

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030718\
 Data File : BF103506.D
 Acq On : 7 Mar 2018 17:33
 Operator : SJ/JU
 Sample : J1811-14
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 08 03:44:45 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	157031	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	639078	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	262313	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	382868	20.00	ng	0.00
75) Chrysene-d12	14.06	240	233013	20.00	ng	0.00
86) Perylene-d12	15.56	264	201626	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	828668	79.81	ng	0.00
7) Phenol-d6	6.50	99	1054482	83.00	ng	0.00
23) Nitrobenzene-d5	7.43	82	776883	69.42	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	140600	63.32	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1050035	65.17	ng	0.00
78) Terphenyl-d14	12.98	244	616120	63.56	ng	0.00

Target Compounds

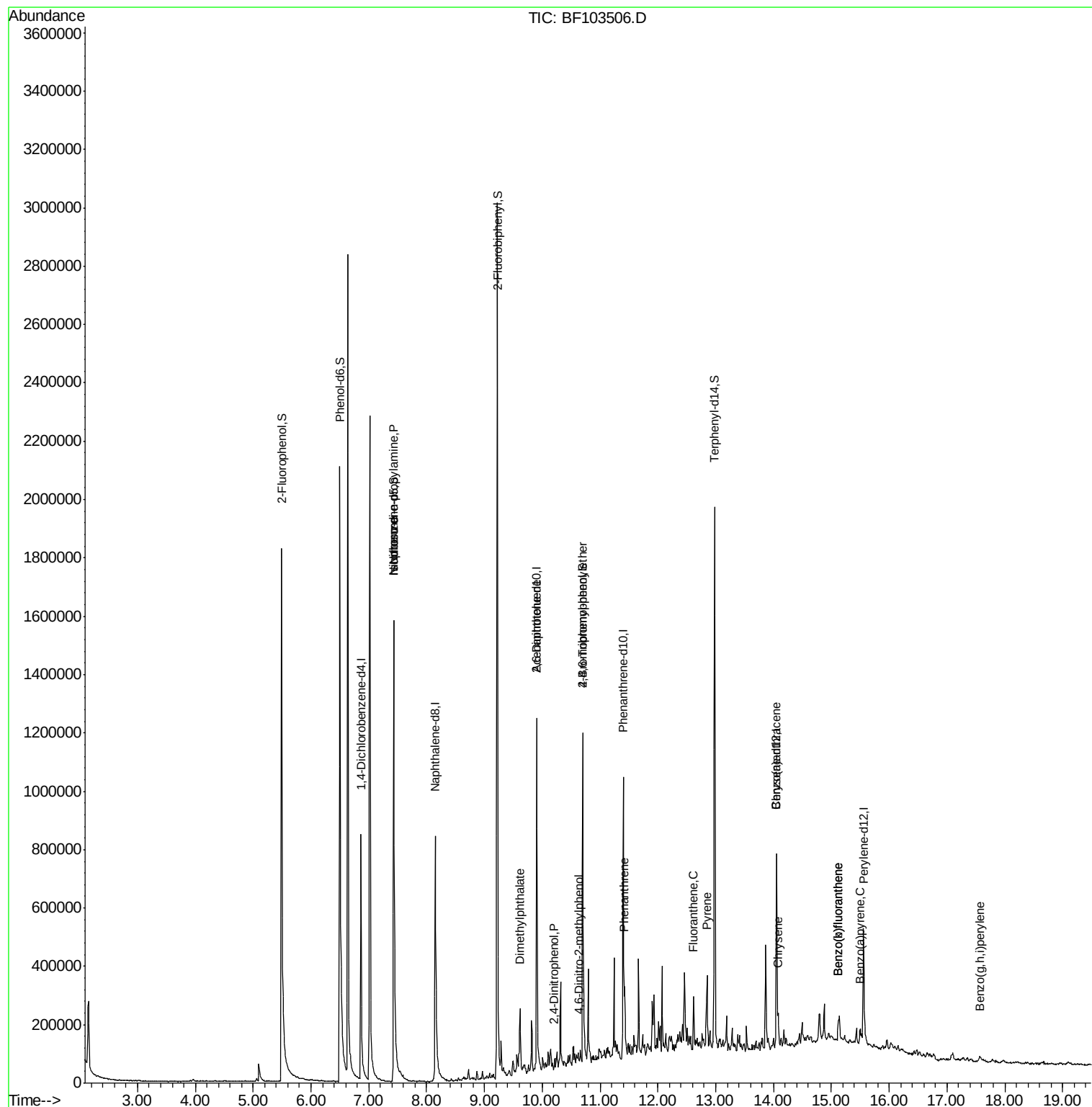
						Qvalue
9) Benzaldehyde	6.50	77	1907	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.43	70	100227	12.676 ng	#	82
25) Isophorone	7.43	82	776883	35.249 ng	#	64
49) Dimethylphthalate	9.62	163	90450	4.298 ng		98
50) 2,6-Dinitrotoluene	9.90	165	34706	7.859 ng	#	26
53) 2,4-Dinitrophenol	10.20	184	472	9.881 ng	#	1
64) 4,6-Dinitro-2-methylphenol	10.64	198	110	4.988 ng	#	1
66) 4-Bromophenyl-phenylether	10.70	248	9842	2.468 ng	#	1
70) Phenanthrene	11.42	178	90252	4.283 ng		99
74) Fluoranthene	12.62	202	73970	3.494 ng		99
77) Pyrene	12.85	202	96784	5.327 ng		98
80) Benzo(a)anthracene	14.04	228	38082	2.519 ng		97
82) Chrysene	14.08	228	40314	2.746 ng		95
87) Benzo(b)fluoranthene	15.12	252	55317	4.173 ng	#	91
88) Benzo(k)fluoranthene	15.12	252	55317	4.431 ng	#	94
89) Benzo(a)pyrene	15.50	252	29468	2.489 ng	#	88
91) Benzo(a,h,i)perylene	17.57	276	18008	2.014 ng	#	74

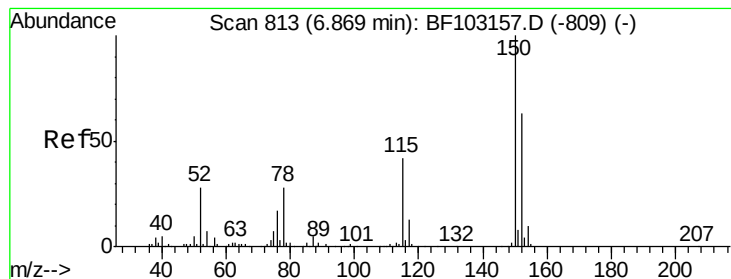
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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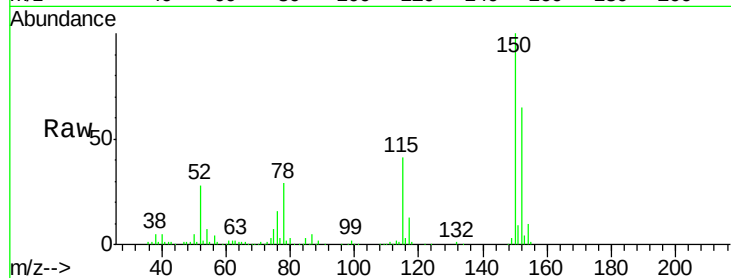


#1

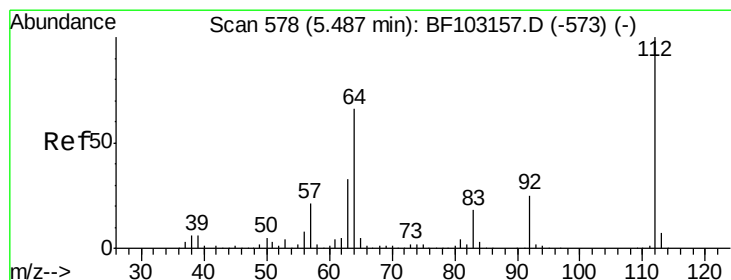
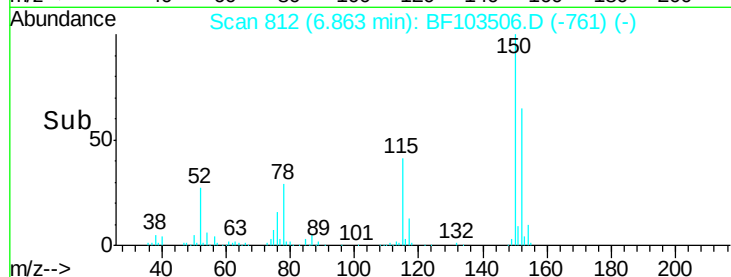
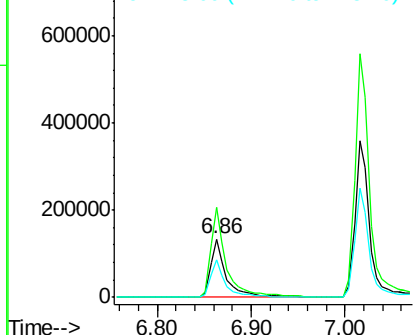
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF103506.D
Acq: 7 Mar 2018 17:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 157031
Ion Ratio Lower Upper
152 100
150 154.3 124.6 186.8
115 63.9 50.1 75.1



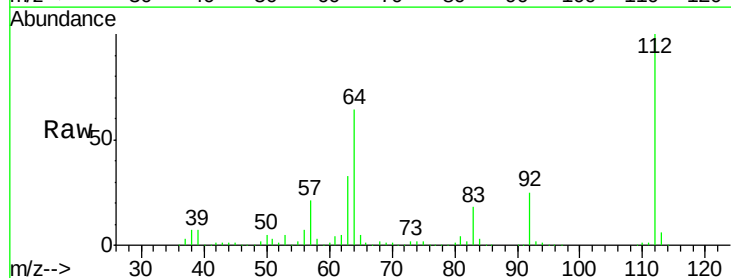
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



