

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030718\
 Data File : BF103493.D
 Acq On : 7 Mar 2018 11:49
 Operator : SJ/JU
 Sample : J1722-15
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 07 12:17:13 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	173937	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	708982	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	292242	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	428548	20.00	ng	0.00
75) Chrysene-d12	14.06	240	264301	20.00	ng	0.00
86) Perylene-d12	15.57	264	210633	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	1126104	97.92	ng	0.00
7) Phenol-d6	6.50	99	1353799	96.20	ng	0.00
23) Nitrobenzene-d5	7.43	82	866876	69.83	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	156217	63.15	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1122738	61.95	ng	0.00
78) Terphenyl-d14	12.99	244	702982	63.94	ng	0.00

Target Compounds

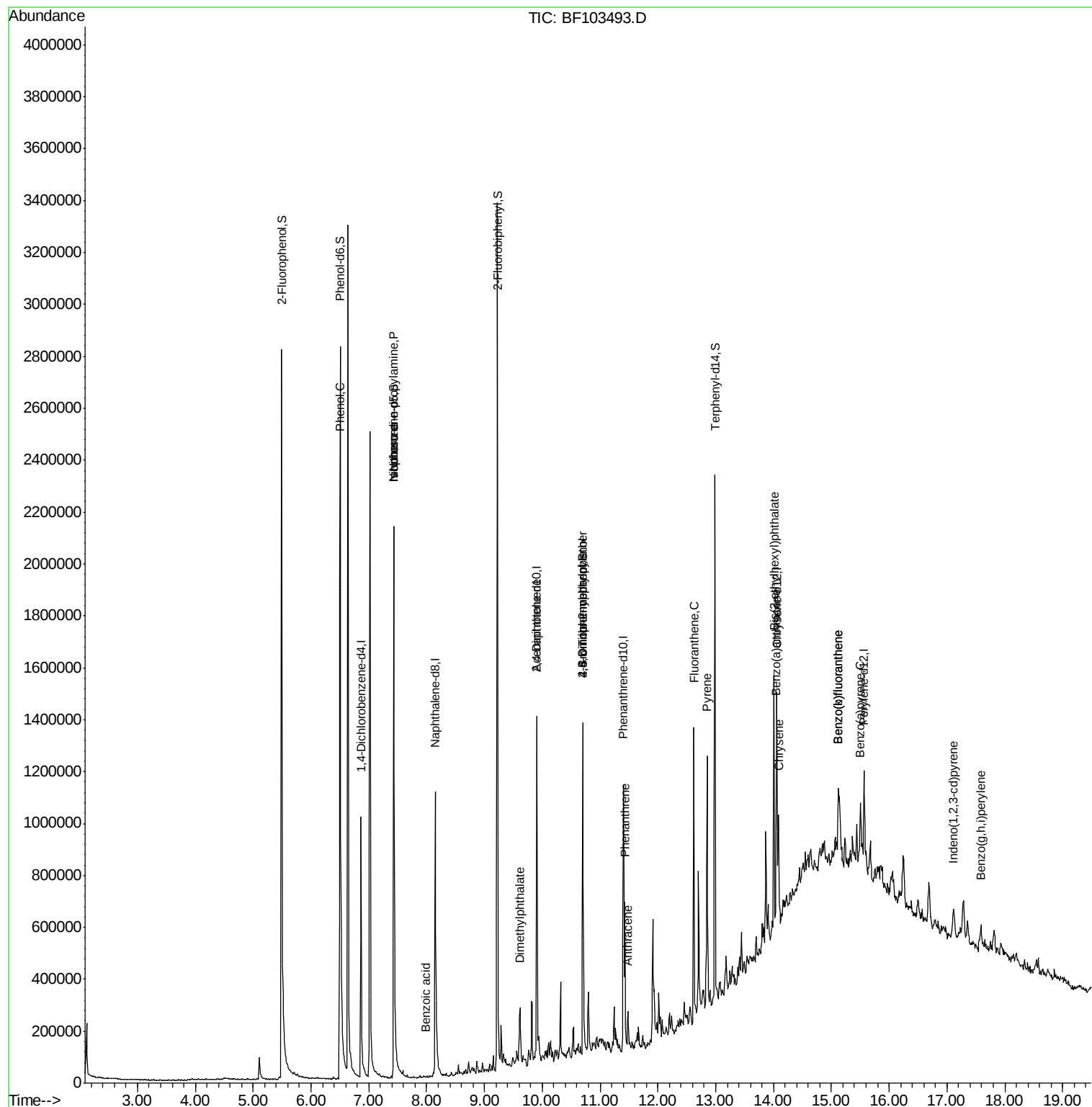
						Qvalue
9) Benzaldehyde	6.46	77	934	Below Cal	#	1
10) Phenol	6.52	94	34954	2.140 ng	#	34
19) n-Nitroso-di-n-propylamine	7.43	70	116458	13.297 ng	#	83
25) Isophorone	7.43	82	866870	35.454 ng	#	64
32) Benzoic acid	7.98	122	109	6.927 ng	#	4
49) Dimethylphthalate	9.62	163	83222	3.550 ng		97
56) 2,4-Dinitrotoluene	9.90	165	41727	6.706 ng	#	23
64) 4,6-Dinitro-2-methylphenol	10.71	198	885	5.250 ng	#	1
66) 4-Bromophenyl-phenylether	10.70	248	10947	2.452 ng	#	1
70) Phenanthrene	11.43	178	227223	9.634 ng		98
71) Anthracene	11.48	178	77240	3.194 ng		97
74) Fluoranthene	12.62	202	439416	18.541 ng		99
77) Pvrene	12.85	202	436367	21.176 ng		99
80) Benzo(a)anthracene	14.04	228	187962	10.961 ng		97
82) Chrysene	14.09	228	181041	10.873 ng		97
83) Bis(2-ethylhexyl)phthalate	14.01	149	284626	19.373 ng		100
85) Indeno(1,2,3-cd)pvrene	17.12	276	65901	4.999 ng		97
87) Benzo(b)fluoranthene	15.13	252	252244	18.214 ng	#	88
88) Benzo(k)fluoranthene	15.13	252	252244	19.342 ng	#	91
89) Benzo(a)pvrene	15.50	252	128633	10.401 ng	#	89
91) Benzo(a,h,i)perylene	17.59	276	63804	6.831 ng	#	85

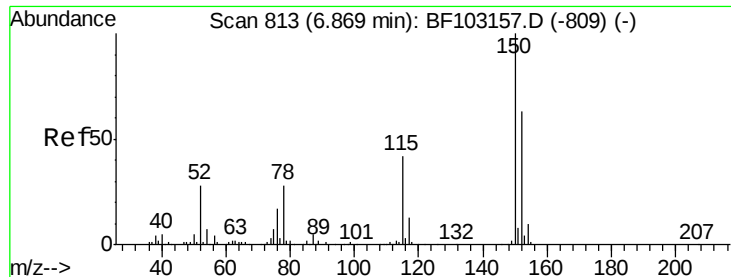
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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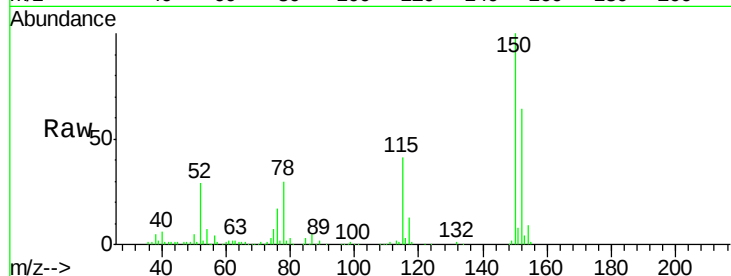


#1

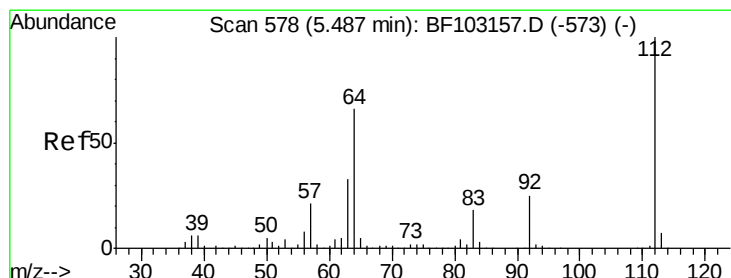
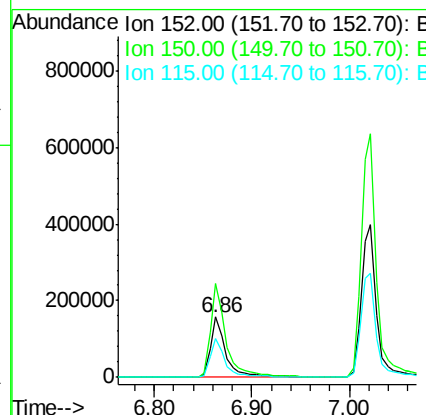
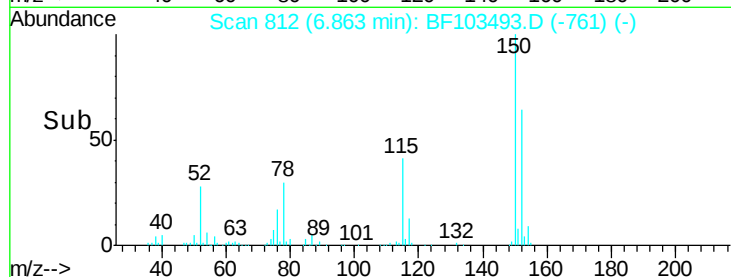
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF103493.D
Acq: 7 Mar 2018 11:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 173937
Ion Ratio Lower Upper
152 100
150 156.3 124.6 186.8
115 64.8 50.1 75.1



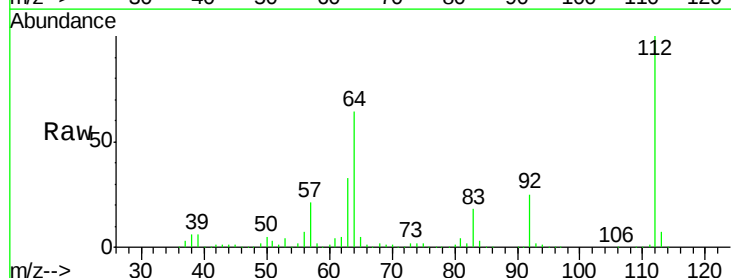
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



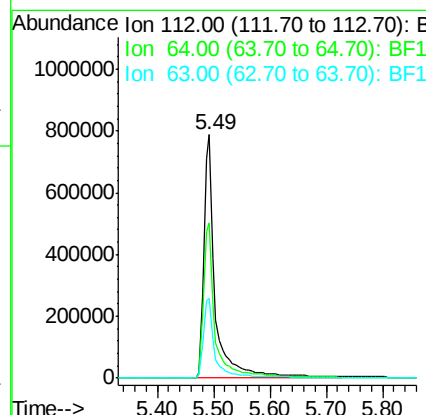
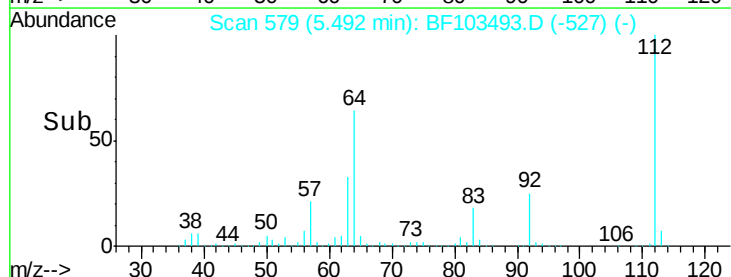
#5

