

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
 Data File : BF103263.D
 Acq On : 27 Feb 2018 15:22
 Operator : SJ/JU
 Sample : J1397-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 27 16:54:57 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 02:43:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	153937	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	635204	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	267503	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	404060	20.00	ng	0.00
75) Chrysene-d12	14.06	240	266144	20.00	ng	0.00
86) Perylene-d12	15.56	264	242366	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	1025271	100.73	ng	0.01
7) Phenol-d6	6.51	99	1202005	96.51	ng	0.00
23) Nitrobenzene-d5	7.44	82	769410	69.17	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	213110	94.12	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1160085	72.01	ng	0.00
78) Terphenyl-d14	12.99	244	779025	70.36	ng	0.00

Target Compounds

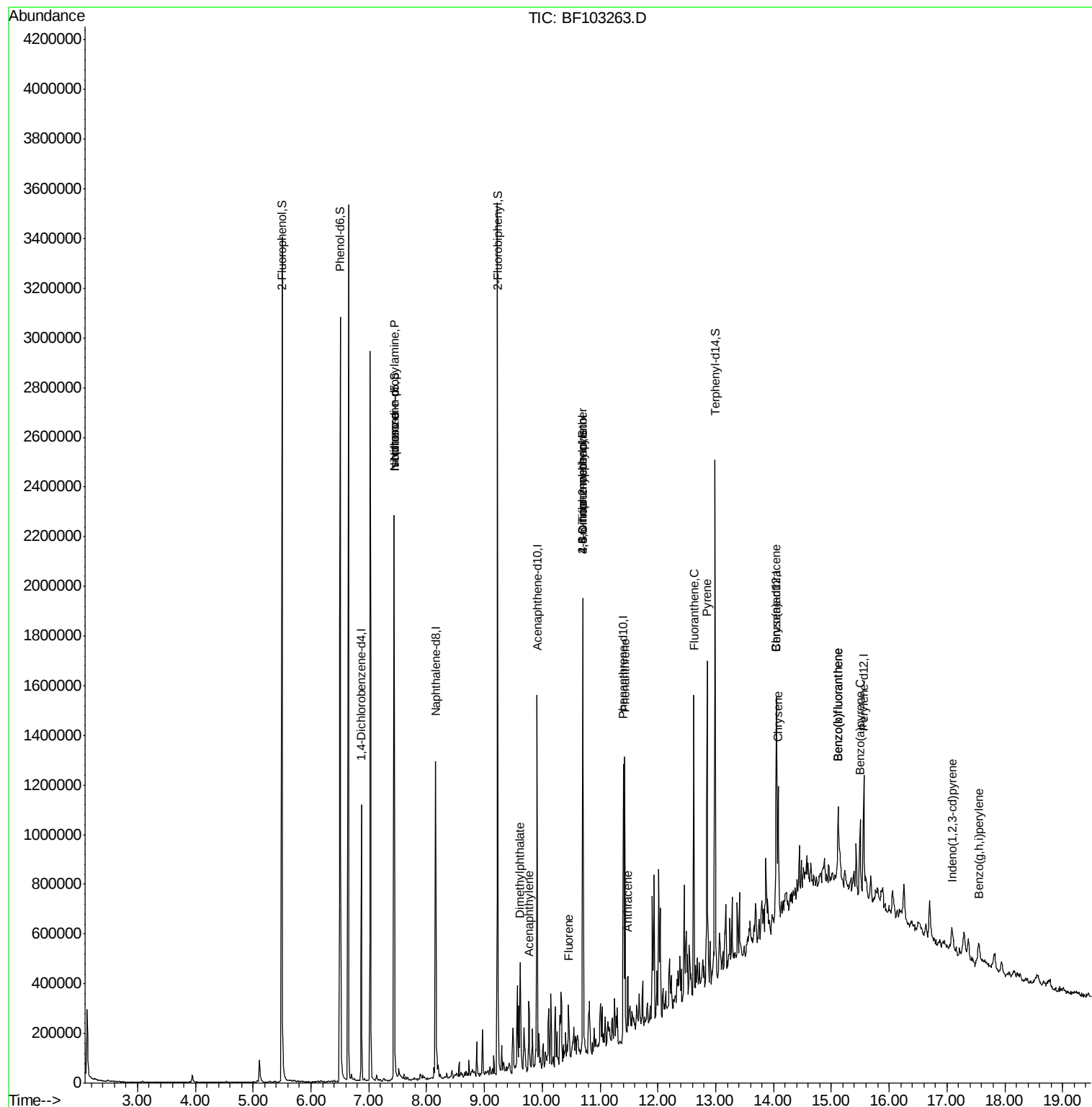
						Qvalue
9) Benzaldehyde	6.51	77	1832	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.44	70	101196	13.055	ng	# 80
25) Isophorone	7.44	82	769509	35.127	ng	# 64
48) Acenaphthylene	9.77	152	78043	2.860	ng	97
49) Dimethylphthalate	9.62	163	146503	6.827	ng	98
57) Fluorene	10.46	166	55148	2.964	ng	# 99
64) 4,6-Dinitro-2-methylphenol	10.70	198	402	5.092	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	14498	3.444	ng	# 1
70) Phenanthrene	11.43	178	382406	17.197	ng	99
71) Anthracene	11.48	178	99385	4.359	ng	98
74) Fluoranthene	12.62	202	428627	19.182	ng	98
77) Pyrene	12.85	202	528489	25.469	ng	100
80) Benzo(a)anthracene	14.04	228	200202	11.594	ng	92
82) Chrysene	14.08	228	217475	12.970	ng	95
85) Indeno(1,2,3-cd)pyrene	17.09	276	64107	4.829	ng	99
87) Benzo(b)fluoranthene	15.12	252	236838	14.862	ng	# 87
88) Benzo(k)fluoranthene	15.12	252	236838	15.783	ng	# 90
89) Benzo(a)pyrene	15.50	252	142313	10.001	ng	# 91
91) Benzo(a,h,i)perylene	17.55	276	67735	6.303	ng	# 90

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

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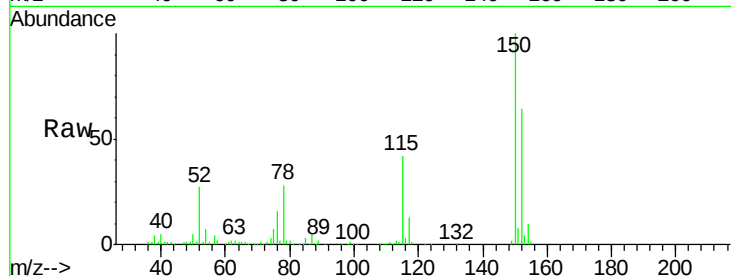


#1

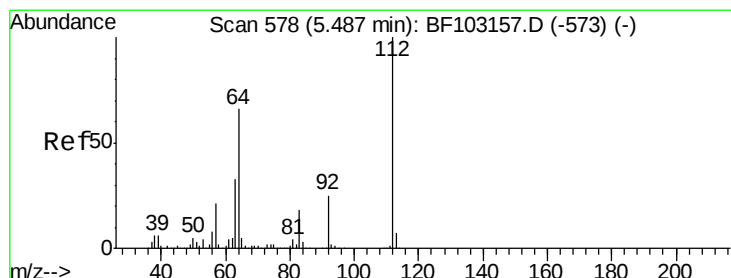
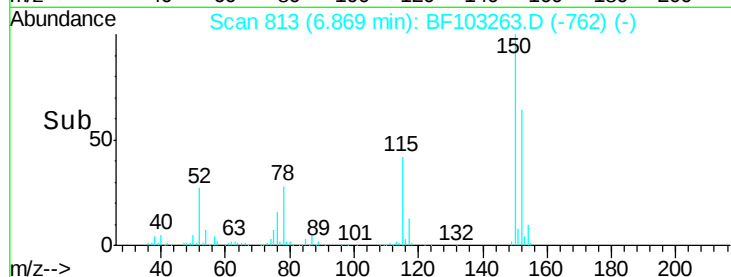
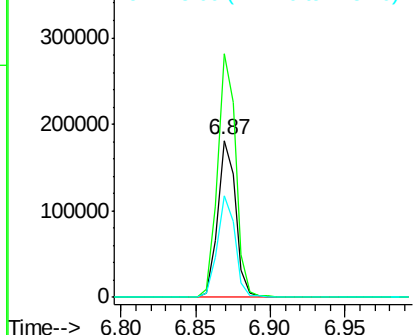
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF103263.D
Acq: 27 Feb 2018 15:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 153937
Ion Ratio Lower Upper
152 100
150 155.2 124.6 186.8
115 64.6 50.1 75.1



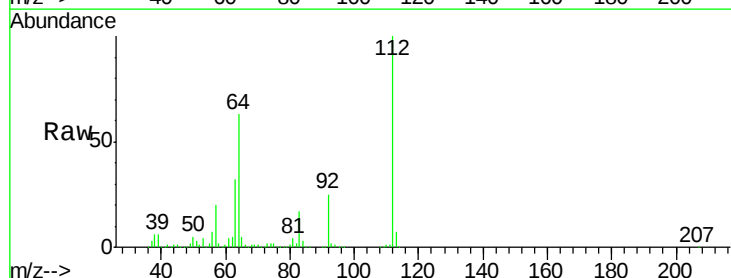
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



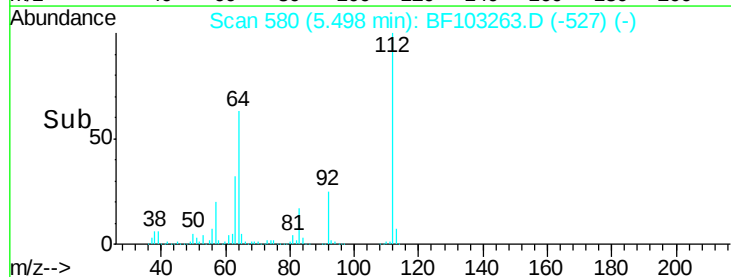
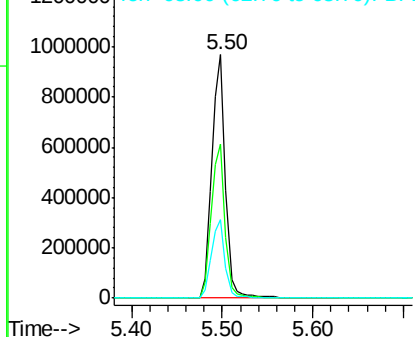
#5

