

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030618\
 Data File : BF103451.D
 Acq On : 6 Mar 2018 13:10
 Operator : SJ/JU
 Sample : J1723-03RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 06 14:50:42 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	125936	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	527180	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	223208	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	352437	20.00	ng	0.00
75) Chrysene-d12	14.06	240	210024	20.00	ng	0.00
86) Perylene-d12	15.58	264	188546	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	635468	76.32	ng	0.00
7) Phenol-d6	6.51	99	778969	76.45	ng	0.00
23) Nitrobenzene-d5	7.44	82	483289	52.35	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	110750	58.62	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	716231	49.84	ng	0.00
78) Terphenyl-d14	12.99	244	480008	54.94	ng	0.00

Target Compounds

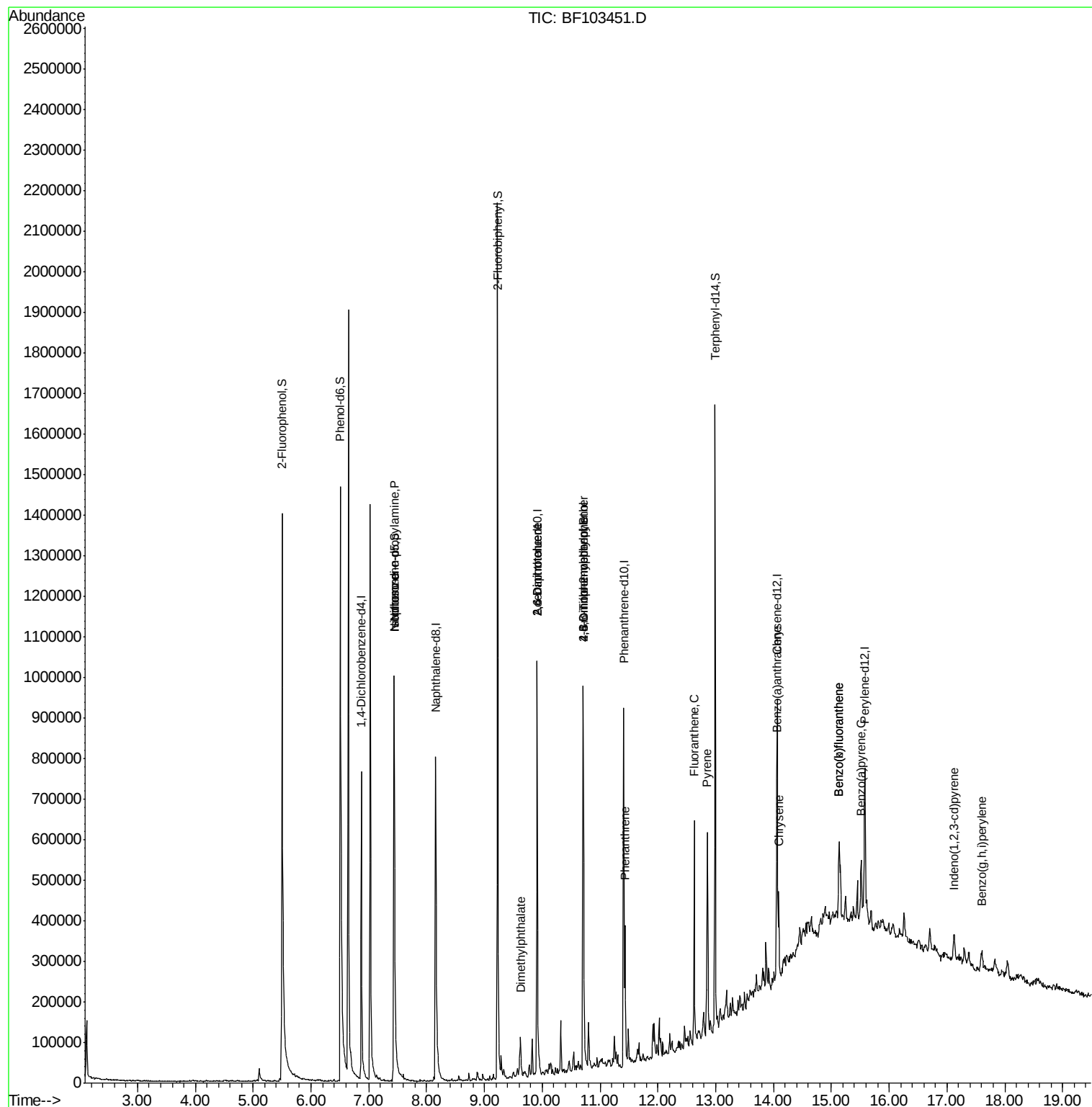
						Qvalue
9) Benzaldehyde	6.50	77	1889	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.44	70	64368	10.151 ng	#	85
25) Isophorone	7.44	82	483289	26.582 ng	#	64
49) Dimethylphthalate	9.62	163	43058	2.405 ng		99
50) 2,6-Dinitrotoluene	9.91	165	29548	7.863 ng	#	25
56) 2,4-Dinitrotoluene	9.91	165	29807	6.272 ng	#	23
64) 4,6-Dinitro-2-methylphenol	10.70	198	232	5.042 ng	#	1
66) 4-Bromophenyl-phenylether	10.71	248	7768	2.116 ng	#	1
70) Phenanthrene	11.43	178	130299	6.718 ng		98
74) Fluoranthene	12.63	202	215632	11.063 ng		98
77) Pyrene	12.86	202	213769	13.055 ng		99
80) Benzo(a)anthracene	14.05	228	96701	7.096 ng		97
82) Chrysene	14.09	228	89942	6.798 ng		97
85) Indeno(1,2,3-cd)pyrene	17.13	276	39831	3.802 ng		96
87) Benzo(b)fluoranthene	15.13	252	149229	12.038 ng	#	89
88) Benzo(k)fluoranthene	15.13	252	149229	12.784 ng	#	92
89) Benzo(a)pyrene	15.52	252	75502	6.820 ng	#	91
91) Benzo(g,h,i)perylene	17.60	276	36445	4.359 ng	#	93

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

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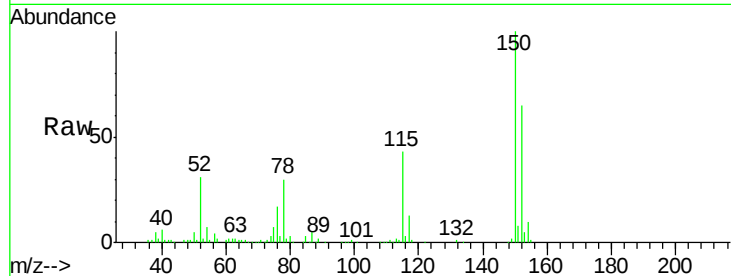


#1

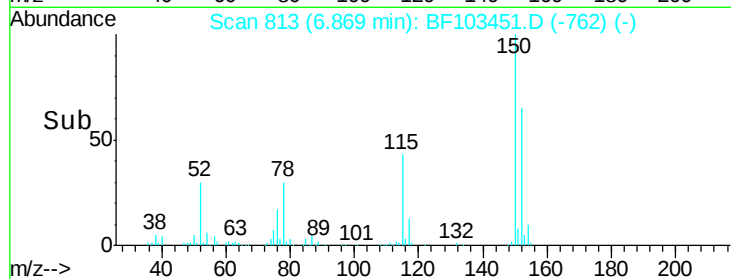
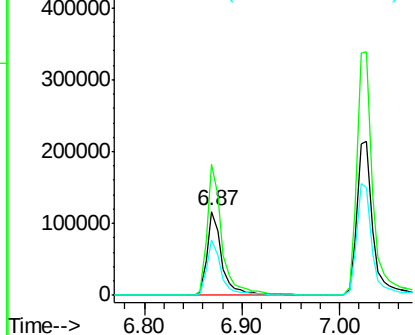
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF103451.D
Acq: 6 Mar 2018 13:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 125936
Ion Ratio Lower Upper
152 100
150 154.9 124.6 186.8
115 66.7 50.1 75.1



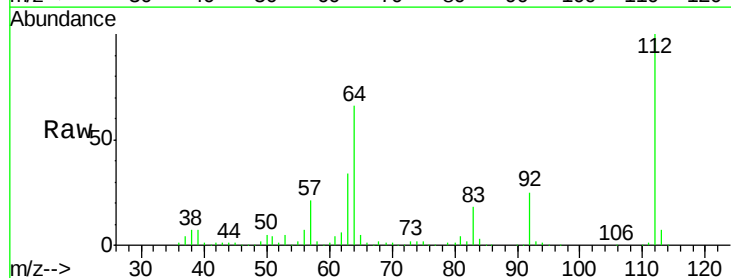
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



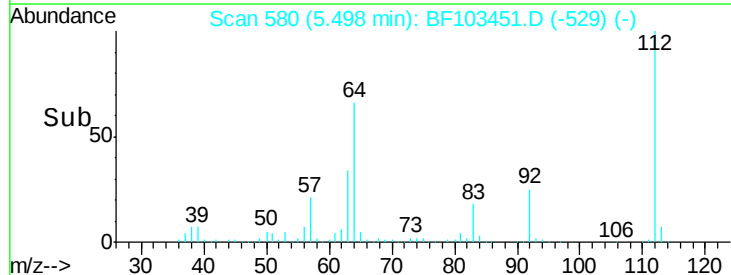
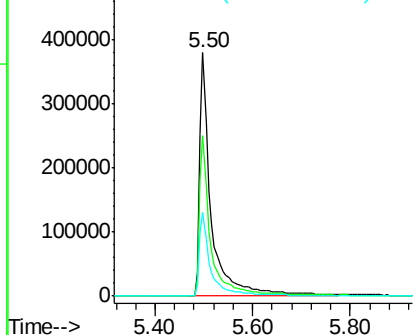
#5

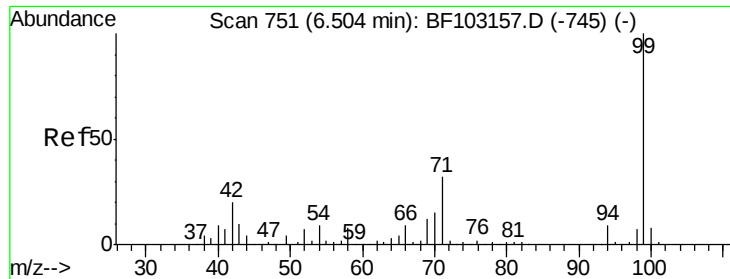
2-Fluorophenol
Concen: 76.317 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.00 min
Lab File: BF103451.D
Acq: 6 Mar 2018 13:10