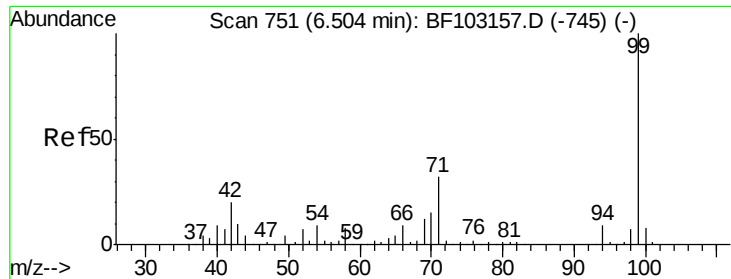
2-Fluorophenol
Concen: 97.918 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF103493.D
Acq: 7 Mar 2018 11:49

Tgt Ion:112 Resp: 1126104
Ion Ratio Lower Upper
112 100
64 64.0 47.9 71.9
63 32.9 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: 96.201 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF103493.D

Acq: 7 Mar 2018 11:49

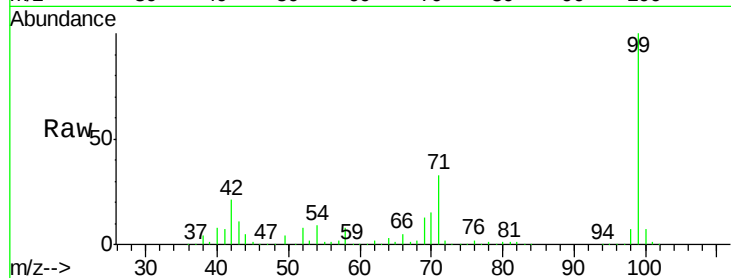
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1353799

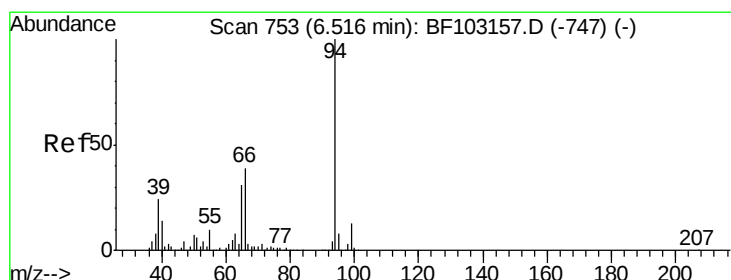
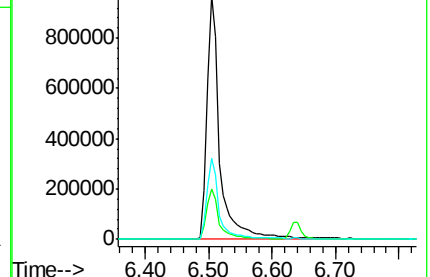
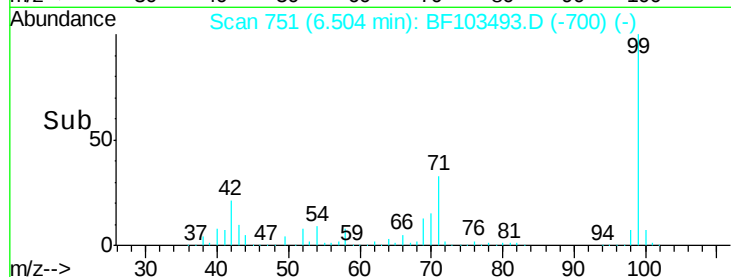
Ion	Ratio	Lower	Upper
99	100		
42	20.9	14.5	21.7
71	33.5	25.4	38.0



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



#10

Phenol

Concen: 2.140 ng

RT: 6.52 min Scan# 753

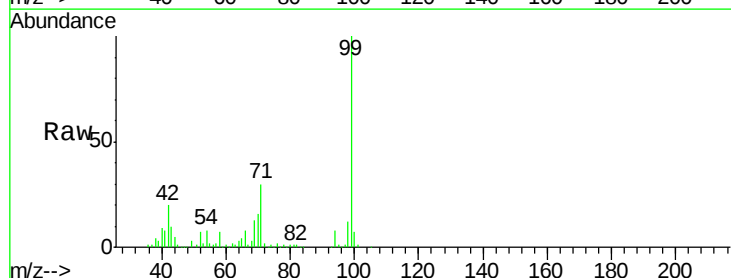
Delta R.T. -0.01 min

Lab File: BF103493.D

Acq: 7 Mar 2018 11:49

Tgt Ion: 94 Resp: 34954

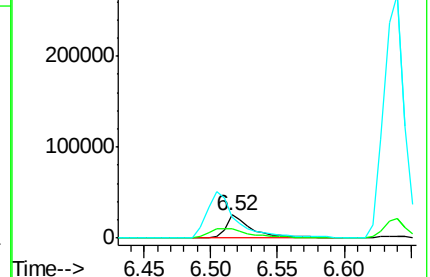
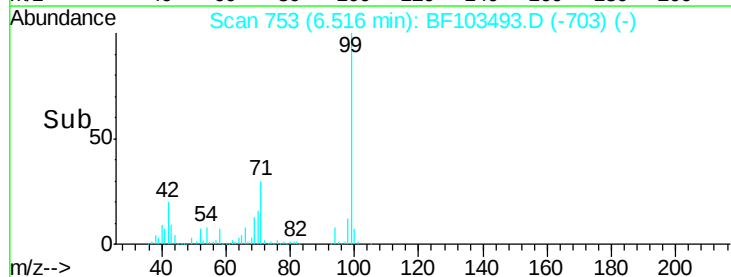
Ion	Ratio	Lower	Upper
94	100		
65	42.8	7.9	47.9
66	91.7	16.2	56.2

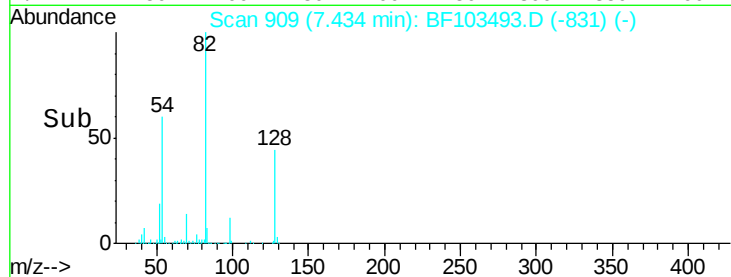
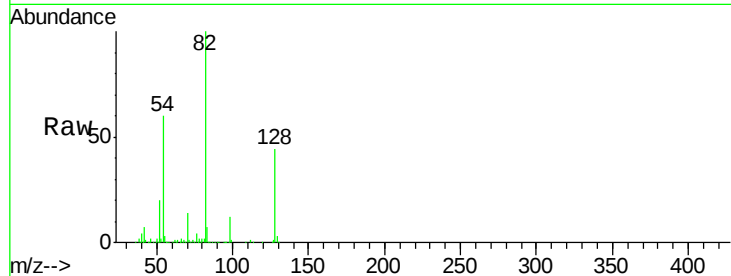
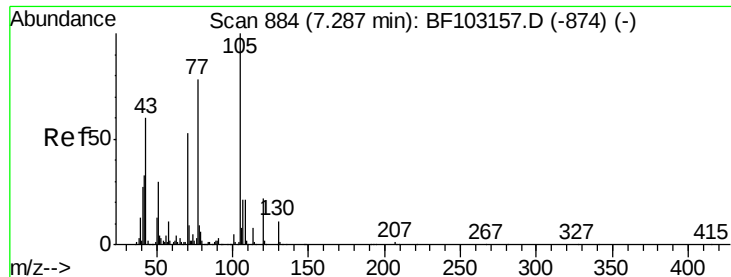


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

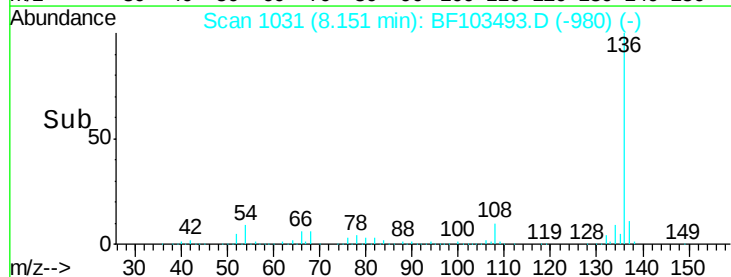
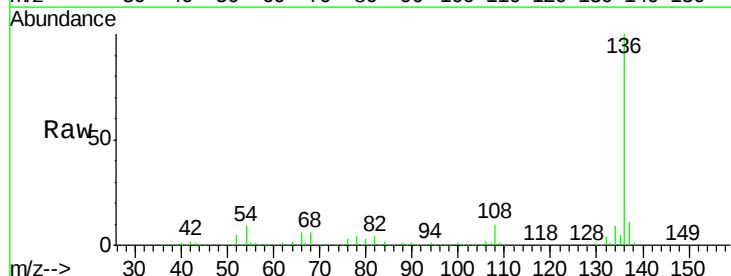
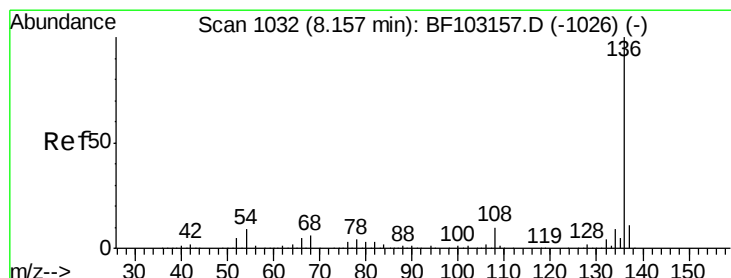
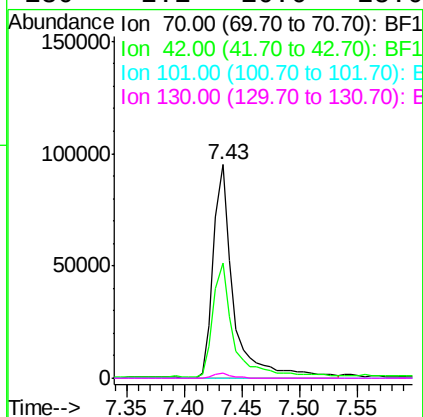




#19
n-Nitroso-di-n-propylamine
Concen: 13.297 ng
RT: 7.43 min Scan# 909
Delta R.T. 0.16 min
Lab File: BF103493.D
Acq: 7 Mar 2018 11:49

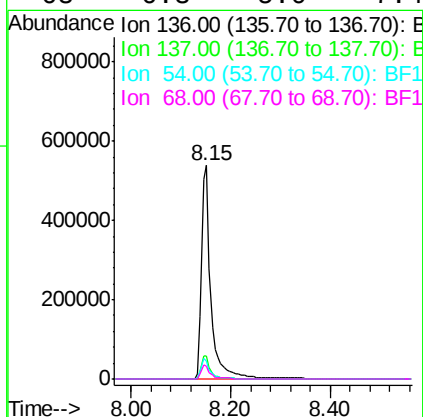
Instrument :
BNA_F
ClientSampleId :

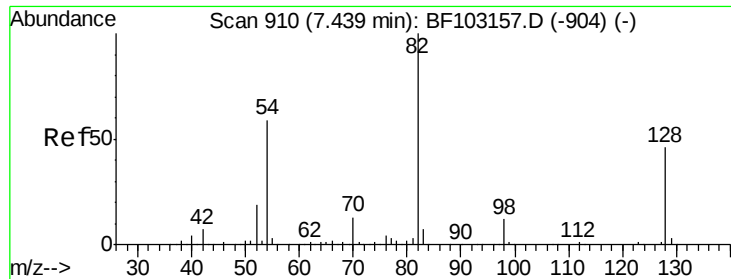
Tot Ion: 70 Resp: 116458
Ion Ratio Lower Upper
70 100
42 54.0 47.5 71.3
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BF103493.D
Acq: 7 Mar 2018 11:49

