

Data Path : U:\HPCHEM1\BNA F\DATA\BF012818\
 Data File : BF102562.D
 Acq On : 28 Jan 2018 17:27
 Operator : SJ/JU
 Sample : J1290-15
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 29 03:16:18 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	150138	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	649026	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	296953	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	512493	20.00	ng	0.00
75) Chrysene-d12	13.87	240	327252	20.00	ng	-0.01
86) Perylene-d12	15.30	264	307086	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	1020058	103.02	ng	0.00
7) Phenol-d6	6.36	99	1249799	104.69	ng	0.00
23) Nitrobenzene-d5	7.28	82	783080	69.34	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	256281	87.10	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1312823	65.00	ng	0.00
78) Terphenyl-d14	12.82	244	1059556	72.99	ng	0.00

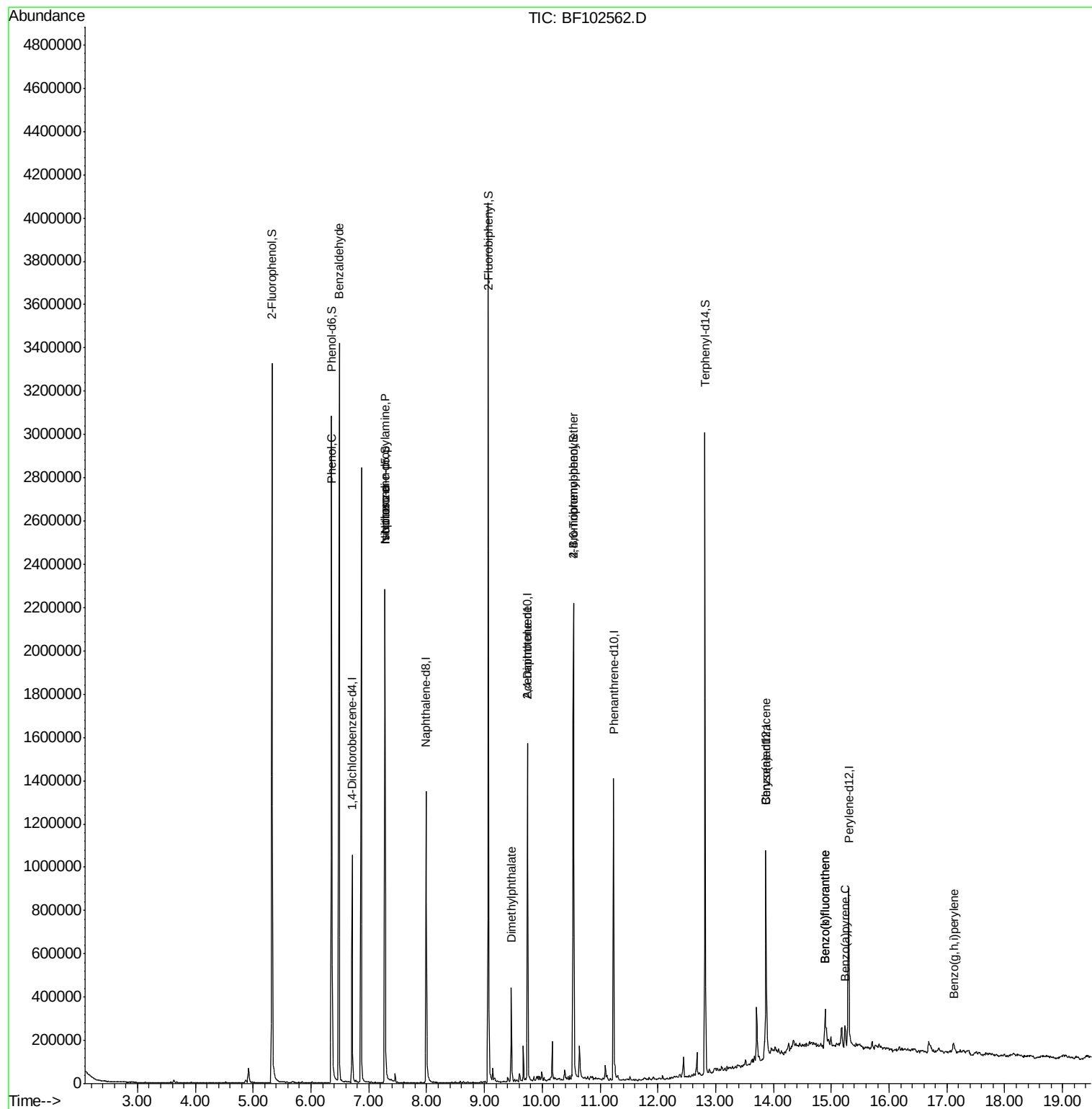
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.49	77	21193	2.571	ng	83
10) Phenol	6.37	94	52664	4.041	ng	96
19) n-Nitroso-di-n-propylamine	7.28	70	101289	13.865	ng	# 79
25) Isophorone	7.28	82	783076	38.893	ng	# 64
49) Dimethylphthalate	9.46	163	172909	7.045	ng	99
56) 2,4-Dinitrotoluene	9.75	165	38804	5.963	ng	# 23
66) 4-Bromophenyl-phenylether	10.54	248	17551	3.181	ng	# 1
80) Benzo(a)anthracene	13.86	228	42370	2.103	ng	94
87) Benzo(b)fluoranthene	14.89	252	112653	5.660	ng	# 93
88) Benzo(k)fluoranthene	14.89	252	112653	5.991	ng	# 96
89) Benzo(a)pyrene	15.24	252	44229	2.464	ng	97
91) Benzo(a,h,i)perylene	17.12	276	28995	2.019	ng	94

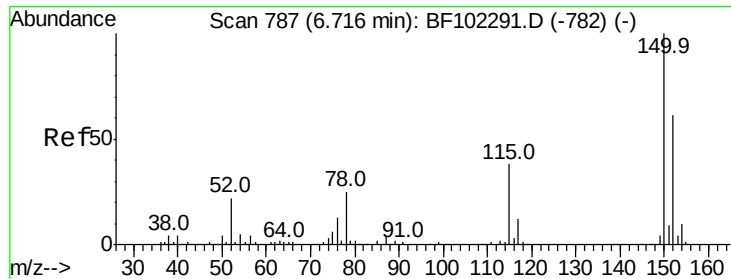
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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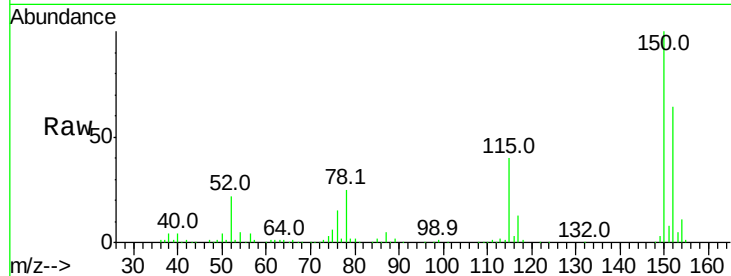


#1

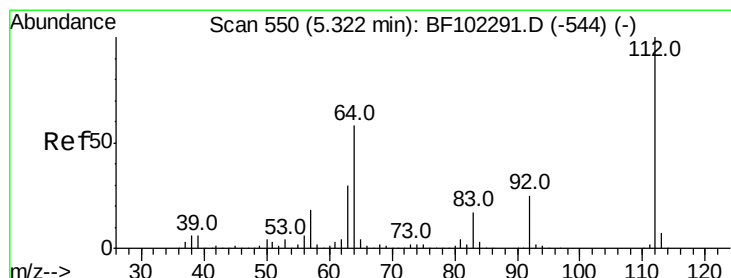
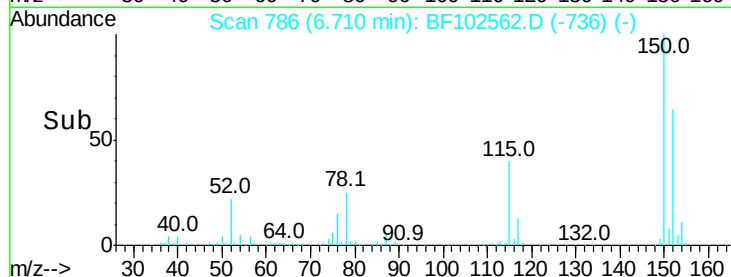
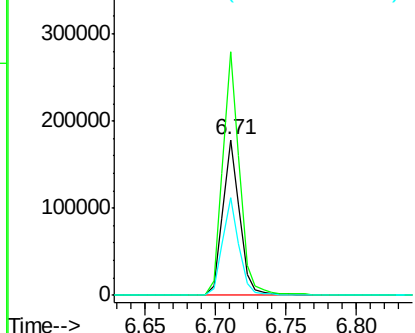
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF102562.D
Acq: 28 Jan 2018 17:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 150138
Ion Ratio Lower Upper
152 100
150 156.4 124.6 186.8
115 63.0 50.1 75.1