Tgt Ion:112 Resp: 635468
Ion Ratio Lower Upper
112 100
64 65.8 47.9 71.9
63 34.4 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: 76.452 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF103451.D

Acq: 6 Mar 2018 13:10

Instrument :

BNA_F

ClientSampleId :

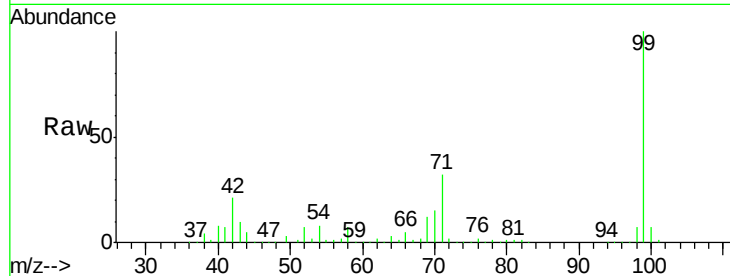
Tot Ion: 99 Resp: 778969

Ion Ratio Lower Upper

99 100

42 21.0 14.5 21.7

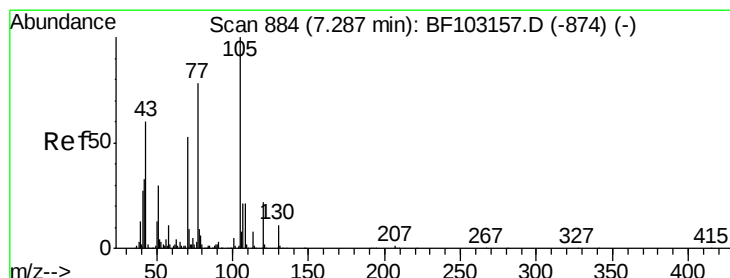
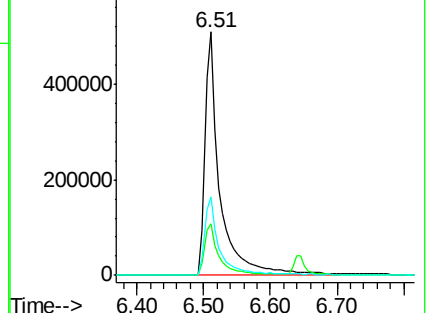
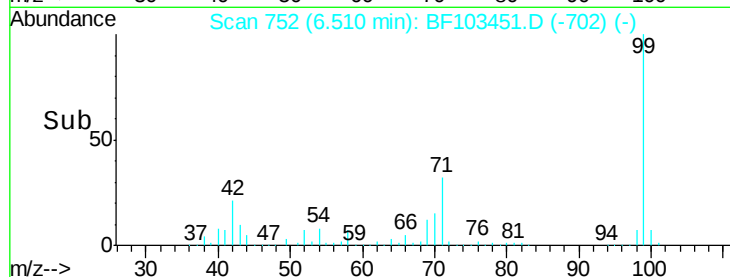
71 32.1 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 10.151 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103451.D

Acq: 6 Mar 2018 13:10

Tgt Ion: 70 Resp: 64368

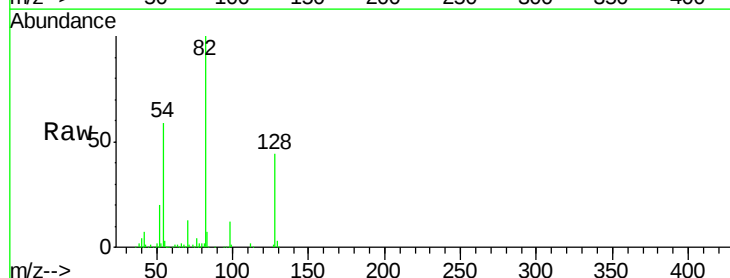
Ion Ratio Lower Upper

70 100

42 56.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

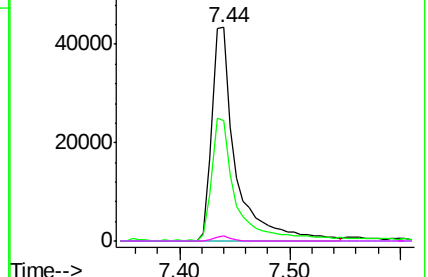
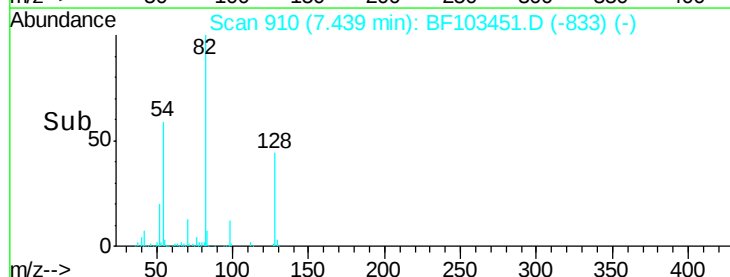


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

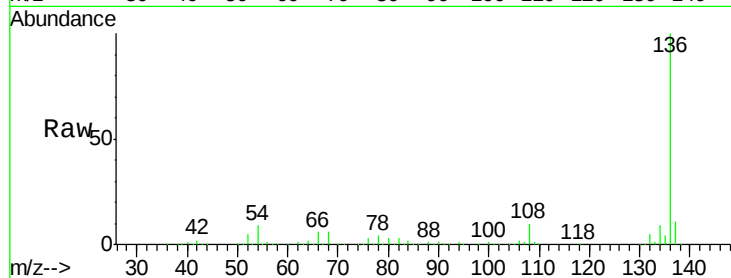




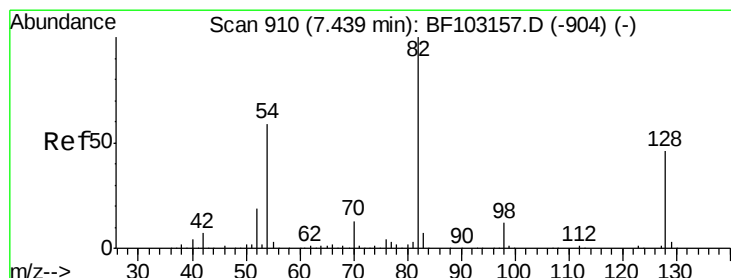
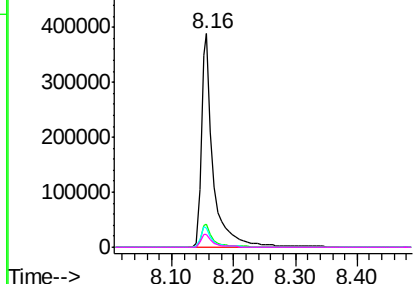
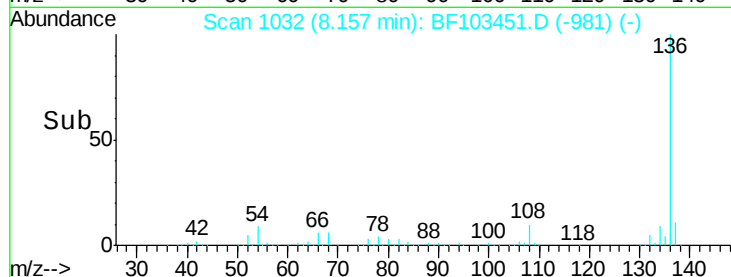
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF103451.D
Acq: 6 Mar 2018 13:10

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	527180
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	8.8	6.6 9.8
68	6.3	5.0 7.4

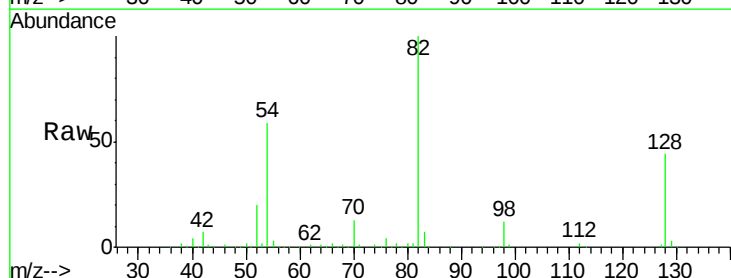


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

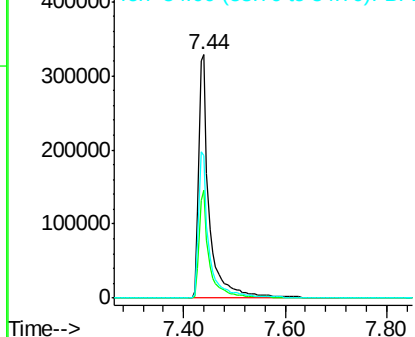
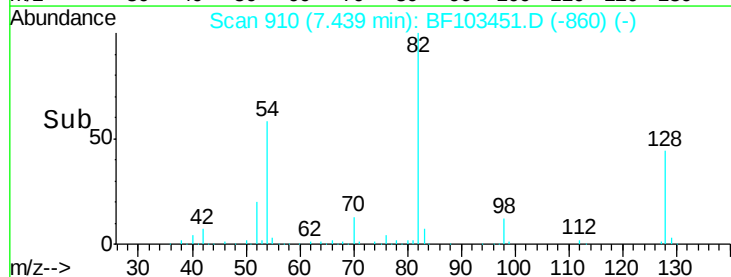


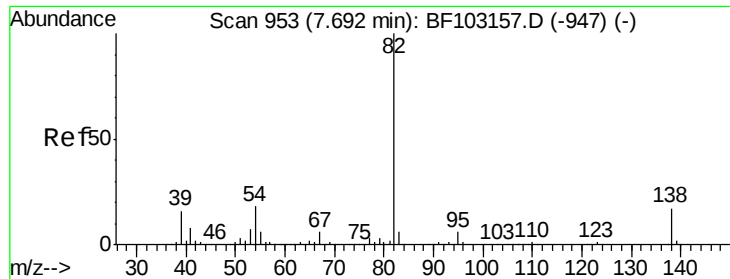
#23
Nitrobenzene-d5
Concen: 52.354 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103451.D
Acq: 6 Mar 2018 13:10