Tgt Ion: 136 Resp: 708982
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 8.7 6.6 9.8
68 6.3 5.0 7.4

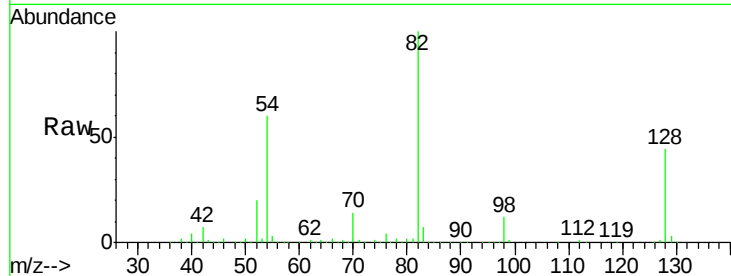




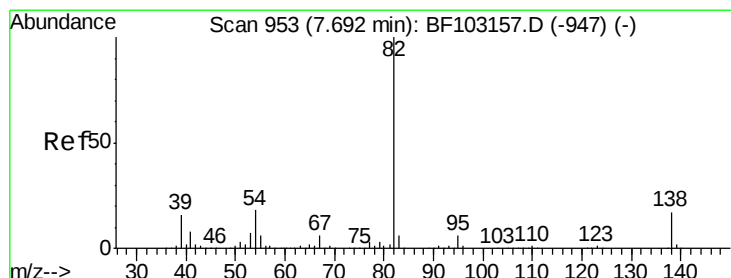
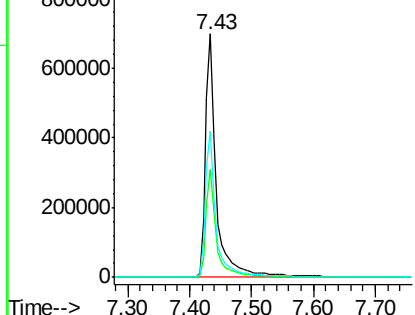
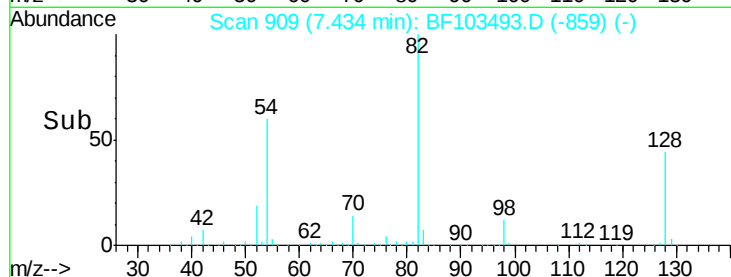
#23
Nitrobenzene-d5
Concen: 69.827 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103493.D
Acq: 7 Mar 2018 11:49

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 866876
Ion Ratio Lower Upper
82 100
128 44.2 36.1 54.1
54 60.3 41.4 62.2

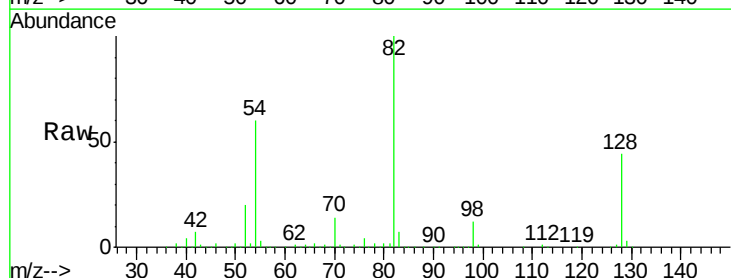


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

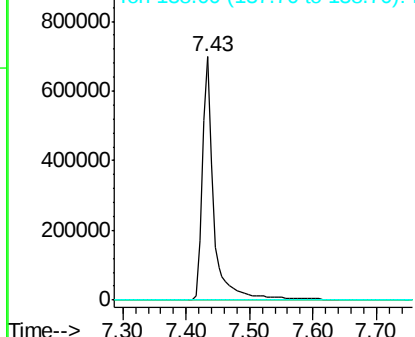
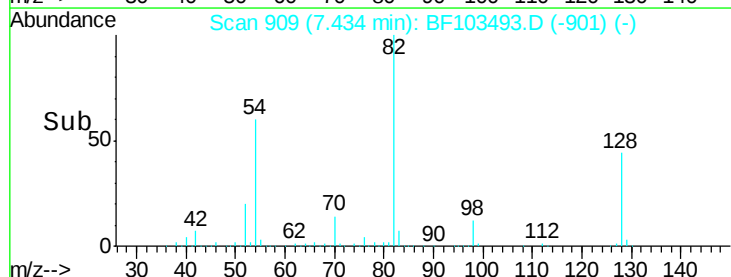


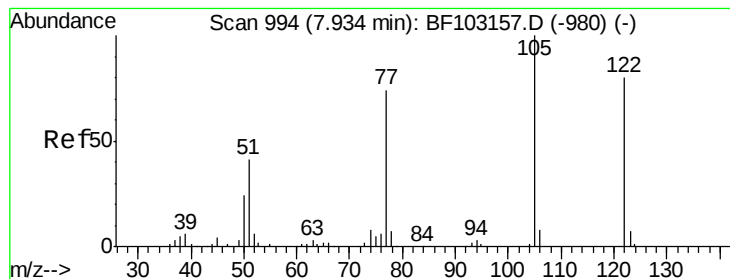
#25
Isophorone
Concen: 35.454 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.25 min
Lab File: BF103493.D
Acq: 7 Mar 2018 11:49

Tgt Ion: 82 Resp: 866870
Ion Ratio Lower Upper
82 100
95 0.1 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: 6.927 ng

RT: 7.98 min Scan# 1002

Delta R.T. 0.02 min

Lab File: BF103493.D

Acq: 7 Mar 2018 11:49

Instrument :

BNA_F

ClientSampled :

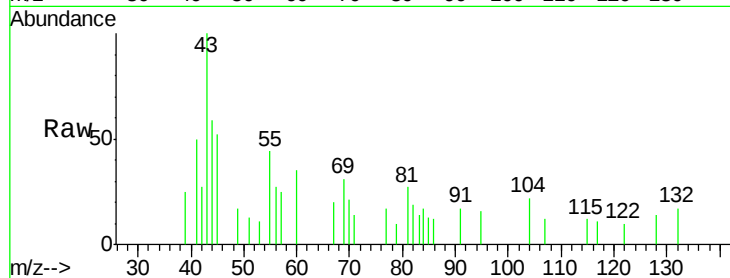
Tot Ion:122 Resp: 109

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

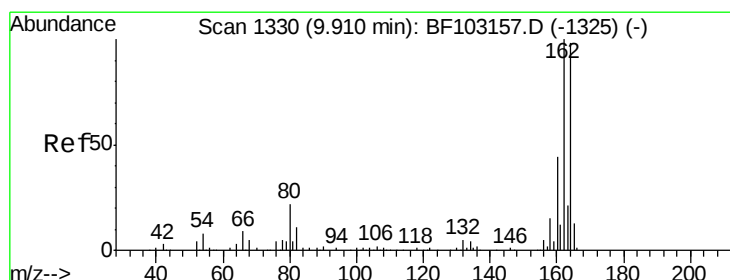
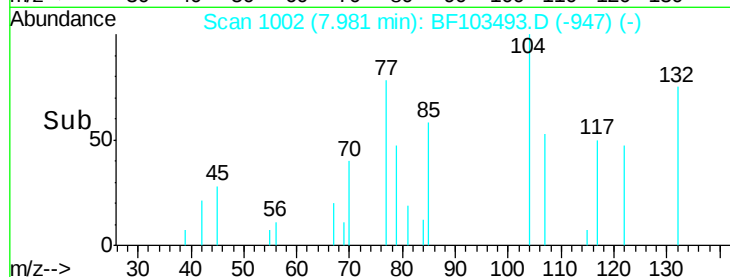
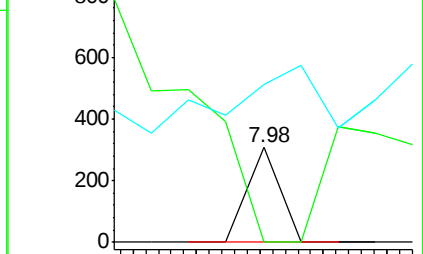
77 165.9 70.7 110.7#



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: BF103493.D

Acq: 7 Mar 2018 11:49

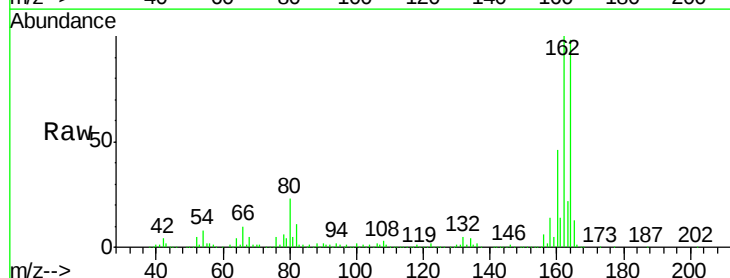
Tgt Ion:164 Resp: 292242

Ion Ratio Lower Upper

164 100

162 102.0 86.1 129.1

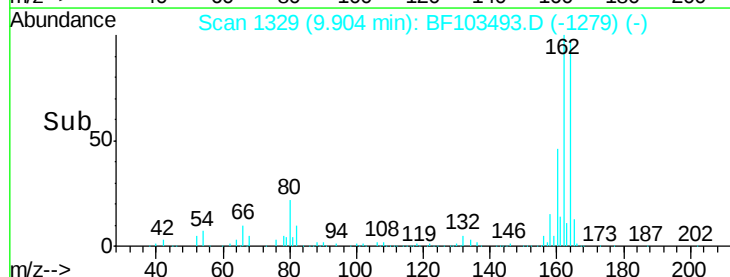
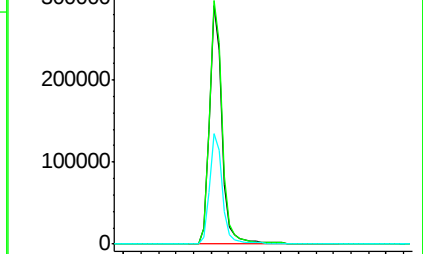
160 46.4 38.3 57.5

