

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031318\
 Data File : BF103603.D
 Acq On : 13 Mar 2018 14:48
 Operator : SJ/JU
 Sample : J1876-02RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 13 16:07:39 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 09 11:47:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	135926	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	584141	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	262720	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	496272	20.00	ng	-0.01
75) Chrysene-d12	14.05	240	367066	20.00	ng	-0.01
86) Perylene-d12	15.56	264	337253	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	141397	15.73	ng	0.05
7) Phenol-d6	6.50	99	1099791	100.01	ng	-0.01
23) Nitrobenzene-d5	7.43	82	788960	77.13	ng	-0.01
41) 2,4,6-Tribromophenol	10.71	330	14301	6.43	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1104394	69.25	ng	-0.01
78) Terphenyl-d14	12.98	244	941817	61.68	ng	0.00

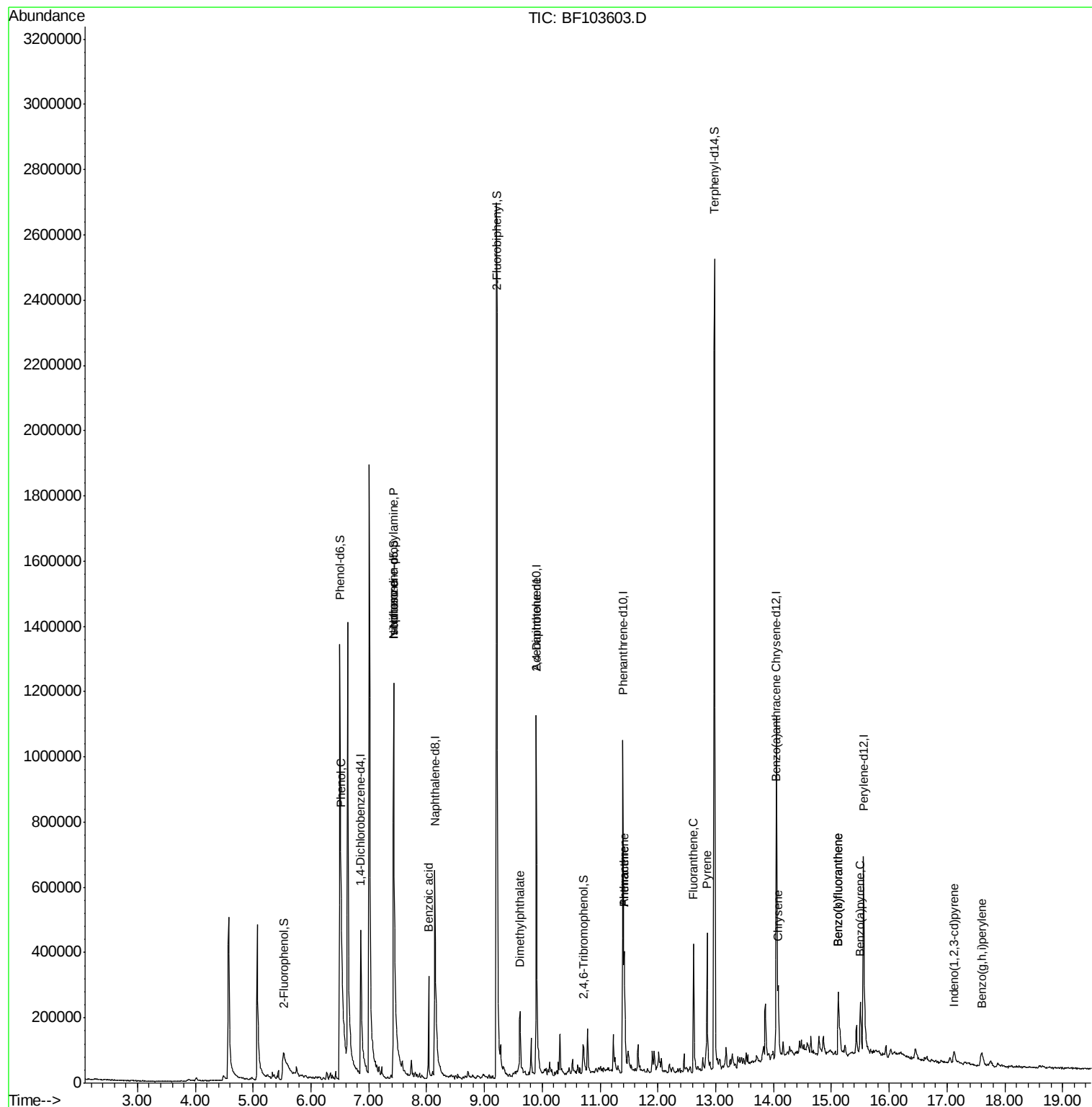
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.52	77	3710	Below Cal		88
10) Phenol	6.52	94	27533	2.157 ng	#	1
19) n-Nitroso-di-n-propylamine	7.43	70	97657	14.268 ng	#	81
25) Isophorone	7.43	82	790536	39.242 ng	#	64
32) Benzoic acid	8.03	122	1124	7.074 ng	#	1
49) Dimethylphthalate	9.62	163	122634	5.819 ng	#	97
56) 2,4-Dinitrotoluene	9.90	165	34452	6.159 ng	#	24
70) Phenanthrene	11.42	178	154579	5.660 ng		97
71) Anthracene	11.42	178	154579	5.519 ng		98
74) Fluoranthene	12.62	202	200736	7.314 ng		98
77) Pyrene	12.85	202	191038	6.675 ng		98
80) Benzo(a)anthracene	14.04	228	80282	3.371 ng		94
82) Chrysene	14.08	228	77892	3.368 ng		99
85) Indeno(1,2,3-cd)pyrene	17.13	276	39707	2.169 ng		94
87) Benzo(b)fluoranthene	15.12	252	131489	5.930 ng	#	95
88) Benzo(k)fluoranthene	15.12	252	131489	6.297 ng	#	96
89) Benzo(a)pyrene	15.50	252	71504	3.611 ng	#	94
91) Benzo(g,h,i)perylene	17.60	276	35613	2.381 ng		95

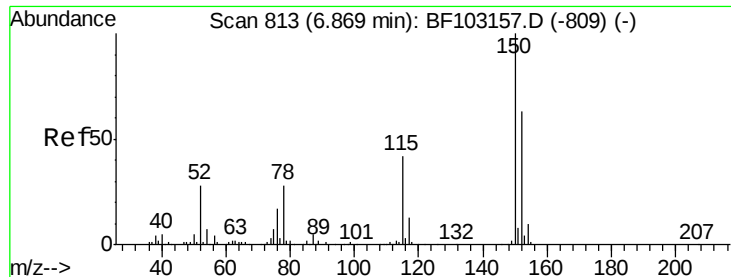
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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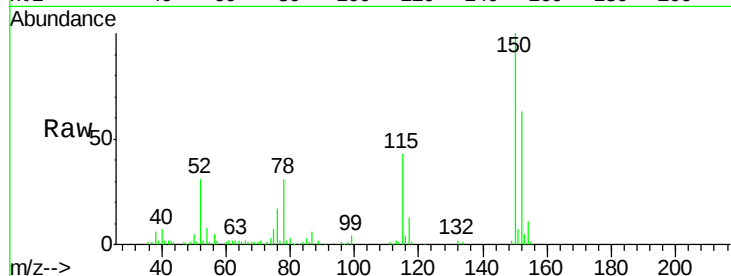


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF103603.D
Acq: 13 Mar 2018 14:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.3	124.6	186.8
115	68.0	50.1	75.1

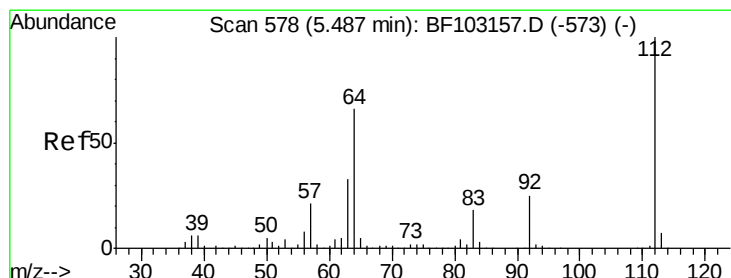
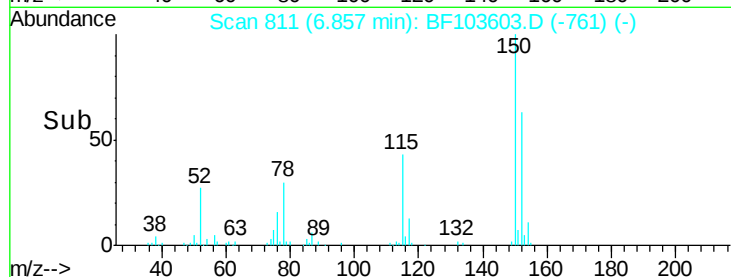
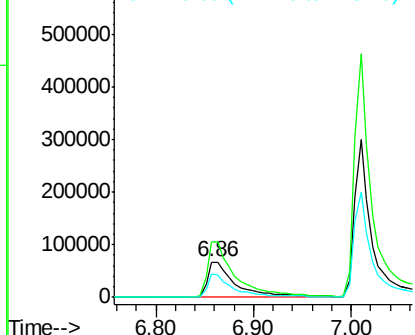


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

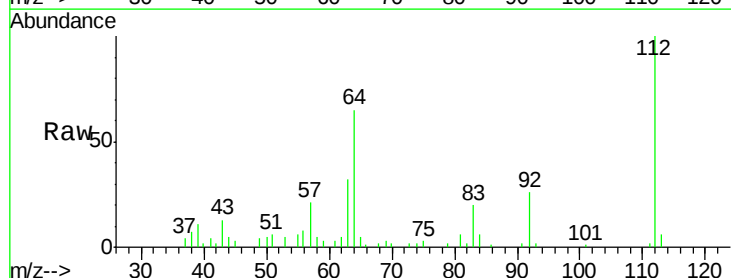
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 15.733 ng
RT: 5.53 min Scan# 586
Delta R.T. 0.05 min
Lab File: BF103603.D
Acq: 13 Mar 2018 14:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.5	47.9	71.9
63	31.9	23.7	35.5