Tgt Ion: 82	Resp:	483289
Ion Ratio	Lower	Upper
82	100	
128	44.4	36.1 54.1
54	58.5	41.4 62.2



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





#25

Isophorone

Concen: 26.582 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.25 min

Lab File: BF103451.D

Acq: 6 Mar 2018 13:10

Instrument :

BNA_F

ClientSampled :

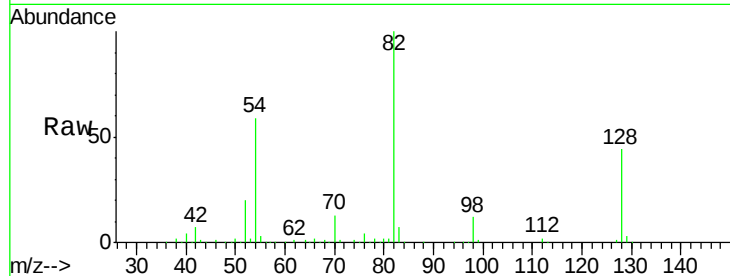
Tot Ion: 82 Resp: 483289

Ion Ratio Lower Upper

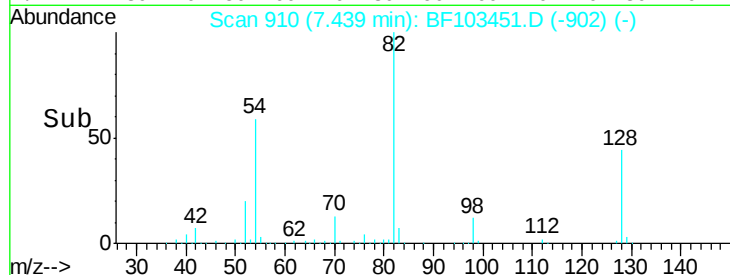
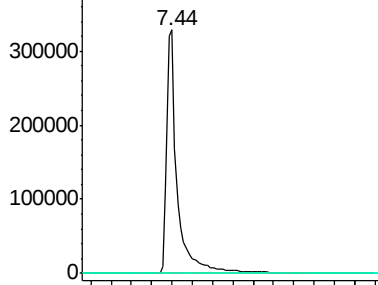
82 100

95 0.0 5.2 7.8#

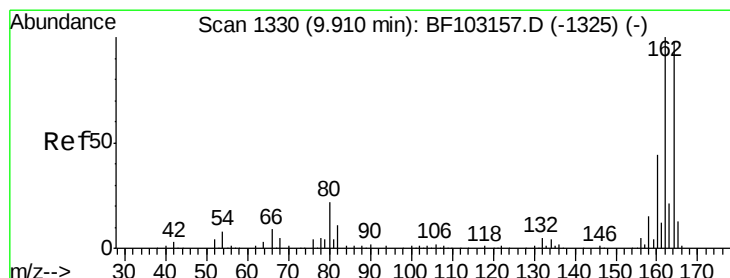
138 0.0 14.9 22.3#



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



Time-->



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF103451.D

Acq: 6 Mar 2018 13:10

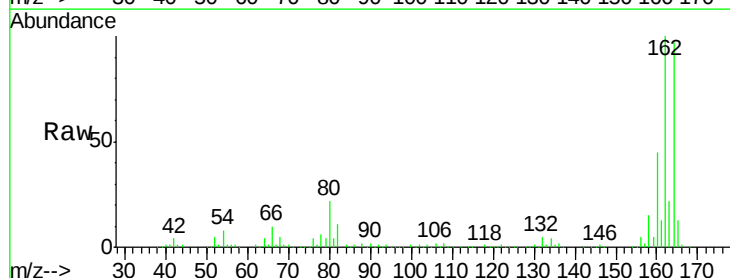
Tgt Ion:164 Resp: 223208

Ion Ratio Lower Upper

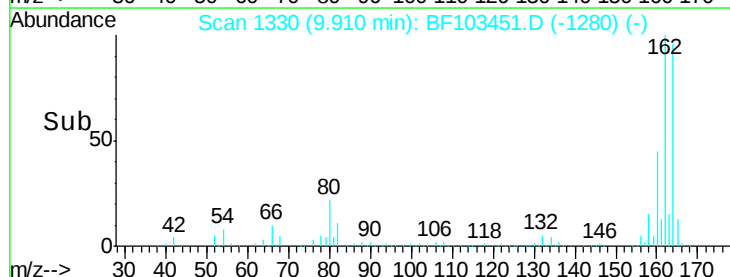
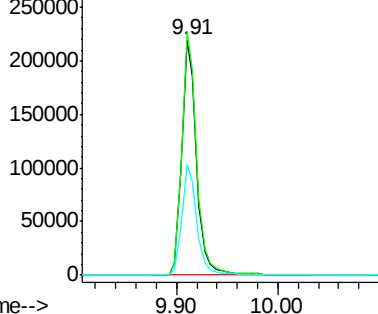
164 100

162 103.6 86.1 129.1

160 47.1 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

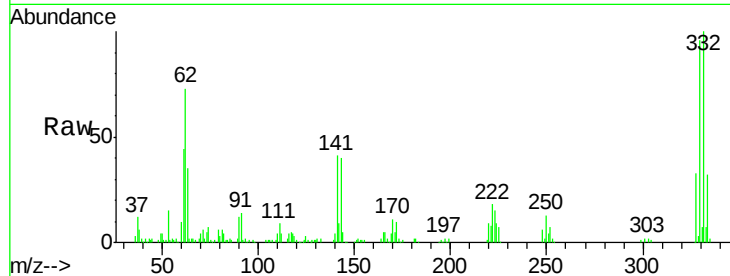




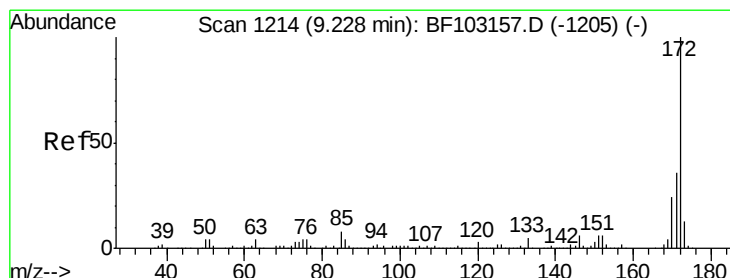
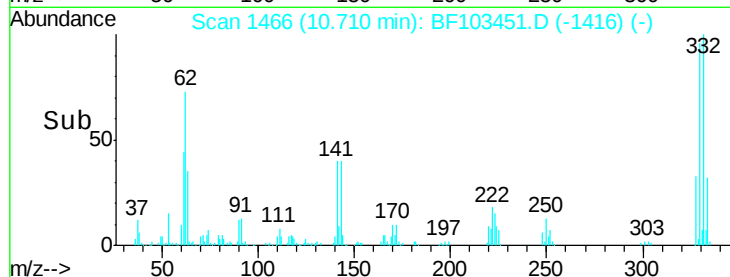
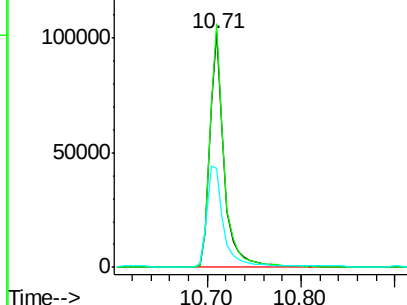
#41
 2,4,6-Tribromophenol
 Concen: 58.619 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF103451.D
 Acq: 6 Mar 2018 13:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	102.1	77.0	115.6
141	50.8	29.9	44.9

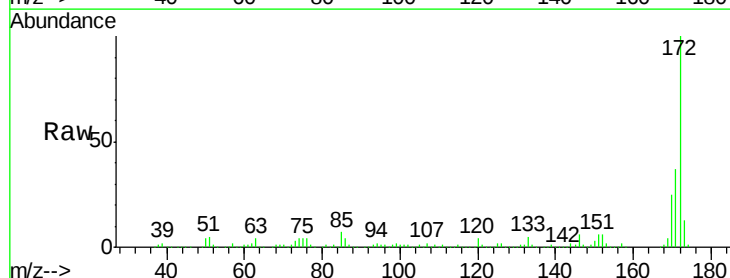


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

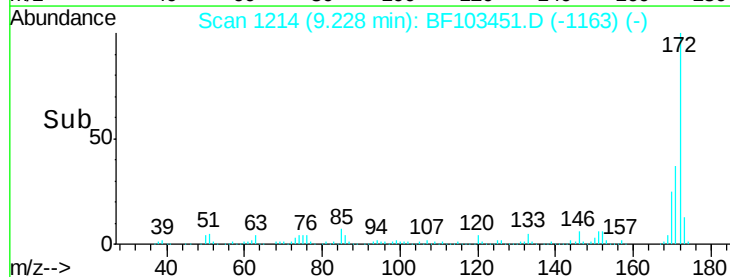
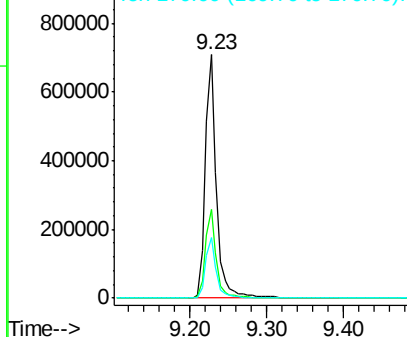


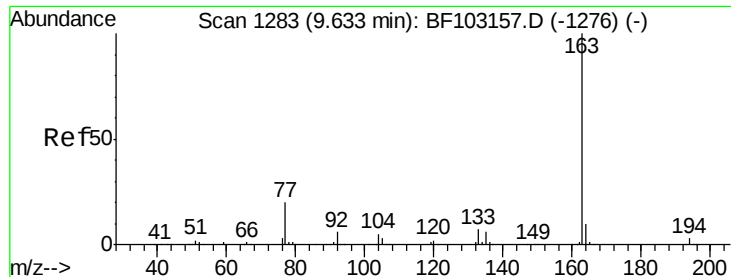
#44
 2-Fluorobiphenyl
 Concen: 49.836 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: BF103451.D
 Acq: 6 Mar 2018 13:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.7	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

