.D
 Acq: 6 Mar 2018 18:23

Tgt Ion:172 Resp: 1030797
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.7 44.5
 170 24.6 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

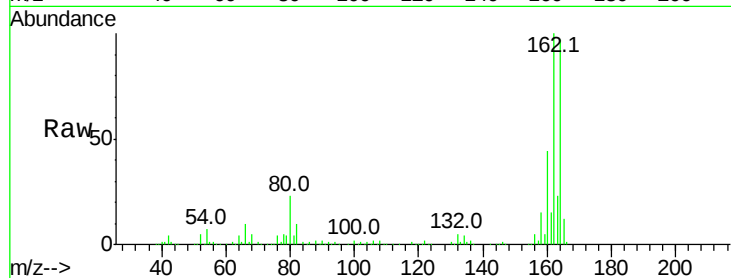




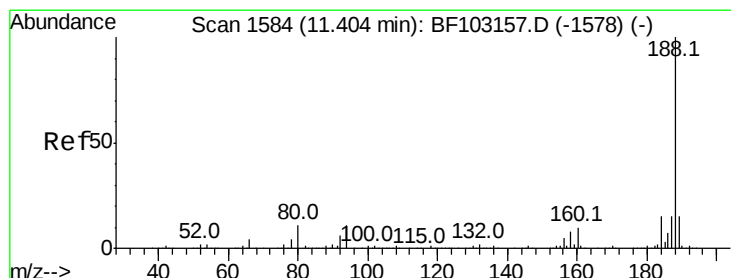
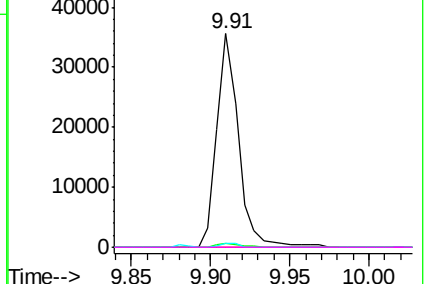
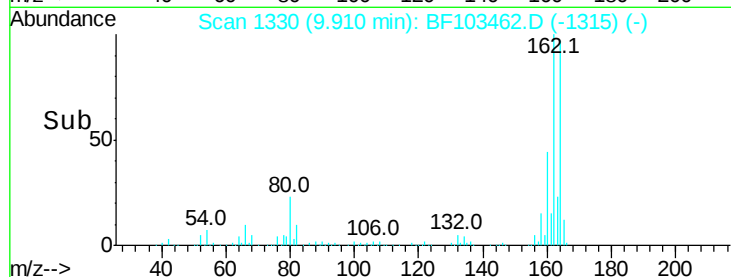
#56
 2,4-Dinitrotoluene
 Concen: 5.934 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.21 min
 Lab File: BF103462.D
 Acq: 6 Mar 2018 18:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 33995
 Ion Ratio Lower Upper
 165 100
 63 1.8 36.4 54.6#
 89 1.5 57.8 86.6#
 182 0.0 1.6 2.4#

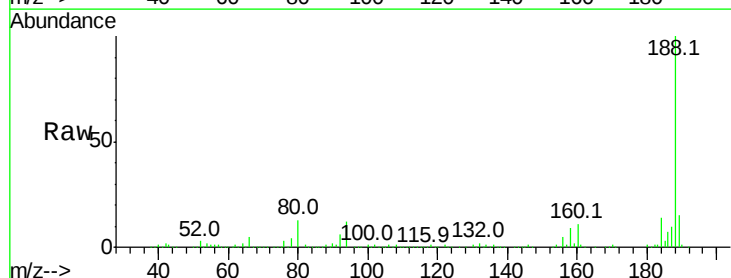


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

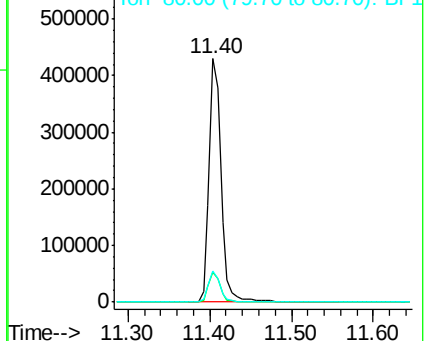
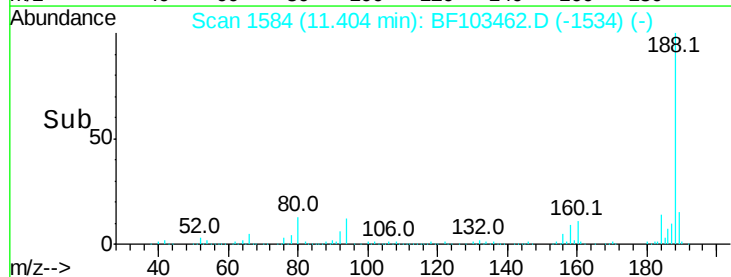


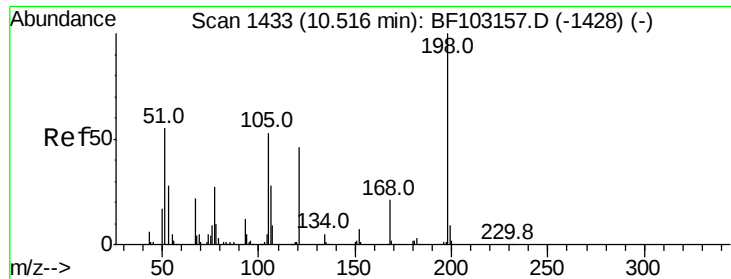
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF103462.D
 Acq: 6 Mar 2018 18:23

