

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030618\
 Data File : BF103480.D
 Acq On : 7 Mar 2018 2:20
 Operator : SJ/JU
 Sample : J1810-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 07 06:34:11 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	114191	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	473490	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	183040	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	279140	20.00	ng	0.00
75) Chrysene-d12	14.06	240	200250	20.00	ng	0.00
86) Perylene-d12	15.57	264	155930	20.00	ng	0.00

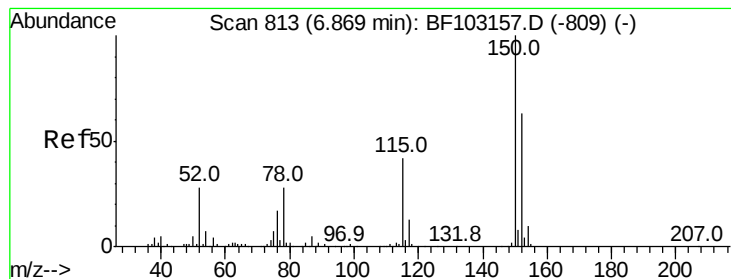
System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	884669	117.17	ng	0.00
7) Phenol-d6	6.51	99	1054736	114.16	ng	0.00
23) Nitrobenzene-d5	7.44	82	679868	82.00	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	123566	79.75	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	779575	70.40	ng	0.00
78) Terphenyl-d14	12.99	244	527195	63.29	ng	0.00

Target Compounds

						Qvalue
9) Benzaldehyde	6.45	77	784	Below Cal	#	75
19) n-Nitroso-di-n-propylamine	7.43	70	87534	15.224 ng	#	86
25) Isophorone	7.44	82	679868	41.635 ng	#	64
49) Dimethylphthalate	9.62	163	91873	6.257 ng		100
56) 2,4-Dinitrotoluene	9.91	165	22965	5.893 ng	#	23
64) 4,6-Dinitro-2-methylphenol	10.71	198	113	5.005 ng	#	1
66) 4-Bromophenyl-phenylether	10.71	248	8135	2.798 ng	#	1
70) Phenanthrene	11.43	178	34898	2.272 ng		97
74) Fluoranthene	12.63	202	71636	4.641 ng		98
77) Pyrene	12.86	202	66766	4.276 ng		99
87) Benzo(b)fluoranthene	15.13	252	29777	2.904 ng	#	74
88) Benzo(k)fluoranthene	15.13	252	29777	3.084 ng	#	77

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

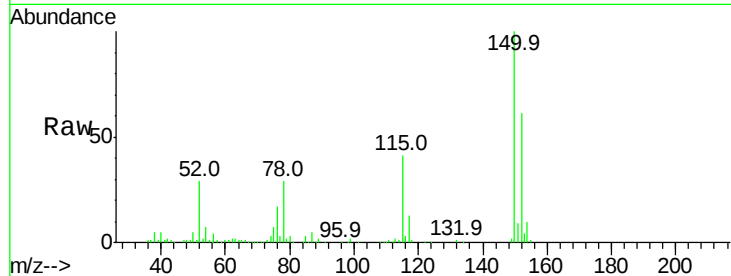


#1

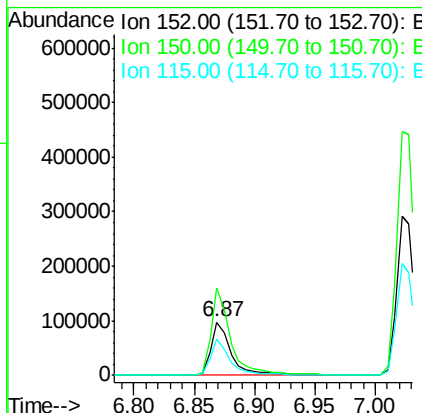
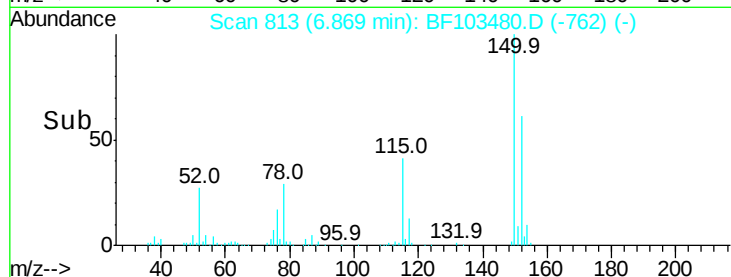
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF103480.D
Acq: 7 Mar 2018 2:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 114191
Ion Ratio Lower Upper
152 100
150 163.2 124.6 186.8
115 67.1 50.1 75.1



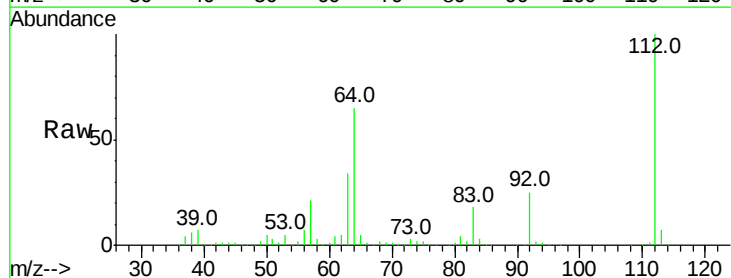
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



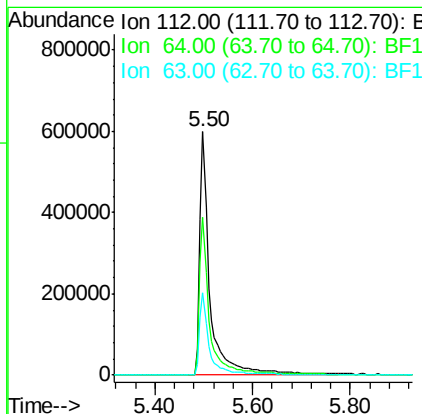
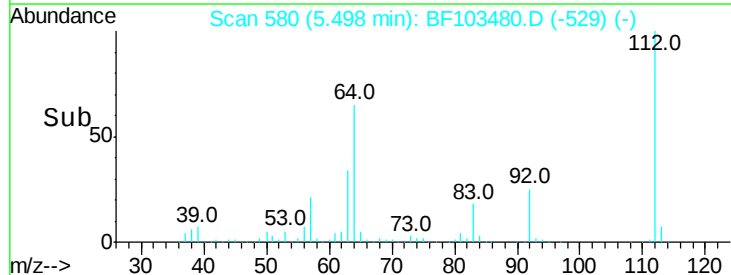
#5

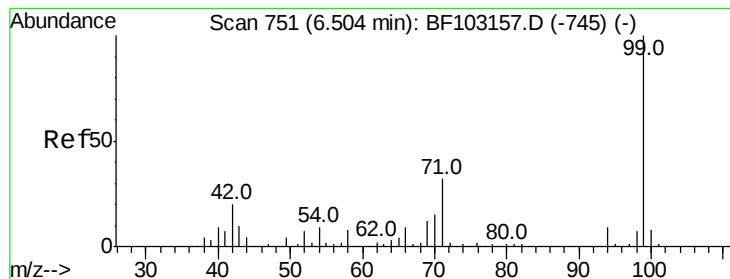
2-Fluorophenol
Concen: 117.172 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.00 min
Lab File: BF103480.D
Acq: 7 Mar 2018 2:20

Tgt Ion:112 Resp: 884669
Ion Ratio Lower Upper
112 100
64 65.1 47.9 71.9
63 34.0 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: 114.164 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF103480.D

Acq: 7 Mar 2018 2:20

Instrument :

BNA_F

ClientSampled :