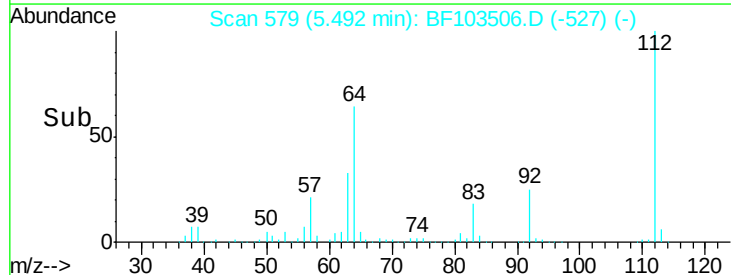
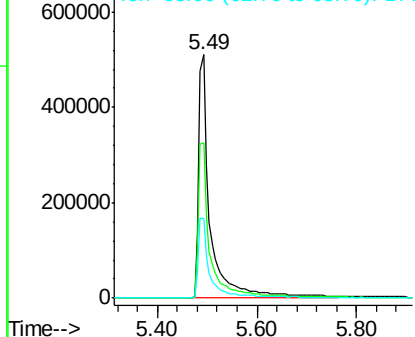
#5

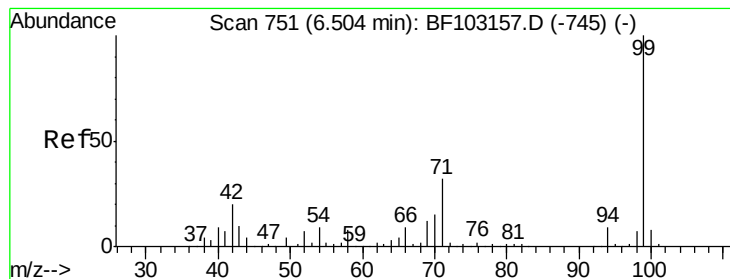
2-Fluorophenol
Concen: 79.812 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF103506.D
Acq: 7 Mar 2018 17:33

Tgt Ion:112 Resp: 828668
Ion Ratio Lower Upper
112 100
64 63.7 47.9 71.9
63 32.8 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: 82.999 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF103506.D

Acq: 7 Mar 2018 17:33

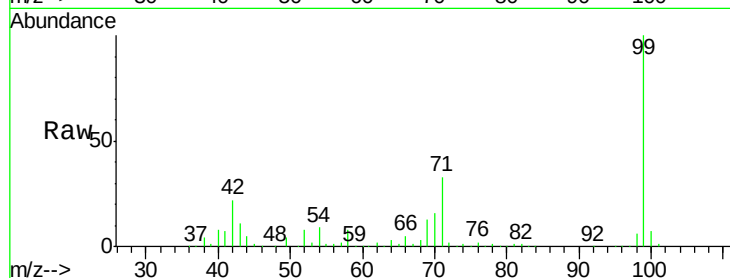
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1054482

Ion	Ratio	Lower	Upper
99	100		
42	21.6	14.5	21.7
71	33.0	25.4	38.0

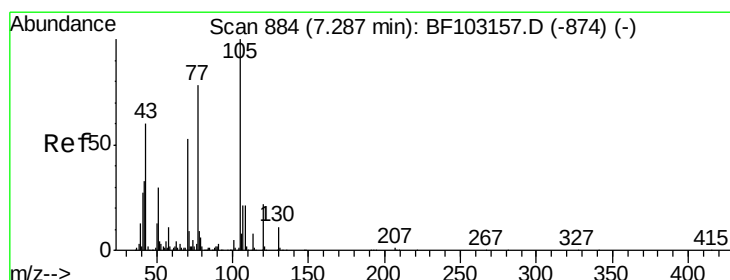
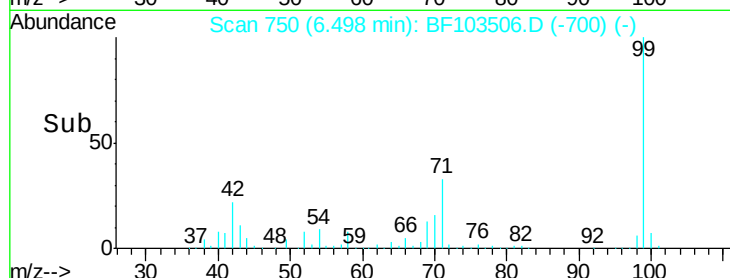
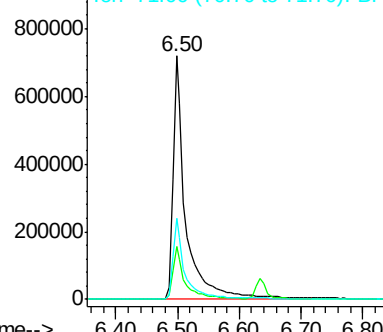


Abundance

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: 12.676 ng

RT: 7.43 min Scan# 909

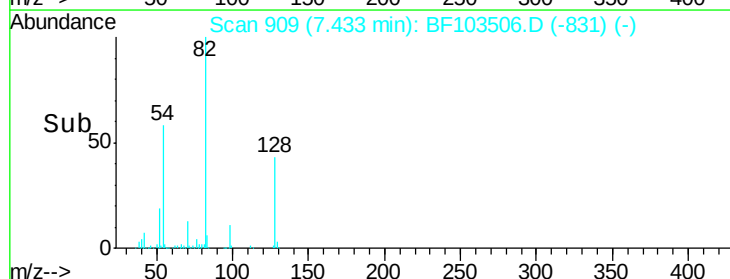
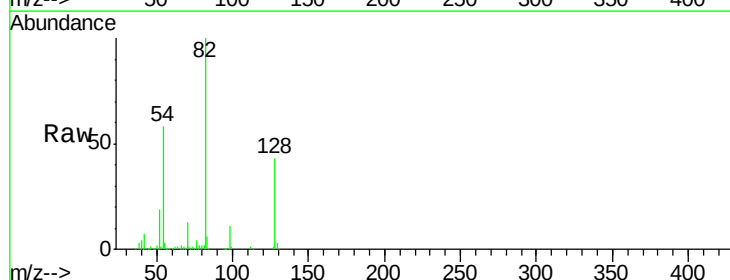
Delta R.T. 0.16 min

Lab File: BF103506.D

Acq: 7 Mar 2018 17:33

Tgt Ion: 70 Resp: 100227

Ion	Ratio	Lower	Upper
70	100		
42	52.1	47.5	71.3
101	0.0	7.4	11.2#
130	2.3	16.6	25.0#



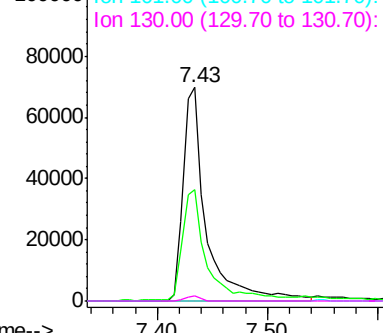
Abundance

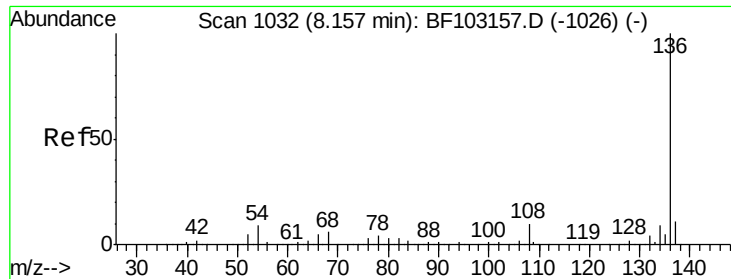
Ion 70.00 (69.70 to 70.70): BF1

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

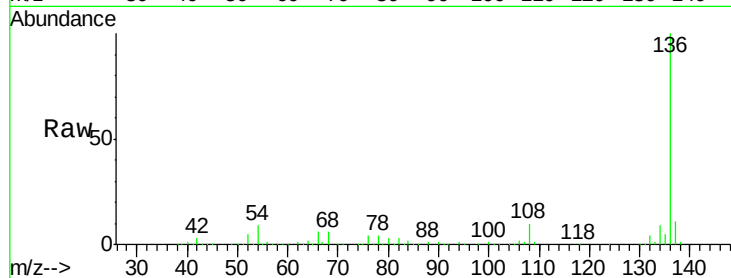




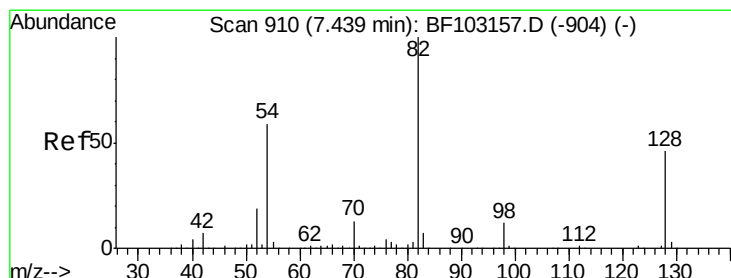
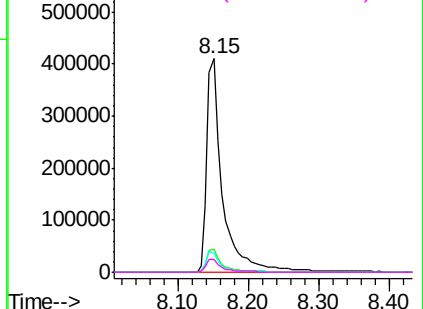
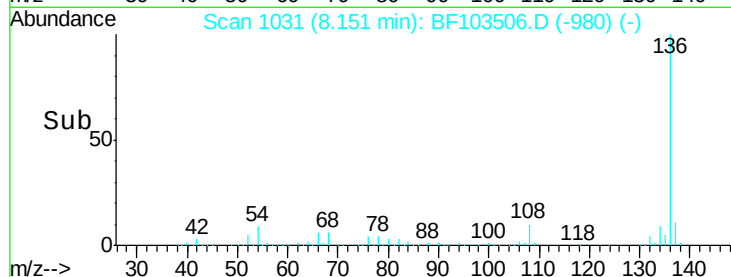
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.00 min
Lab File: BF103506.D
Acq: 7 Mar 2018 17:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	639078
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	8.8	6.6 9.8
68	6.1	5.0 7.4