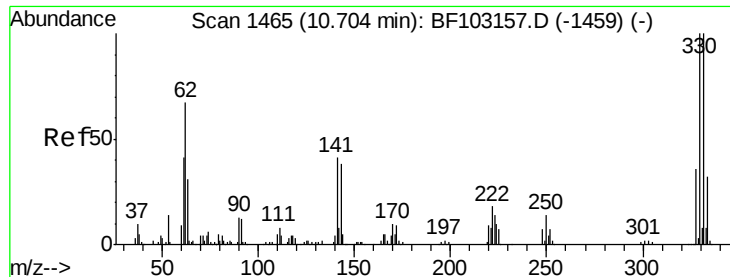


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

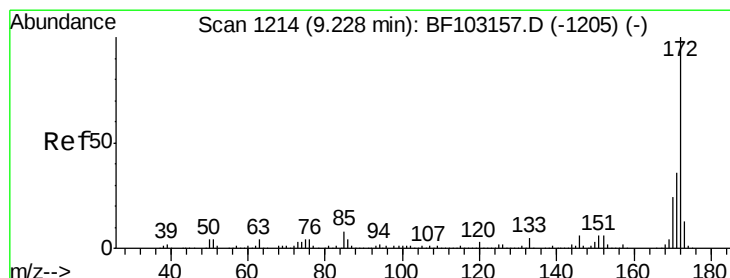
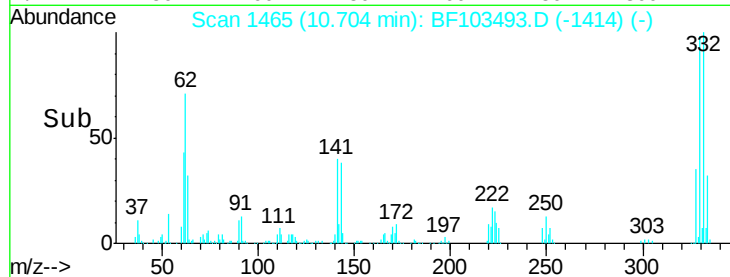
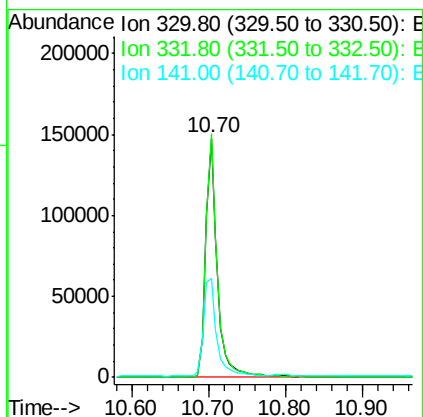
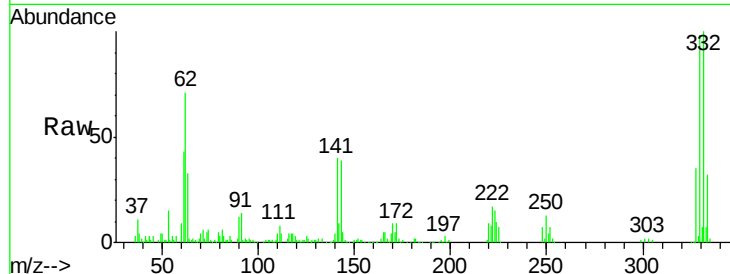




#41
 2,4,6-Tribromophenol
 Concen: 63.152 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: BF103493.D
 Acq: 7 Mar 2018 11:49

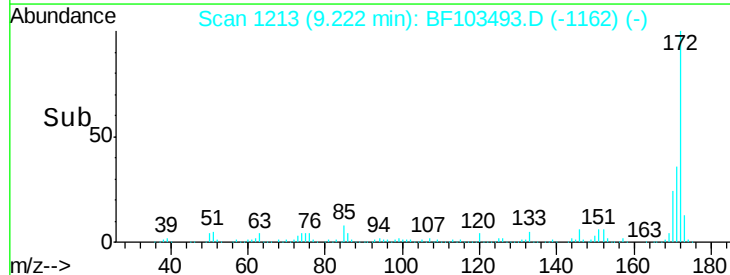
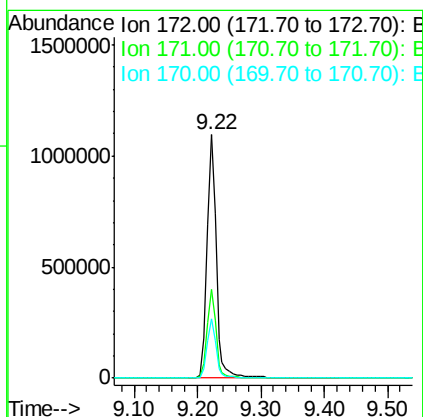
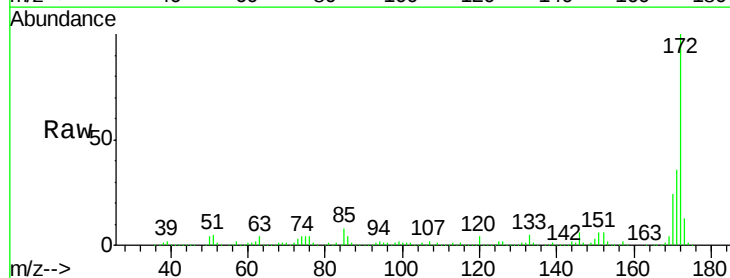
Instrument :
 BNA_F
 ClientSampleId :

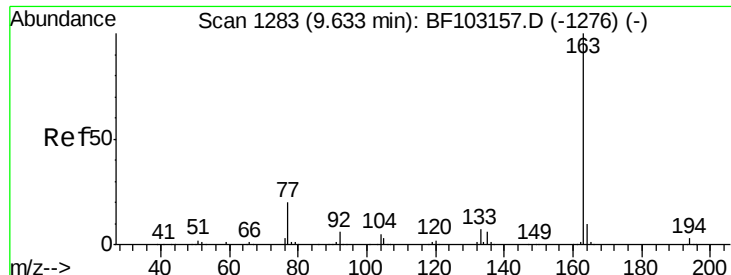
Tot Ion	Ratio	Lower	Upper
330	100		
332	100.9	77.0	115.6
141	45.8	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 61.955 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. 0.00 min
 Lab File: BF103493.D
 Acq: 7 Mar 2018 11:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.3	19.6	29.4

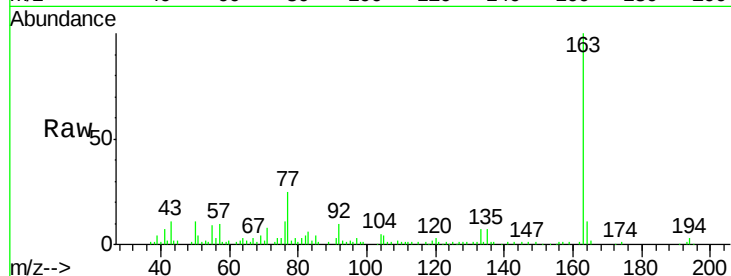




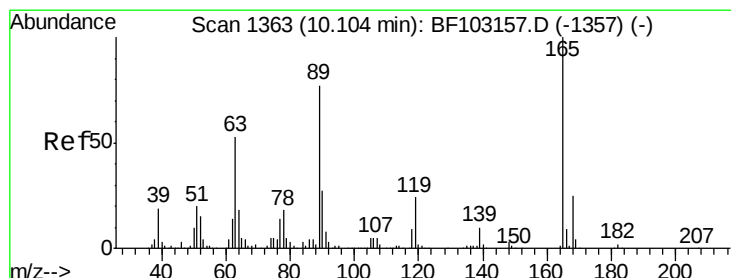
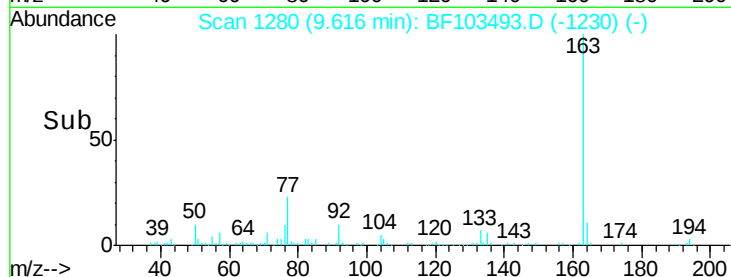
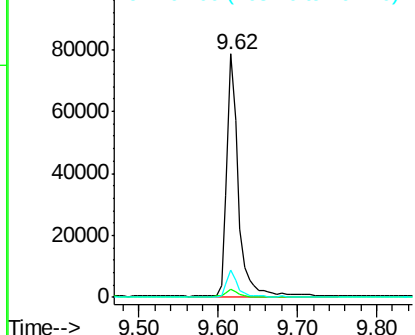
#49
Dimethylphthalate
Concen: 3.550 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BF103493.D
Acq: 7 Mar 2018 11:49

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 83222
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 11.4 8.2 12.2

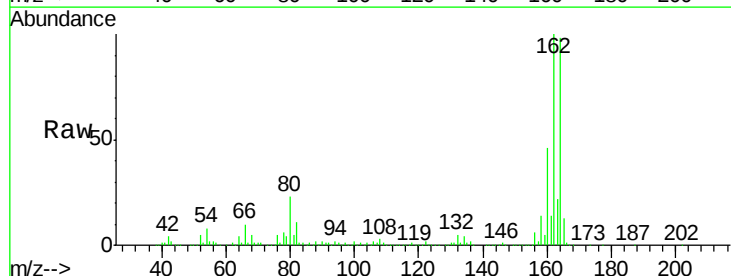


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

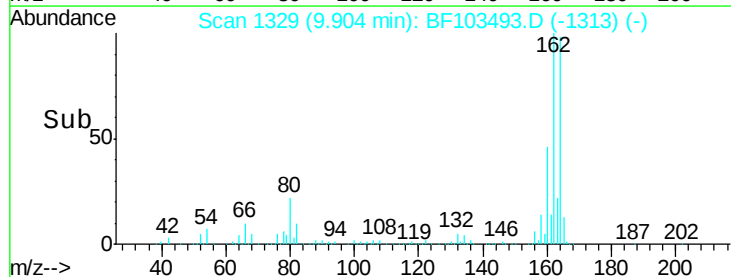
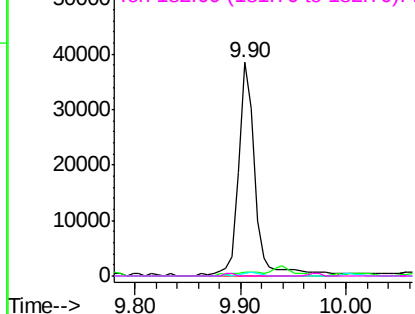


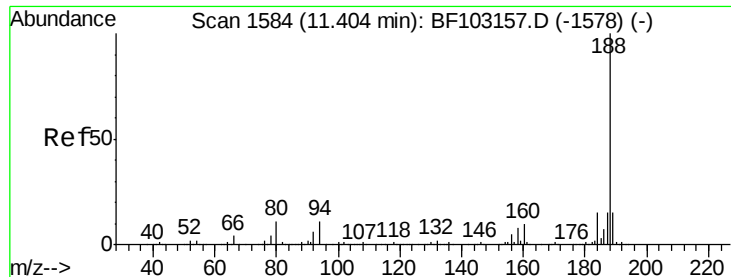
#56
2,4-Dinitrotoluene
Concen: 6.706 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.21 min
Lab File: BF103493.D
Acq: 7 Mar 2018 11:49

Tgt Ion:165 Resp: 41727
Ion Ratio Lower Upper
165 100
63 1.8 36.4 54.6#
89 1.2 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

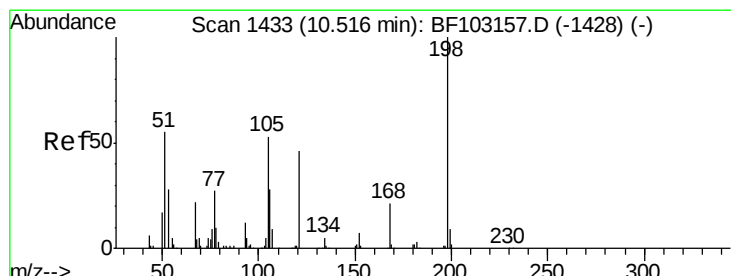
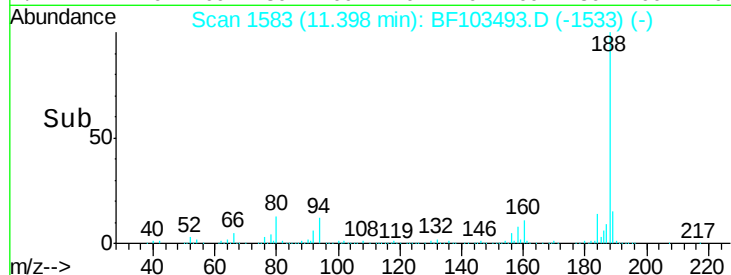
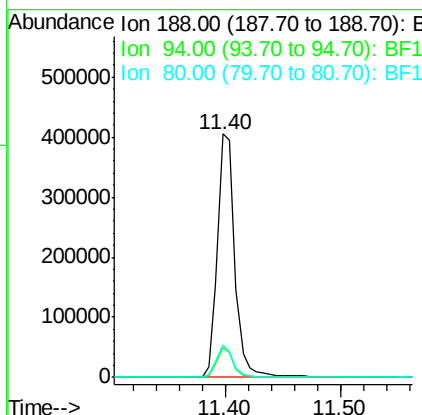
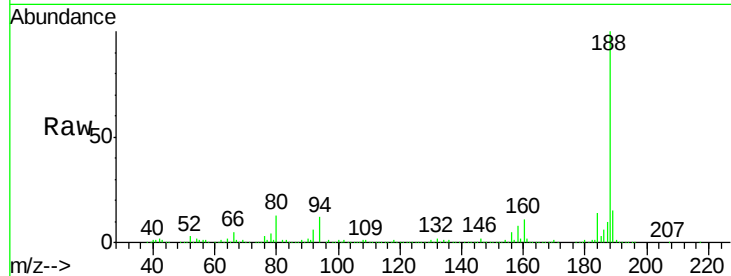