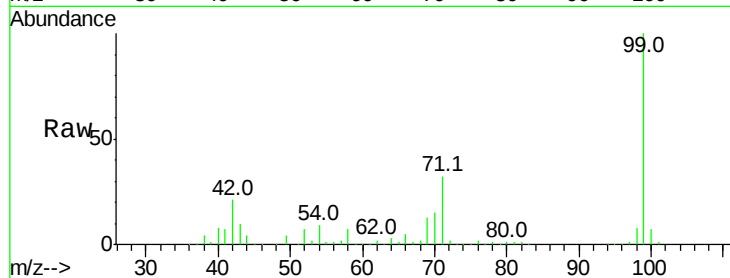
Tot Ion: 99 Resp: 1054736

Ion Ratio Lower Upper

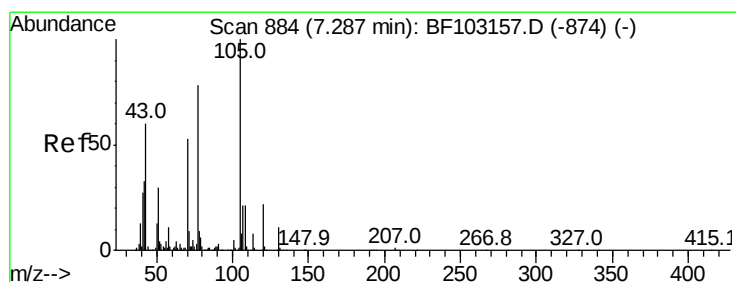
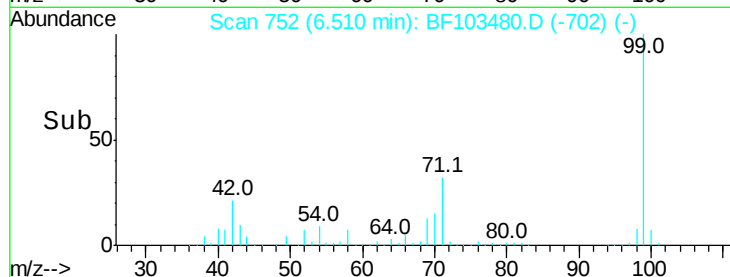
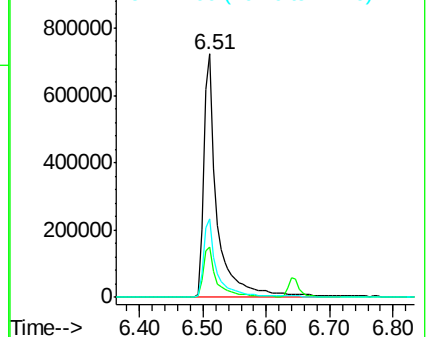
99 100

42 20.6 14.5 21.7

71 32.2 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: 15.224 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.15 min

Lab File: BF103480.D

Acq: 7 Mar 2018 2:20

Tgt Ion: 70 Resp: 87534

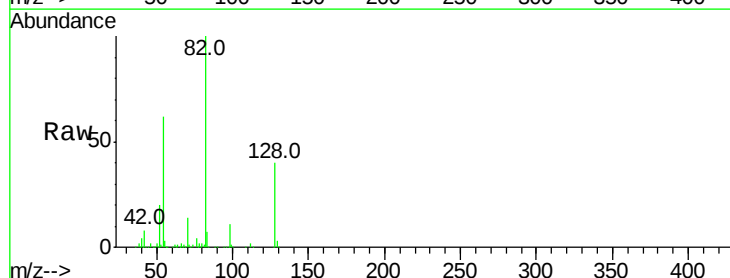
Ion Ratio Lower Upper

70 100

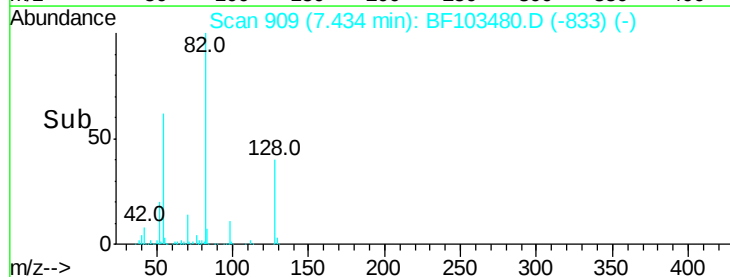
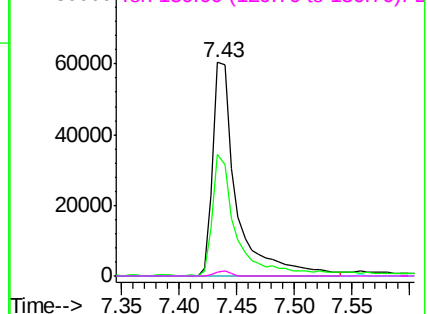
42 57.1 47.5 71.3

101 0.0 7.4 11.2#

130 1.8 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

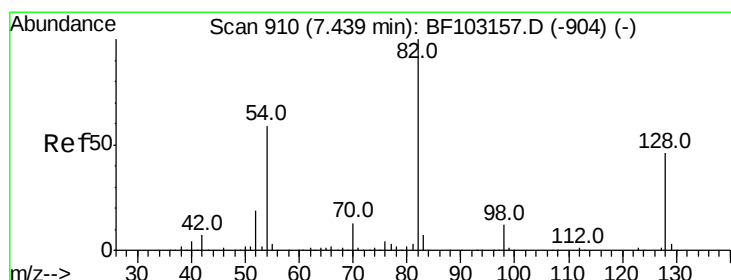
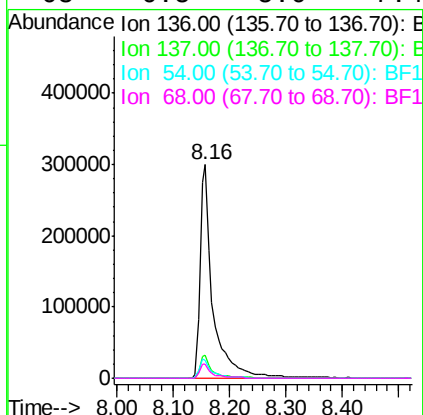
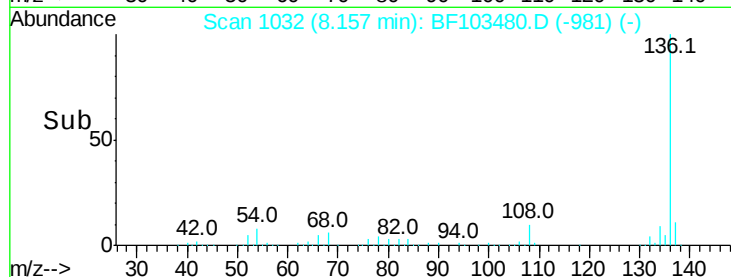
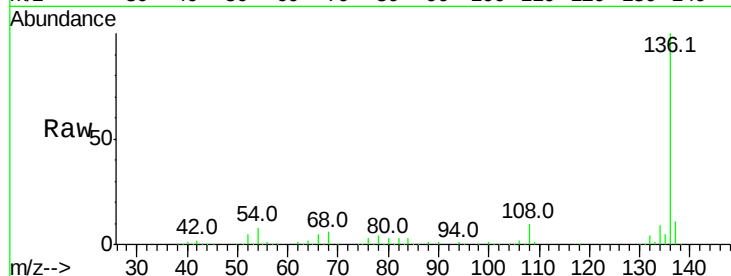




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF103480.D
Acq: 7 Mar 2018 2:20

