

Data Path : U:\HPCHEM1\BNA F\DATA\BF013018\
 Data File : BF102645.D
 Acq On : 30 Jan 2018 17:53
 Operator : SJ/JU
 Sample : J1361-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

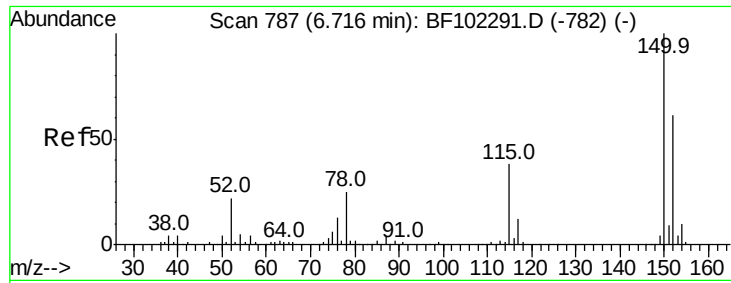
Quant Time: Jan 30 22:19:08 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	154345	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	636021	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	294225	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	521671	20.00	ng	0.00
75) Chrysene-d12	13.87	240	388672	20.00	ng	0.00
86) Perylene-d12	15.30	264	278162	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	1013105	99.53	ng	0.02
7) Phenol-d6	6.36	99	1108684	90.34	ng	0.00
23) Nitrobenzene-d5	7.28	82	855404	77.29	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	290712	99.72	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1518680	75.89	ng	0.00
78) Terphenyl-d14	12.82	244	1432335	83.08	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.49	77	22276	2.625	ng	84
19) n-Nitroso-di-n-propylamine	7.28	70	111638	14.865	ng	# 78
25) Isophorone	7.28	82	855398	43.353	ng	# 64
31) Naphthalene	8.02	128	121452	3.825	ng	99
49) Dimethylphthalate	9.75	163	72268	2.972	ng	# 1
50) 2,6-Dinitrotoluene	9.75	165	39773	7.585	ng	# 26
56) 2,4-Dinitrotoluene	9.75	165	39774	6.169	ng	# 23
66) 4-Bromophenyl-phenylether	10.54	248	19593	3.489	ng	# 1

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

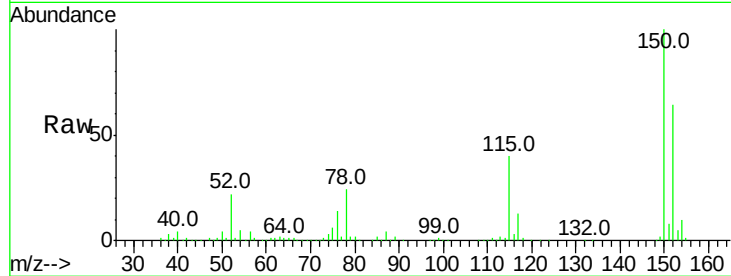


#1

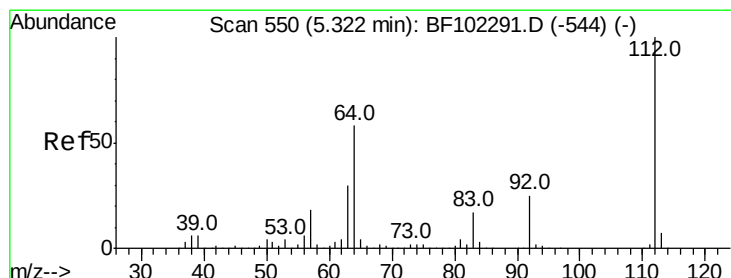
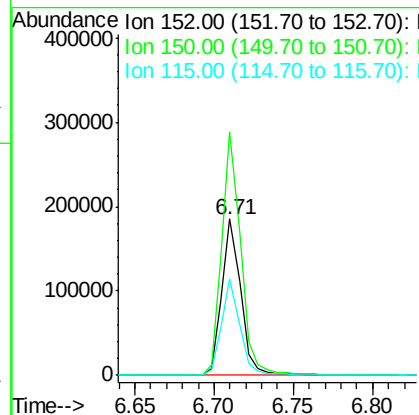
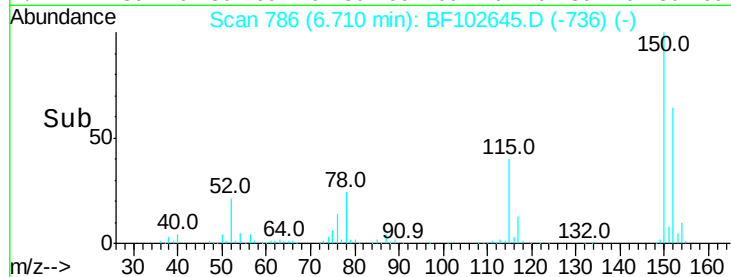
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF102645.D
Acq: 30 Jan 2018 17:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 154345
Ion Ratio Lower Upper
152 100
150 156.1 124.6 186.8
115 61.7 50.1 75.1