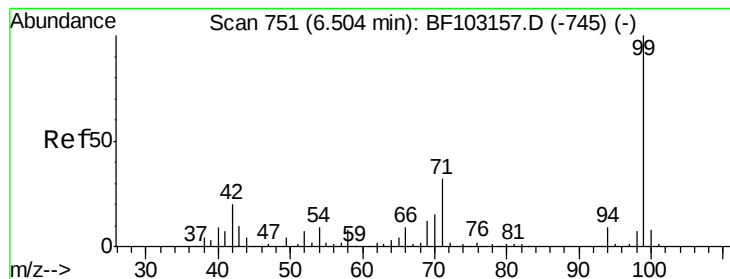
2-Fluorophenol
Concen: 100.733 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103263.D
Acq: 27 Feb 2018 15:22

Tgt Ion:112 Resp: 1025271
Ion Ratio Lower Upper
112 100
64 63.2 47.9 71.9
63 32.5 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 96.512 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF103263.D

Acq: 27 Feb 2018 15:22

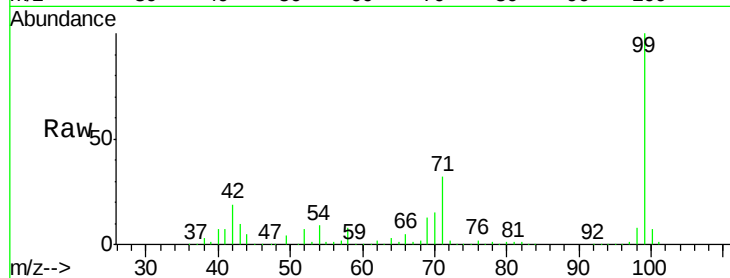
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1202005

Ion	Ratio	Lower	Upper
99	100		
42	19.2	14.5	21.7
71	32.3	25.4	38.0

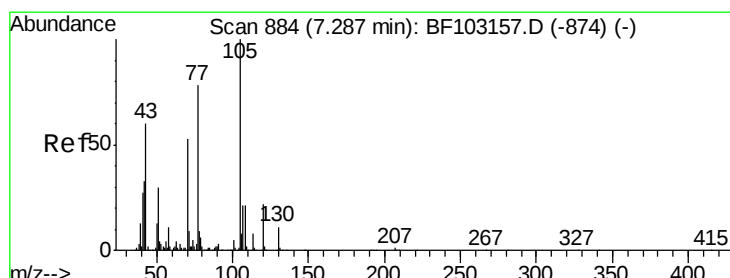
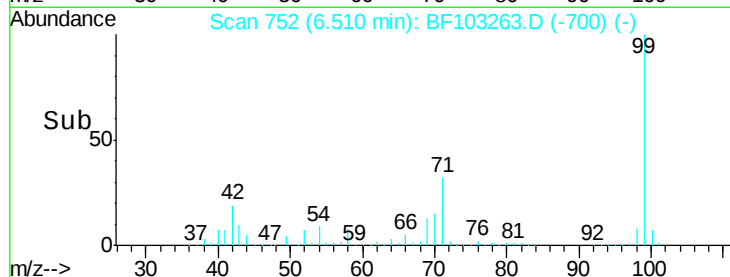


Abundance

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: 13.055 ng

RT: 7.44 min Scan# 910

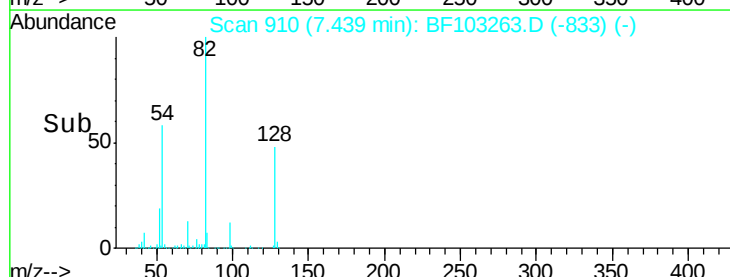
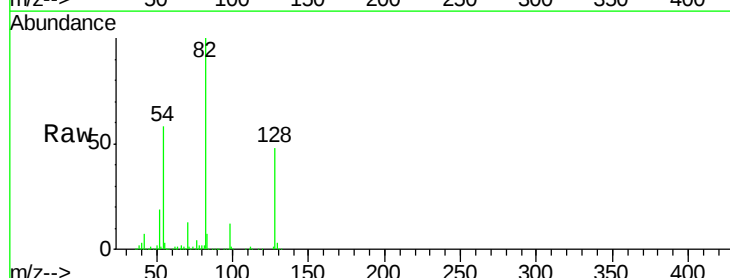
Delta R.T. 0.15 min

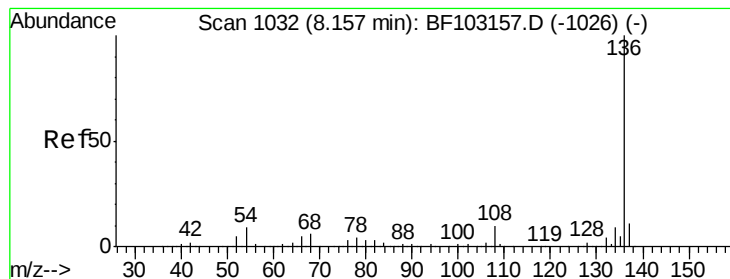
Lab File: BF103263.D

Acq: 27 Feb 2018 15:22

Tgt Ion: 70 Resp: 101196

Ion	Ratio	Lower	Upper
70	100		
42	49.8	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: 8.16 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF103263.D

Acq: 27 Feb 2018 15:22

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 635204

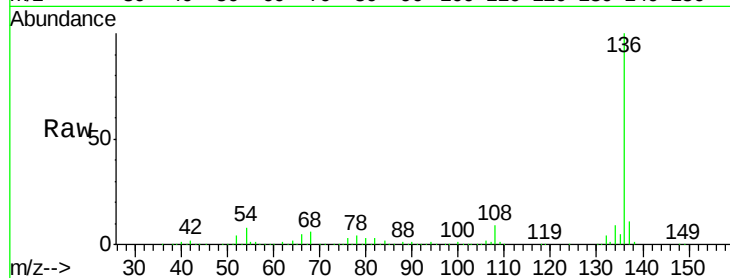
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 8.4 6.6 9.8

68 6.1 5.0 7.4

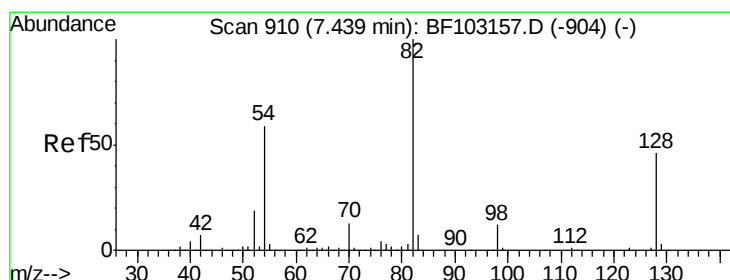
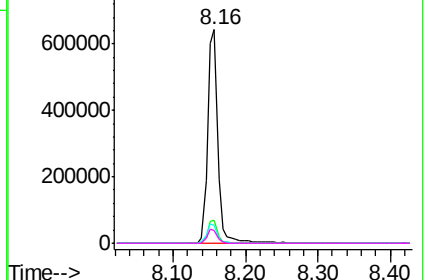
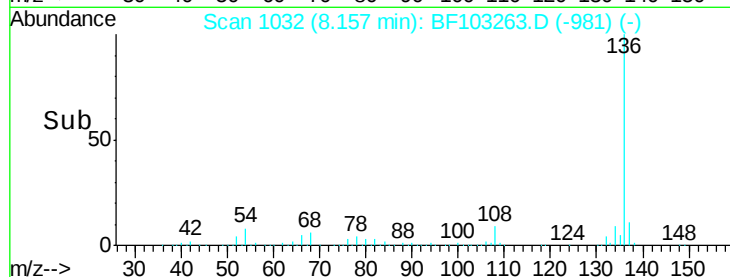


Abundance Ion 136.00 (135.70 to 136.70): E

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: 69.174 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.00 min

Lab File: BF103263.D

Acq: 27 Feb 2018 15:22

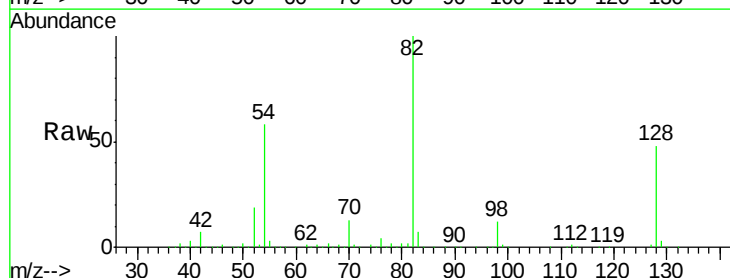
Tgt Ion: 82 Resp: 769410

Ion Ratio Lower Upper

82 100

128 47.5 36.1 54.1

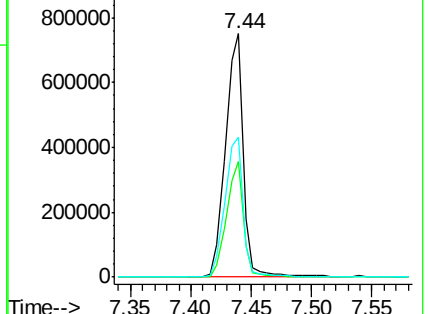
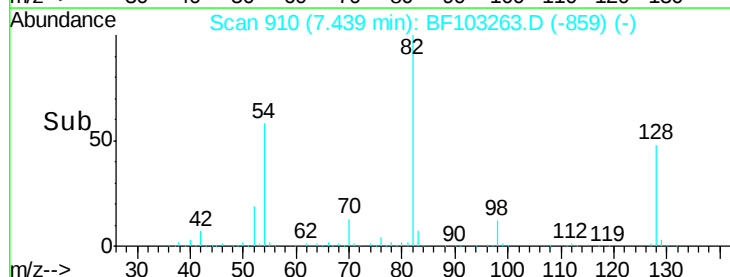
54 57.7 41.4 62.2



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: 35.127 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.25 min

Lab File: BF103263.D

Acq: 27 Feb 2018 15:22

Instrument :

BNA_F

ClientSampleId :