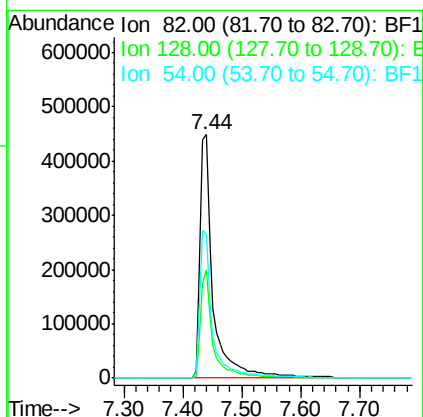
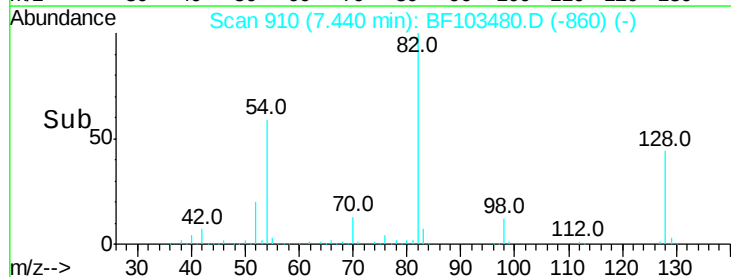
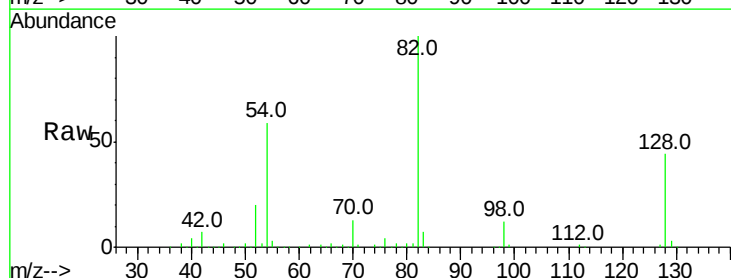
Instrument :
BNA_F
ClientSampleId :

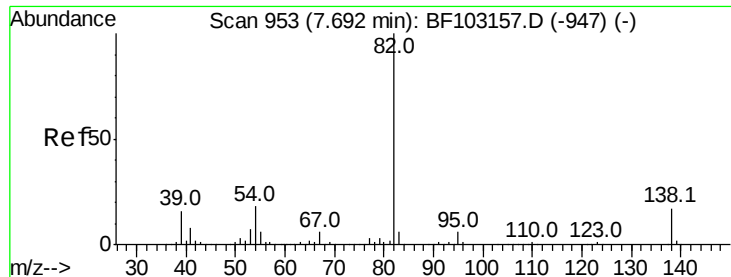
Tot Ion:	136	Resp:	473490
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.3	6.6	9.8
68	6.5	5.0	7.4



#23
Nitrobenzene-d5
Concen: 82.000 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103480.D
Acq: 7 Mar 2018 2:20

Tgt Ion:	82	Resp:	679868
Ion	Ratio	Lower	Upper
82	100		
128	44.5	36.1	54.1
54	59.1	41.4	62.2





#25

Isophorone

Concen: 41.635 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.25 min

Lab File: BF103480.D

Acq: 7 Mar 2018 2:20

Instrument :

BNA_F

ClientSampled :

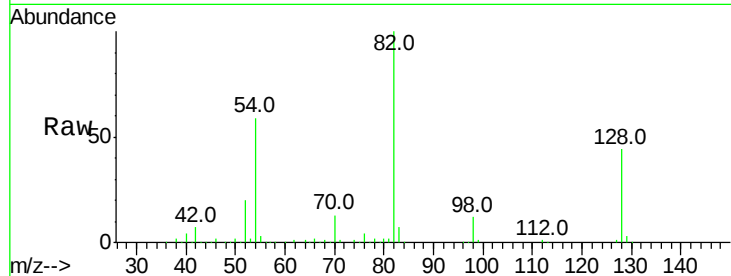
Tot Ion: 82 Resp: 679868

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

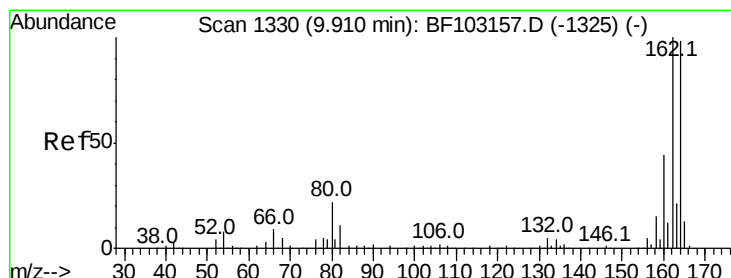
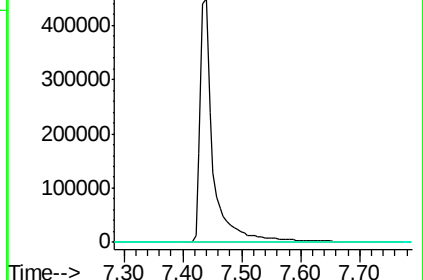
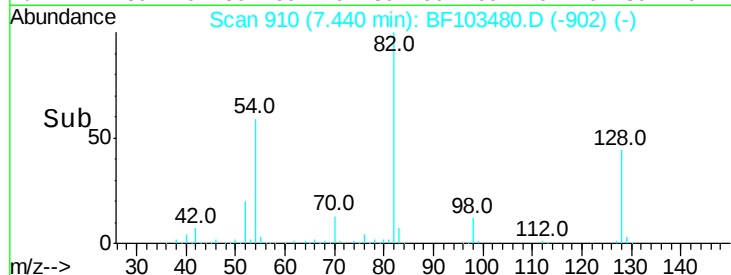
138 0.0 14.9 22.3#



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: BF103480.D

Acq: 7 Mar 2018 2:20

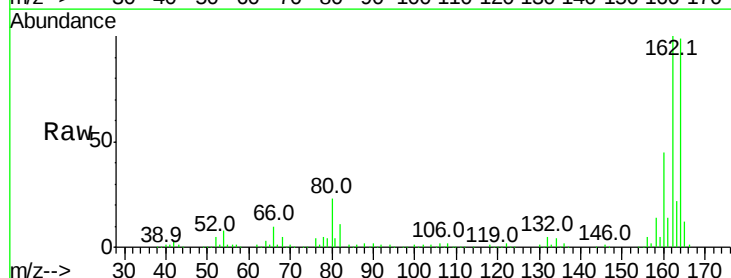
Tgt Ion:164 Resp: 183040

Ion Ratio Lower Upper

164 100

162 100.9 86.1 129.1

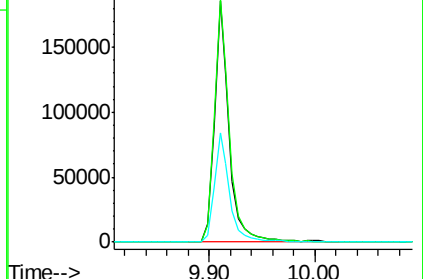
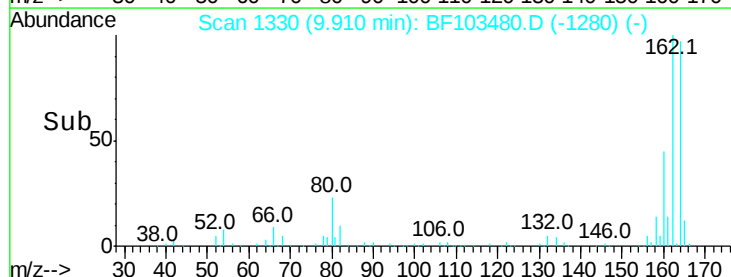
160 45.5 38.3 57.5

