

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030618\
 Data File : BF103463.D
 Acq On : 6 Mar 2018 18:50
 Operator : SJ/JU
 Sample : J1722-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 07 00:12:32 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	176582	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	731627	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	311179	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	467292	20.00	ng	0.00
75) Chrysene-d12	14.06	240	292922	20.00	ng	0.00
86) Perylene-d12	15.57	264	261705	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1079425	92.45	ng	0.00
7) Phenol-d6	6.51	99	1294212	90.59	ng	0.00
23) Nitrobenzene-d5	7.44	82	839344	65.52	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	156442	59.39	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1047813	52.80	ng	0.00
78) Terphenyl-d14	12.99	244	690624	56.68	ng	0.00

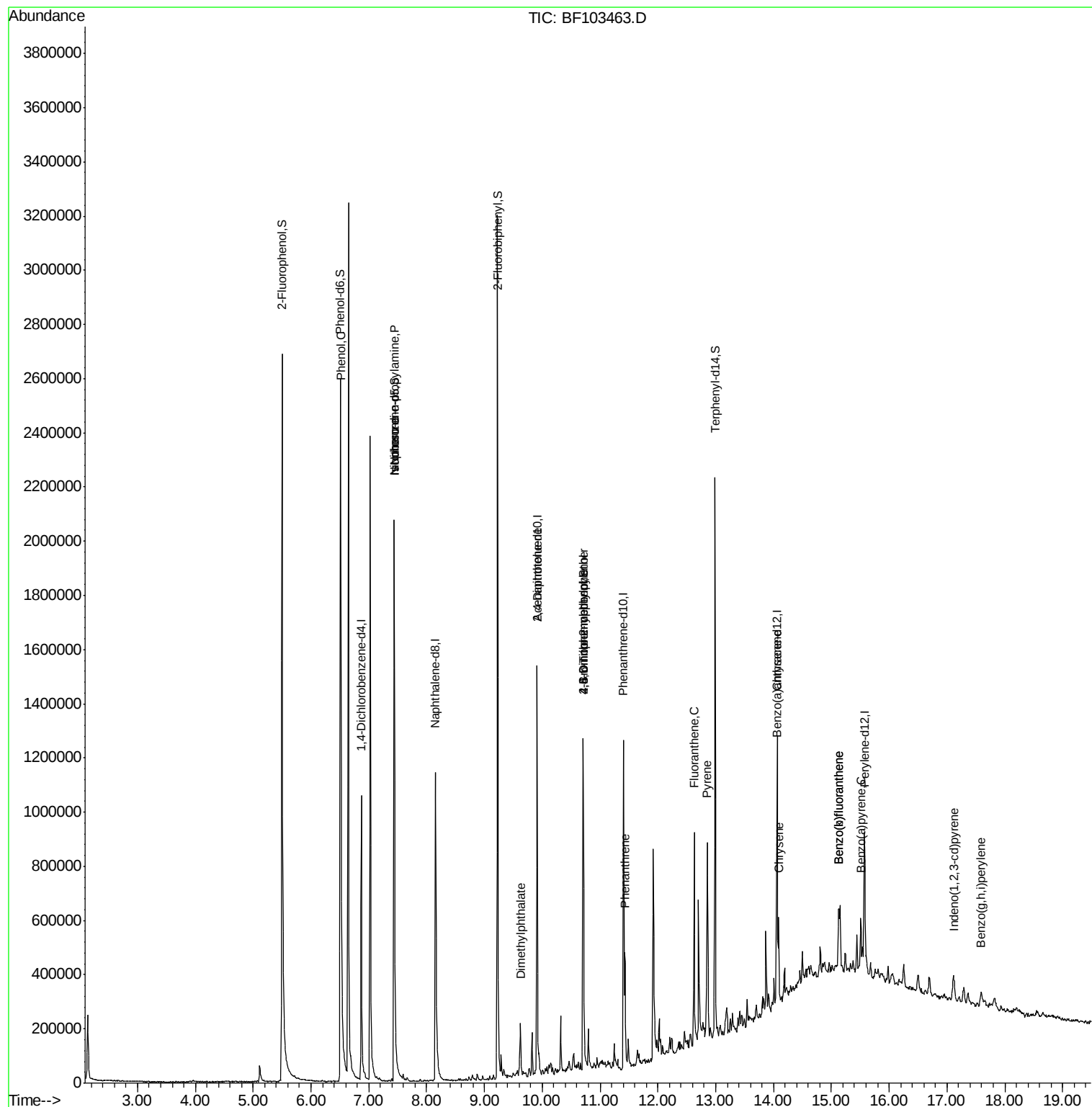
Target Compounds				Qvalue		
9) Benzaldehyde	6.52	77	2841	Below Cal	#	1
10) Phenol	6.52	94	89368	5.388 ng	#	70
19) n-Nitroso-di-n-propylamine	7.44	70	111203	12.507 ng	#	83
25) Isophorone	7.44	82	839344	33.265 ng	#	64
49) Dimethylphthalate	9.62	163	86547	3.467 ng		99
56) 2,4-Dinitrotoluene	9.91	165	41300	6.234 ng	#	23
64) 4,6-Dinitro-2-methylphenol	10.70	198	254	5.025 ng	#	1
66) 4-Bromophenyl-phenylether	10.71	248	10495	2.156 ng	#	1
70) Phenanthrene	11.43	178	158098	6.148 ng		98
74) Fluoranthene	12.63	202	316040	12.230 ng		98
77) Pyrene	12.86	202	306095	13.403 ng		98
80) Benzo(a)anthracene	14.05	228	138143	7.268 ng		98
82) Chrysene	14.09	228	123458	6.690 ng		98
85) Indeno(1,2,3-cd)pyrene	17.12	276	50112	3.430 ng		97
87) Benzo(b)fluoranthene	15.13	252	194237	11.288 ng	#	93
88) Benzo(k)fluoranthene	15.13	252	194237	11.988 ng	#	96
89) Benzo(a)pyrene	15.51	252	98634	6.419 ng	#	93
91) Benzo(g,h,i)perylene	17.59	276	49105	4.232 ng		96

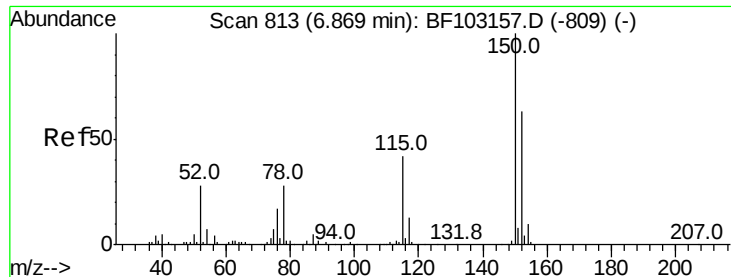
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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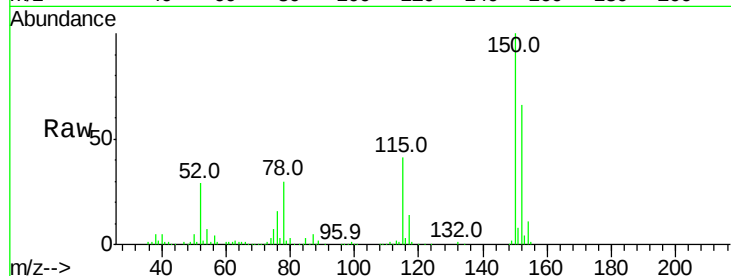


#1

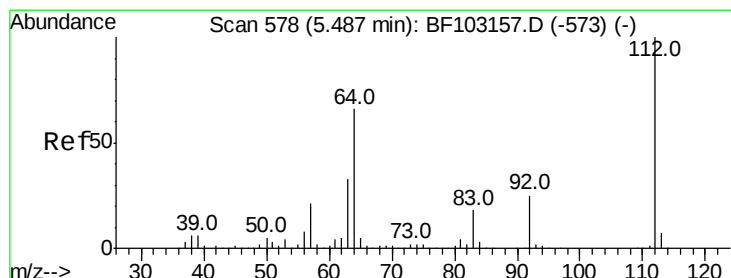
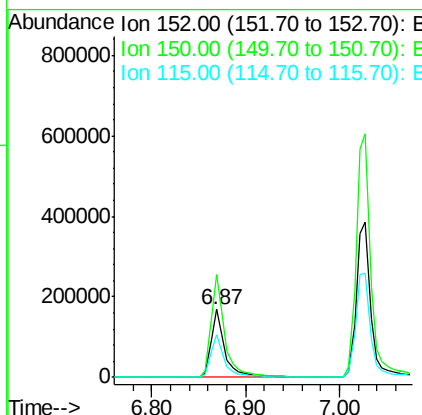
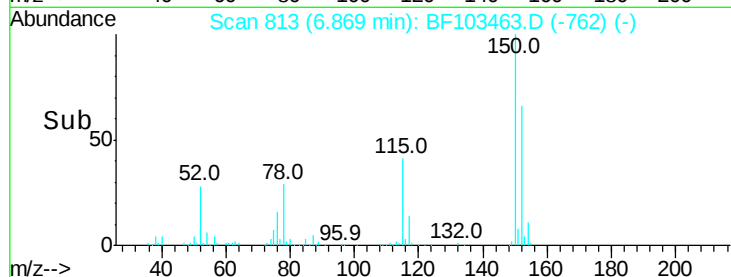
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF103463.D
Acq: 6 Mar 2018 18:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 176582
Ion Ratio Lower Upper
152 100
150 152.4 124.6 186.8
115 62.6 50.1 75.1



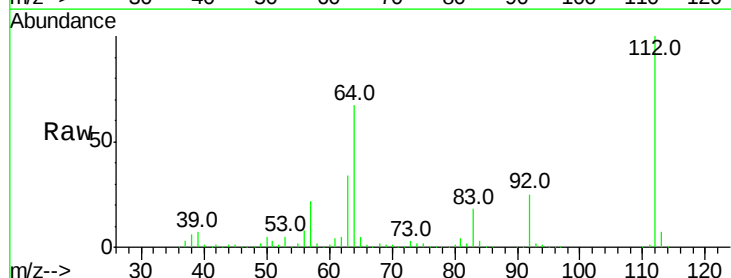
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