Tgt Ion:188 Resp: 438612
 Ion Ratio Lower Upper
 188 100
 94 12.5 8.5 12.7
 80 12.8 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

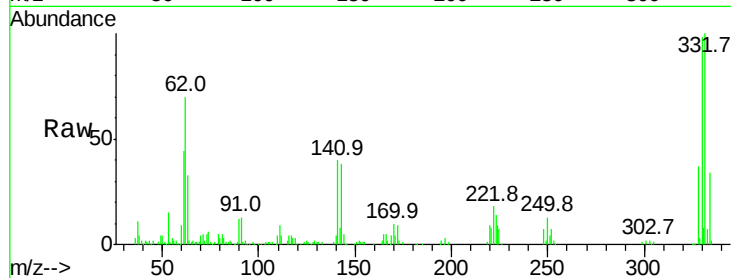




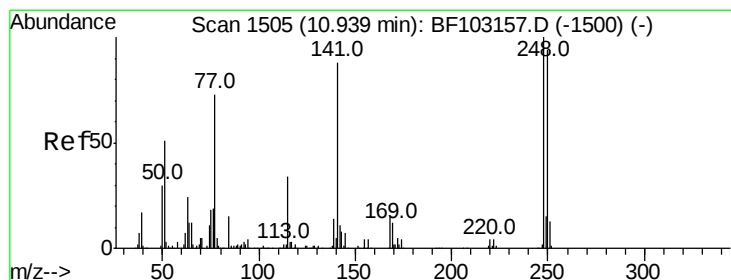
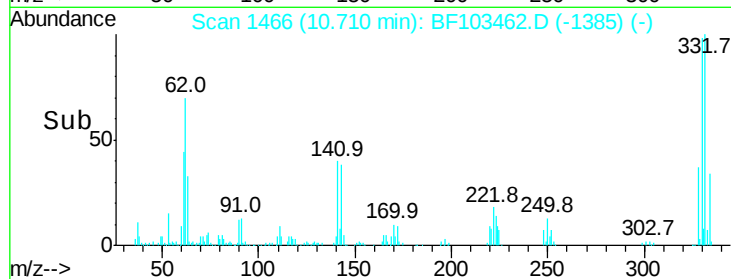
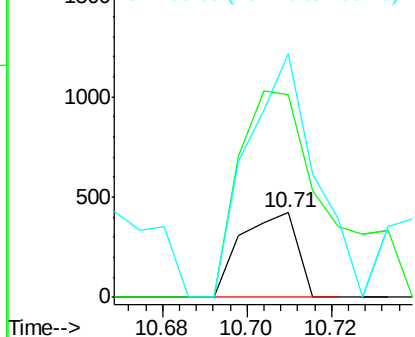
#64
4,6-Dinitro-2-methylphenol
Concen: 5.076 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.18 min
Lab File: BF103462.D
Acq: 6 Mar 2018 18:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 389
Ion Ratio Lower Upper
198 100
51 240.4 37.7 77.7#
105 288.6 36.3 76.3#

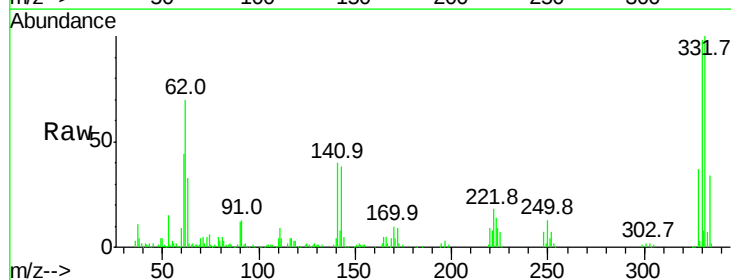


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

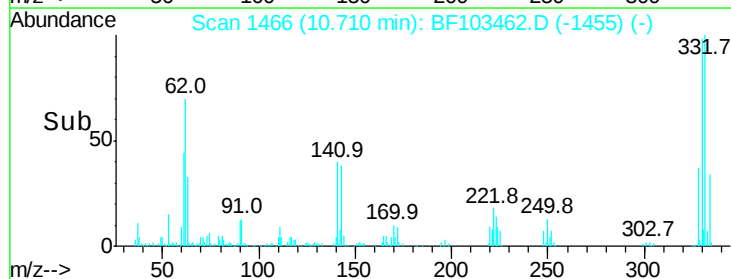
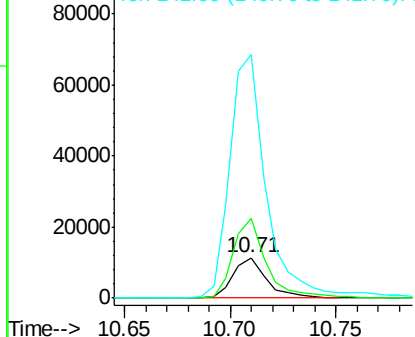


