

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030718\
 Data File : BF103505.D
 Acq On : 7 Mar 2018 17:07
 Operator : SJ/JU
 Sample : J1811-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 07 17:37:41 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 07 11:40:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	167724	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	694343	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	269944	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	387448	20.00	ng	0.00
75) Chrysene-d12	14.06	240	245329	20.00	ng	0.00
86) Perylene-d12	15.56	264	208592	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	1148760	103.59	ng	0.00
7) Phenol-d6	6.50	99	1386827	102.20	ng	0.00
23) Nitrobenzene-d5	7.43	82	940768	77.38	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	187109	81.89	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1261650	79.20	ng	0.00
78) Terphenyl-d14	12.99	244	748405	73.33	ng	0.00

Target Compounds

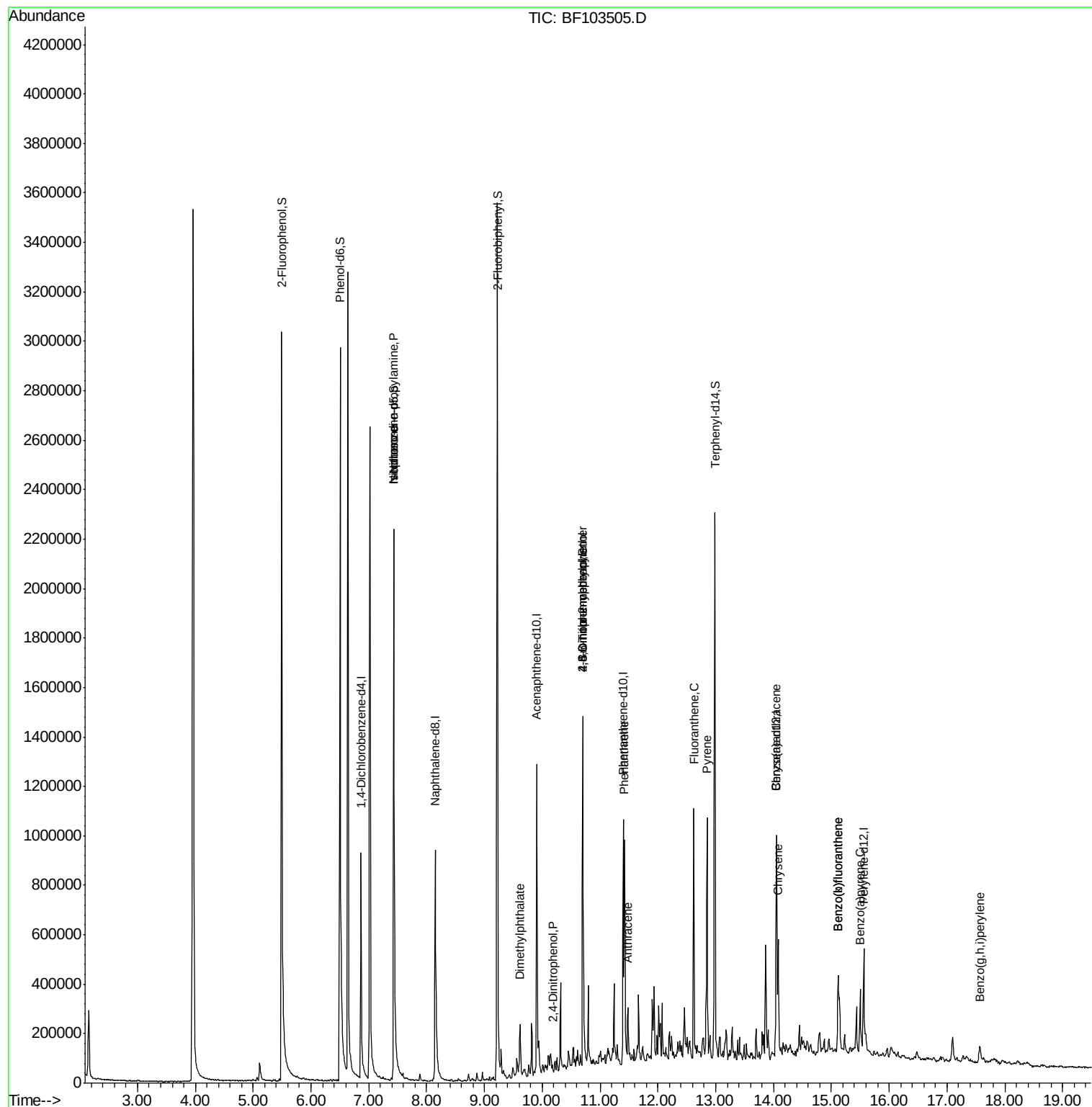
						Qvalue
9) Benzaldehyde	6.50	77	2977	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.43	70	126928	15.029 ng	#	81
25) Isophorone	7.43	82	940768	39.287 ng	#	64
49) Dimethylphthalate	9.62	163	93450	4.315 ng		100
53) 2,4-Dinitrophenol	10.19	184	397	9.834 ng	#	1
64) 4,6-Dinitro-2-methylphenol	10.70	198	643	5.190 ng		97
66) 4-Bromophenyl-phenylether	10.70	248	12796	3.170 ng	#	1
70) Phenanthrene	11.43	178	371929	17.443 ng		98
71) Anthracene	11.48	178	108397	4.958 ng		99
74) Fluoranthene	12.62	202	428917	20.018 ng		99
77) Pyrene	12.85	202	405601	21.205 ng		100
80) Benzo(a)anthracene	14.04	228	199253	12.518 ng		98
82) Chrysene	14.08	228	169539	10.969 ng		98
87) Benzo(b)fluoranthene	15.12	252	253514	18.485 ng	#	93
88) Benzo(k)fluoranthene	15.12	252	253514	19.630 ng	#	96
89) Benzo(a)pyrene	15.50	252	133070	10.865 ng	#	94
91) Benzo(a,h,i)perylene	17.57	276	58018	6.273 ng		94

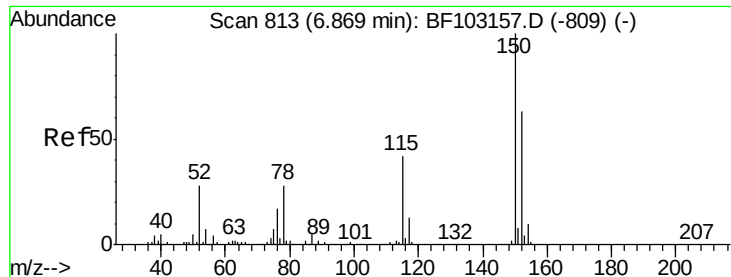
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030718\
Data File : BF103505.D
Acq On : 7 Mar 2018 17:07
Operator : SJ/JU
Sample : J1811-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Mar 07 17:37:41 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 07 11:40:36 2018
Response via : Initial Calibration



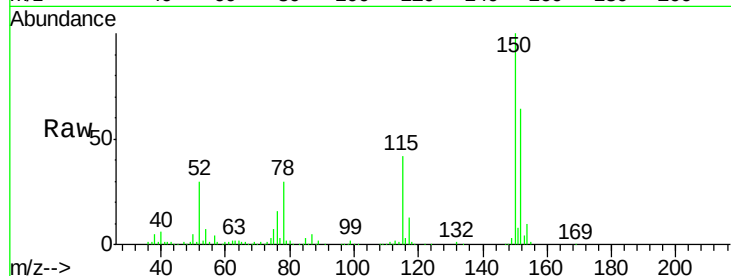


#1

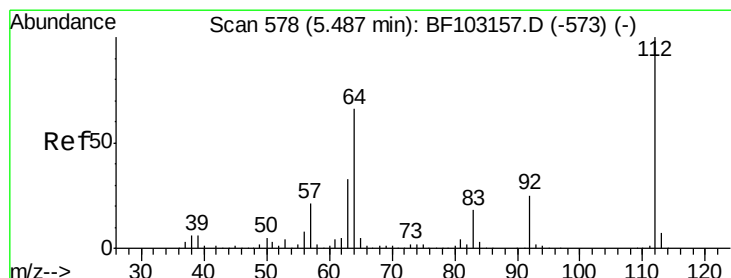
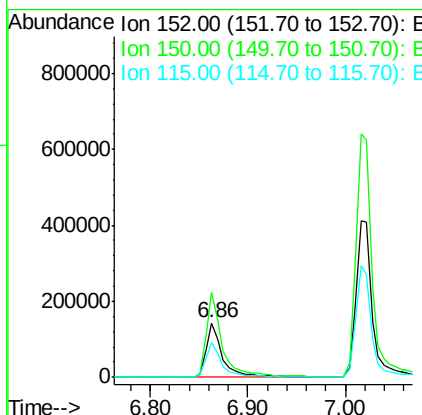
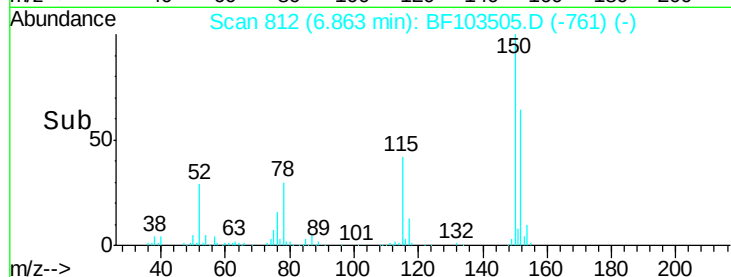
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF103505.D
Acq: 7 Mar 2018 17:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 167724
Ion Ratio Lower Upper
152 100
150 157.1 124.6 186.8
115 65.5 50.1 75.1



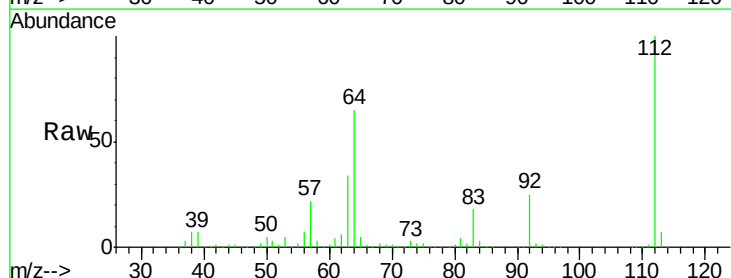
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