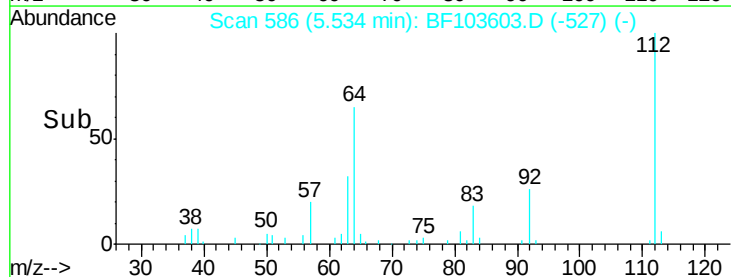
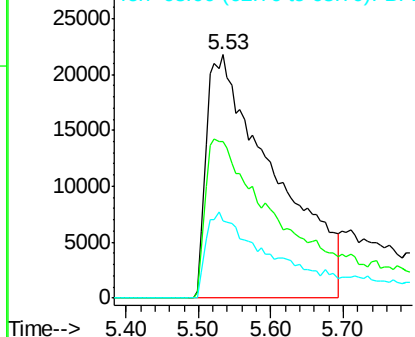


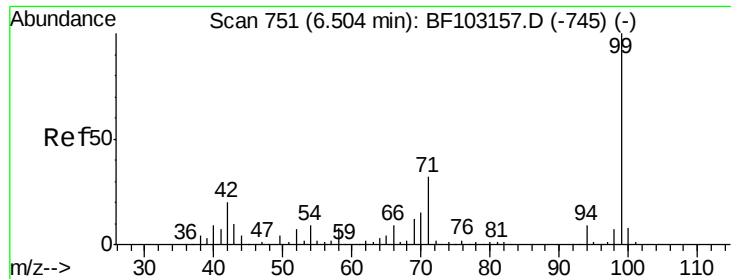
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 100.006 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF103603.D

Acq: 13 Mar 2018 14:48

Instrument :

BNA_F

ClientSampleId :

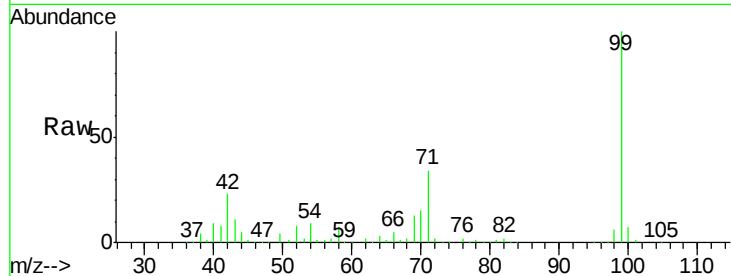
Tot Ion: 99 Resp: 1099791

Ion Ratio Lower Upper

99 100

42 22.7 14.5 21.7#

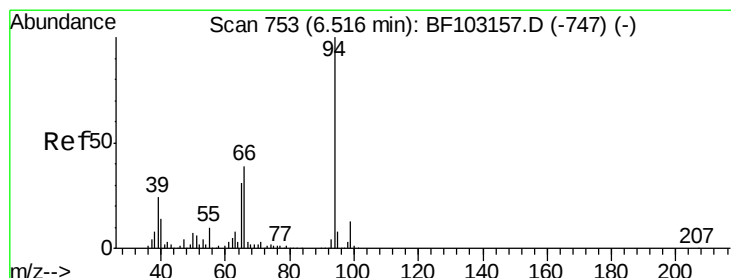
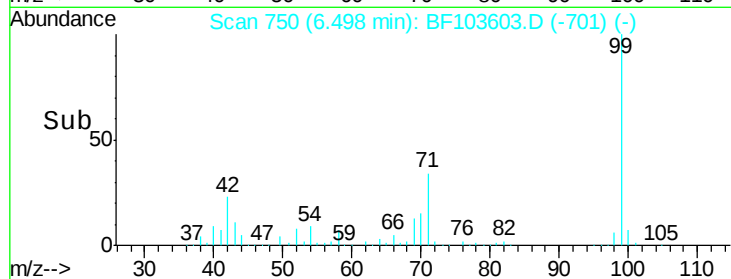
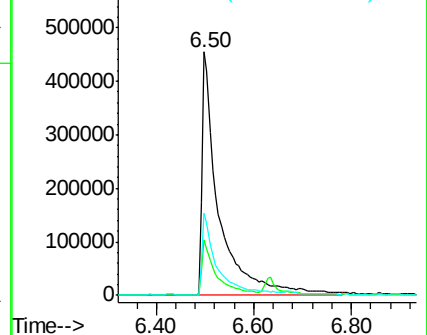
71 33.8 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.157 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF103603.D

Acq: 13 Mar 2018 14:48

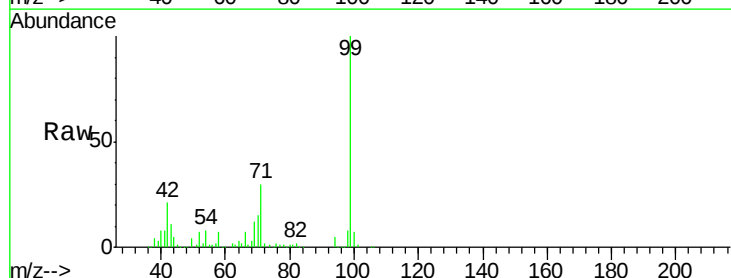
Tgt Ion: 94 Resp: 27533

Ion Ratio Lower Upper

94 100

65 54.0 7.9 47.9#

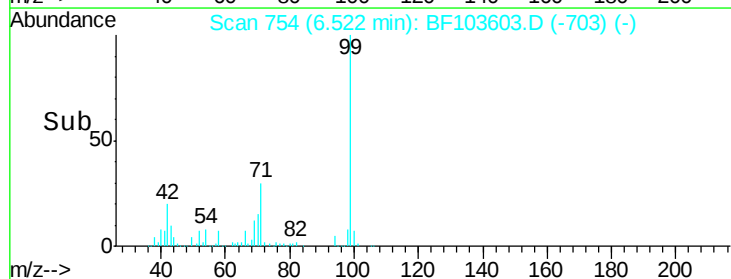
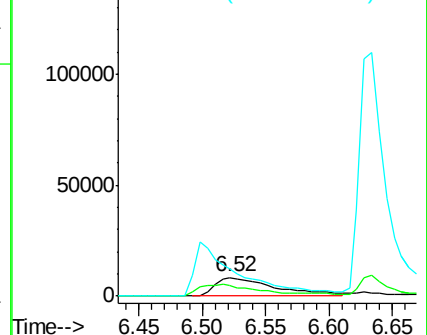
66 146.0 16.2 56.2#

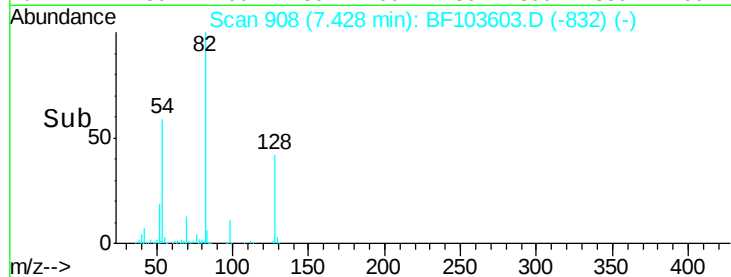
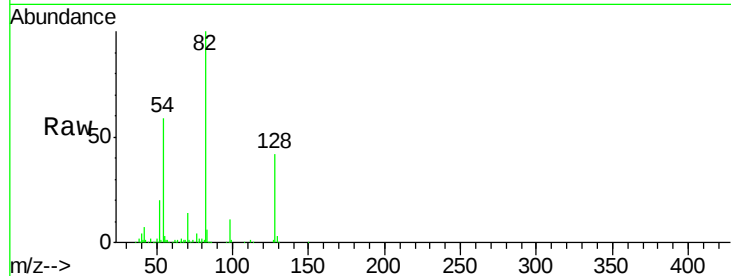
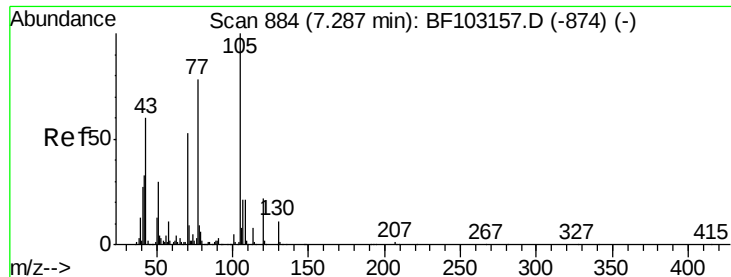


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

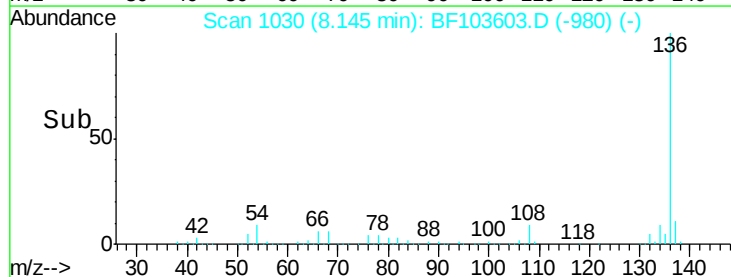
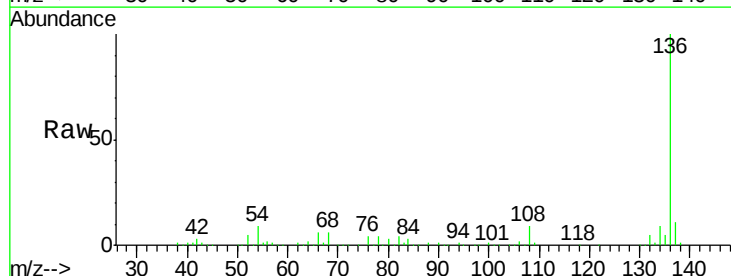
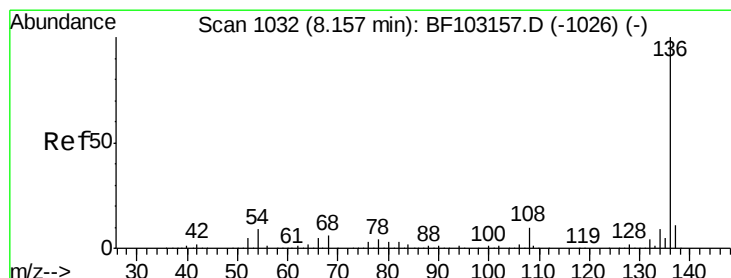
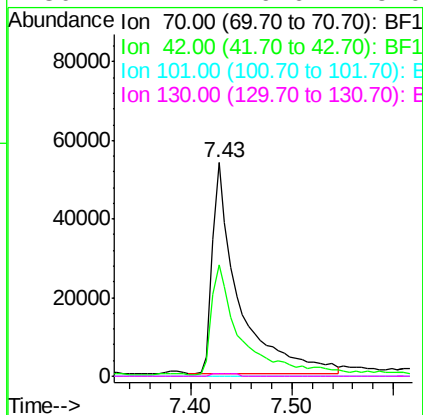