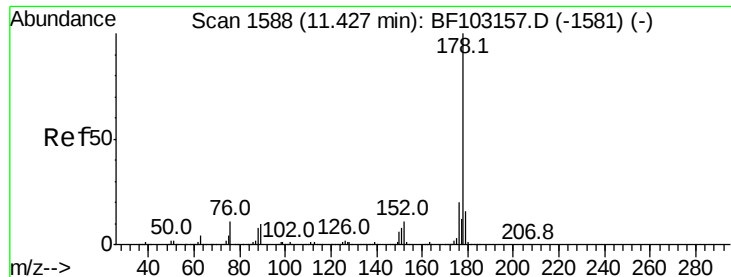
#66
4-Bromophenyl-phenylether
Concen: 2.739 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF103462.D
Acq: 6 Mar 2018 18:23

Tgt Ion:248 Resp: 12515
Ion Ratio Lower Upper
248 100
250 197.7 76.9 115.3#
141 599.5 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

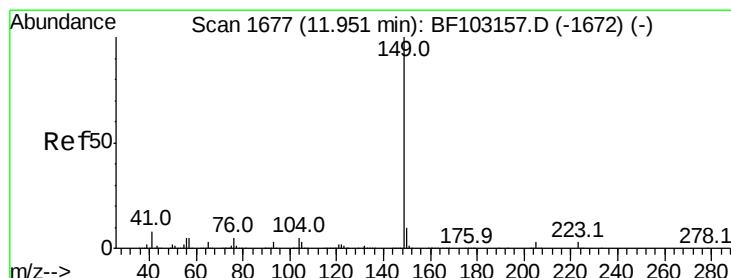
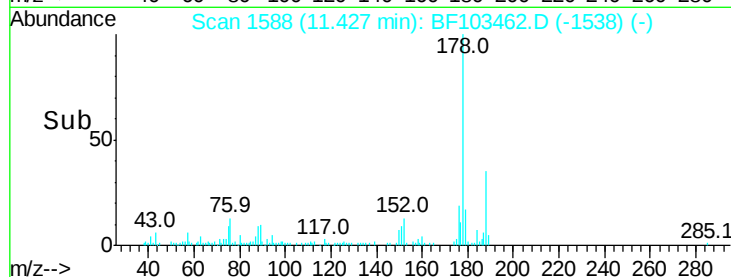
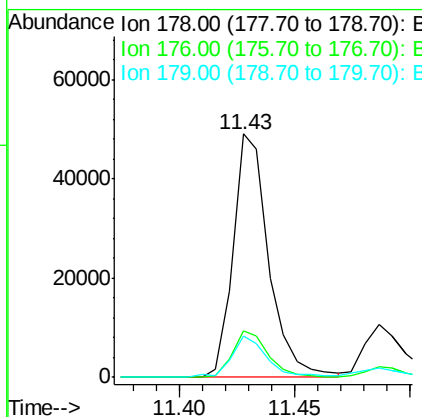
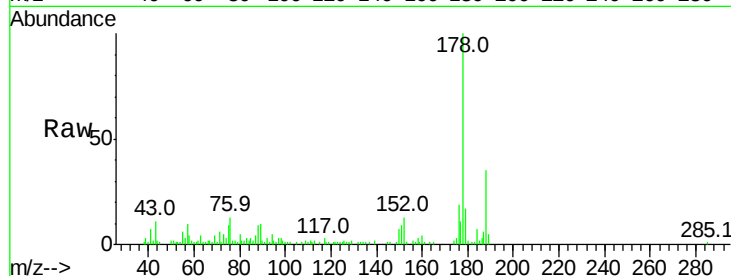




#70
 Phenanthrene
 Concen: 2.189 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.01 min
 Lab File: BF103462.D
 Acq: 6 Mar 2018 18:23

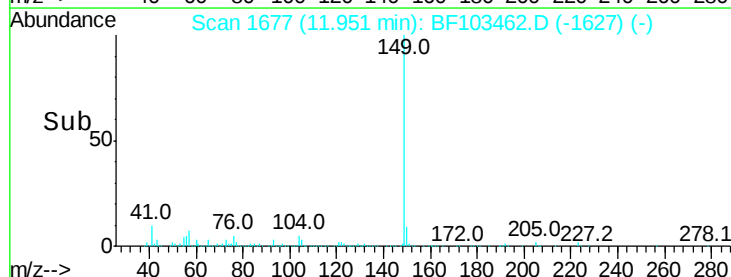
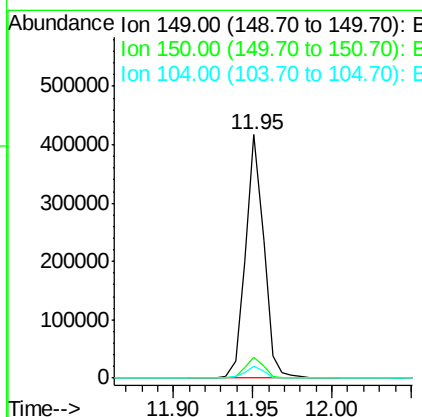
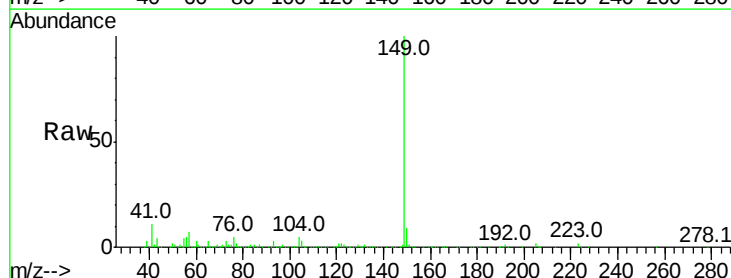
Instrument :
 BNA_F
 ClientSampleId :