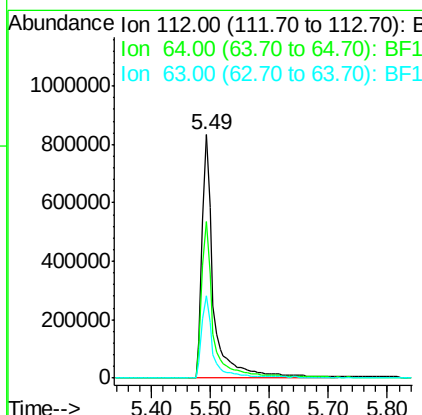
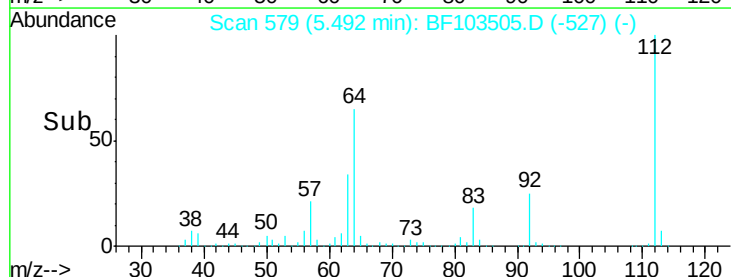
#5

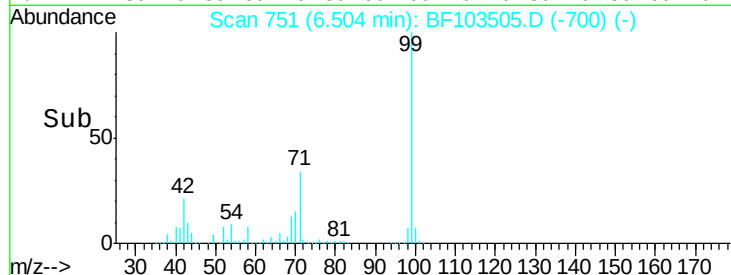
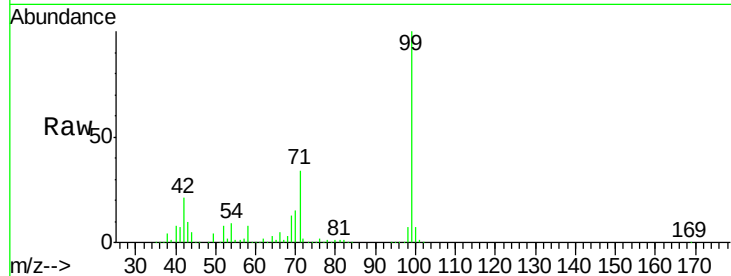
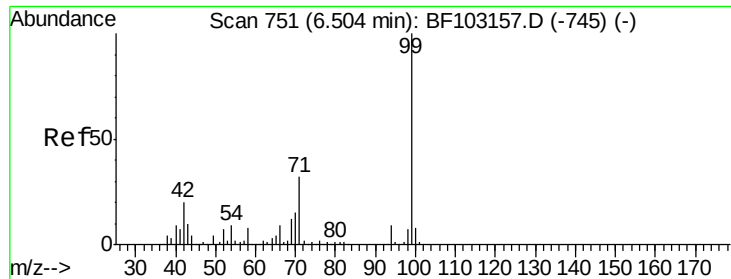
2-Fluorophenol
Concen: 103.588 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF103505.D
Acq: 7 Mar 2018 17:07

Tgt Ion:112 Resp: 1148760
Ion Ratio Lower Upper
112 100
64 64.6 47.9 71.9
63 33.9 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: 102.199 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF103505.D

Acq: 7 Mar 2018 17:07

Instrument :

BNA_F

ClientSampleId :

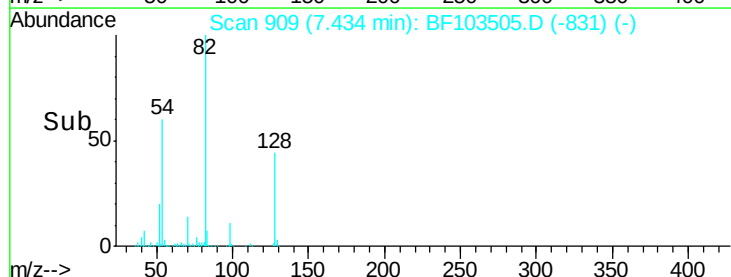
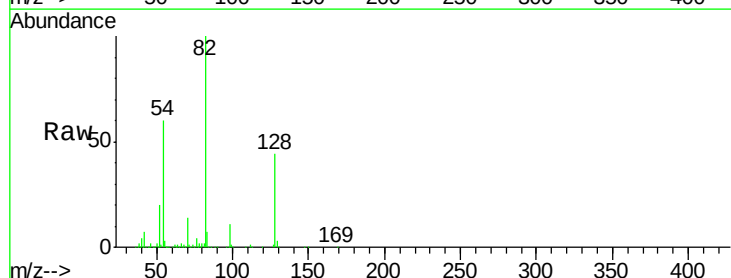
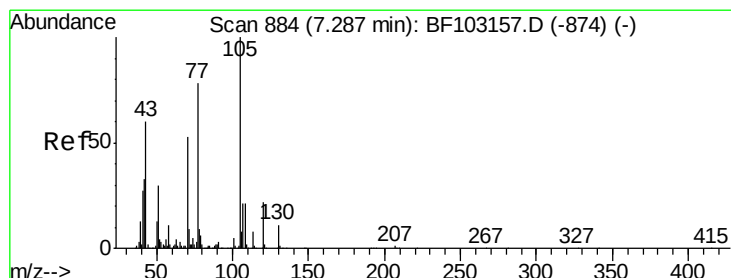
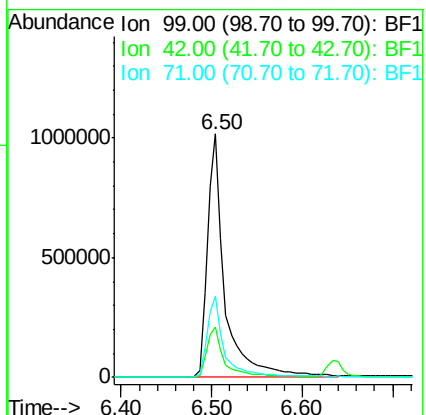
Tot Ion: 99 Resp: 1386827

Ion Ratio Lower Upper

99 100

42 20.8 14.5 21.7

71 33.5 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.029 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.16 min

Lab File: BF103505.D

Acq: 7 Mar 2018 17:07

Tgt Ion: 70 Resp: 126928

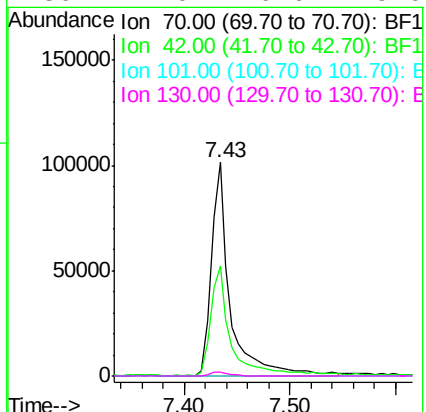
Ion Ratio Lower Upper

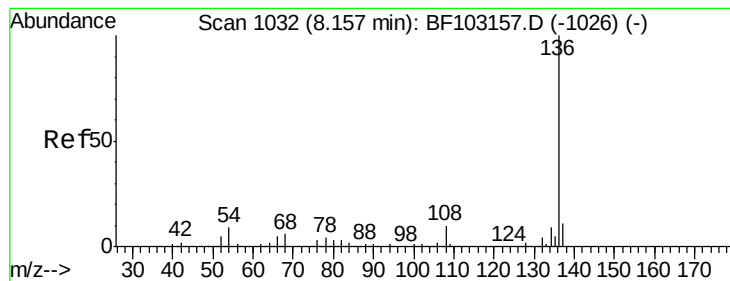
70 100

42 51.5 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF103505.D

Acq: 7 Mar 2018 17:07

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 694343

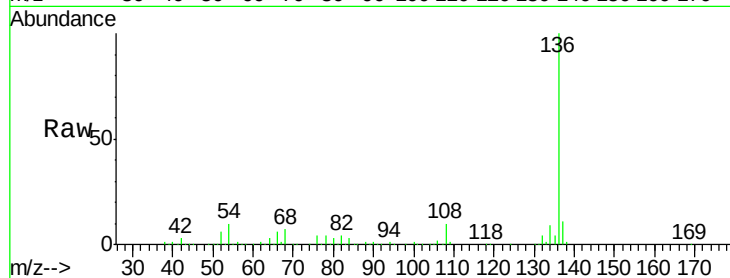
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 9.9 6.6 9.8#

68 7.0 5.0 7.4

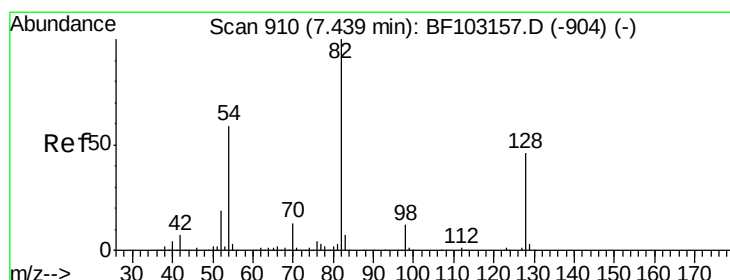
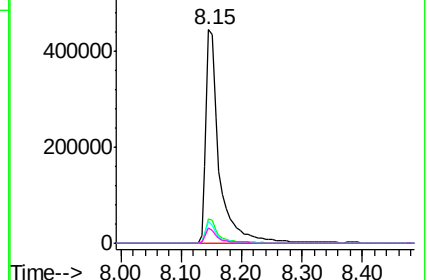
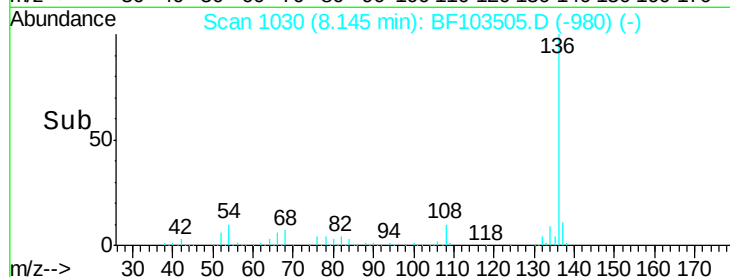


