

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030818\
 Data File : BF103521.D
 Acq On : 8 Mar 2018 17:21
 Operator : SJ/JU
 Sample : J1748-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 08 23:51:44 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 08 14:20:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	151573	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	628347	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	253839	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	378762	20.00	ng	0.00
75) Chrysene-d12	14.06	240	241380	20.00	ng	0.00
86) Perylene-d12	15.56	264	190273	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	922695	92.07	ng	0.00
7) Phenol-d6	6.50	99	1154401	94.14	ng	0.00
23) Nitrobenzene-d5	7.43	82	767378	69.74	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	159187	74.09	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	913673	57.22	ng	0.00
78) Terphenyl-d14	12.99	244	584076	58.17	ng	0.00

Target Compounds

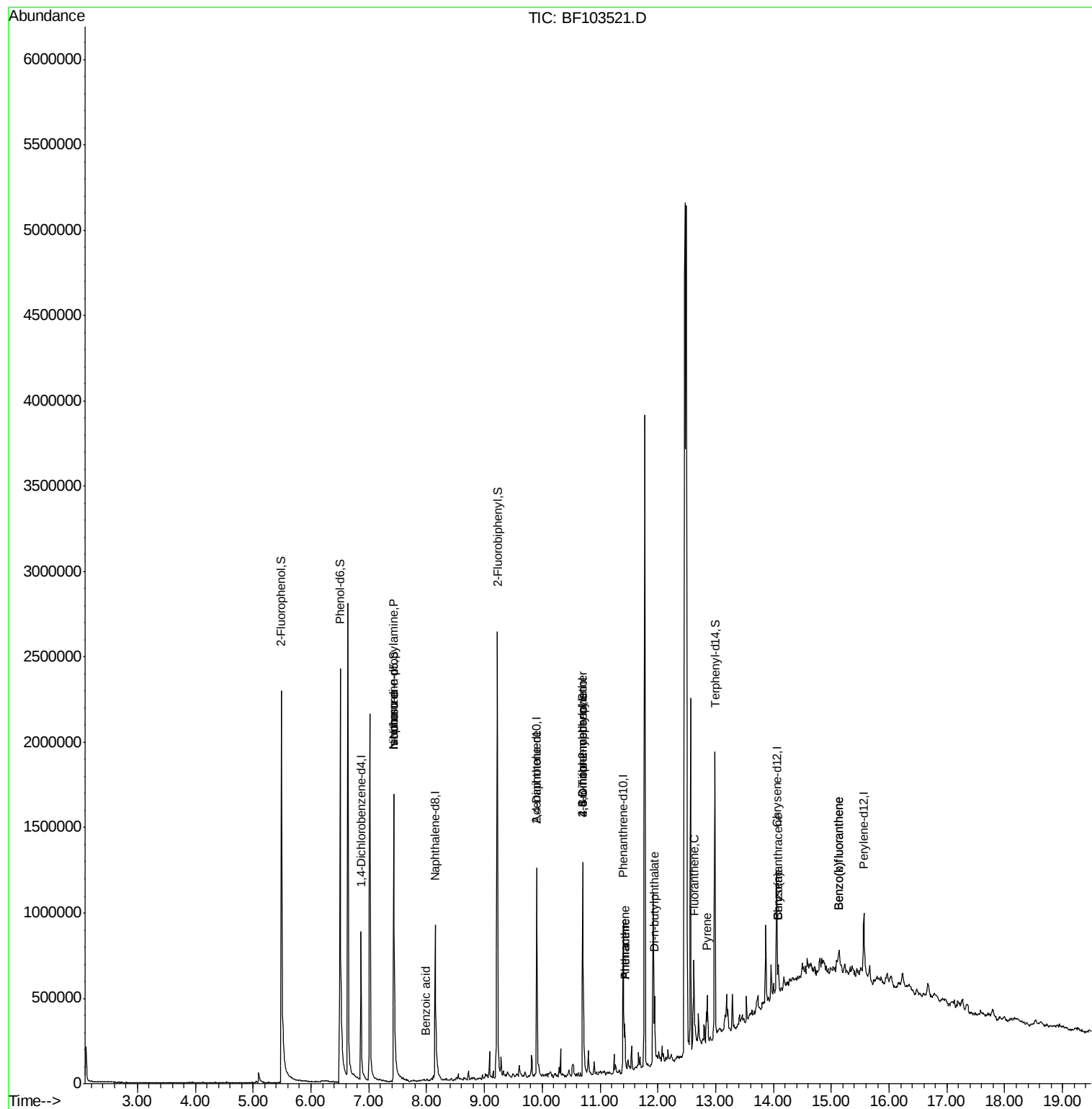
						Qvalue
9) Benzaldehyde	6.50	77	2572	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.43	70	102461	13.425 ng	#	83
25) Isophorone	7.43	82	767378	35.412 ng	#	64
32) Benzoic acid	7.99	122	228	6.944 ng		84
56) 2,4-Dinitrotoluene	9.90	165	33726	6.240 ng	#	24
64) 4,6-Dinitro-2-methylphenol	10.70	198	303	5.063 ng	#	1
66) 4-Bromophenyl-phenylether	10.70	248	11224	2.845 ng	#	1
70) Phenanthrene	11.43	178	91017	4.366 ng		98
71) Anthracene	11.43	178	91017	4.258 ng		99
73) Di-n-butylphthalate	11.95	149	151748	5.697 ng		98
74) Fluoranthene	12.62	202	118014	5.634 ng		97
77) Pvrene	12.86	202	114055	6.060 ng		99
80) Benzo(a)anthracene	14.08	228	57911	3.698 ng		93
82) Chrysene	14.08	228	57911	3.808 ng		97
87) Benzo(b)fluoranthene	15.12	252	50821	4.062 ng	#	68
88) Benzo(k)fluoranthene	15.12	252	50821	4.314 ng	#	71

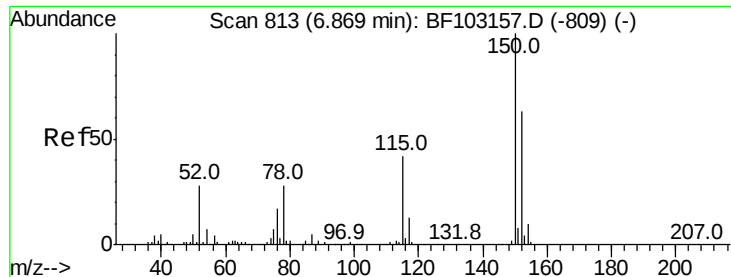
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030818\
Data File : BF103521.D
Acq On : 8 Mar 2018 17:21
Operator : SJ/JU
Sample : J1748-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Mar 08 23:51:44 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 08 14:20:19 2018
Response via : Initial Calibration



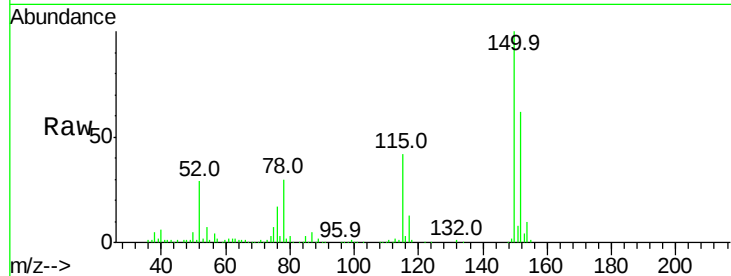


#1

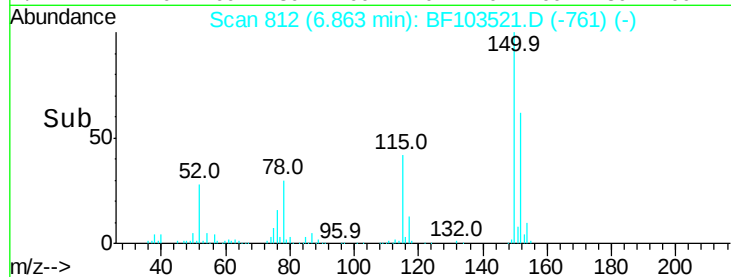
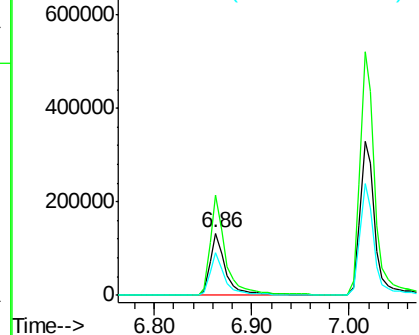
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF103521.D
Acq: 8 Mar 2018 17:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 151573
Ion Ratio Lower Upper
152 100
150 161.7 124.6 186.8
115 67.6 50.1 75.1



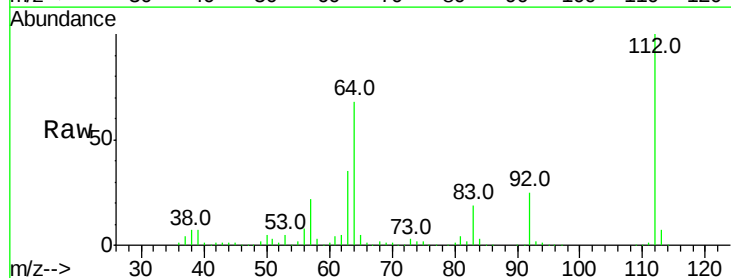
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



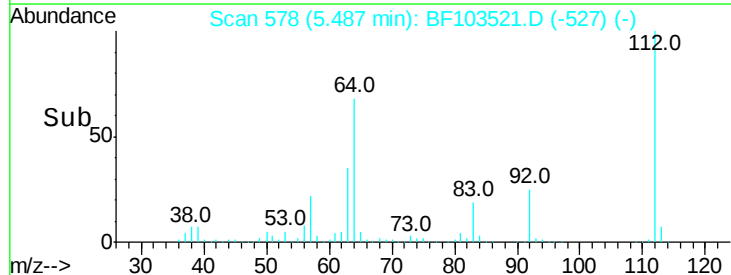
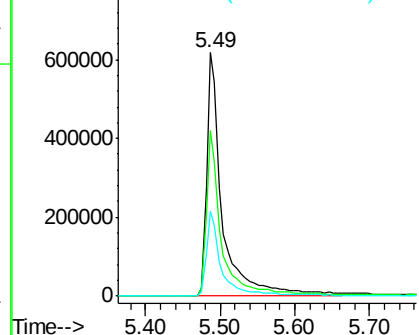
#5