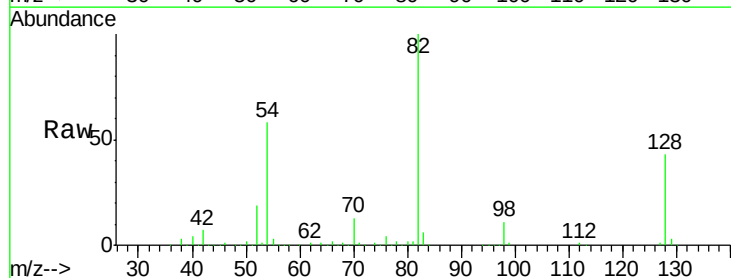


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

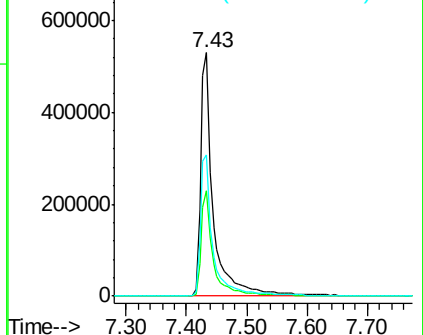
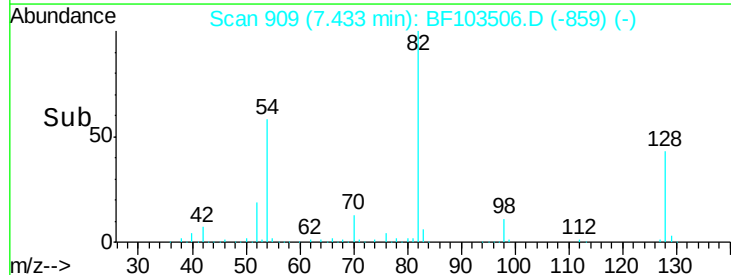


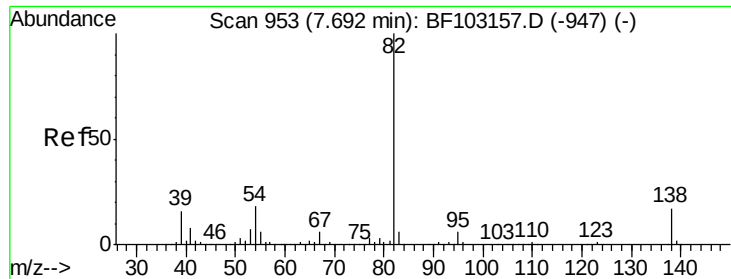
#23
Nitrobenzene-d5
Concen: 69.423 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103506.D
Acq: 7 Mar 2018 17:33

Tgt Ion: 82	Resp:	776883
Ion Ratio	Lower	Upper
82	100	
128	43.4	36.1 54.1
54	57.8	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

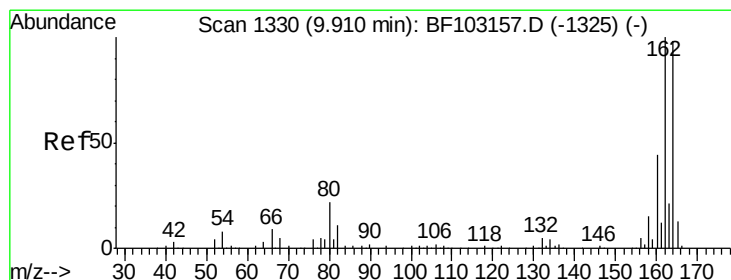
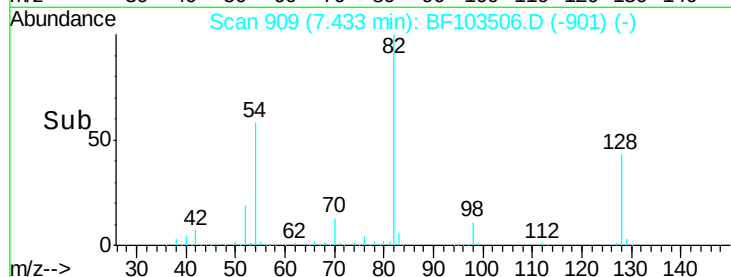
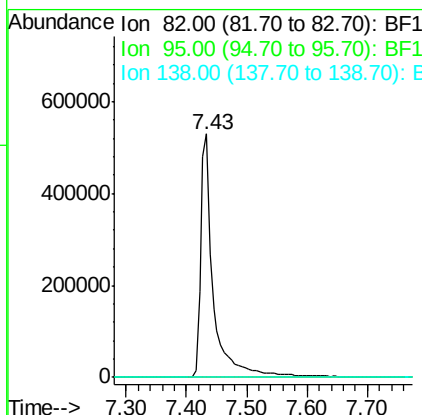
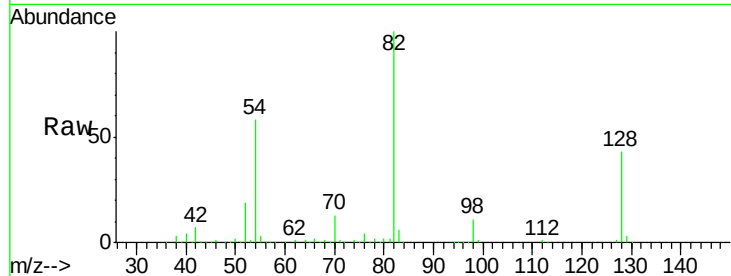




#25
Isophorone
Concen: 35.249 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.25 min
Lab File: BF103506.D
Acq: 7 Mar 2018 17:33

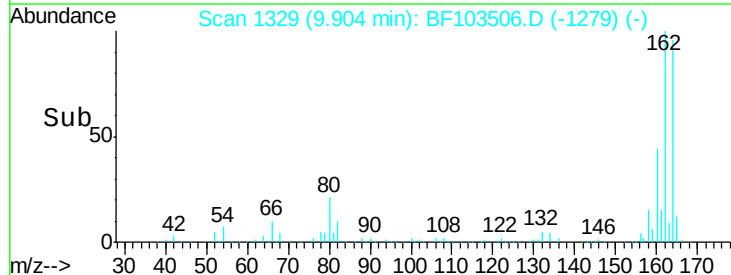
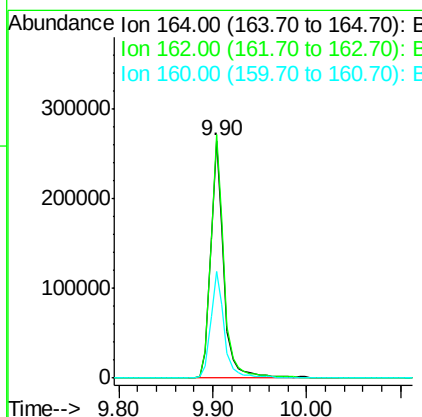
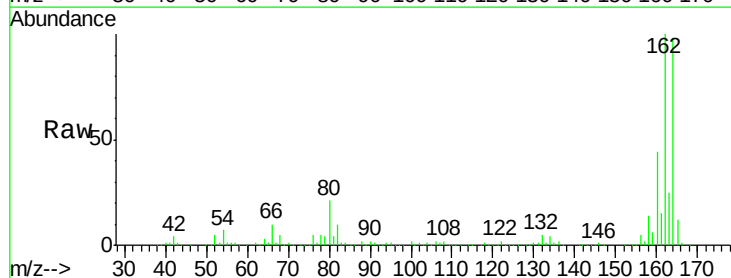
Instrument :
BNA_F
ClientSampleId :

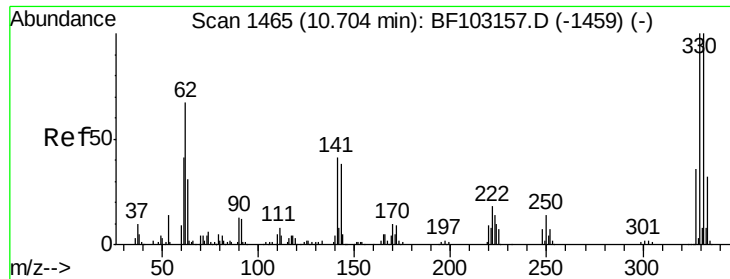
Tot Ion: 82 Resp: 776883
Ion Ratio Lower Upper
82 100
95 0.1 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BF103506.D
Acq: 7 Mar 2018 17:33

Tgt Ion:164 Resp: 262313
Ion Ratio Lower Upper
164 100
162 102.4 86.1 129.1
160 45.1 38.3 57.5

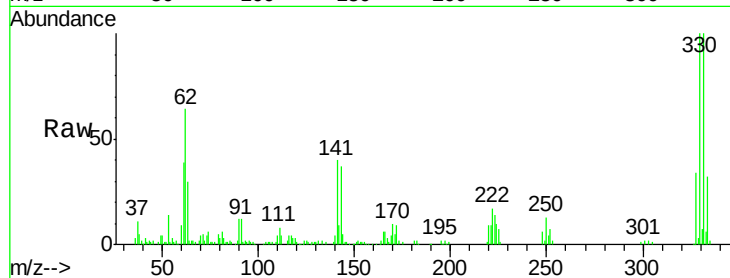




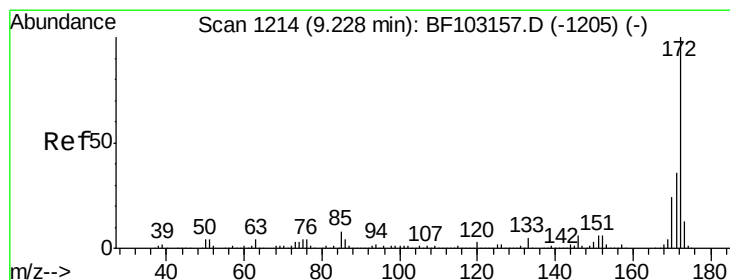
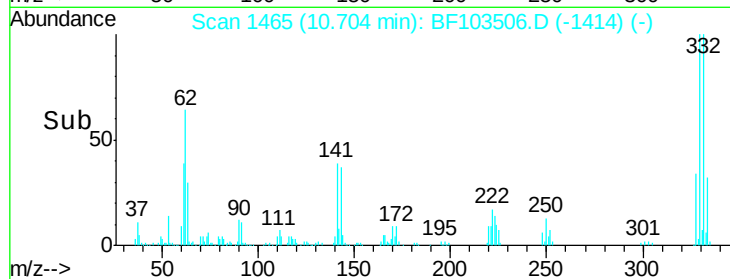
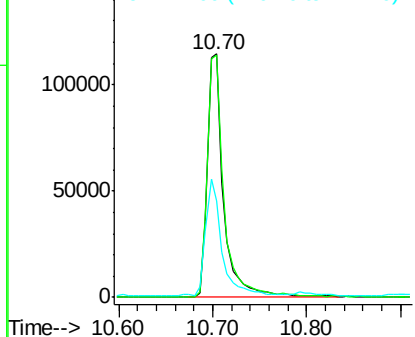
#41
 2,4,6-Tribromophenol
 Concen: 63.324 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: BF103506.D
 Acq: 7 Mar 2018 17:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 140600
 Ion Ratio Lower Upper
 330 100
 332 102.5 77.0 115.6
 141 47.8 29.9 44.9#