#19
n-Nitroso-di-n-propylamine
Concen: 14.268 ng
RT: 7.43 min Scan# 908
Delta R.T. 0.15 min
Lab File: BF103603.D
Acq: 13 Mar 2018 14:48

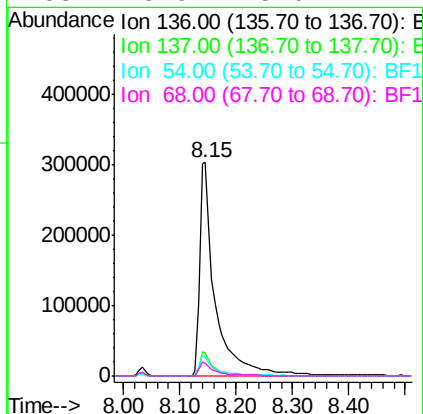
Instrument :
BNA_F
ClientSampleId :

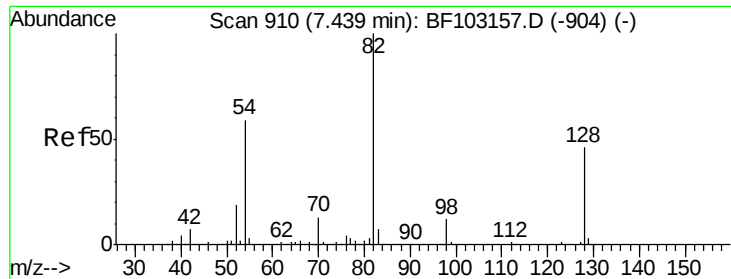
Tot Ion: 70 Resp: 97657
Ion Ratio Lower Upper
70 100
42 52.4 47.5 71.3
101 0.0 7.4 11.2#
130 1.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF103603.D
Acq: 13 Mar 2018 14:48

Tgt Ion: 136 Resp: 584141
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 9.1 6.6 9.8
68 5.9 5.0 7.4

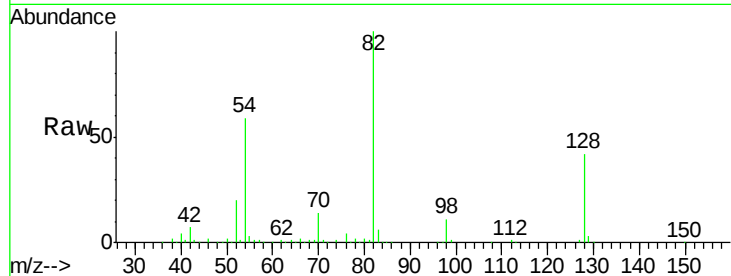




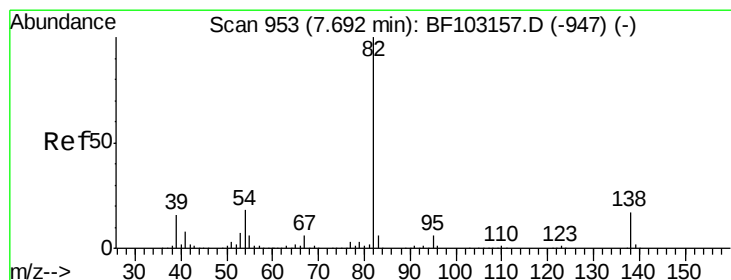
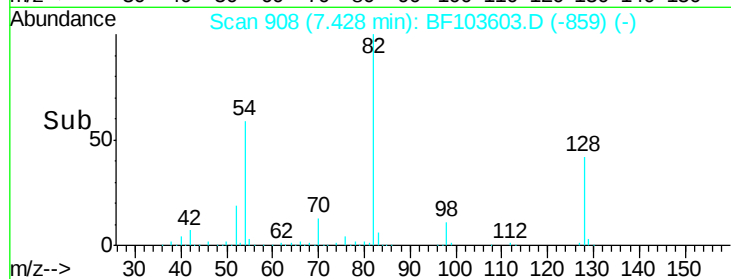
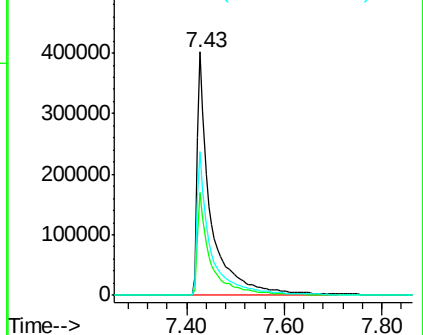
#23
Nitrobenzene-d5
Concen: 77.133 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF103603.D
Acq: 13 Mar 2018 14:48

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	788960
Ion Ratio	Lower	Upper	
82	100		
128	42.2	36.1	54.1
54	58.9	41.4	62.2

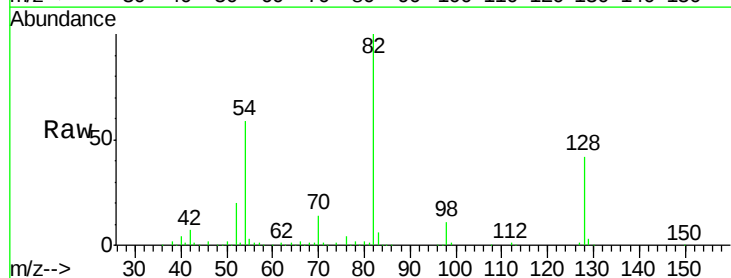


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

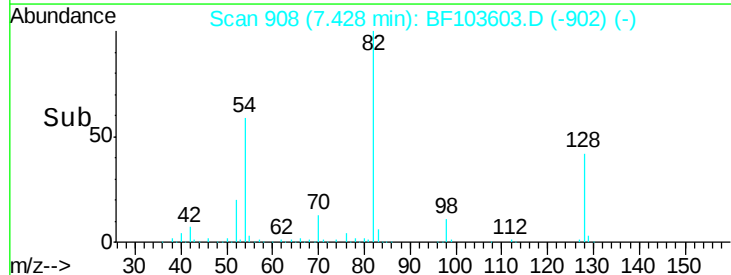
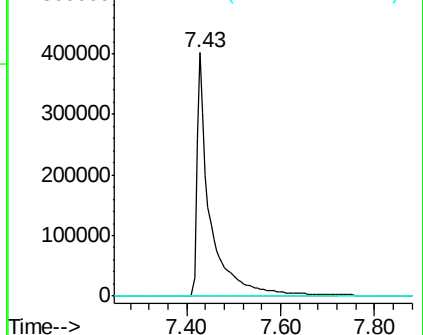


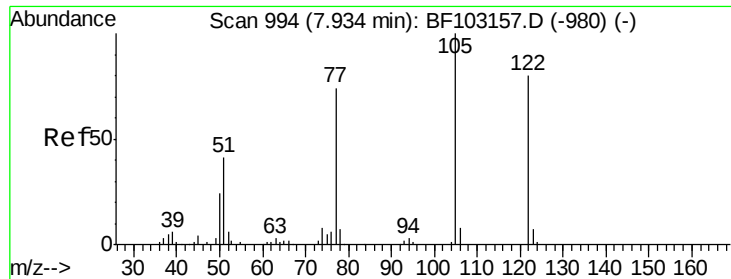
#25
Isophorone
Concen: 39.242 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.26 min
Lab File: BF103603.D
Acq: 13 Mar 2018 14:48

Tgt Ion	82	Resp	790536
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





#32

Benzoic acid

Concen: 7.074 ng

RT: 8.03 min Scan# 1011

Delta R.T. 0.06 min

Lab File: BF103603.D

Acq: 13 Mar 2018 14:48

Instrument :

BNA_F

ClientSampleId :

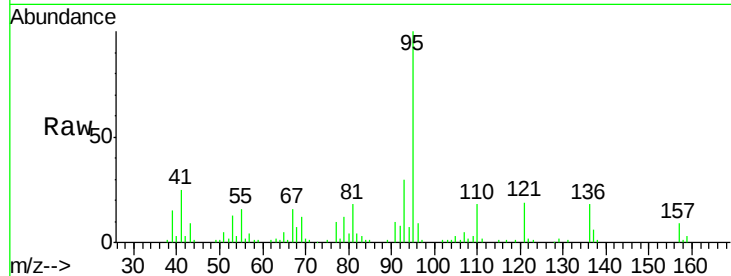
Tot Ion:122 Resp: 1124

Ion Ratio Lower Upper

122 100

105 127.0 101.1 141.1

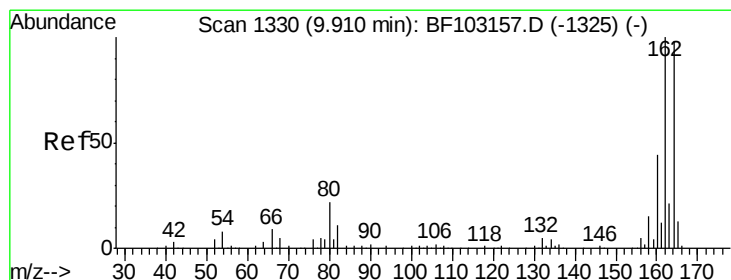
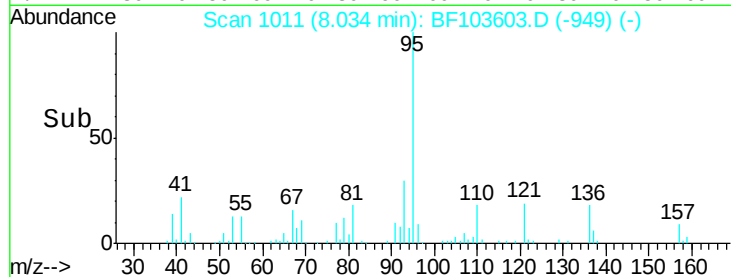
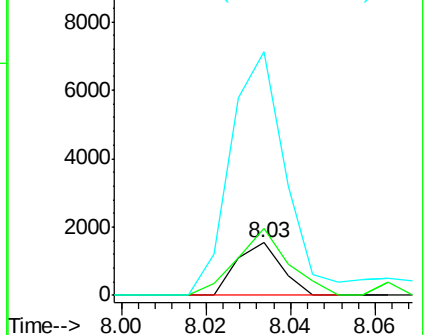
77 464.9 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF103603.D