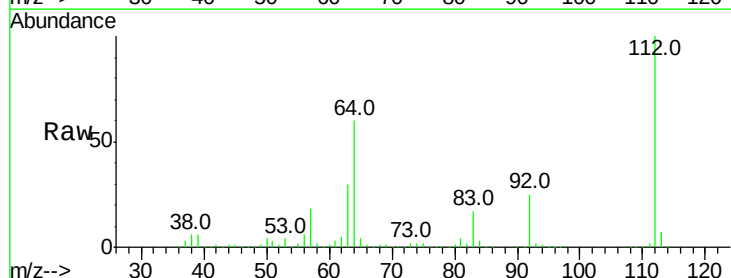
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



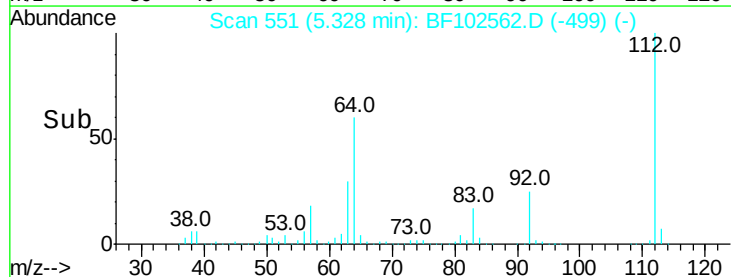
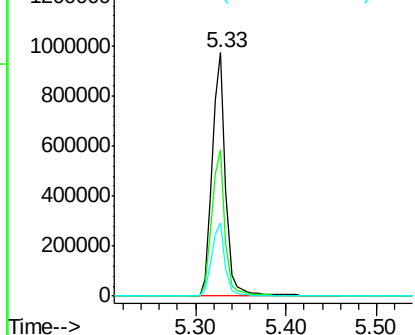
#5

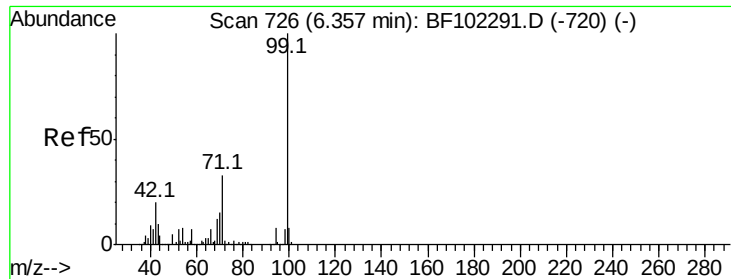
2-Fluorophenol
Concen: 103.017 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102562.D
Acq: 28 Jan 2018 17:27

Tgt Ion:112 Resp: 1020058
Ion Ratio Lower Upper
112 100
64 60.3 47.9 71.9
63 30.2 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: 104.694 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF102562.D

Acq: 28 Jan 2018 17:27

Instrument :

BNA_F

ClientSampled :

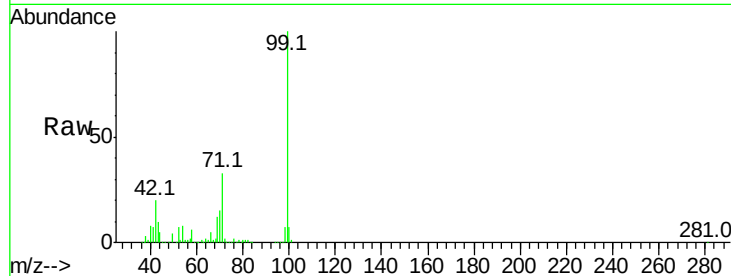
Tot Ion: 99 Resp: 1249799

Ion Ratio Lower Upper

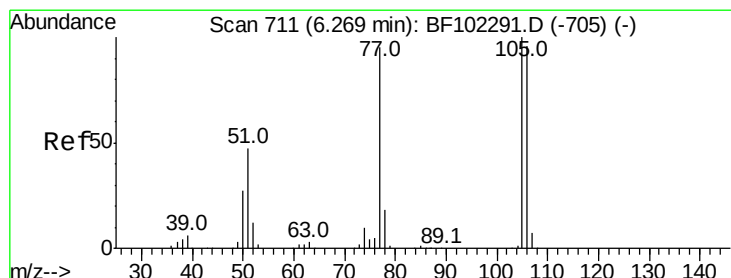
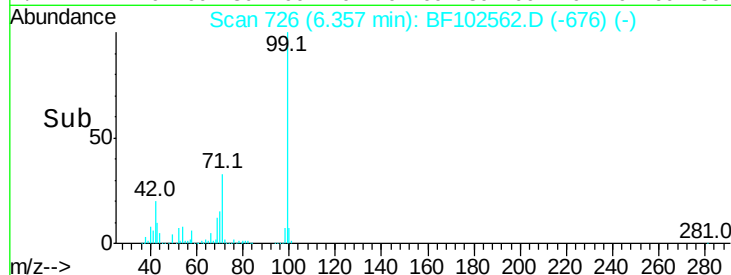
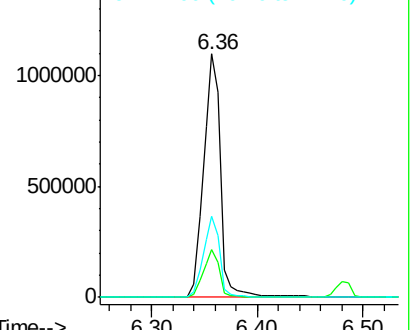
99 100

42 19.7 14.5 21.7

71 33.3 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



#9

Benzaldehyde

Concen: 2.571 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.22 min

Lab File: BF102562.D

Acq: 28 Jan 2018 17:27

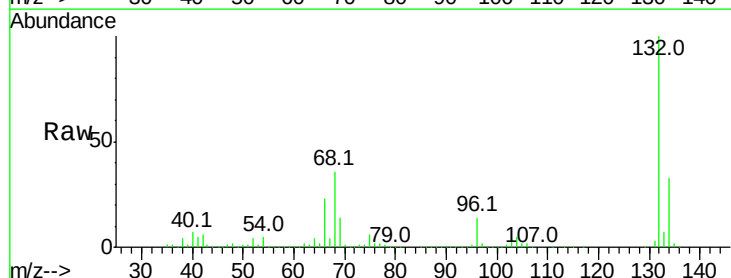
Tgt Ion: 77 Resp: 21193

Ion Ratio Lower Upper

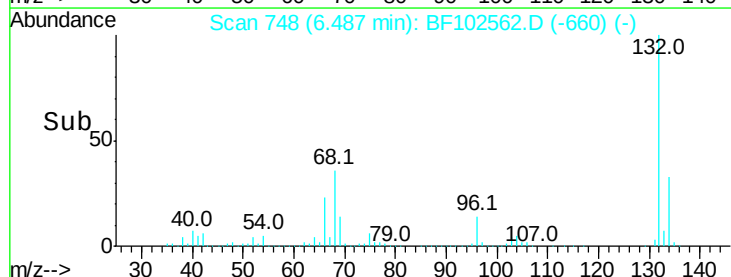
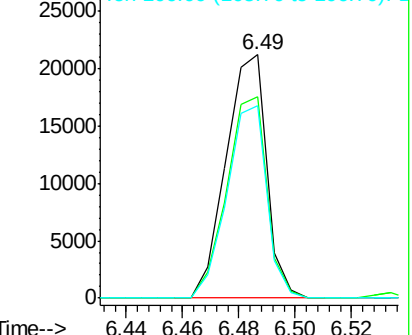
77 100