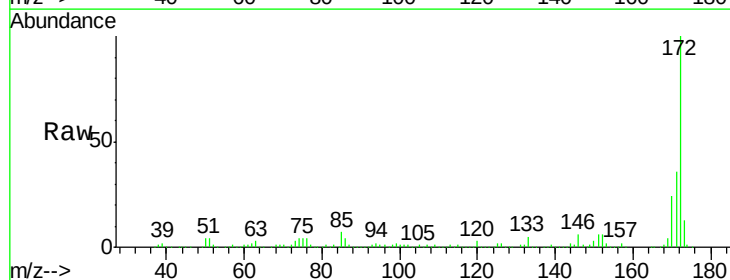


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

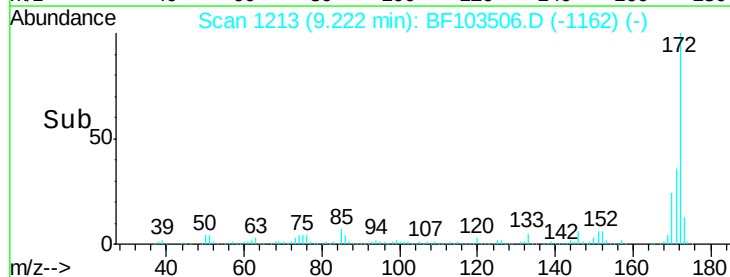
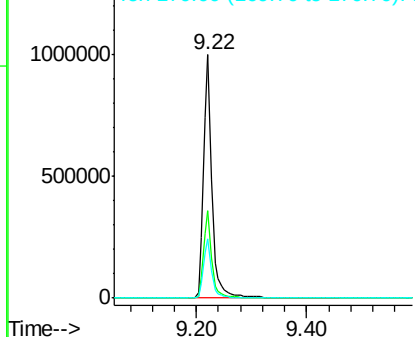


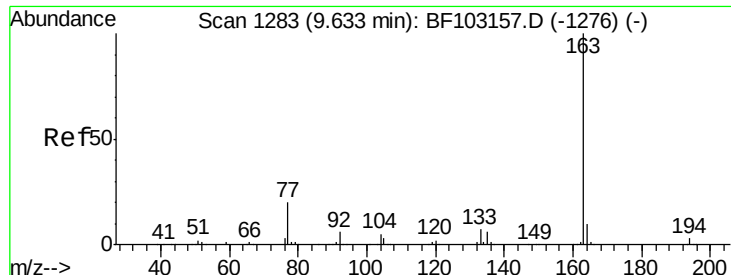
#44
 2-Fluorobiphenyl
 Concen: 65.169 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: BF103506.D
 Acq: 7 Mar 2018 17:33

Tgt Ion:172 Resp: 1050035
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.7 44.5
 170 24.1 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

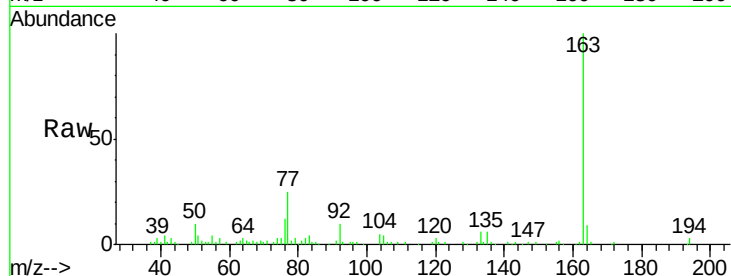




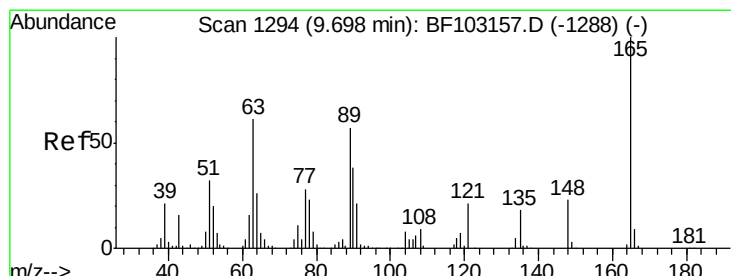
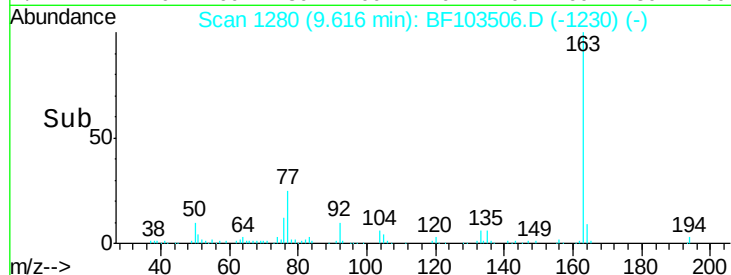
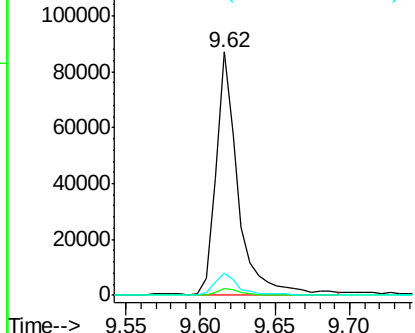
#49
Dimethylphthalate
Concen: 4.298 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BF103506.D
Acq: 7 Mar 2018 17:33

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
163	100		
194	2.8	2.7	4.1
164	9.2	8.2	12.2

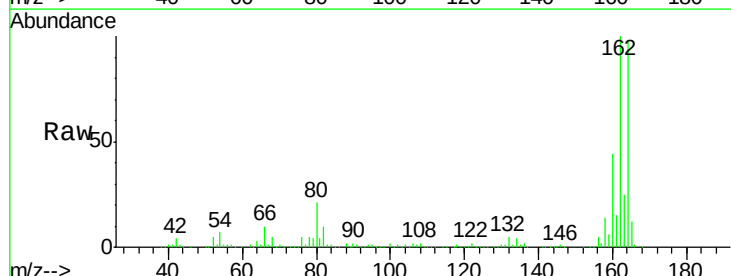


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

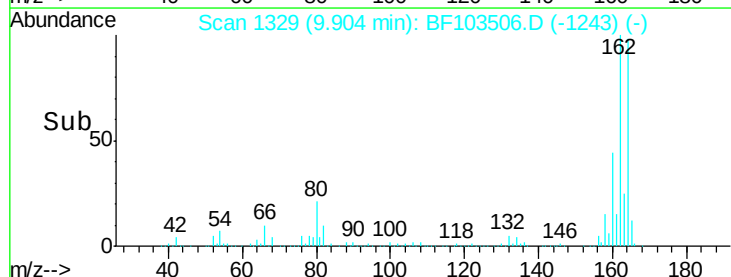
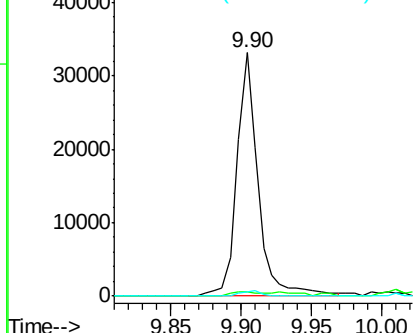


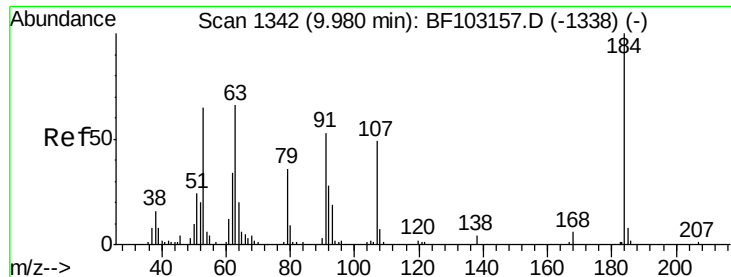
#50
2,6-Dinitrotoluene
Concen: 7.859 ng
RT: 9.90 min Scan# 1329
Delta R.T. 0.21 min
Lab File: BF103506.D
Acq: 7 Mar 2018 17:33

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.7	67.1#
89	1.8	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

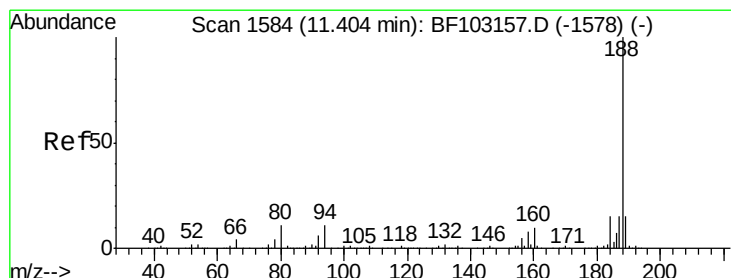
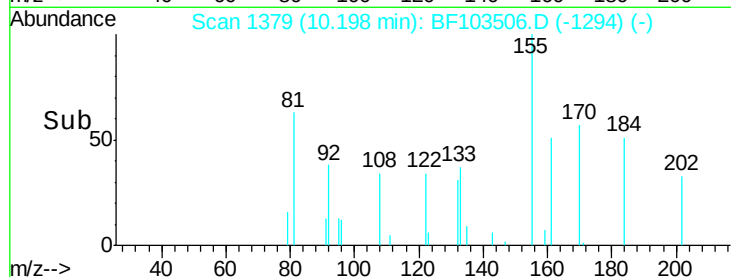
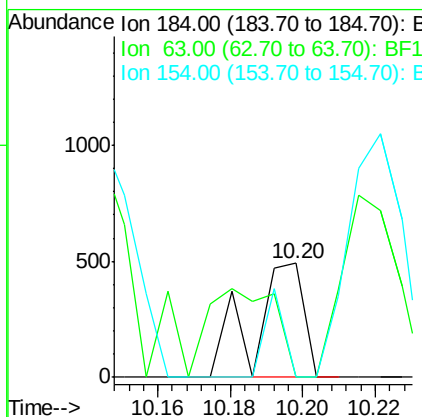
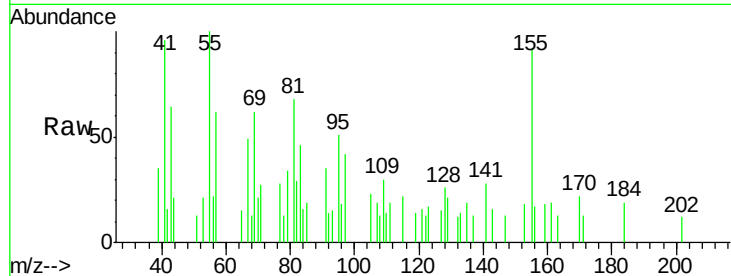