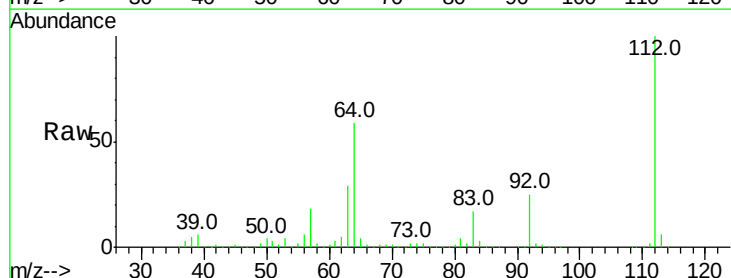
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



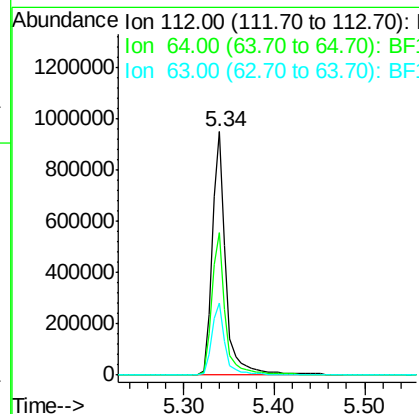
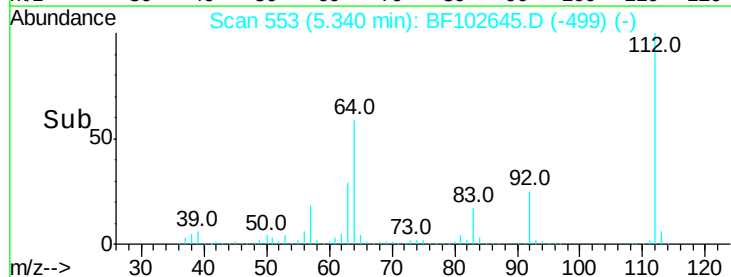
#5

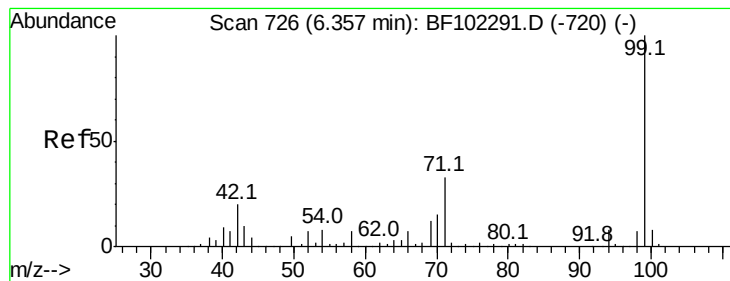
2-Fluorophenol
Concen: 99.526 ng
RT: 5.34 min Scan# 553
Delta R.T. 0.02 min
Lab File: BF102645.D
Acq: 30 Jan 2018 17:53

Tgt Ion:112 Resp: 1013105
Ion Ratio Lower Upper
112 100
64 58.7 47.9 71.9
63 29.4 23.7 35.5



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





#7

Phenol-d6

Concen: 90.342 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF102645.D

Acq: 30 Jan 2018 17:53

Instrument :

BNA_F

ClientSampleId :