Acq: 13 Mar 2018 14:48

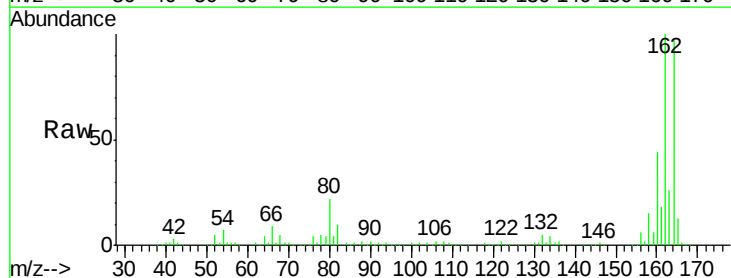
Tgt Ion:164 Resp: 262720

Ion Ratio Lower Upper

164 100

162 103.6 86.1 129.1

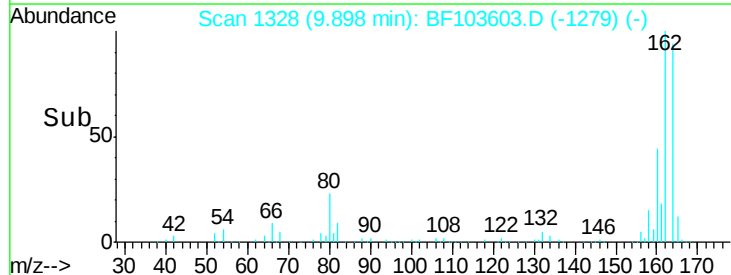
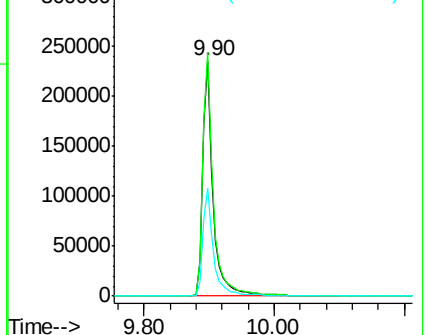
160 45.7 38.3 57.5

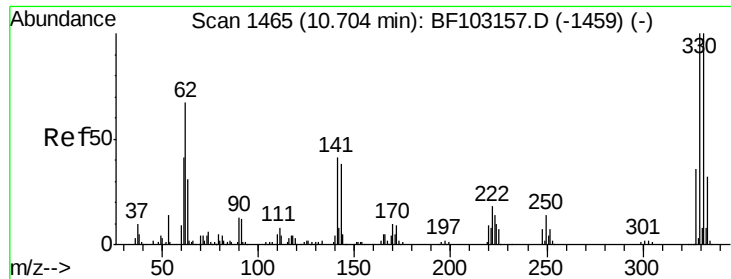


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

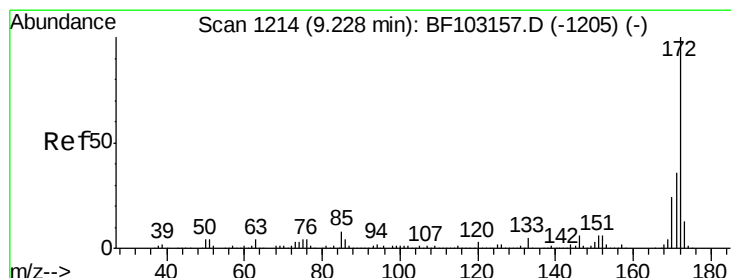
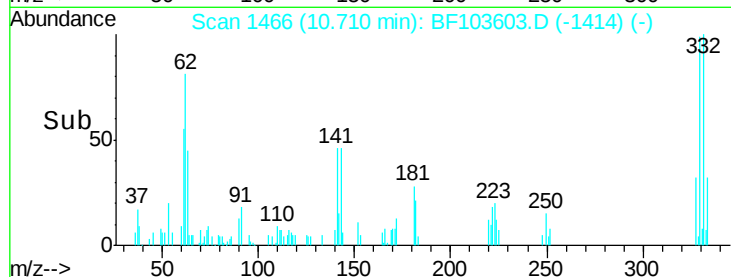
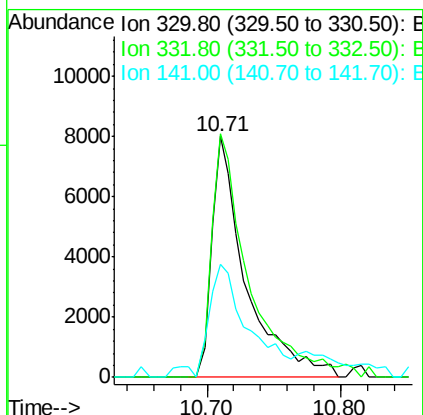
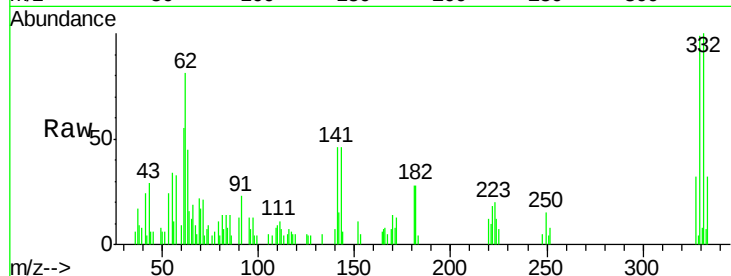




#41
 2,4,6-Tribromophenol
 Concen: 6.431 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.01 min
 Lab File: BF103603.D
 Acq: 13 Mar 2018 14:48

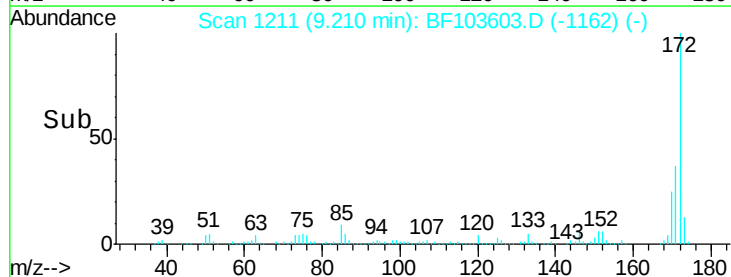
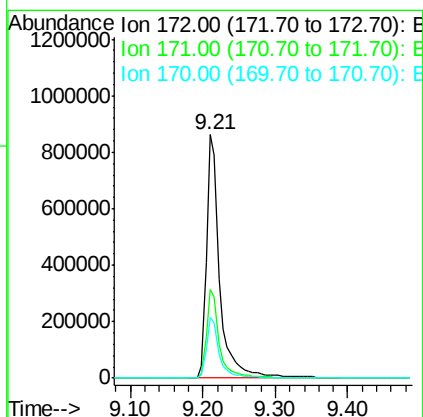
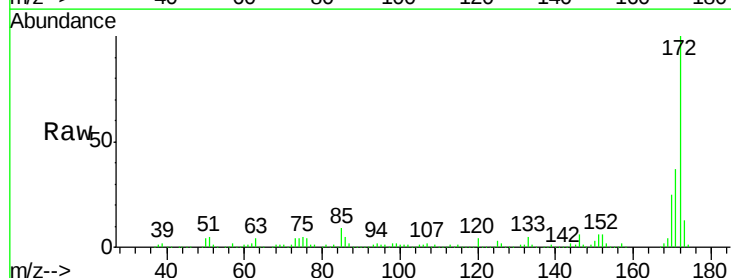
Instrument :
 BNA_F
 ClientSampled :

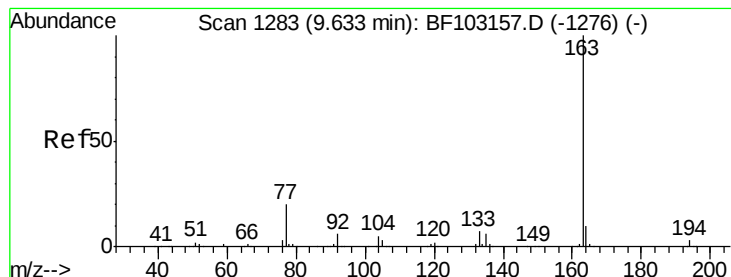
Tot Ion:330 Resp: 14301
 Ion Ratio Lower Upper
 330 100
 332 110.8 77.0 115.6
 141 55.9 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: 69.253 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF103603.D
 Acq: 13 Mar 2018 14:48

Tgt Ion:172 Resp: 1104394
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.7 44.5
 170 25.0 19.6 29.4





#49

Dimethylphthalate

Concen: 5.819 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF103603.D

Acq: 13 Mar 2018 14:48

Instrument :

BNA_F

ClientSampleId :

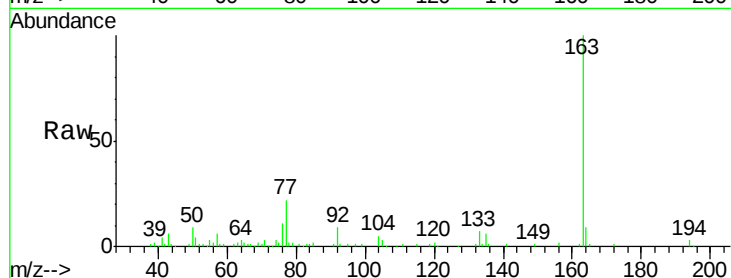
Tot Ion:163 Resp: 122634

Ion Ratio Lower Upper

163 100

194 2.7 2.7 4.1#

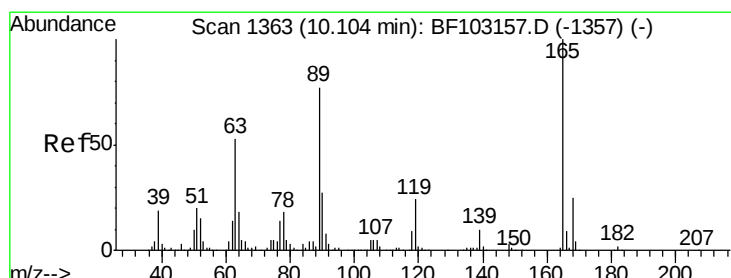
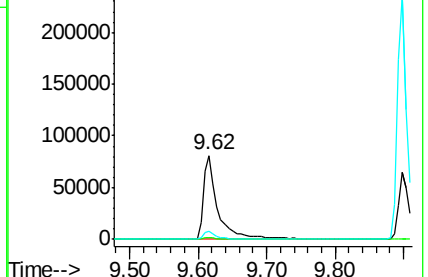
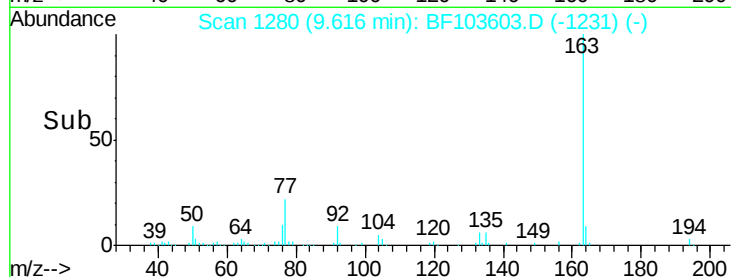
164 9.0 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 6.159 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.22 min