#53
 2,4-Dinitrophenol
 Concen: 9.881 ng
 RT: 10.20 min Scan# 1379
 Delta R.T. 0.20 min
 Lab File: BF103506.D
 Acq: 7 Mar 2018 17:33

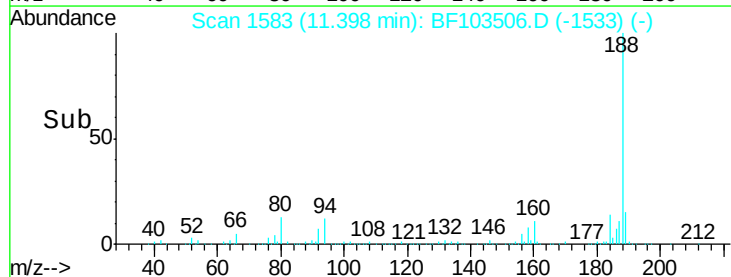
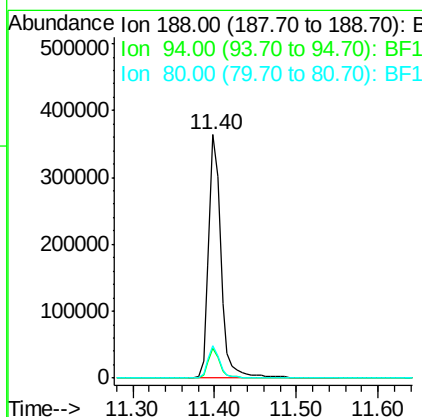
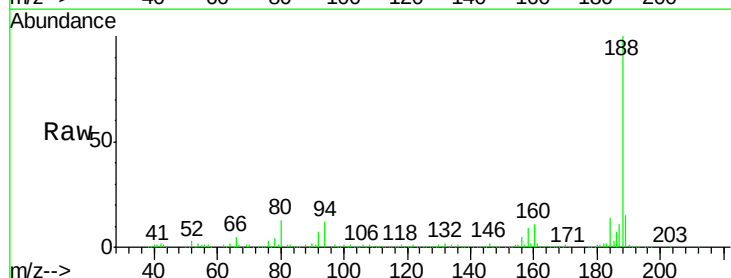
Instrument :
 BNA_F
 ClientSampled :

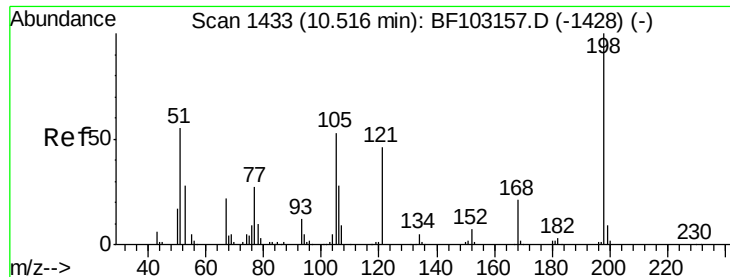
Tot Ion:184 Resp: 472
 Ion Ratio Lower Upper
 184 100
 63 0.0 54.2 81.2#
 154 0.0 184.0 276.0#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF103506.D
 Acq: 7 Mar 2018 17:33

Tgt Ion:188 Resp: 382868
 Ion Ratio Lower Upper
 188 100
 94 12.4 8.5 12.7
 80 13.2 9.2 13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 4.988 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.11 min

Lab File: BF103506.D

Acq: 7 Mar 2018 17:33

Instrument :

BNA_F

ClientSampleId :

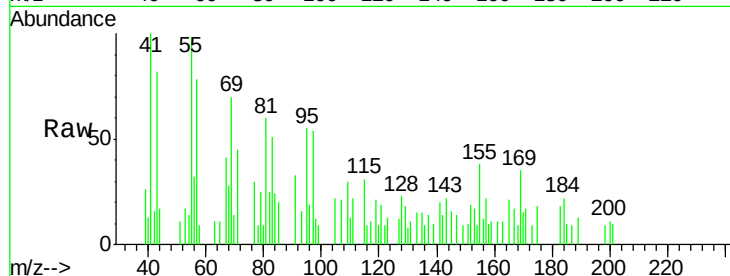
Tot Ion:198 Resp: 110

Ion Ratio Lower Upper

198 100

51 132.5 37.7 77.7#

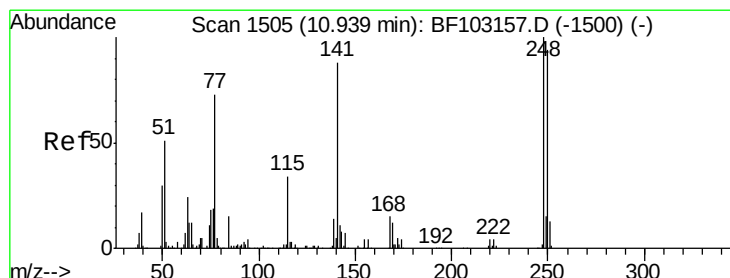
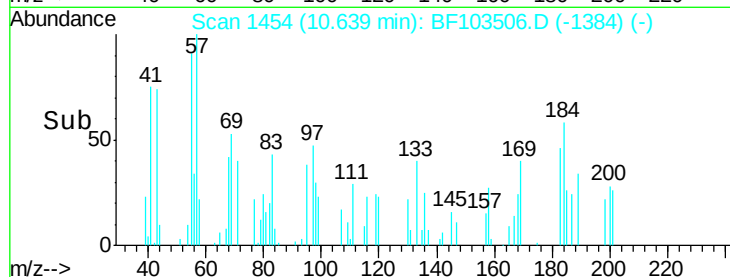
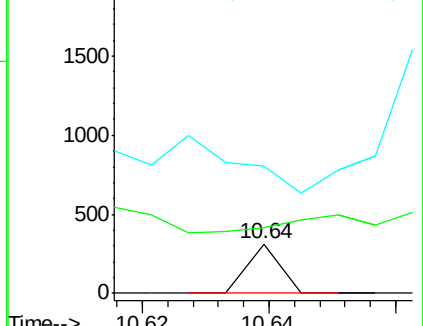
105 258.2 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 2.468 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.24 min

Lab File: BF103506.D

Acq: 7 Mar 2018 17:33

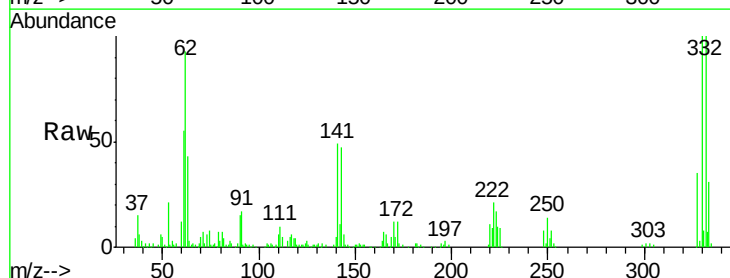
Tgt Ion:248 Resp: 9842

Ion Ratio Lower Upper

248 100

250 178.9 76.9 115.3#

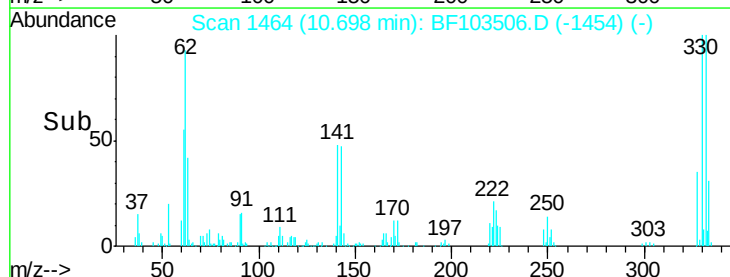
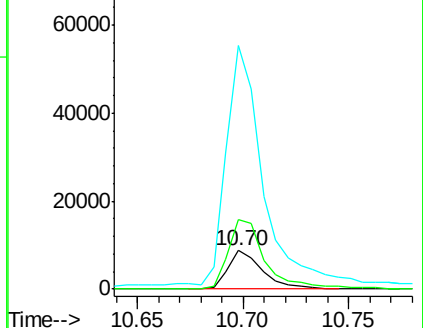
141 630.7 74.4 111.6#

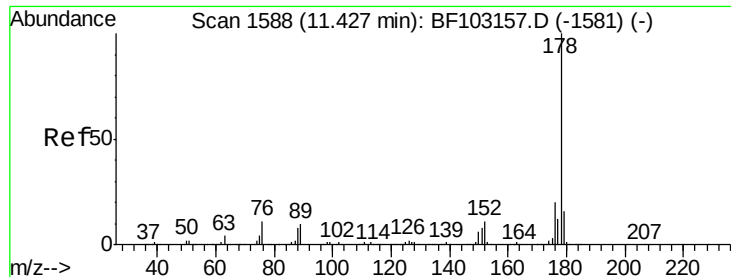


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 4.283 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BF103506.D

Acq: 7 Mar 2018 17:33

Instrument :

BNA_F

ClientSampled :