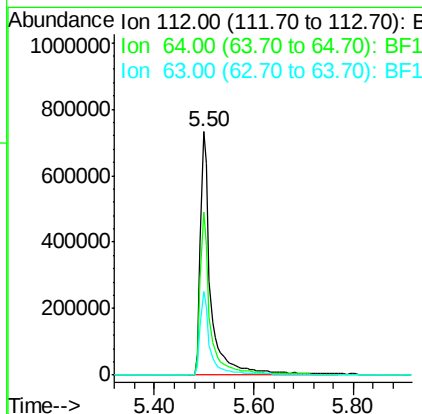
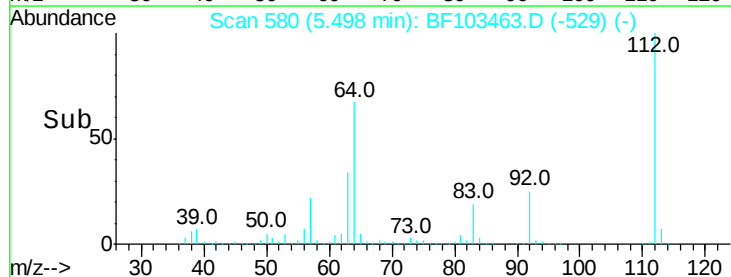
#5

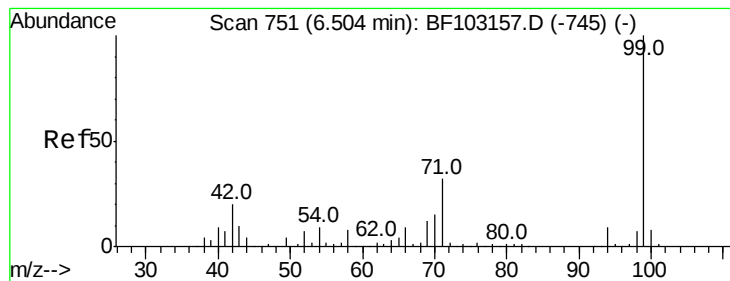
2-Fluorophenol
Concen: 92.453 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.00 min
Lab File: BF103463.D
Acq: 6 Mar 2018 18:50

Tgt Ion:112 Resp: 1079425
Ion Ratio Lower Upper
112 100
64 66.7 47.9 71.9
63 34.3 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: 90.589 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF103463.D

Acq: 6 Mar 2018 18:50

Instrument :

BNA_F

ClientSampleId :

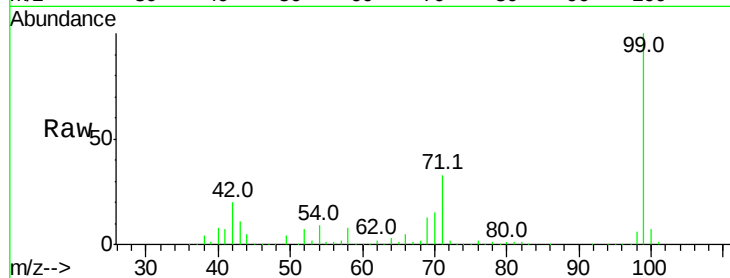
Tot Ion: 99 Resp: 1294212

Ion	Ratio	Lower	Upper
99	100		
42	20.4	14.5	21.7
71	32.6	25.4	38.0

99 100

42 20.4 14.5 21.7

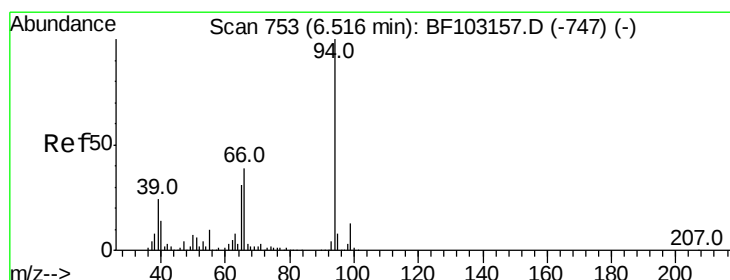
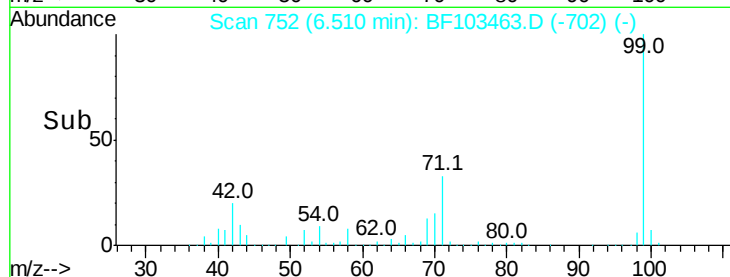
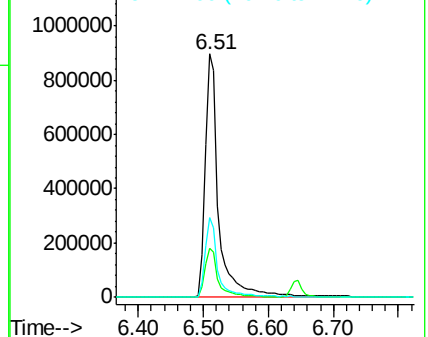
71 32.6 25.4 38.0



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



#10

Phenol

Concen: 5.388 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF103463.D

Acq: 6 Mar 2018 18:50

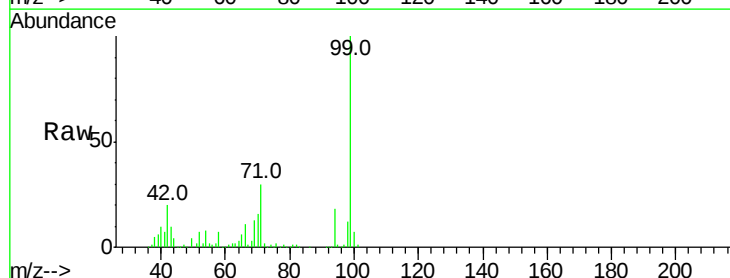
Tgt Ion: 94 Resp: 89368

Ion	Ratio	Lower	Upper
94	100		
65	34.4	7.9	47.9
66	62.2	16.2	56.2

94 100

65 34.4 7.9 47.9

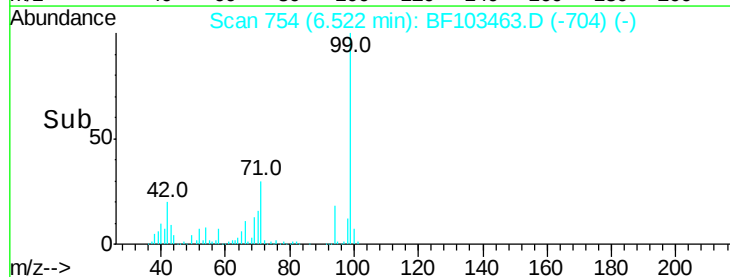
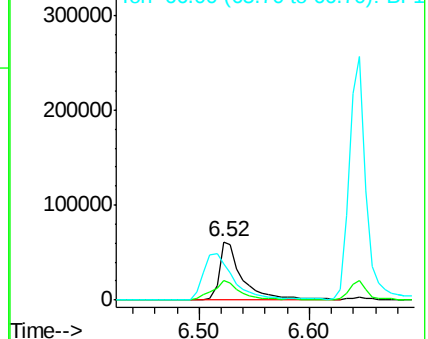
66 62.2 16.2 56.2

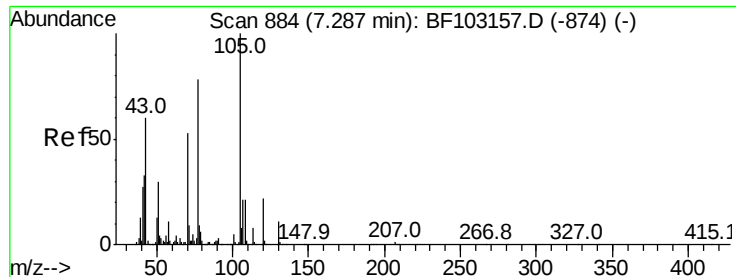


Abundance Ion 94.00 (93.70 to 94.70): BF1

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: 12.507 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103463.D

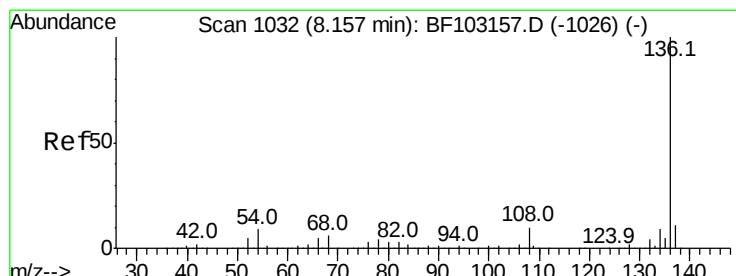
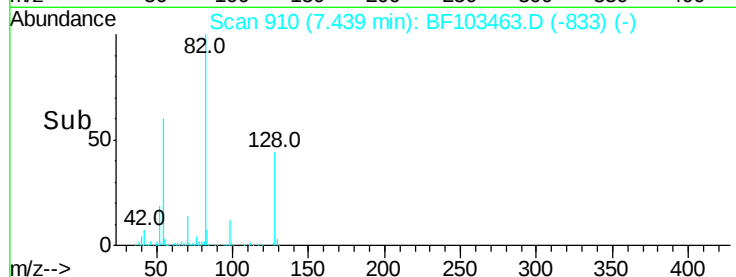
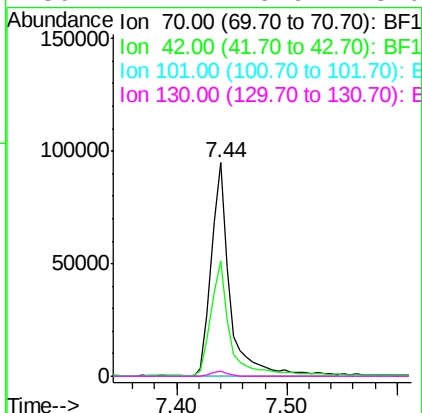
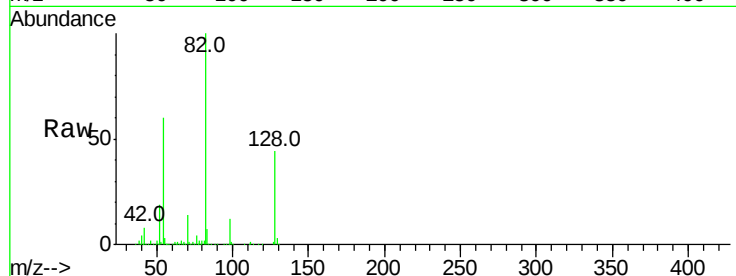
Acq: 6 Mar 2018 18:50

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	70	Resp:	111203
Ion	Ratio	Lower	Upper
70	100		
42	54.1	47.5	71.3
101	0.0	7.4	11.2#
130	2.2	16.6	25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