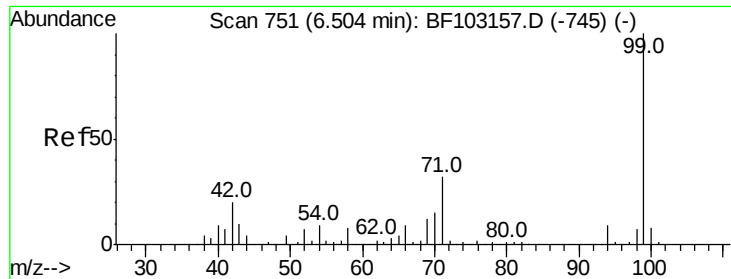
2-Fluorophenol
Concen: 92.069 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.00 min
Lab File: BF103521.D
Acq: 8 Mar 2018 17:21

Tgt Ion:112 Resp: 922695
Ion Ratio Lower Upper
112 100
64 68.0 47.9 71.9
63 34.7 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: 94.135 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF103521.D

Acq: 8 Mar 2018 17:21

Instrument :

BNA_F

ClientSampleId :

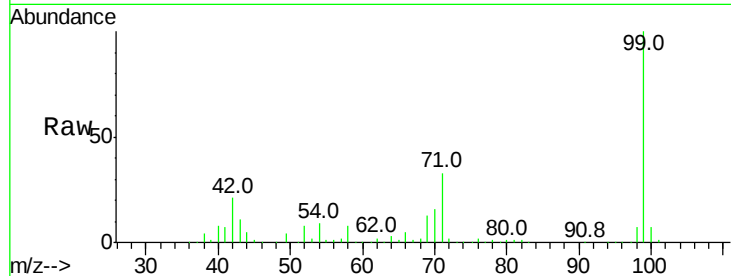
Tot Ion: 99 Resp: 1154401

Ion Ratio Lower Upper

99 100

42 20.6 14.5 21.7

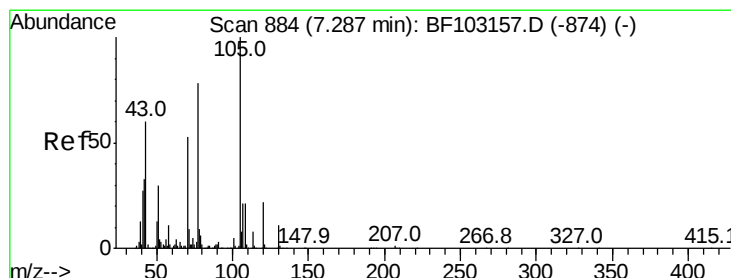
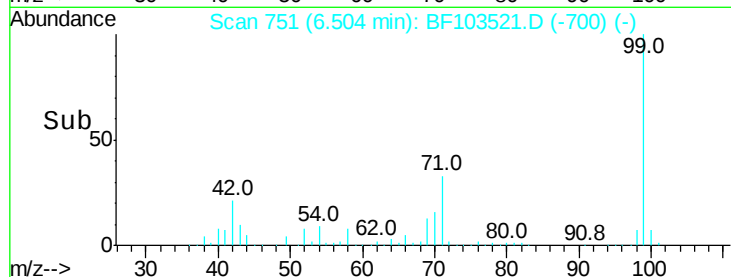
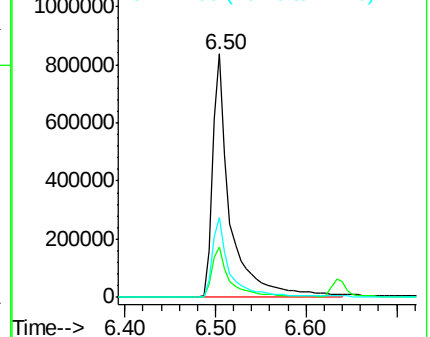
71 32.6 25.4 38.0



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: 13.425 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.16 min

Lab File: BF103521.D

Acq: 8 Mar 2018 17:21

Tgt Ion: 70 Resp: 102461

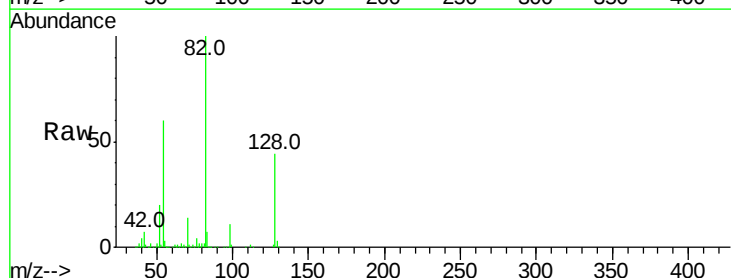
Ion Ratio Lower Upper

70 100

42 53.2 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

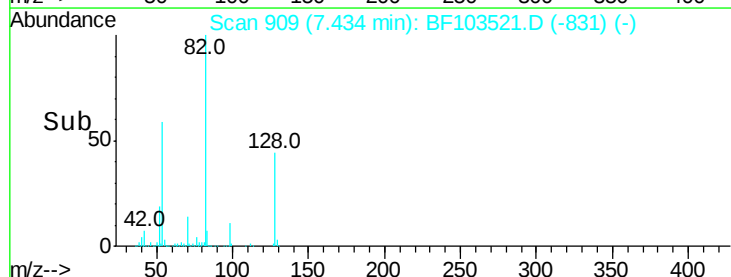
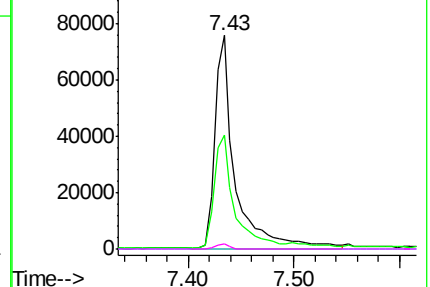


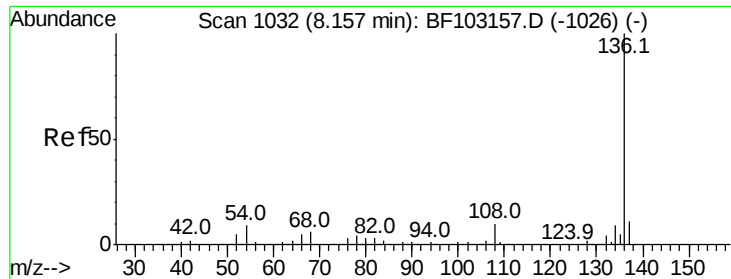
Abundance Ion 70.00 (69.70 to 70.70): BF1

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# 1030

Delta R.T. -0.01 min

Lab File: BF103521.D

Acq: 8 Mar 2018 17:21

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 628347

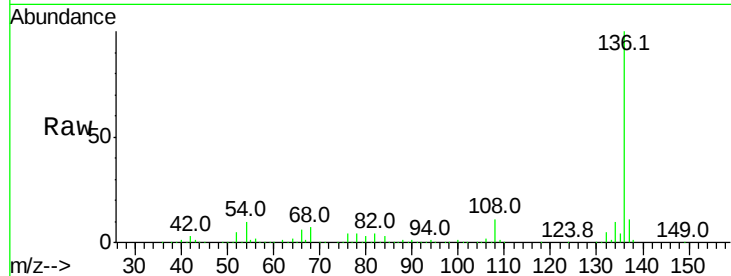
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 10.1 6.6 9.8#

68 6.8 5.0 7.4

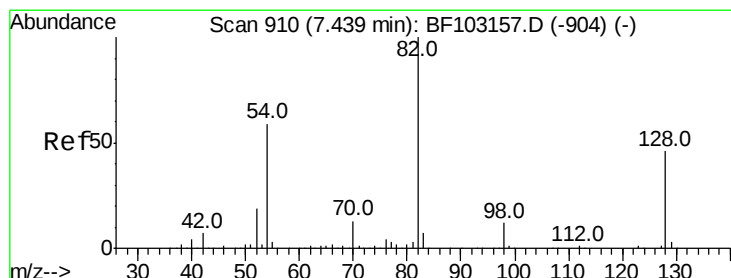
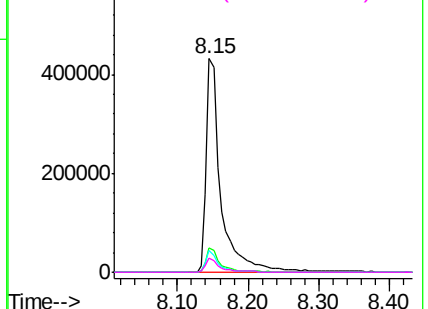
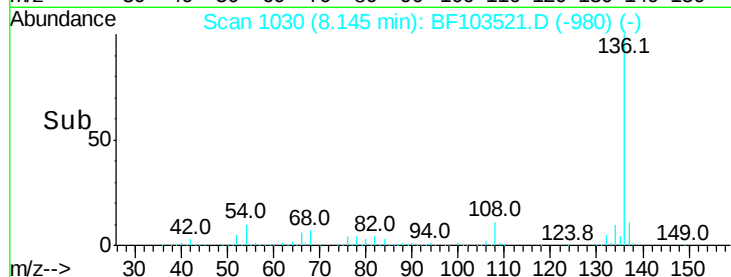


Abundance Ion 136.00 (135.70 to 136.70): E

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: 69.745 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF103521.D