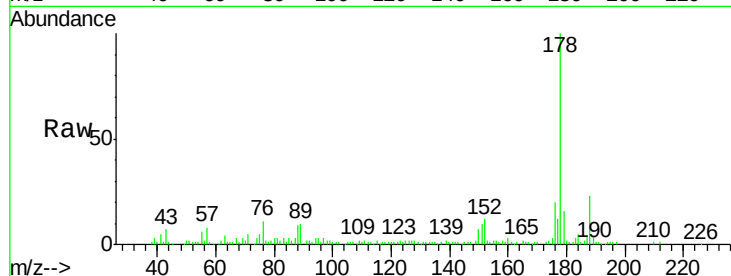
Tot Ion:178 Resp: 90252

Ion Ratio Lower Upper

178 100

176 20.3 15.8 23.8

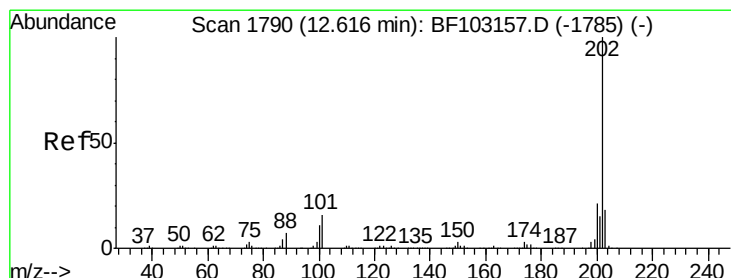
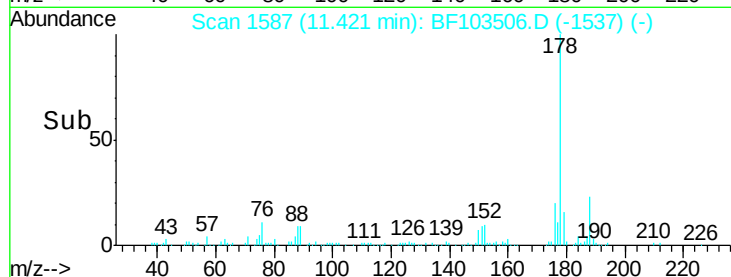
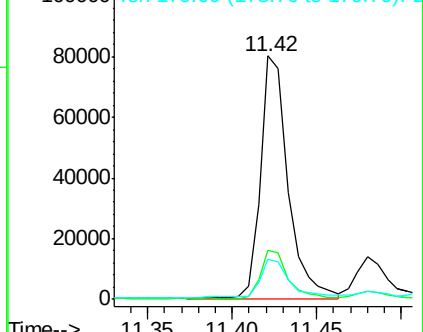
179 16.3 13.0 19.6



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: 3.494 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.00 min

Lab File: BF103506.D

Acq: 7 Mar 2018 17:33

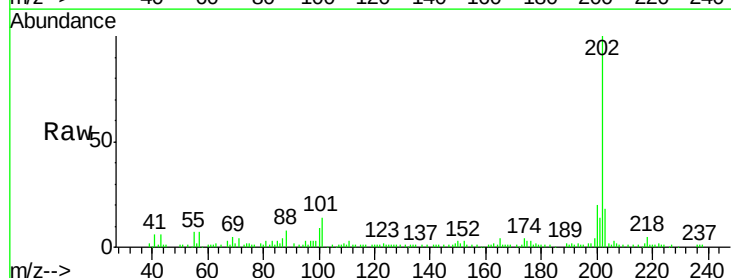
Tgt Ion:202 Resp: 73970

Ion Ratio Lower Upper

202 100

101 13.7 0.0 34.1

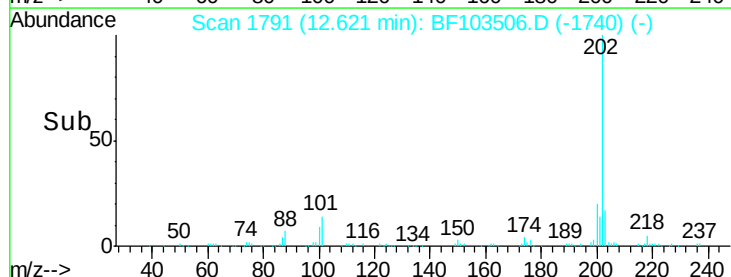
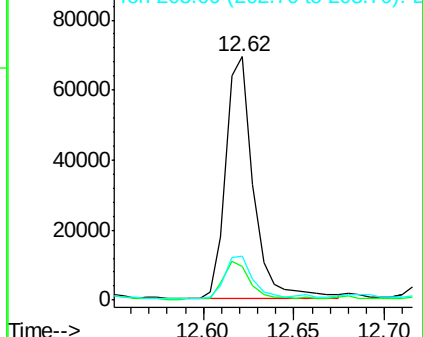
203 17.9 0.0 38.1

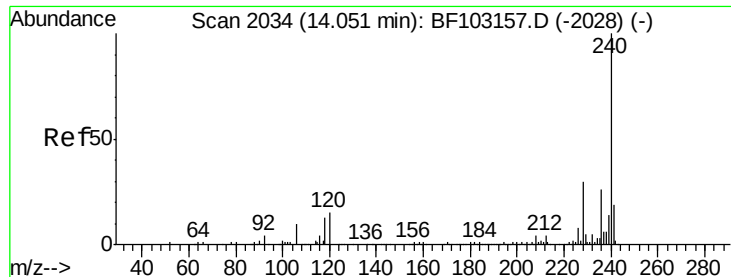


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF103506.D

Acq: 7 Mar 2018 17:33

Instrument :

BNA_F

ClientSampled :

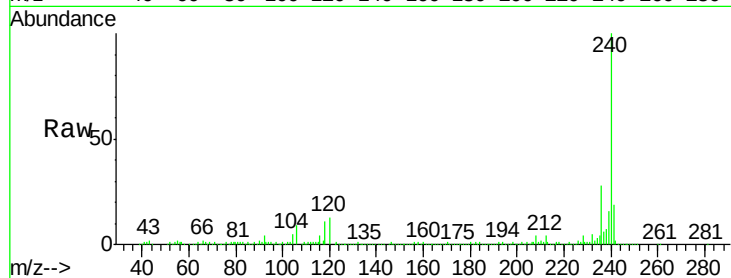
Tot Ion:240 Resp: 233013

Ion Ratio Lower Upper

240 100

120 12.9 9.5 14.3

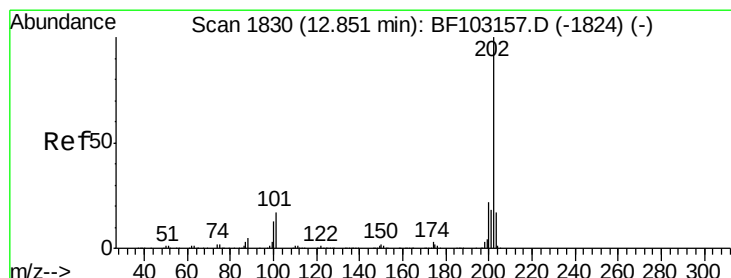
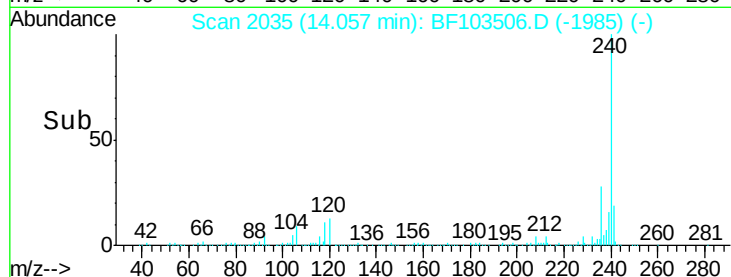
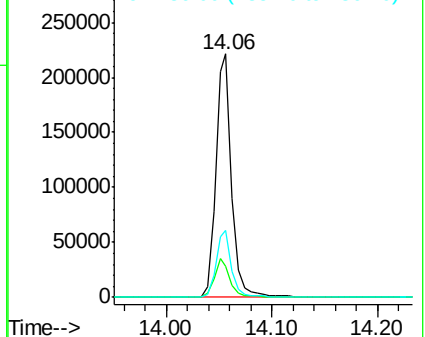
236 27.7 20.7 31.1



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: 5.327 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF103506.D

Acq: 7 Mar 2018 17:33

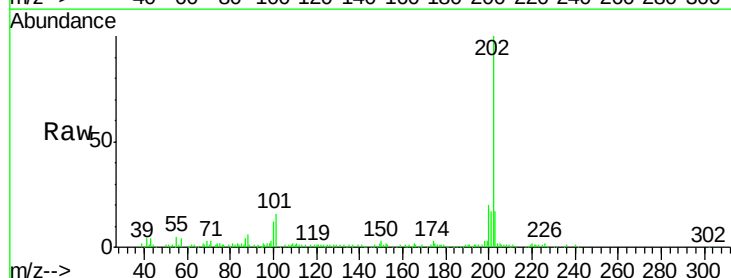
Tgt Ion:202 Resp: 96784

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

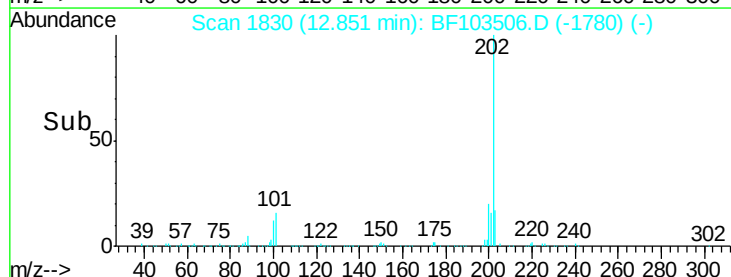
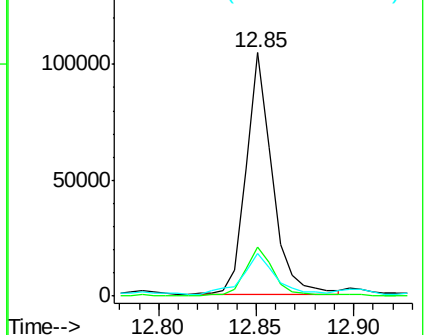
203 17.4 14.3 21.5

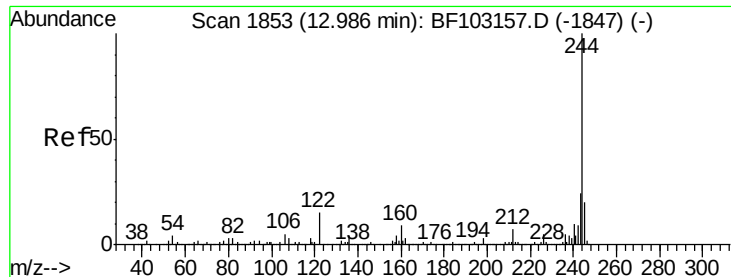


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 63.562 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF103506.D