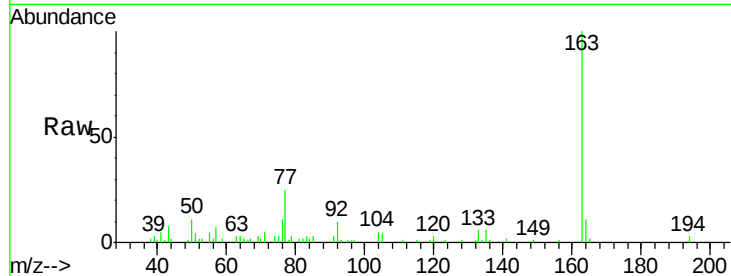




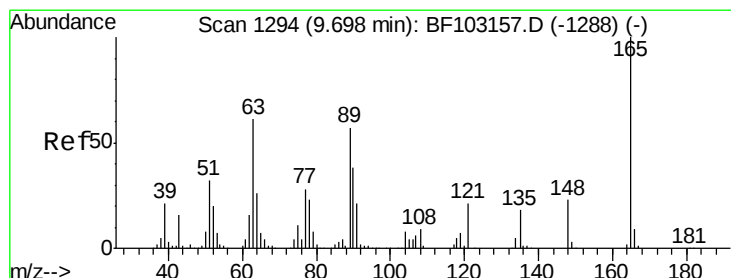
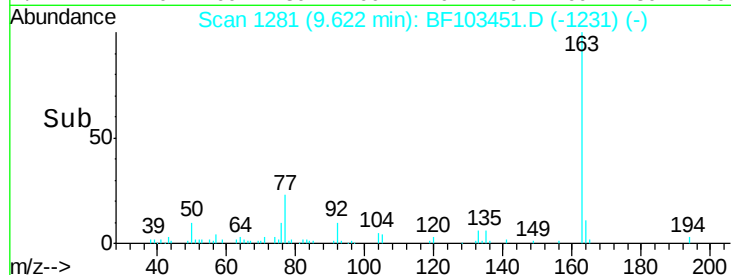
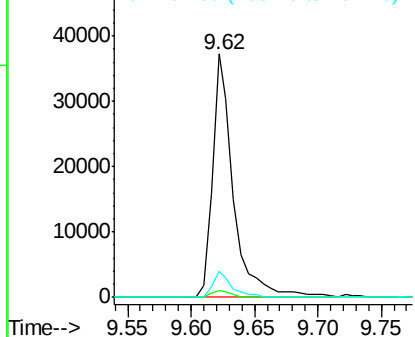
#49
Dimethylphthalate
Concen: 2.405 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103451.D
Acq: 6 Mar 2018 13:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 43058
Ion Ratio Lower Upper
163 100
194 3.0 2.7 4.1
164 10.7 8.2 12.2

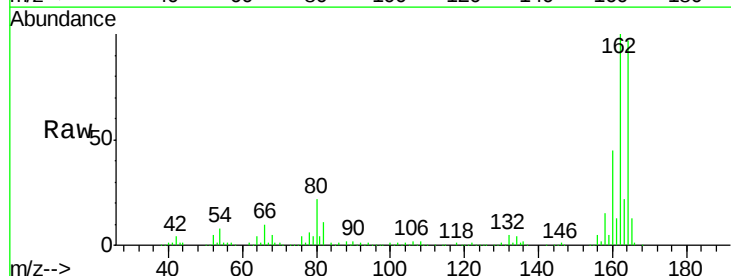


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

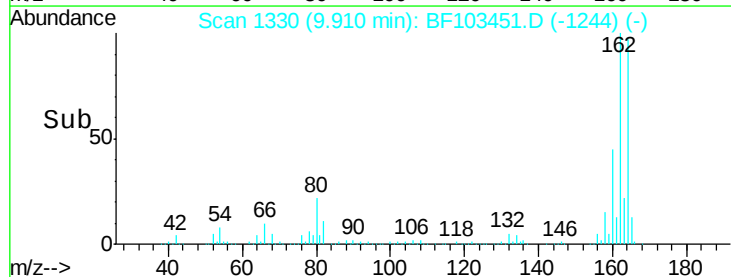
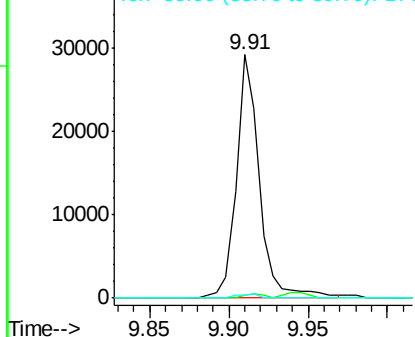


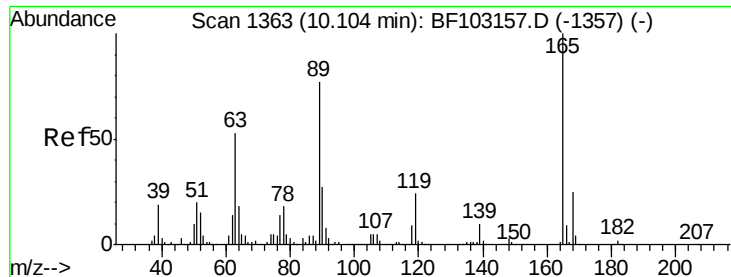
#50
2,6-Dinitrotoluene
Concen: 7.863 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.21 min
Lab File: BF103451.D
Acq: 6 Mar 2018 13:10

Tgt Ion:165 Resp: 29548
Ion Ratio Lower Upper
165 100
63 1.2 44.7 67.1#
89 1.5 44.0 66.0#



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

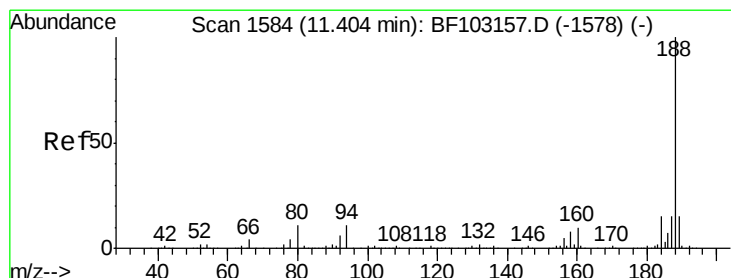
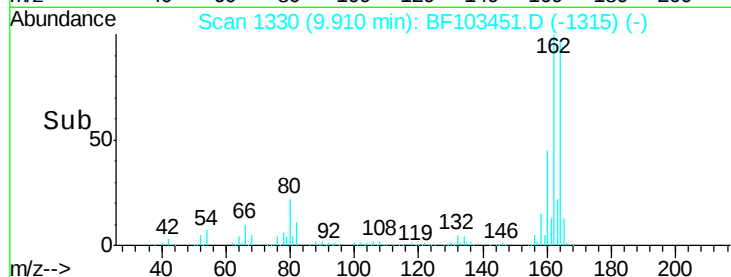
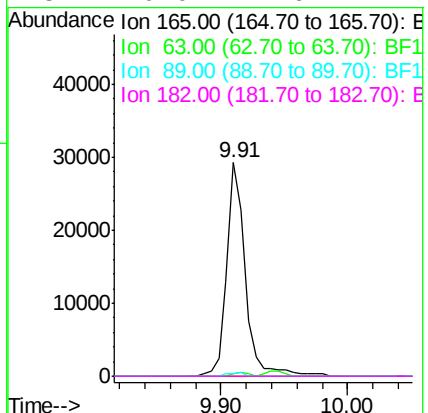
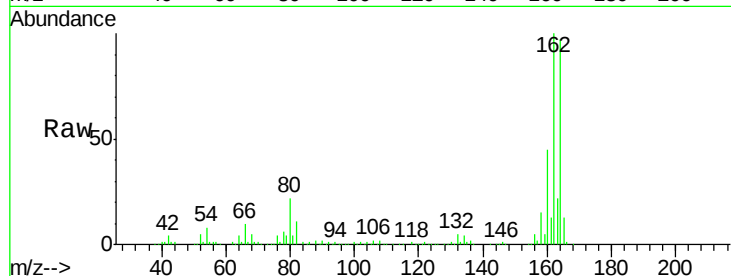




#56
 2,4-Dinitrotoluene
 Concen: 6.272 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.21 min
 Lab File: BF103451.D
 Acq: 6 Mar 2018 13:10

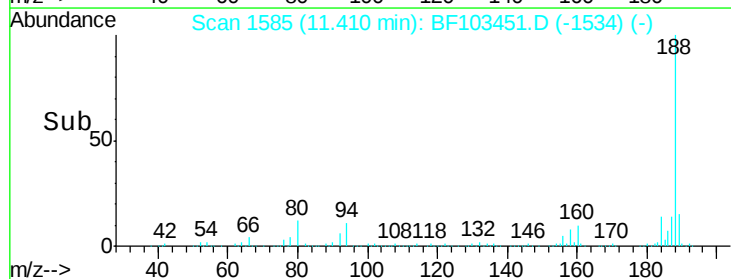
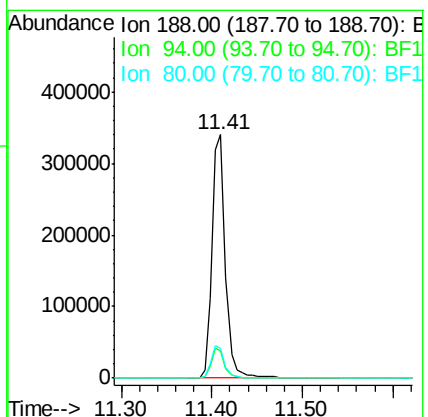
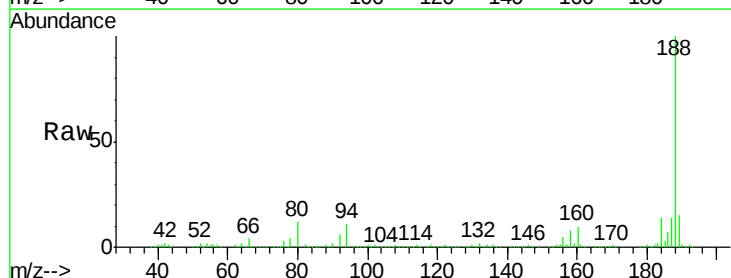
Instrument :
 BNA_F
 ClientSampleId :