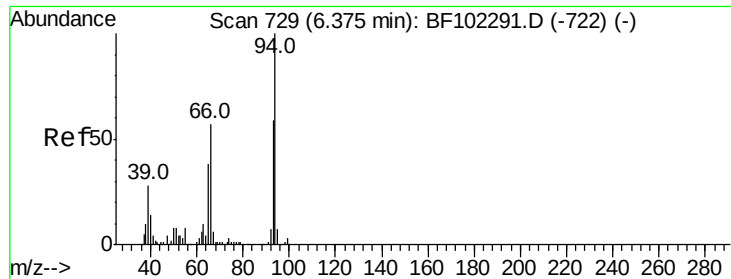
105 82.7 81.1 121.1

106 78.8 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1

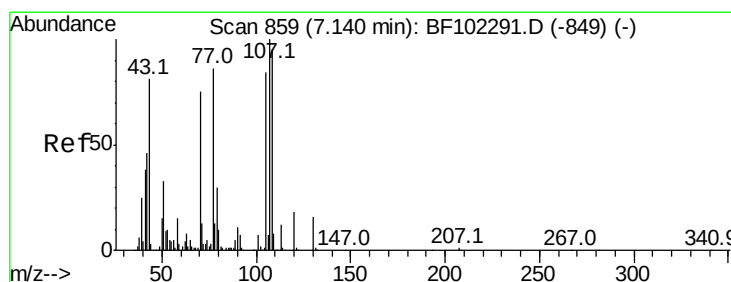
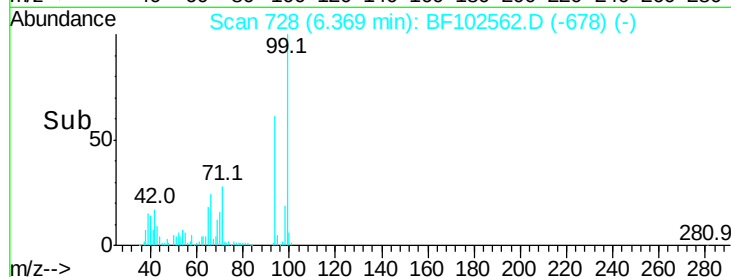
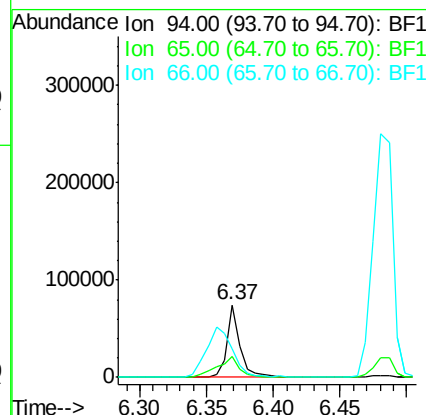
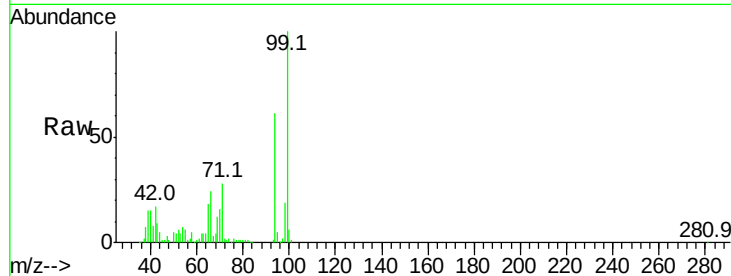




#10
Phenol
Concen: 4.041 ng
RT: 6.37 min Scan# 728
Delta R.T. -0.01 min
Lab File: BF102562.D
Acq: 28 Jan 2018 17:27

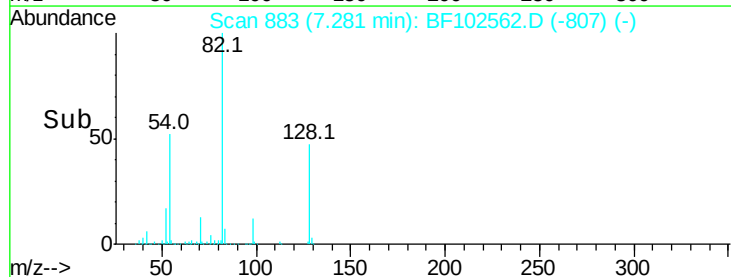
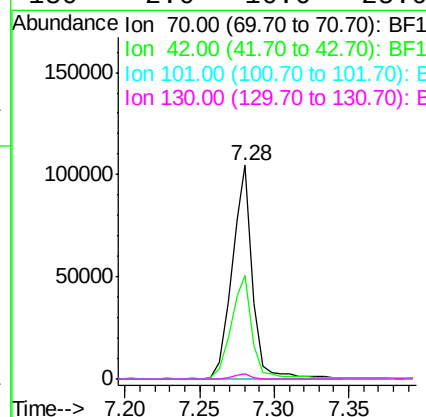
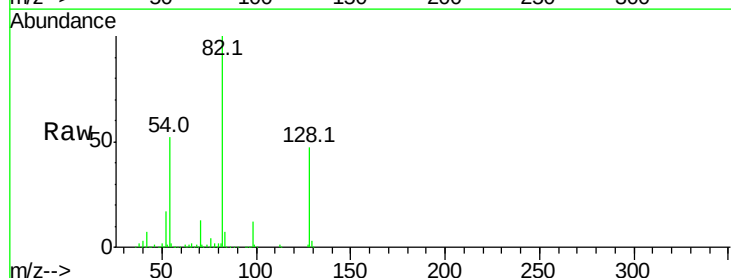
Instrument :
BNA_F
ClientSampleId :

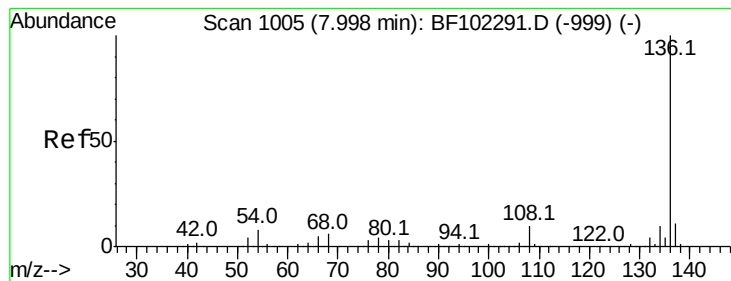
Tot Ion: 94 Resp: 52664
Ion Ratio Lower Upper
94 100
65 29.1 7.9 47.9
66 39.7 16.2 56.2



#19
n-Nitroso-di-n-propylamine
Concen: 13.865 ng
RT: 7.28 min Scan# 883
Delta R.T. 0.15 min
Lab File: BF102562.D
Acq: 28 Jan 2018 17:27

Tgt Ion: 70 Resp: 101289
Ion Ratio Lower Upper
70 100
42 48.7 47.5 71.3
101 0.0 7.4 11.2#
130 2.6 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF102562.D

Acq: 28 Jan 2018 17:27

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 649026

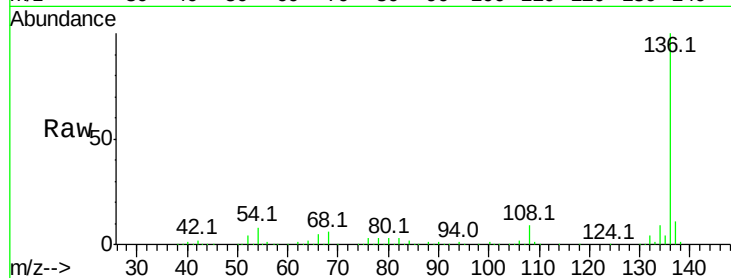
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 8.1 6.6 9.8

68 5.7 5.0 7.4

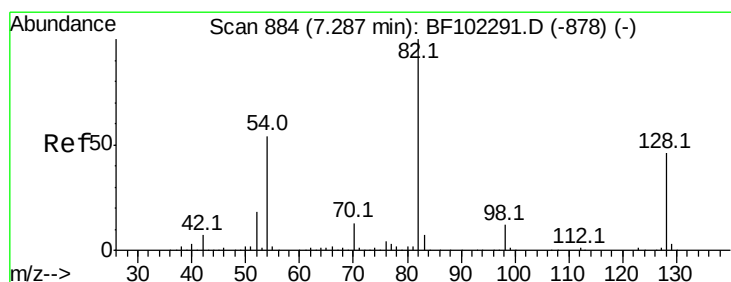
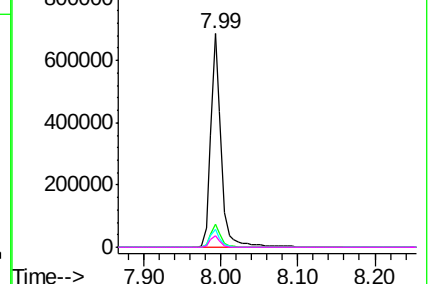
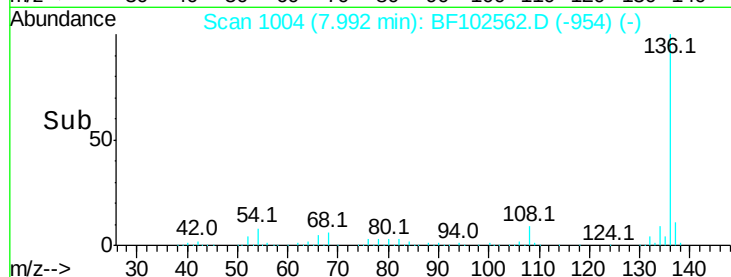


Abundance Ion 136.00 (135.70 to 136.70): E

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: 69.336 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF102562.D