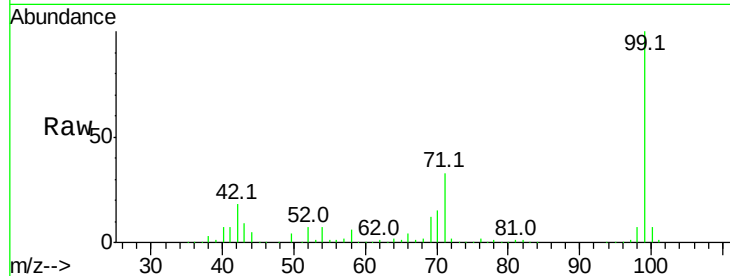
Tot Ion: 99 Resp: 1108684

Ion Ratio Lower Upper

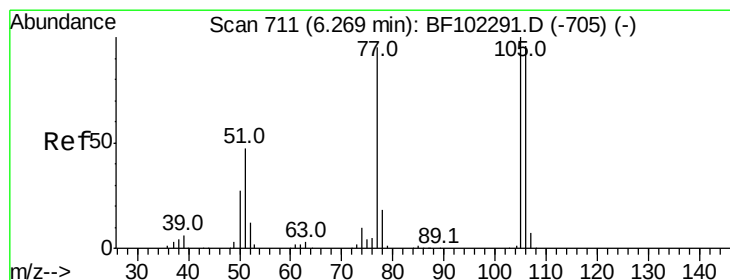
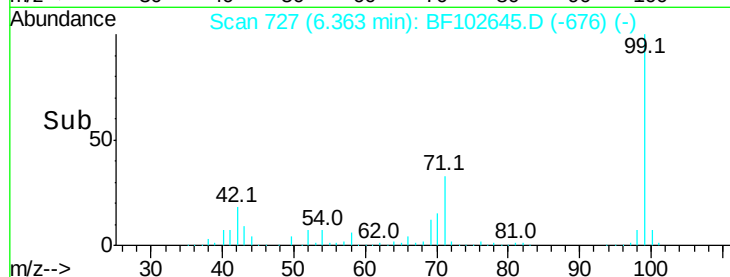
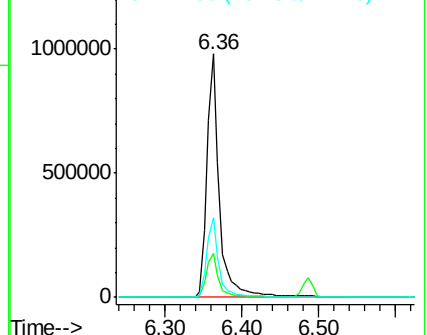
99 100

42 18.3 14.5 21.7

71 32.5 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: 2.625 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.22 min

Lab File: BF102645.D

Acq: 30 Jan 2018 17:53

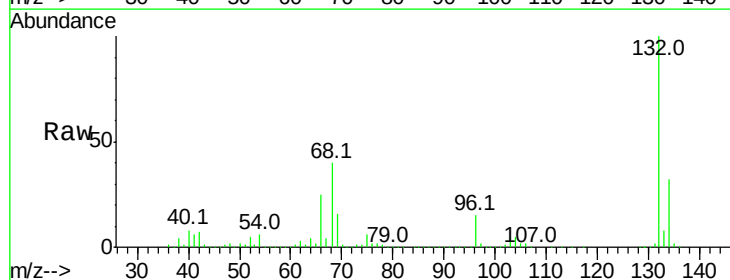
Tgt Ion: 77 Resp: 22276

Ion Ratio Lower Upper

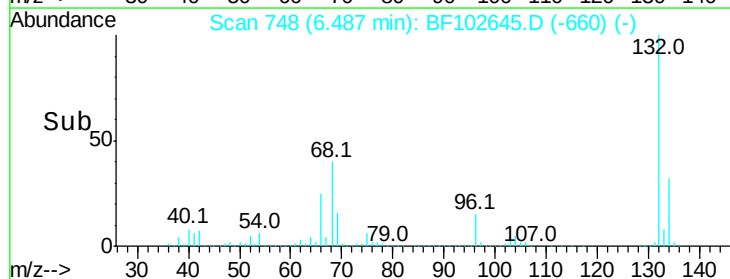
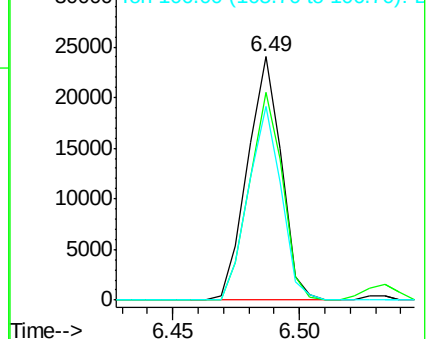
77 100