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 77.376 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF103505.D

Acq: 7 Mar 2018 17:07

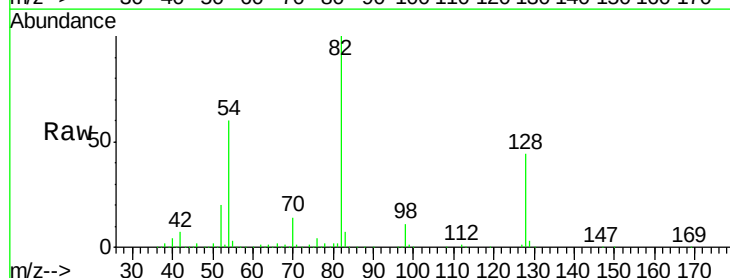
Tgt Ion: 82 Resp: 940768

Ion Ratio Lower Upper

82 100

128 44.2 36.1 54.1

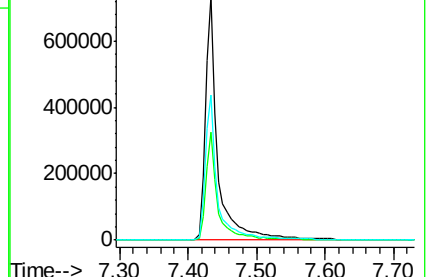
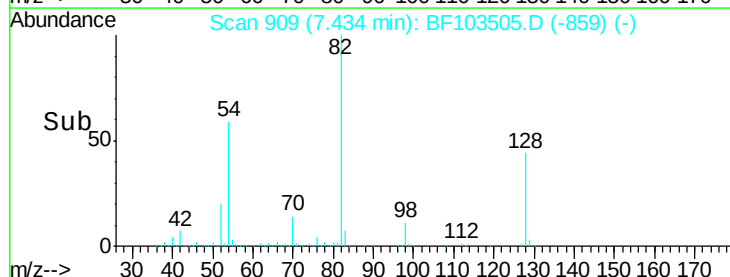
54 59.6 41.4 62.2

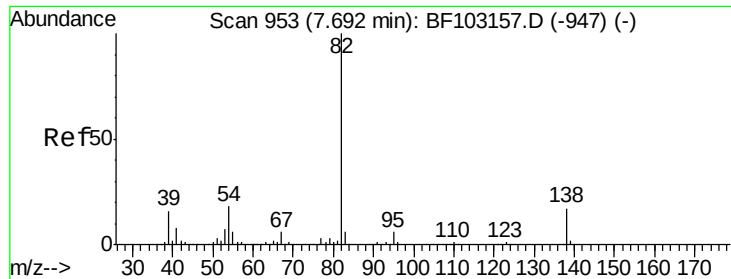


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 39.287 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.25 min

Lab File: BF103505.D

Acq: 7 Mar 2018 17:07

Instrument :

BNA_F

ClientSampleId :

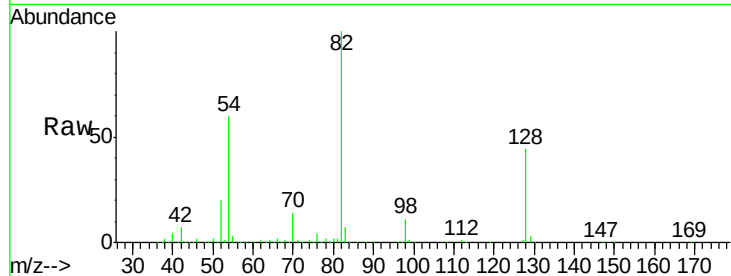
Tot Ion: 82 Resp: 940768

Ion Ratio Lower Upper

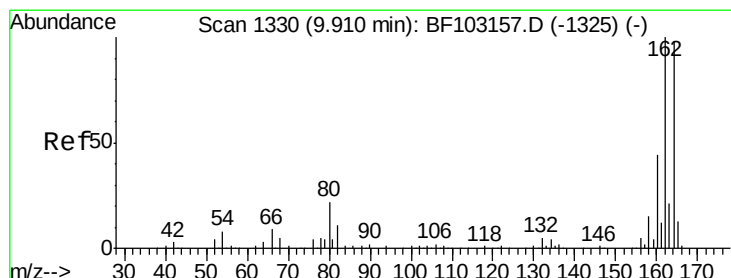
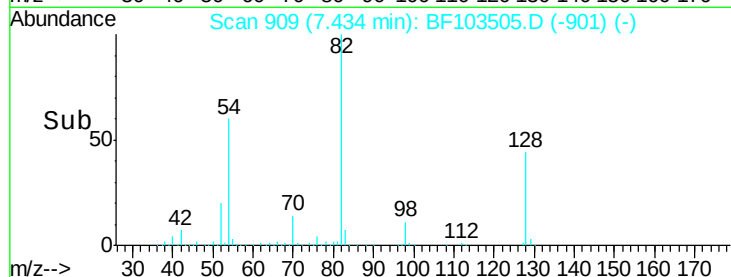
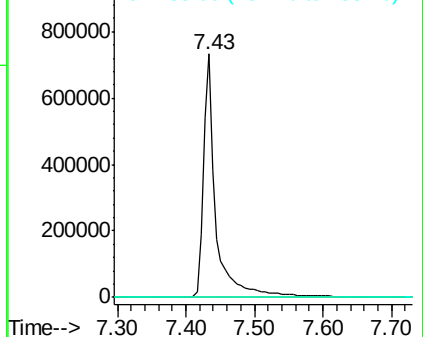
82 100

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: 9.90 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BF103505.D

Acq: 7 Mar 2018 17:07

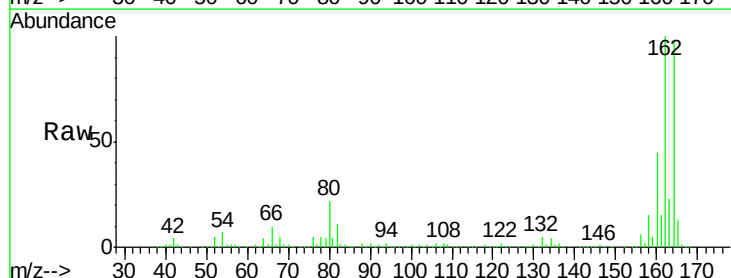
Tgt Ion: 164 Resp: 269944

Ion Ratio Lower Upper

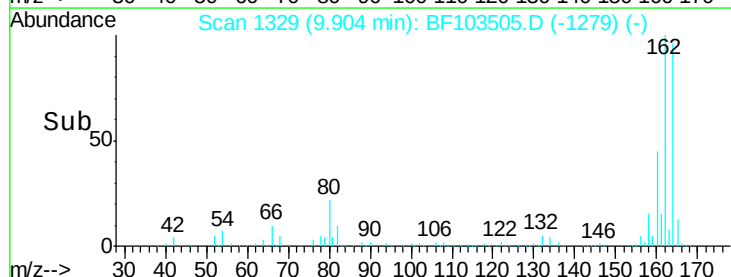
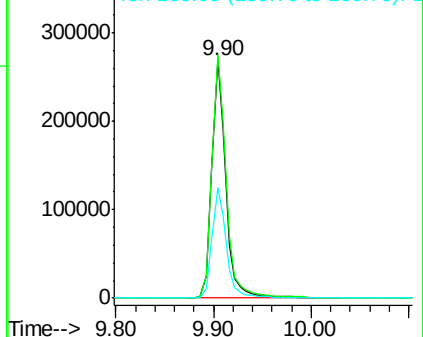
164 100

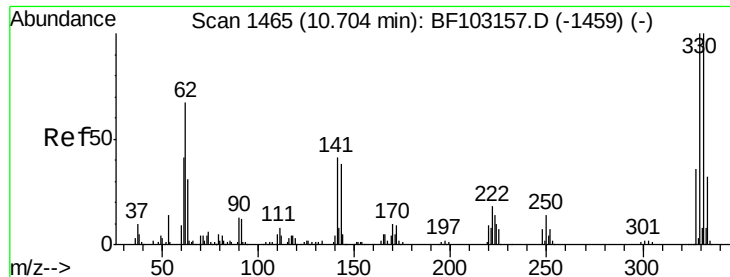
162 102.3 86.1 129.1

160 46.3 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1

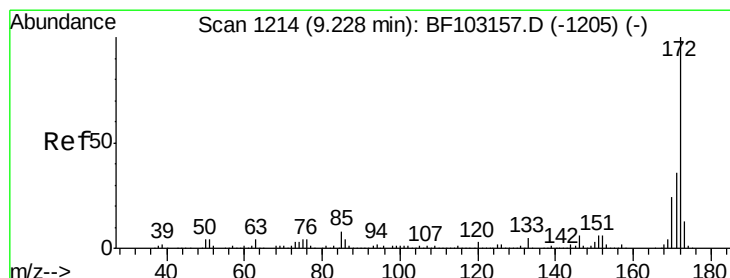
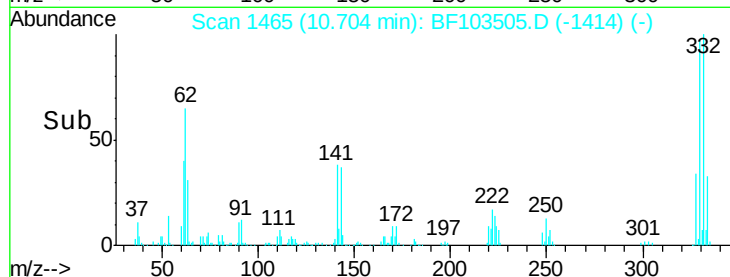
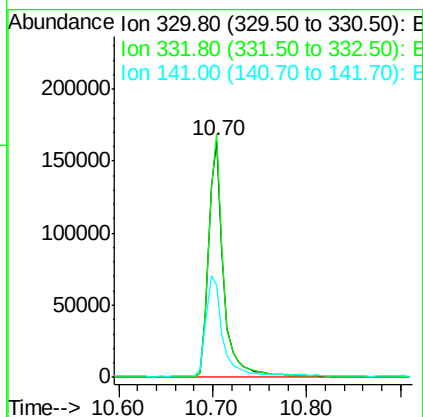
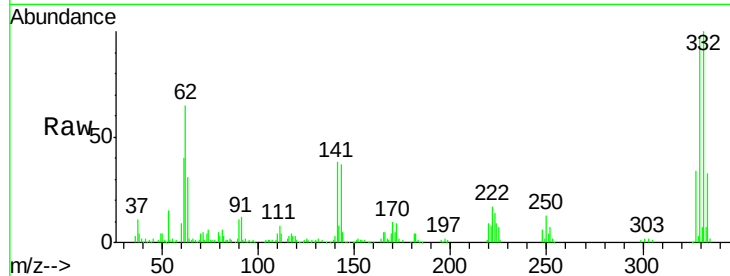