Acq: 28 Jan 2018 17:27

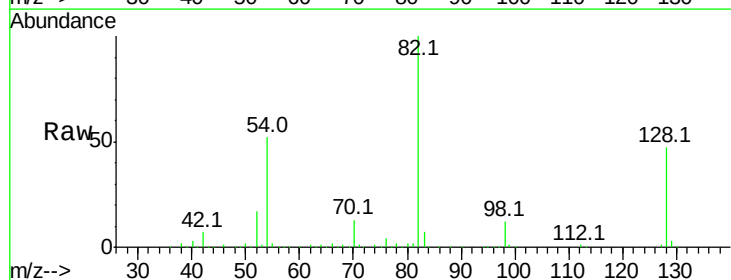
Tgt Ion: 82 Resp: 783080

Ion Ratio Lower Upper

82 100

128 47.0 36.1 54.1

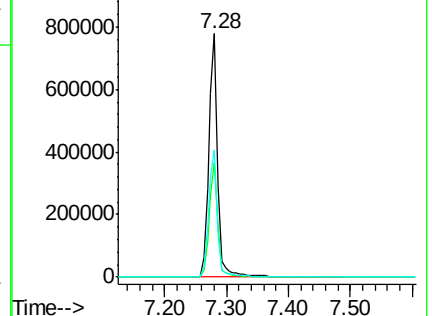
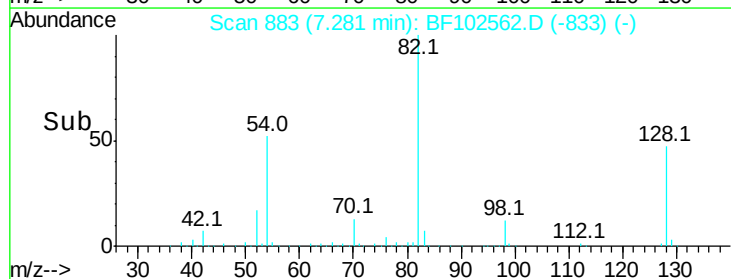
54 52.3 41.4 62.2

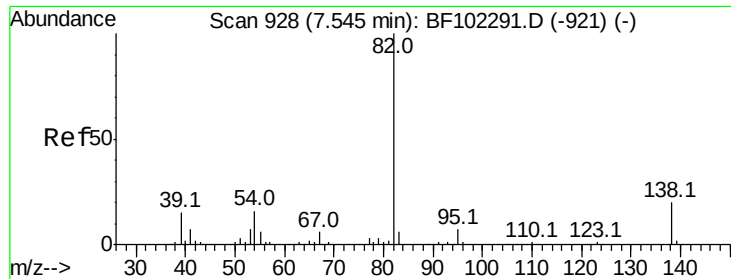


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 38.893 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF102562.D

Acq: 28 Jan 2018 17:27

Instrument :

BNA_F

ClientSampled :

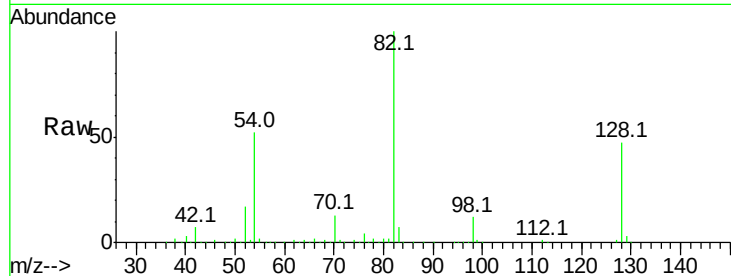
Tot Ion: 82 Resp: 783076

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

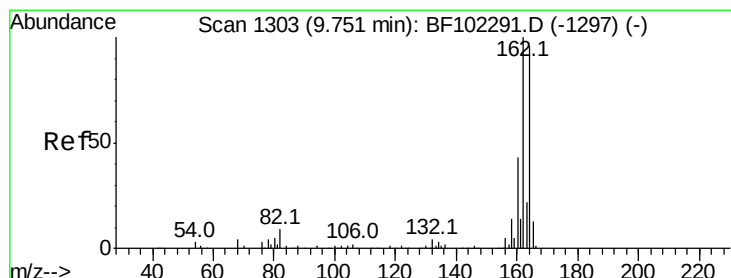
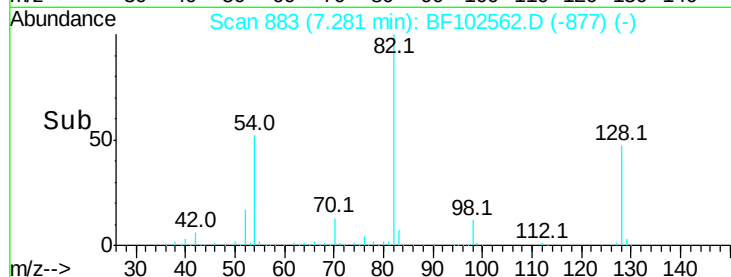
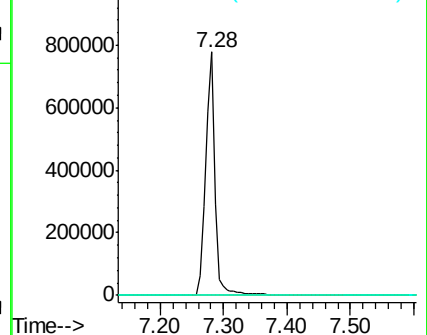
138 0.0 14.9 22.3#



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: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF102562.D

Acq: 28 Jan 2018 17:27

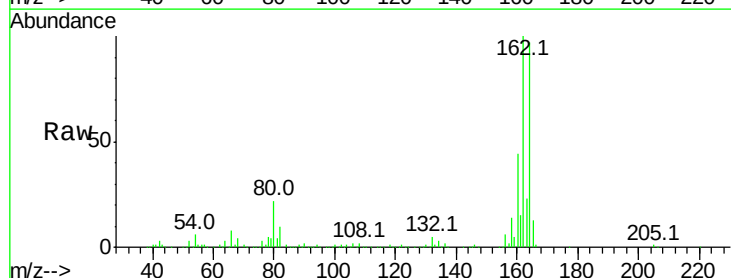
Tgt Ion:164 Resp: 296953

Ion Ratio Lower Upper

164 100

162 103.1 86.1 129.1

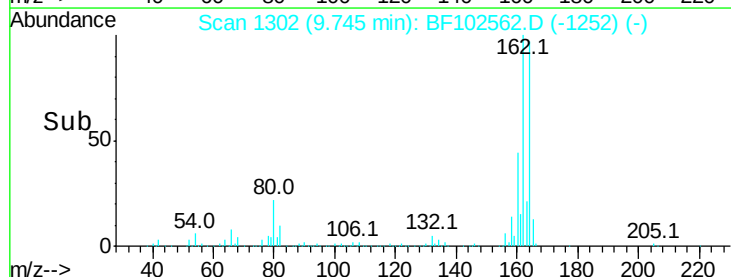
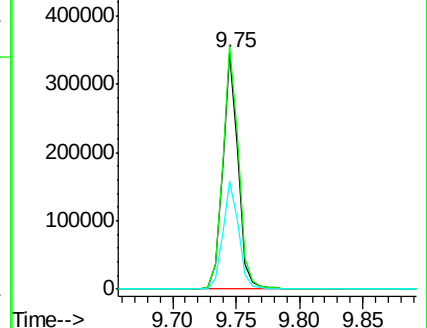
160 45.5 38.3 57.5

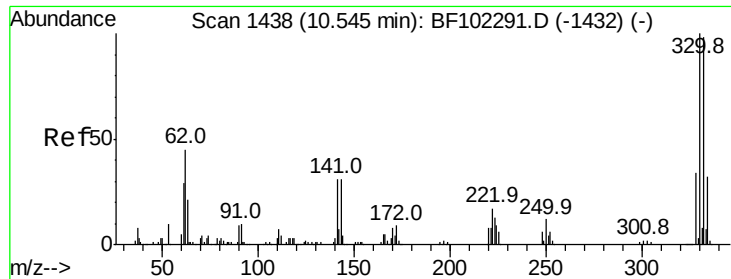


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 87.100 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF102562.D

Acq: 28 Jan 2018 17:27

Instrument :

BNA_F

ClientSampleId :