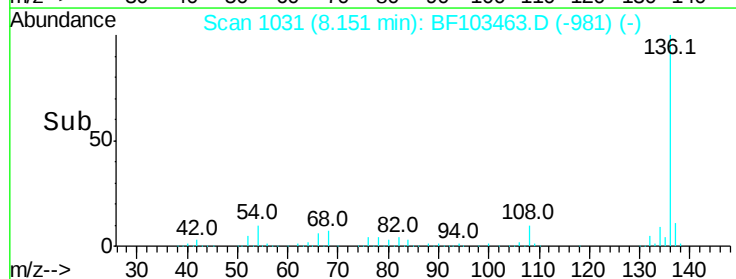
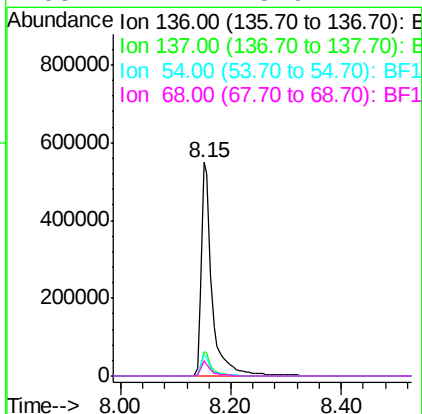
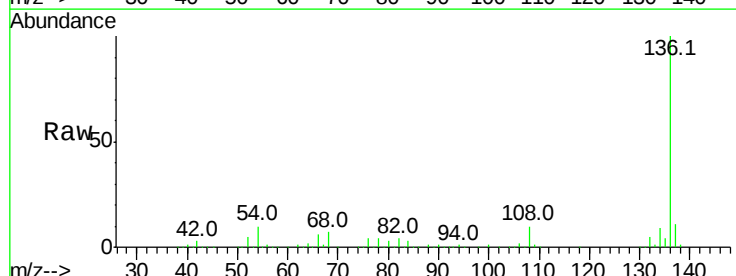
RT: 8.15 min Scan# 1031

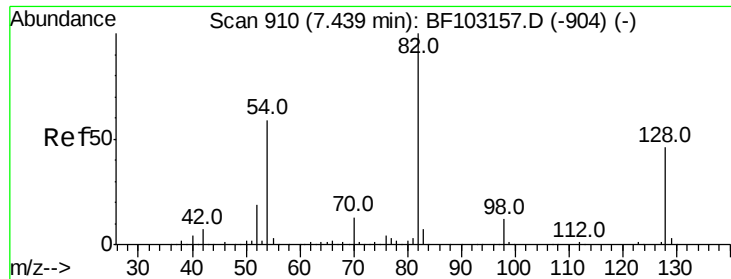
Delta R.T. -0.01 min

Lab File: BF103463.D

Acq: 6 Mar 2018 18:50

Tgt Ion:	136	Resp:	731627
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	10.0	6.6	9.8#
68	7.2	5.0	7.4

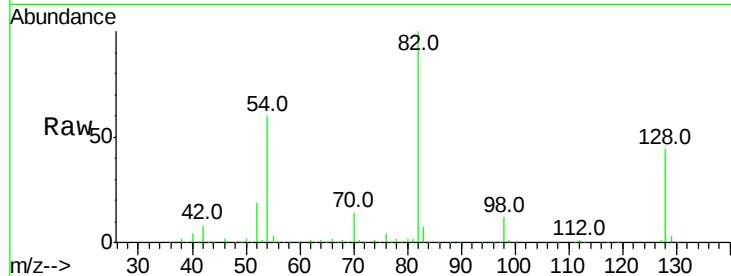




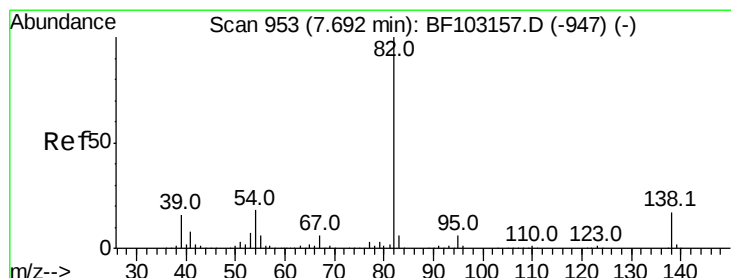
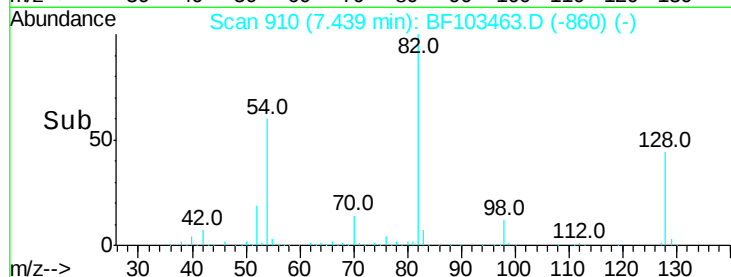
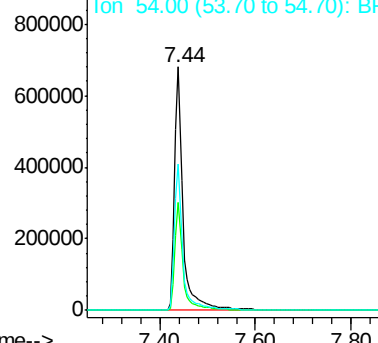
#23
 Nitrobenzene-d5
 Concen: 65.516 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: BF103463.D
 Acq: 6 Mar 2018 18:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 839344
 Ion Ratio Lower Upper
 82 100
 128 44.1 36.1 54.1
 54 60.0 41.4 62.2

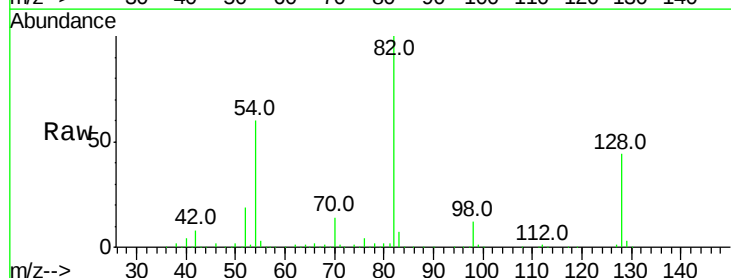


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

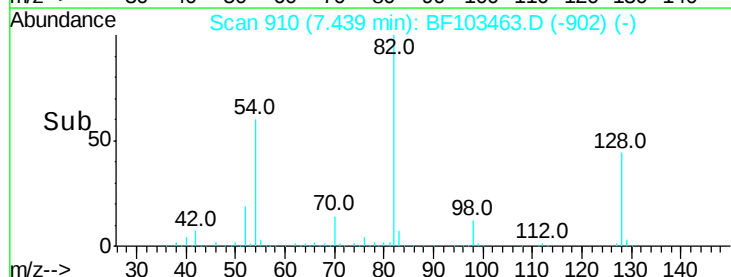
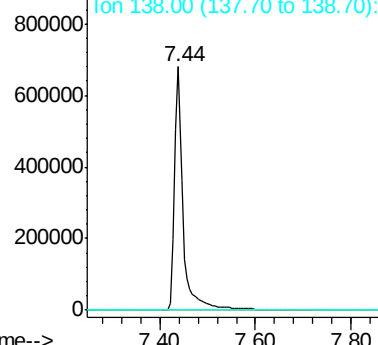


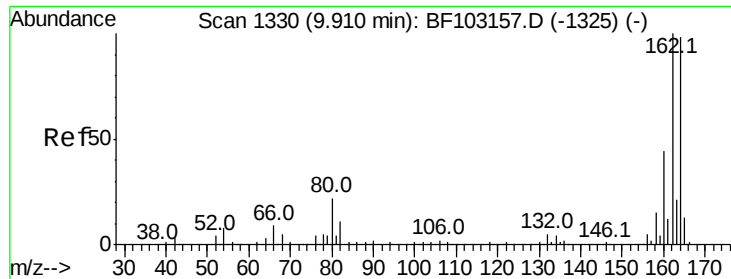
#25
 Isophorone
 Concen: 33.265 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.25 min
 Lab File: BF103463.D
 Acq: 6 Mar 2018 18:50

Tgt Ion: 82 Resp: 839344
 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

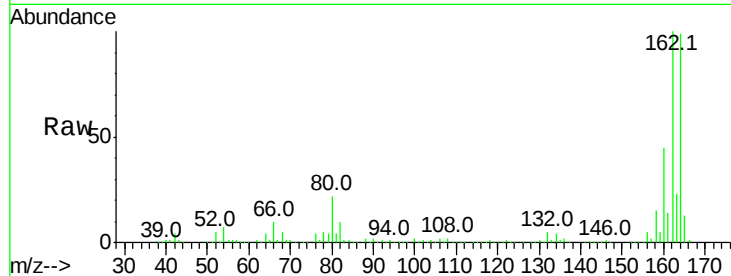




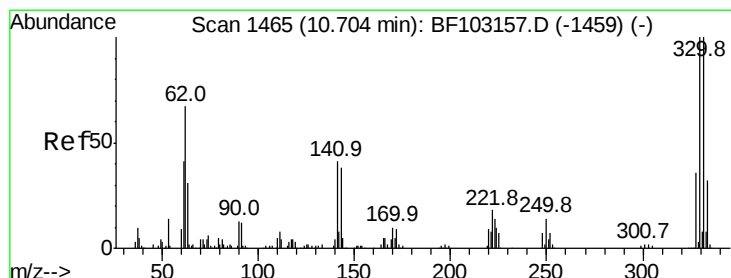
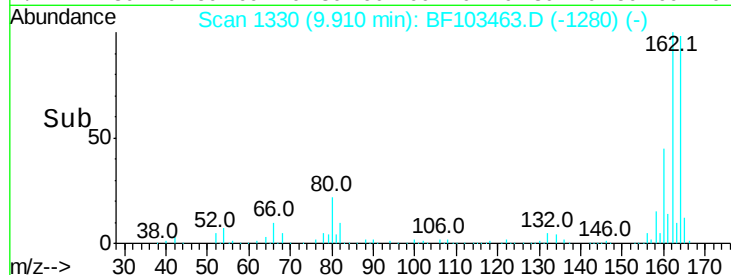
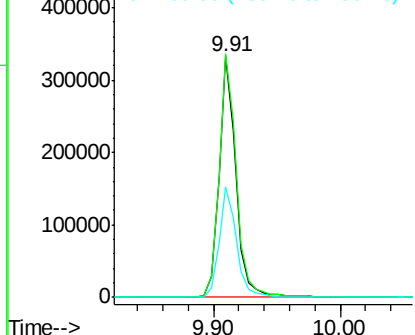
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF103463.D
Acq: 6 Mar 2018 18:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 311179
Ion Ratio Lower Upper
164 100
162 101.1 86.1 129.1
160 45.9 38.3 57.5