#41
 2,4,6-Tribromophenol
 Concen: 81.888 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: BF103505.D
 Acq: 7 Mar 2018 17:07

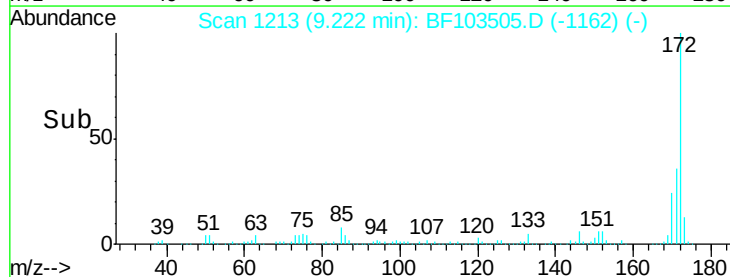
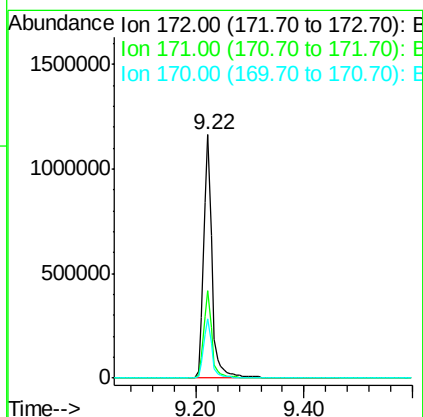
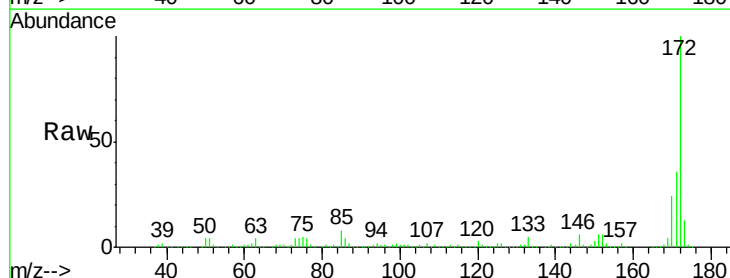
Instrument :
 BNA_F
 ClientSampleId :

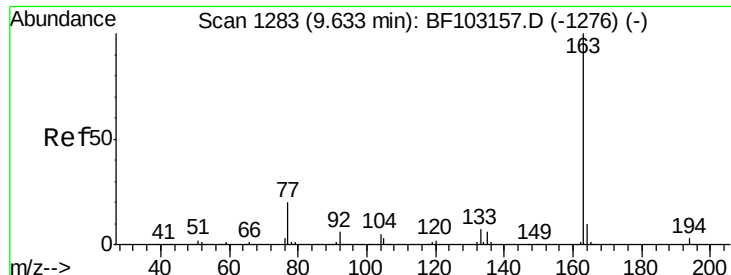
Tot Ion:330 Resp: 187109
 Ion Ratio Lower Upper
 330 100
 332 101.3 77.0 115.6
 141 46.9 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: 79.205 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. 0.00 min
 Lab File: BF103505.D
 Acq: 7 Mar 2018 17:07

Tgt Ion:172 Resp: 1261650
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.7 44.5
 170 24.3 19.6 29.4

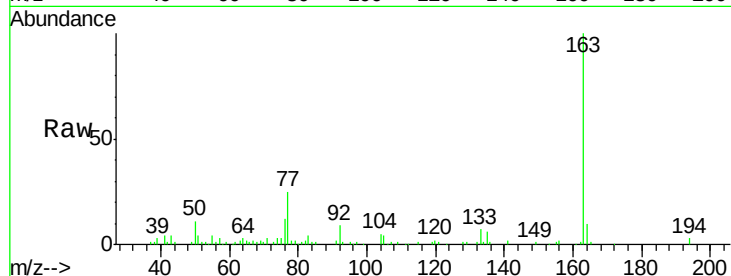




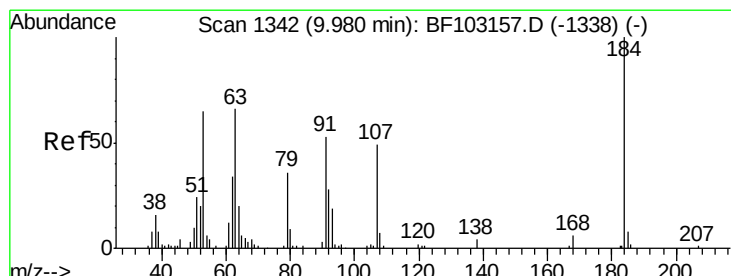
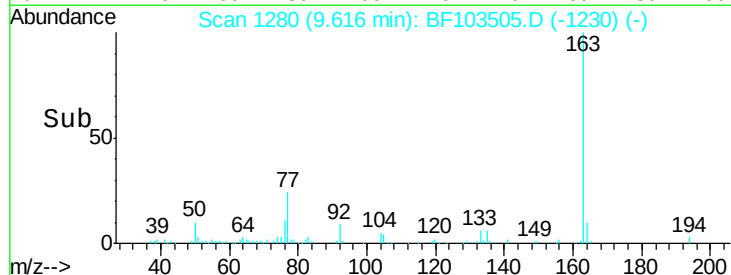
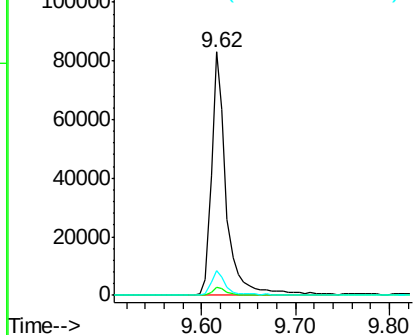
#49
Dimethylphthalate
Concen: 4.315 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BF103505.D
Acq: 7 Mar 2018 17:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 93450
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 10.2 8.2 12.2

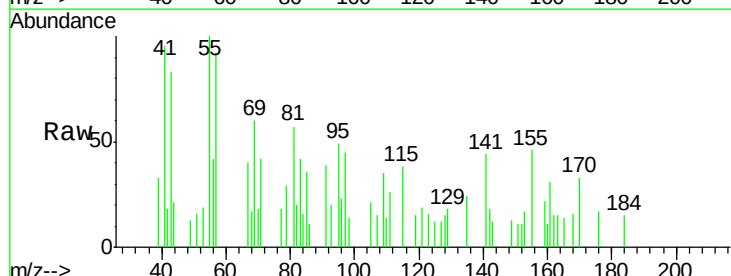


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

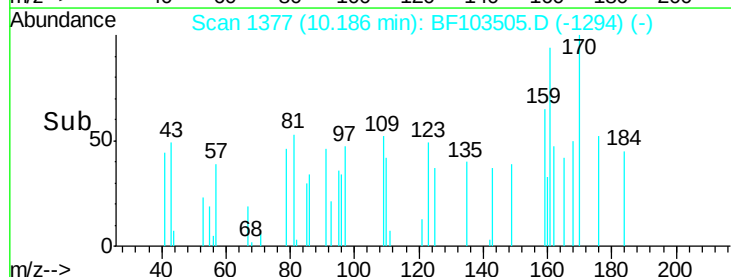
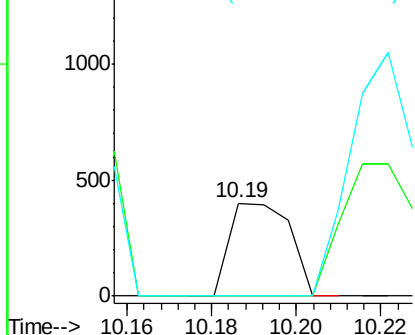


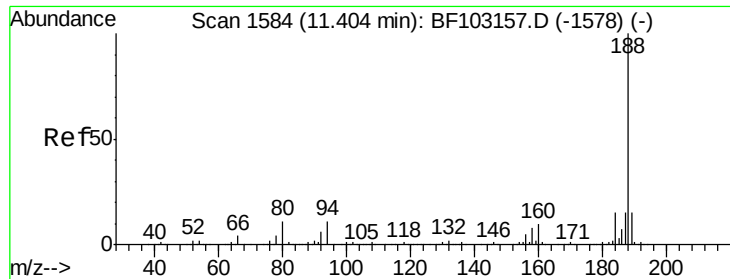
#53
2,4-Dinitrophenol
Concen: 9.834 ng
RT: 10.19 min Scan# 1377
Delta R.T. 0.19 min
Lab File: BF103505.D
Acq: 7 Mar 2018 17:07

Tgt Ion:184 Resp: 397
Ion Ratio Lower Upper
184 100
63 0.0 54.2 81.2#
154 0.0 184.0 276.0#