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF103493.D
Acq: 7 Mar 2018 11:49

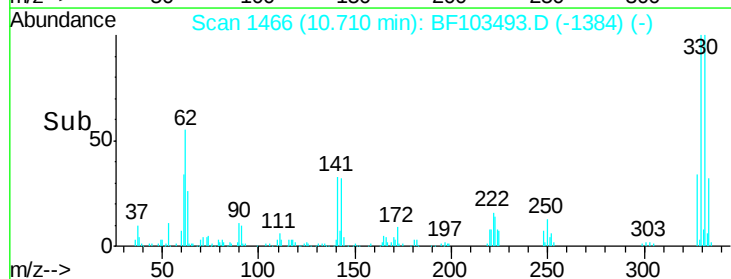
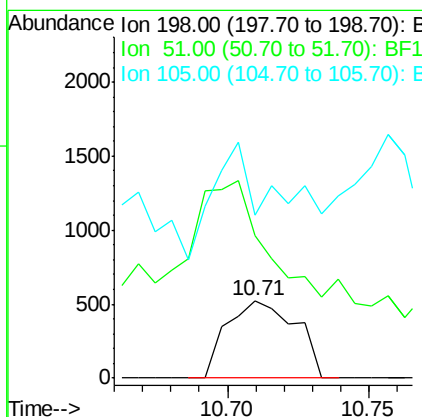
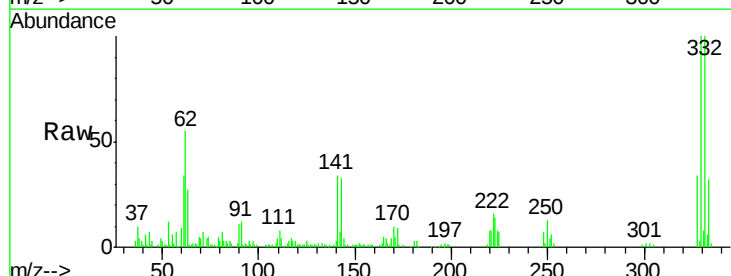
Instrument :
BNA_F
ClientSampleId :

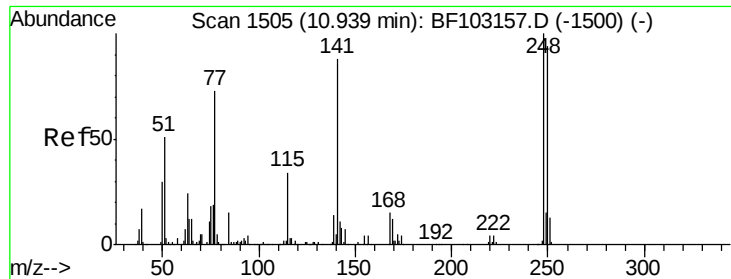
Tot Ion:188 Resp: 428548
Ion Ratio Lower Upper
188 100
94 12.5 8.5 12.7
80 13.2 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.250 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.18 min
Lab File: BF103493.D
Acq: 7 Mar 2018 11:49

Tgt Ion:198 Resp: 885
Ion Ratio Lower Upper
198 100
51 184.9 37.7 77.7#
105 210.7 36.3 76.3#

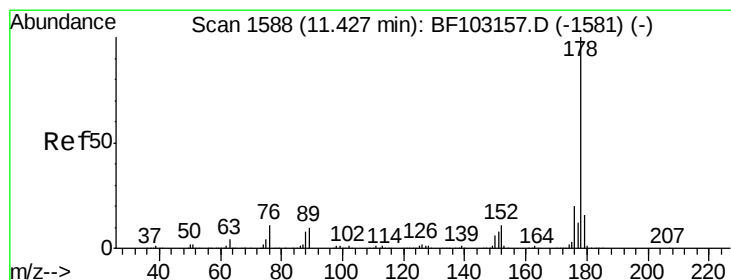
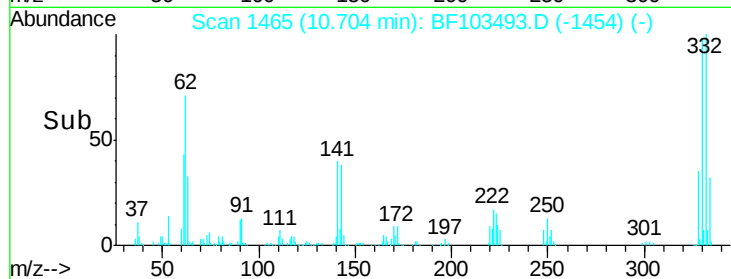
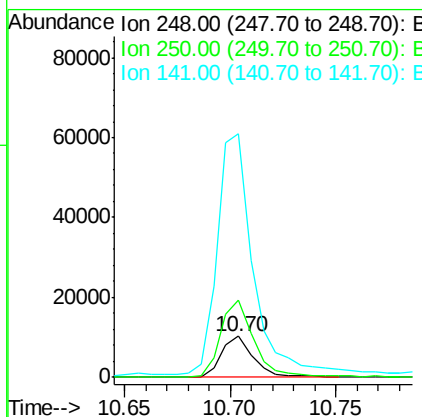
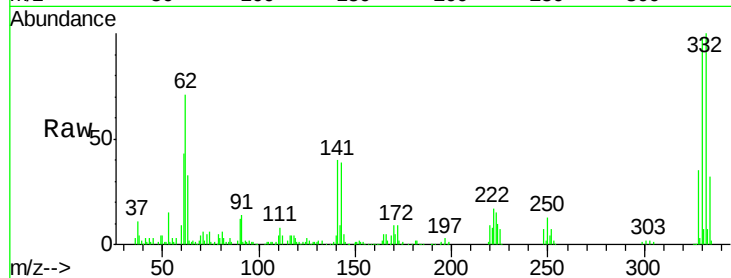




#66
 4-Bromophenyl-phenylether
 Concen: 2.452 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.24 min
 Lab File: BF103493.D
 Acq: 7 Mar 2018 11:49

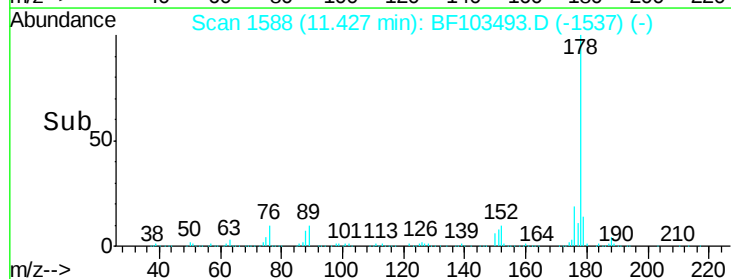
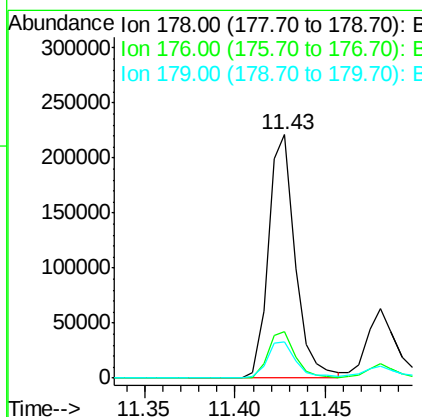
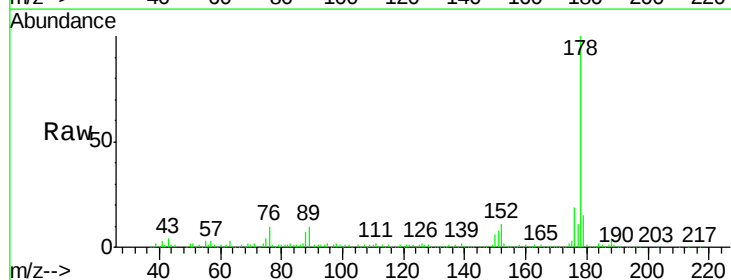
Instrument :
 BNA_F
 ClientSampleId :

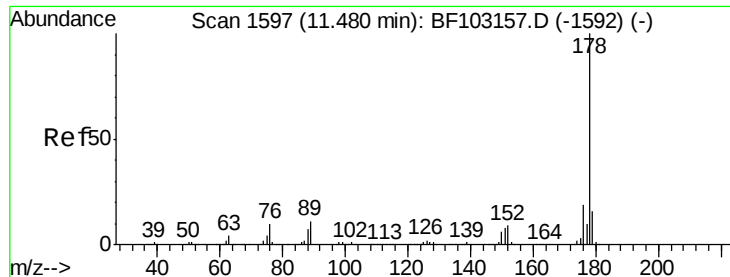
Tot Ion:248 Resp: 10947
 Ion Ratio Lower Upper
 248 100
 250 187.7 76.9 115.3#
 141 594.3 74.4 111.6#



#70
 Phenanthrene
 Concen: 9.634 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: BF103493.D
 Acq: 7 Mar 2018 11:49

Tgt Ion:178 Resp: 227223
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.8 23.8
 179 14.7 13.0 19.6

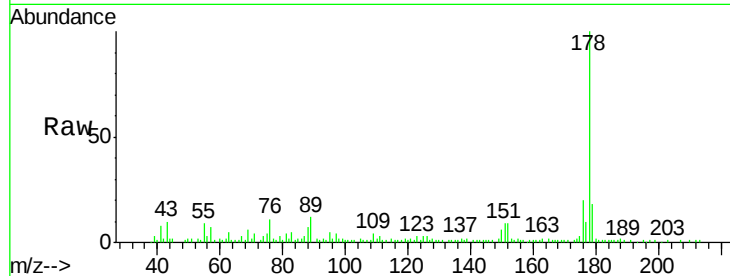




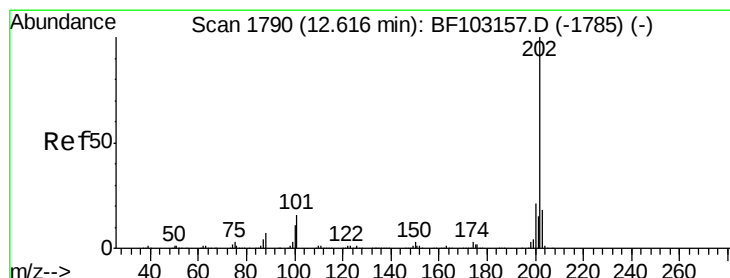
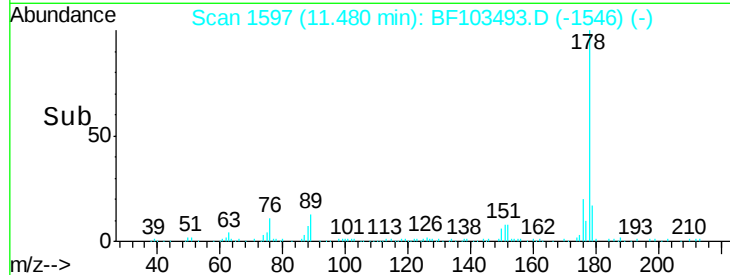
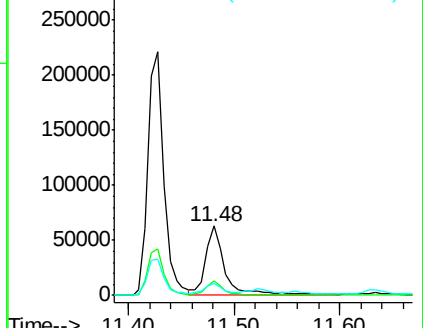
#71
 Anthracene
 Concen: 3.194 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: BF103493.D
 Acq: 7 Mar 2018 11:49