Acq: 8 Mar 2018 17:21

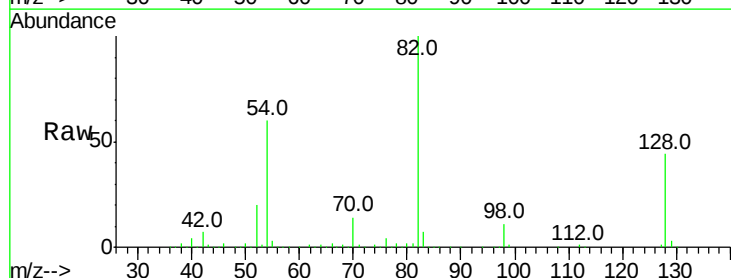
Tgt Ion: 82 Resp: 767378

Ion Ratio Lower Upper

82 100

128 44.2 36.1 54.1

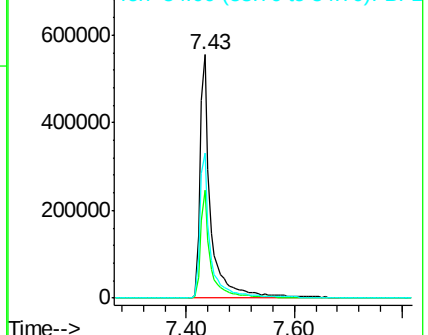
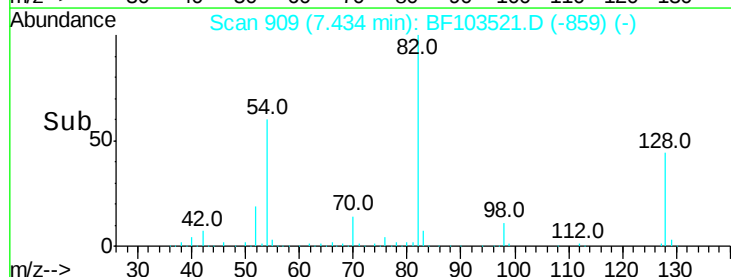
54 59.5 41.4 62.2

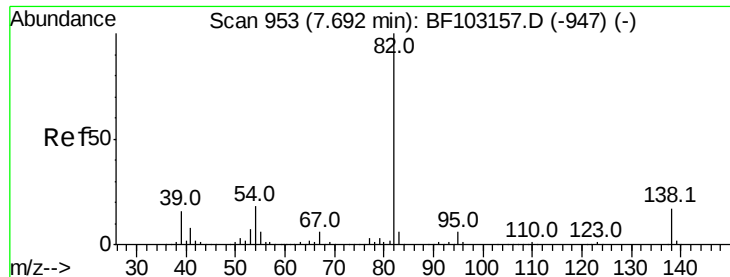


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 35.412 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.25 min

Lab File: BF103521.D

Acq: 8 Mar 2018 17:21

Instrument :

BNA_F

ClientSampled :

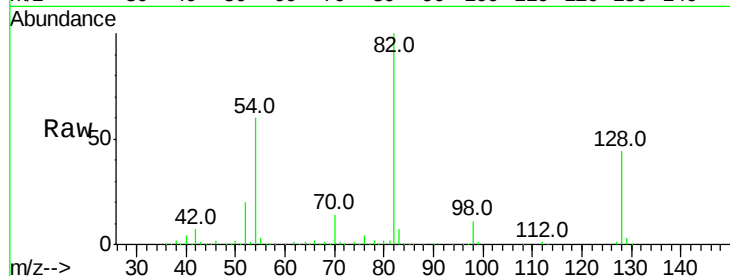
Tot Ion: 82 Resp: 767378

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

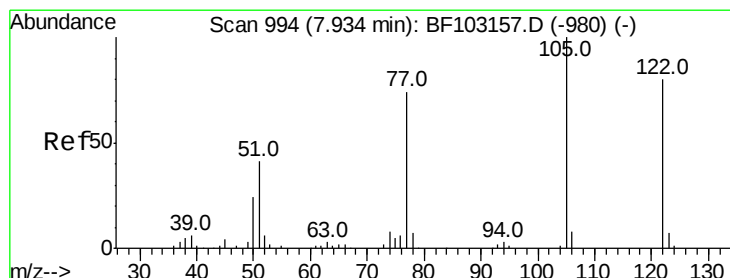
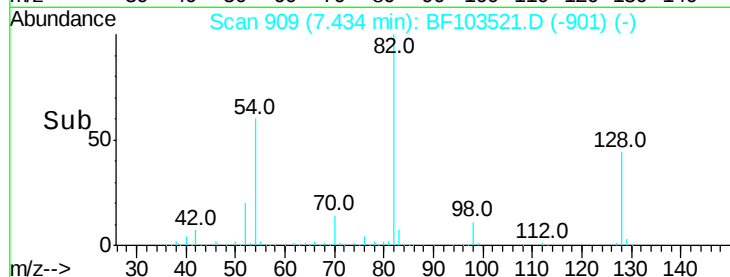
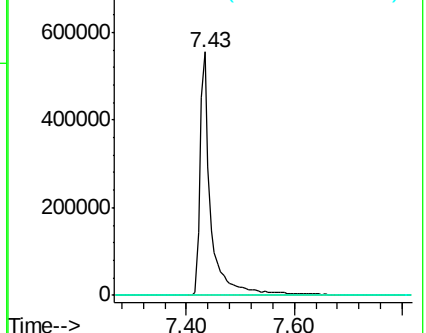
138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 6.944 ng

RT: 7.99 min Scan# 1004

Delta R.T. 0.03 min

Lab File: BF103521.D

Acq: 8 Mar 2018 17:21

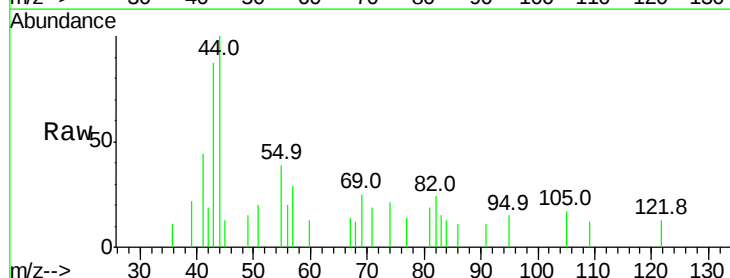
Tgt Ion:122 Resp: 228

Ion Ratio Lower Upper

122 100

105 135.5 101.1 141.1

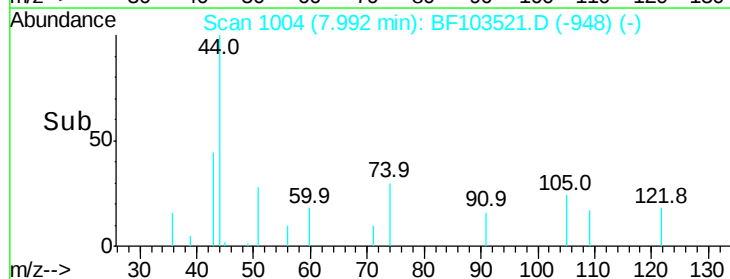
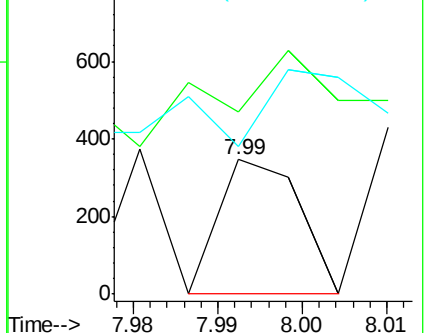
77 109.8 70.7 110.7

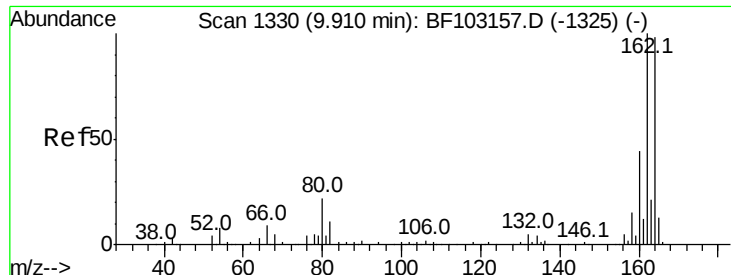


Abundance Ion 122.00 (121.70 to 122.70): E

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: 9.90 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BF103521.D

Acq: 8 Mar 2018 17:21

Instrument :

BNA_F

ClientSampleId :

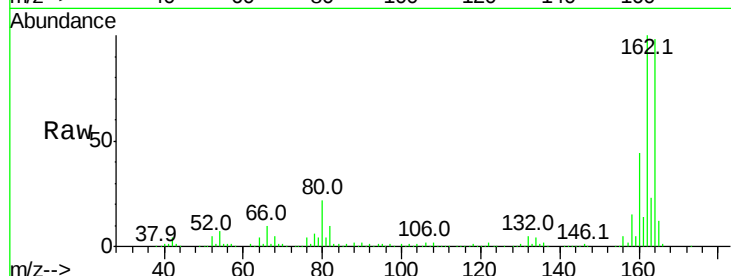
Tot Ion:164 Resp: 253839

Ion Ratio Lower Upper

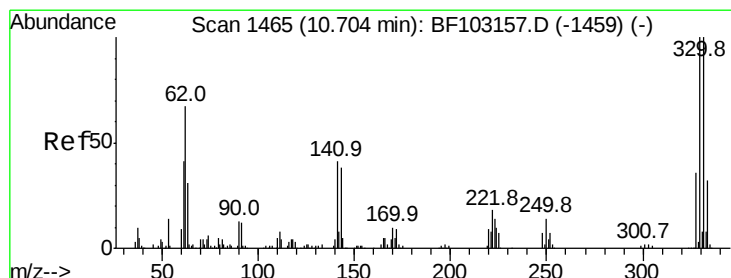
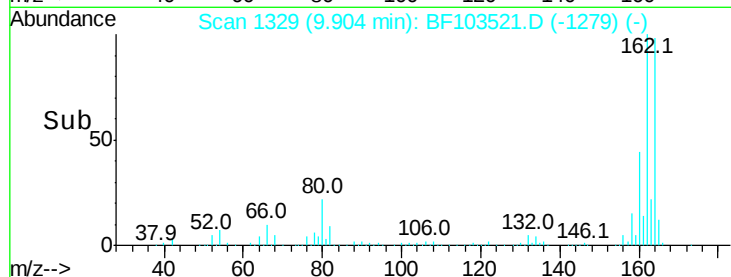
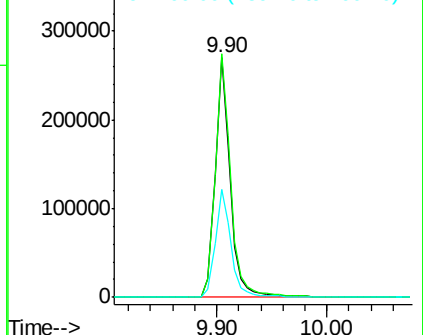
164 100