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

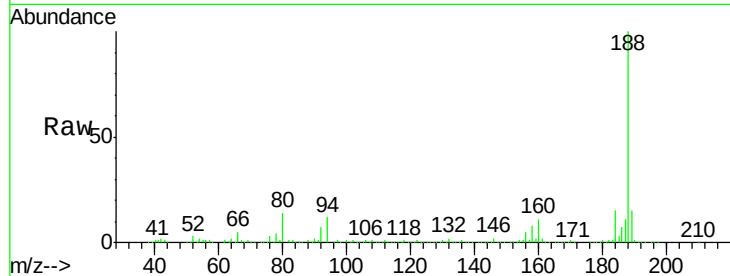




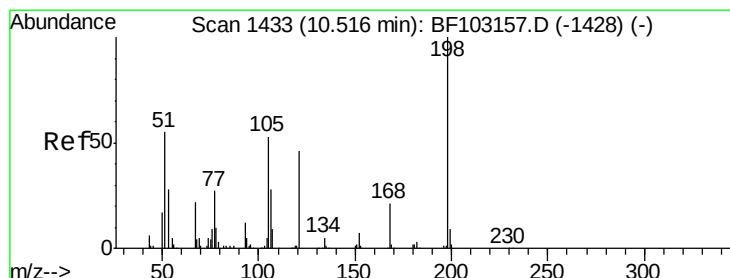
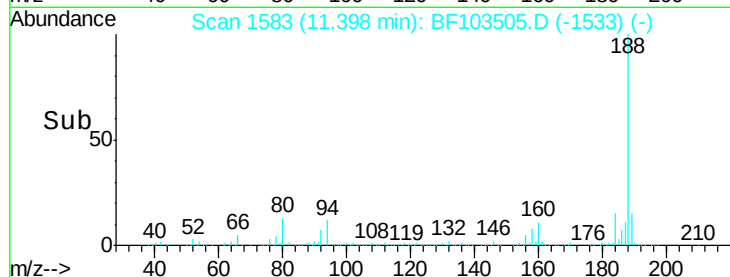
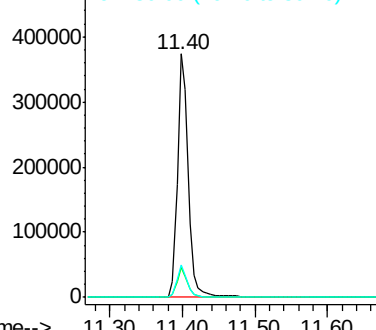
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF103505.D
Acq: 7 Mar 2018 17:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 387448
Ion Ratio Lower Upper
188 100
94 12.2 8.5 12.7
80 13.6 9.2 13.8

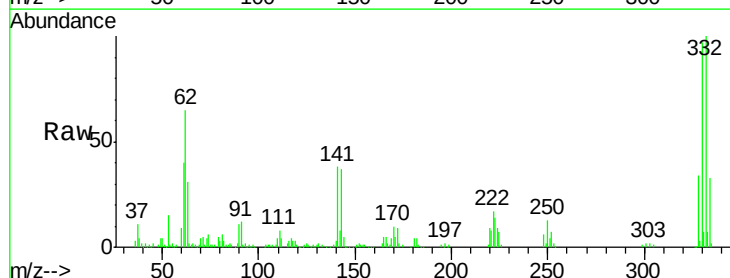


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

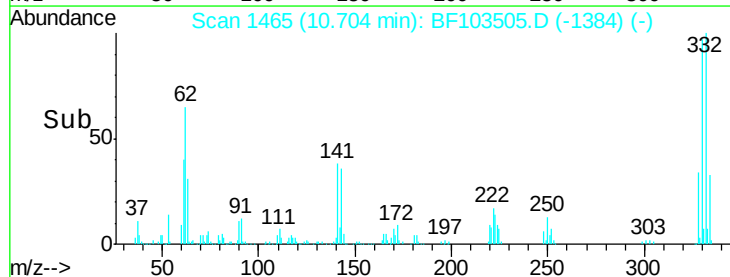
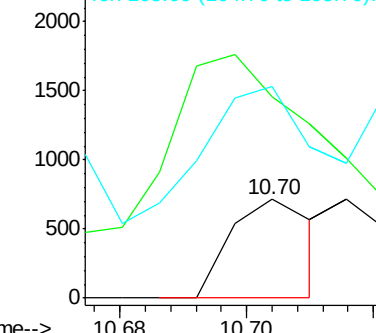


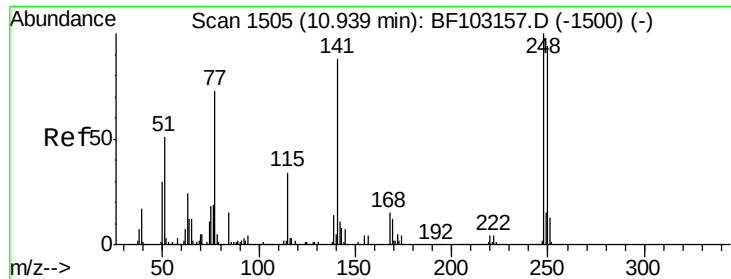
#64
4,6-Dinitro-2-methylphenol
Concen: 5.190 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.18 min
Lab File: BF103505.D
Acq: 7 Mar 2018 17:07

Tgt Ion:198 Resp: 643
Ion Ratio Lower Upper
198 100
51 54.3 37.7 77.7
105 57.2 36.3 76.3



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

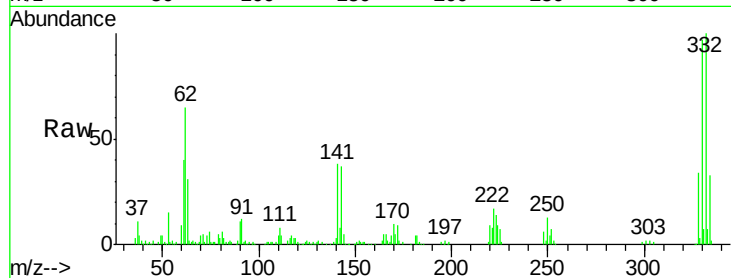




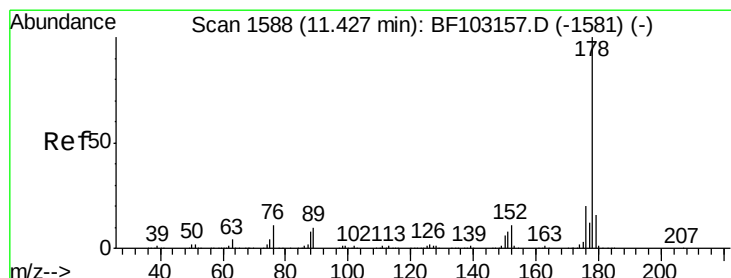
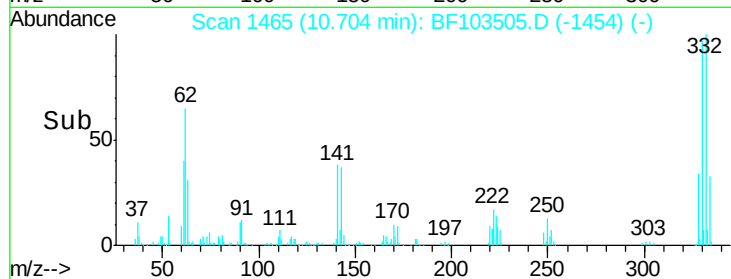
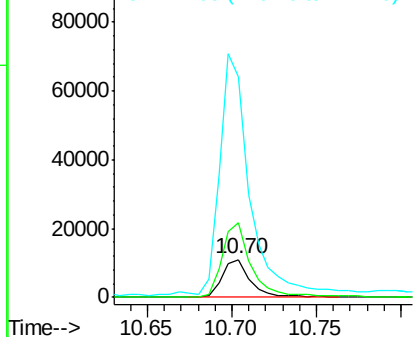
#66
4-Bromophenyl-phenylether
Concen: 3.170 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.24 min
Lab File: BF103505.D
Acq: 7 Mar 2018 17:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 12796
Ion Ratio Lower Upper
248 100
250 197.8 76.9 115.3#
141 587.4 74.4 111.6#

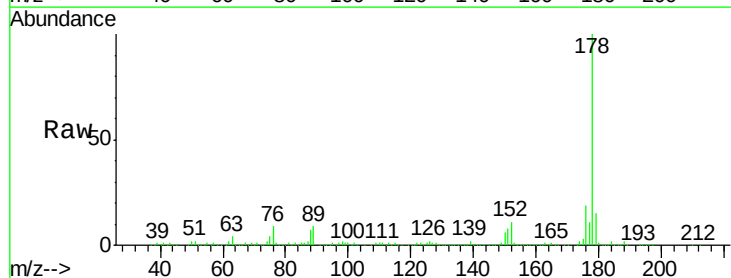


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

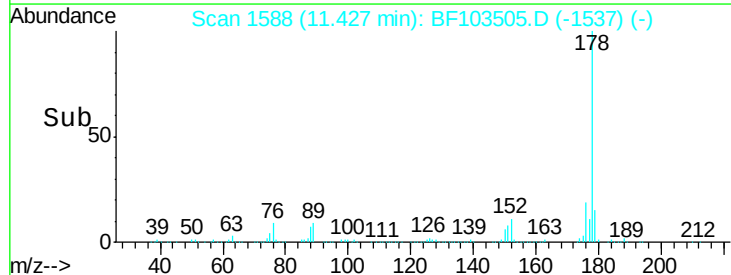
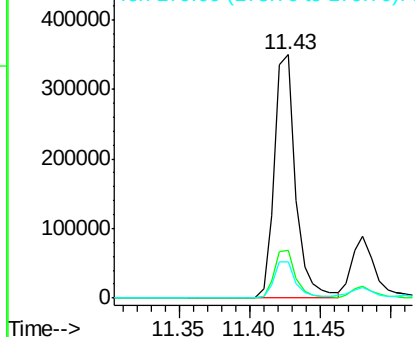


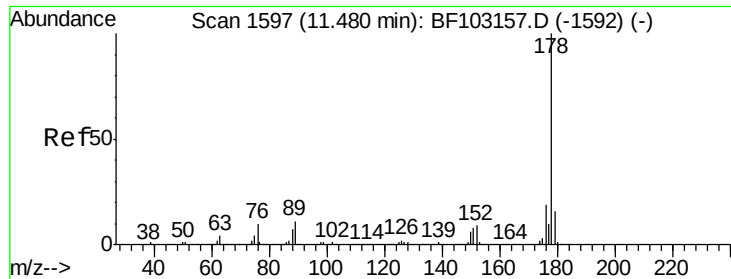
#70
Phenanthrene
Concen: 17.443 ng
RT: 11.43 min Scan# 1588
Delta R.T. 0.00 min
Lab File: BF103505.D
Acq: 7 Mar 2018 17:07

Tgt Ion:178 Resp: 371929
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 14.9 13.0 19.6