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:178 Resp: 77240
 Ion Ratio Lower Upper
 178 100
 176 20.2 15.4 23.2
 179 18.0 12.6 19.0

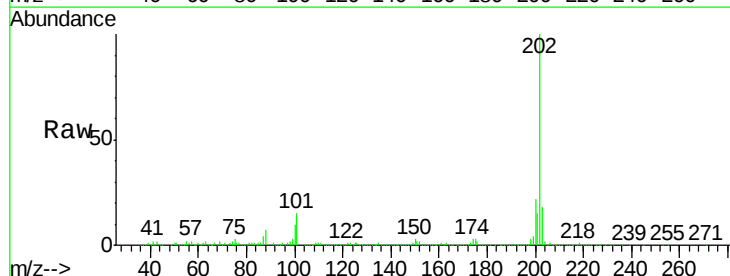


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

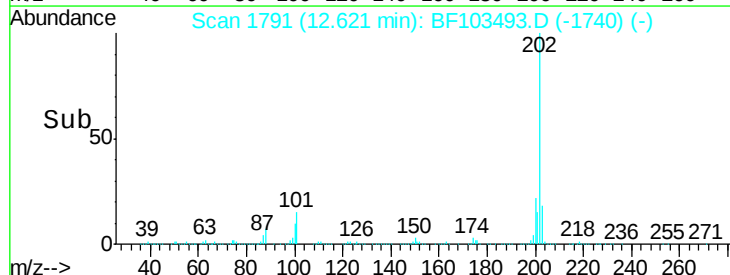
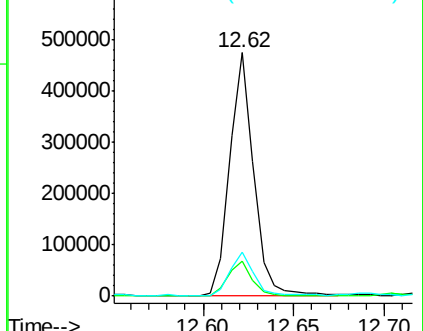


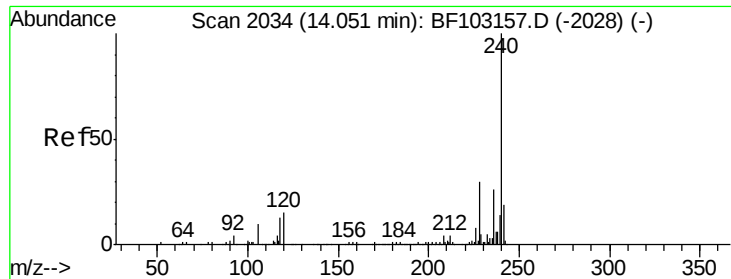
#74
 Fluoranthene
 Concen: 18.541 ng
 RT: 12.62 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: BF103493.D
 Acq: 7 Mar 2018 11:49

Tgt Ion:202 Resp: 439416
 Ion Ratio Lower Upper
 202 100
 101 14.6 0.0 34.1
 203 18.0 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# 2035

Delta R.T. -0.01 min

Lab File: BF103493.D

Acq: 7 Mar 2018 11:49

Instrument :

BNA_F

ClientSampleId :

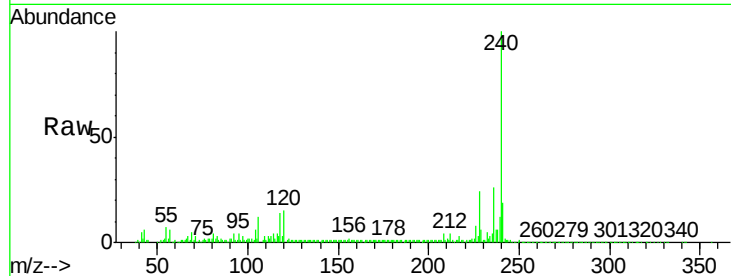
Tot Ion:240 Resp: 264301

Ion Ratio Lower Upper

240 100

120 15.2 9.5 14.3#

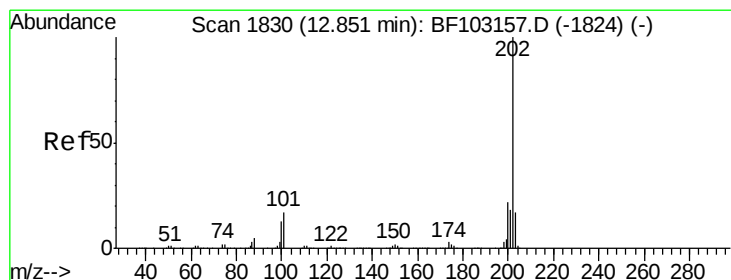
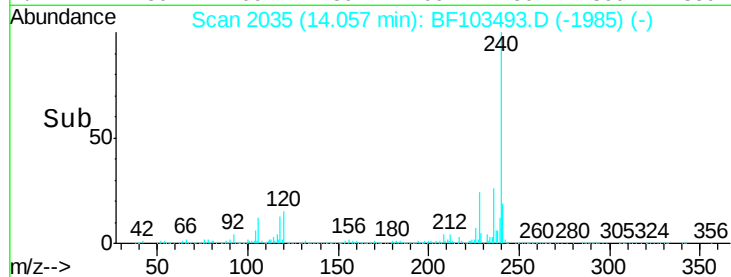
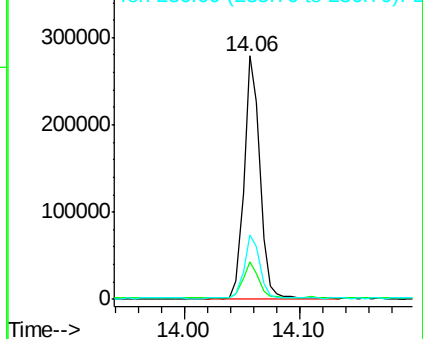
236 26.5 20.7 31.1



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: 21.176 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF103493.D

Acq: 7 Mar 2018 11:49

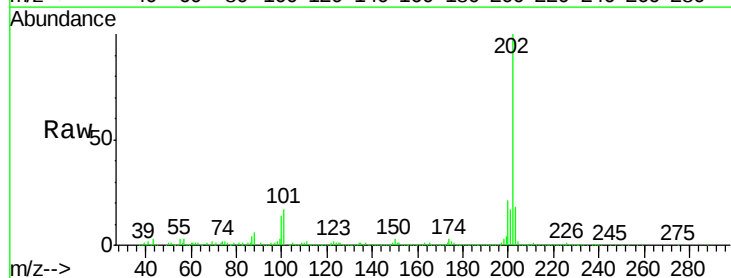
Tgt Ion:202 Resp: 436367

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

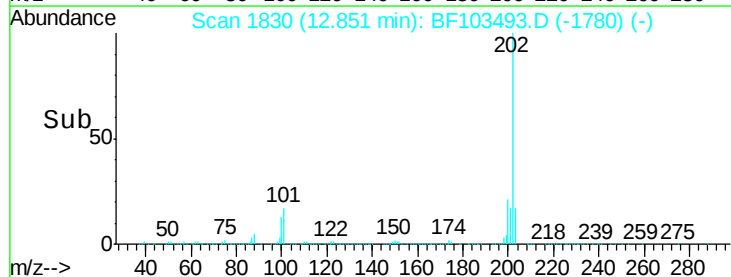
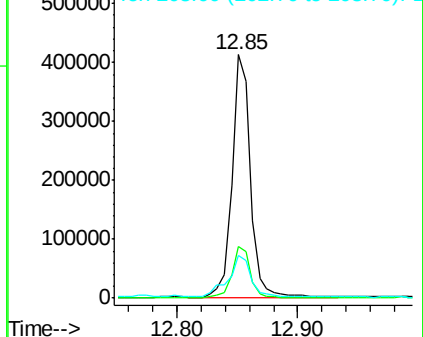
203 17.5 14.3 21.5

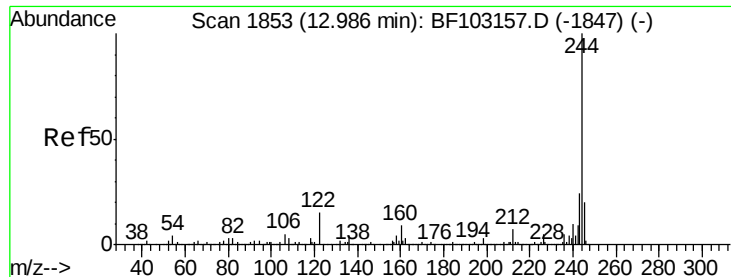


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 63.938 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.00 min

Lab File: BF103493.D

Acq: 7 Mar 2018 11:49

Instrument :

BNA_F

ClientSampleId :

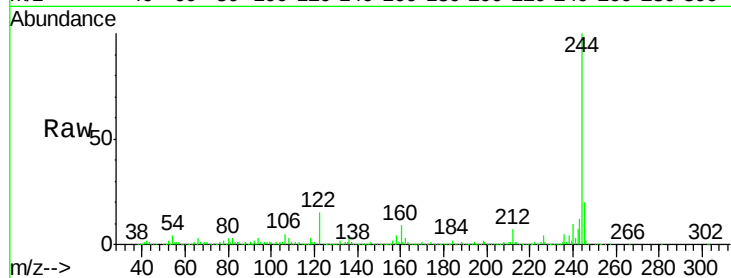
Tot Ion:244 Resp: 702982

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

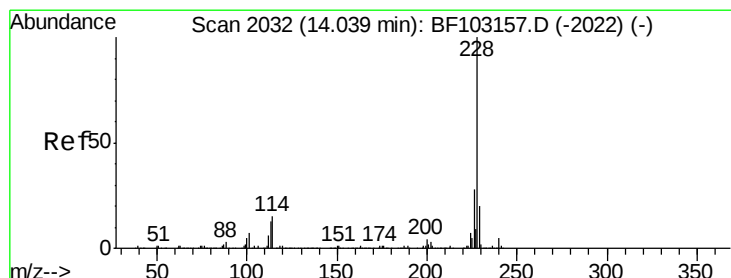
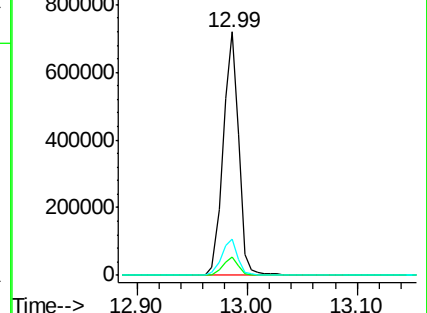
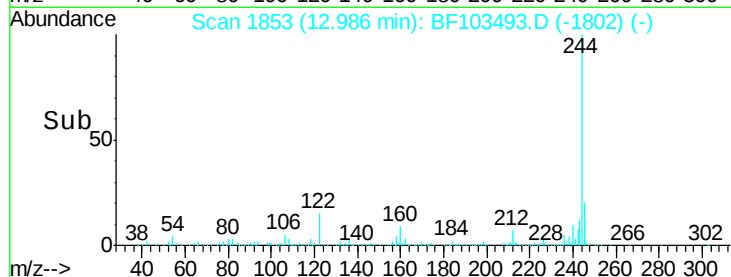
122 14.7 11.0 16.4