Lab File: BF103603.D

Acq: 13 Mar 2018 14:48

Tgt Ion:165 Resp: 34452

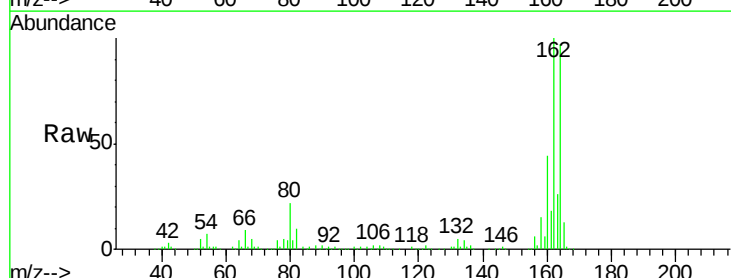
Ion Ratio Lower Upper

165 100

63 2.0 36.4 54.6#

89 1.9 57.8 86.6#

182 0.0 1.6 2.4#

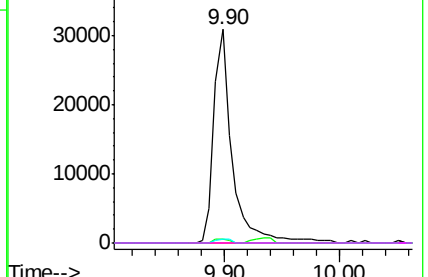
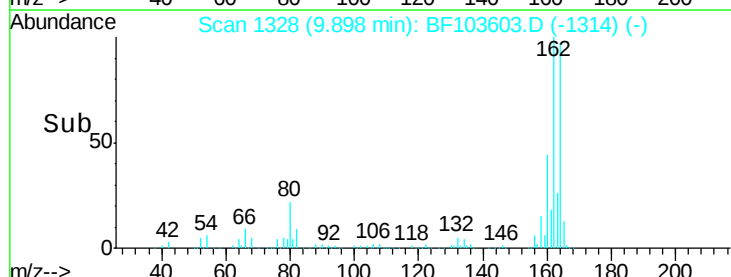


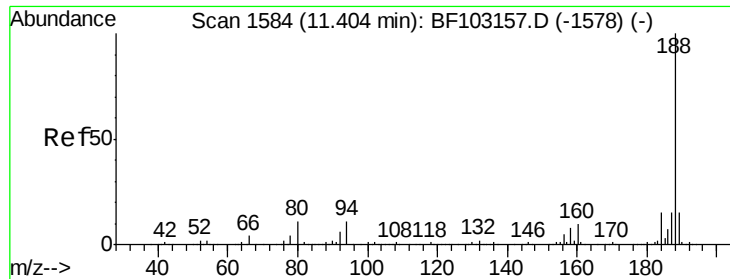
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF103603.D

Acq: 13 Mar 2018 14:48

Instrument :

BNA_F

ClientSampled :

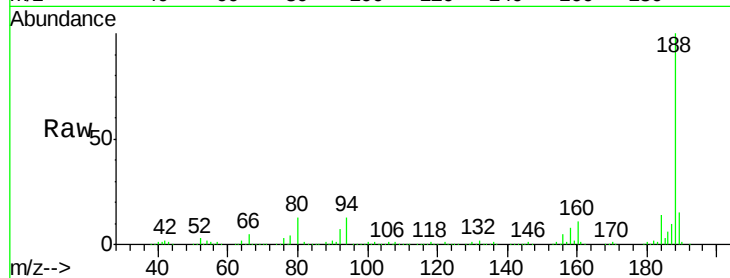
Tot Ion:188 Resp: 496272

Ion Ratio Lower Upper

188 100

94 12.6 8.5 12.7

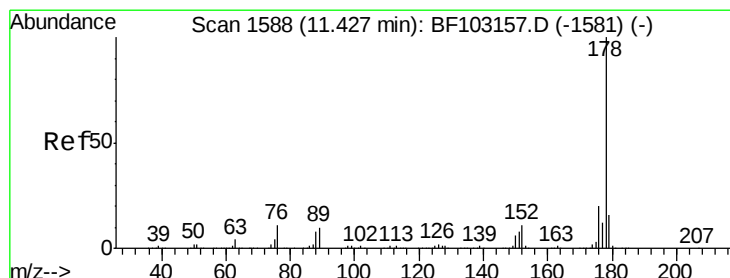
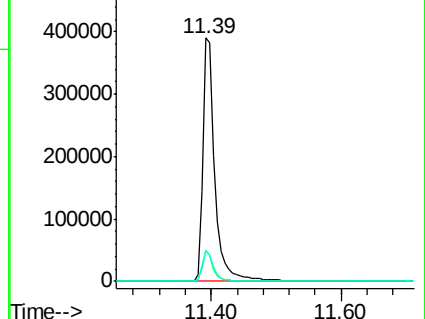
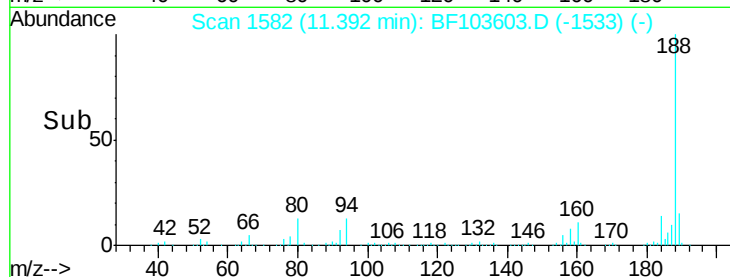
80 12.9 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#70

Phenanthrene

Concen: 5.660 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BF103603.D

Acq: 13 Mar 2018 14:48

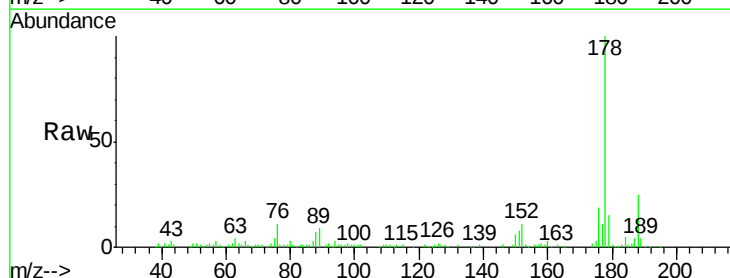
Tgt Ion:178 Resp: 154579

Ion Ratio Lower Upper

178 100

176 18.6 15.8 23.8

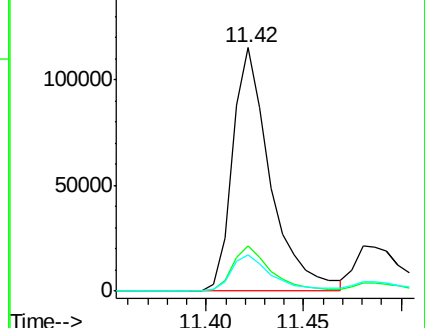
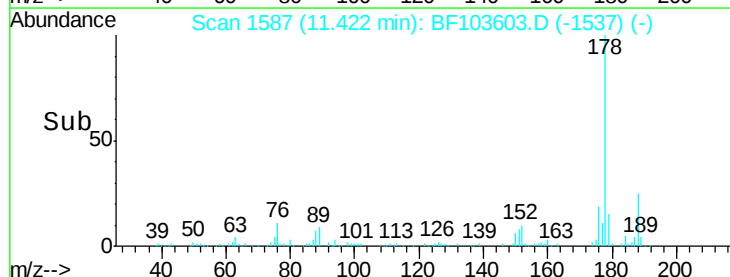
179 15.0 13.0 19.6

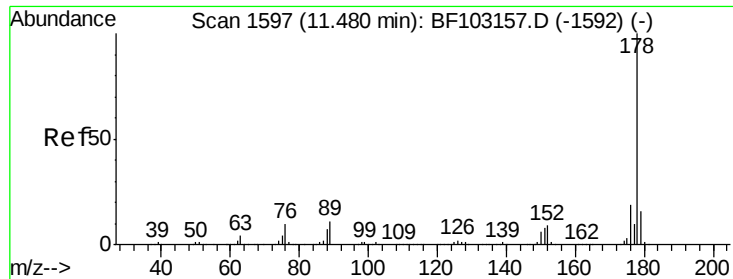


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

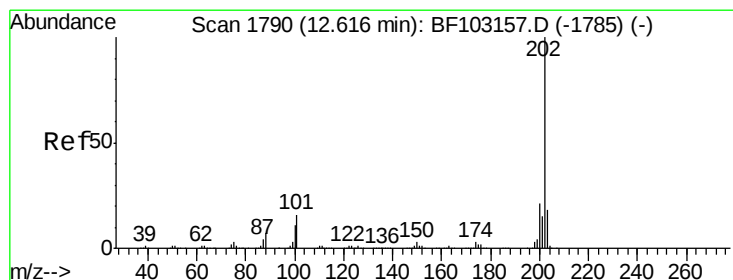
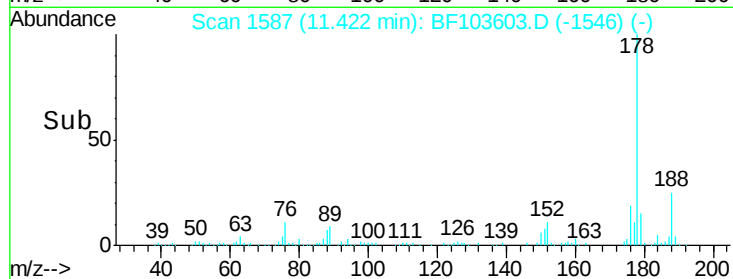
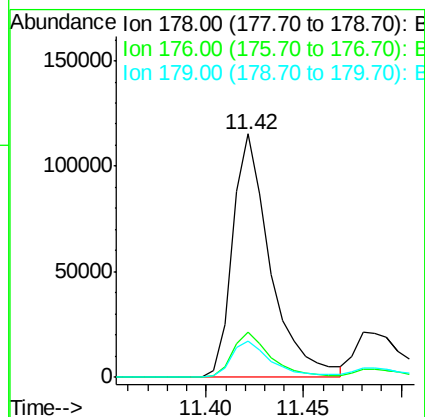
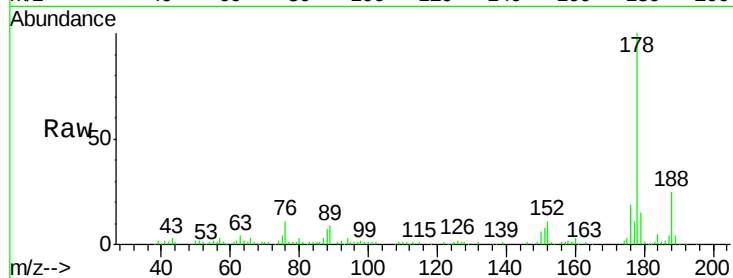