162 101.8 86.1 129.1

160 44.9 38.3 57.5



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



#41

2,4,6-Tribromophenol

Concen: 74.088 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.00 min

Lab File: BF103521.D

Acq: 8 Mar 2018 17:21

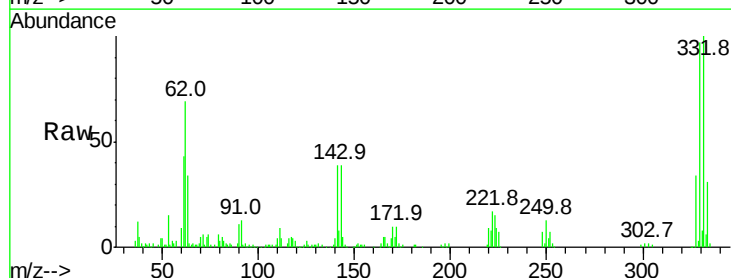
Tgt Ion:330 Resp: 159187

Ion Ratio Lower Upper

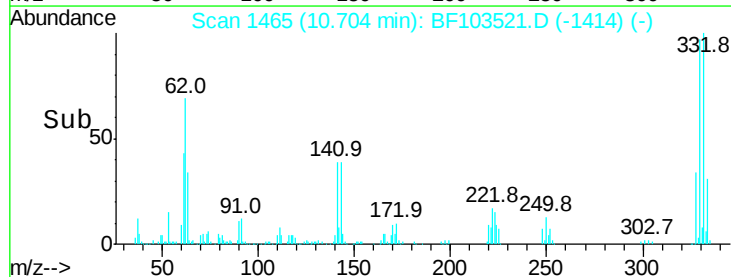
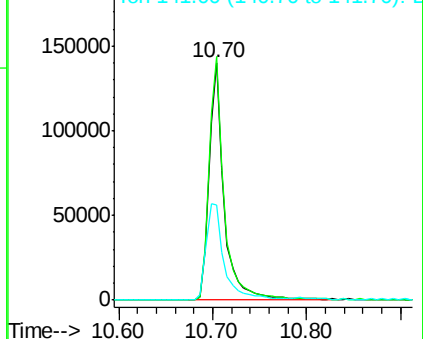
330 100

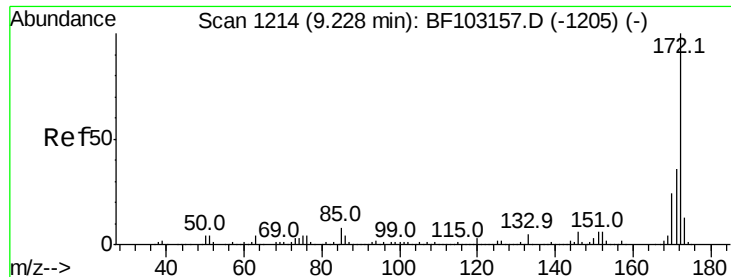
332 103.6 77.0 115.6

141 47.1 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: 57.223 ng

RT: 9.22 min Scan# 1213

Delta R.T. 0.00 min

Lab File: BF103521.D

Acq: 8 Mar 2018 17:21

Instrument :

BNA_F

ClientSampleId :

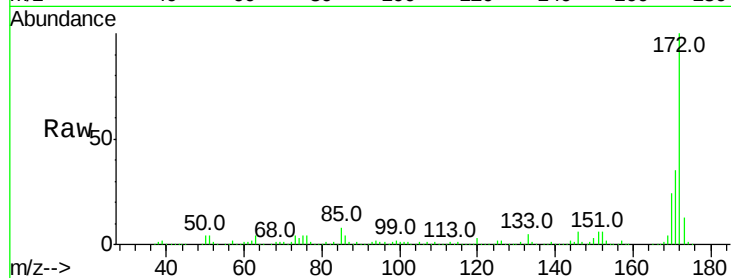
Tot Ion:172 Resp: 913673

Ion Ratio Lower Upper

172 100

171 35.5 29.7 44.5

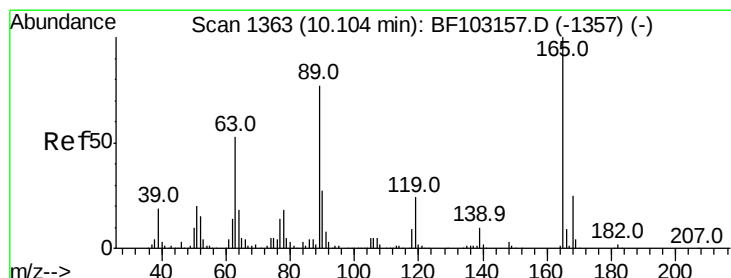
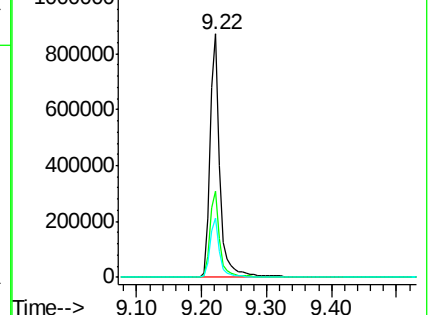
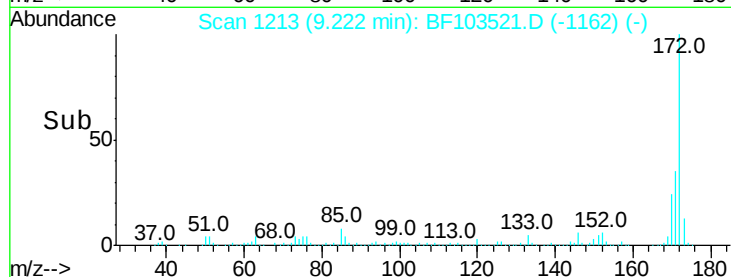
170 24.4 19.6 29.4



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



#56

2,4-Dinitrotoluene

Concen: 6.240 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.21 min

Lab File: BF103521.D

Acq: 8 Mar 2018 17:21

Tgt Ion:165 Resp: 33726

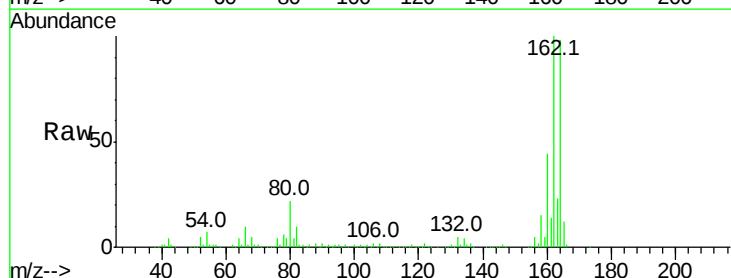
Ion Ratio Lower Upper

165 100

63 2.3 36.4 54.6#

89 1.8 57.8 86.6#

182 0.0 1.6 2.4#

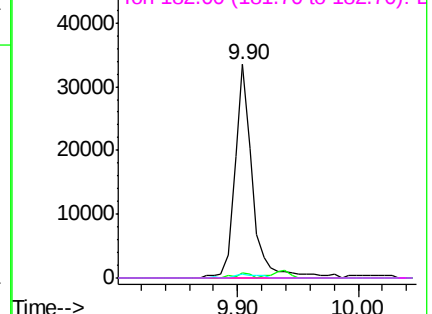
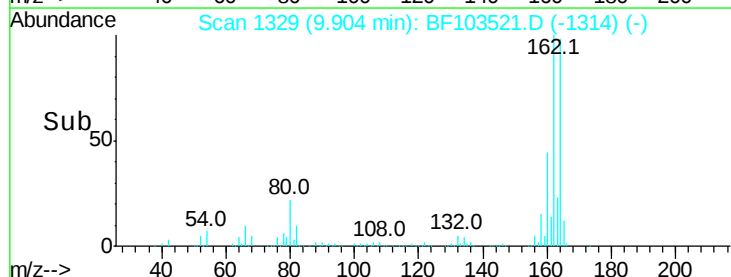


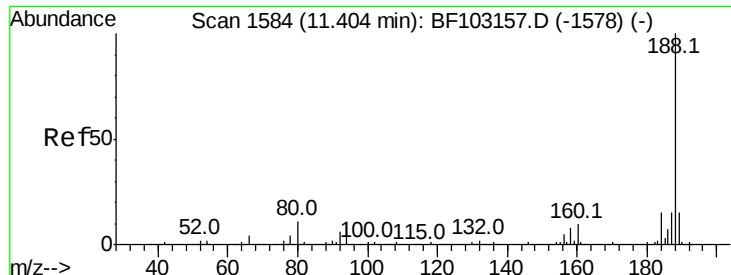
Abundance Ion 165.00 (164.70 to 165.70): E