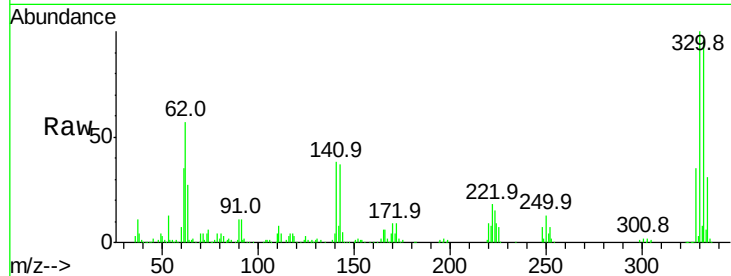
Tot Ion:330 Resp: 256281

Ion Ratio Lower Upper

330 100

332 95.9 77.0 115.6

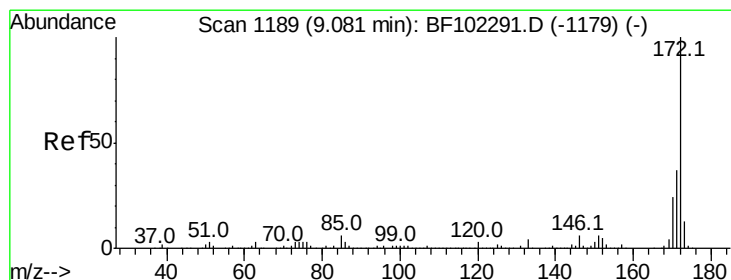
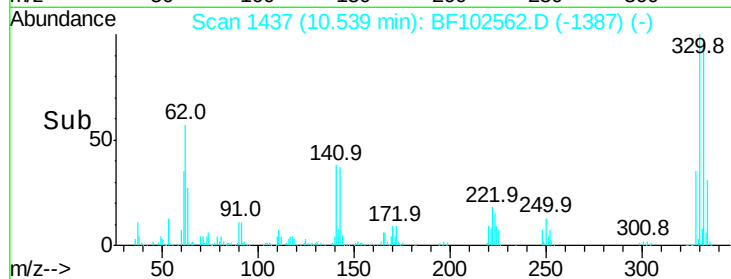
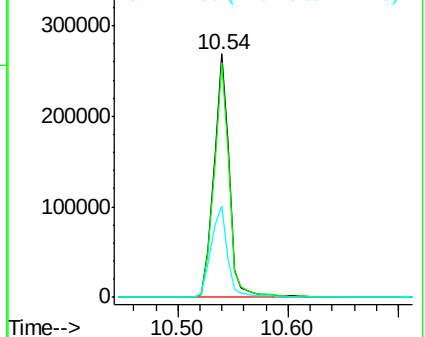
141 40.0 29.9 44.9



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: 65.004 ng

RT: 9.07 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BF102562.D

Acq: 28 Jan 2018 17:27

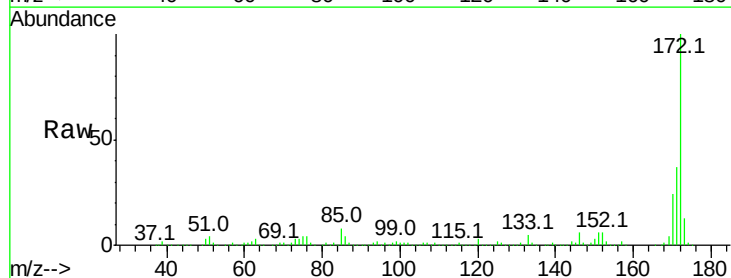
Tgt Ion:172 Resp: 1312823

Ion Ratio Lower Upper

172 100

171 36.6 29.7 44.5

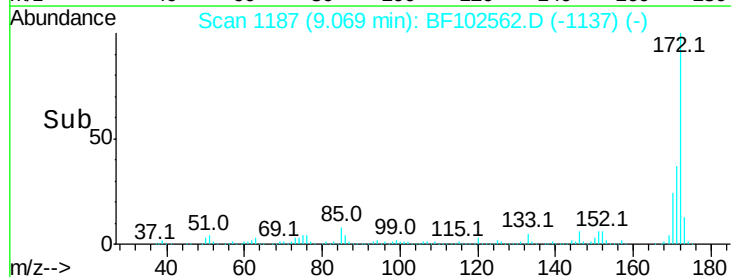
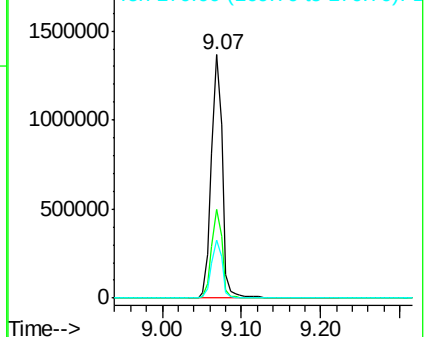
170 24.0 19.6 29.4

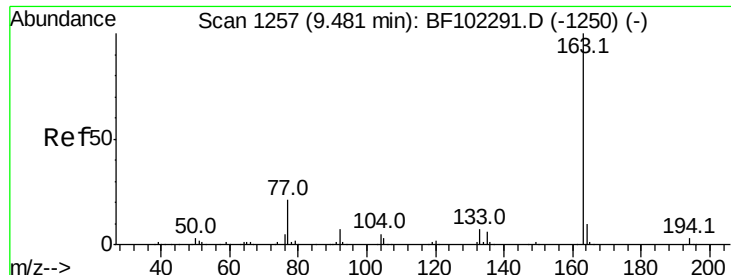


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

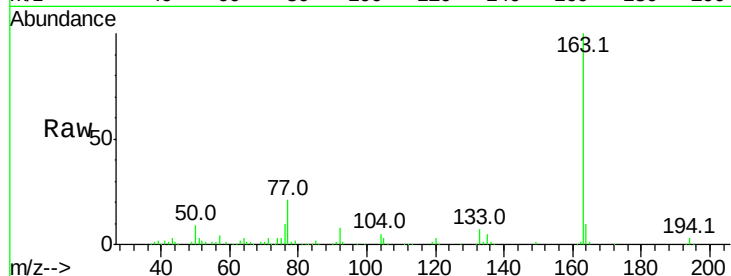




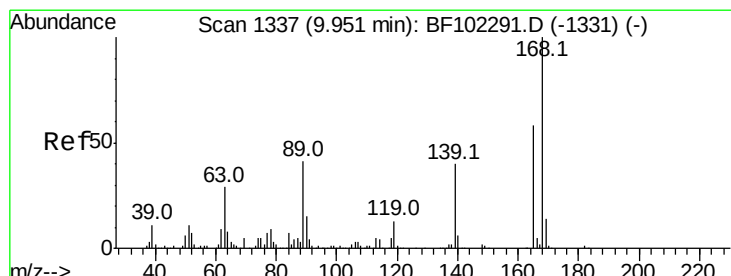
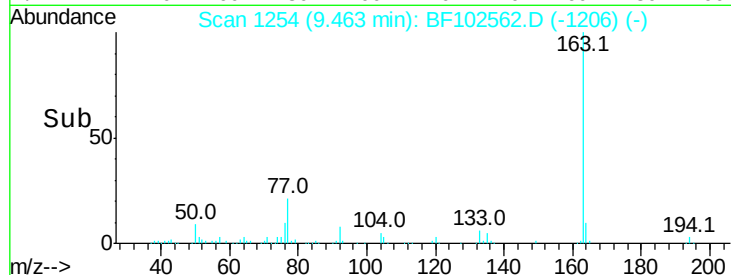
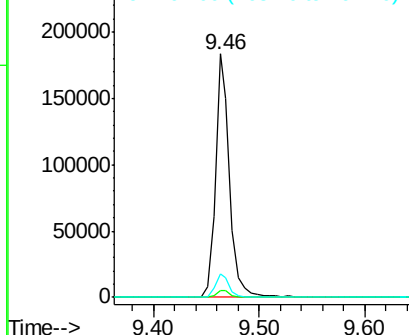
#49
Dimethylphthalate
Concen: 7.045 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF102562.D
Acq: 28 Jan 2018 17:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.7	4.1
164	9.8	8.2	12.2



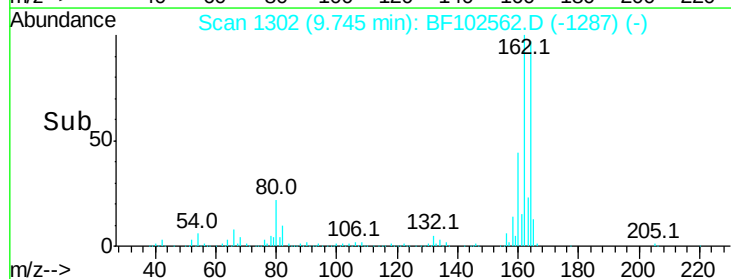
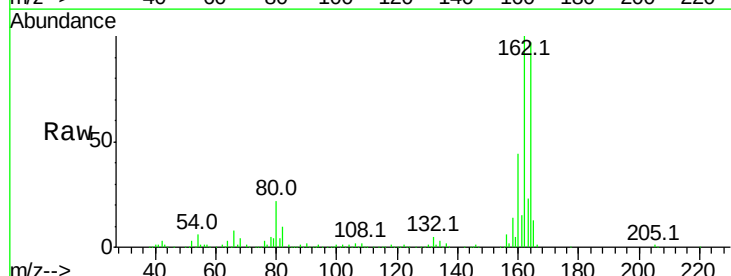
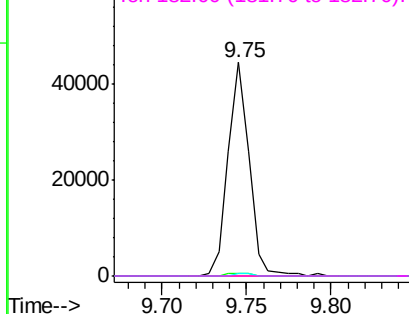
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