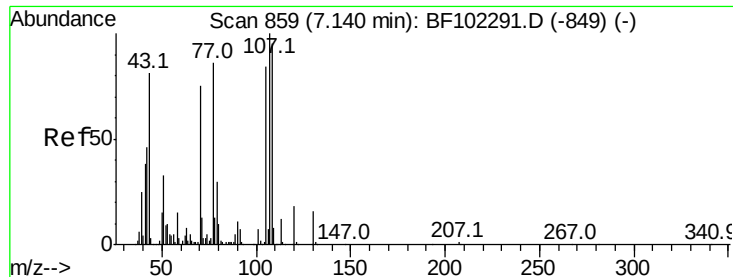
105 85.4 81.1 121.1

106 79.4 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





#19

n-Nitroso-di-n-propylamine

Concen: 14.865 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.15 min

Lab File: BF102645.D

Acq: 30 Jan 2018 17:53

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 111638

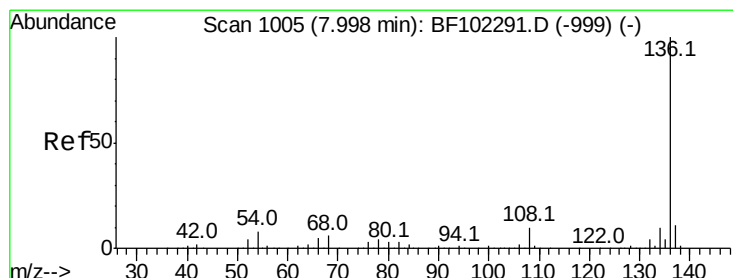
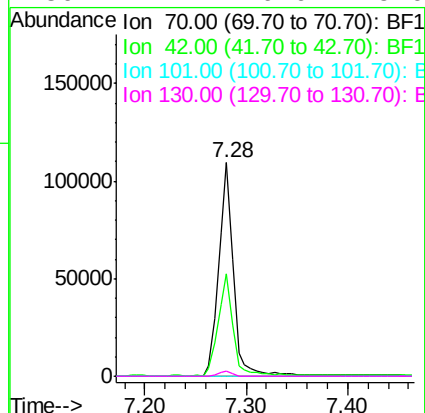
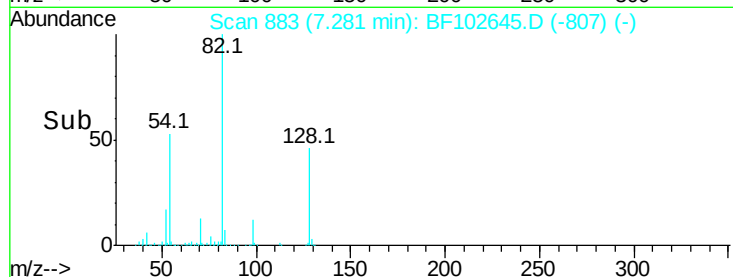
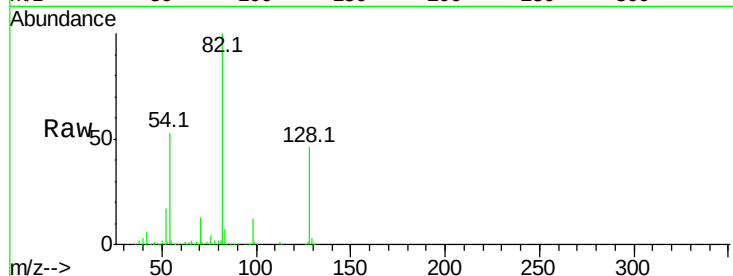
Ion Ratio Lower Upper

70 100

42 48.2 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 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: BF102645.D