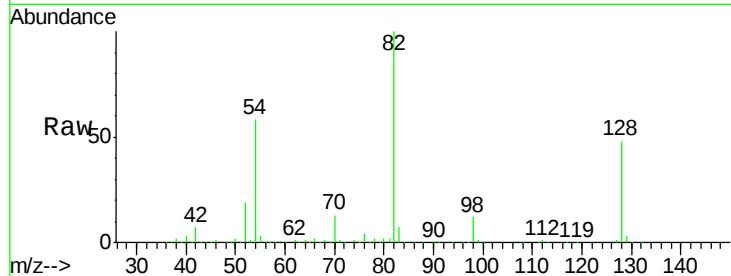
Tot Ion: 82 Resp: 769509

Ion Ratio Lower Upper

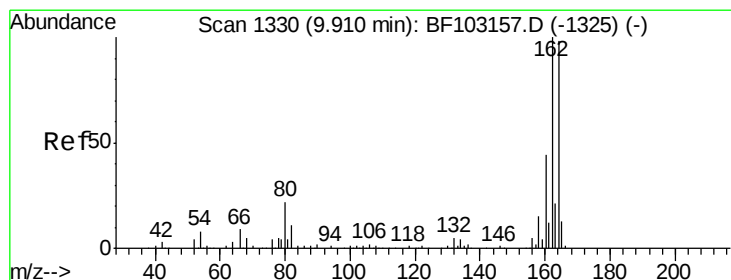
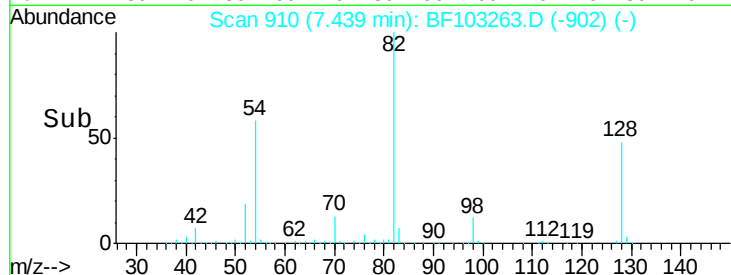
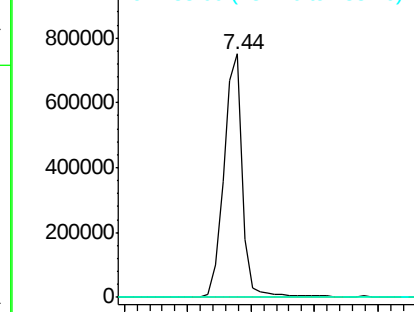
82 100

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. 0.00 min

Lab File: BF103263.D

Acq: 27 Feb 2018 15:22

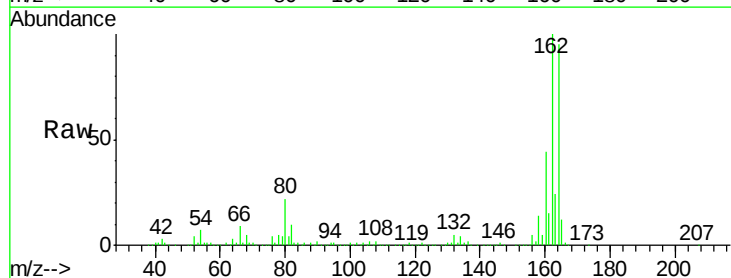
Tgt Ion:164 Resp: 267503

Ion Ratio Lower Upper

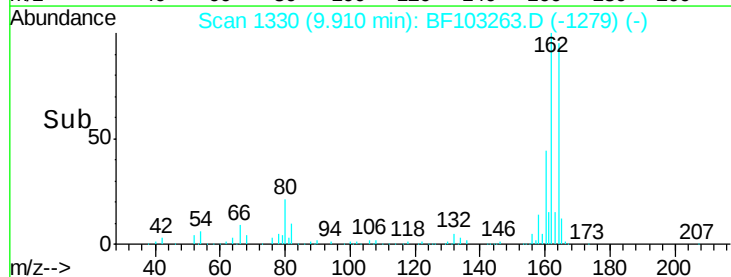
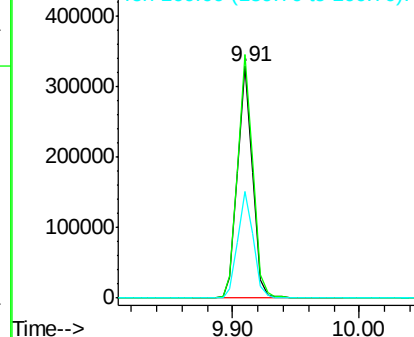
164 100

162 105.0 86.1 129.1

160 46.1 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

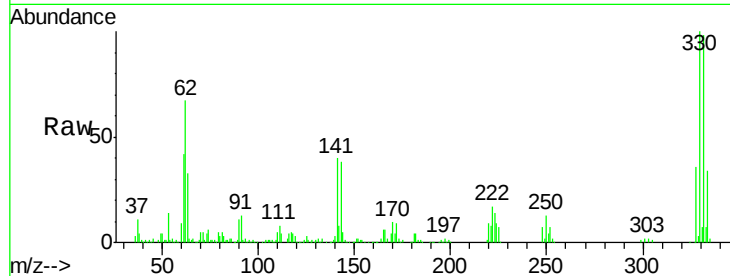




#41
 2,4,6-Tribromophenol
 Concen: 94.119 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: BF103263.D
 Acq: 27 Feb 2018 15:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	100.6	77.0	115.6
141	39.6	29.9	44.9

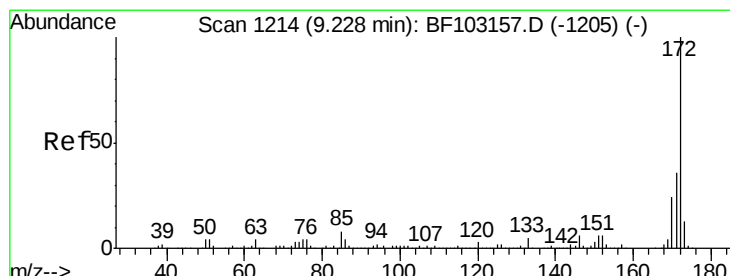
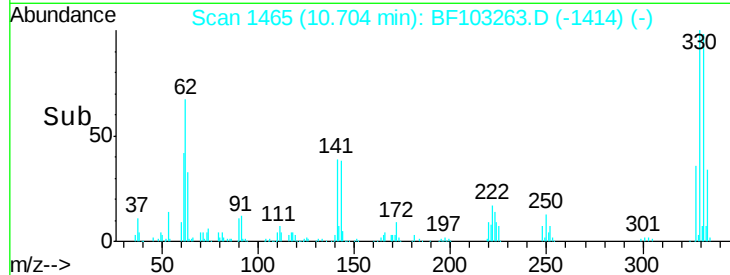
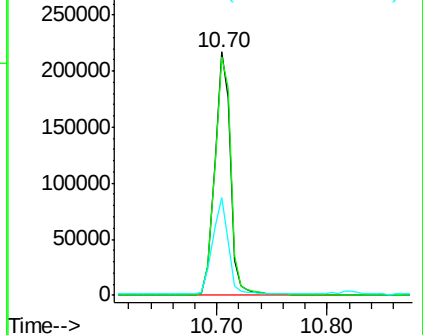


Abundance

Ion 329.80 (329.50 to 330.50): E

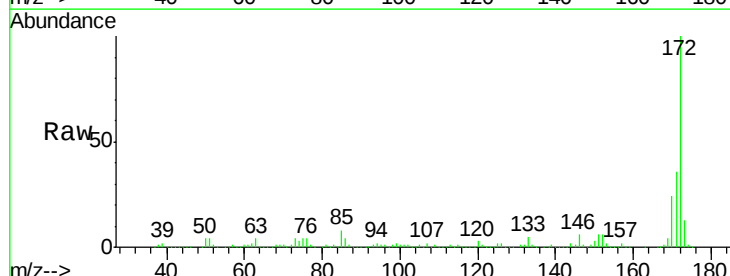
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 72.012 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: BF103263.D
 Acq: 27 Feb 2018 15:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.0	19.6	29.4

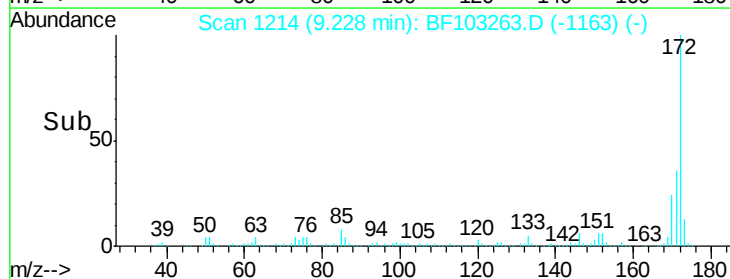
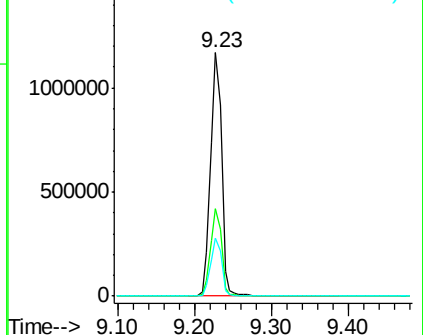


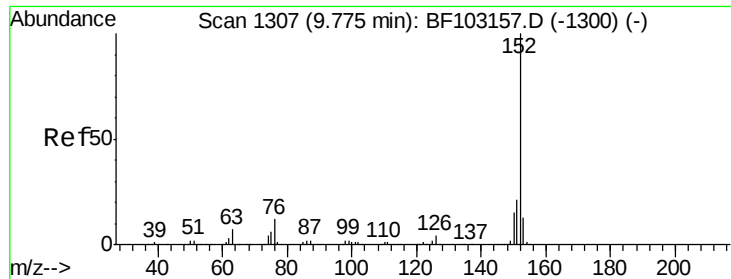
Abundance

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

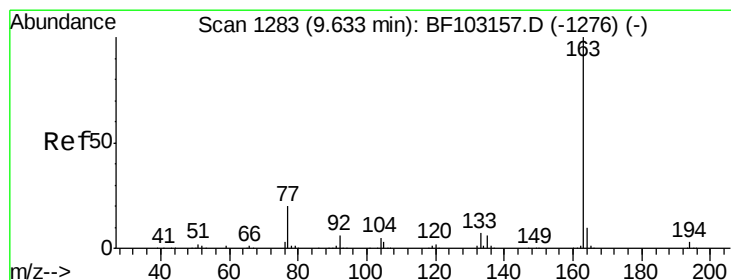
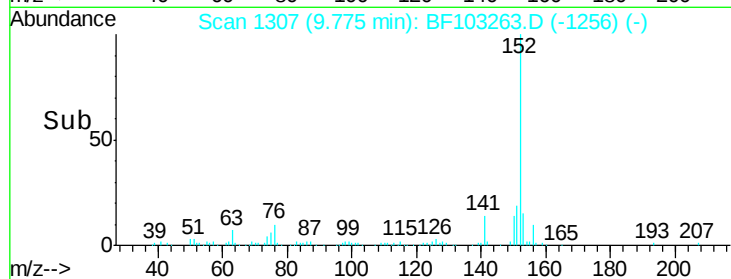
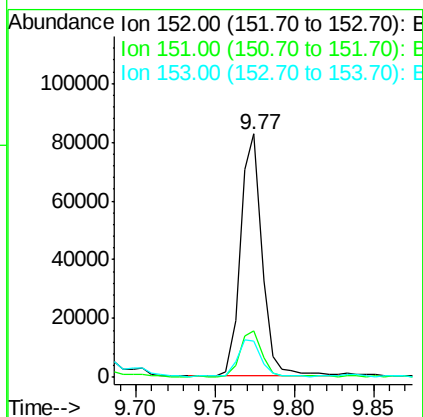
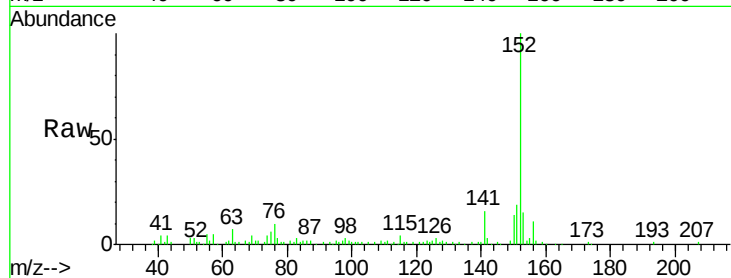