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

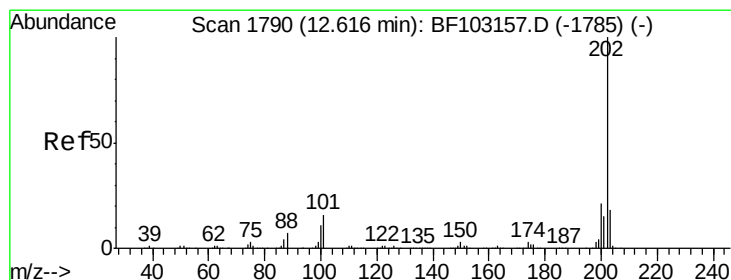
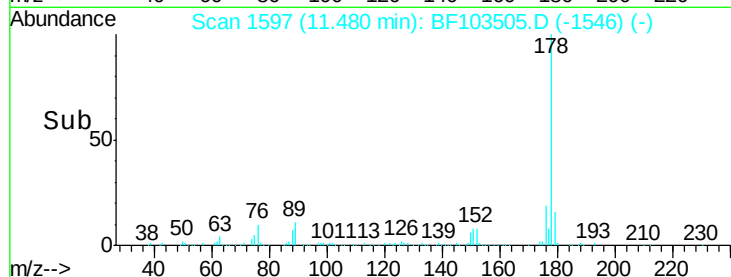
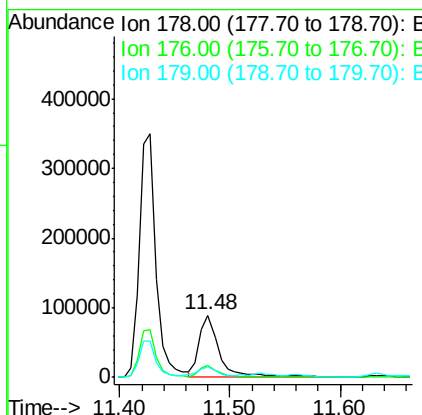
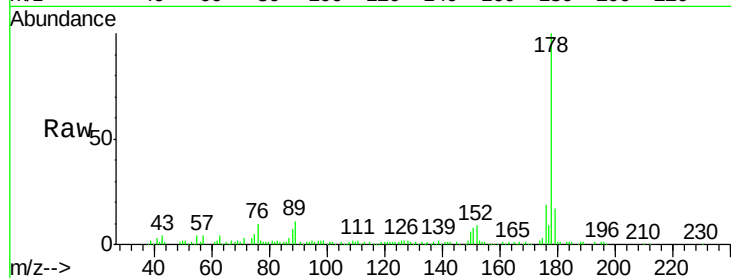




#71
 Anthracene
 Concen: 4.958 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: BF103505.D
 Acq: 7 Mar 2018 17:07

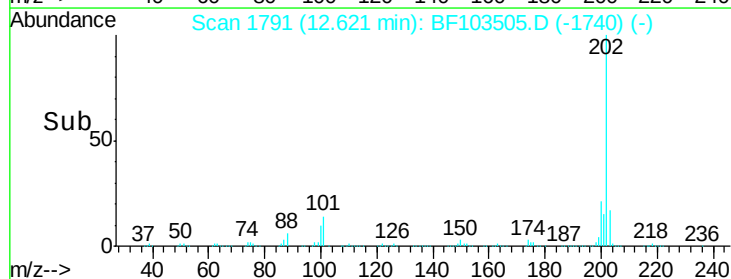
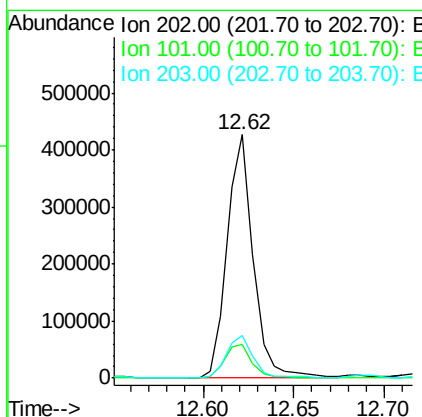
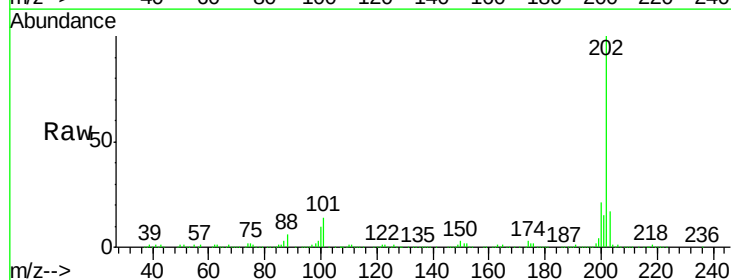
Instrument :
 BNA_F
 ClientSampleId :

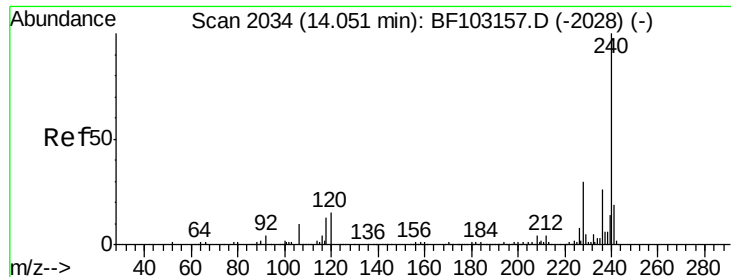
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	16.7	12.6	19.0



#74
 Fluoranthene
 Concen: 20.018 ng
 RT: 12.62 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: BF103505.D
 Acq: 7 Mar 2018 17:07

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	34.1
203	17.4	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: BF103505.D

Acq: 7 Mar 2018 17:07

Instrument :

BNA_F

ClientSampleId :

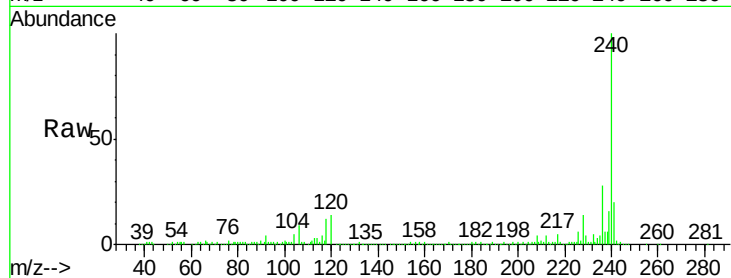
Tot Ion:240 Resp: 245329

Ion Ratio Lower Upper

240 100

120 14.5 9.5 14.3#

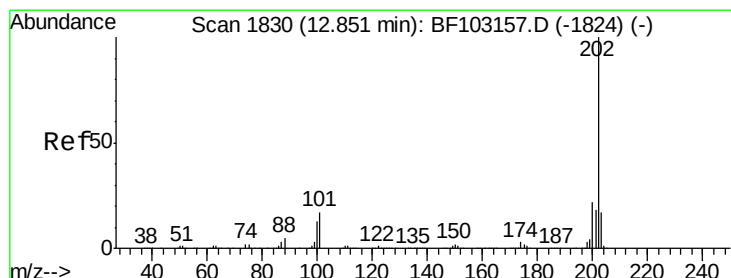
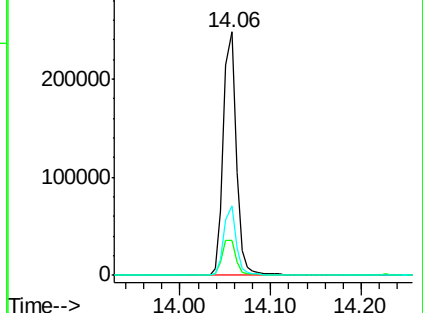
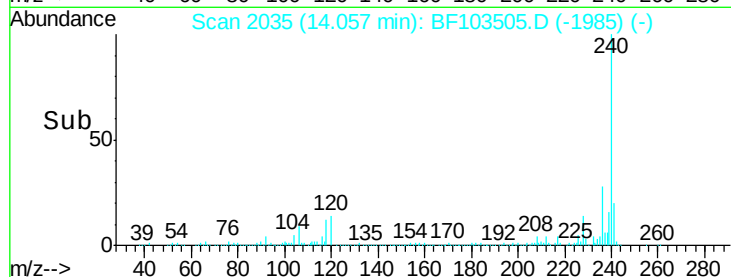
236 28.3 20.7 31.1



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

Pyrene

Concen: 21.205 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF103505.D

Acq: 7 Mar 2018 17:07

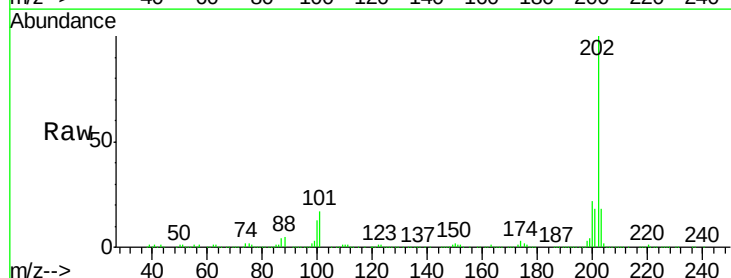
Tgt Ion:202 Resp: 405601

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

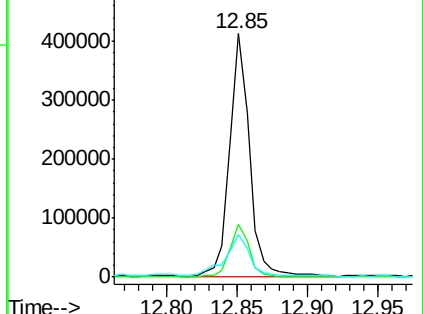
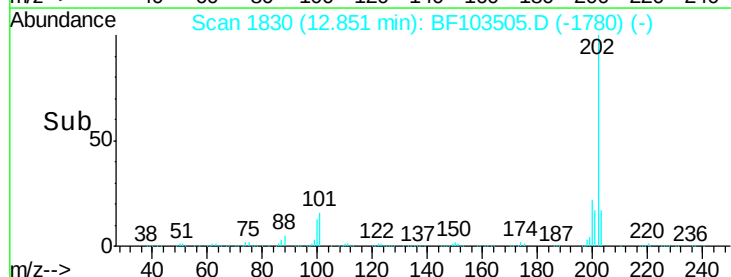
203 17.6 14.3 21.5