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

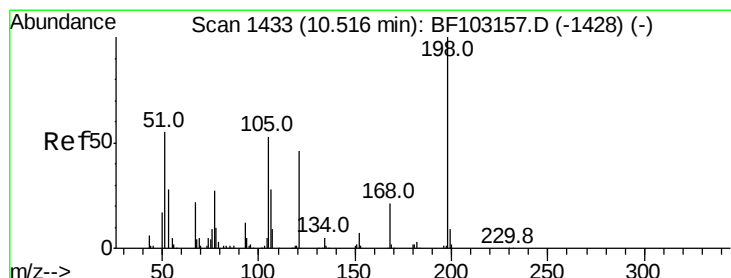
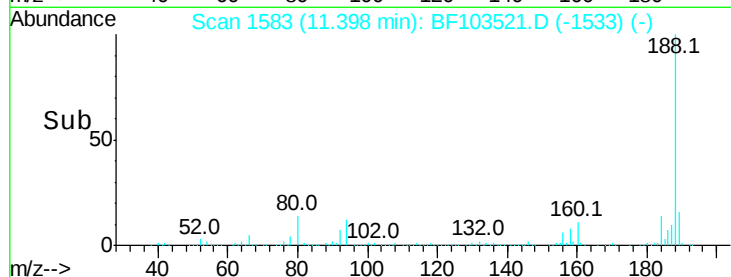
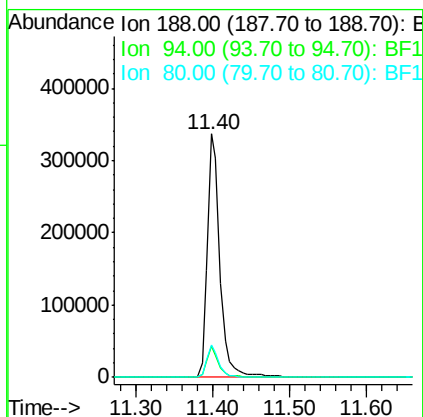
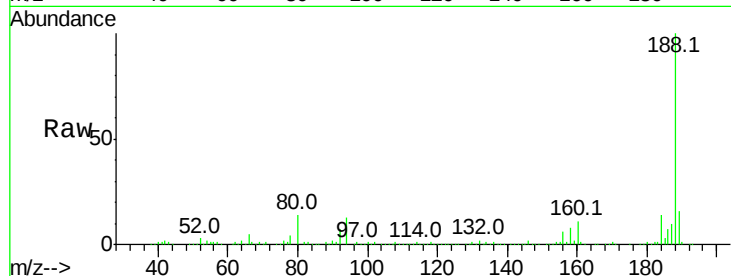




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF103521.D
Acq: 8 Mar 2018 17:21

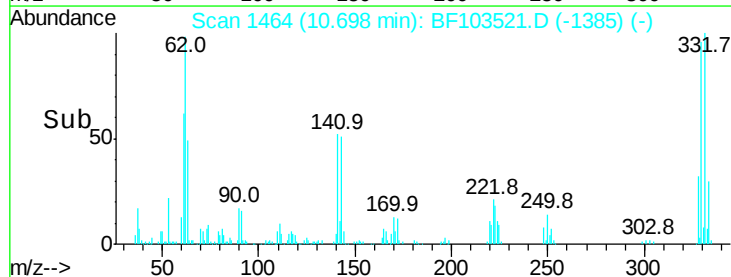
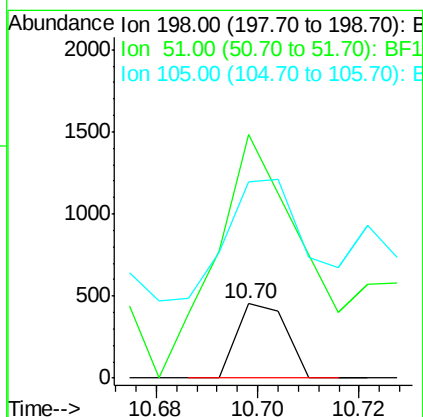
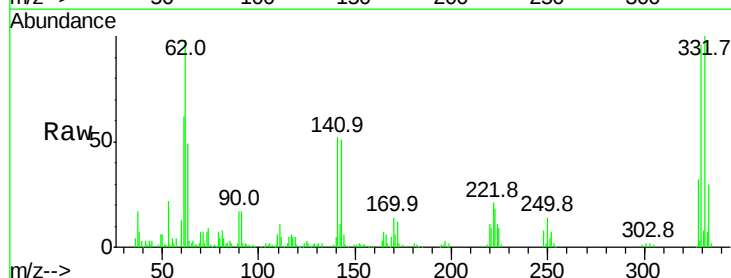
Instrument :
BNA_F
ClientSampleId :

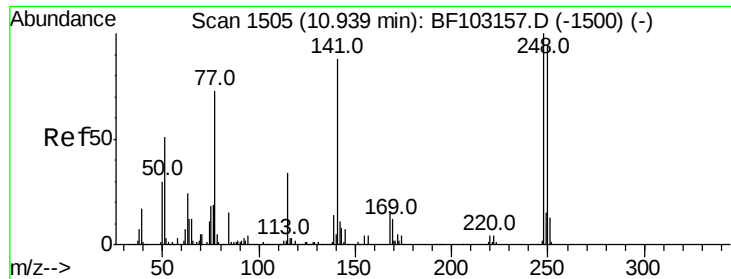
Tot Ion:188 Resp: 378762
Ion Ratio Lower Upper
188 100
94 12.6 8.5 12.7
80 13.6 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.063 ng
RT: 10.70 min Scan# 1464
Delta R.T. 0.16 min
Lab File: BF103521.D
Acq: 8 Mar 2018 17:21

Tgt Ion:198 Resp: 303
Ion Ratio Lower Upper
198 100
51 326.7 37.7 77.7#
105 263.4 36.3 76.3#

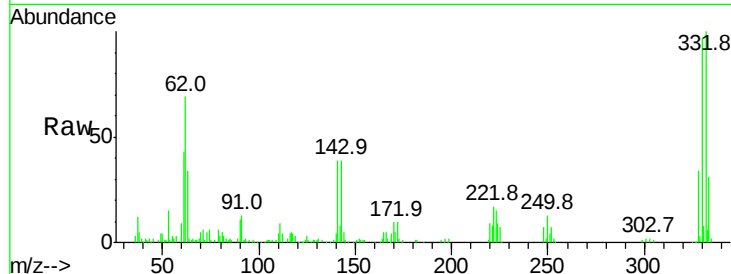




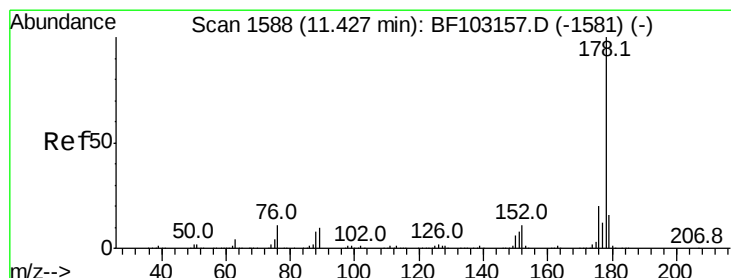
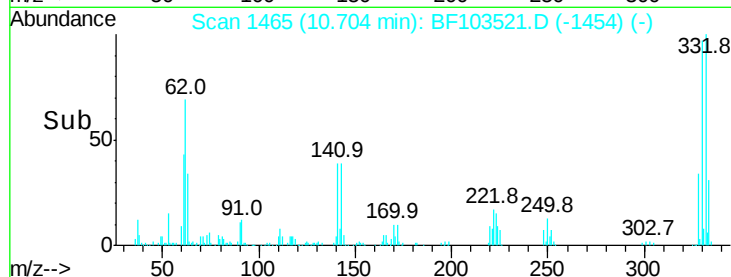
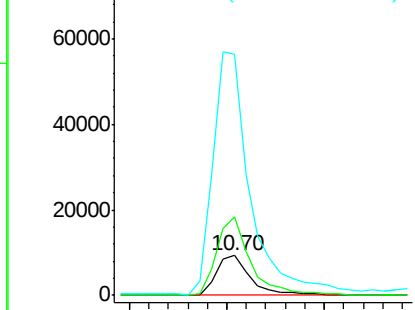
#66
4-Bromophenyl-phenylether
Concen: 2.845 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.24 min
Lab File: BF103521.D
Acq: 8 Mar 2018 17:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 11224
Ion Ratio Lower Upper
248 100
250 195.5 76.9 115.3#
141 604.6 74.4 111.6#

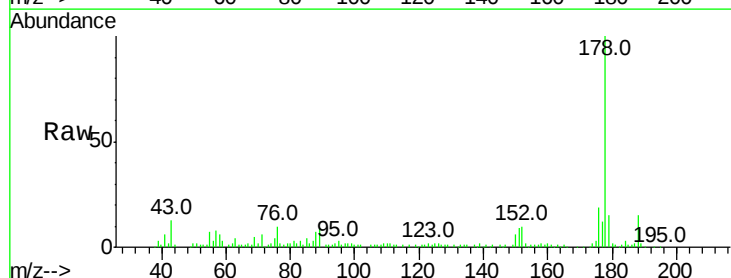


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

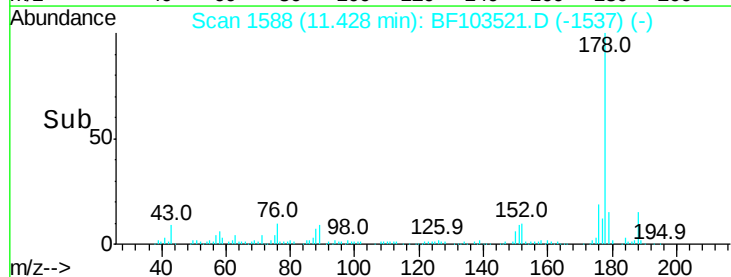
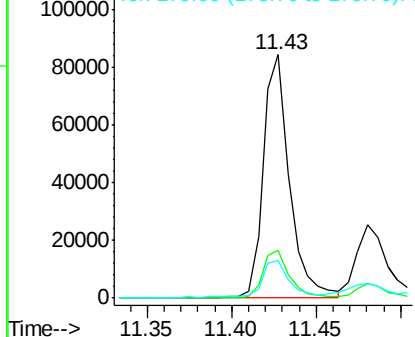