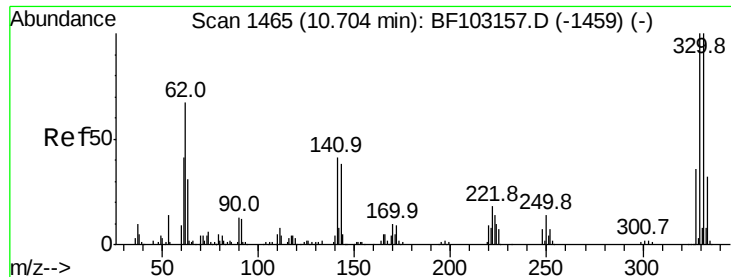


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

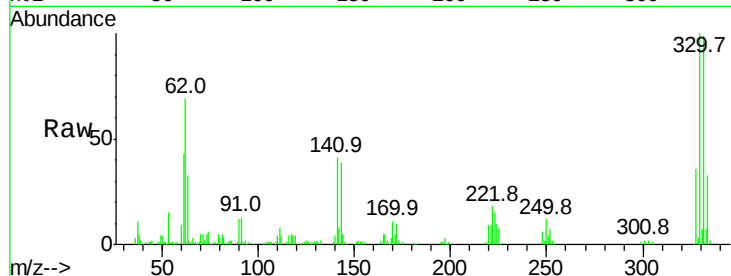




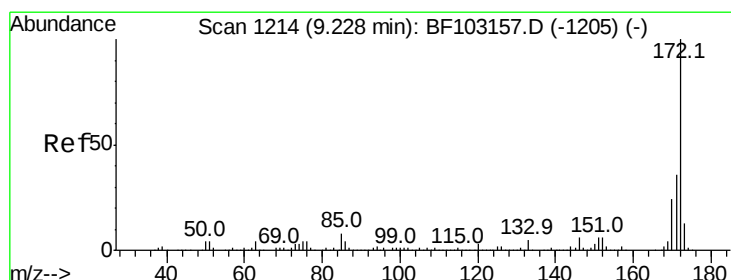
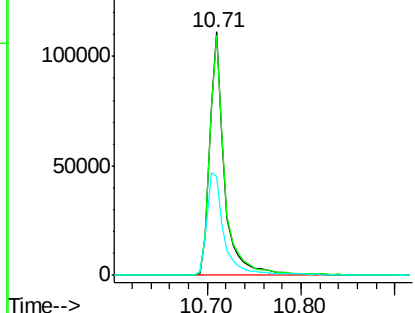
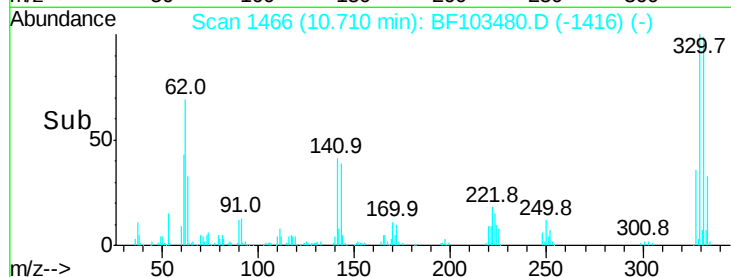
#41
 2,4,6-Tribromophenol
 Concen: 79.754 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF103480.D
 Acq: 7 Mar 2018 2:20

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	101.2	77.0	115.6
141	49.4	29.9	44.9#

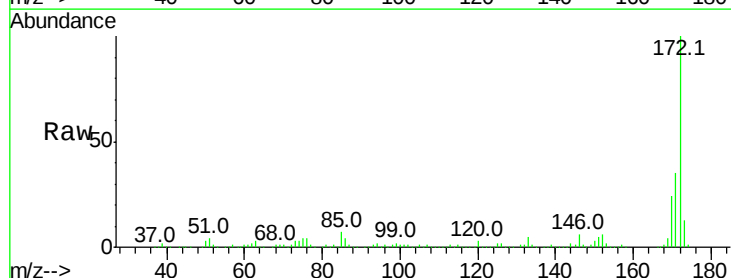


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

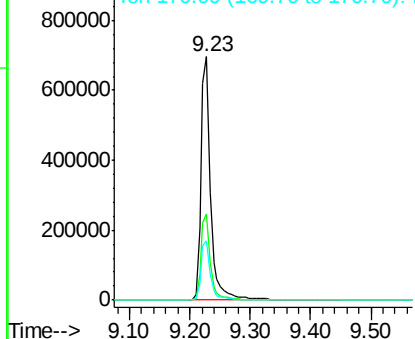
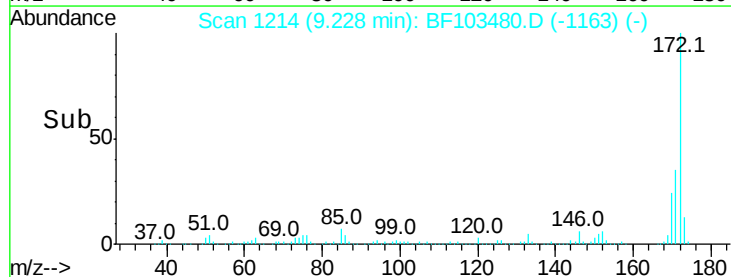


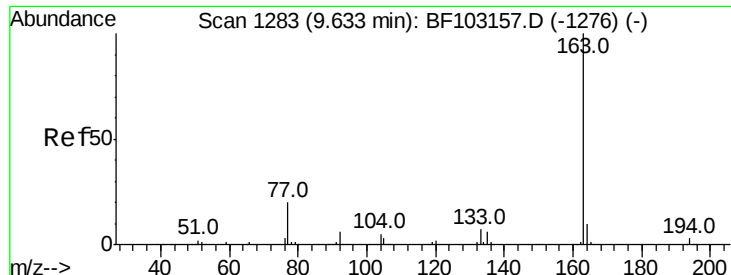
#44
 2-Fluorobiphenyl
 Concen: 70.396 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: BF103480.D
 Acq: 7 Mar 2018 2:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	24.2	19.6	29.4



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

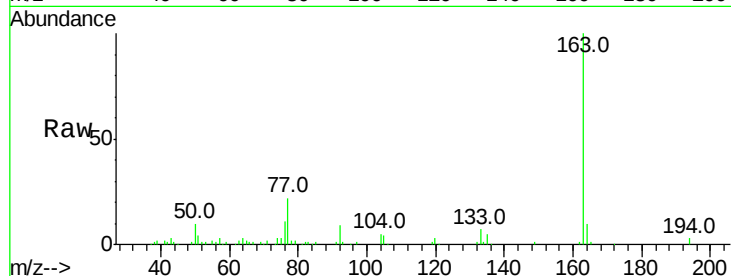




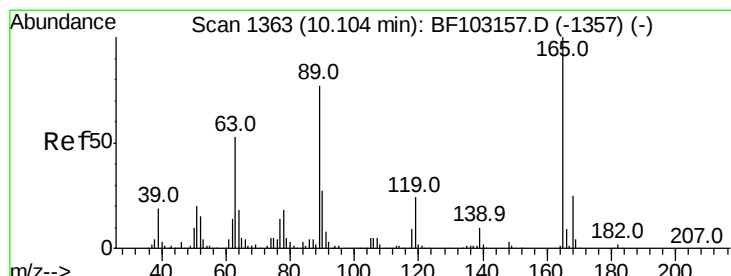
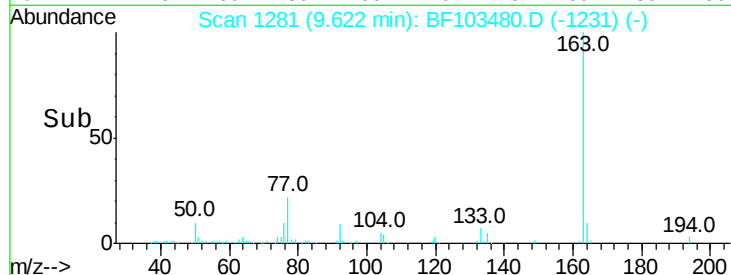
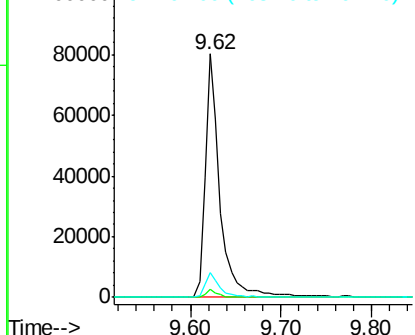
#49
Dimethylphthalate
Concen: 6.257 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103480.D
Acq: 7 Mar 2018 2:20