Acq: 30 Jan 2018 17:53

Tgt Ion: 136 Resp: 636021

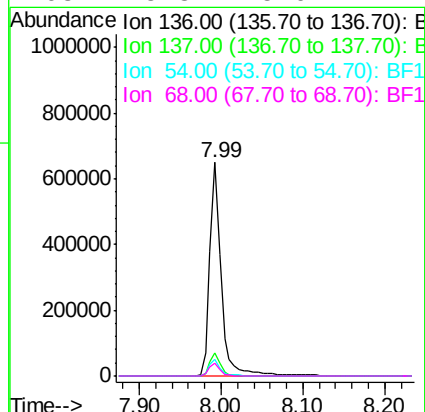
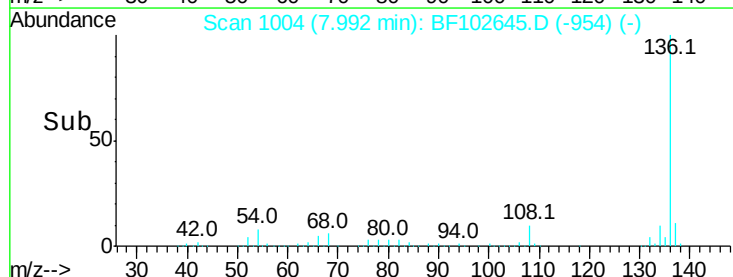
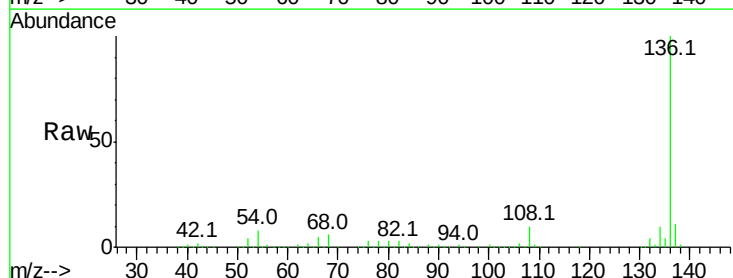
Ion Ratio Lower Upper

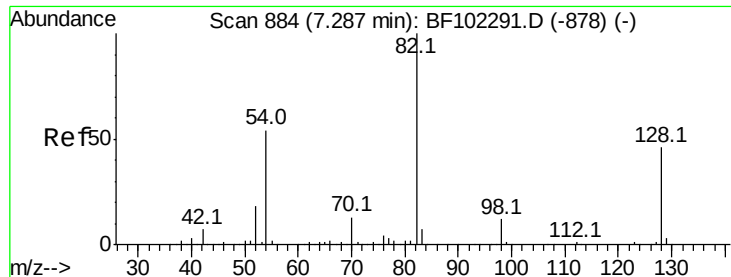
136 100

137 11.1 8.9 13.3

54 7.9 6.6 9.8

68 5.8 5.0 7.4

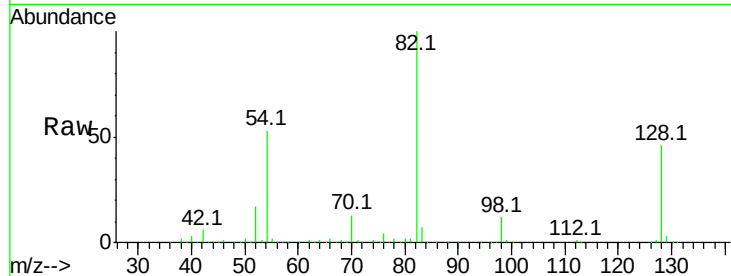




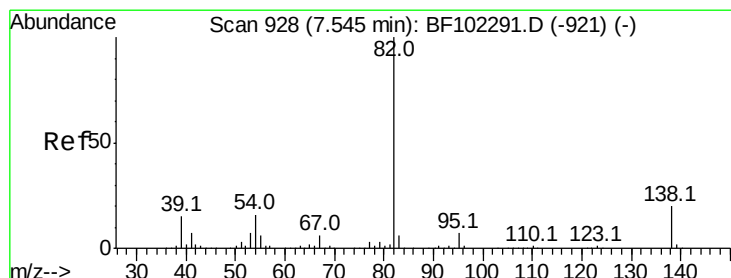
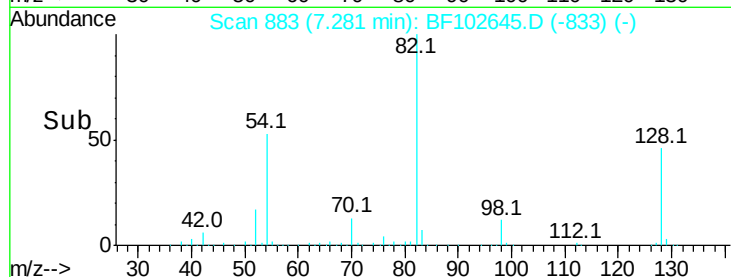
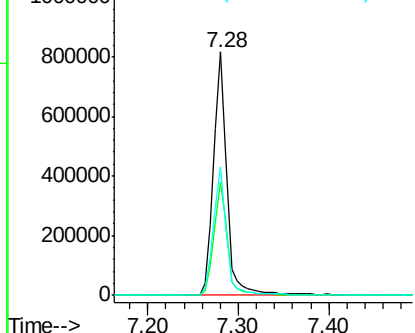
#23
Nitrobenzene-d5
Concen: 77.289 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF102645.D
Acq: 30 Jan 2018 17:53