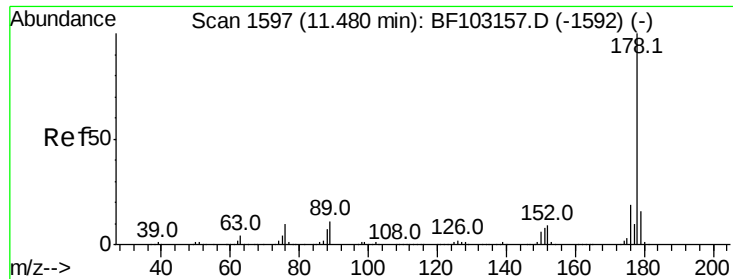
#70
Phenanthrene
Concen: 4.366 ng
RT: 11.43 min Scan# 1588
Delta R.T. 0.00 min
Lab File: BF103521.D
Acq: 8 Mar 2018 17:21

Tgt Ion:178 Resp: 91017
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 15.2 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

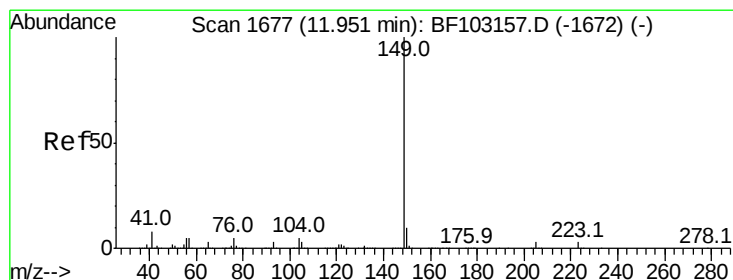
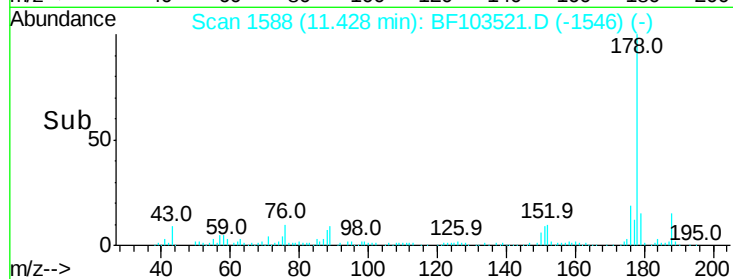
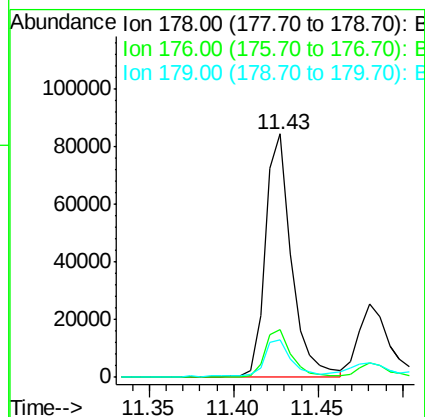
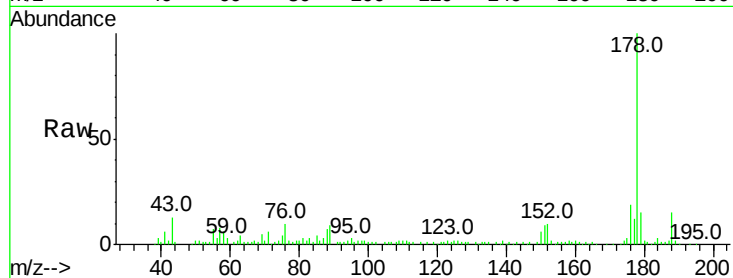




#71
 Anthracene
 Concen: 4.258 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.05 min
 Lab File: BF103521.D
 Acq: 8 Mar 2018 17:21

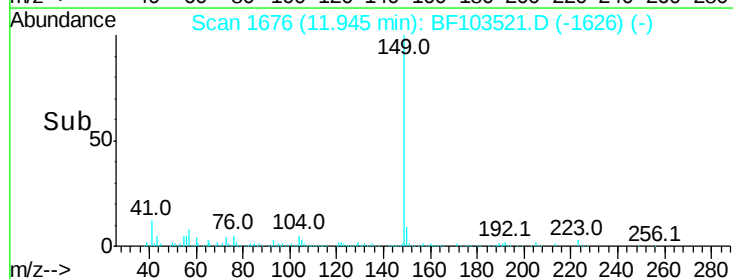
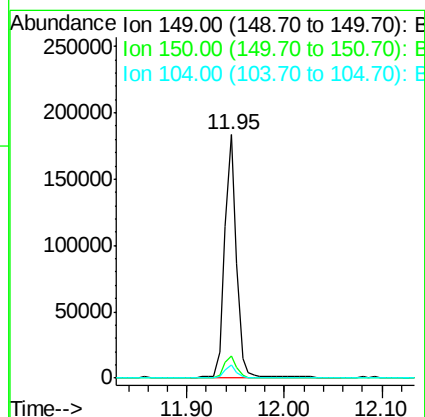
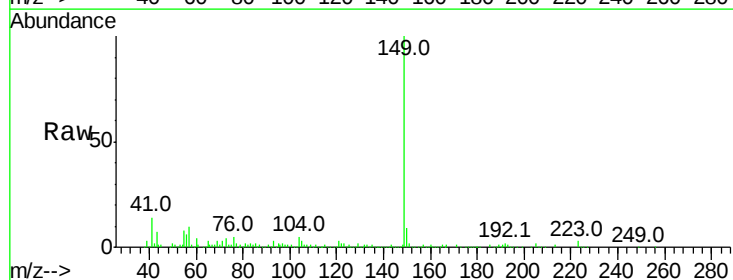
Instrument :
 BNA_F
 ClientSampleId :

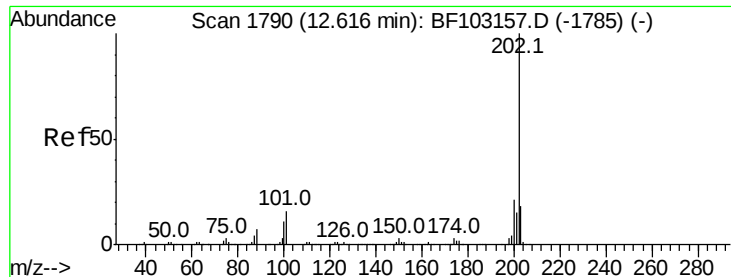
Tot Ion:178 Resp: 91017
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.4 23.2
 179 15.2 12.6 19.0



#73
 Di-n-butylphthalate
 Concen: 5.697 ng
 RT: 11.95 min Scan# 1676
 Delta R.T. -0.01 min
 Lab File: BF103521.D
 Acq: 8 Mar 2018 17:21

Tgt Ion:149 Resp: 151748
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.8 11.6
 104 5.4 3.8 5.8

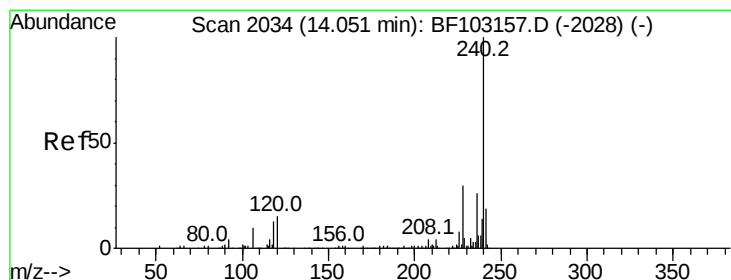
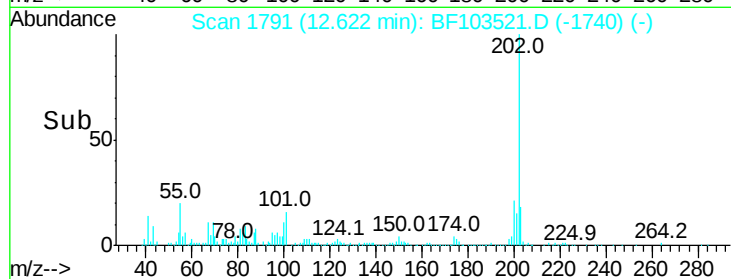
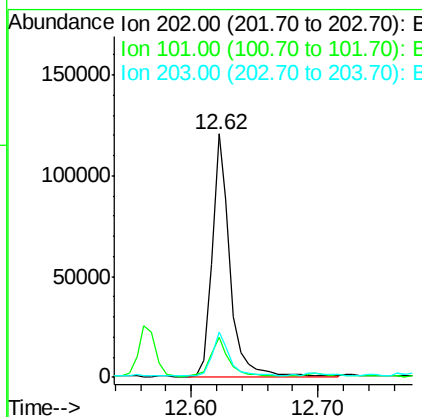
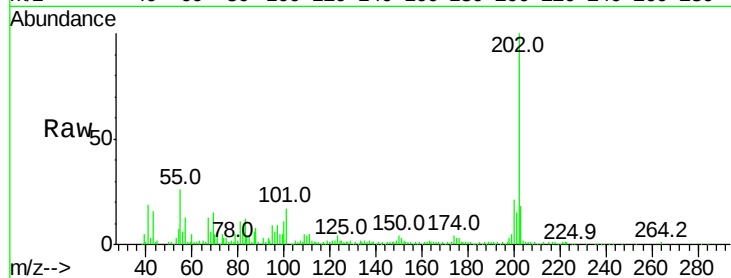




#74
 Fluoranthene
 Concen: 5.634 ng
 RT: 12.62 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: BF103521.D
 Acq: 8 Mar 2018 17:21