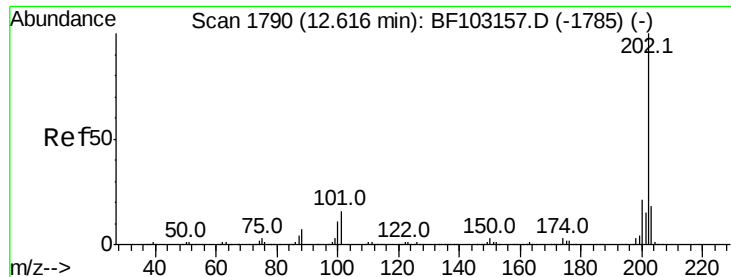
Tot Ion:178 Resp: 52828
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.8 23.8
 179 16.9 13.0 19.6



#73
 Di-n-butylphthalate
 Concen: 10.809 ng
 RT: 11.95 min Scan# 1677
 Delta R.T. -0.01 min
 Lab File: BF103462.D
 Acq: 6 Mar 2018 18:23

Tgt Ion:149 Resp: 333383
 Ion Ratio Lower Upper
 149 100
 150 8.8 7.8 11.6
 104 4.9 3.8 5.8





#74

Fluoranthene

Concen: 4.245 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF103462.D

Acq: 6 Mar 2018 18:23

Instrument :

BNA_F

ClientSampled :

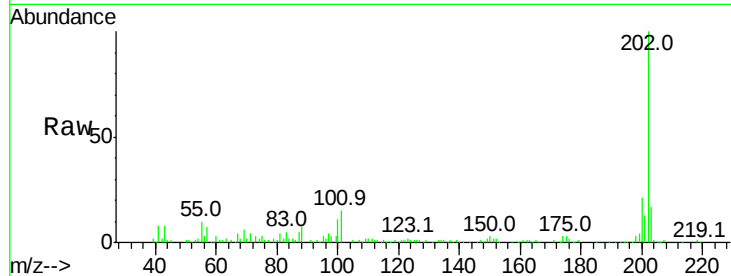
Tot Ion:202 Resp: 102960

Ion Ratio Lower Upper

202 100

101 15.0 0.0 34.1

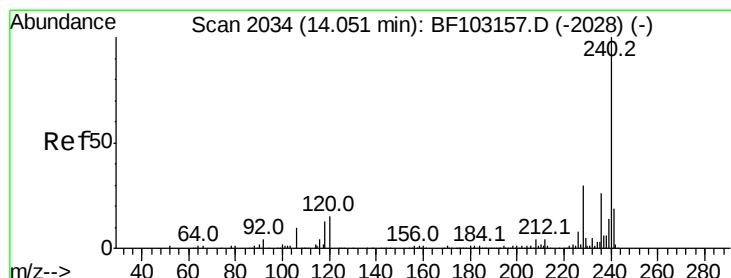
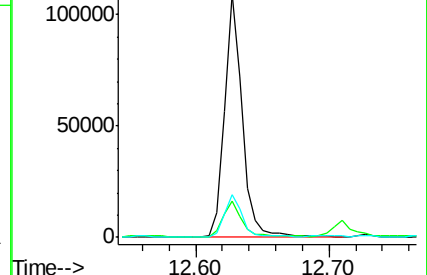
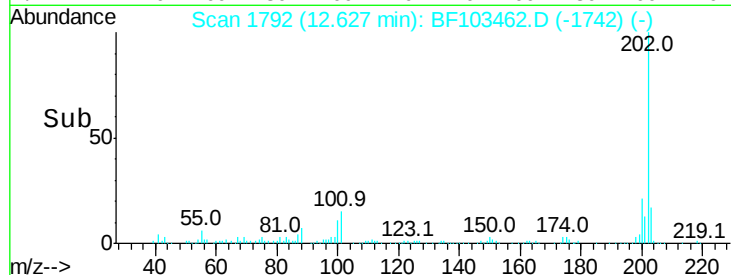
203 17.4 0.0 38.1



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: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF103462.D