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 855404
Ion Ratio Lower Upper
82 100
128 46.2 36.1 54.1
54 52.9 41.4 62.2

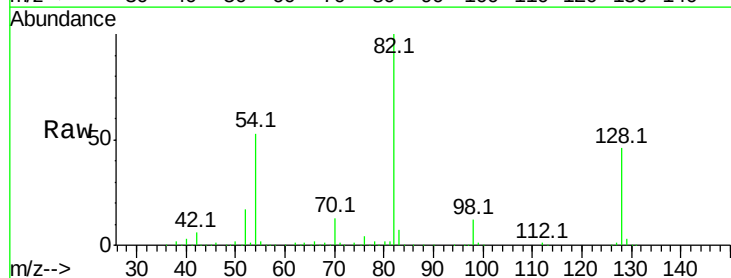


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

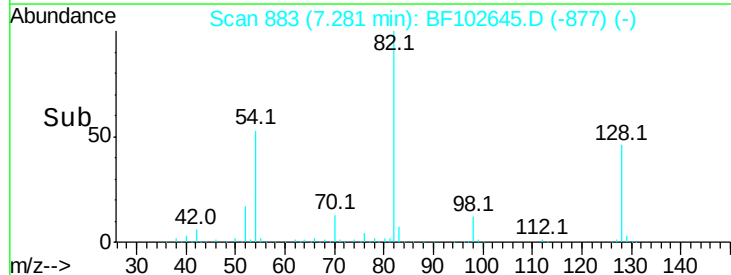
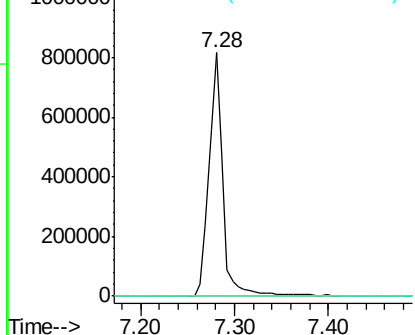


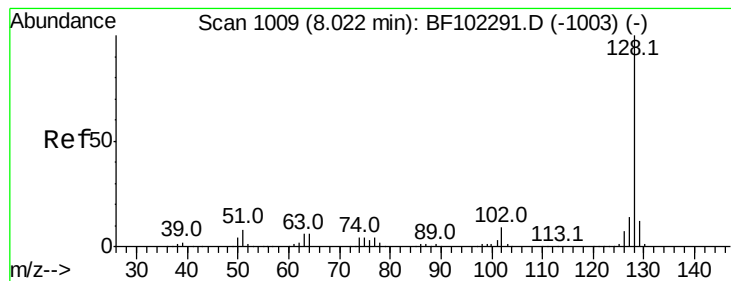
#25
Isophorone
Concen: 43.353 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.26 min
Lab File: BF102645.D
Acq: 30 Jan 2018 17:53

Tgt Ion: 82 Resp: 855398
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





#31

Naphthalene

Concen: 3.825 ng

RT: 8.02 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF102645.D

Acq: 30 Jan 2018 17:53

Instrument :

BNA_F

ClientSampleId :