#48
Acenaphthylene
Concen: 2.860 ng
RT: 9.77 min Scan# 1307
Delta R.T. 0.00 min
Lab File: BF103263.D
Acq: 27 Feb 2018 15:22

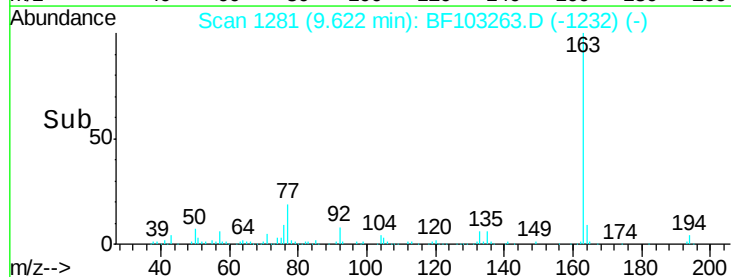
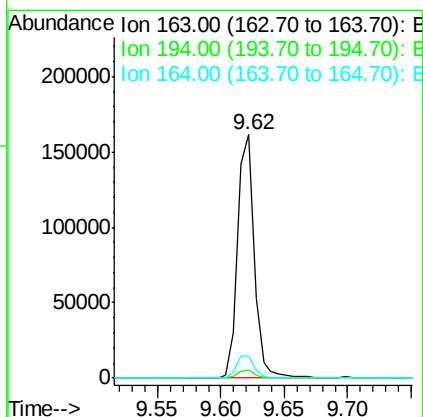
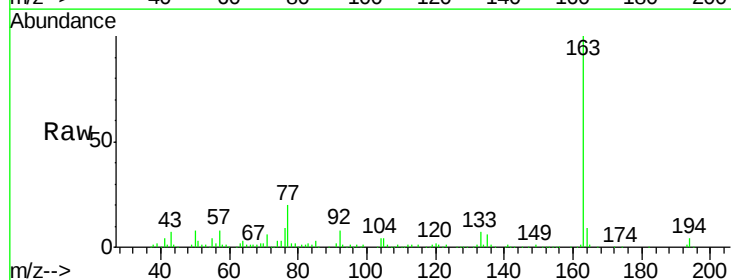
Instrument :
BNA_F
ClientSampleId :

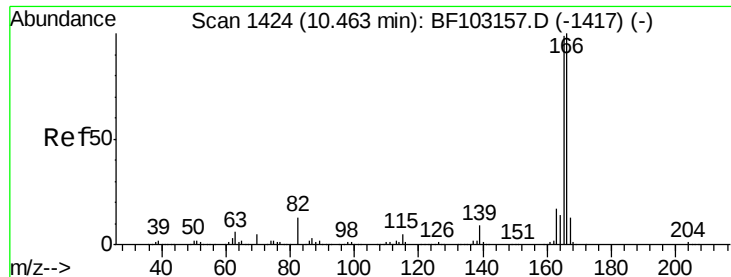
Tot Ion:152 Resp: 78043
Ion Ratio Lower Upper
152 100
151 19.3 16.3 24.5
153 15.0 10.7 16.1



#49
Dimethylphthalate
Concen: 6.827 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103263.D
Acq: 27 Feb 2018 15:22

Tgt Ion:163 Resp: 146503
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 9.3 8.2 12.2

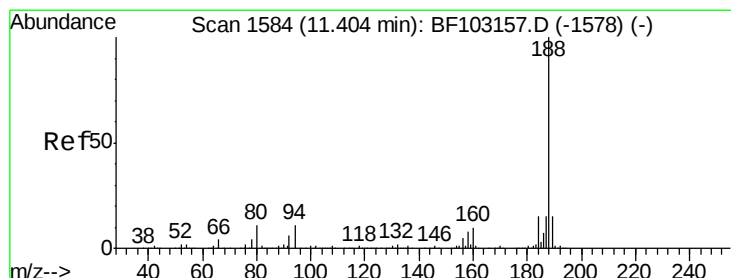
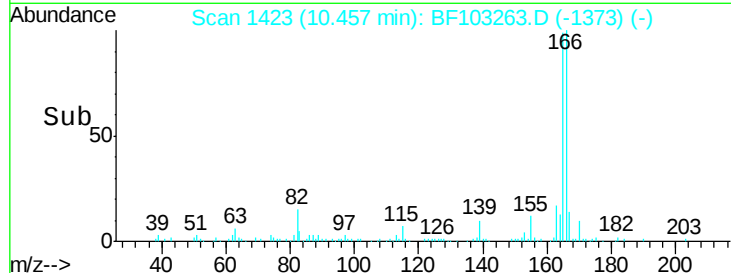
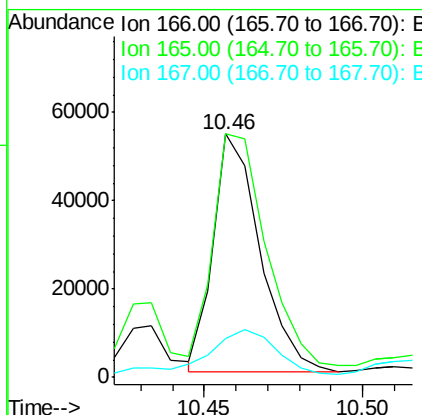
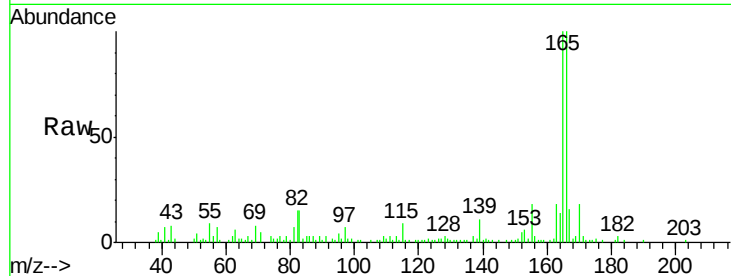




#57
 Fluorene
 Concen: 2.964 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. -0.01 min
 Lab File: BF103263.D
 Acq: 27 Feb 2018 15:22

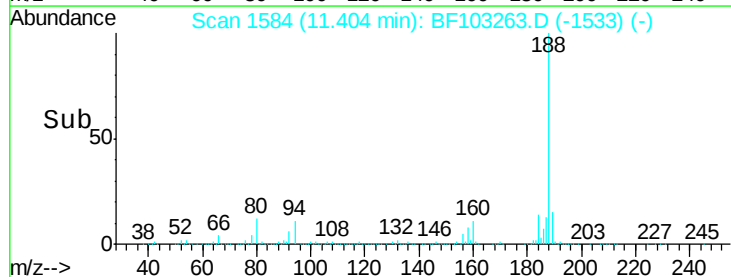
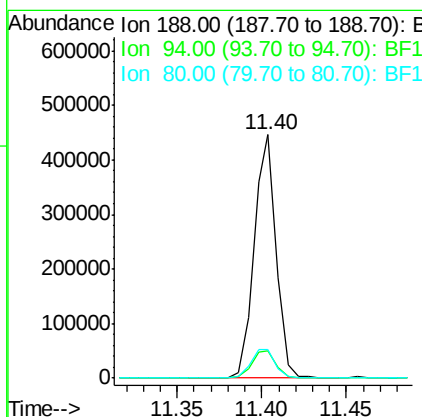
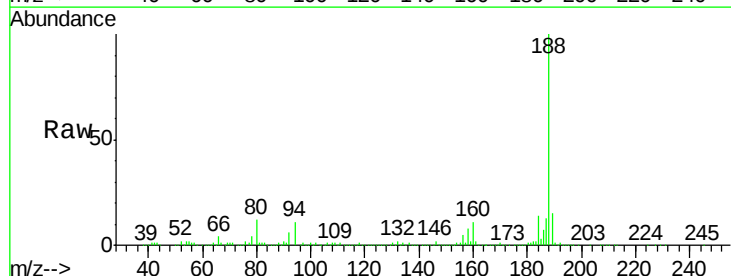
Instrument :
 BNA_F
 ClientSampleId :

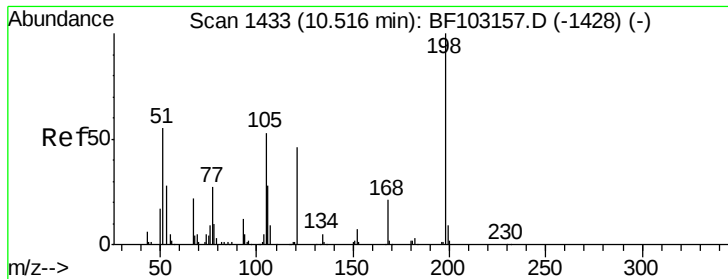
Tot Ion:166 Resp: 55148
 Ion Ratio Lower Upper
 166 100
 165 100.0 79.8 119.8
 167 16.0 10.6 16.0#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: BF103263.D
 Acq: 27 Feb 2018 15:22

Tgt Ion:188 Resp: 404060
 Ion Ratio Lower Upper
 188 100
 94 11.0 8.5 12.7
 80 11.8 9.2 13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 5.092 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.19 min