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: 10.961 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF103493.D

Acq: 7 Mar 2018 11:49

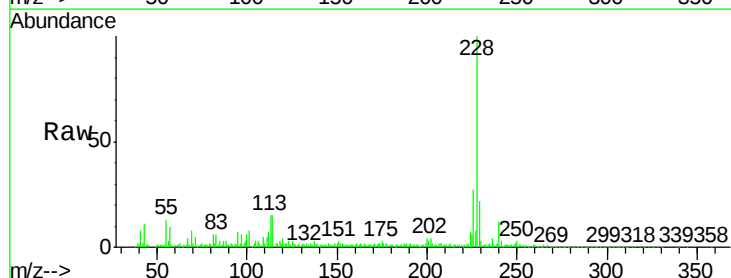
Tgt Ion:228 Resp: 187962

Ion Ratio Lower Upper

228 100

226 26.9 22.6 33.8

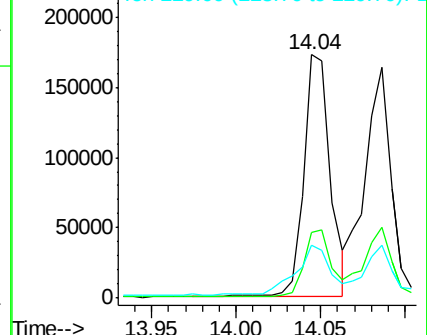
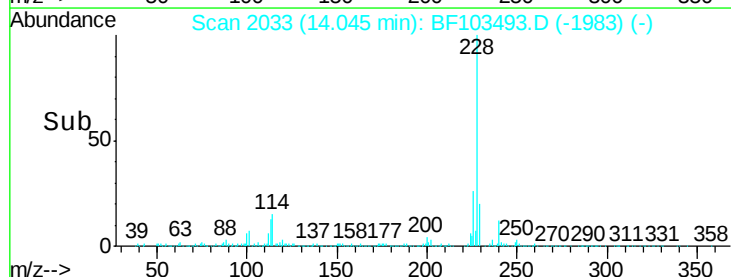
229 21.9 15.8 23.6

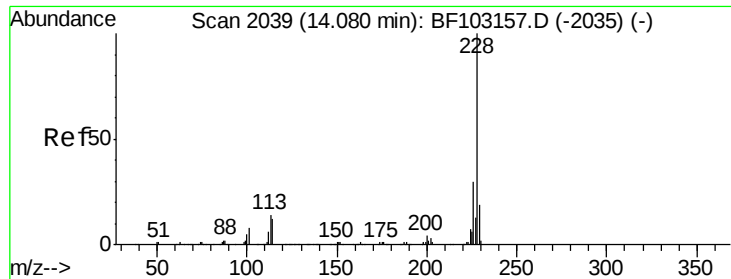


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

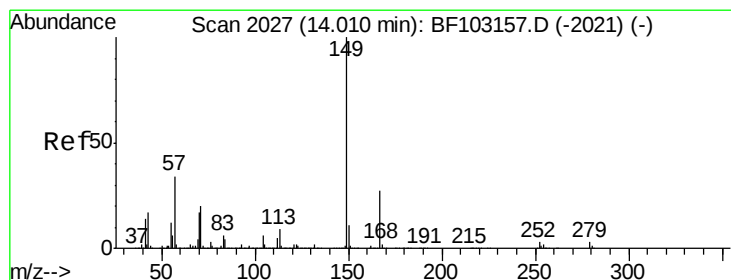
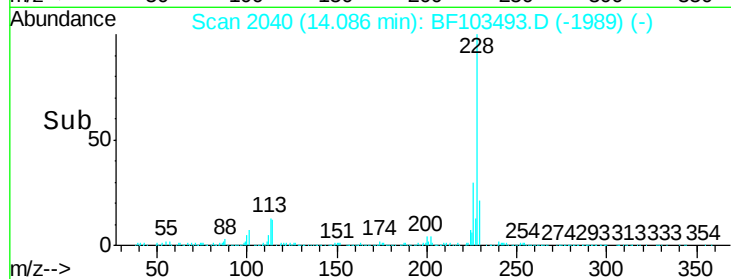
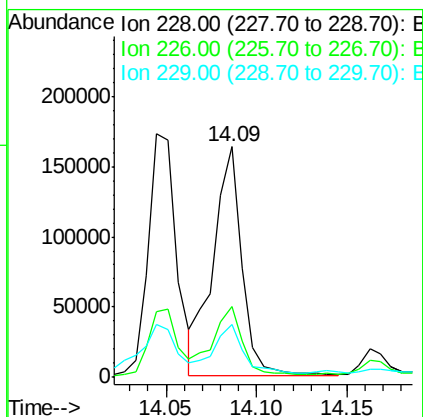
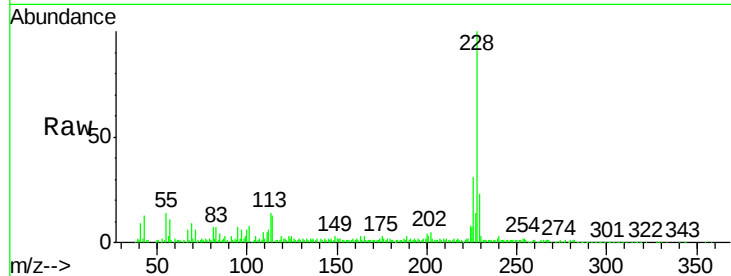




#82
 Chrvsene
 Concen: 10.873 ng
 RT: 14.09 min Scan# 2040
 Delta R.T. 0.00 min
 Lab File: BF103493.D
 Acq: 7 Mar 2018 11:49

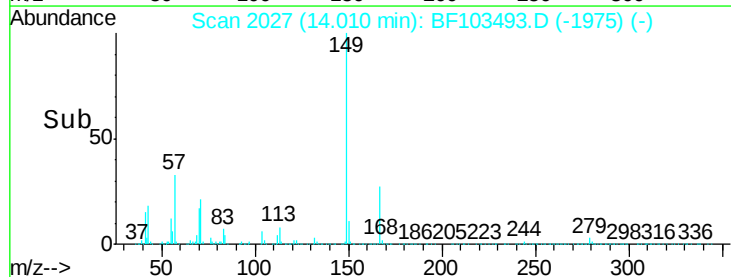
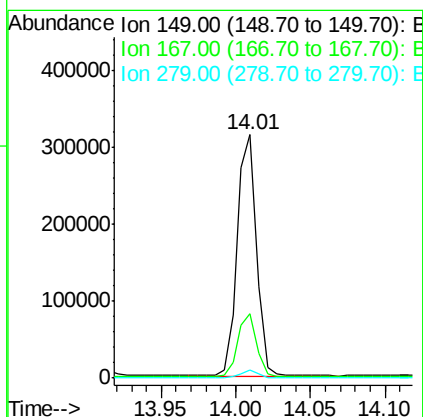
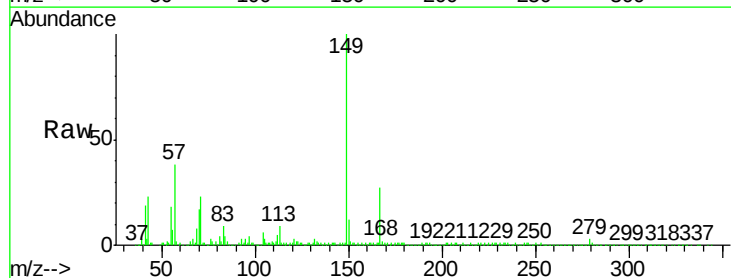
Instrument :
 BNA_F
 ClientSampleId :

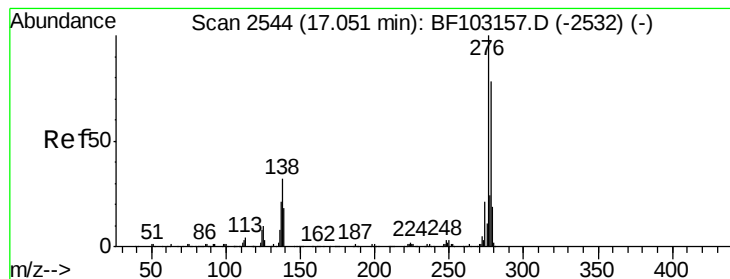
Tot Ion:228 Resp: 181041
 Ion Ratio Lower Upper
 228 100
 226 31.0 25.0 37.6
 229 23.1 16.2 24.4



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 19.373 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. 0.01 min
 Lab File: BF103493.D
 Acq: 7 Mar 2018 11:49

Tgt Ion:149 Resp: 284626
 Ion Ratio Lower Upper
 149 100
 167 26.7 21.3 31.9
 279 3.1 3.0 4.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 4.999 ng

RT: 17.12 min Scan# 2555

Delta R.T. 0.01 min

Lab File: BF103493.D

Acq: 7 Mar 2018 11:49

Instrument :

BNA_F

ClientSampleId :

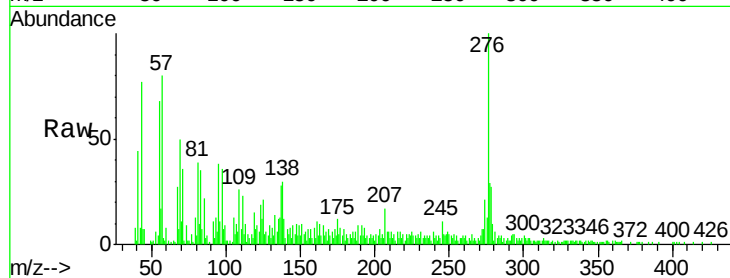
Tot Ion:276 Resp: 65901

Ion Ratio Lower Upper

276 100

138 29.2 25.0 37.6

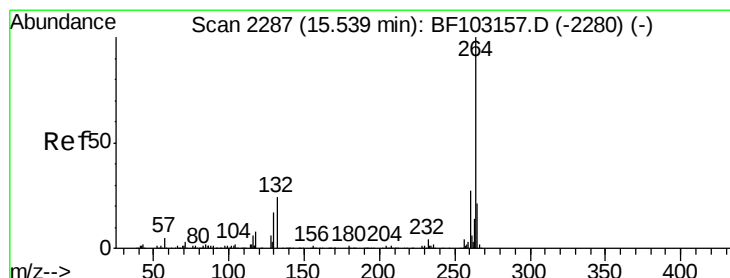
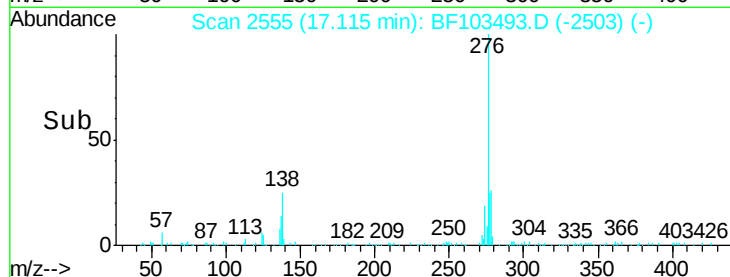
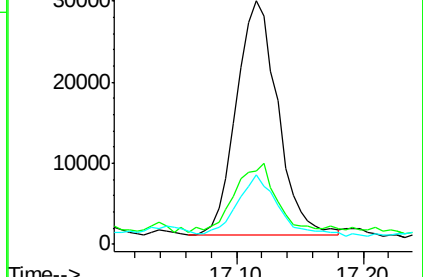
277 25.9 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.57 min Scan# 2292