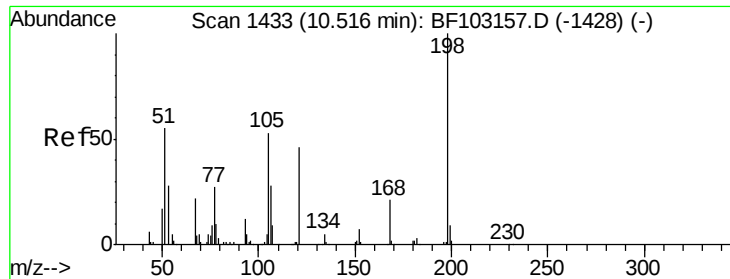
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: BF103451.D
 Acq: 6 Mar 2018 13:10

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.3	8.5	12.7
80	12.2	9.2	13.8

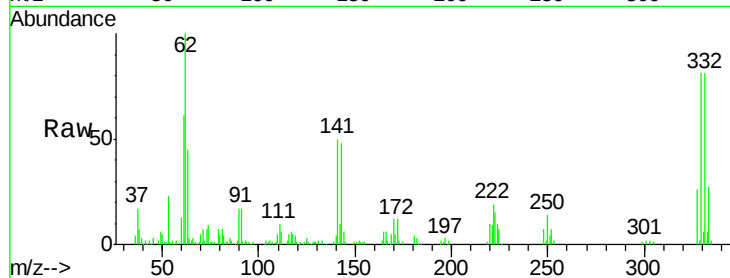




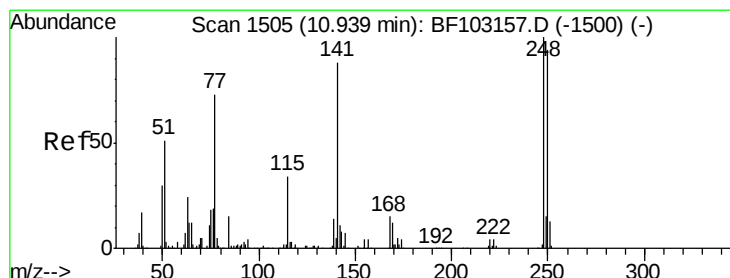
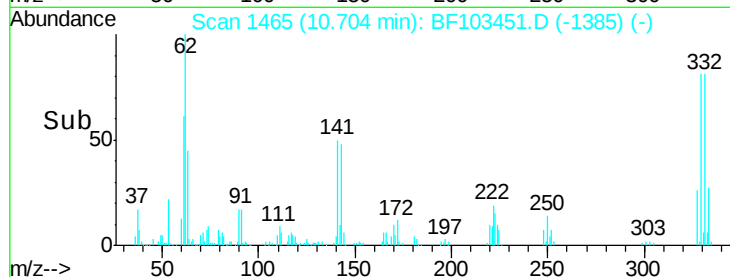
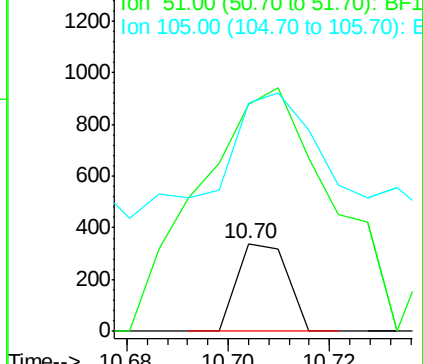
#64
4,6-Dinitro-2-methylphenol
Concen: 5.042 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.17 min
Lab File: BF103451.D
Acq: 6 Mar 2018 13:10

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 232
Ion Ratio Lower Upper
198 100
51 259.8 37.7 77.7#
105 260.4 36.3 76.3#

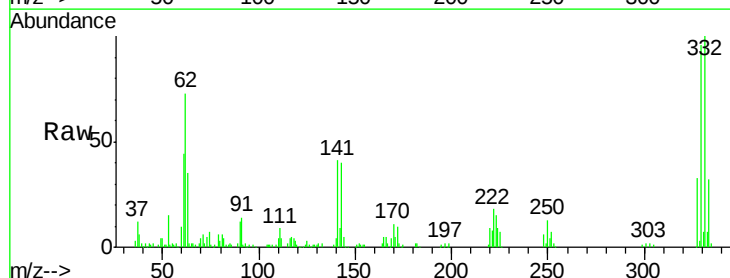


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

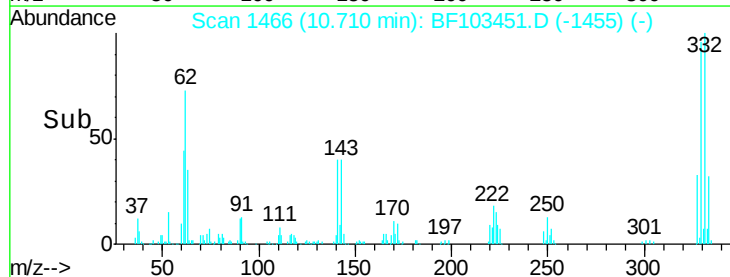
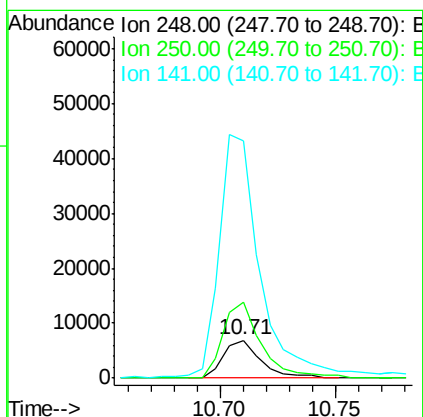


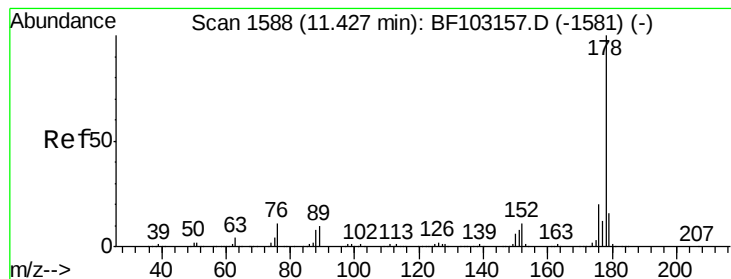
#66
4-Bromophenyl-phenylether
Concen: 2.116 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF103451.D
Acq: 6 Mar 2018 13:10

Tgt Ion:248 Resp: 7768
Ion Ratio Lower Upper
248 100
250 202.4 76.9 115.3#
141 628.7 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: 6.718 ng

RT: 11.43 min Scan# 1589

Delta R.T. 0.00 min

Lab File: BF103451.D

Acq: 6 Mar 2018 13:10

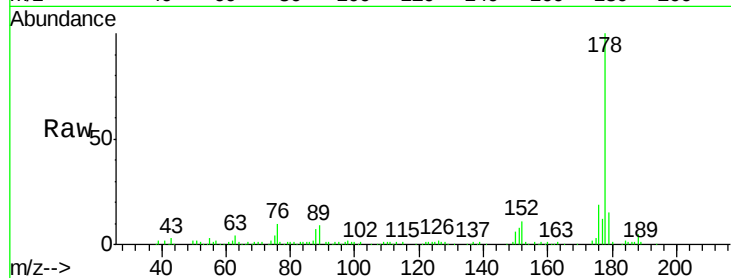
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 130299

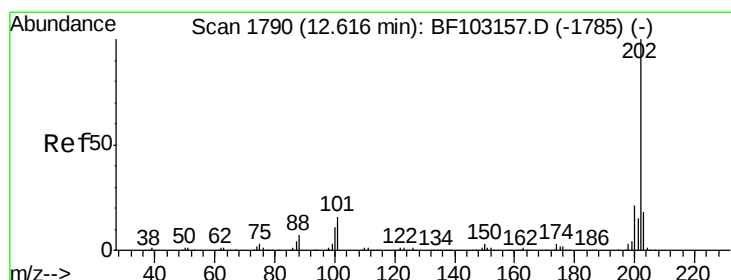
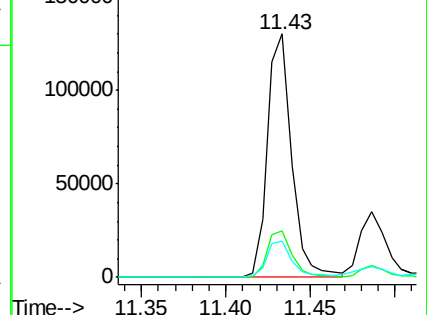
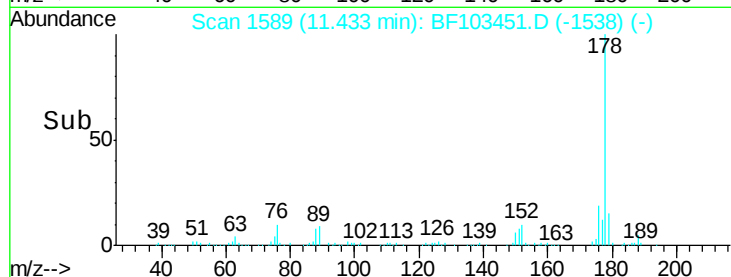
Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.1	13.0	19.6