Acq: 6 Mar 2018 18:23

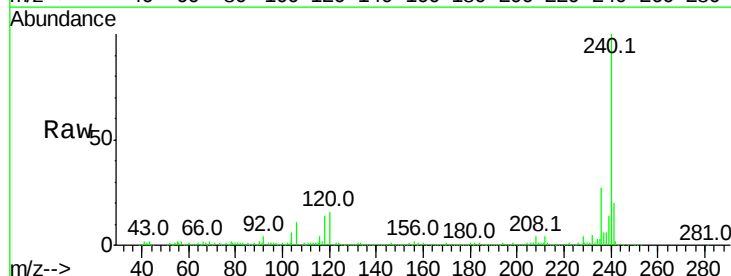
Tgt Ion:240 Resp: 266816

Ion Ratio Lower Upper

240 100

120 15.9 9.5 14.3#

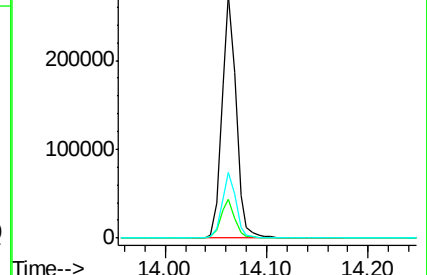
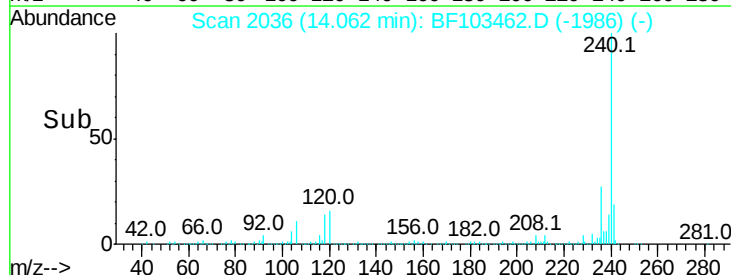
236 27.1 20.7 31.1

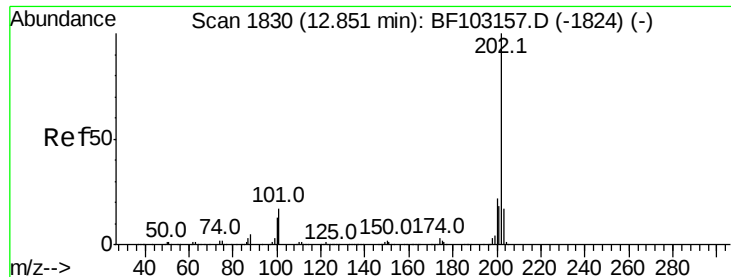


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 4.279 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BF103462.D

Acq: 6 Mar 2018 18:23

Instrument :

BNA_F

ClientSampleId :

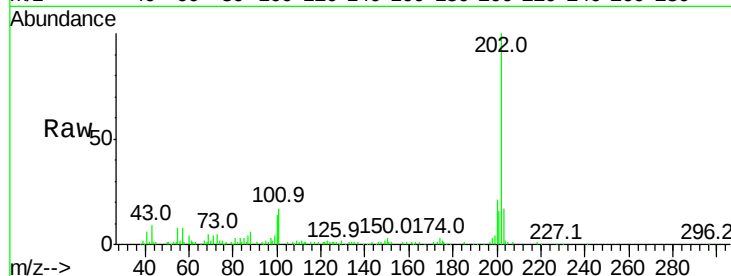
Tot Ion:202 Resp: 89020

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

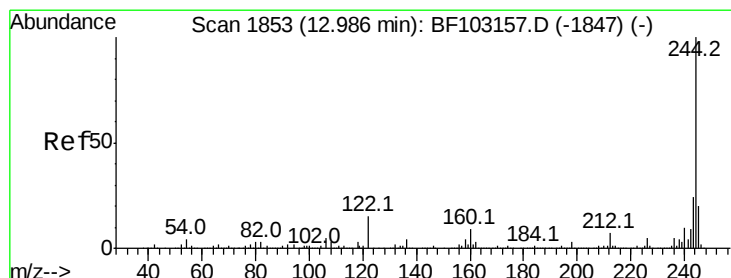
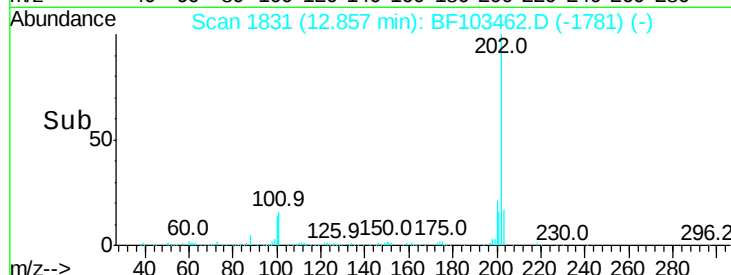
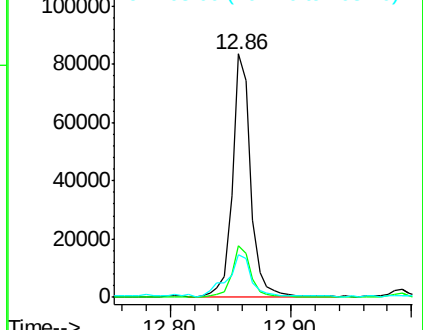
203 17.5 14.3 21.5



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: 64.212 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF103462.D