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 91873
Ion Ratio Lower Upper
163 100
194 3.2 2.7 4.1
164 10.1 8.2 12.2



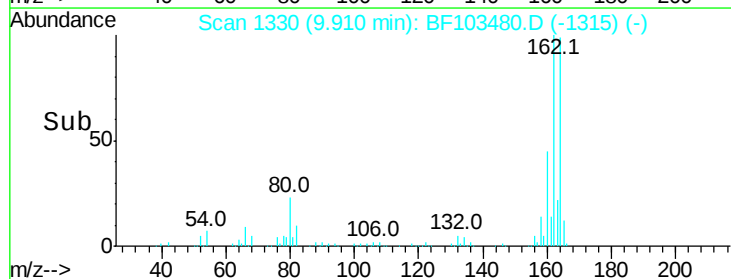
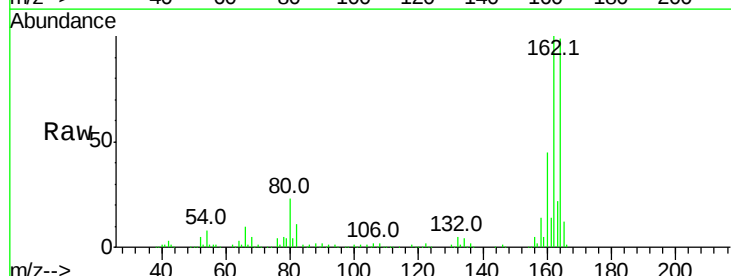
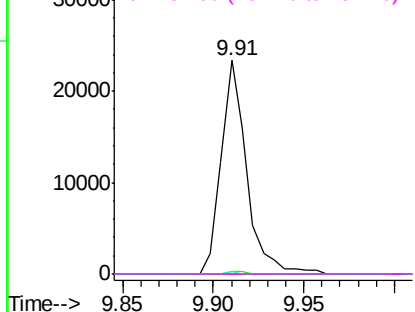
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

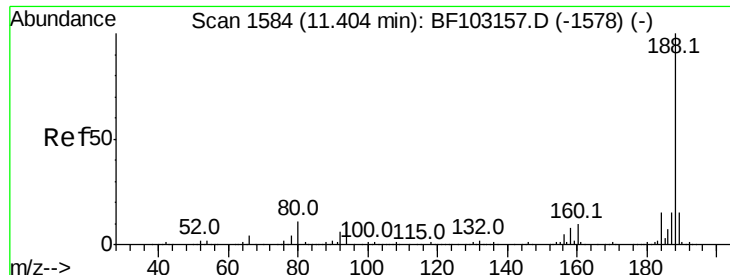


#56
2,4-Dinitrotoluene
Concen: 5.893 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.21 min
Lab File: BF103480.D
Acq: 7 Mar 2018 2:20

Tgt Ion:165 Resp: 22965
Ion Ratio Lower Upper
165 100
63 1.5 36.4 54.6#
89 1.4 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

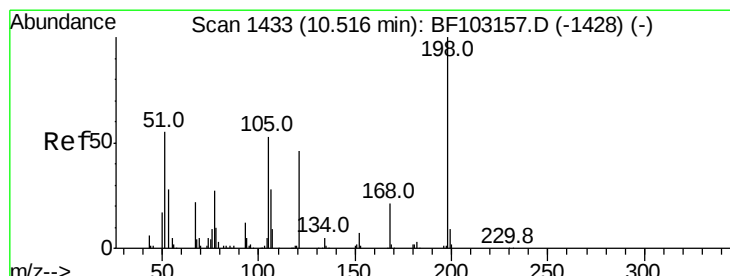
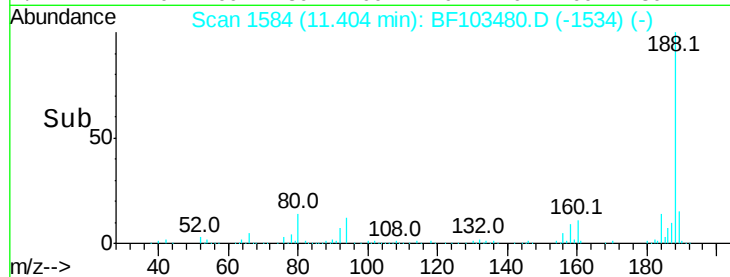
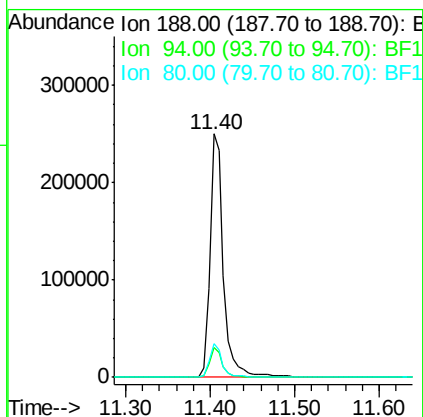
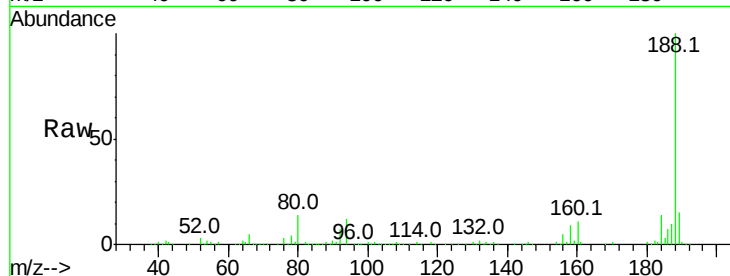




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF103480.D
Acq: 7 Mar 2018 2:20

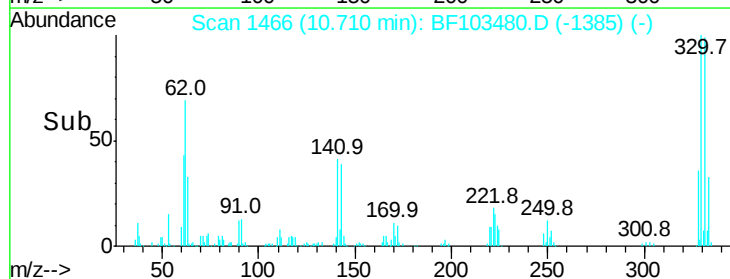
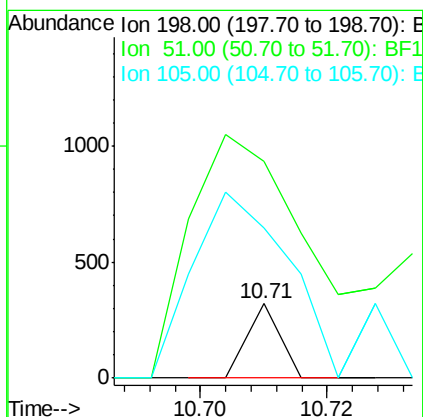
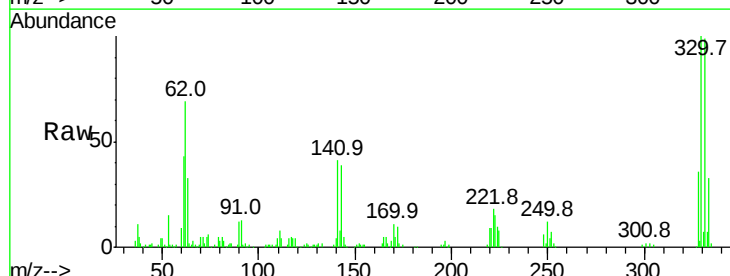
Instrument :
BNA_F
ClientSampleId :