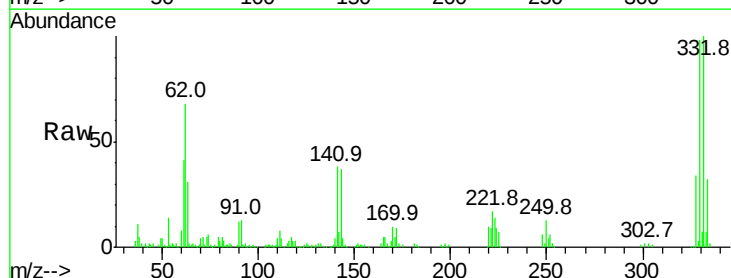


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

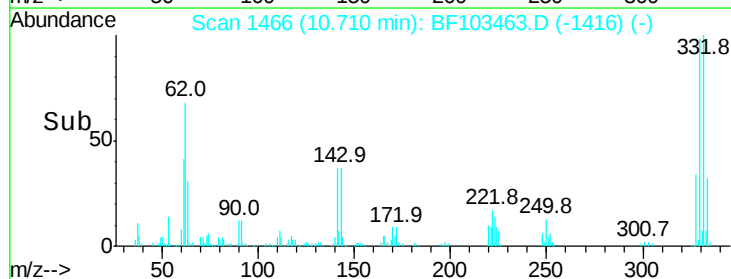
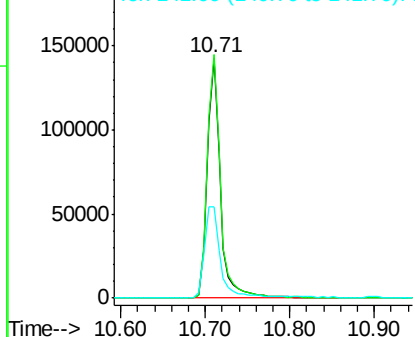


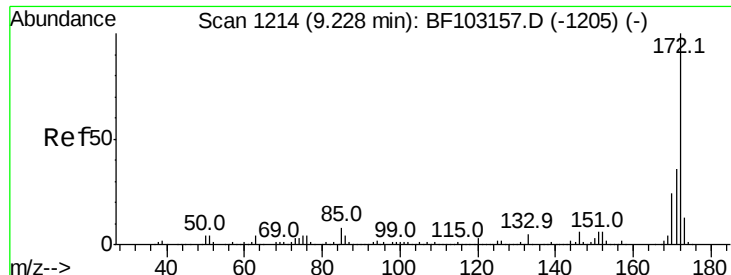
#41
2,4,6-Tribromophenol
Concen: 59.394 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF103463.D
Acq: 6 Mar 2018 18:50

Tgt Ion:330 Resp: 156442
Ion Ratio Lower Upper
330 100
332 103.1 77.0 115.6
141 45.9 29.9 44.9#



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

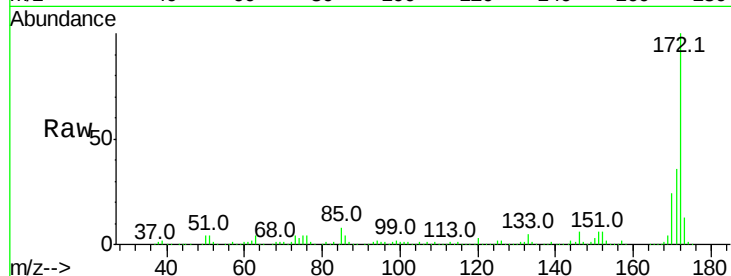




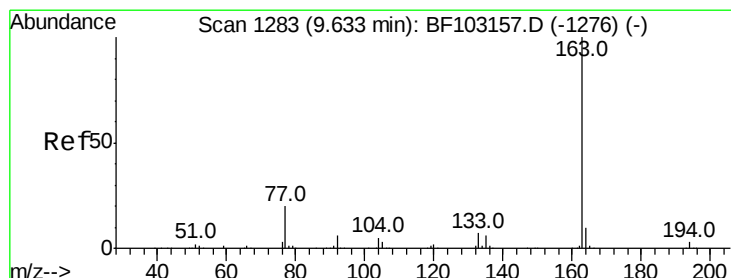
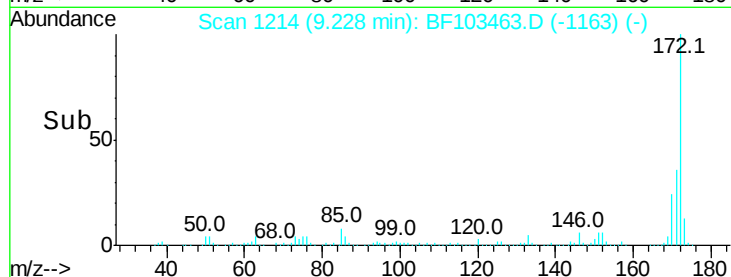
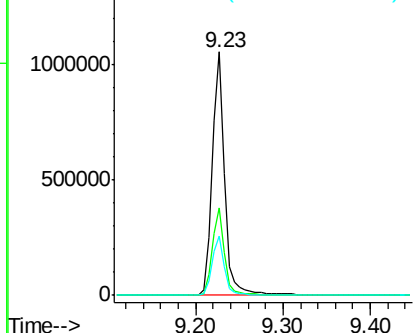
#44
2-Fluorobiphenyl
Concen: 52.798 ng
RT: 9.23 min Scan# 1214
Delta R.T. 0.00 min
Lab File: BF103463.D
Acq: 6 Mar 2018 18:50

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1047813
Ion Ratio Lower Upper
172 100
171 35.7 29.7 44.5
170 24.4 19.6 29.4

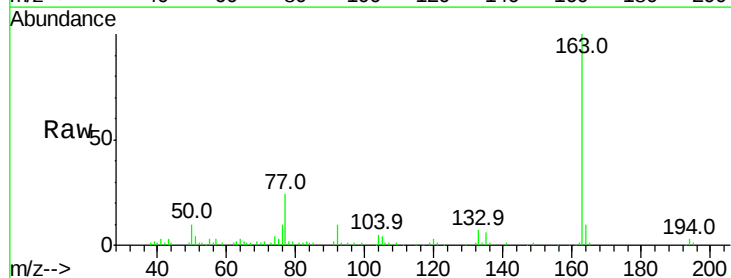


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

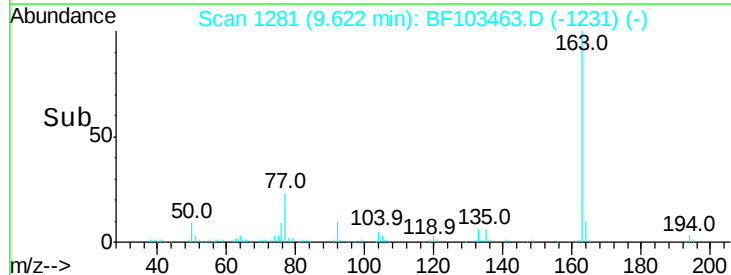
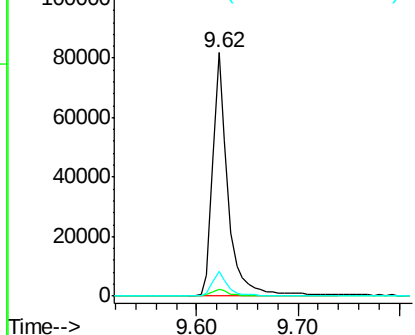


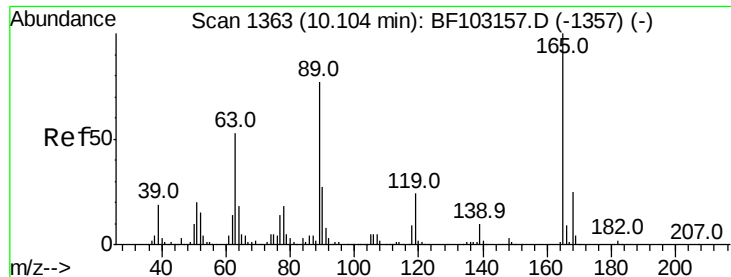
#49
Dimethylphthalate
Concen: 3.467 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103463.D
Acq: 6 Mar 2018 18:50

Tgt Ion:163 Resp: 86547
Ion Ratio Lower Upper
163 100
194 2.8 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

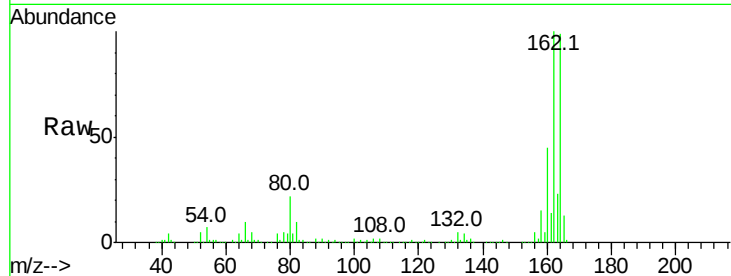




#56
 2,4-Dinitrotoluene
 Concen: 6.234 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.21 min
 Lab File: BF103463.D
 Acq: 6 Mar 2018 18:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#

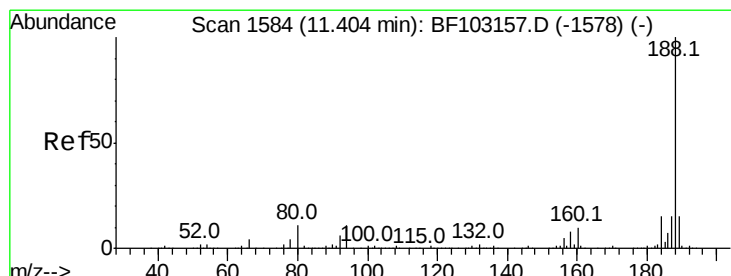
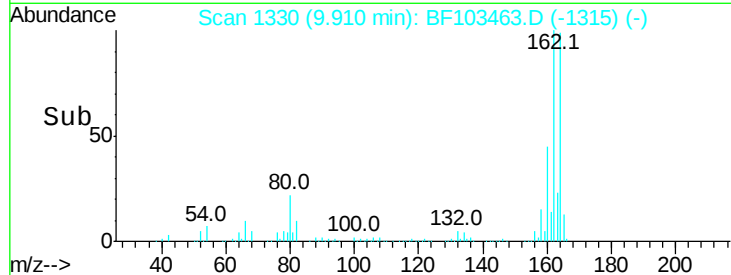
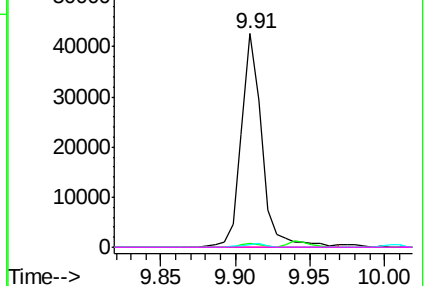