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: 11.063 ng

RT: 12.63 min Scan# 1792

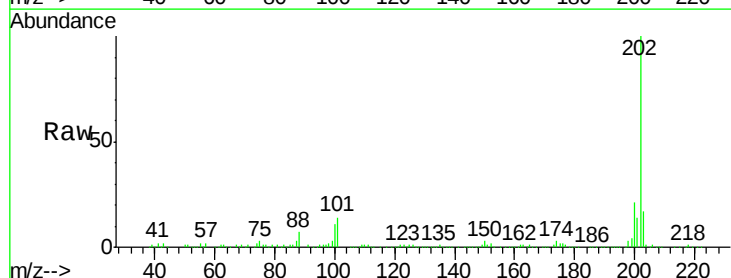
Delta R.T. -0.01 min

Lab File: BF103451.D

Acq: 6 Mar 2018 13:10

Tgt Ion:202 Resp: 215632

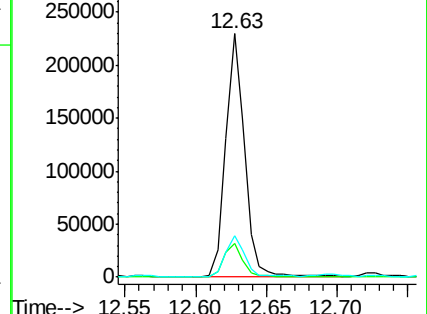
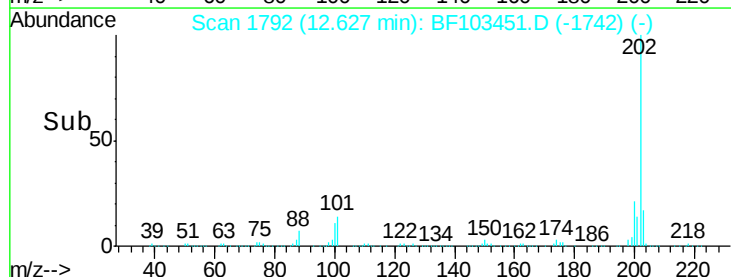
Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	34.1
203	16.8	0.0	38.1

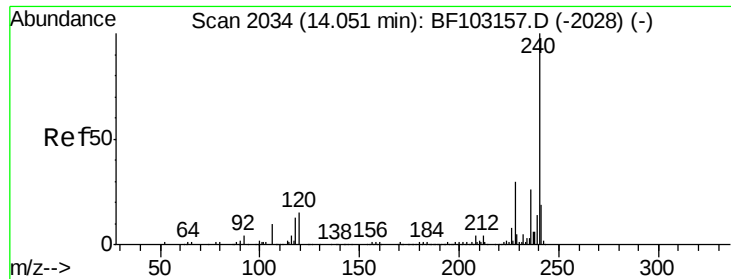


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF103451.D

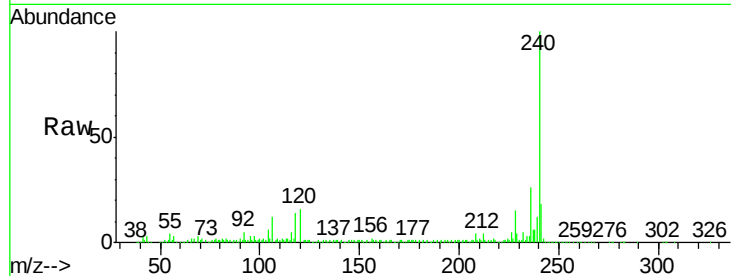
Acq: 6 Mar 2018 13:10

Instrument :

BNA_F

ClientSampled :

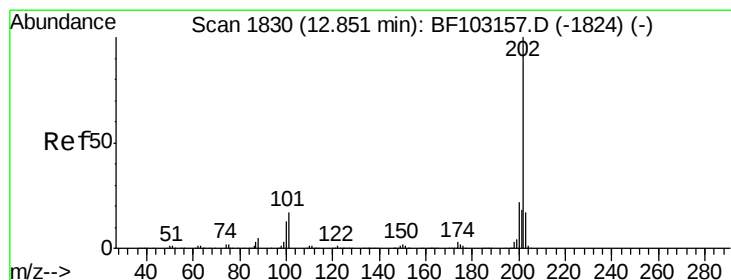
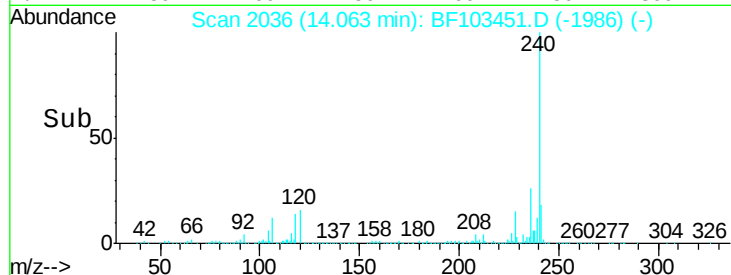
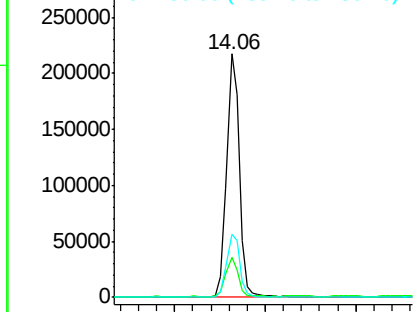
Tot Ion	Ratio	Lower	Upper
240	100		
120	16.5	9.5	14.3#
236	25.9	20.7	31.1



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: 13.055 ng

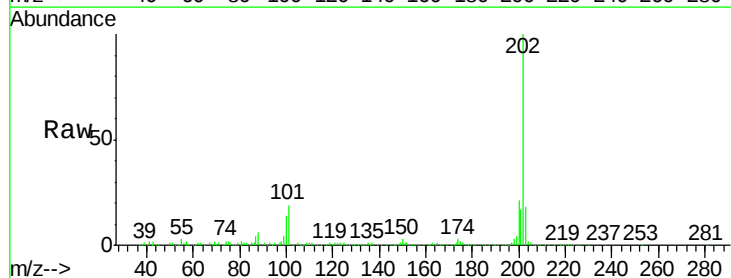
RT: 12.86 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BF103451.D

Acq: 6 Mar 2018 13:10

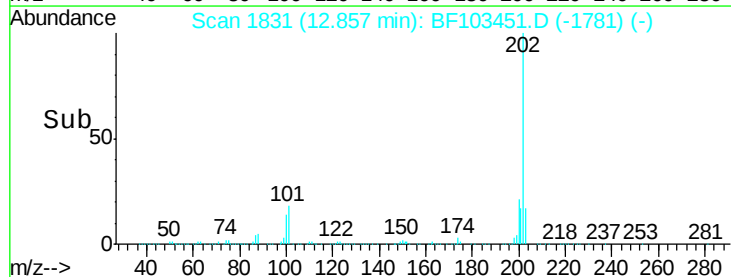
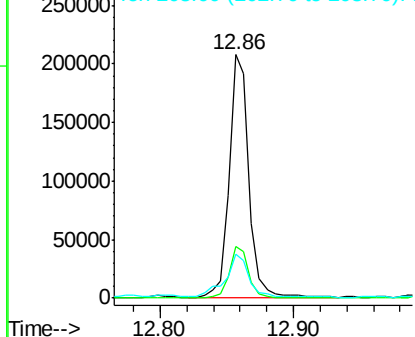
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	18.0	14.3	21.5

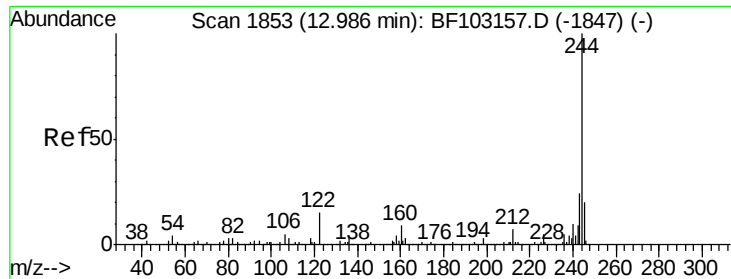


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 54.940 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF103451.D

Acq: 6 Mar 2018 13:10

Instrument :

BNA_F

ClientSampleId :

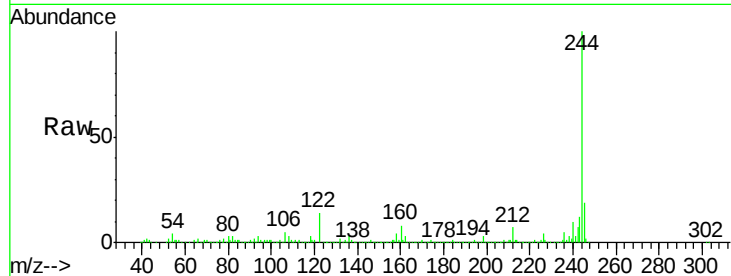
Tot Ion:244 Resp: 480008

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

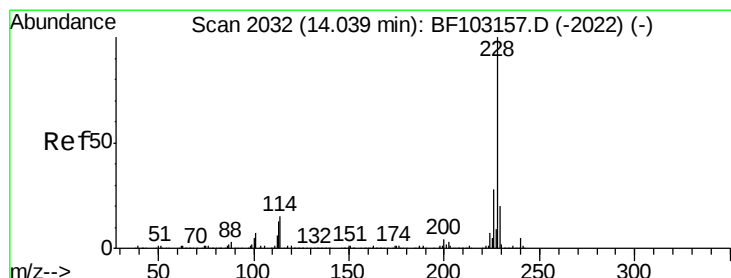
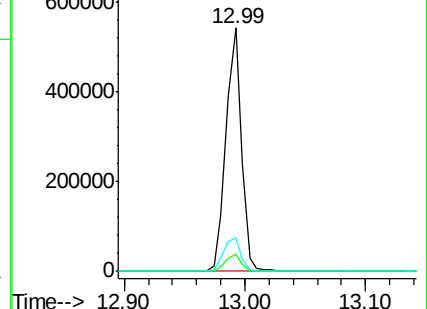
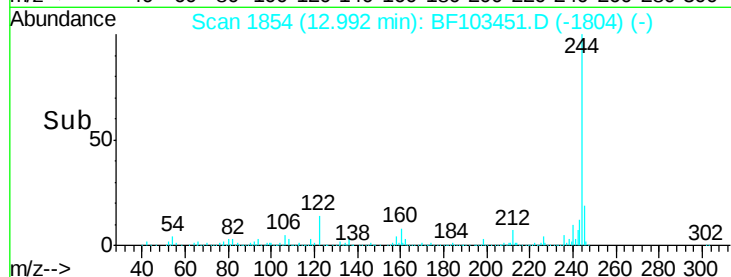
122 13.7 11.0 16.4



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: 7.096 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF103451.D