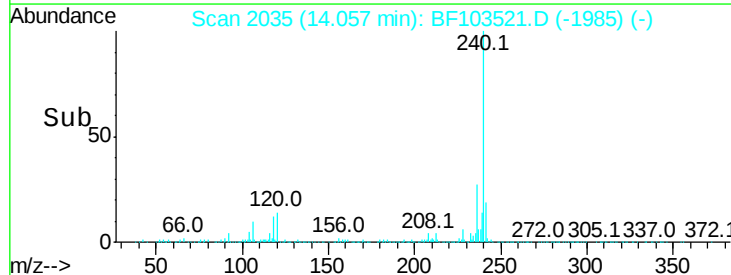
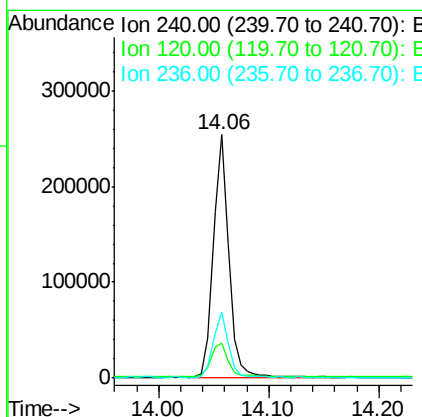
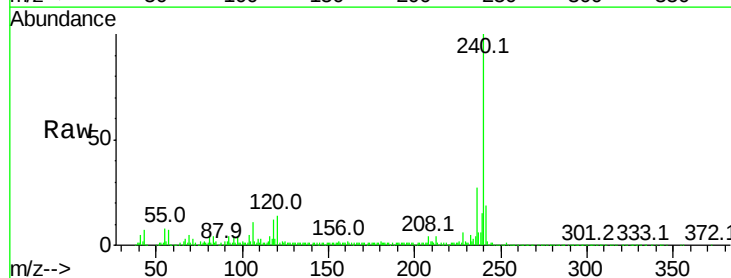
Instrument :
 BNA_F
 ClientSampleId :

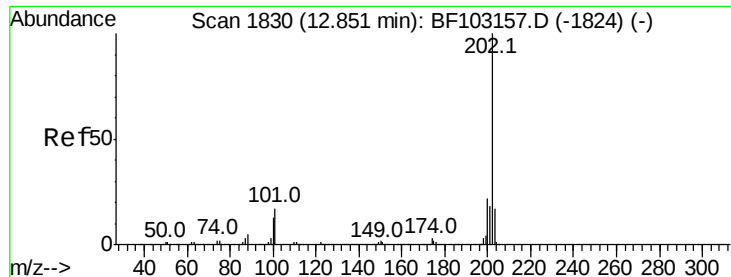
Tot Ion	Ratio	Lower	Upper
202	100		
101	16.5	0.0	34.1
203	18.4	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF103521.D
 Acq: 8 Mar 2018 17:21

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.4	9.5	14.3#
236	27.0	20.7	31.1





#77

Pvrene

Concen: 6.060 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.00 min

Lab File: BF103521.D

Acq: 8 Mar 2018 17:21

Instrument :

BNA_F

ClientSampleId :

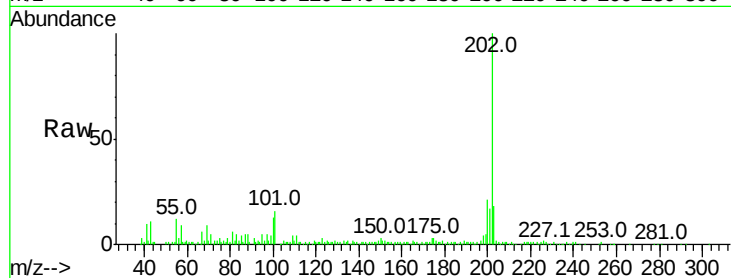
Tot Ion:202 Resp: 114055

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

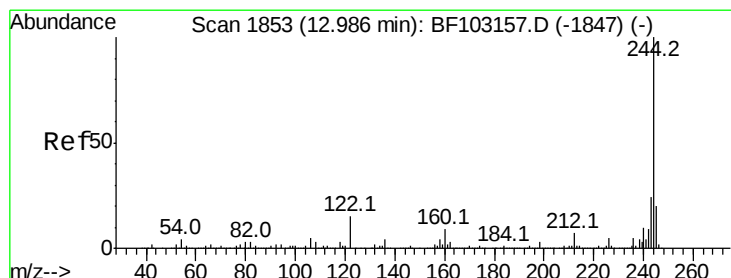
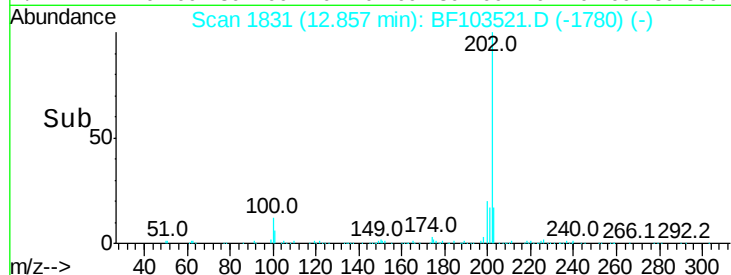
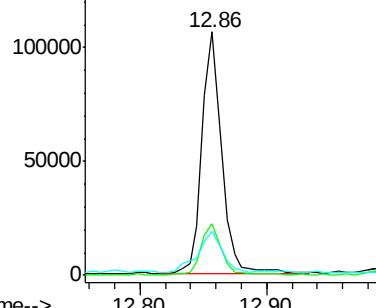
203 17.8 14.3 21.5



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: 58.167 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.00 min

Lab File: BF103521.D

Acq: 8 Mar 2018 17:21

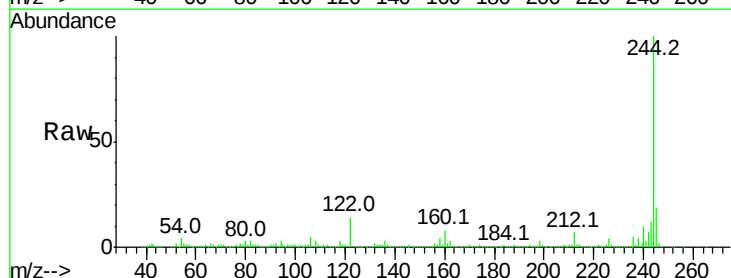
Tgt Ion:244 Resp: 584076

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

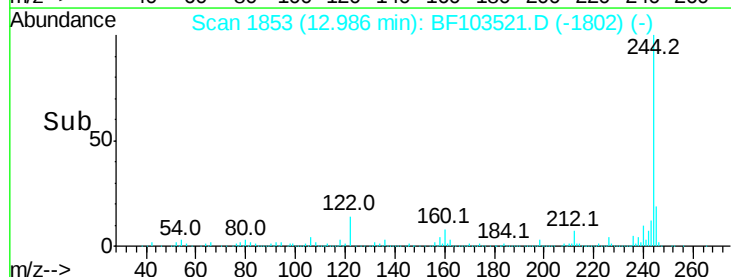
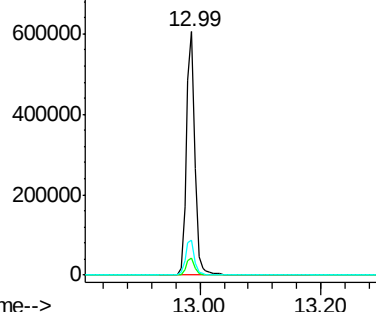
122 14.1 11.0 16.4

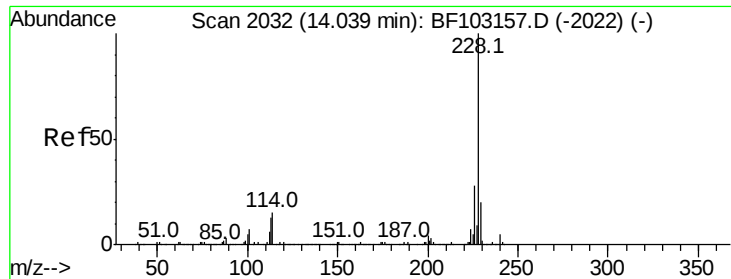


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

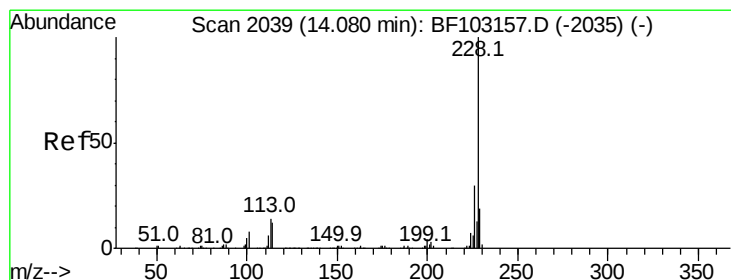
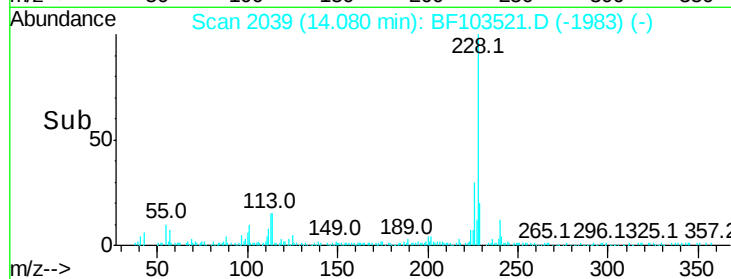
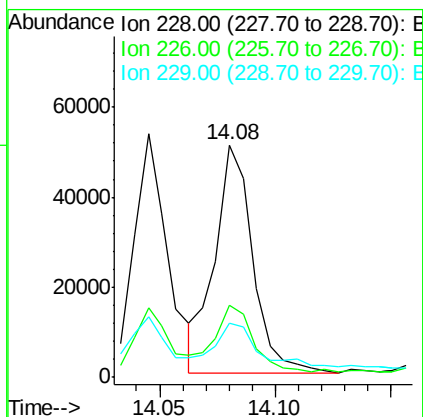
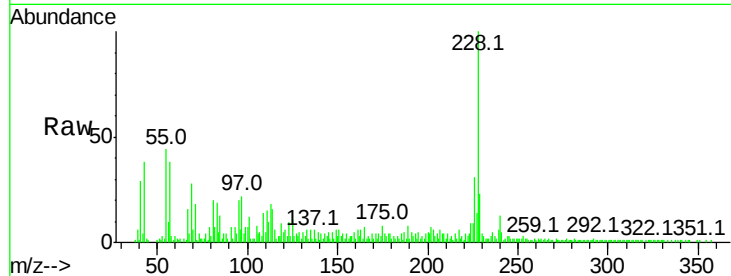