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

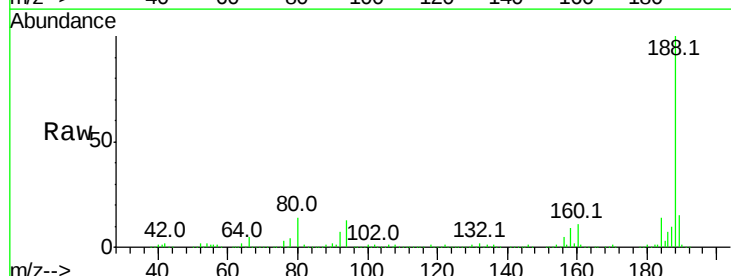
Ion 89.00 (88.70 to 89.70): BF1

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: BF103463.D
 Acq: 6 Mar 2018 18:50

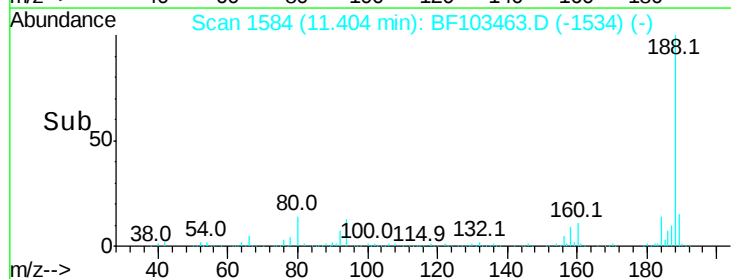
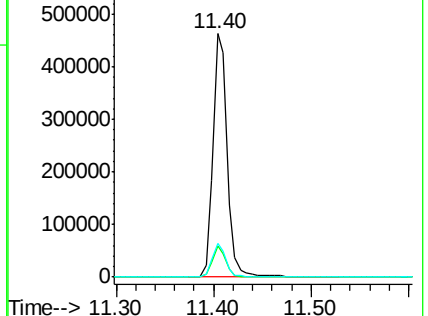
Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.7	8.5	12.7#
80	13.6	9.2	13.8

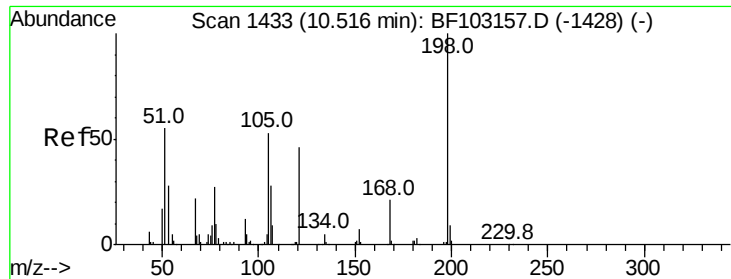


Abundance Ion 188.00 (187.70 to 188.70): E

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: 5.025 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.17 min

Lab File: BF103463.D

Acq: 6 Mar 2018 18:50

Instrument :

BNA_F

ClientSampleId :

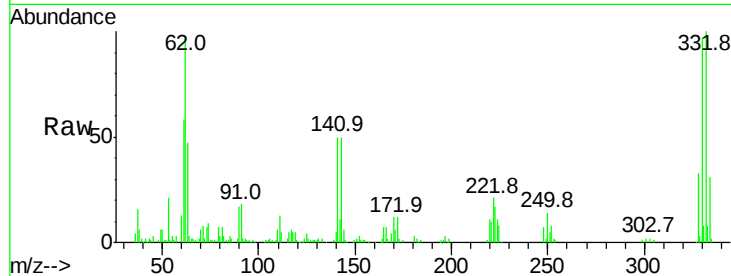
Tot Ion:198 Resp: 254

Ion Ratio Lower Upper

198 100

51 381.4 37.7 77.7#

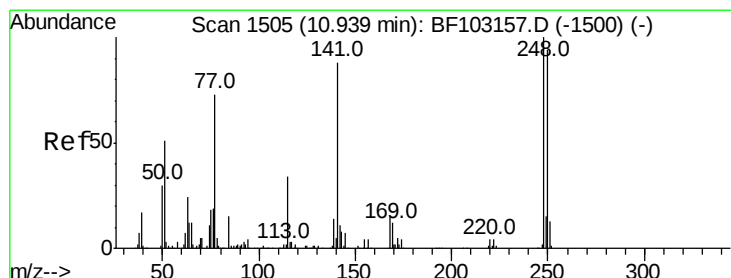
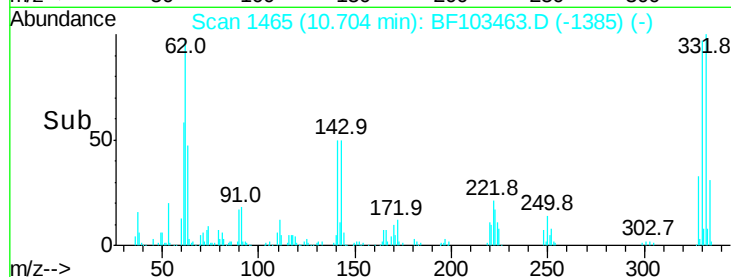
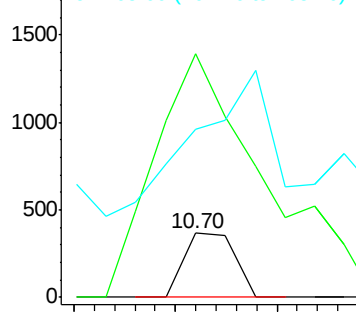
105 263.6 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 2.156 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.24 min

Lab File: BF103463.D

Acq: 6 Mar 2018 18:50

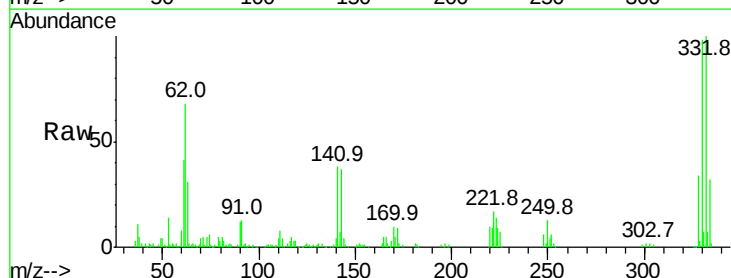
Tgt Ion:248 Resp: 10495

Ion Ratio Lower Upper

248 100

250 208.4 76.9 115.3#

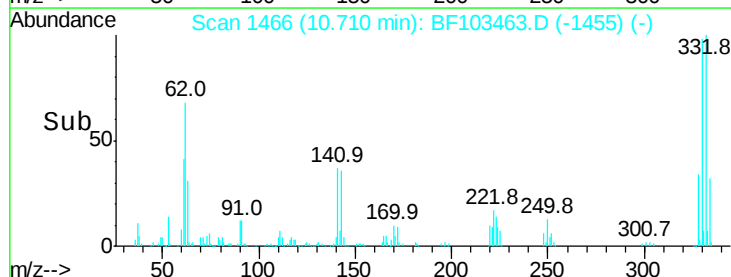
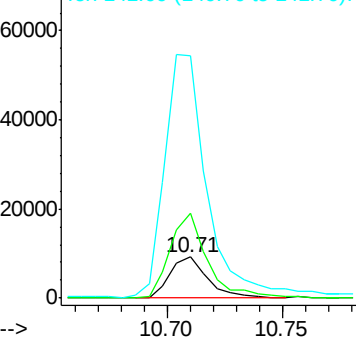
141 592.5 74.4 111.6#

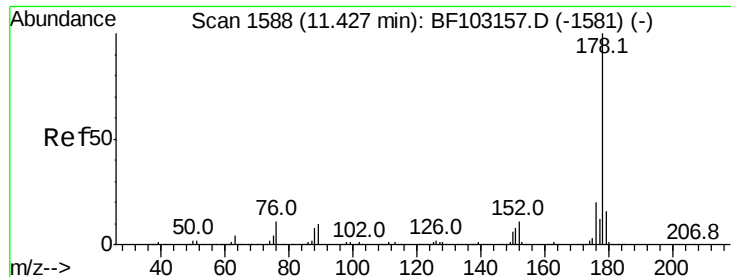


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 6.148 ng

RT: 11.43 min Scan# 1589

Delta R.T. 0.00 min

Lab File: BF103463.D

Acq: 6 Mar 2018 18:50

Instrument :

BNA_F

ClientSampleId :

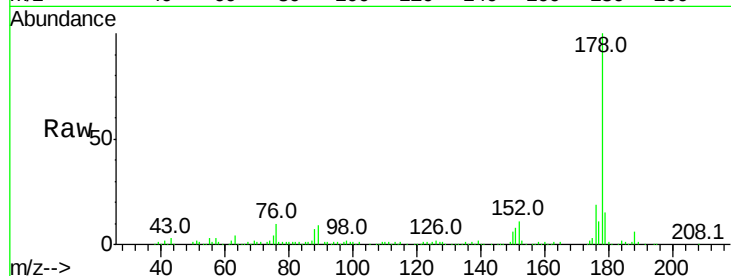
Tot Ion:178 Resp: 158098

Ion Ratio Lower Upper

178 100

176 19.2 15.8 23.8

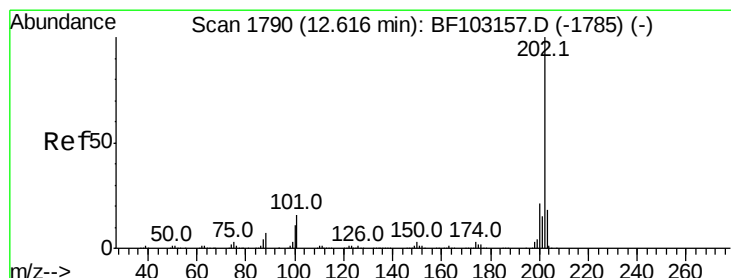
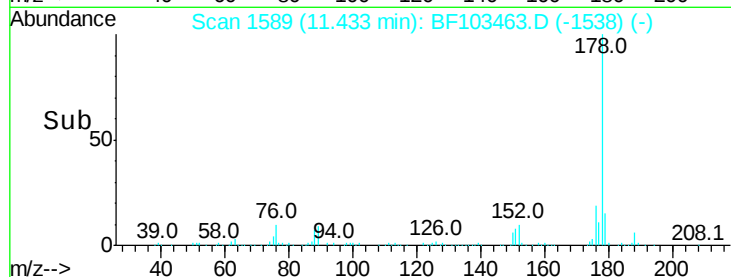
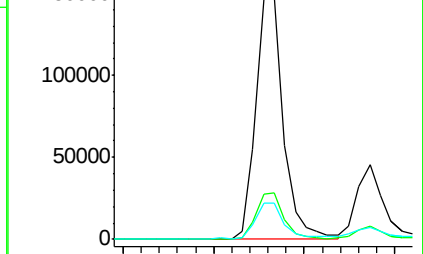
179 15.0 13.0 19.6