Acq: 6 Mar 2018 13:10

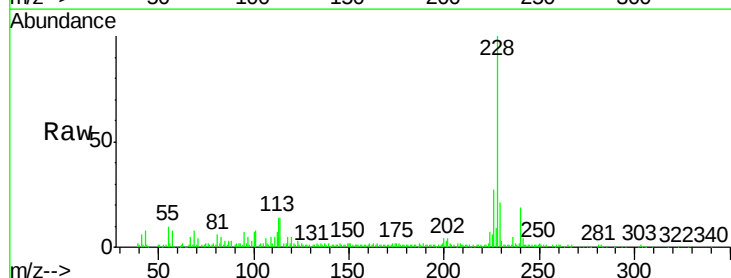
Tgt Ion:228 Resp: 96701

Ion Ratio Lower Upper

228 100

226 27.2 22.6 33.8

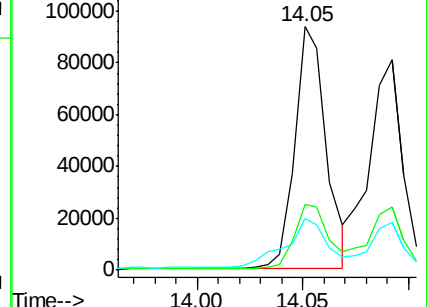
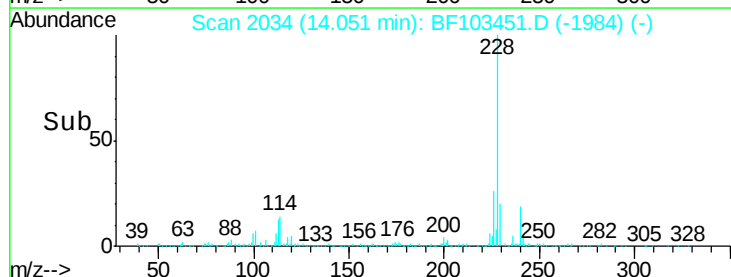
229 21.4 15.8 23.6

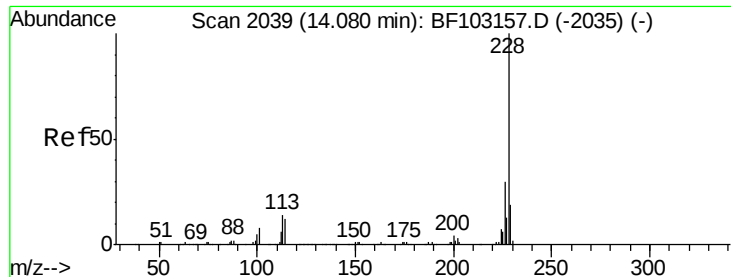


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

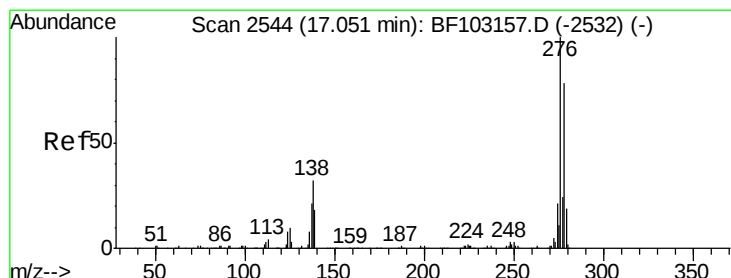
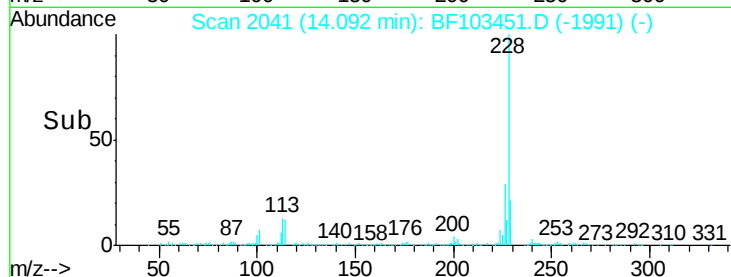
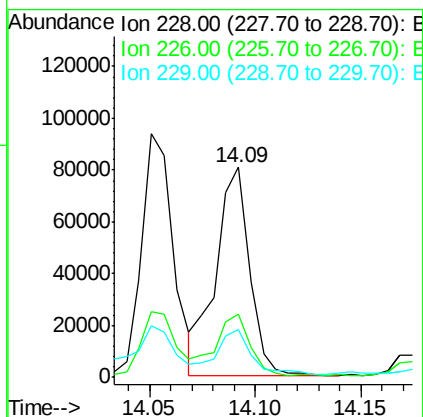
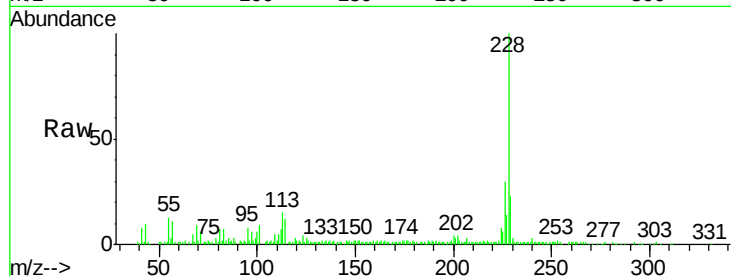




#82
Chrysene
Concen: 6.798 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF103451.D
Acq: 6 Mar 2018 13:10

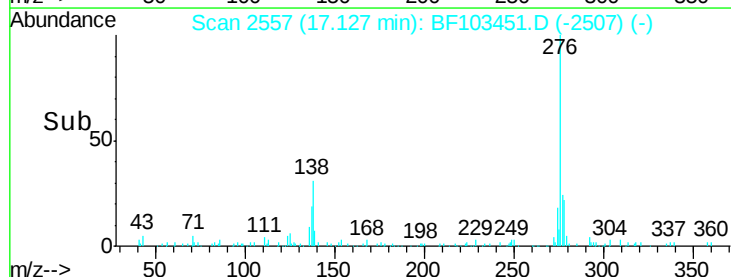
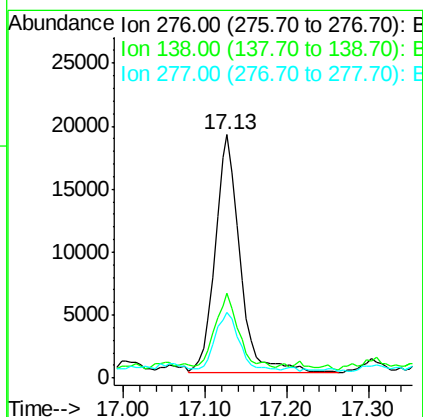
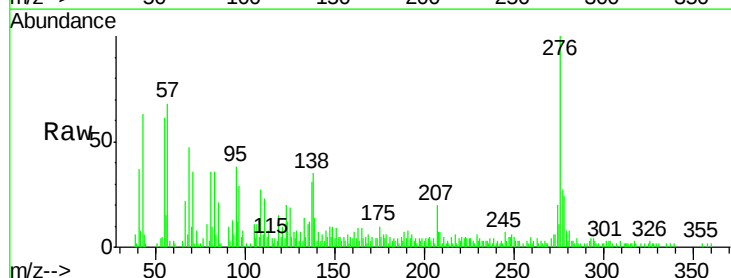
Instrument :
BNA_F
ClientSampleId :

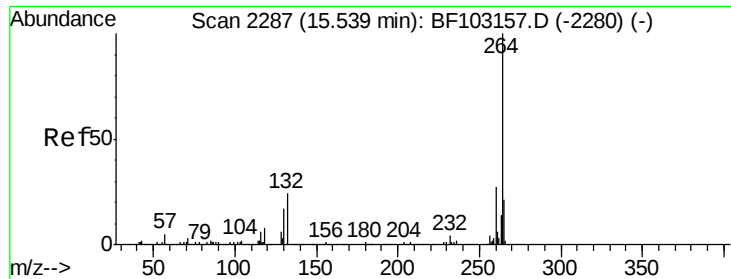
Tot Ion:228 Resp: 89942
Ion Ratio Lower Upper
228 100
226 30.2 25.0 37.6
229 22.5 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.802 ng
RT: 17.13 min Scan# 2557
Delta R.T. -0.01 min
Lab File: BF103451.D
Acq: 6 Mar 2018 13:10

Tgt Ion:276 Resp: 39831
Ion Ratio Lower Upper
276 100
138 30.0 25.0 37.6
277 22.4 20.1 30.1



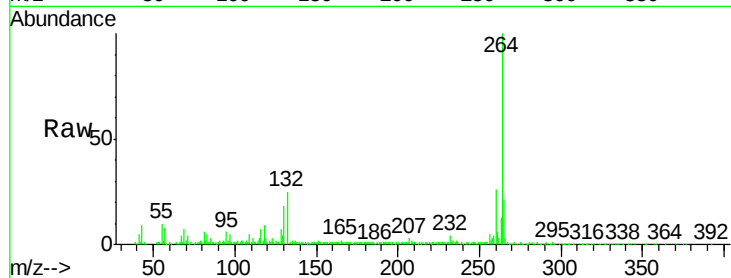


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF103451.D
Acq: 6 Mar 2018 13:10

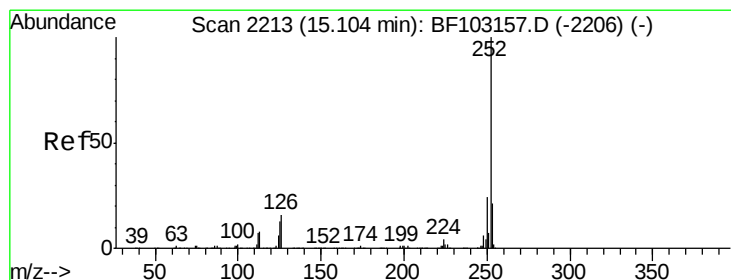
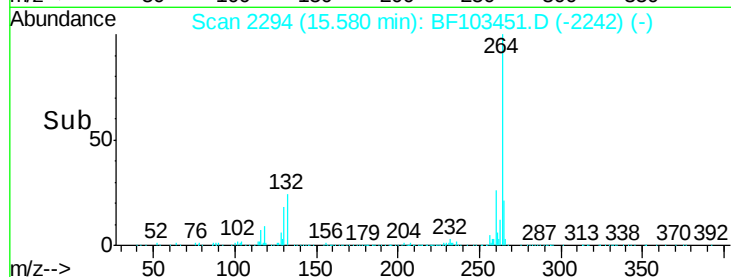
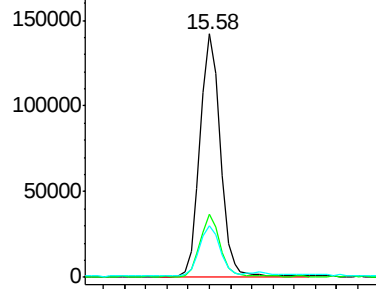
Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 188546