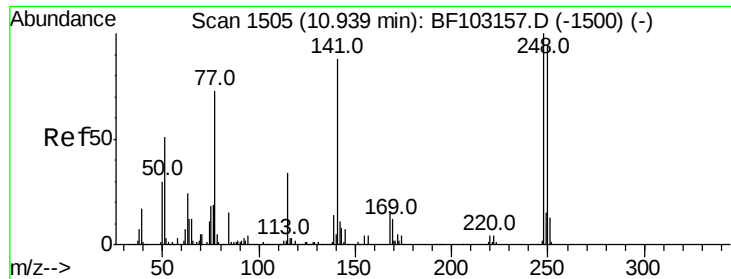
Tot Ion:188 Resp: 279140
Ion Ratio Lower Upper
188 100
94 12.3 8.5 12.7
80 13.7 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.005 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.18 min
Lab File: BF103480.D
Acq: 7 Mar 2018 2:20

Tgt Ion:198 Resp: 113
Ion Ratio Lower Upper
198 100
51 292.2 37.7 77.7#
105 202.5 36.3 76.3#

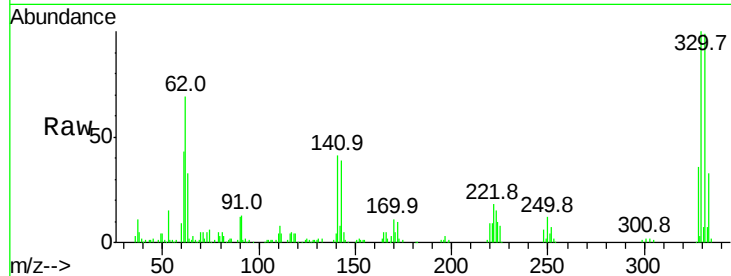




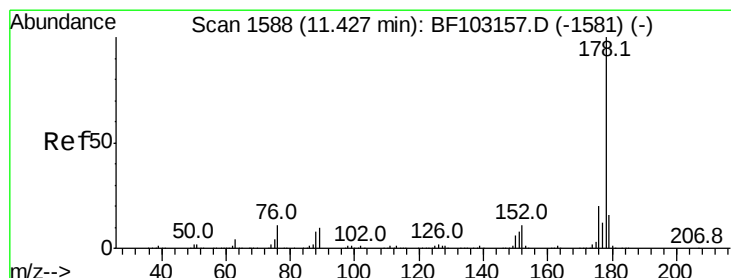
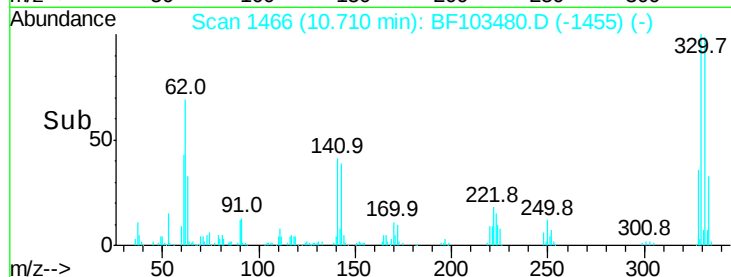
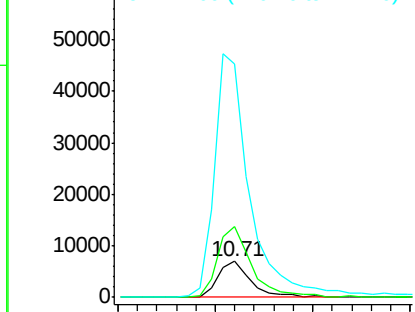
#66
 4-Bromophenyl-phenylether
 Concen: 2.798 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.24 min
 Lab File: BF103480.D
 Acq: 7 Mar 2018 2:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 8135
 Ion Ratio Lower Upper
 248 100
 250 199.0 76.9 115.3#
 141 652.5 74.4 111.6#

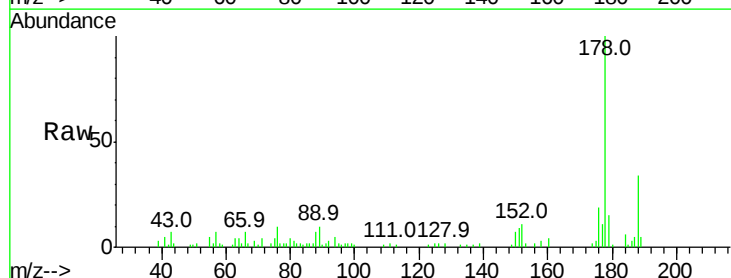


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

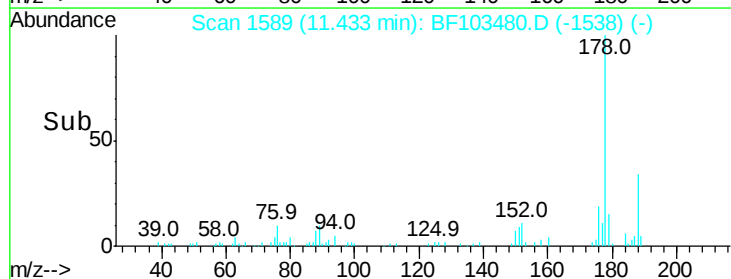
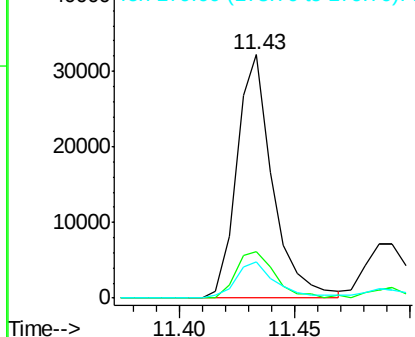


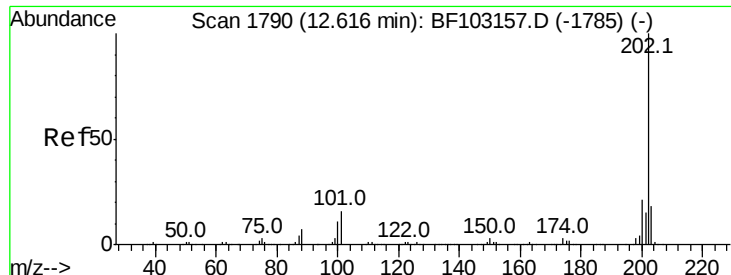
#70
 Phenanthrene
 Concen: 2.272 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: BF103480.D
 Acq: 7 Mar 2018 2:20

Tgt Ion:178 Resp: 34898
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.8 23.8
 179 14.7 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 4.641 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF103480.D

Acq: 7 Mar 2018 2:20

Instrument :

BNA_F

ClientSampleId :

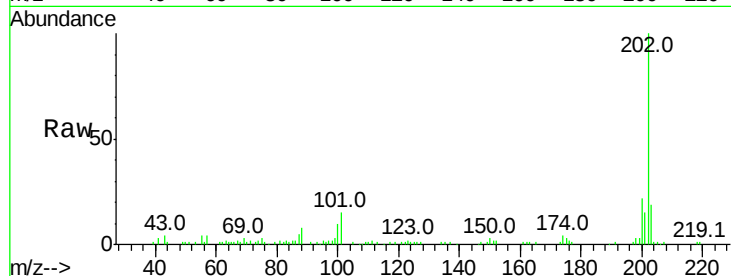
Tot Ion:202 Resp: 71636

Ion Ratio Lower Upper

202 100

101 15.4 0.0 34.1

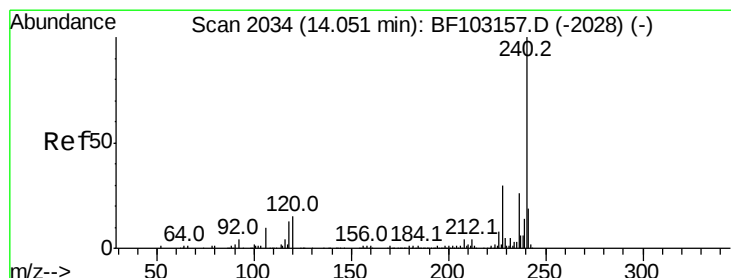
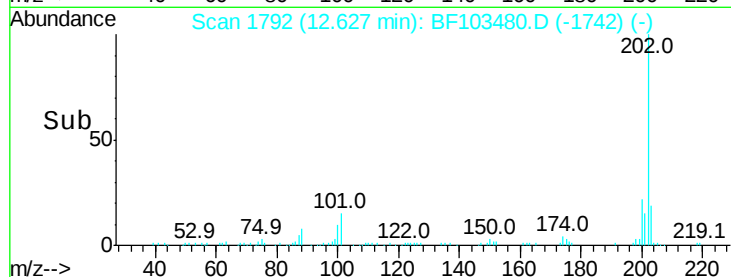
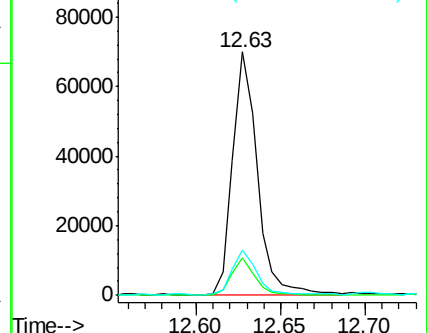
203 18.5 0.0 38.1