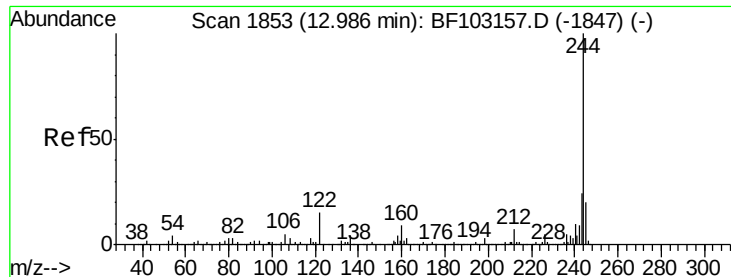


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 73.333 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.00 min

Lab File: BF103505.D

Acq: 7 Mar 2018 17:07

Instrument :

BNA_F

ClientSampled :

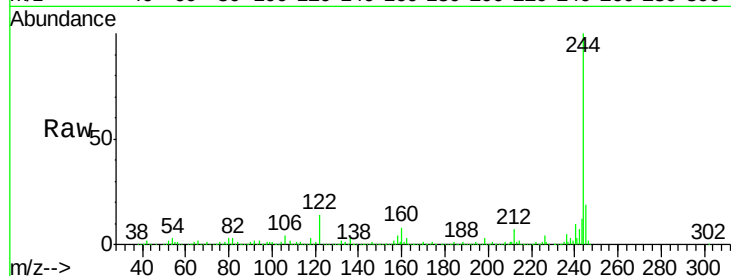
Tot Ion:244 Resp: 748405

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

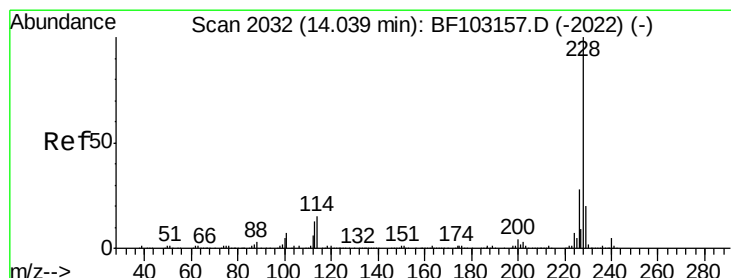
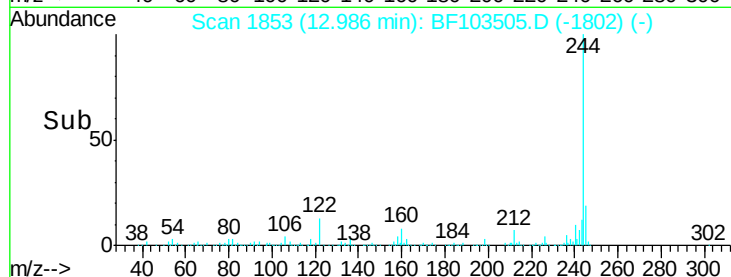
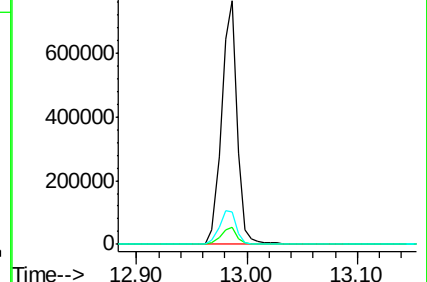
122 13.5 11.0 16.4



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: 12.518 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF103505.D

Acq: 7 Mar 2018 17:07

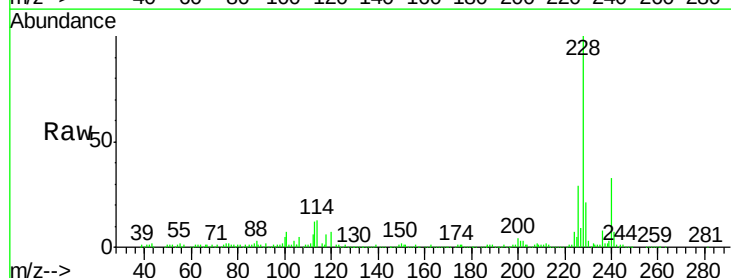
Tgt Ion:228 Resp: 199253

Ion Ratio Lower Upper

228 100

226 29.1 22.6 33.8

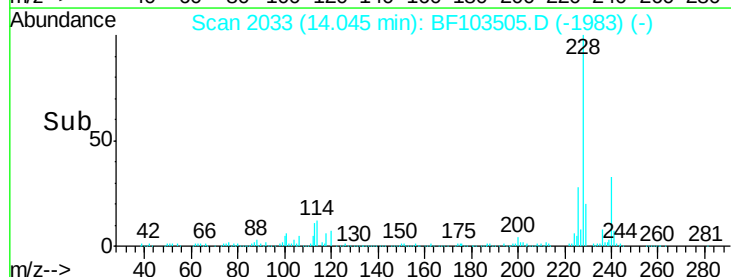
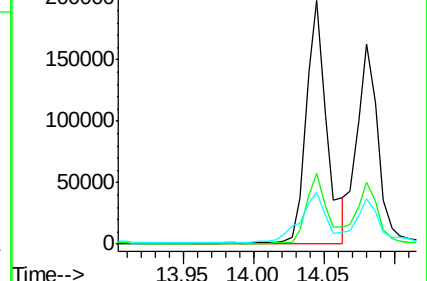
229 21.4 15.8 23.6

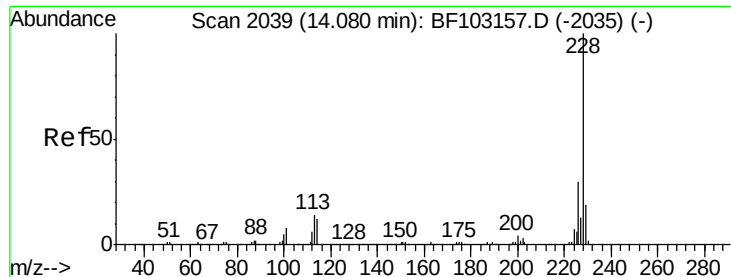


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 10.969 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF103505.D

Acq: 7 Mar 2018 17:07

Instrument :

BNA_F

ClientSampleId :

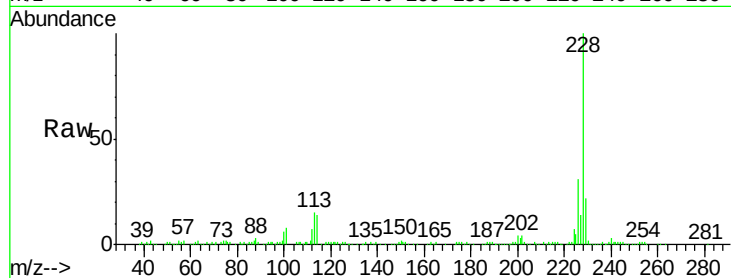
Tot Ion:228 Resp: 169539

Ion Ratio Lower Upper

228 100

226 31.1 25.0 37.6

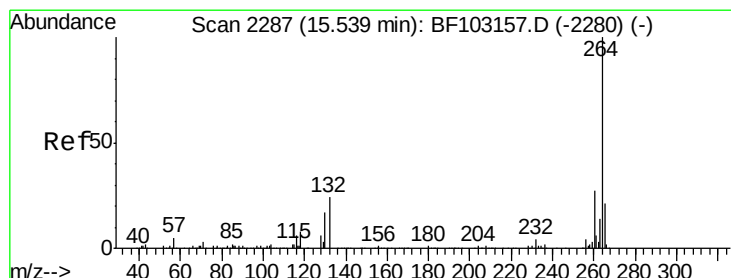
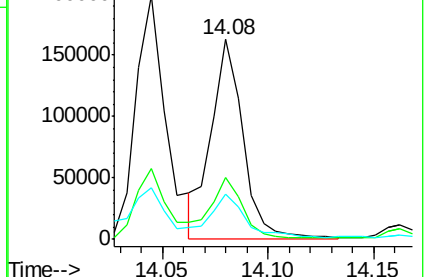
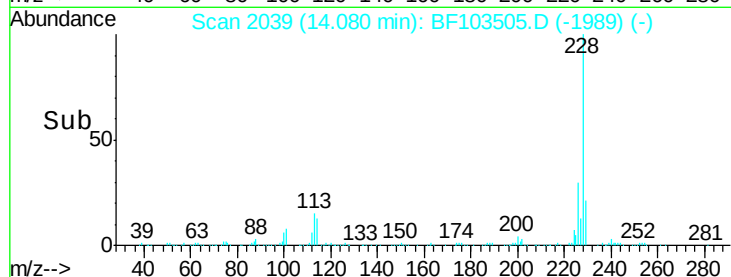
229 22.3 16.2 24.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.56 min Scan# 2291

Delta R.T. 0.00 min

Lab File: BF103505.D

Acq: 7 Mar 2018 17:07

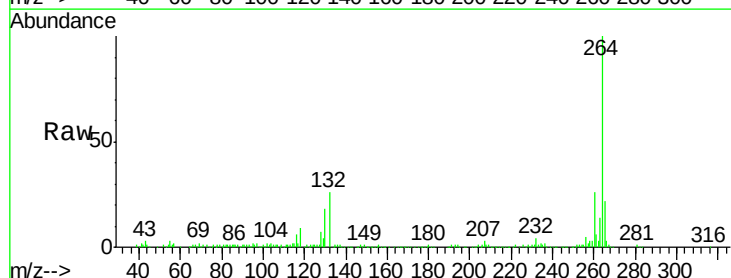
Tgt Ion:264 Resp: 208592

Ion Ratio Lower Upper

264 100

260 26.1 19.2 28.8

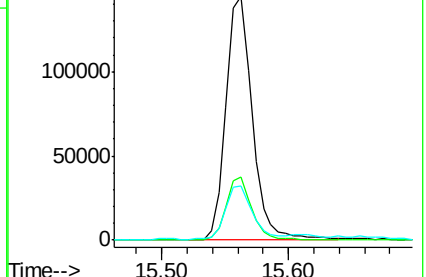
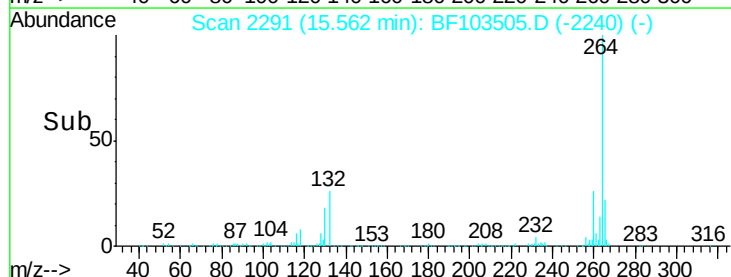
265 22.1 17.5 26.3