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: 12.230 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF103463.D

Acq: 6 Mar 2018 18:50

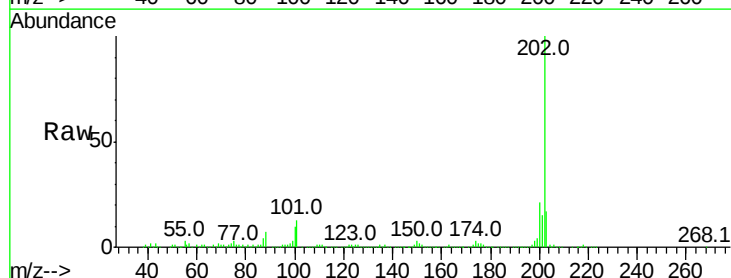
Tgt Ion:202 Resp: 316040

Ion Ratio Lower Upper

202 100

101 13.3 0.0 34.1

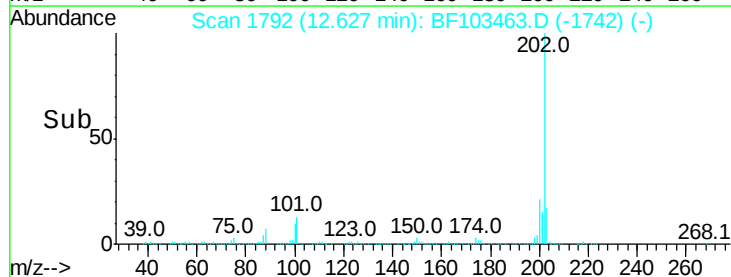
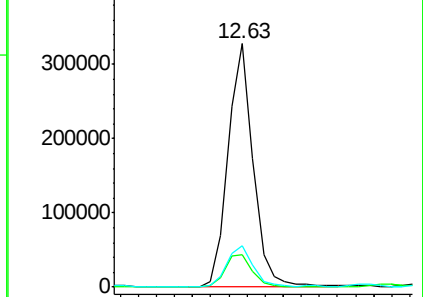
203 17.2 0.0 38.1

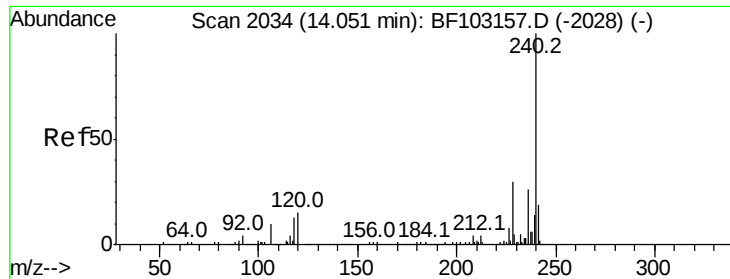


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

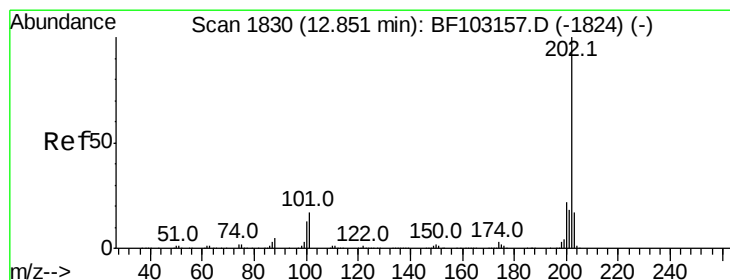
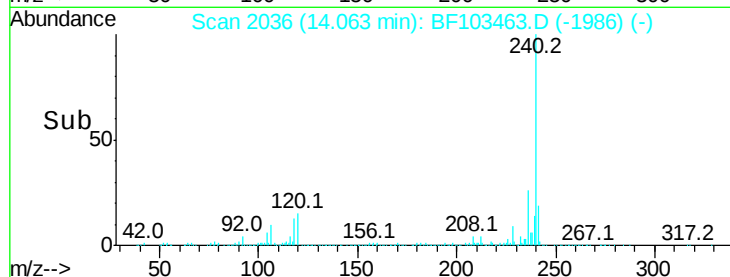
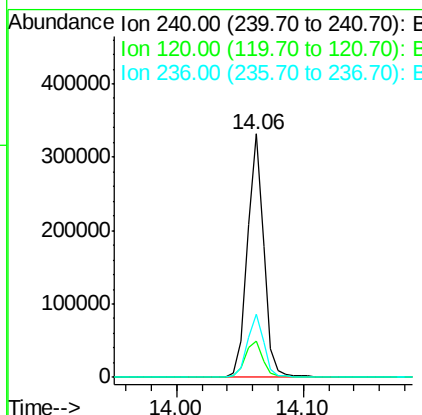
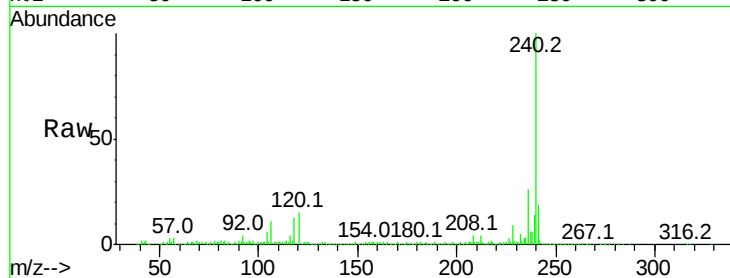




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: BF103463.D
 Acq: 6 Mar 2018 18:50

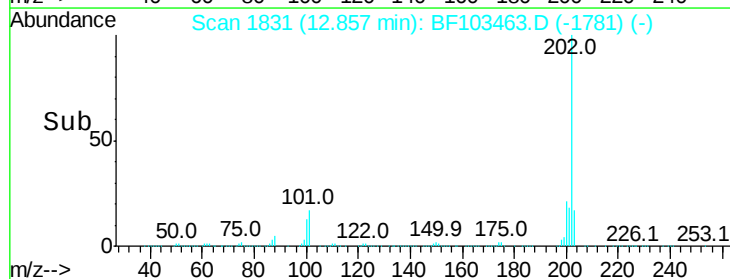
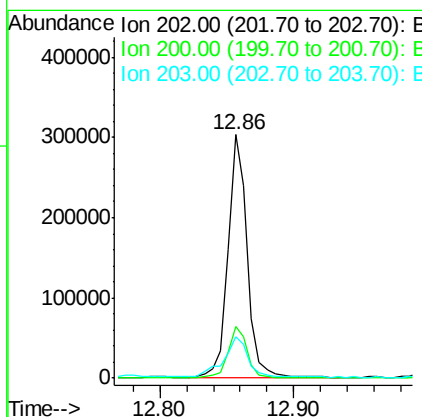
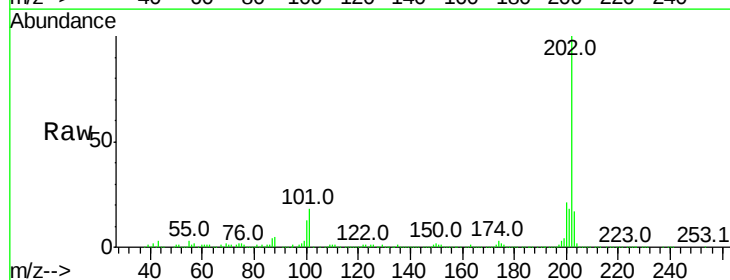
Instrument :
 BNA_F
 ClientSampleId :

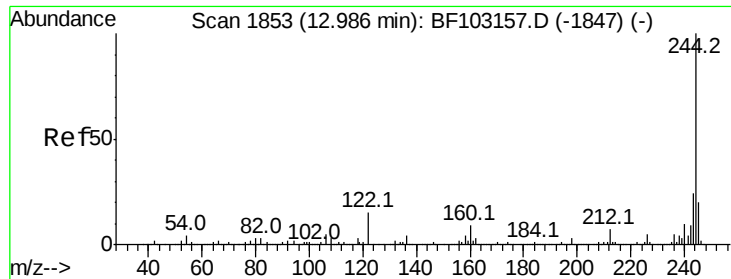
Tot Ion:240 Resp: 292922
 Ion Ratio Lower Upper
 240 100
 120 14.8 9.5 14.3#
 236 25.8 20.7 31.1



#77
 Pyrene
 Concen: 13.403 ng
 RT: 12.86 min Scan# 1831
 Delta R.T. -0.01 min
 Lab File: BF103463.D
 Acq: 6 Mar 2018 18:50

Tgt Ion:202 Resp: 306095
 Ion Ratio Lower Upper
 202 100
 200 21.3 17.4 26.2
 203 17.0 14.3 21.5

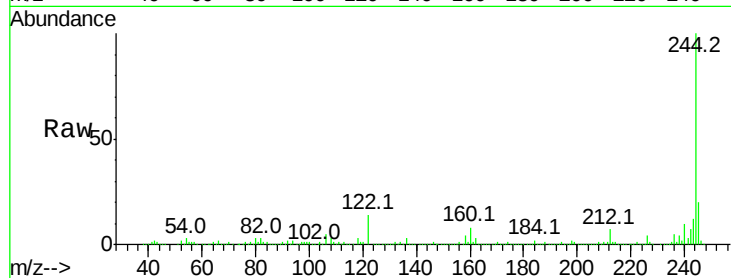




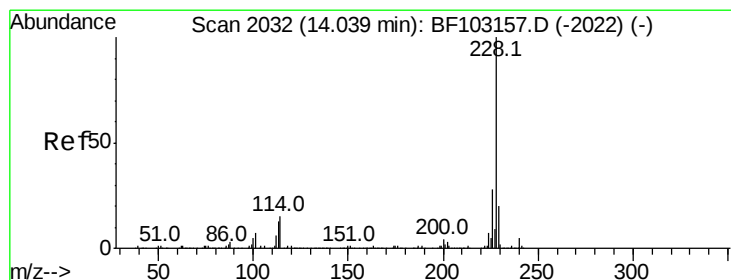
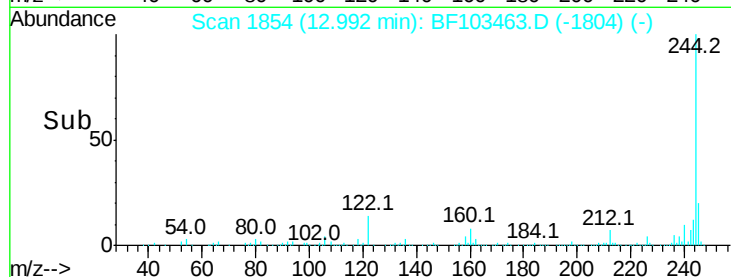
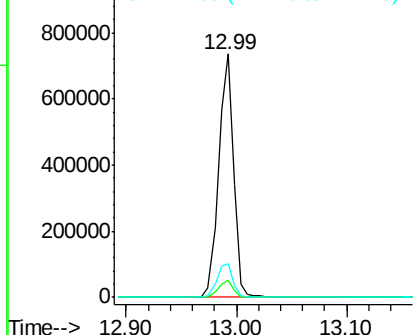
#78
 Terphenyl-d14
 Concen: 56.676 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF103463.D
 Acq: 6 Mar 2018 18:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 690624
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 14.0 11.0 16.4