#80
Benzo(a)anthracene
Concen: 3.698 ng
RT: 14.08 min Scan# 2039
Delta R.T. 0.03 min
Lab File: BF103521.D
Acq: 8 Mar 2018 17:21

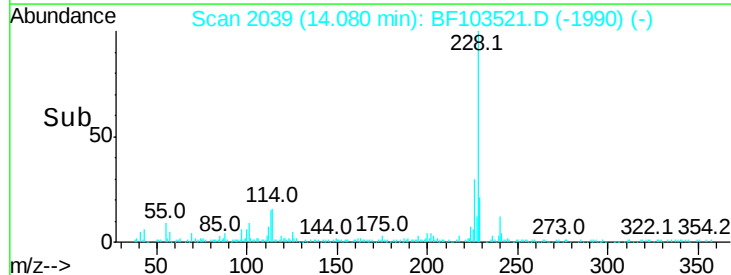
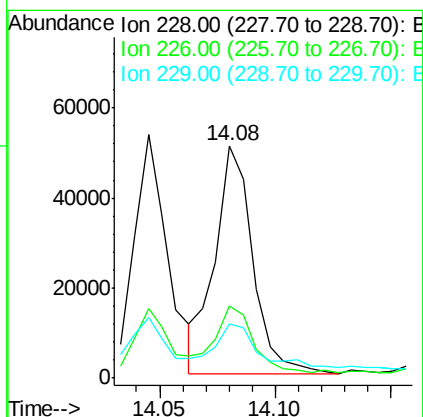
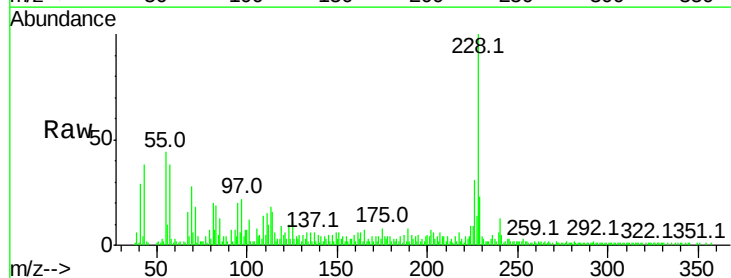
Instrument :
BNA_F
ClientSampleId :

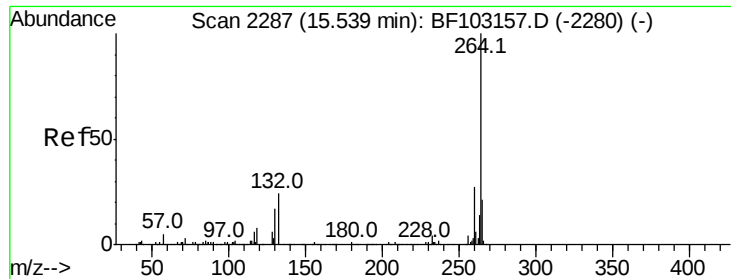
Tot Ion:228 Resp: 57911
Ion Ratio Lower Upper
228 100
226 31.3 22.6 33.8
229 23.5 15.8 23.6



#82
Chrysene
Concen: 3.808 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF103521.D
Acq: 8 Mar 2018 17:21

Tgt Ion:228 Resp: 57911
Ion Ratio Lower Upper
228 100
226 31.3 25.0 37.6
229 23.5 16.2 24.4



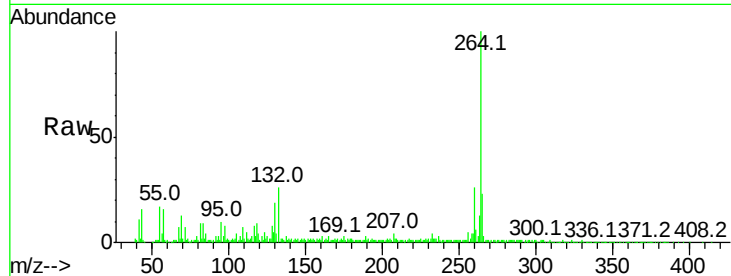


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BF103521.D
Acq: 8 Mar 2018 17:21

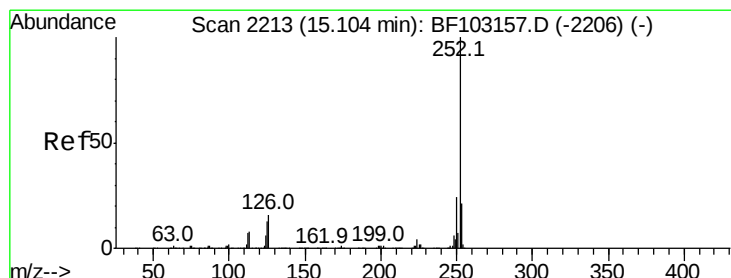
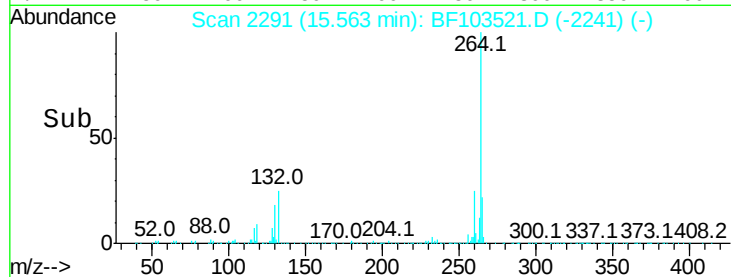
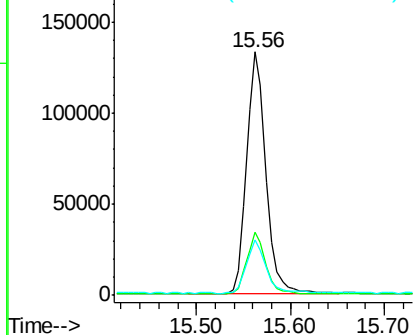
Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 190273

Ion	Ratio	Lower	Upper
264	100		
260	26.0	19.2	28.8
265	22.8	17.5	26.3



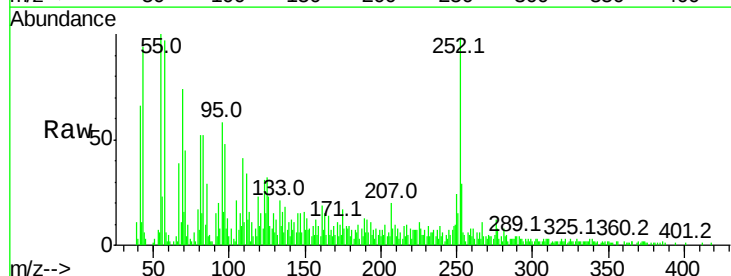
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



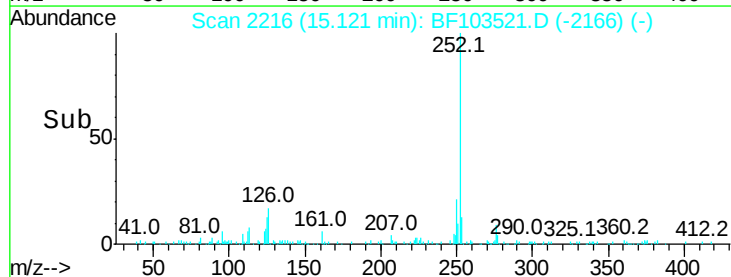
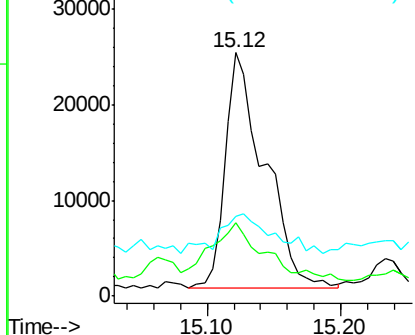
#87
Benzo(b)fluoranthene
Concen: 4.062 ng
RT: 15.12 min Scan# 2216
Delta R.T. -0.01 min
Lab File: BF103521.D
Acq: 8 Mar 2018 17:21

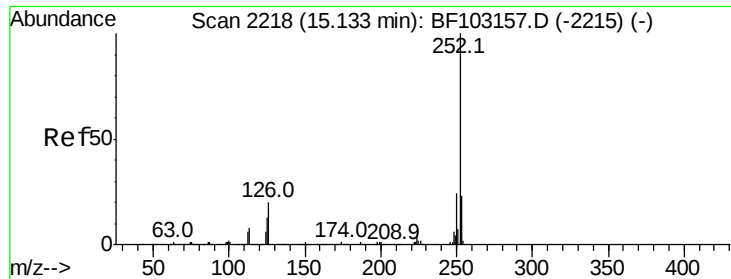
Tgt Ion:252 Resp: 50821

Ion	Ratio	Lower	Upper
252	100		
253	29.9	17.0	25.6#
125	32.9	9.0	13.6#



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





#88

Benzo(k)fluoranthene

Concen: 4.314 ng

RT: 15.12 min Scan# 2216

Delta R.T. -0.04 min

Lab File: BF103521.D

Acq: 8 Mar 2018 17:21

Instrument :

BNA_F

ClientSampleId :

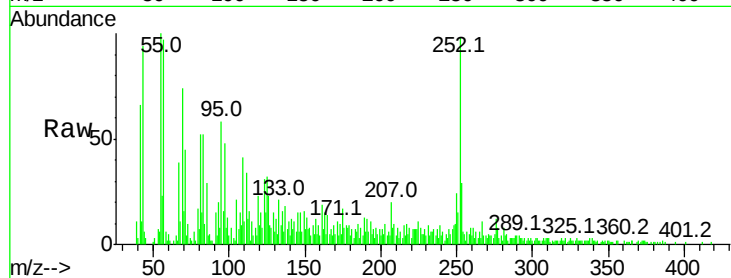
Tot Ion:252 Resp: 50821

Ion Ratio Lower Upper

252 100

253 29.9 17.9 26.9#

125 32.9 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