#71
 Anthracene
 Concen: 5.519 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.06 min
 Lab File: BF103603.D
 Acq: 13 Mar 2018 14:48

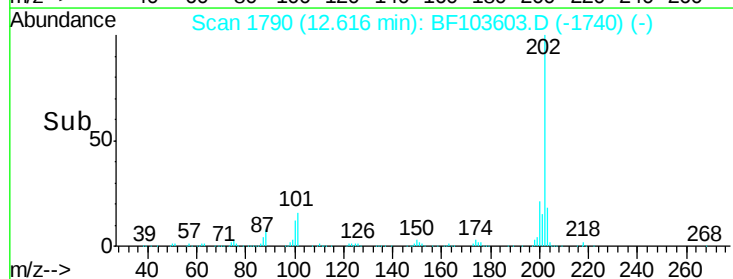
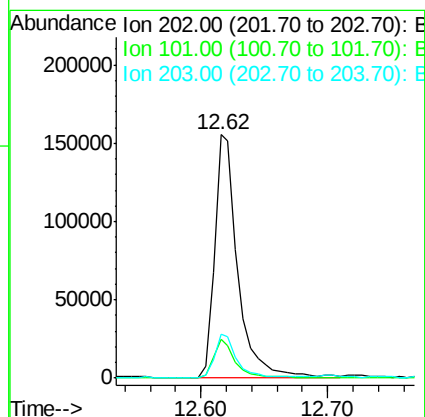
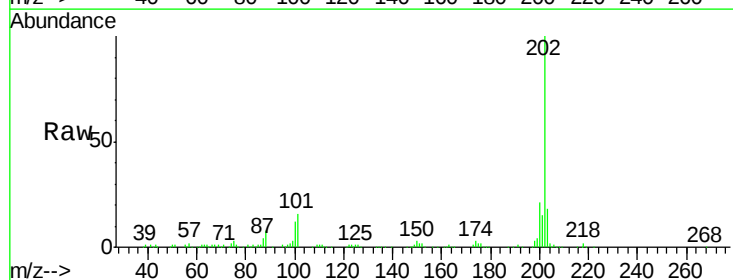
Instrument :
 BNA_F
 ClientSampleId :

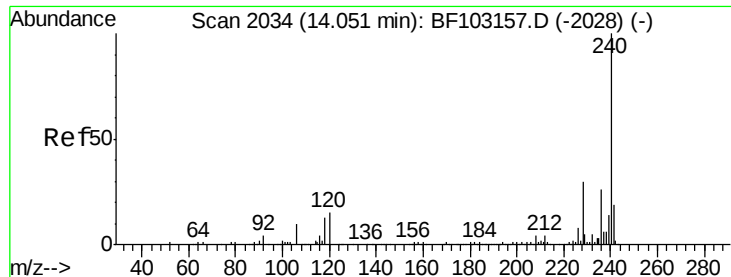
Tot Ion:178 Resp: 154579
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.4 23.2
 179 15.0 12.6 19.0



#74
 Fluoranthene
 Concen: 7.314 ng
 RT: 12.62 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: BF103603.D
 Acq: 13 Mar 2018 14:48

Tgt Ion:202 Resp: 200736
 Ion Ratio Lower Upper
 202 100
 101 15.9 0.0 34.1
 203 18.0 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF103603.D

Acq: 13 Mar 2018 14:48

Instrument :

BNA_F

ClientSampleId :

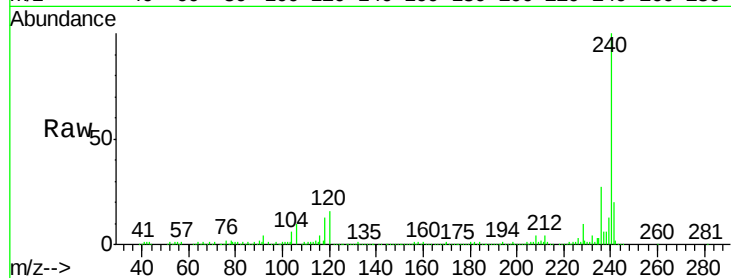
Tot Ion:240 Resp: 367066

Ion Ratio Lower Upper

240 100

120 16.0 9.5 14.3#

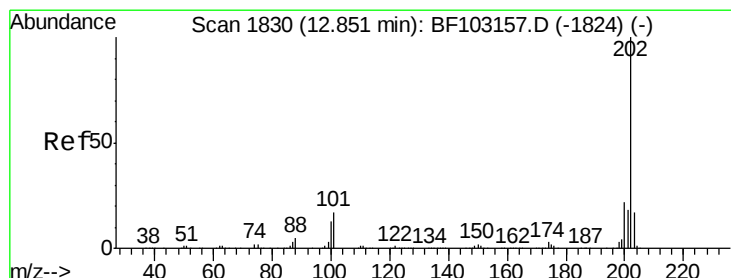
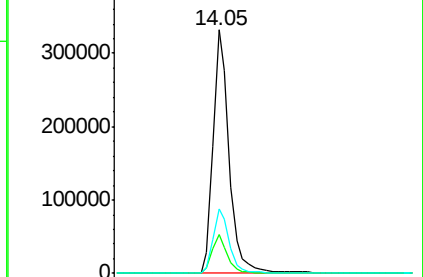
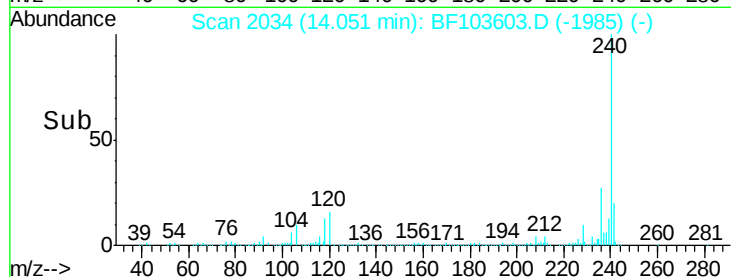
236 26.6 20.7 31.1



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: 6.675 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF103603.D

Acq: 13 Mar 2018 14:48

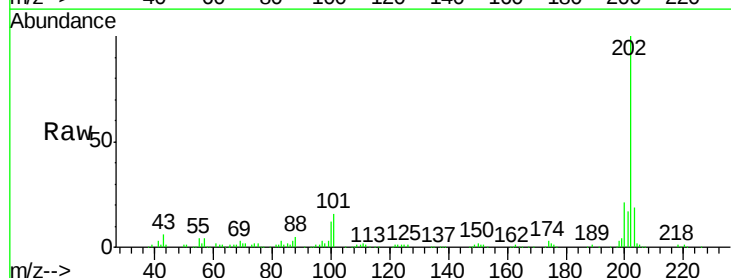
Tgt Ion:202 Resp: 191038

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

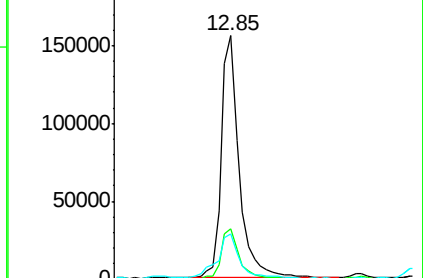
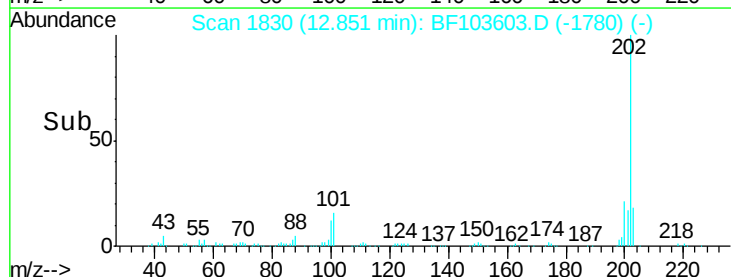
203 18.5 14.3 21.5

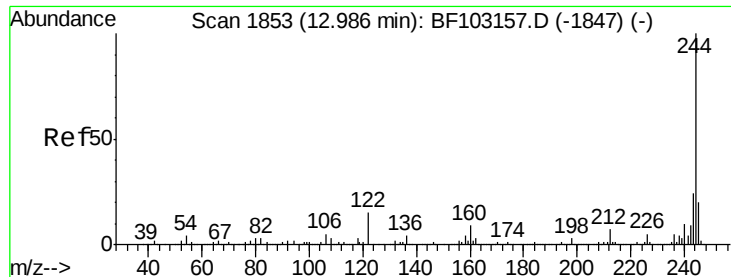


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 61.678 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF103603.D

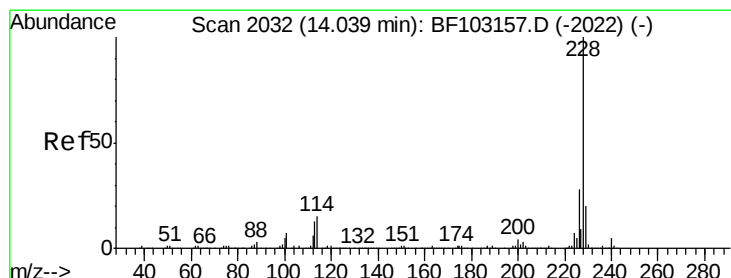
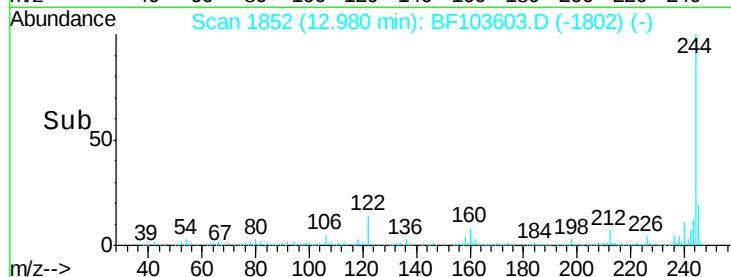
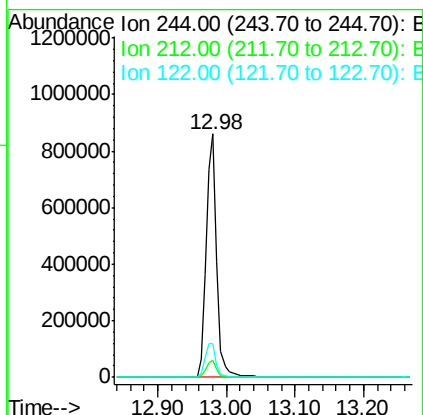
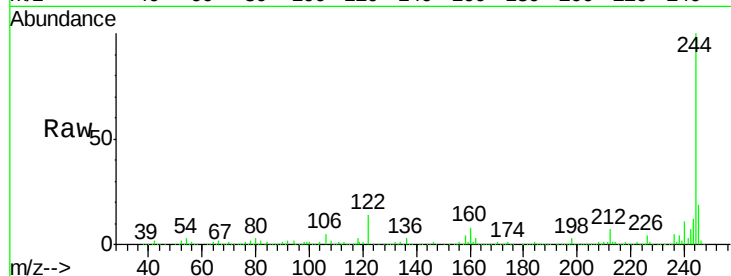
Acq: 13 Mar 2018 14:48