Acq: 6 Mar 2018 18:23

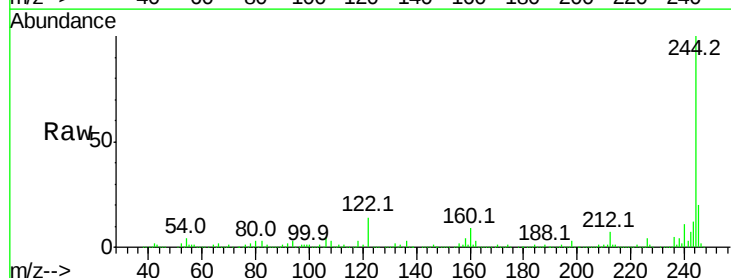
Tgt Ion:244 Resp: 712714

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

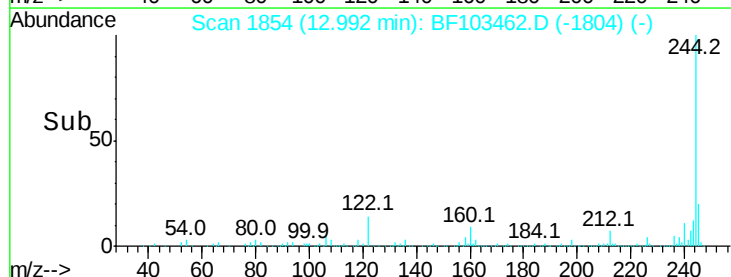
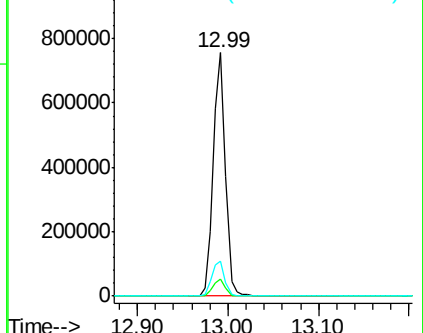
122 14.3 11.0 16.4

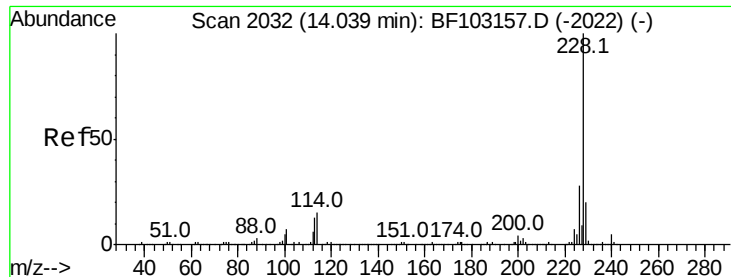


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

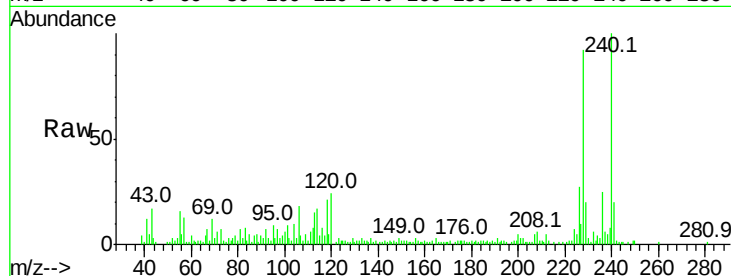




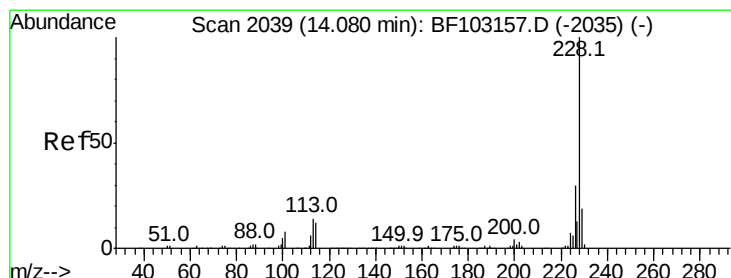
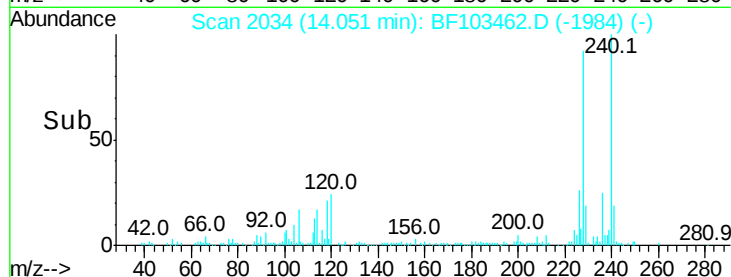
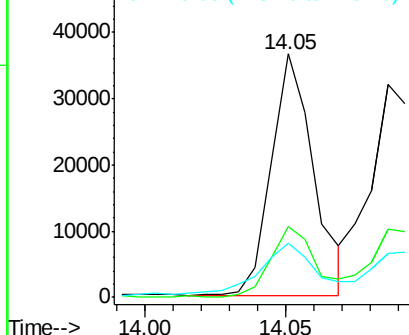
#80
Benzo(a)anthracene
Concen: 2.192 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF103462.D
Acq: 6 Mar 2018 18:23

Instrument :
BNA_F
ClientSampled :

Tot Ion:228 Resp: 37954
Ion Ratio Lower Upper
228 100
226 29.2 22.6 33.8
229 22.2 15.8 23.6