Acq: 7 Mar 2018 17:33

Instrument :

BNA_F

ClientSampleId :

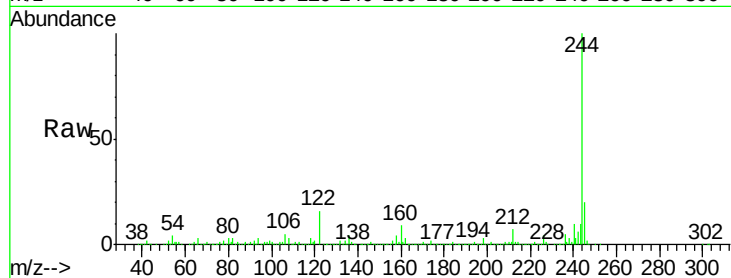
Tot Ion:244 Resp: 616120

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

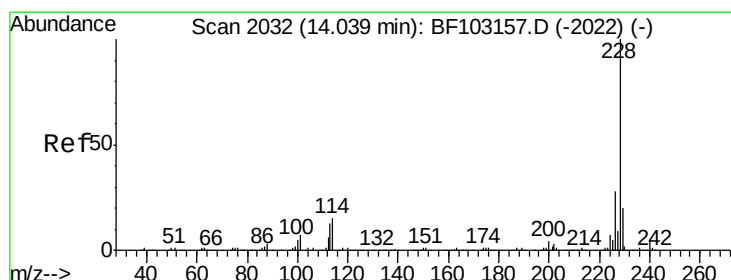
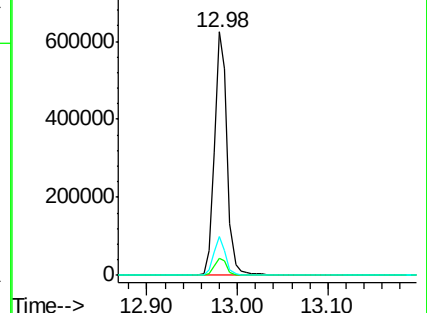
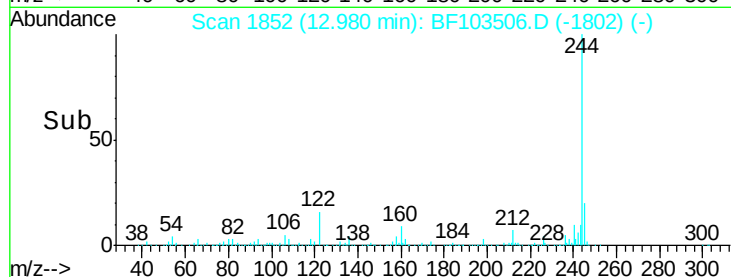
122 15.7 11.0 16.4



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: 2.519 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF103506.D

Acq: 7 Mar 2018 17:33

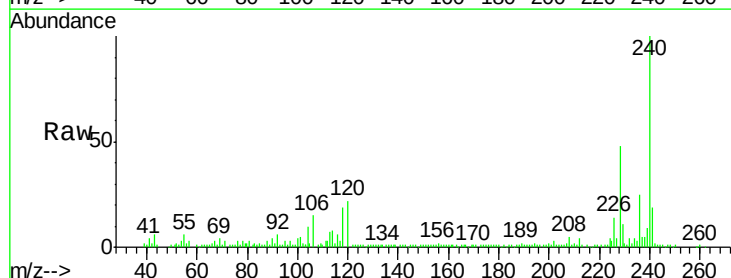
Tgt Ion:228 Resp: 38082

Ion Ratio Lower Upper

228 100

226 28.3 22.6 33.8

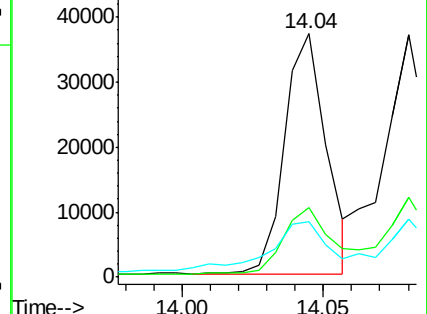
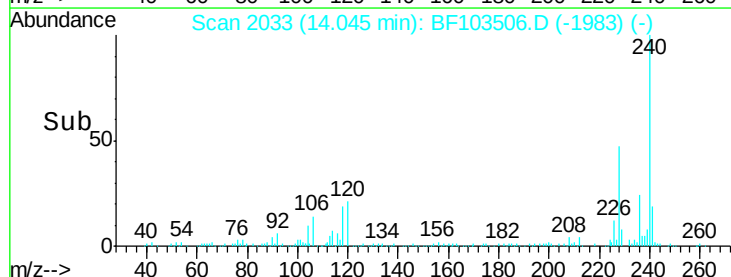
229 22.9 15.8 23.6

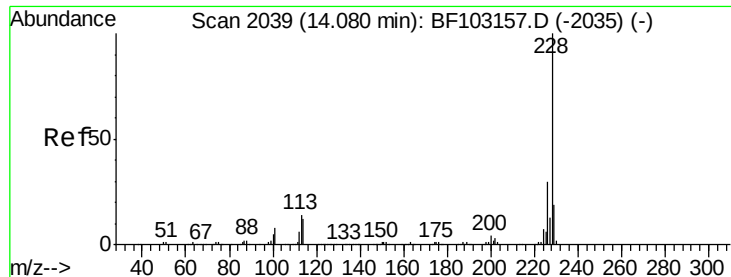


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

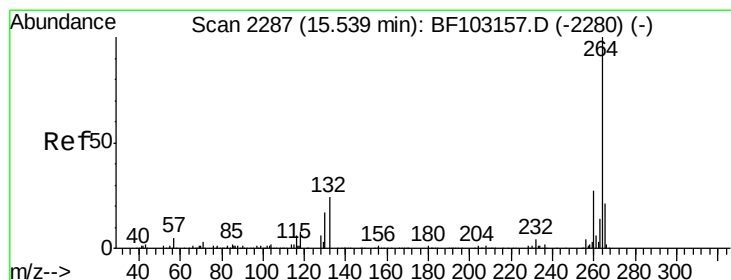
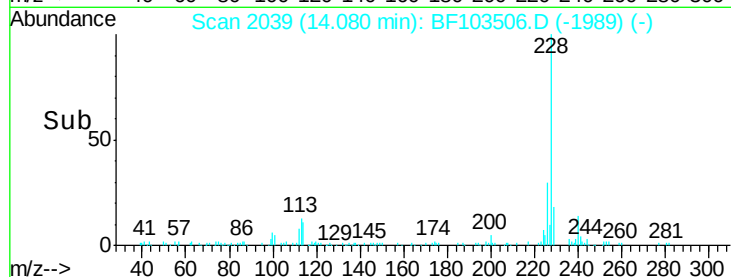
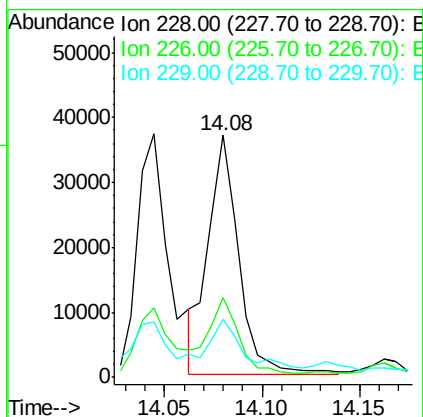
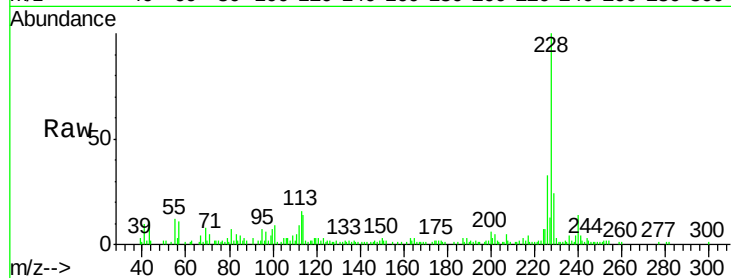




#82
Chrysene
Concen: 2.746 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF103506.D
Acq: 7 Mar 2018 17:33

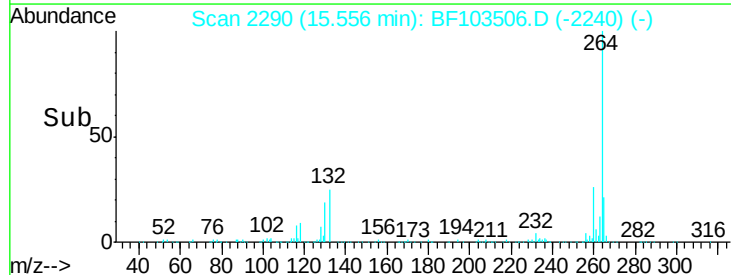
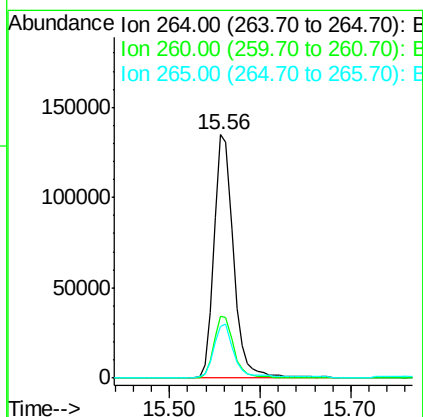
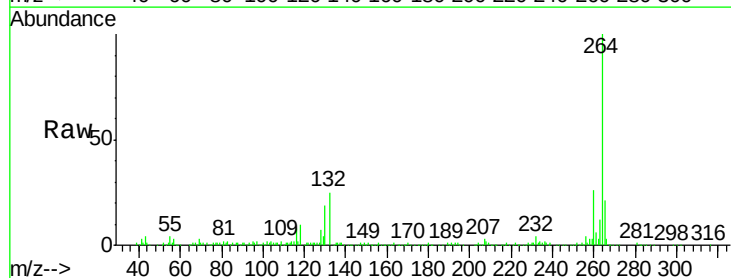
Instrument :
BNA_F
ClientSampleID :