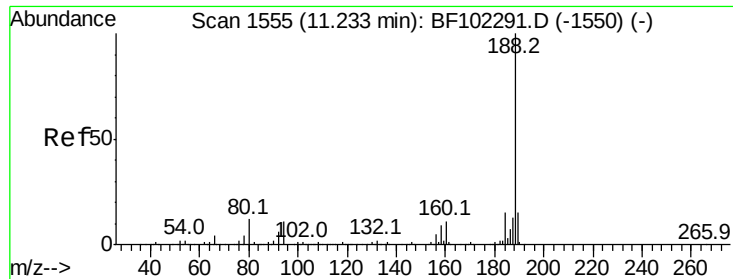


#56
2,4-Dinitrotoluene
Concen: 5.963 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.21 min
Lab File: BF102562.D
Acq: 28 Jan 2018 17:27

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.3	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

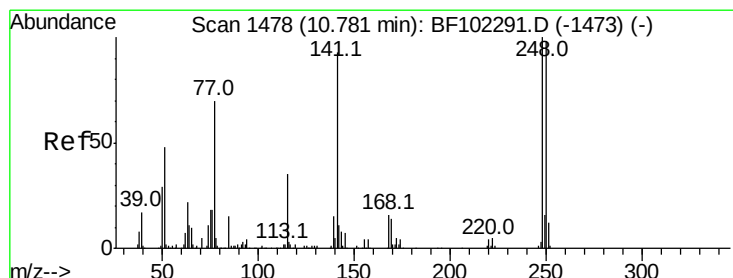
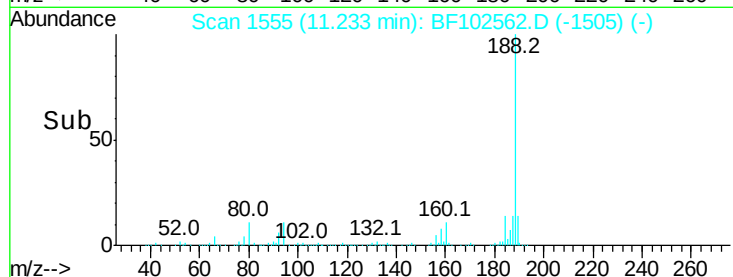
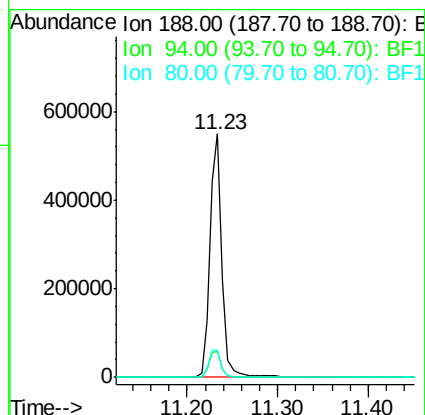
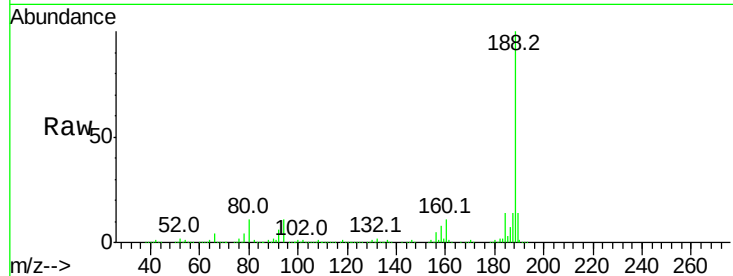




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102562.D
Acq: 28 Jan 2018 17:27

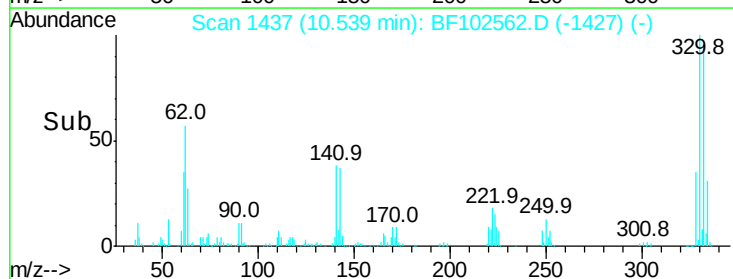
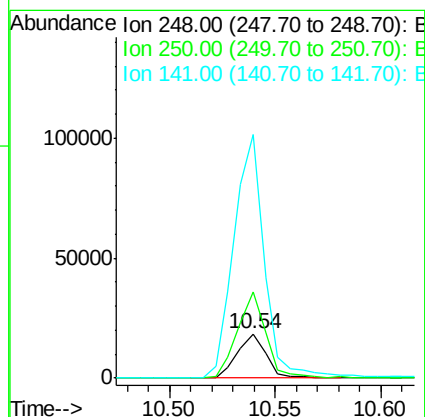
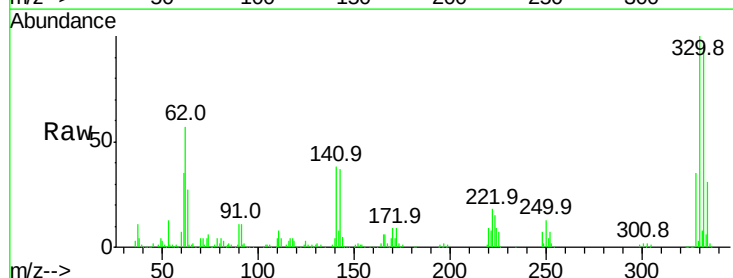
Instrument :
BNA_F
ClientSampleId :

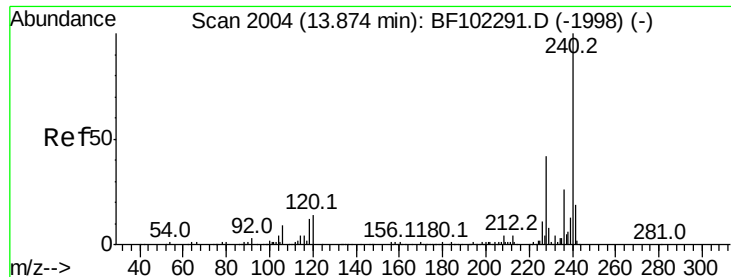
Tot Ion:188 Resp: 512493
Ion Ratio Lower Upper
188 100
94 10.9 8.5 12.7
80 11.1 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 3.181 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.24 min
Lab File: BF102562.D
Acq: 28 Jan 2018 17:27

Tgt Ion:248 Resp: 17551
Ion Ratio Lower Upper
248 100
250 193.0 76.9 115.3#
141 548.1 74.4 111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF102562.D

Acq: 28 Jan 2018 17:27

Instrument :

BNA_F

ClientSampleId :

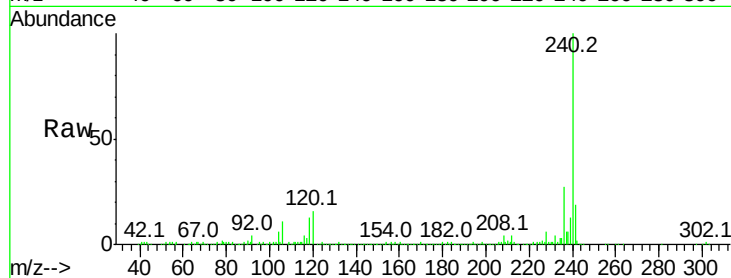
Tot Ion:240 Resp: 327252

Ion Ratio Lower Upper

240 100

120 16.1 9.5 14.3#

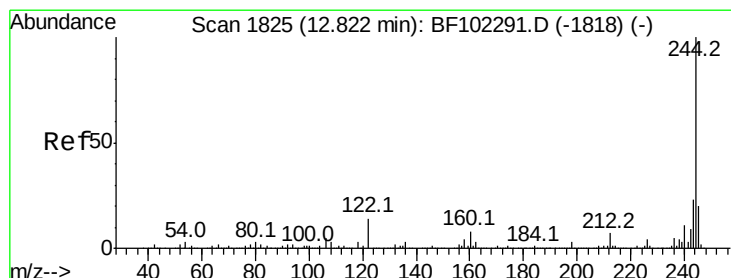
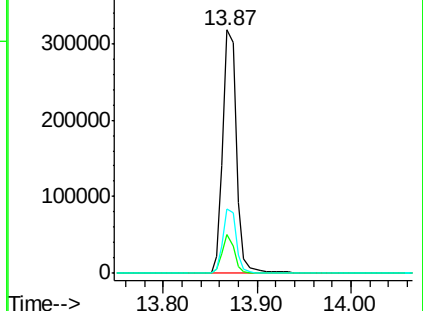
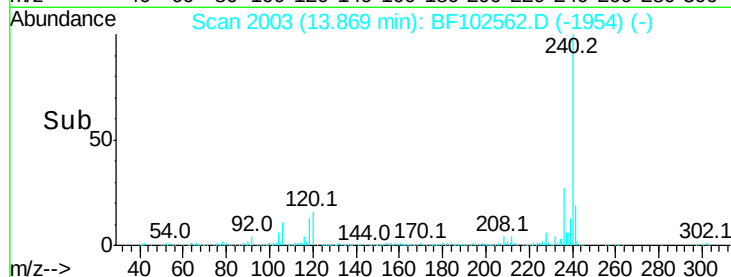
236 26.5 20.7 31.1