Ion	Ratio	Lower	Upper
264	100		
260	26.1	19.2	28.8
265	21.4	17.5	26.3



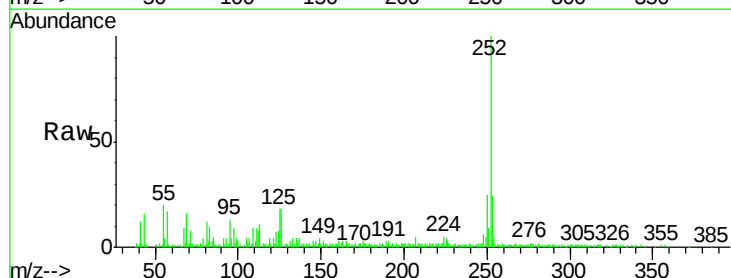
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



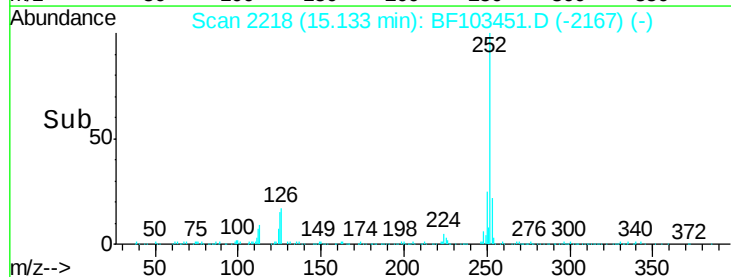
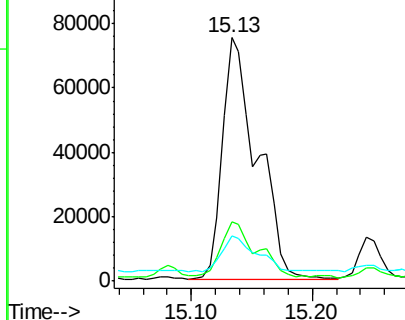
#87
Benzo(b)fluoranthene
Concen: 12.038 ng
RT: 15.13 min Scan# 2218
Delta R.T. 0.00 min
Lab File: BF103451.D
Acq: 6 Mar 2018 13:10

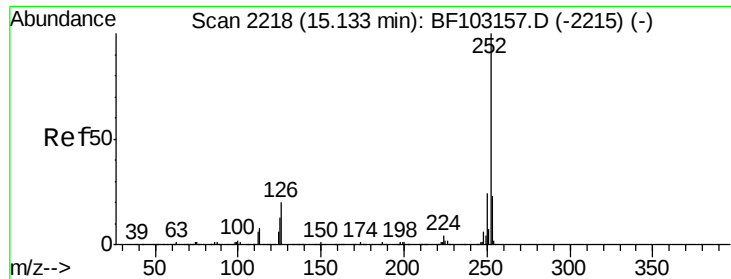
Tgt Ion:252 Resp: 149229

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.0	25.6
125	18.4	9.0	13.6



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

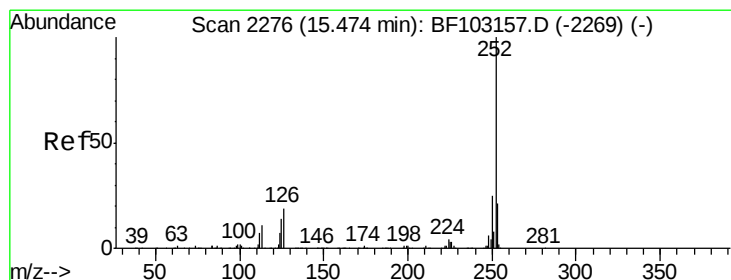
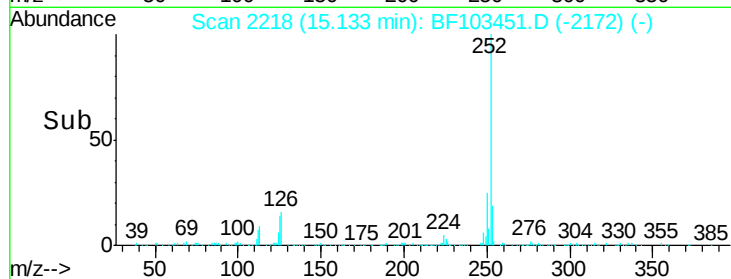
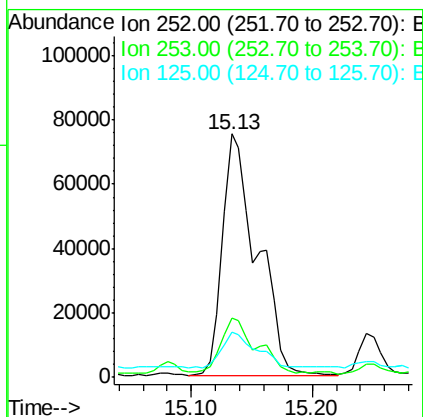
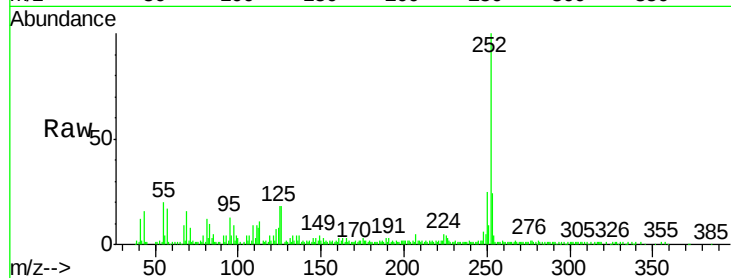




#88
Benzo(k)fluoranthene
Concen: 12.784 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.03 min
Lab File: BF103451.D
Acq: 6 Mar 2018 13:10

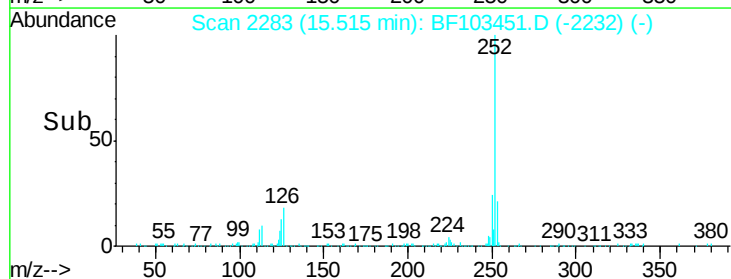
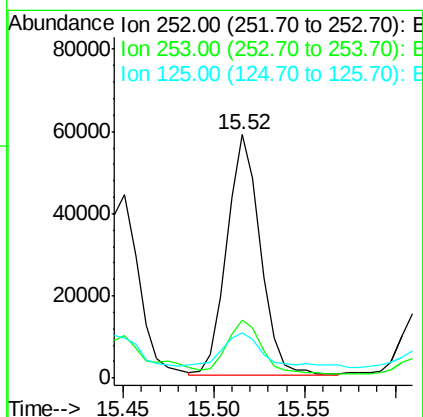
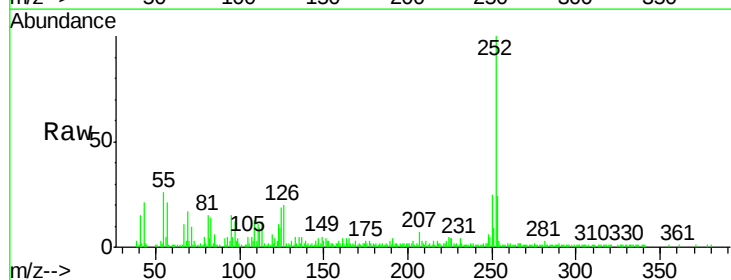
Instrument :
BNA_F
ClientSampleId :

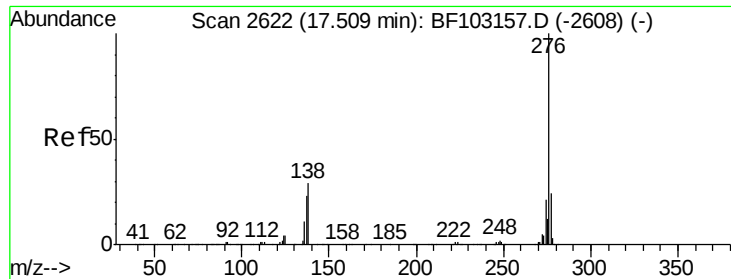
Tot Ion:252 Resp: 149229
Ion Ratio Lower Upper
252 100
253 24.3 17.9 26.9
125 18.4 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 6.820 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.00 min
Lab File: BF103451.D
Acq: 6 Mar 2018 13:10

Tgt Ion:252 Resp: 75502
Ion Ratio Lower Upper
252 100
253 23.9 17.1 25.7
125 18.5 9.8 14.6#

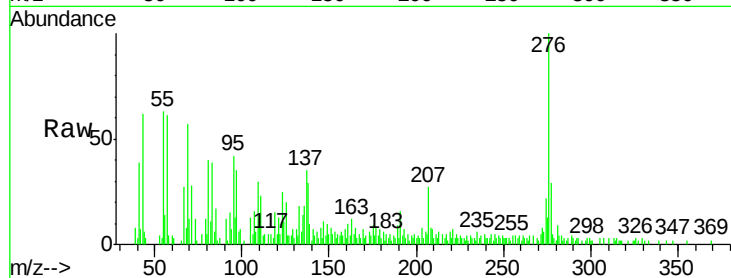




#91
 Benzo(a,h,i)perylene
 Concen: 4.359 ng
 RT: 17.60 min Scan# 2637
 Delta R.T. 0.00 min
 Lab File: BF103451.D
 Acq: 6 Mar 2018 13:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.8	17.9	26.9
138	28.6	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