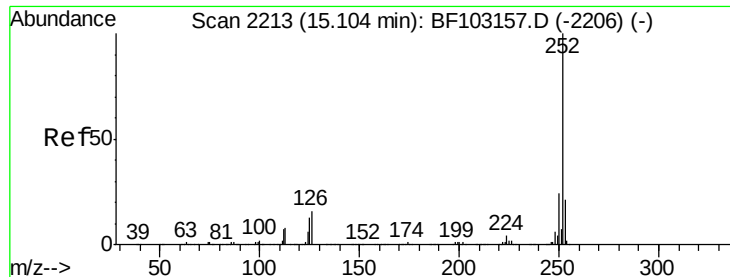
Tot Ion:228 Resp: 40314
Ion Ratio Lower Upper
228 100
226 33.0 25.0 37.6
229 23.9 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.01 min
Lab File: BF103506.D
Acq: 7 Mar 2018 17:33

Tgt Ion:264 Resp: 201626
Ion Ratio Lower Upper
264 100
260 25.6 19.2 28.8
265 21.4 17.5 26.3

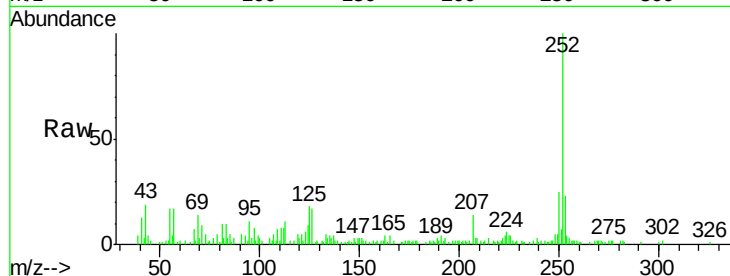




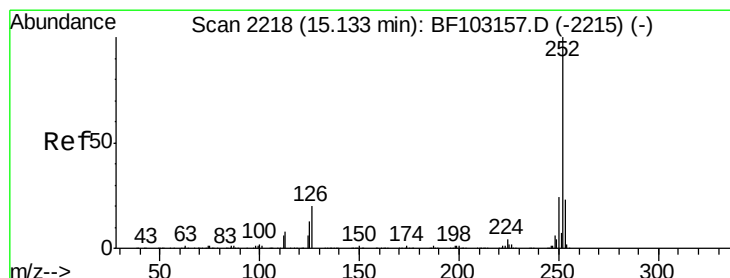
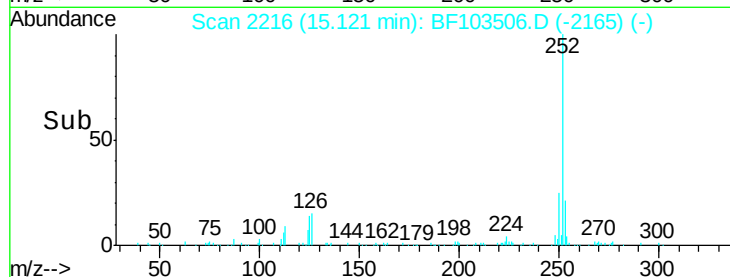
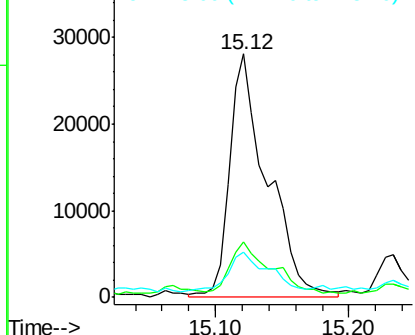
#87
Benzo(b)fluoranthene
Concen: 4.173 ng
RT: 15.12 min Scan# 2216
Delta R.T. -0.00 min
Lab File: BF103506.D
Acq: 7 Mar 2018 17:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 55317
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.6
125 18.5 9.0 13.6#

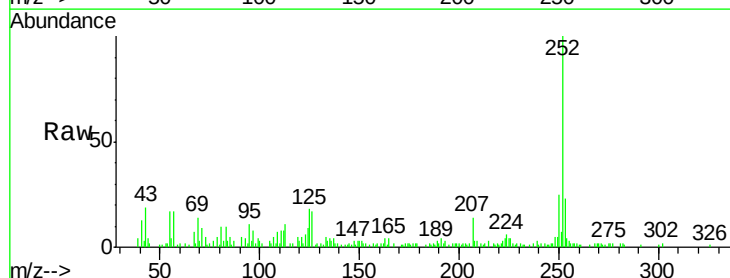


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

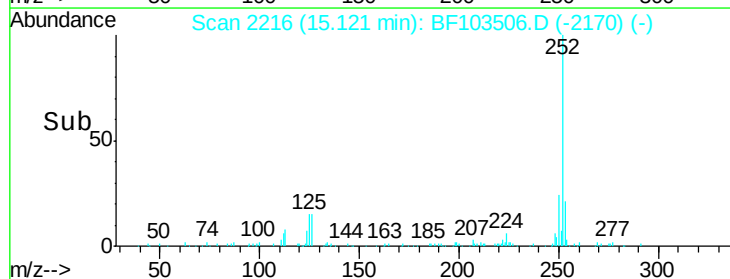
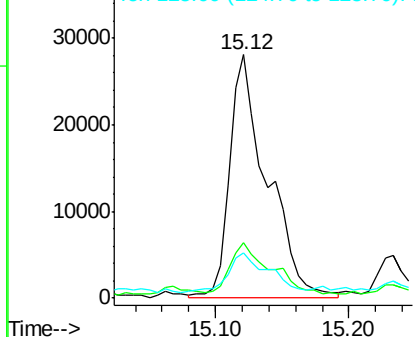


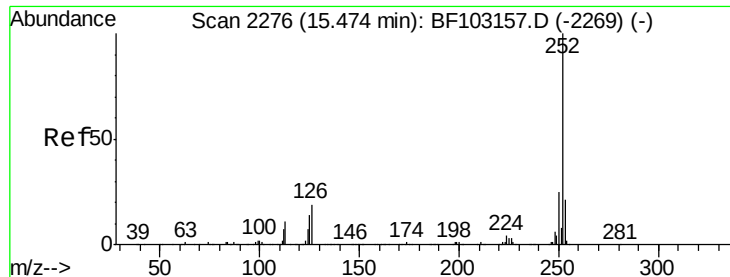
#88
Benzo(k)fluoranthene
Concen: 4.431 ng
RT: 15.12 min Scan# 2216
Delta R.T. -0.03 min
Lab File: BF103506.D
Acq: 7 Mar 2018 17:33

Tgt Ion:252 Resp: 55317
Ion Ratio Lower Upper
252 100
253 23.0 17.9 26.9
125 18.5 10.2 15.2#



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

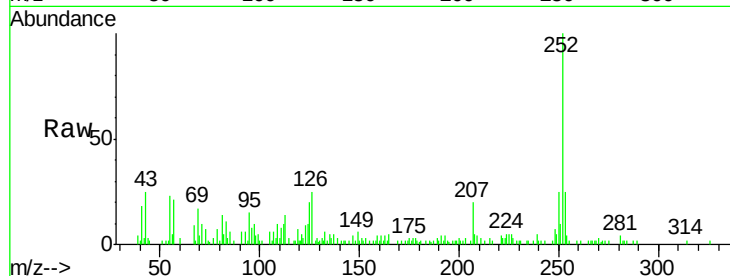




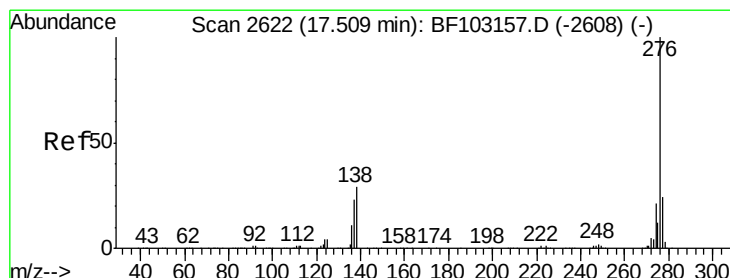
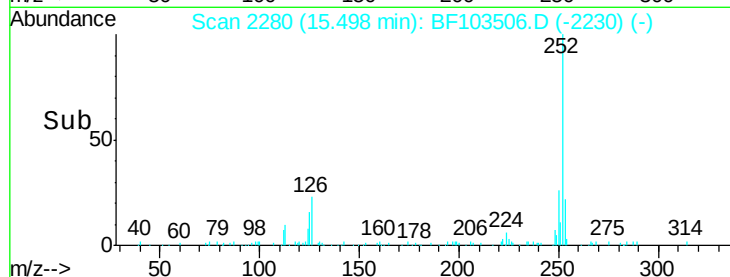
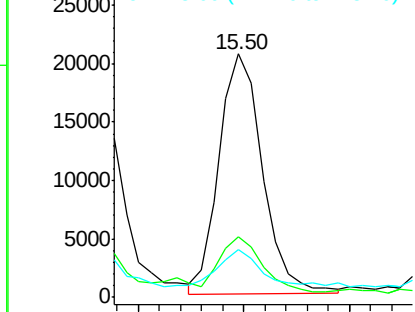
#89
Benzo(a)pyrene
Concen: 2.489 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF103506.D
Acq: 7 Mar 2018 17:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 29468
Ion Ratio Lower Upper
252 100
253 24.7 17.1 25.7
125 19.8 9.8 14.6#

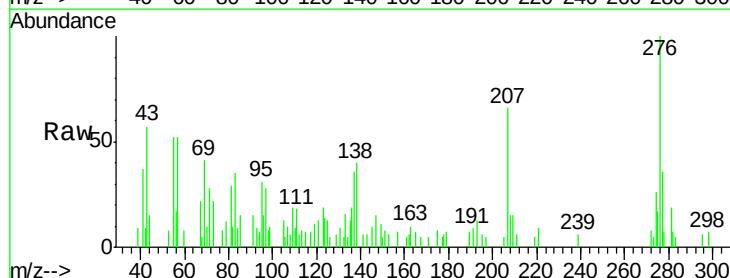


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.014 ng
RT: 17.57 min Scan# 2632
Delta R.T. -0.01 min
Lab File: BF103506.D
Acq: 7 Mar 2018 17:33

Tgt Ion:276 Resp: 18008
Ion Ratio Lower Upper
276 100
277 35.6 17.9 26.9#
138 40.4 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