Lab File: BF103263.D

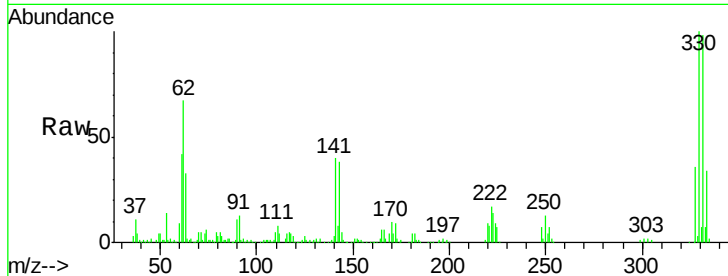
Acq: 27 Feb 2018 15:22

Instrument :

BNA_F

ClientSampled :

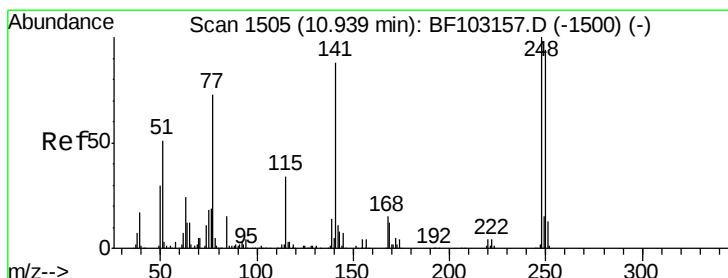
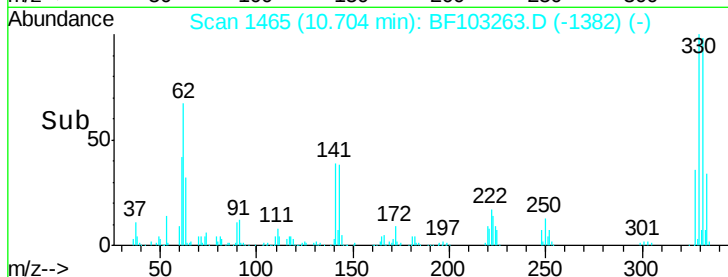
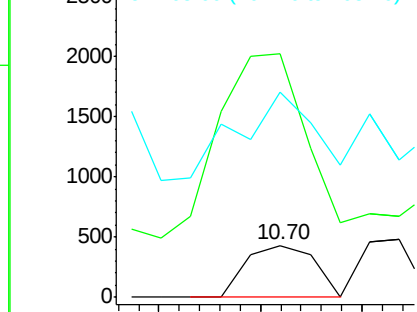
Tot Ion	198	Resp	402
Ion	Ratio	Lower	Upper
198	100		
51	470.5	37.7	77.7#
105	397.2	36.3	76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.444 ng

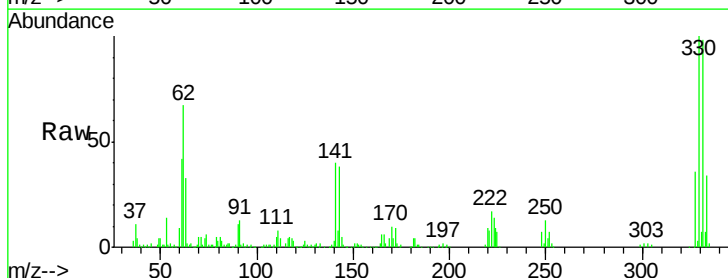
RT: 10.70 min Scan# 1465

Delta R.T. -0.24 min

Lab File: BF103263.D

Acq: 27 Feb 2018 15:22

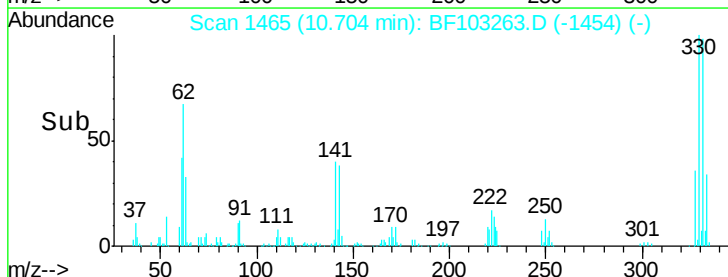
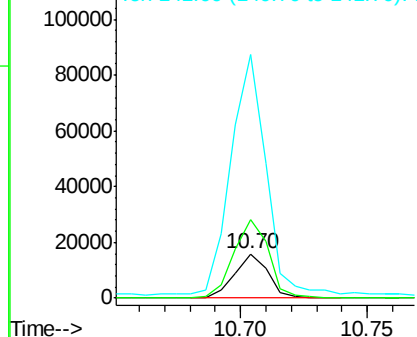
Tgt Ion	248	Resp	14498
Ion	Ratio	Lower	Upper
248	100		
250	177.2	76.9	115.3#
141	551.7	74.4	111.6#

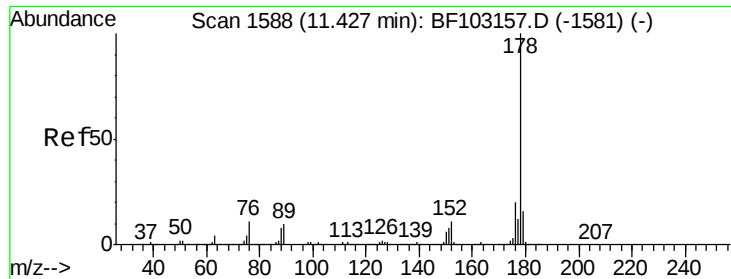


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 17.197 ng

RT: 11.43 min Scan# 1588

Delta R.T. 0.00 min

Lab File: BF103263.D

Acq: 27 Feb 2018 15:22

Instrument :

BNA_F

ClientSampleId :

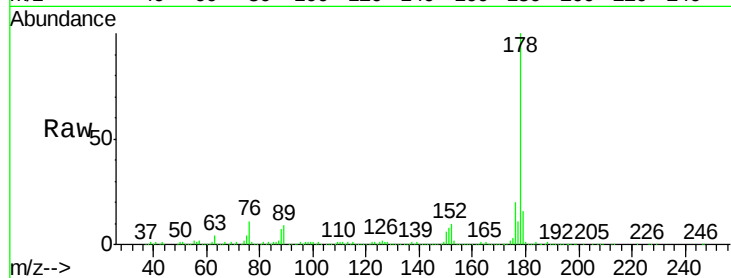
Tot Ion:178 Resp: 382406

Ion Ratio Lower Upper

178 100

176 20.0 15.8 23.8

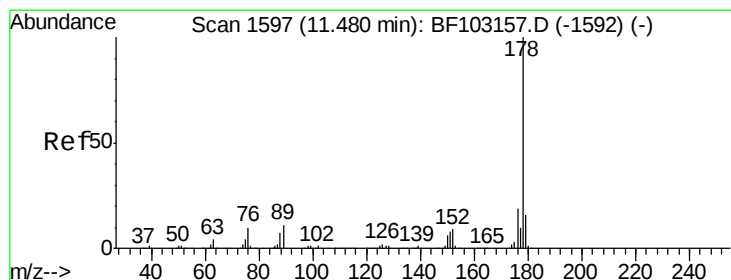
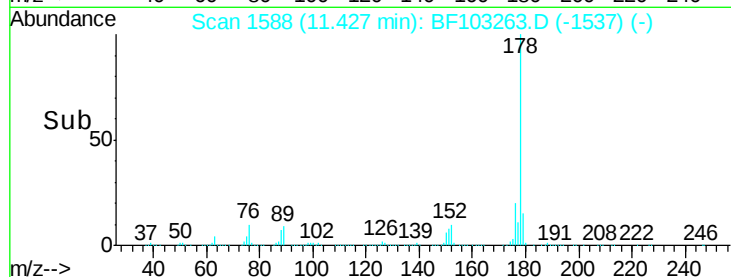
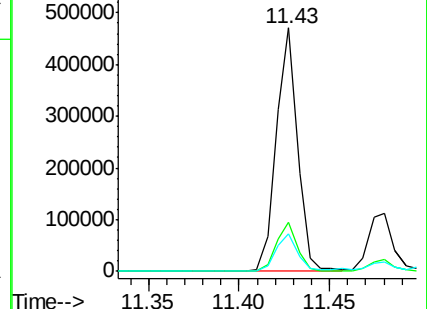
179 15.6 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 4.359 ng

RT: 11.48 min Scan# 1597

Delta R.T. 0.00 min

Lab File: BF103263.D

Acq: 27 Feb 2018 15:22

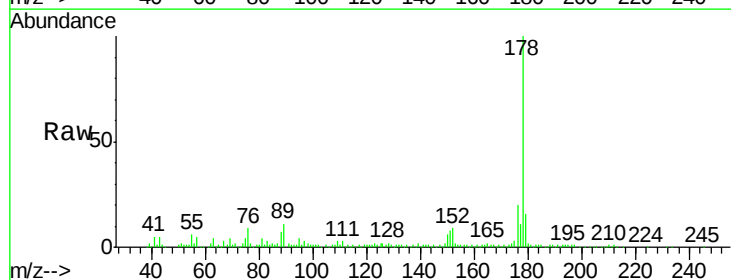
Tgt Ion:178 Resp: 99385

Ion Ratio Lower Upper

178 100

176 20.5 15.4 23.2

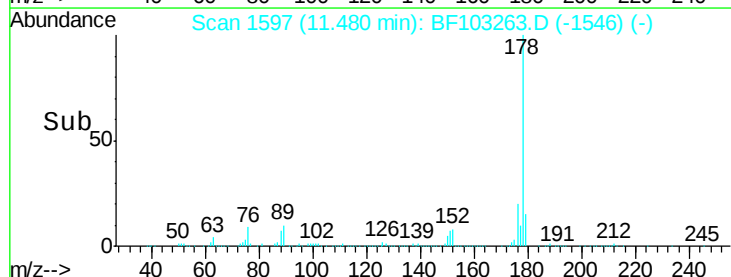
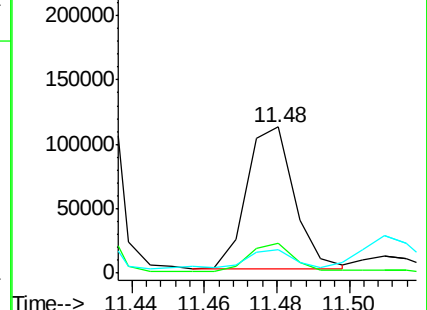
179 16.2 12.6 19.0

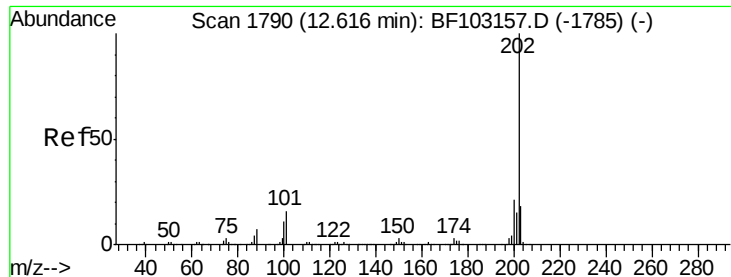


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 19.182 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.01 min