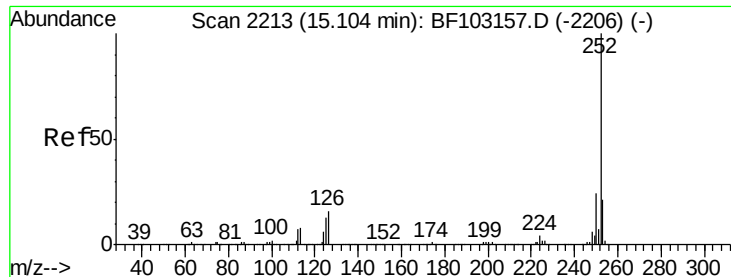


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

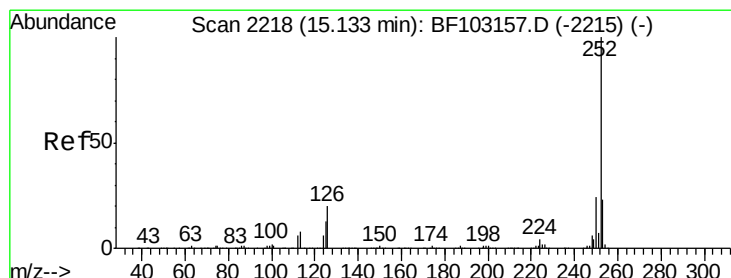
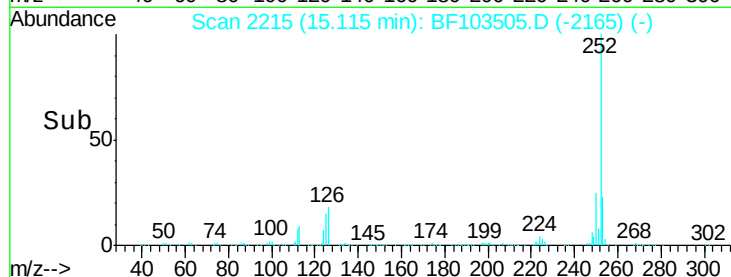
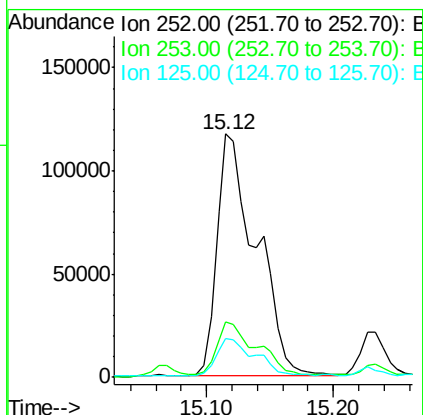
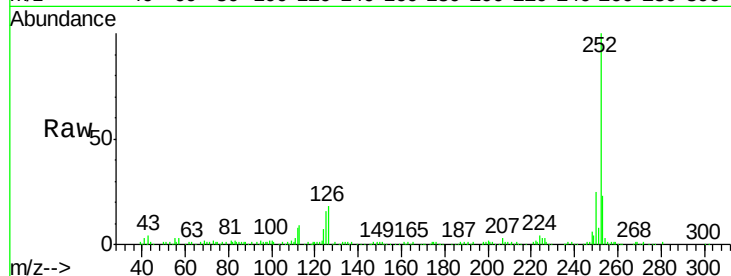




#87
Benzo(b)fluoranthene
Concen: 18.485 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BF103505.D
Acq: 7 Mar 2018 17:07

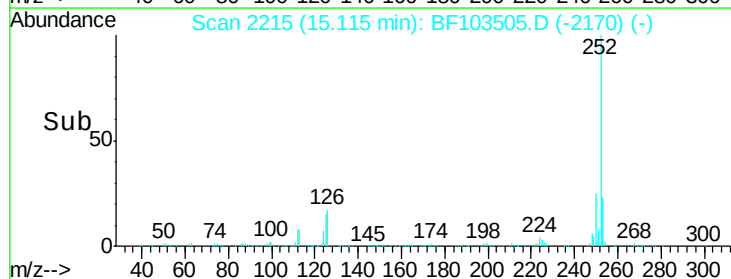
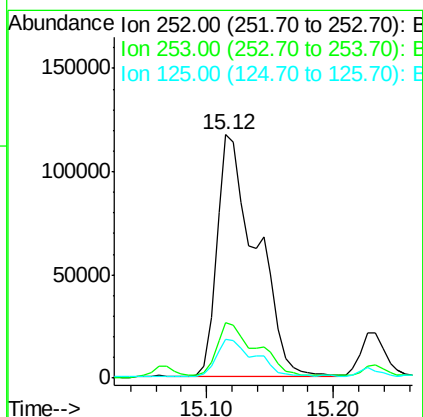
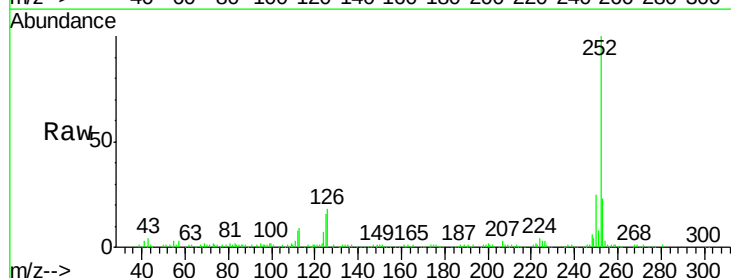
Instrument :
BNA_F
ClientSampleId :

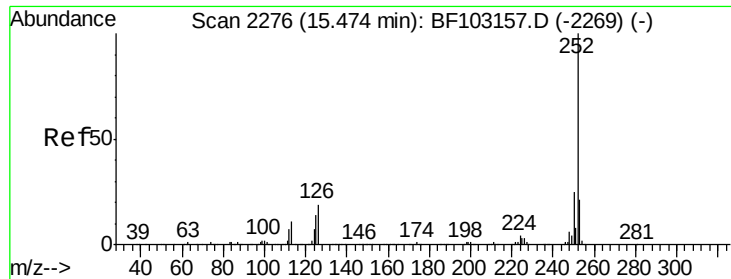
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	16.1	9.0	13.6#



#88
Benzo(k)fluoranthene
Concen: 19.630 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.04 min
Lab File: BF103505.D
Acq: 7 Mar 2018 17:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	16.1	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 10.865 ng

RT: 15.50 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF103505.D

Acq: 7 Mar 2018 17:07

Instrument :

BNA_F

ClientSampleId :

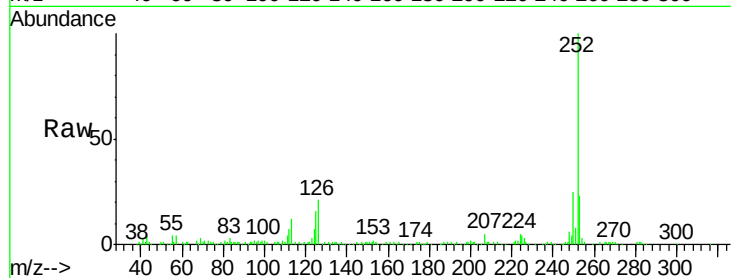
Tot Ion:252 Resp: 133070

Ion Ratio Lower Upper

252 100

253 23.3 17.1 25.7

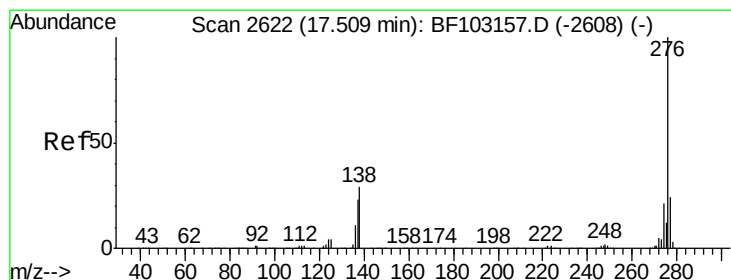
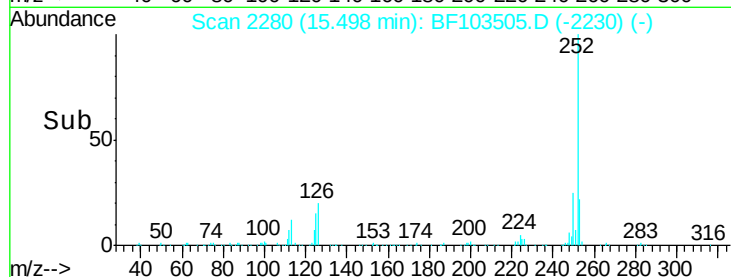
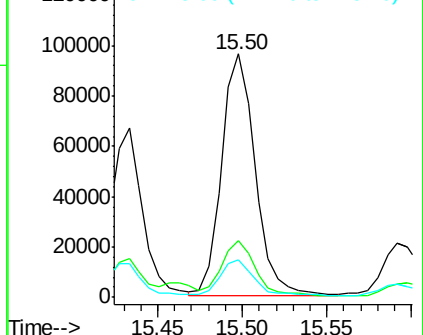
125 15.5 9.8 14.6#



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



#91

Benzo(g,h,i)perylene

Concen: 6.273 ng

RT: 17.57 min Scan# 2632

Delta R.T. -0.01 min

Lab File: BF103505.D

Acq: 7 Mar 2018 17:07

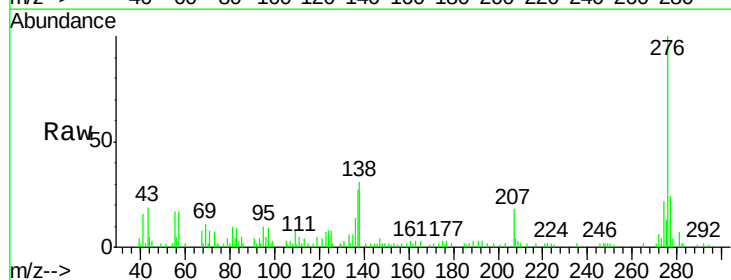
Tgt Ion:276 Resp: 58018

Ion Ratio Lower Upper

276 100

277 24.2 17.9 26.9

138 31.2 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