Delta R.T. 0.01 min

Lab File: BF103493.D

Acq: 7 Mar 2018 11:49

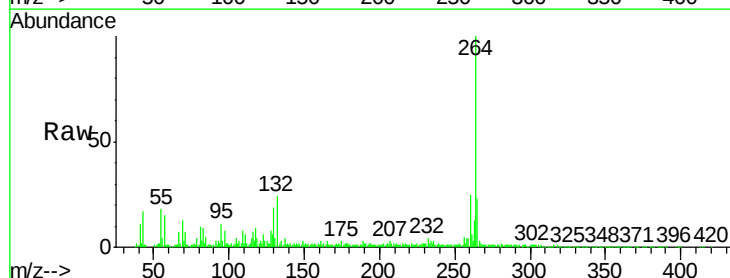
Tgt Ion:264 Resp: 210633

Ion Ratio Lower Upper

264 100

260 25.1 19.2 28.8

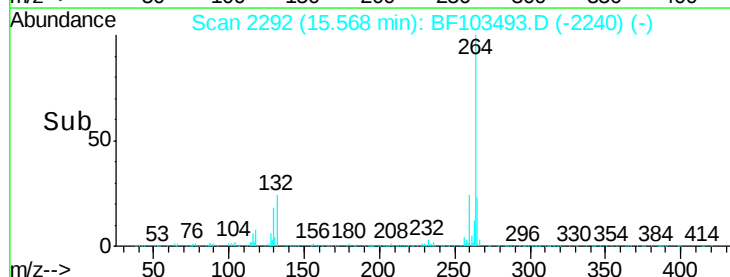
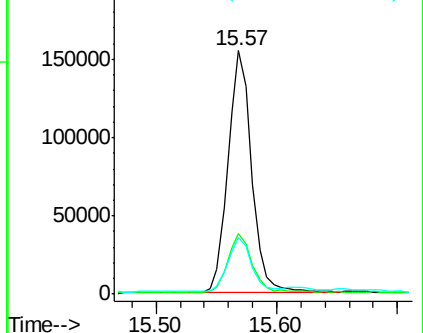
265 23.4 17.5 26.3

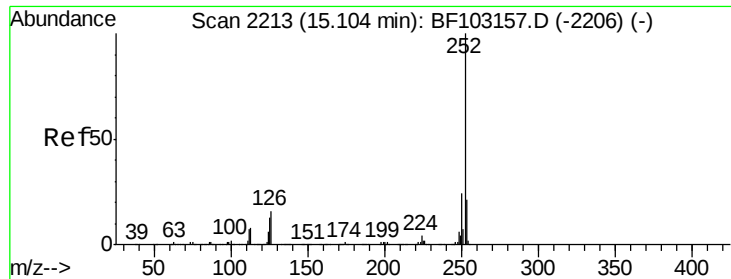


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

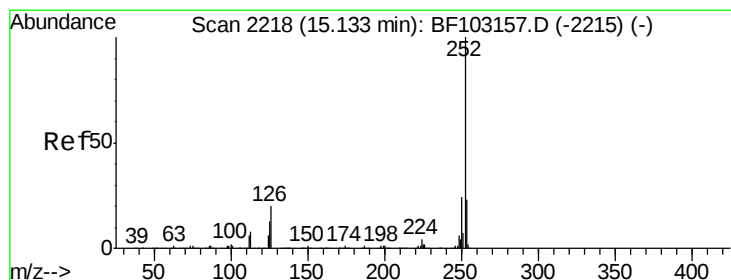
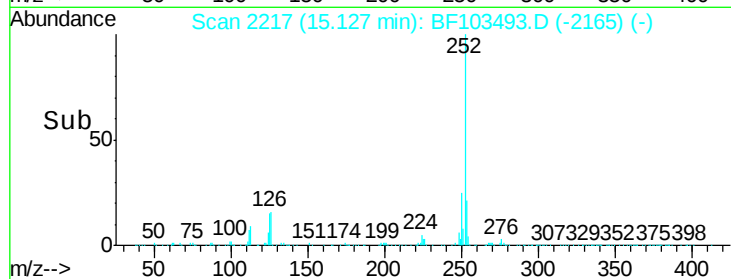
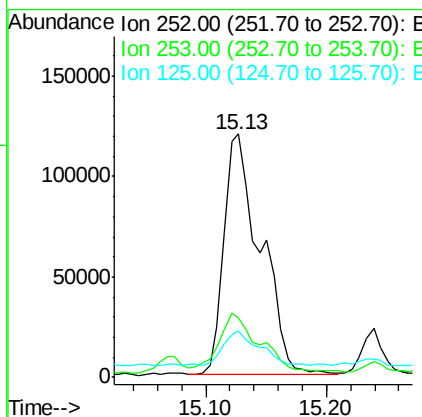
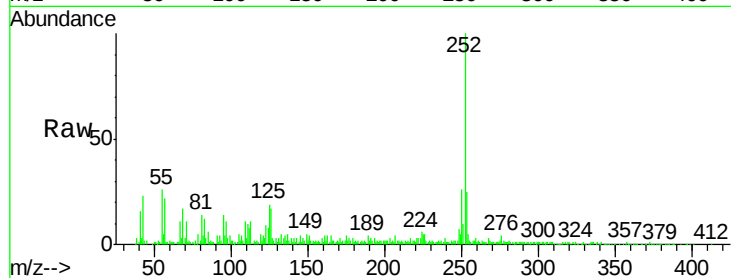




#87
Benzo(b)fluoranthene
Concen: 18.214 ng
RT: 15.13 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF103493.D
Acq: 7 Mar 2018 11:49

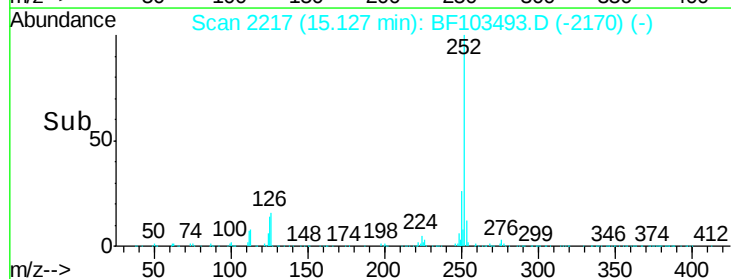
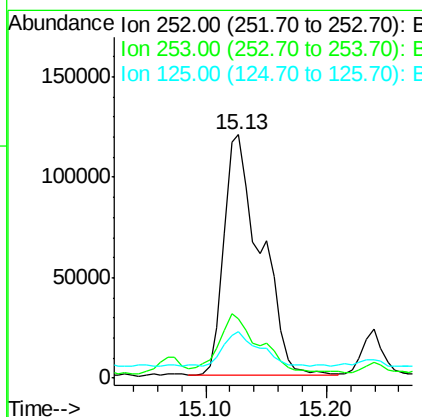
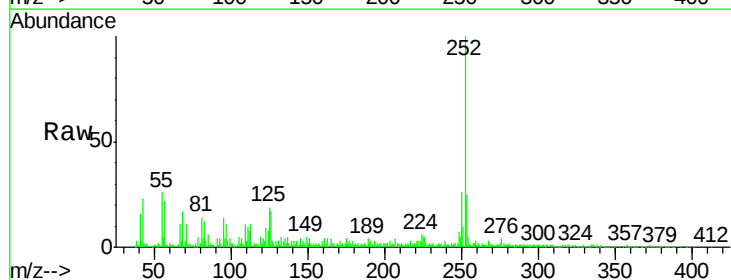
Instrument :
BNA_F
ClientSampleId :

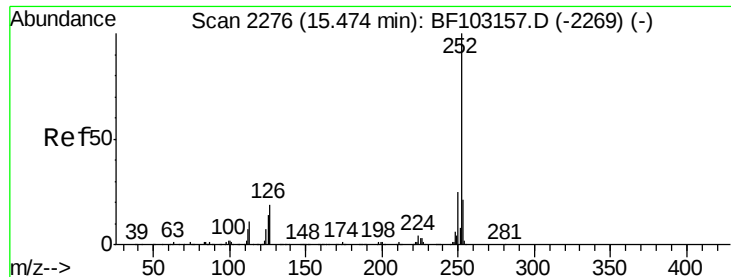
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.0	25.6
125	19.2	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 19.342 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.02 min
Lab File: BF103493.D
Acq: 7 Mar 2018 11:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.9	26.9
125	19.2	10.2	15.2

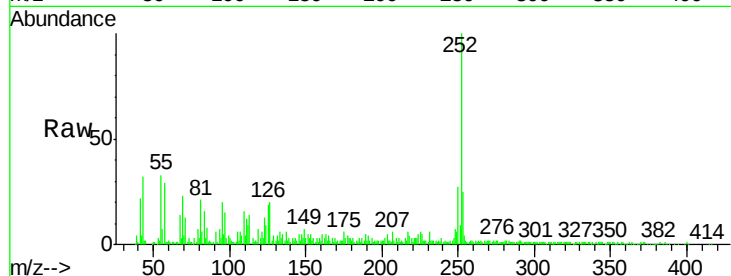




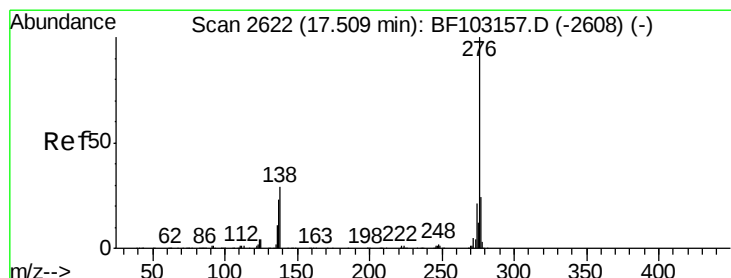
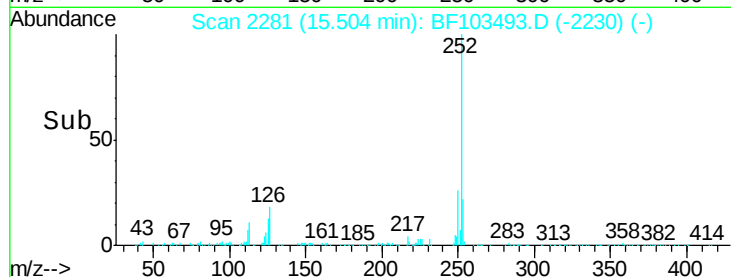
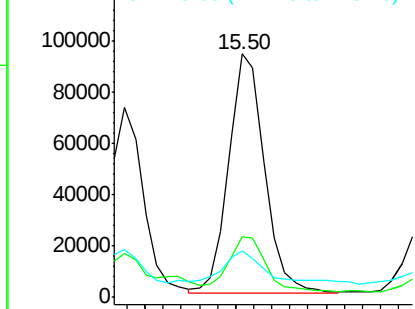
#89
Benzo(a)pyrene
Concen: 10.401 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.00 min
Lab File: BF103493.D
Acq: 7 Mar 2018 11:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 128633
Ion Ratio Lower Upper
252 100
253 25.0 17.1 25.7
125 19.2 9.8 14.6#

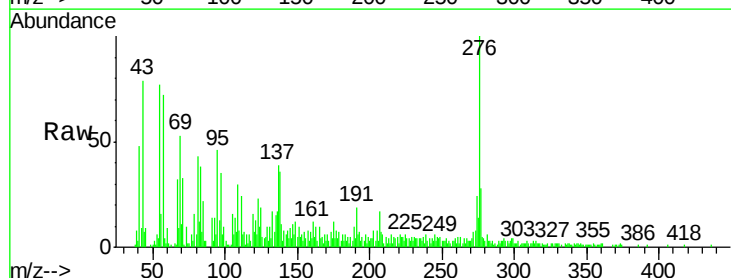


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 6.831 ng
RT: 17.59 min Scan# 2635
Delta R.T. 0.01 min
Lab File: BF103493.D
Acq: 7 Mar 2018 11:49

Tgt Ion:276 Resp: 63804
Ion Ratio Lower Upper
276 100
277 28.2 17.9 26.9#
138 36.5 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