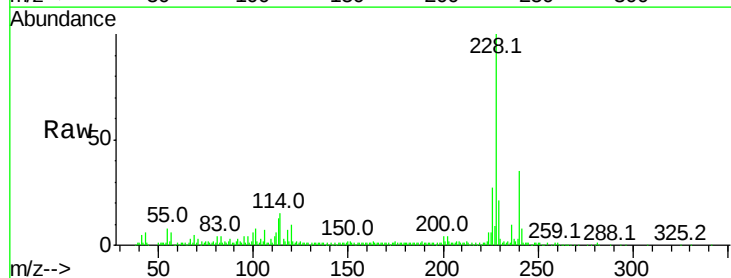


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

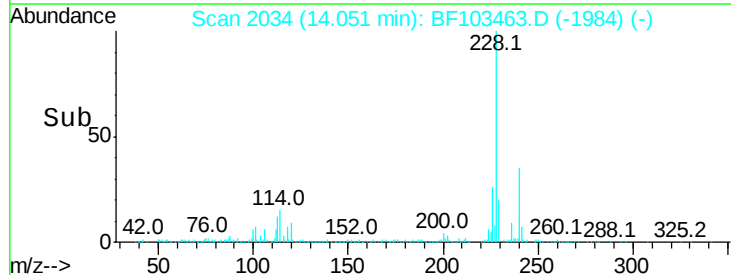
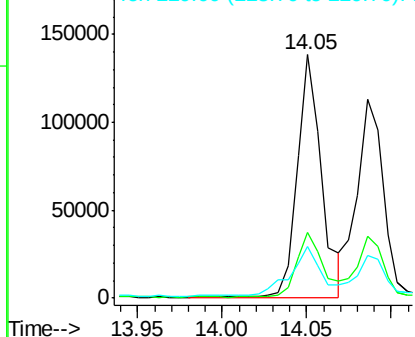


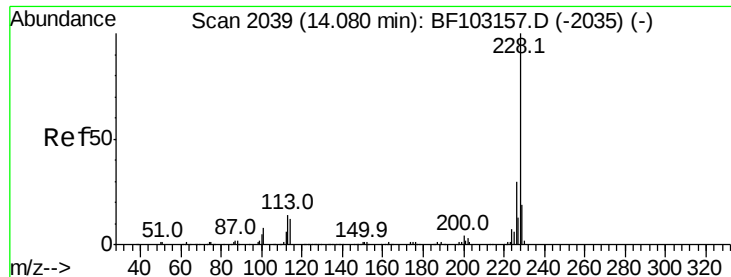
#80
 Benzo(a)anthracene
 Concen: 7.268 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BF103463.D
 Acq: 6 Mar 2018 18:50

Tgt Ion:228 Resp: 138143
 Ion Ratio Lower Upper
 228 100
 226 27.1 22.6 33.8
 229 21.0 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

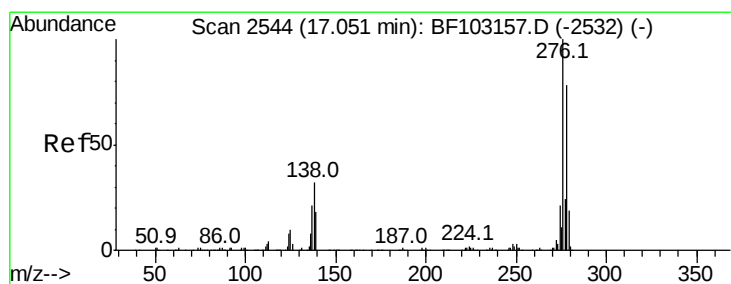
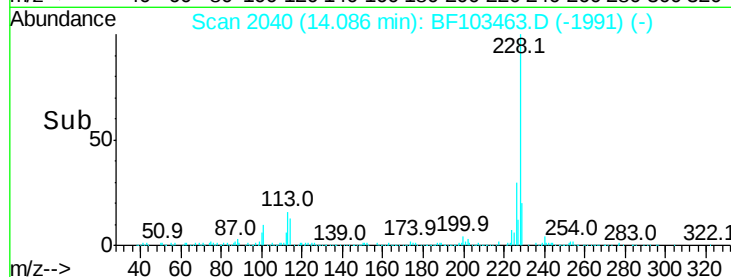
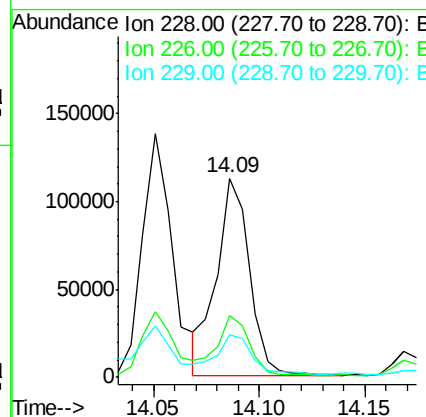
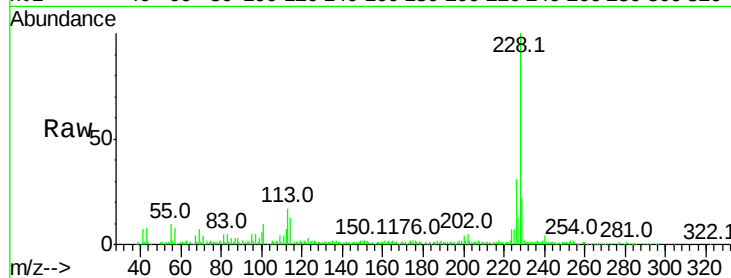




#82
Chrysene
Concen: 6.690 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF103463.D
Acq: 6 Mar 2018 18:50

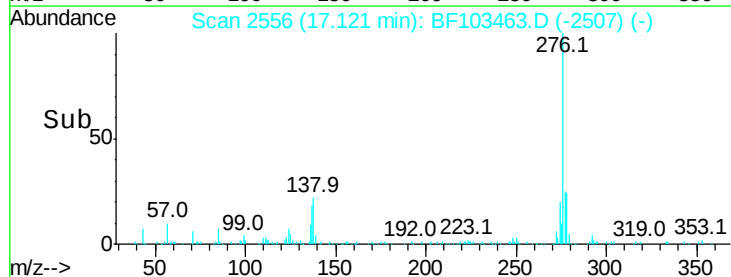
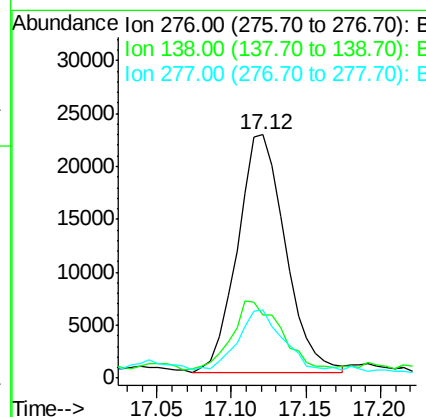
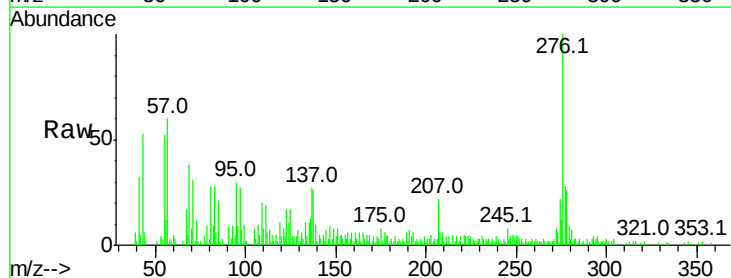
Instrument :
BNA_F
ClientSampleId :

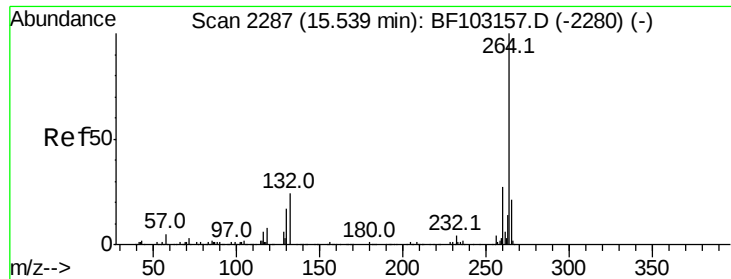
Tot Ion:228 Resp: 123458
Ion Ratio Lower Upper
228 100
226 30.8 25.0 37.6
229 21.5 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.430 ng
RT: 17.12 min Scan# 2556
Delta R.T. -0.01 min
Lab File: BF103463.D
Acq: 6 Mar 2018 18:50

Tgt Ion:276 Resp: 50112
Ion Ratio Lower Upper
276 100
138 29.4 25.0 37.6
277 23.8 20.1 30.1



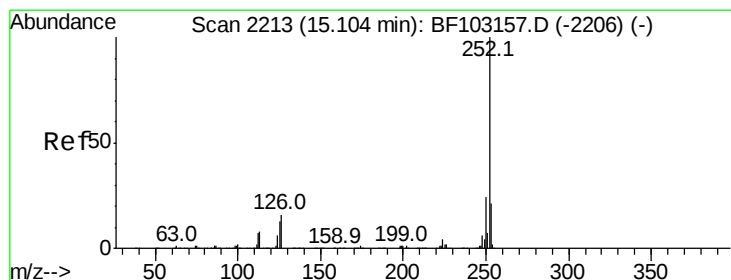
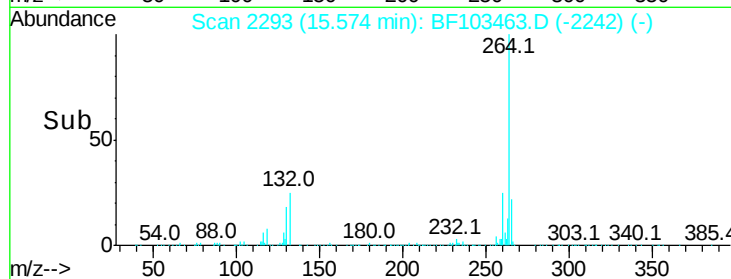
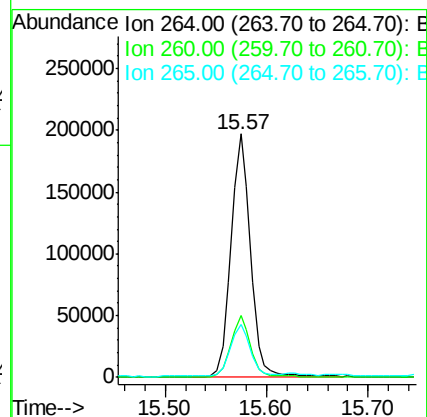
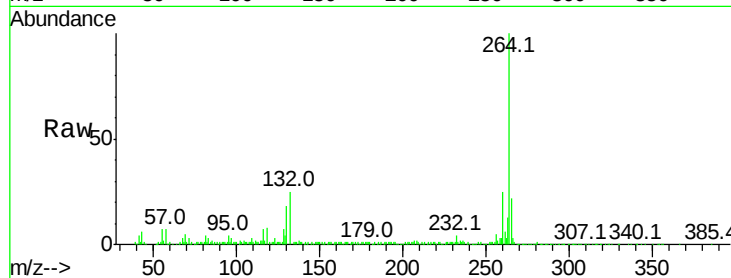