Lab File: BF103263.D

Acq: 27 Feb 2018 15:22

Instrument :

BNA_F

ClientSampleId :

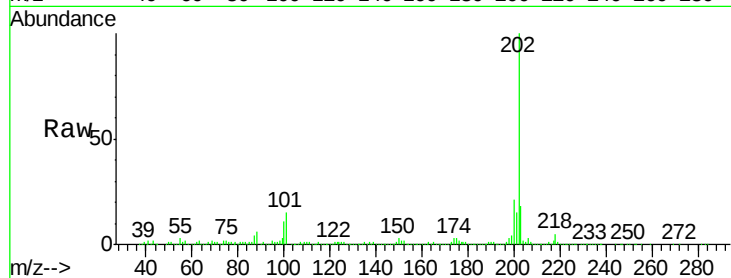
Tot Ion:202 Resp: 428627

Ion Ratio Lower Upper

202 100

101 15.1 0.0 34.1

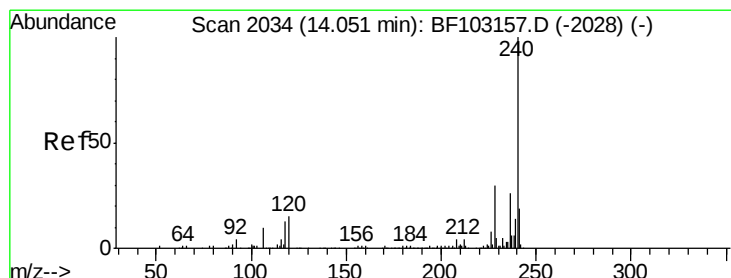
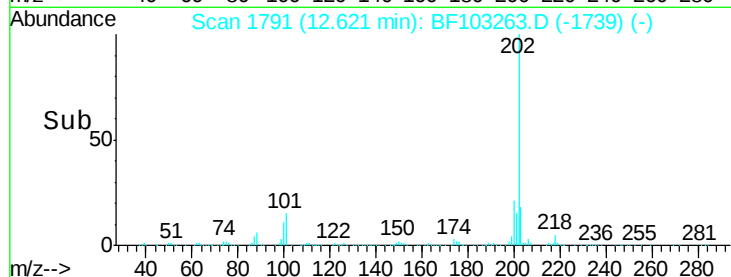
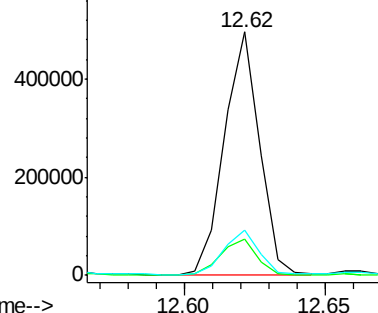
203 18.4 0.0 38.1



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: BF103263.D

Acq: 27 Feb 2018 15:22

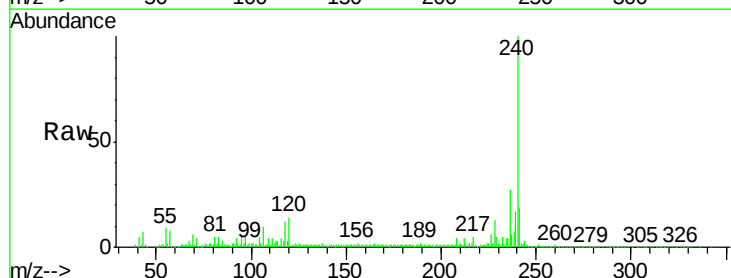
Tgt Ion:240 Resp: 266144

Ion Ratio Lower Upper

240 100

120 14.3 9.5 14.3#

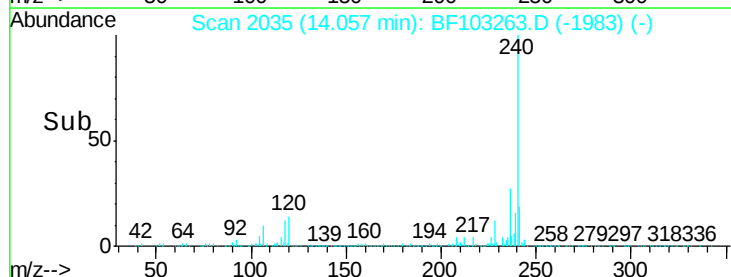
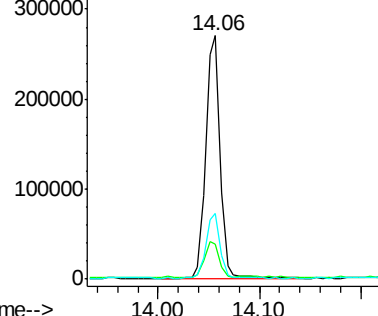
236 27.2 20.7 31.1

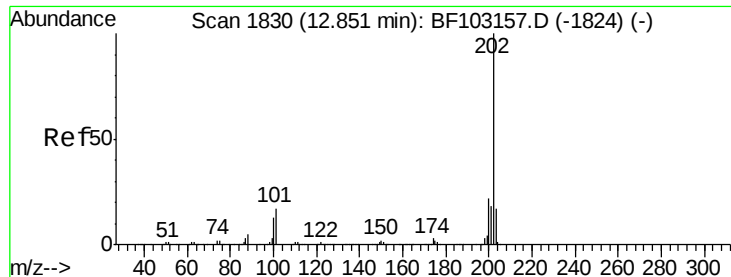


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 25.469 ng

RT: 12.85 min Scan# 1830

Delta R.T. 0.00 min

Lab File: BF103263.D

Acq: 27 Feb 2018 15:22

Instrument :

BNA_F

ClientSampleId :

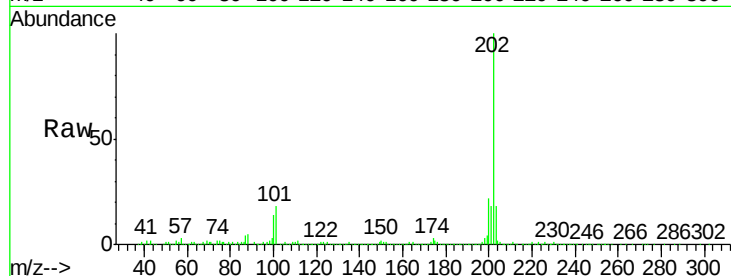
Tot Ion:202 Resp: 528489

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

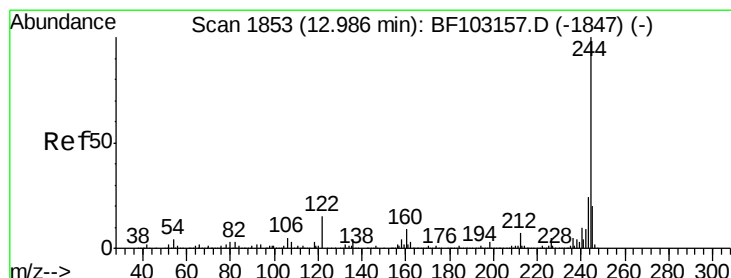
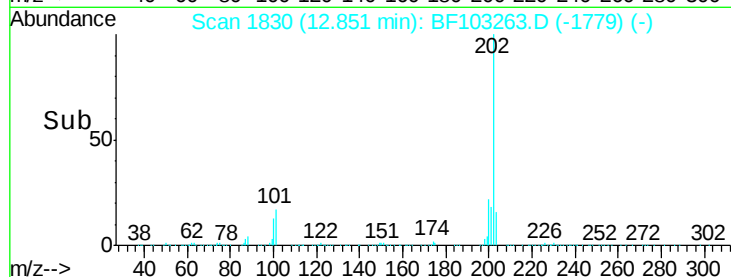
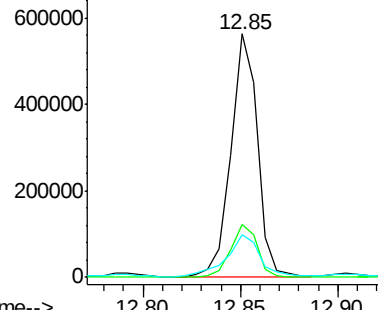
203 17.5 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 70.363 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.00 min

Lab File: BF103263.D

Acq: 27 Feb 2018 15:22

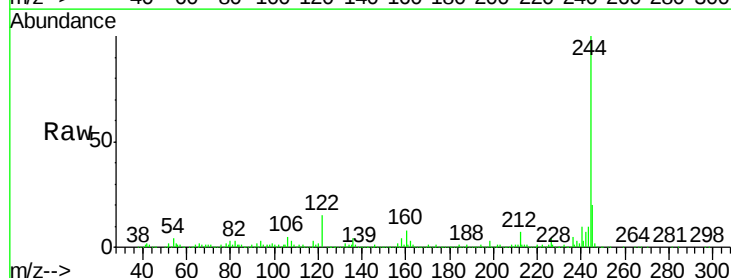
Tgt Ion:244 Resp: 779025

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

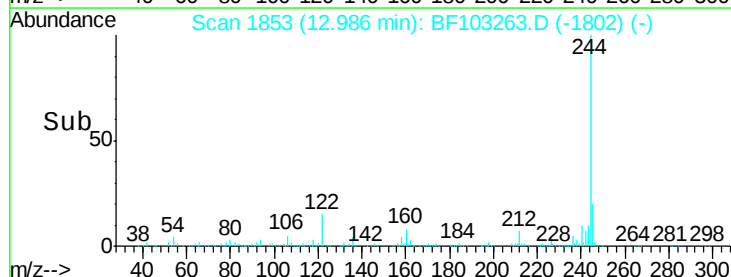
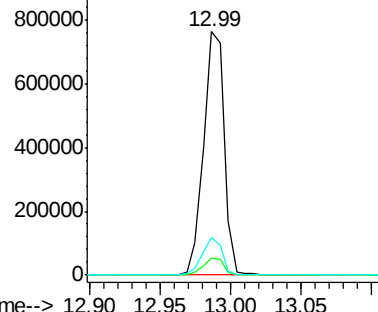
122 15.2 11.0 16.4