Instrument :

BNA_F

ClientSampled :

Tot Ion:244	Resp:	941817
Ion Ratio	Lower	Upper
244	100	
212	6.8	5.4 8.0
122	13.9	11.0 16.4



#80

Benzo(a)anthracene

Concen: 3.371 ng

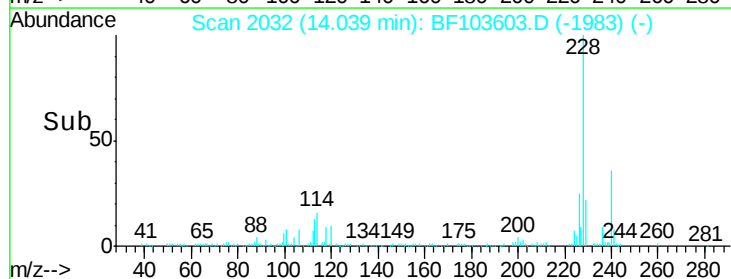
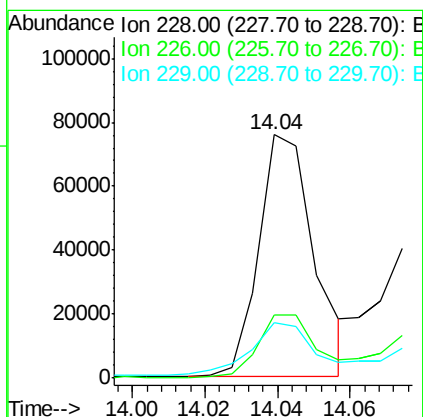
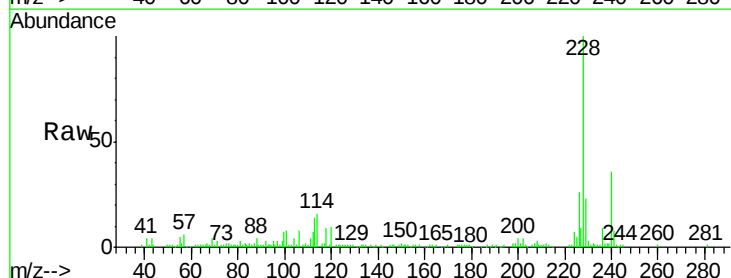
RT: 14.04 min Scan# 2032

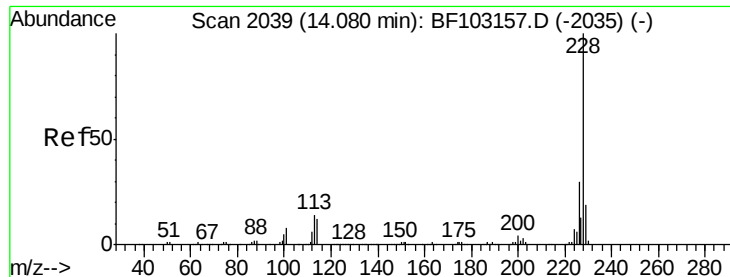
Delta R.T. -0.01 min

Lab File: BF103603.D

Acq: 13 Mar 2018 14:48

Tgt Ion:228	Resp:	80282
Ion Ratio	Lower	Upper
228	100	
226	25.7	22.6 33.8
229	22.9	15.8 23.6





#82

Chrysene

Concen: 3.368 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF103603.D

Acq: 13 Mar 2018 14:48

Instrument :

BNA_F

ClientSampleId :

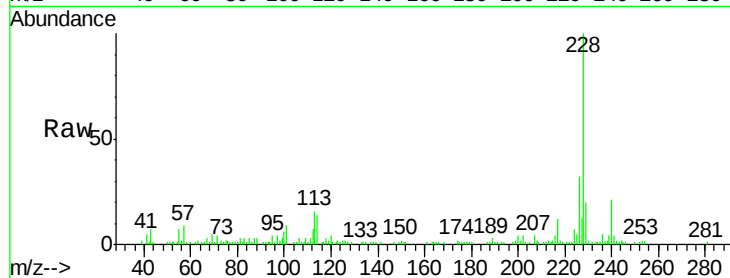
Tot Ion:228 Resp: 77892

Ion Ratio Lower Upper

228 100

226 32.2 25.0 37.6

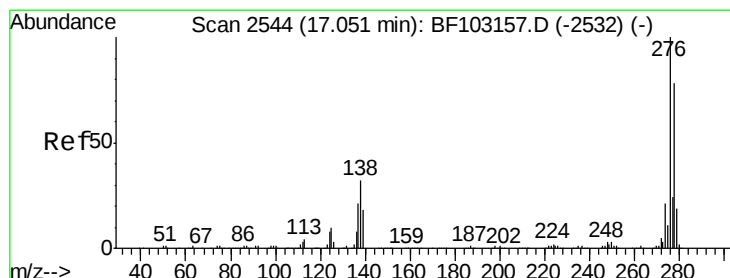
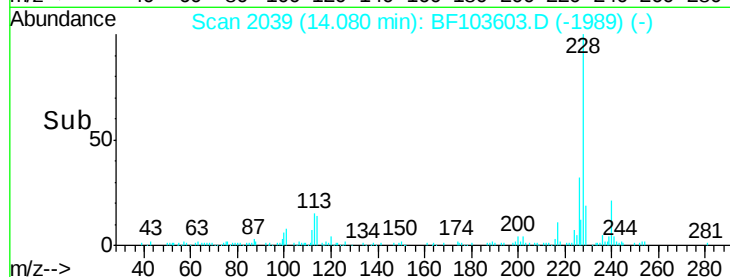
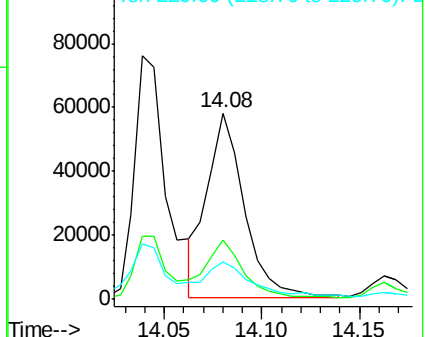
229 20.4 16.2 24.4



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: 2.169 ng

RT: 17.13 min Scan# 2557

Delta R.T. 0.01 min

Lab File: BF103603.D

Acq: 13 Mar 2018 14:48

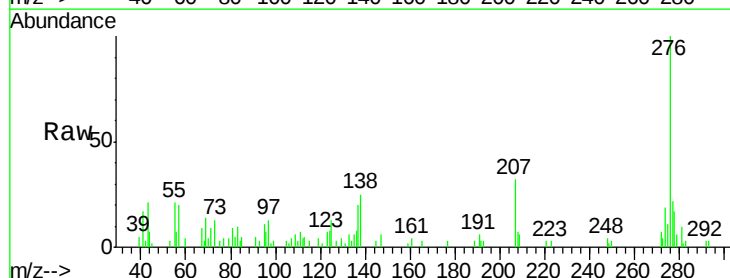
Tgt Ion:276 Resp: 39707

Ion Ratio Lower Upper

276 100

138 26.8 25.0 37.6

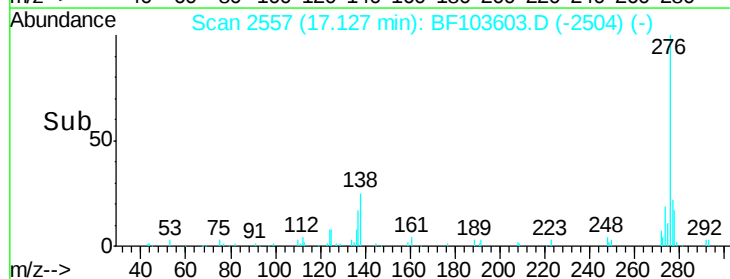
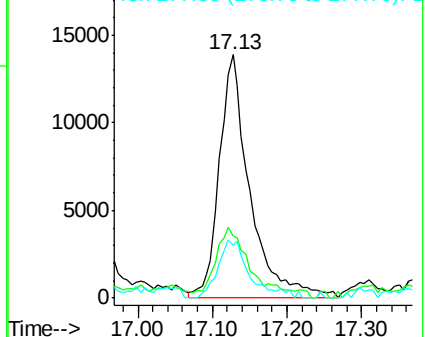
277 23.3 20.1 30.1

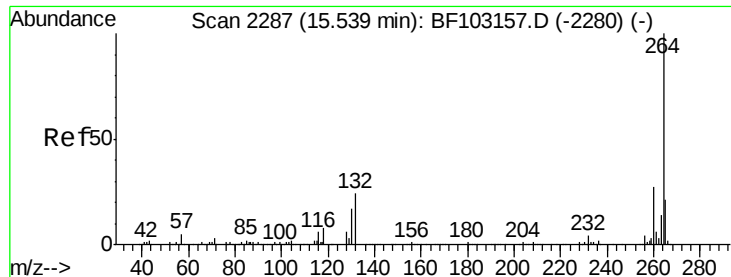


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

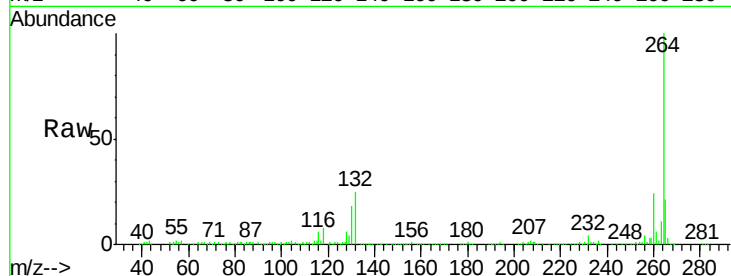




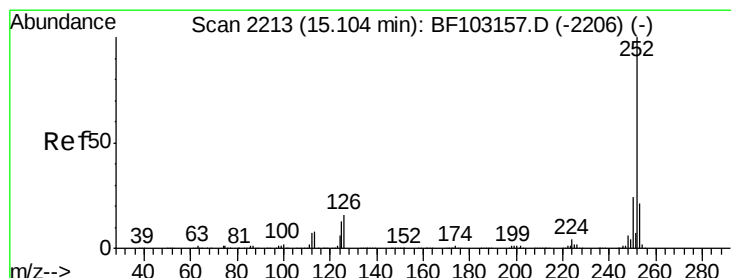
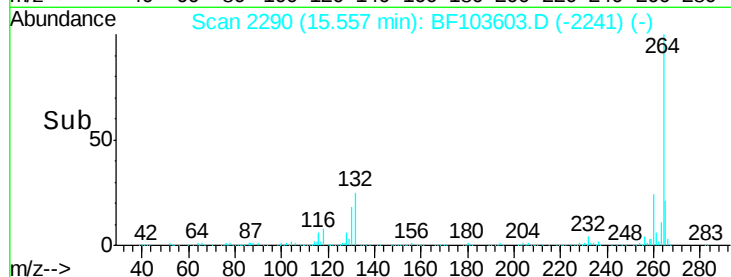
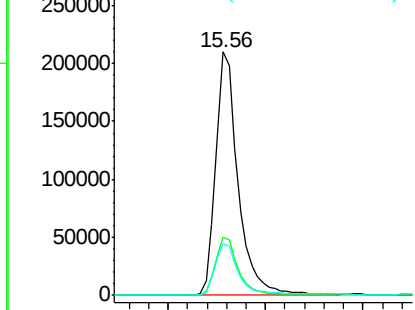
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.01 min
Lab File: BF103603.D
Acq: 13 Mar 2018 14:48