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: BF103463.D
Acq: 6 Mar 2018 18:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 261705

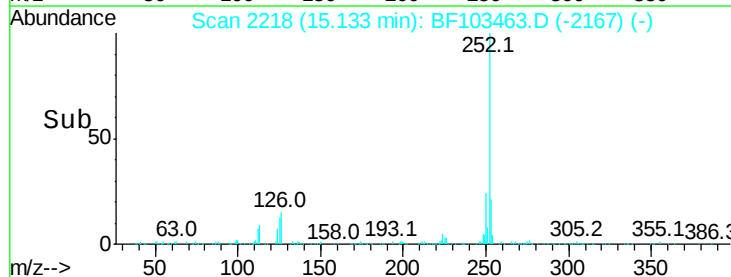
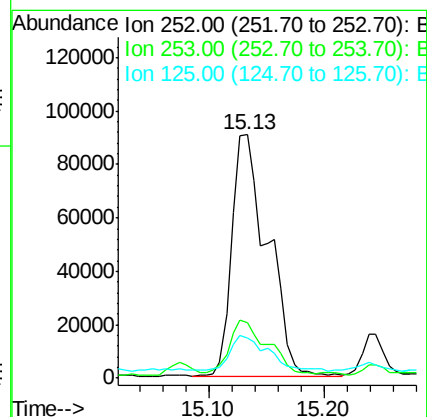
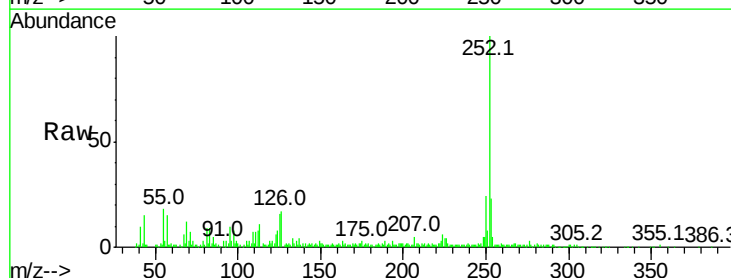
Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.2	28.8
265	22.0	17.5	26.3

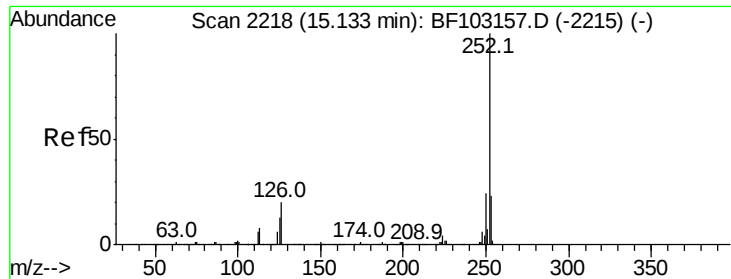


#87
Benzo(b)fluoranthene
Concen: 11.288 ng
RT: 15.13 min Scan# 2218
Delta R.T. 0.00 min
Lab File: BF103463.D
Acq: 6 Mar 2018 18:50

Tgt Ion:252 Resp: 194237

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	16.4	9.0	13.6

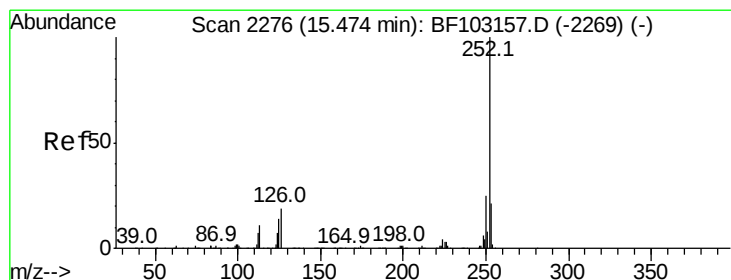
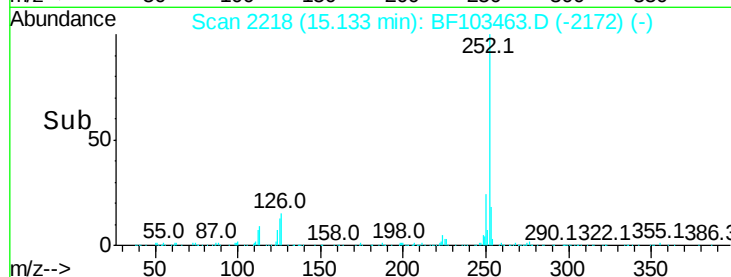
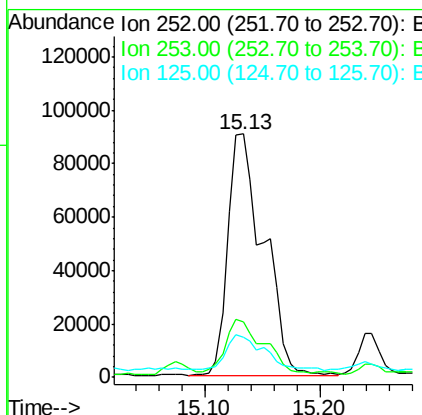
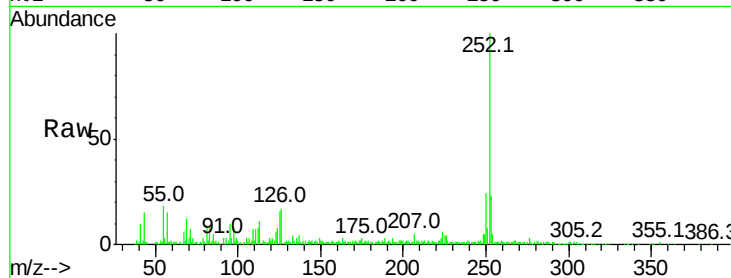




#88
Benzo(k)fluoranthene
Concen: 11.988 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.03 min
Lab File: BF103463.D
Acq: 6 Mar 2018 18:50

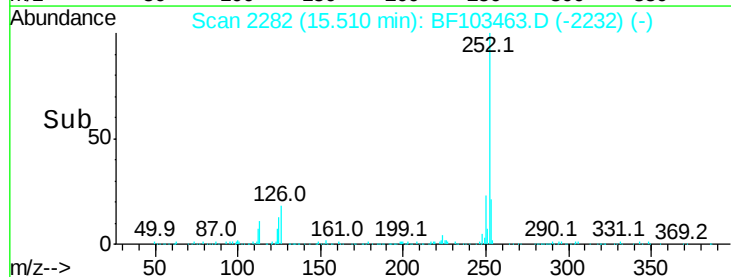
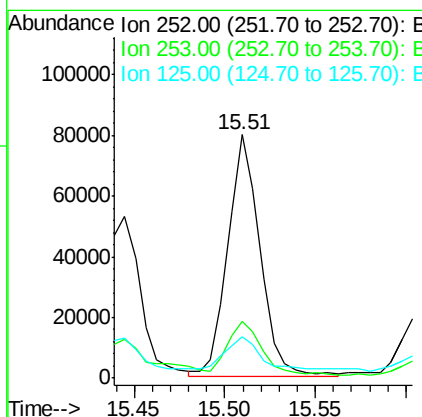
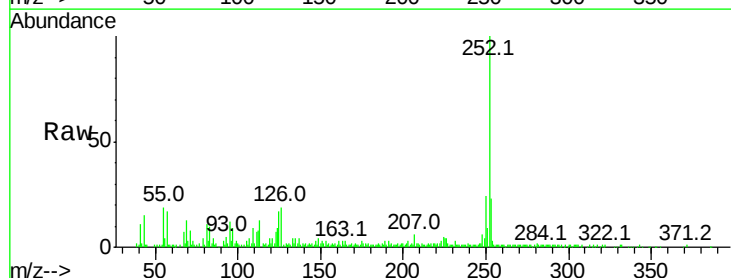
Instrument :
BNA_F
ClientSampleId :

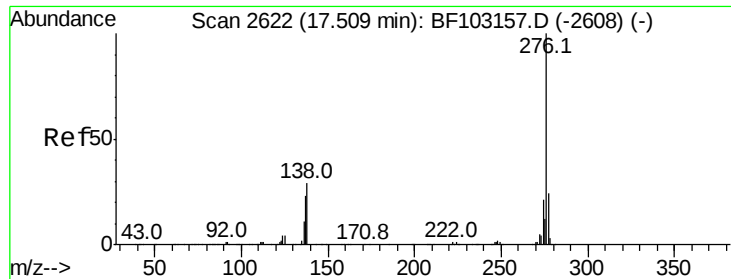
Tot Ion:252 Resp: 194237
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 16.4 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 6.419 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF103463.D
Acq: 6 Mar 2018 18:50

Tgt Ion:252 Resp: 98634
Ion Ratio Lower Upper
252 100
253 23.1 17.1 25.7
125 17.0 9.8 14.6#





#91

Benzo(a,h,i)perylene

Concen: 4.232 ng

RT: 17.59 min Scan# 2635

Delta R.T. -0.01 min

Lab File: BF103463.D

Acq: 6 Mar 2018 18:50

Instrument :

BNA_F

ClientSampleId :

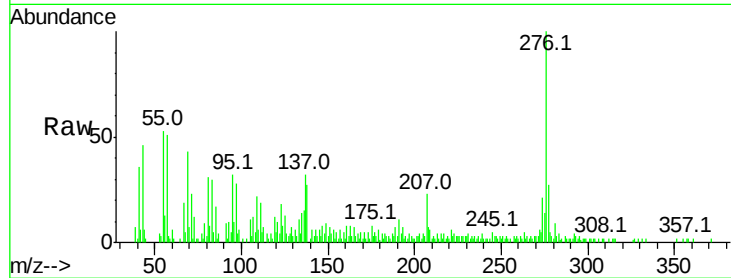
Tot Ion:276 Resp: 49105

Ion Ratio Lower Upper

276 100

277 26.5 17.9 26.9

138 27.5 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