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



#78

Terphenyl-d14

Concen: 72.990 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF102562.D

Acq: 28 Jan 2018 17:27

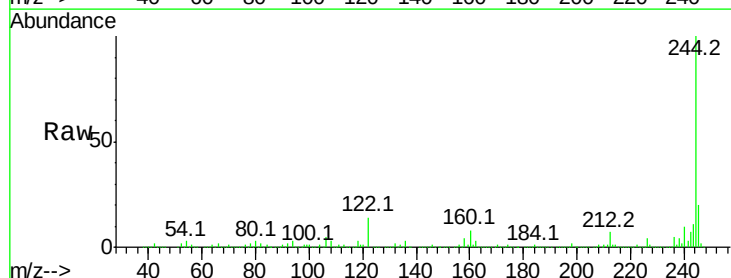
Tgt Ion:244 Resp: 1059556

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

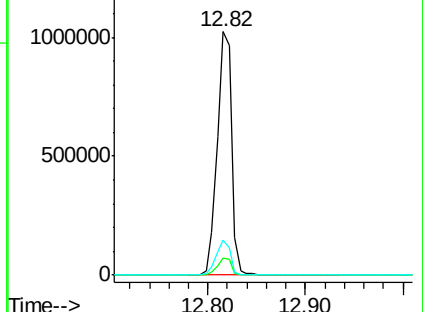
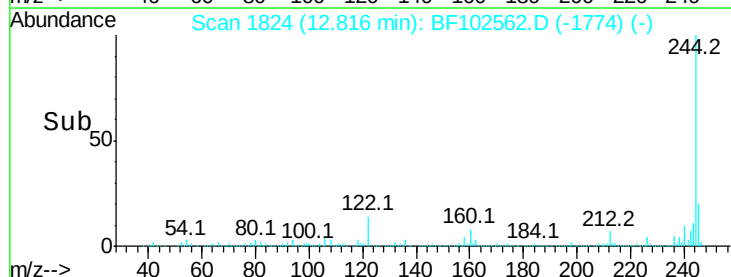
122 14.5 11.0 16.4

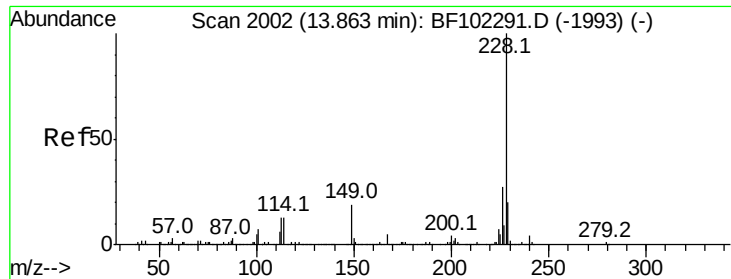


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

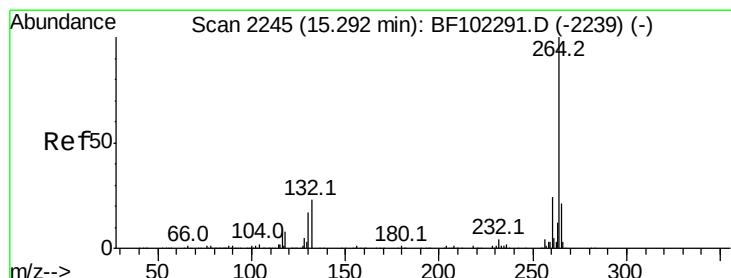
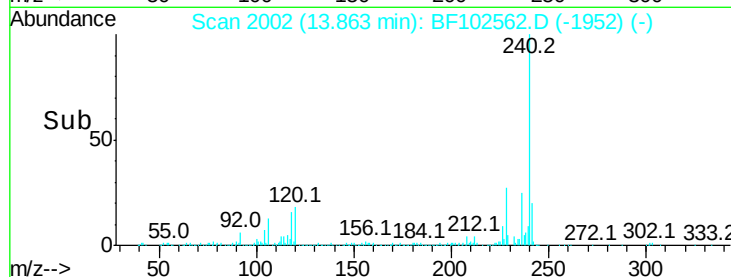
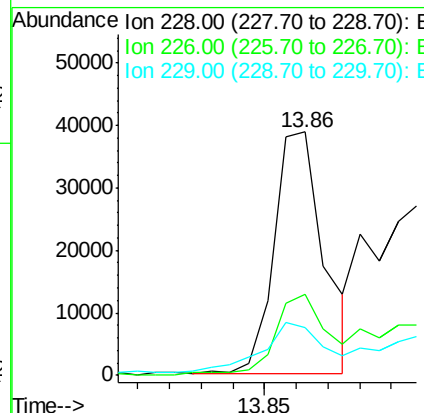
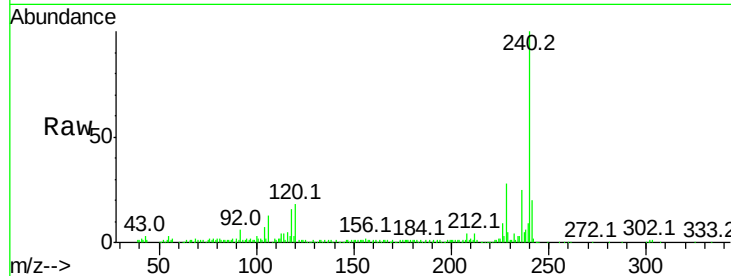




#80
Benzo(a)anthracene
Concen: 2.103 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF102562.D
Acq: 28 Jan 2018 17:27

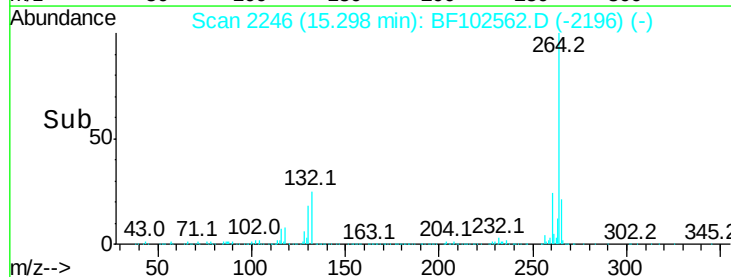
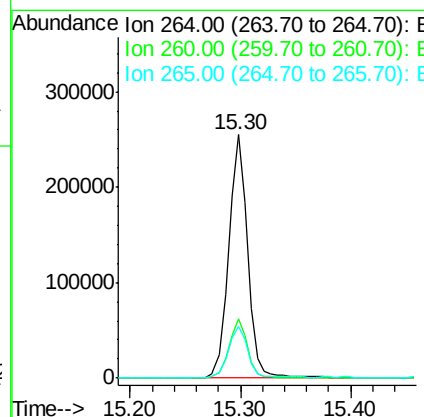
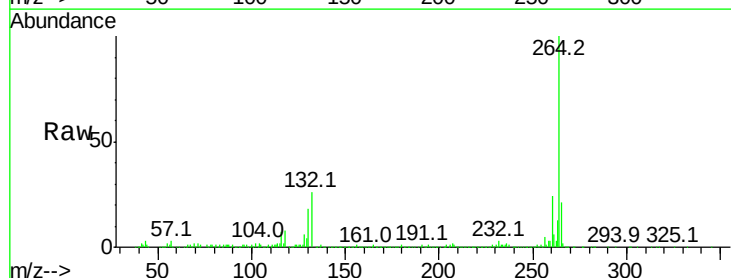
Instrument :
BNA_F
ClientSampleId :

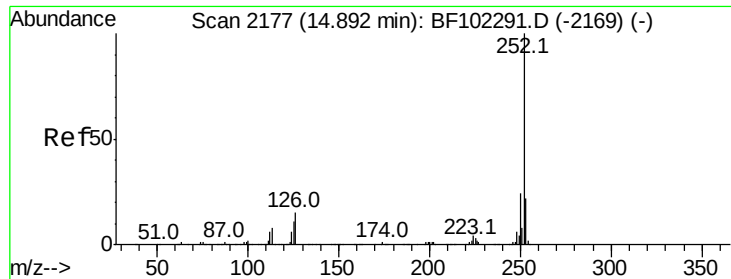
Tot Ion:228 Resp: 42370
Ion Ratio Lower Upper
228 100
226 33.5 22.6 33.8
229 19.5 15.8 23.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF102562.D
Acq: 28 Jan 2018 17:27

Tgt Ion:264 Resp: 307086
Ion Ratio Lower Upper
264 100
260 24.5 19.2 28.8
265 21.2 17.5 26.3