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 337253
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 21.2 17.5 26.3

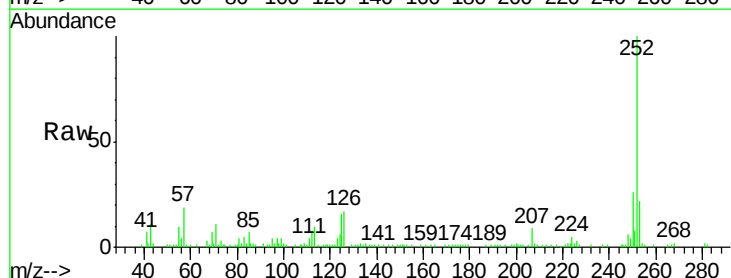


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

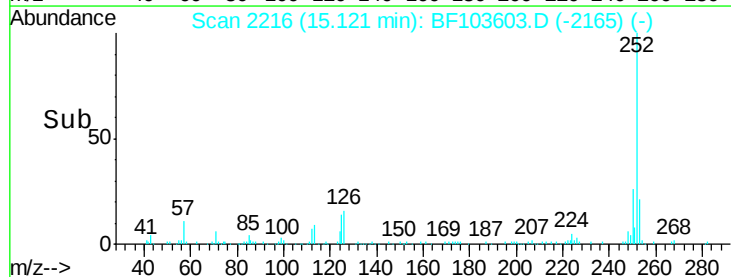
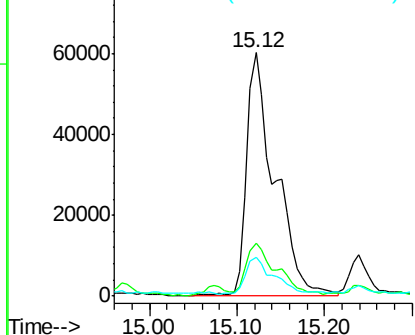


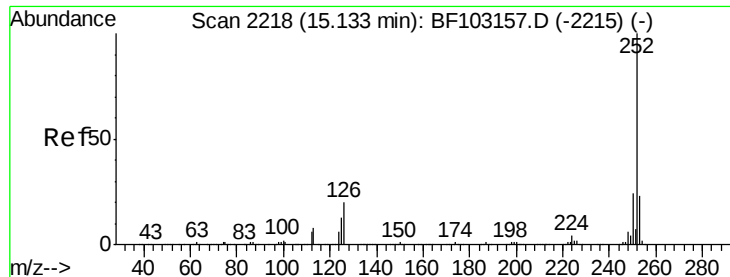
#87
Benzo(b)fluoranthene
Concen: 5.930 ng
RT: 15.12 min Scan# 2216
Delta R.T. 0.00 min
Lab File: BF103603.D
Acq: 13 Mar 2018 14:48

Tgt Ion:252 Resp: 131489
Ion Ratio Lower Upper
252 100
253 21.8 17.0 25.6
125 15.7 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

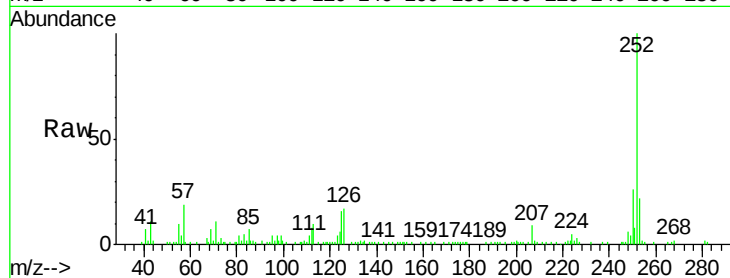




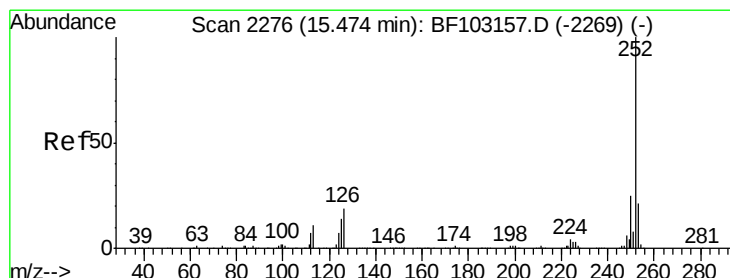
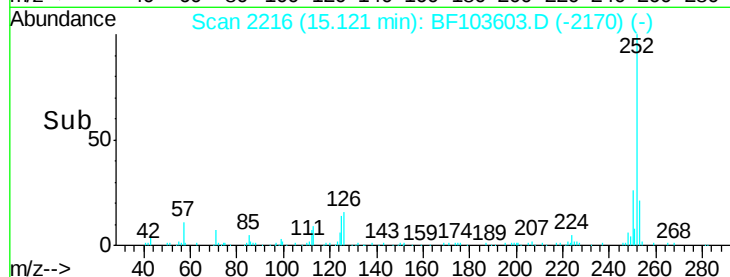
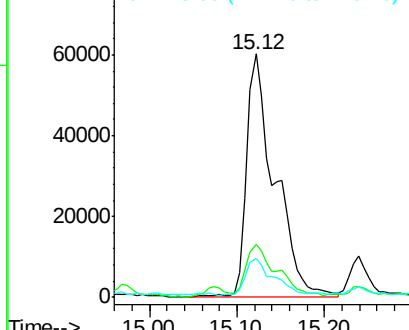
#88
Benzo(k)fluoranthene
Concen: 6.297 ng
RT: 15.12 min Scan# 2216
Delta R.T. -0.03 min
Lab File: BF103603.D
Acq: 13 Mar 2018 14:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.9	26.9
125	15.7	10.2	15.2#

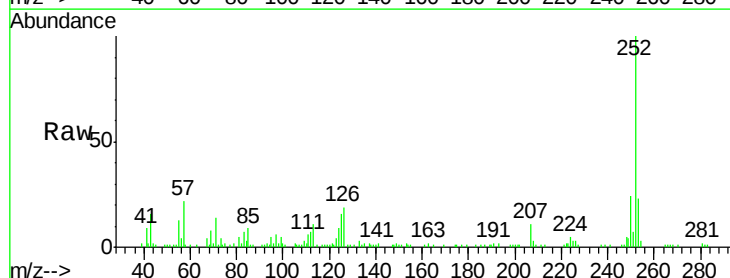


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

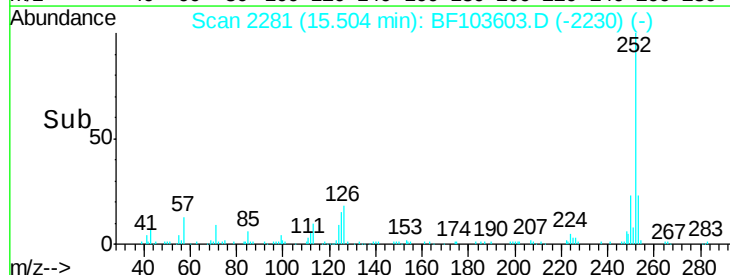
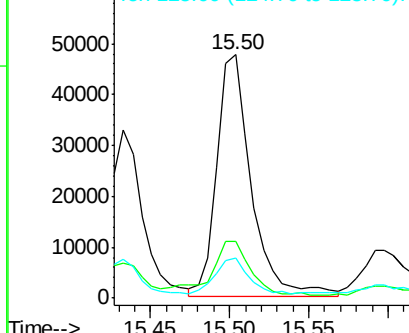


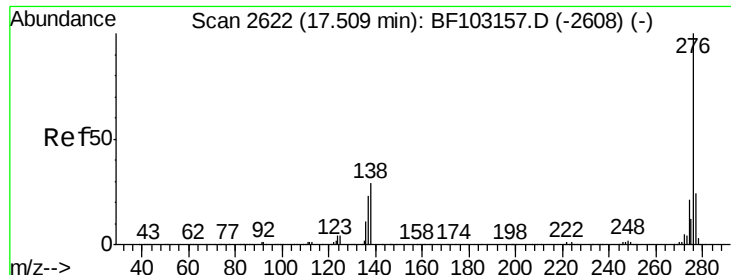
#89
Benzo(a)pyrene
Concen: 3.611 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.00 min
Lab File: BF103603.D
Acq: 13 Mar 2018 14:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	16.2	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(a,h,i)perylene

Concen: 2.381 ng

RT: 17.60 min Scan# 2637

Delta R.T. 0.01 min

Lab File: BF103603.D

Acq: 13 Mar 2018 14:48

Instrument :

BNA_F

ClientSampleId :

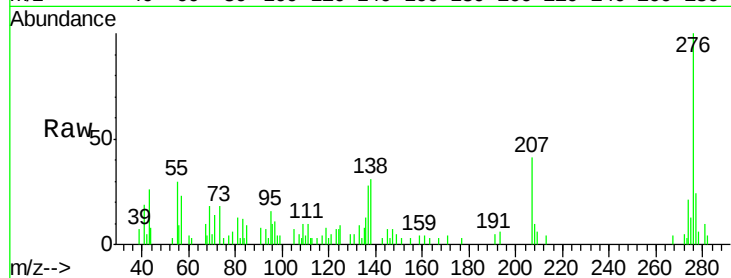
Tot Ion: 276 Resp: 35613

Ion Ratio Lower Upper

276 100

277 23.9 17.9 26.9

138 30.5 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