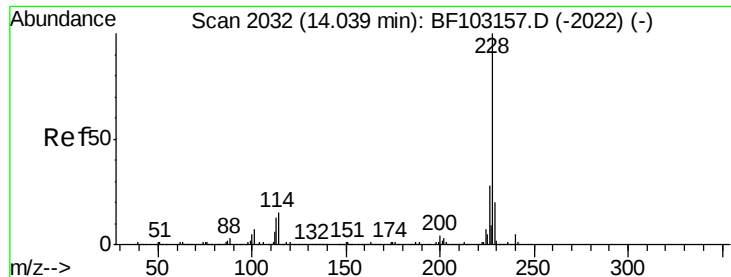


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

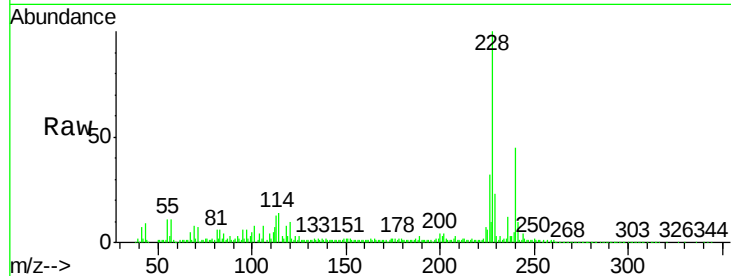




#80
Benzo(a)anthracene
Concen: 11.594 ng
RT: 14.04 min Scan# 2033
Delta R.T. 0.01 min
Lab File: BF103263.D
Acq: 27 Feb 2018 15:22

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.0	22.6	33.8
229	23.4	15.8	23.6

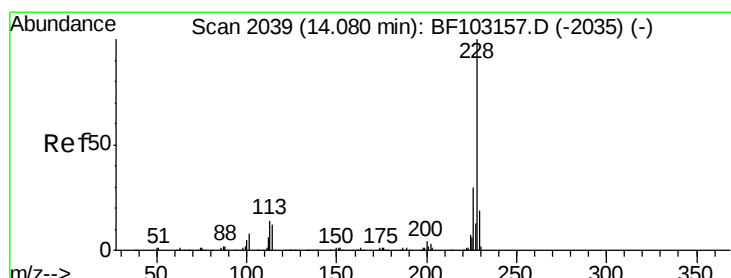
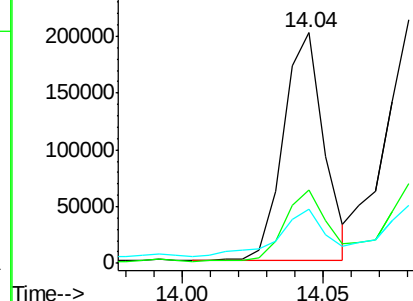
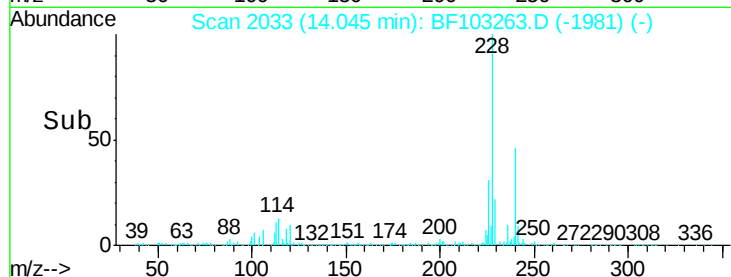


Abundance

Ion 228.00 (227.70 to 228.70): E

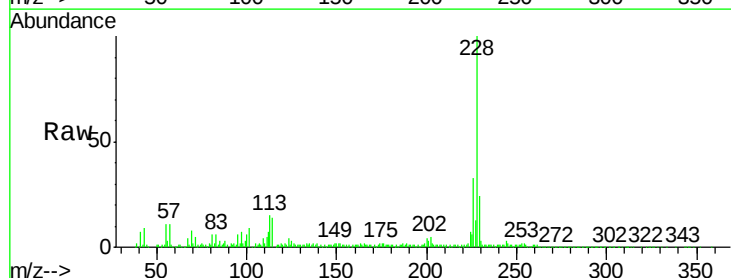
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82
Chrysene
Concen: 12.970 ng
RT: 14.08 min Scan# 2039
Delta R.T. 0.00 min
Lab File: BF103263.D
Acq: 27 Feb 2018 15:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.0	25.0	37.6
229	23.7	16.2	24.4

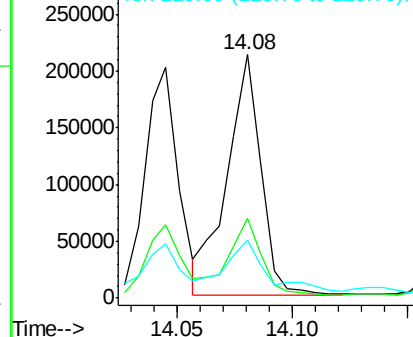
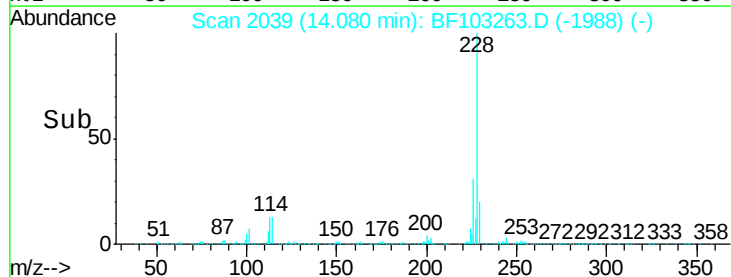


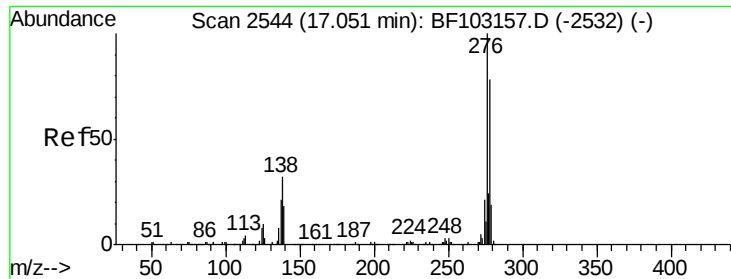
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

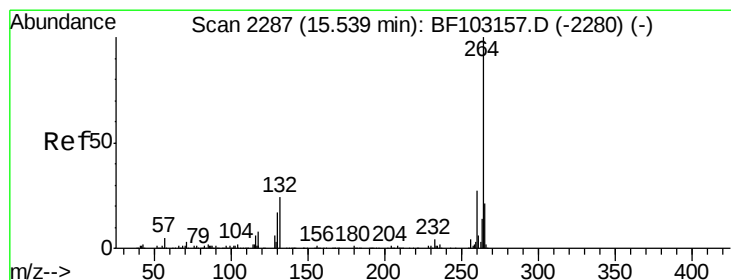
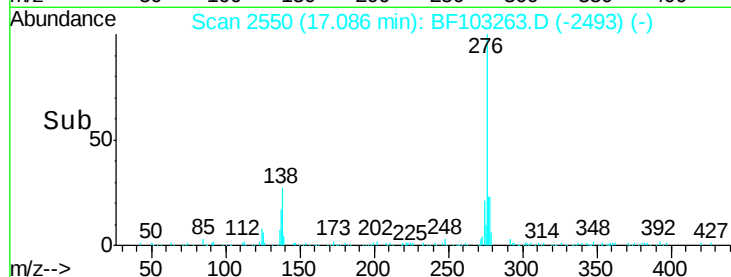
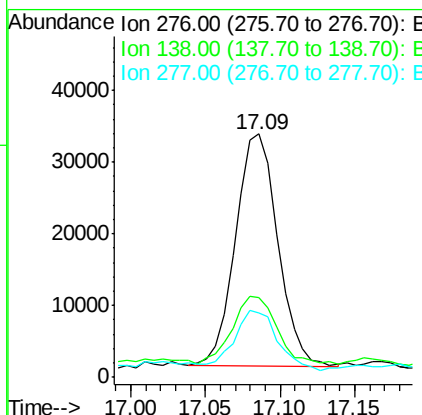
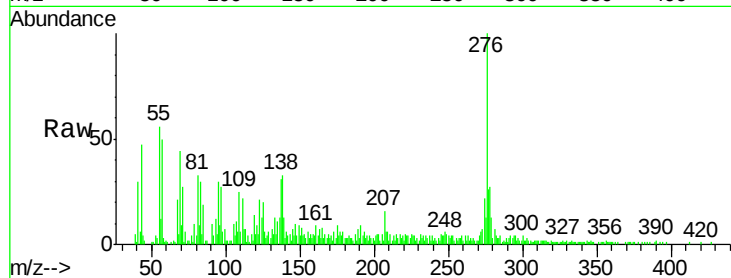




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.829 ng
 RT: 17.09 min Scan# 2550
 Delta R.T. 0.04 min
 Lab File: BF103263.D
 Acq: 27 Feb 2018 15:22

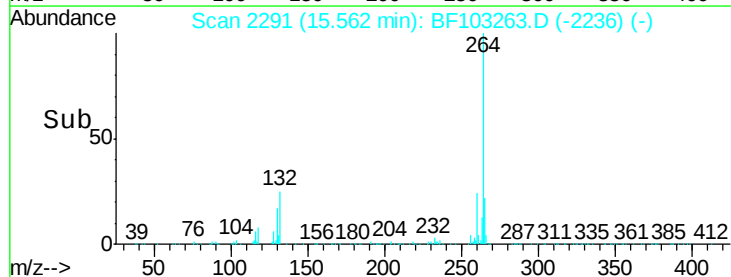
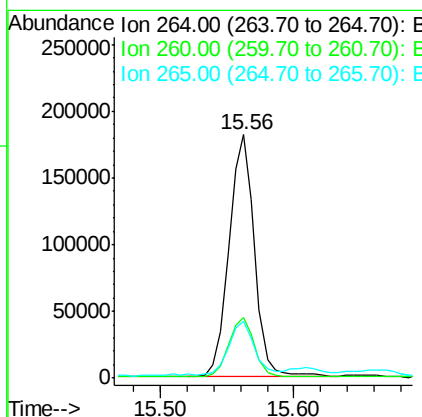
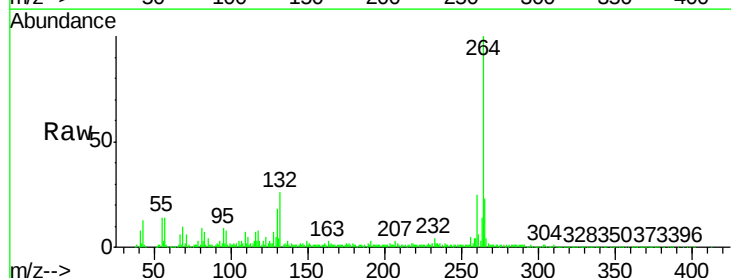
Instrument :
 BNA_F
 ClientSampleId :