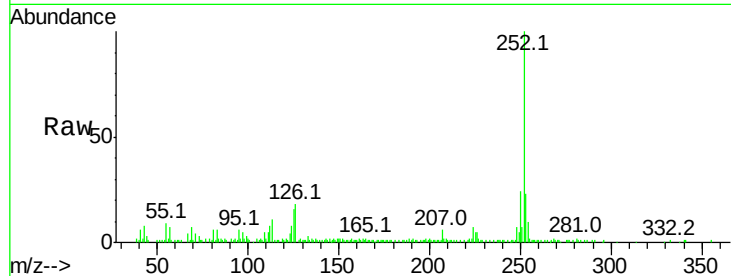




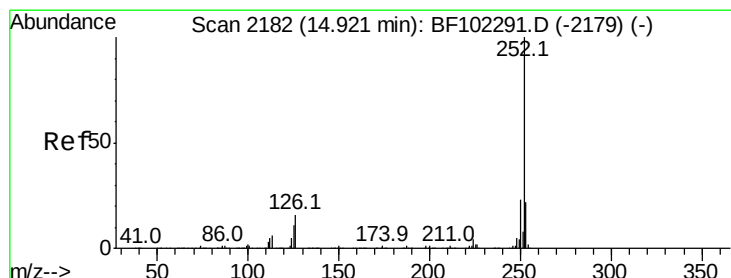
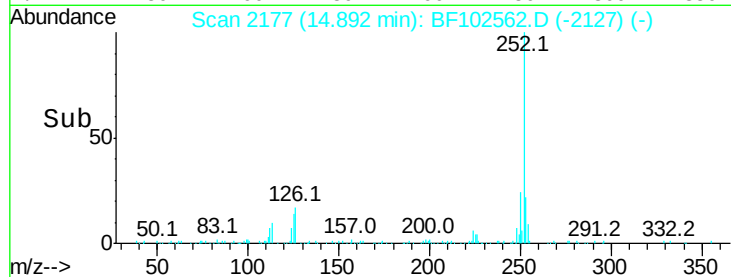
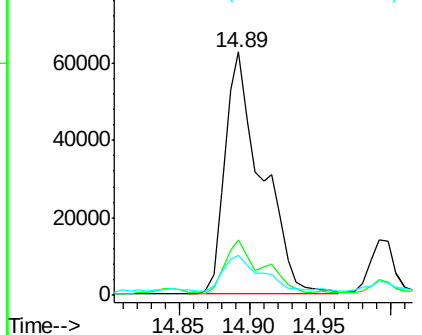
#87
Benzo(b)fluoranthene
Concen: 5.660 ng
RT: 14.89 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BF102562.D
Acq: 28 Jan 2018 17:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	16.3	9.0	13.6

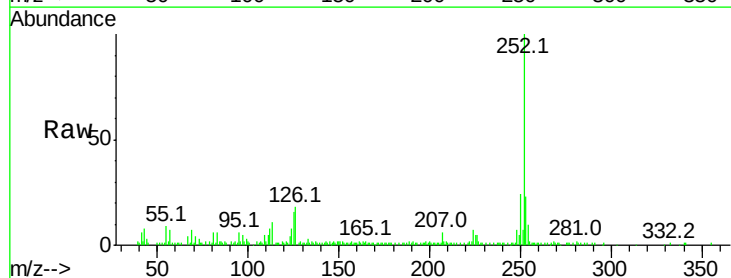


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

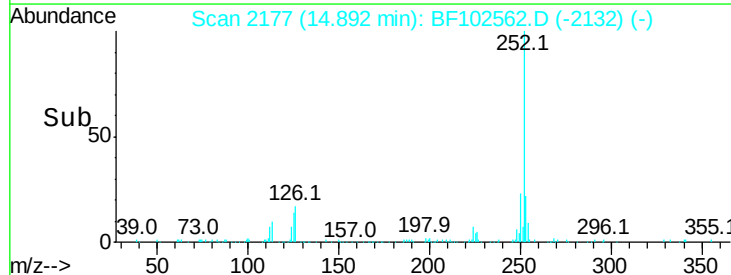
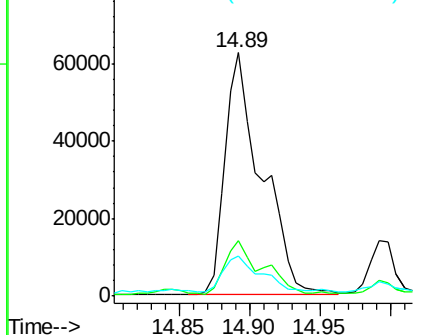


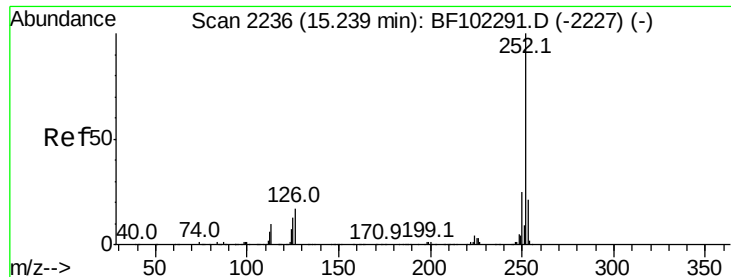
#88
Benzo(k)fluoranthene
Concen: 5.991 ng
RT: 14.89 min Scan# 2177
Delta R.T. -0.04 min
Lab File: BF102562.D
Acq: 28 Jan 2018 17:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	16.3	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: 2.464 ng

RT: 15.24 min Scan# 2236

Delta R.T. -0.01 min

Lab File: BF102562.D

Acq: 28 Jan 2018 17:27

Instrument :

BNA_F

ClientSampleId :

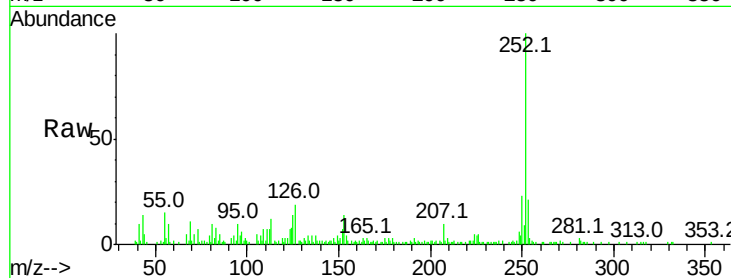
Tot Ion:252 Resp: 44229

Ion Ratio Lower Upper

252 100

253 20.6 17.1 25.7

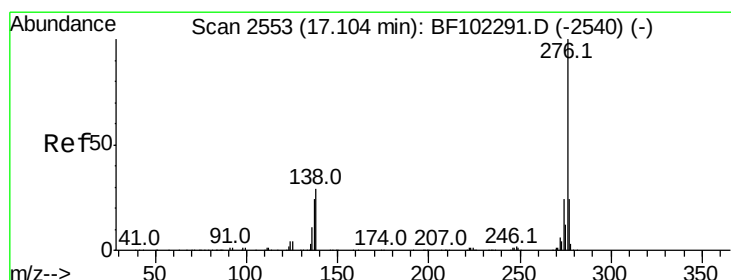
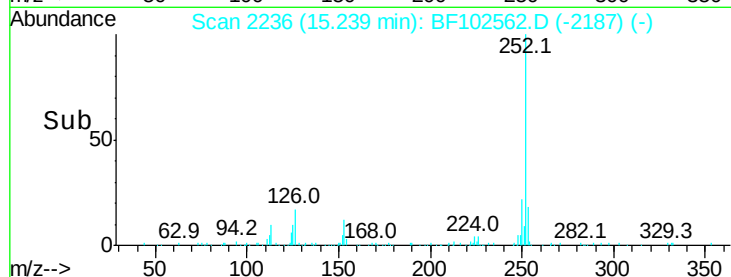
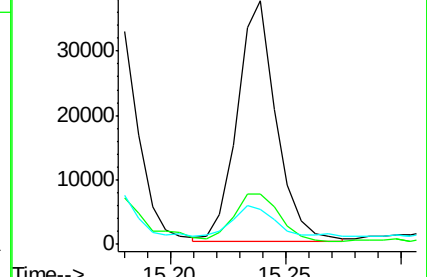
125 14.3 9.8 14.6



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: 2.019 ng

RT: 17.12 min Scan# 2555

Delta R.T. -0.02 min

Lab File: BF102562.D

Acq: 28 Jan 2018 17:27

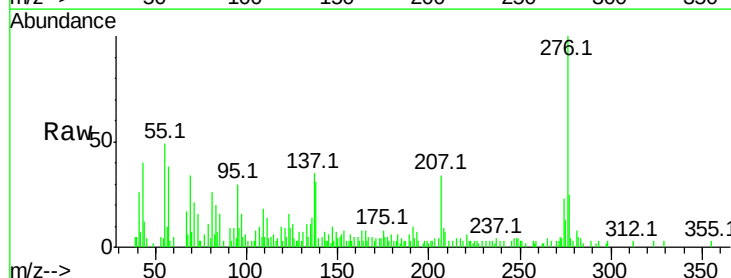
Tgt Ion:276 Resp: 28995

Ion Ratio Lower Upper

276 100

277 25.2 17.9 26.9

138 30.9 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