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: BF103480.D

Acq: 7 Mar 2018 2:20

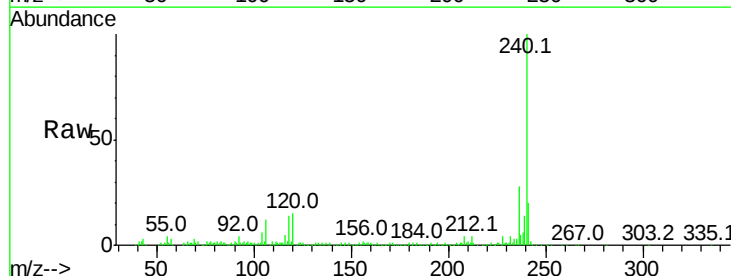
Tgt Ion:240 Resp: 200250

Ion Ratio Lower Upper

240 100

120 15.1 9.5 14.3#

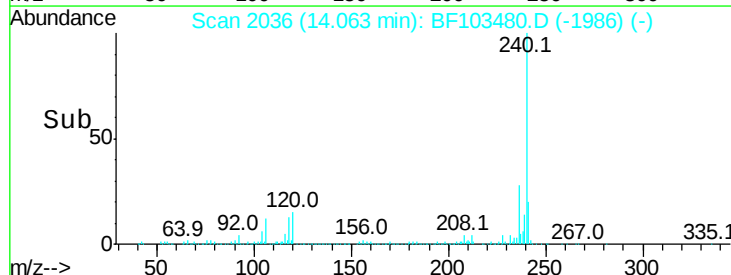
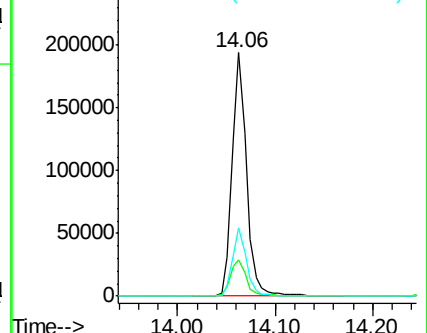
236 28.0 20.7 31.1

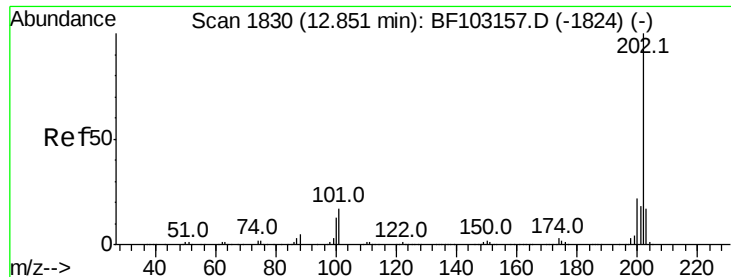


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

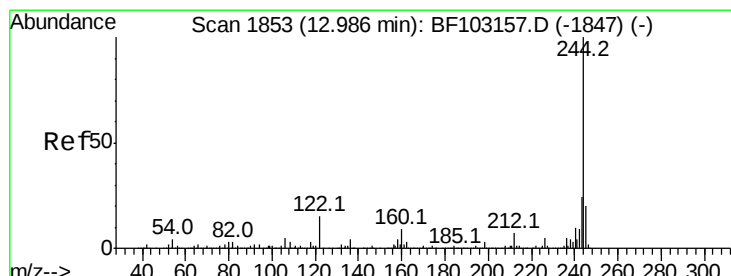
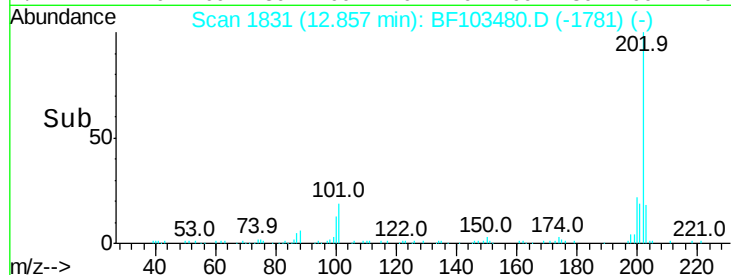
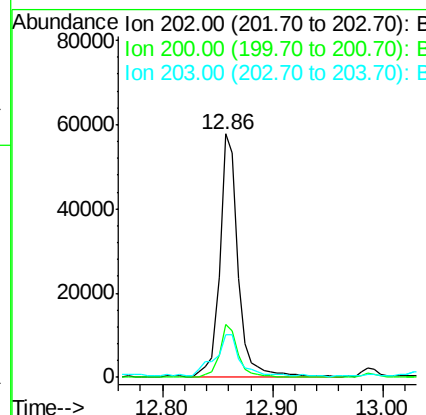
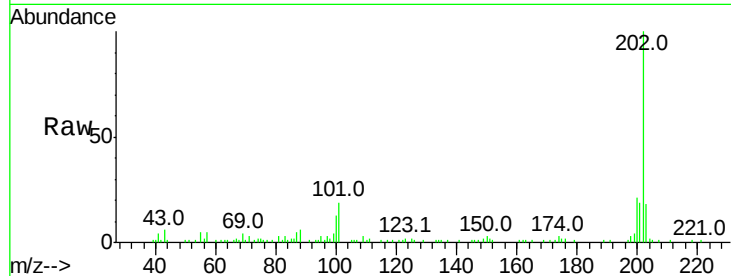




#77
Pvrene
Concen: 4.276 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.01 min
Lab File: BF103480.D
Acq: 7 Mar 2018 2:20

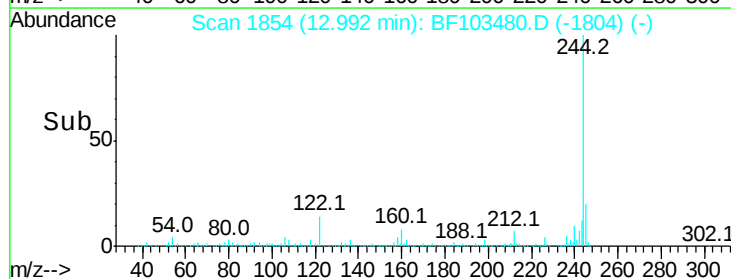
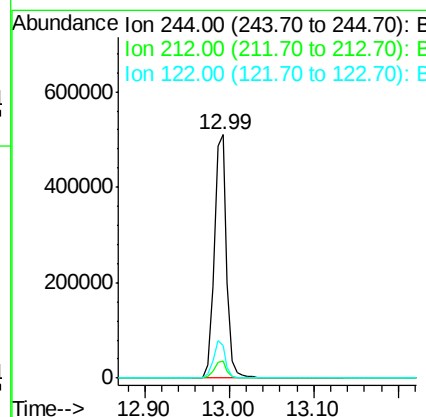
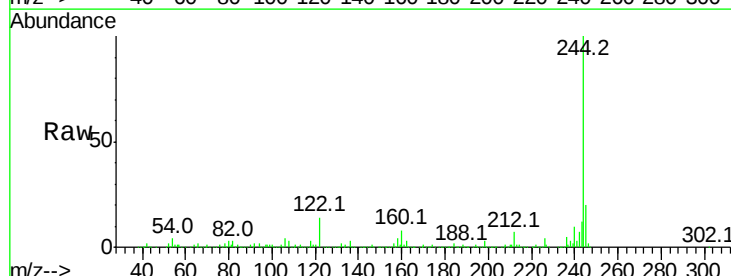
Instrument :
BNA_F
ClientSampleId :