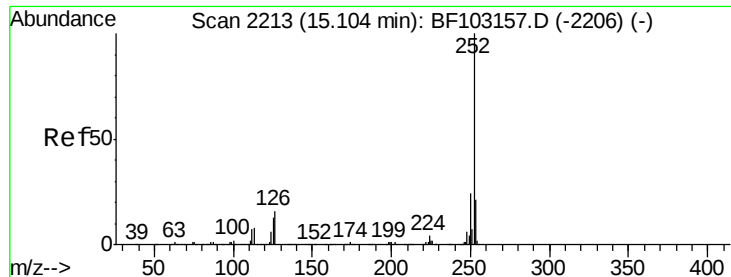
Tot Ion	Ratio	Lower	Upper
276	100		
138	31.6	25.0	37.6
277	25.9	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.56 min Scan# 2291
 Delta R.T. 0.02 min
 Lab File: BF103263.D
 Acq: 27 Feb 2018 15:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	23.0	17.5	26.3

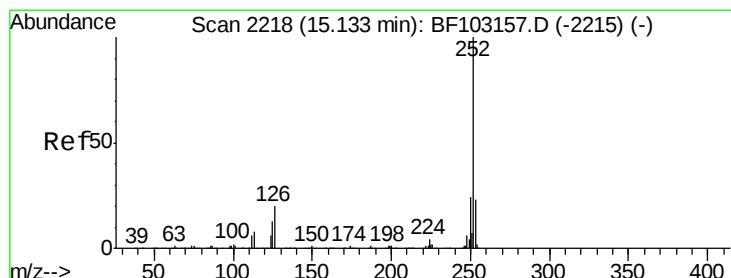
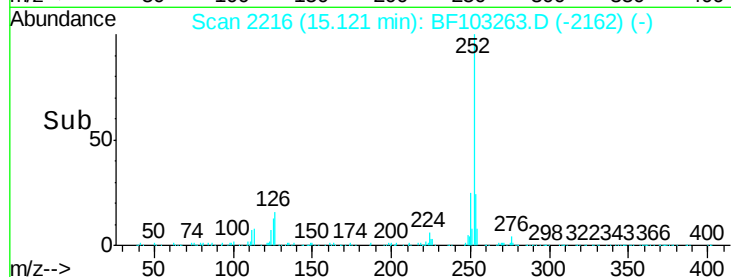
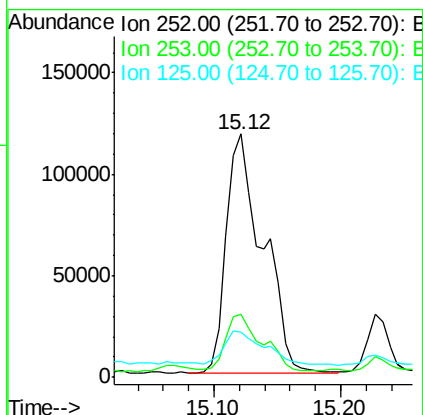
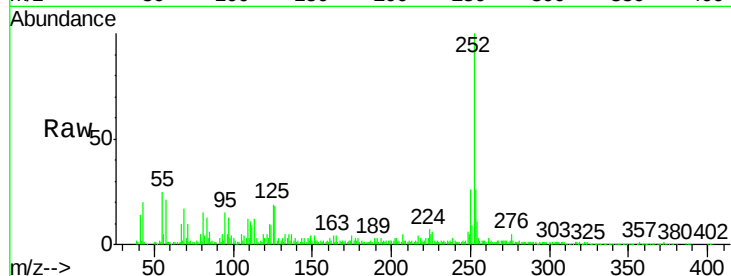




#87
Benzo(b)fluoranthene
Concen: 14.862 ng
RT: 15.12 min Scan# 2216
Delta R.T. 0.02 min
Lab File: BF103263.D
Acq: 27 Feb 2018 15:22

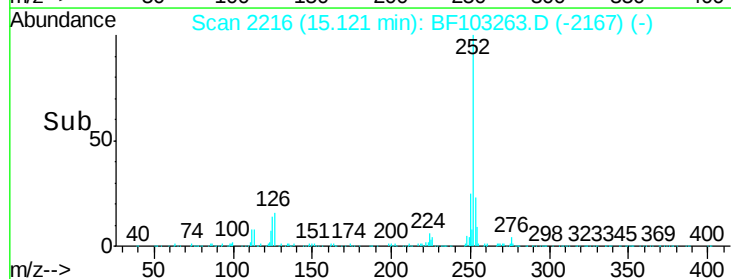
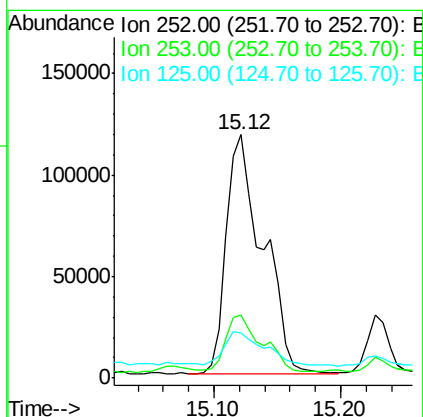
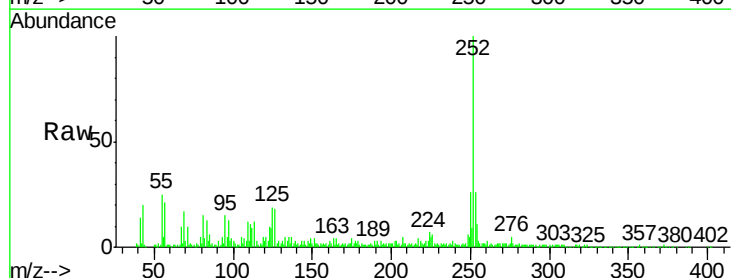
Instrument :
BNA_F
ClientSampleId :

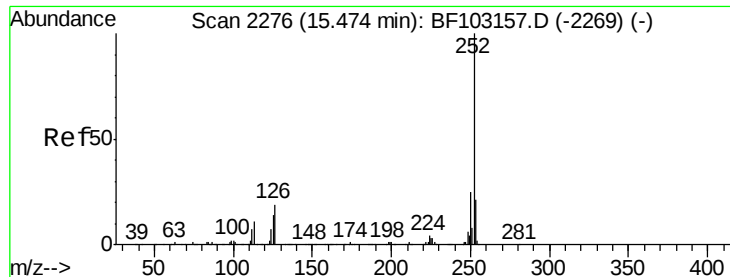
Tot Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.0	25.6#
125	18.8	9.0	13.6#



#88
Benzo(k)fluoranthene
Concen: 15.783 ng
RT: 15.12 min Scan# 2216
Delta R.T. -0.01 min
Lab File: BF103263.D
Acq: 27 Feb 2018 15:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.9	26.9
125	18.8	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 10.001 ng

RT: 15.50 min Scan# 2280

Delta R.T. 0.02 min

Lab File: BF103263.D

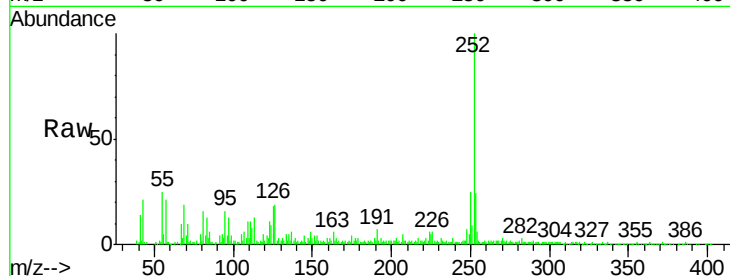
Acq: 27 Feb 2018 15:22

Instrument :

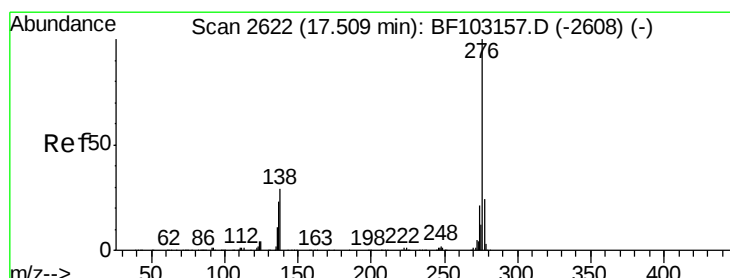
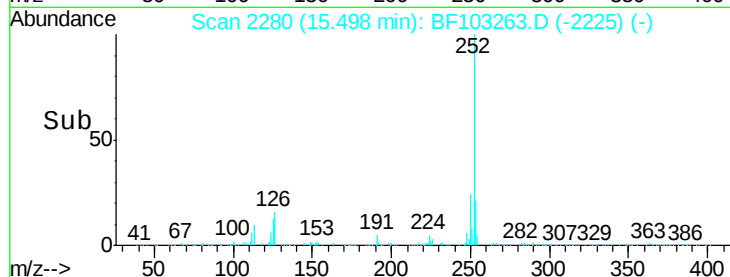
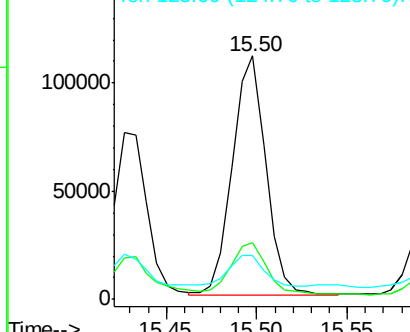
BNA_F

ClientSampleId :

Tot Ion:	252	Resp:	142313
Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	18.2	9.8	14.6#



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



#91

Benzo(g,h,i)perylene

Concen: 6.303 ng

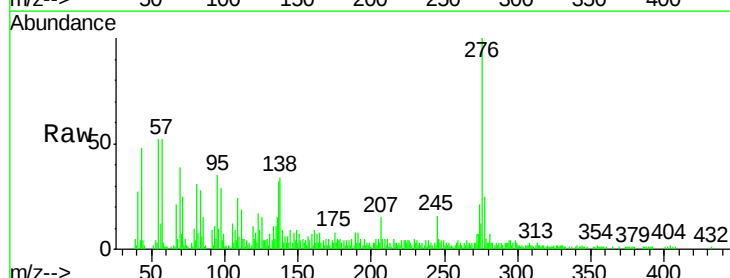
RT: 17.55 min Scan# 2629

Delta R.T. 0.04 min

Lab File: BF103263.D

Acq: 27 Feb 2018 15:22

Tgt Ion:	276	Resp:	67735
Ion	Ratio	Lower	Upper
276	100		
277	25.4	17.9	26.9
138	34.1	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