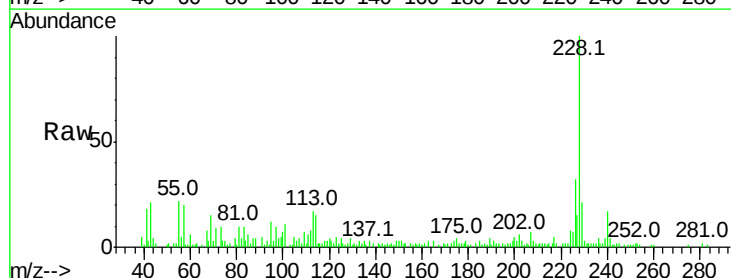


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

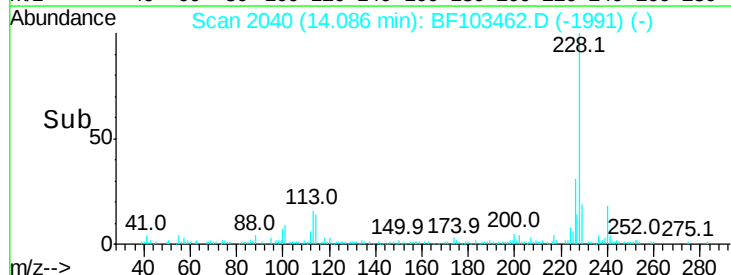
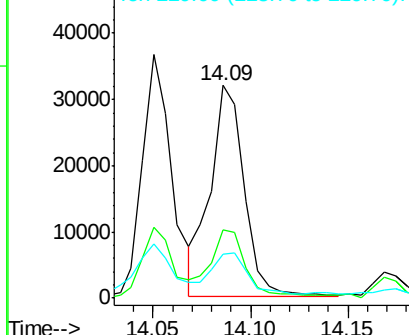


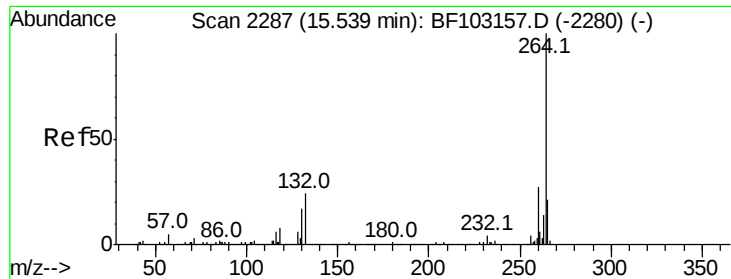
#82
Chrysene
Concen: 2.291 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF103462.D
Acq: 6 Mar 2018 18:23

Tgt Ion:228 Resp: 38514
Ion Ratio Lower Upper
228 100
226 32.0 25.0 37.6
229 20.6 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



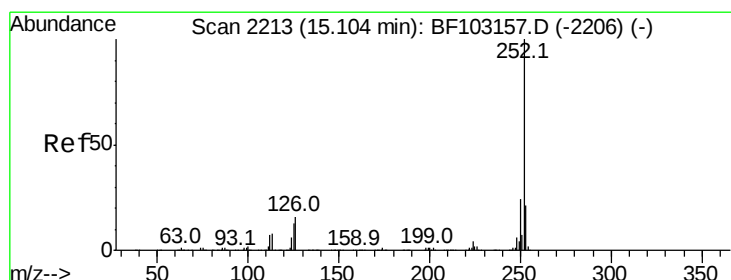
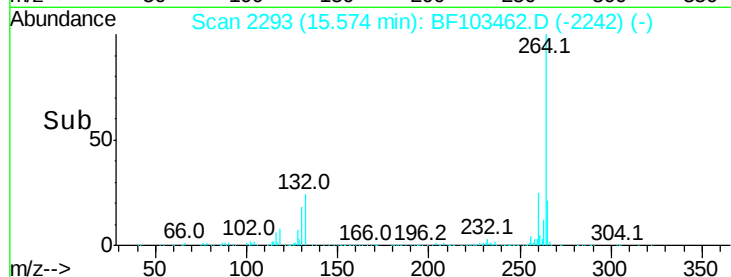
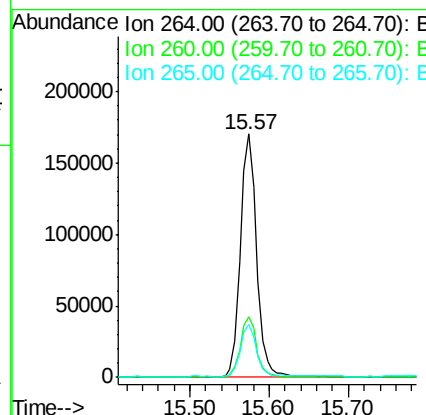
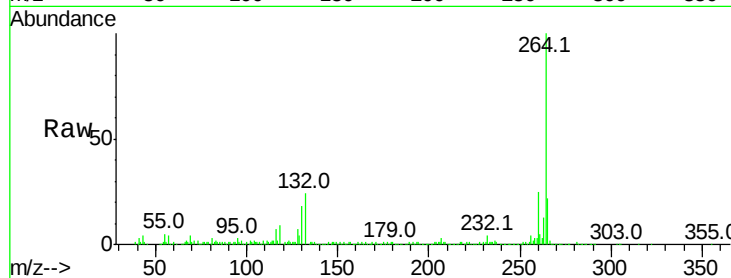


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: BF103462.D
Acq: 6 Mar 2018 18:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 243255