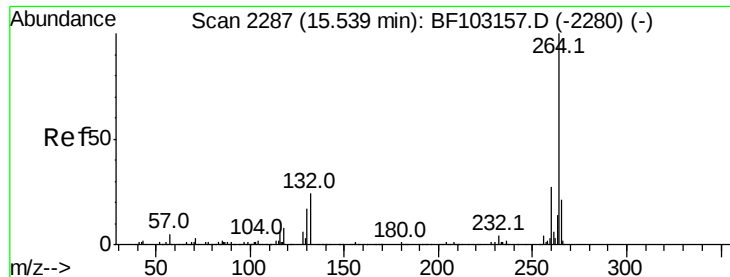
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.2
203	17.6	14.3	21.5



#78
Terphenyl-d14
Concen: 63.286 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF103480.D
Acq: 7 Mar 2018 2:20

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	13.5	11.0	16.4

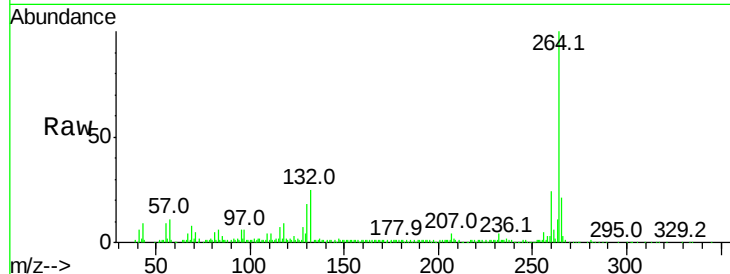




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: BF103480.D
Acq: 7 Mar 2018 2:20

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.1	17.5	26.3

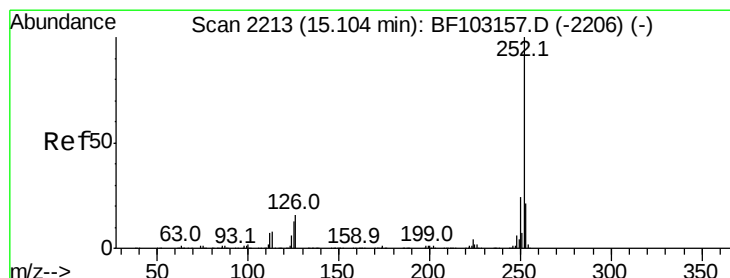
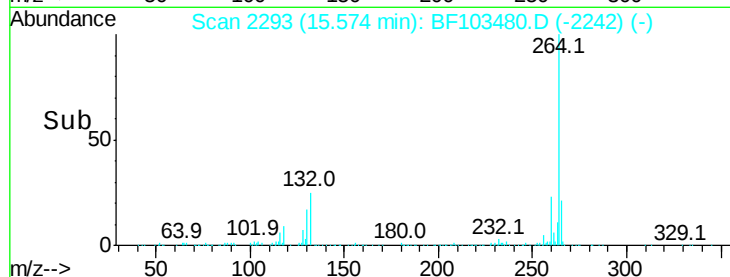
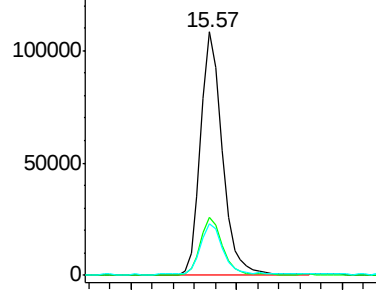


Abundance

Ion 264.00 (263.70 to 264.70): E

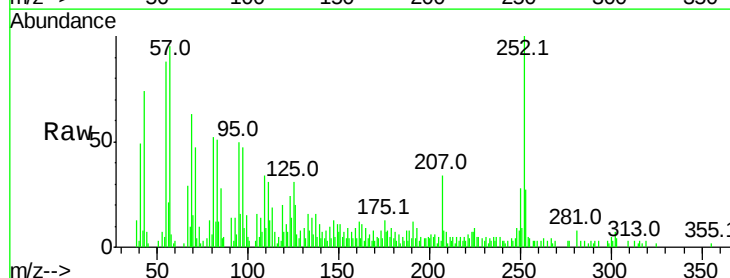
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 2.904 ng
RT: 15.13 min Scan# 2218
Delta R.T. 0.00 min
Lab File: BF103480.D
Acq: 7 Mar 2018 2:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.1	17.0	25.6#
125	30.6	9.0	13.6#

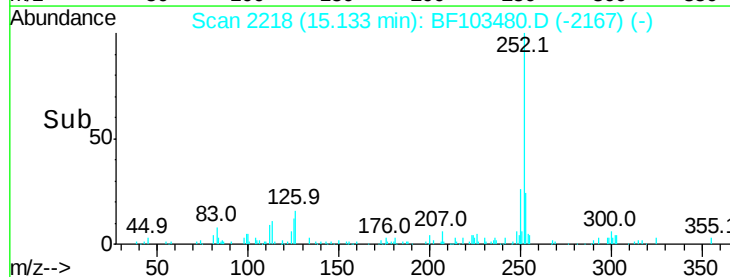
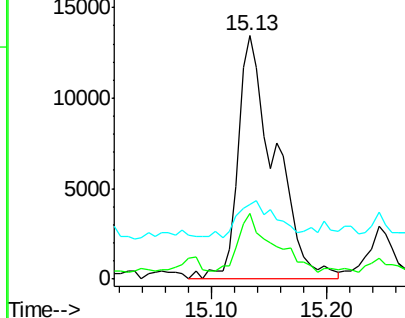


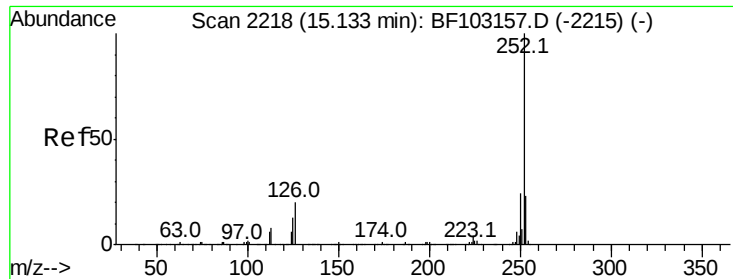
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 3.084 ng

RT: 15.13 min Scan# 2218

Delta R.T. -0.03 min

Lab File: BF103480.D

Acq: 7 Mar 2018 2:20

Instrument :

BNA_F

ClientSampleId :

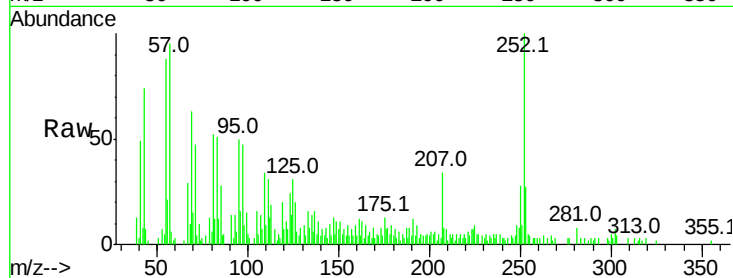
Tot Ion:252 Resp: 29777

Ion Ratio Lower Upper

252 100

253 27.1 17.9 26.9#

125 30.6 10.2 15.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