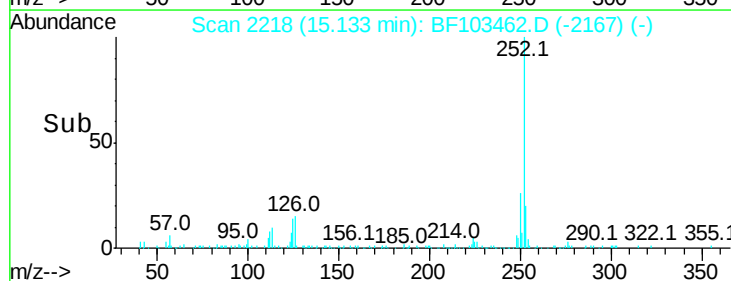
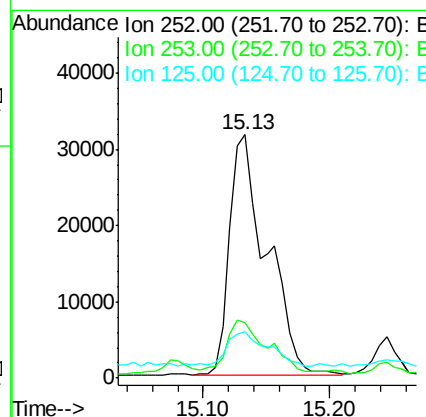
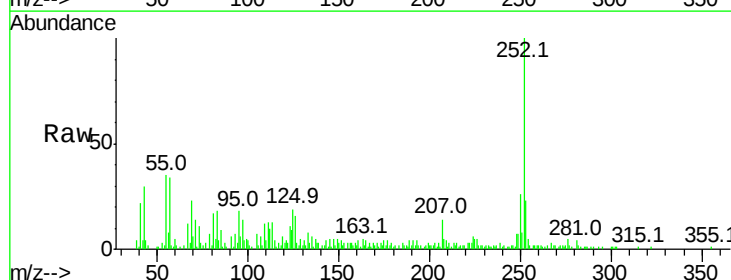
Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	21.7	17.5	26.3

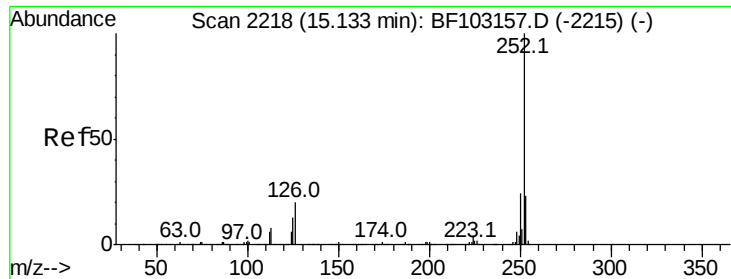


#87
Benzo(b)fluoranthene
Concen: 4.011 ng
RT: 15.13 min Scan# 2218
Delta R.T. 0.00 min
Lab File: BF103462.D
Acq: 6 Mar 2018 18:23

Tgt Ion:252 Resp: 64149

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	19.1	9.0	13.6

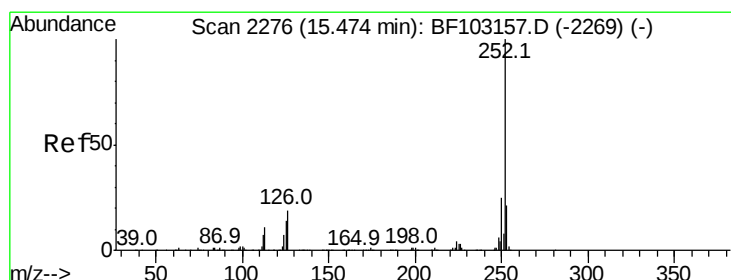
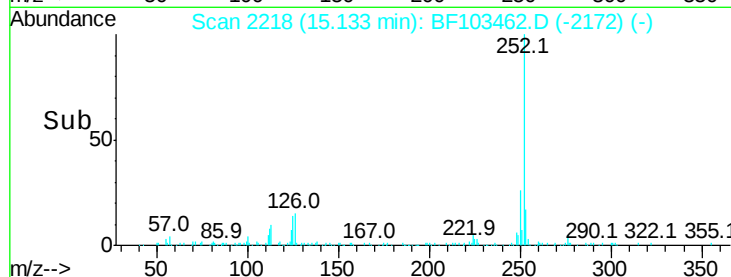
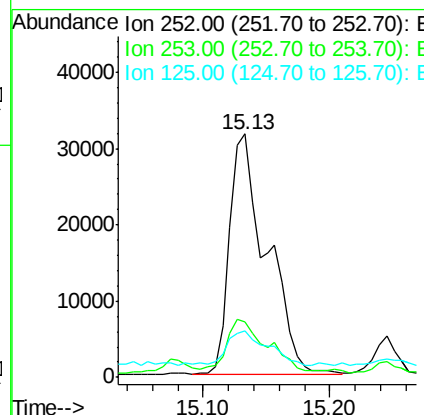
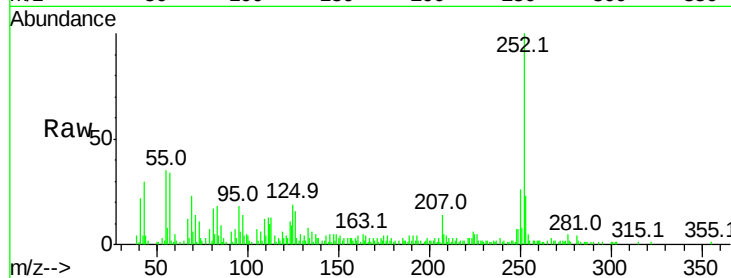




#88
Benzo(k)fluoranthene
Concen: 4.259 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.03 min
Lab File: BF103462.D
Acq: 6 Mar 2018 18:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 64149
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 19.1 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 2.237 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF103462.D
Acq: 6 Mar 2018 18:23

Tgt Ion:252 Resp: 31956
Ion Ratio Lower Upper
252 100
253 24.2 17.1 25.7
125 21.6 9.8 14.6#