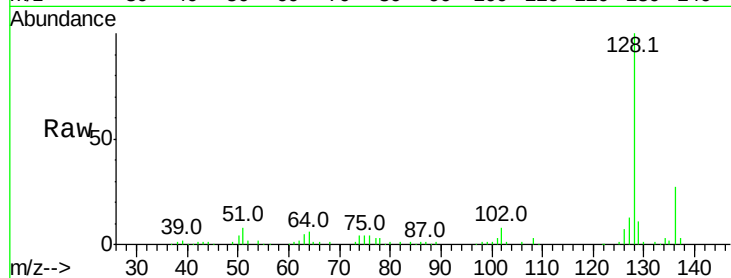
Tot Ion:128 Resp: 121452

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

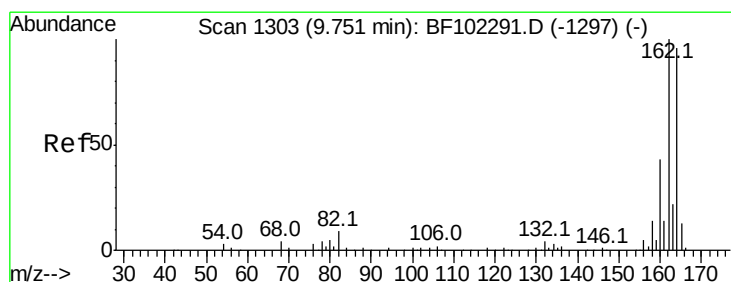
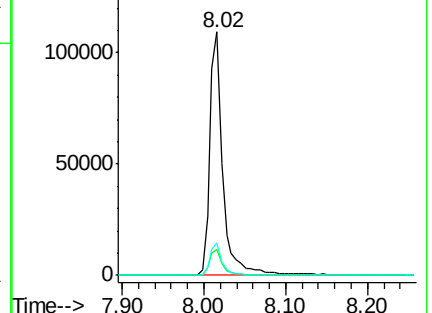
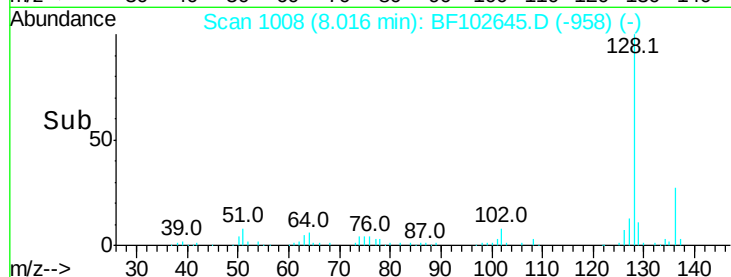
127 13.3 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF102645.D

Acq: 30 Jan 2018 17:53

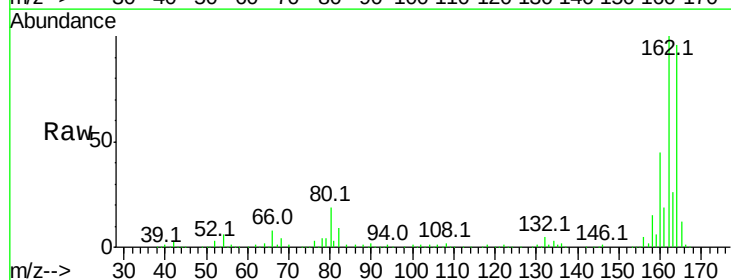
Tgt Ion:164 Resp: 294225

Ion Ratio Lower Upper

164 100

162 104.4 86.1 129.1

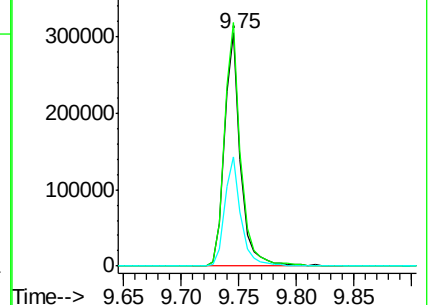
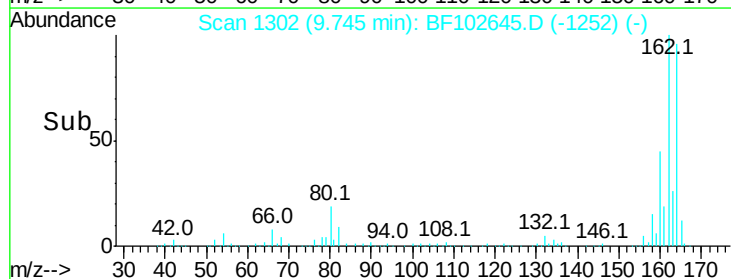
160 47.0 38.3 57.5

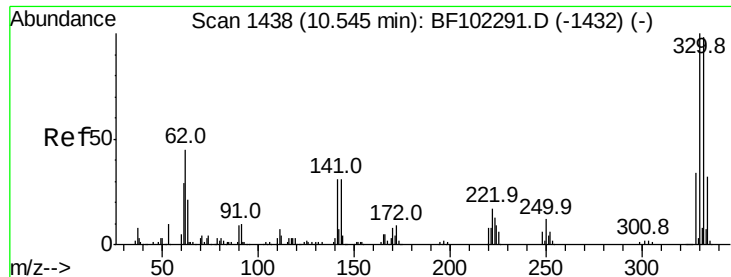


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

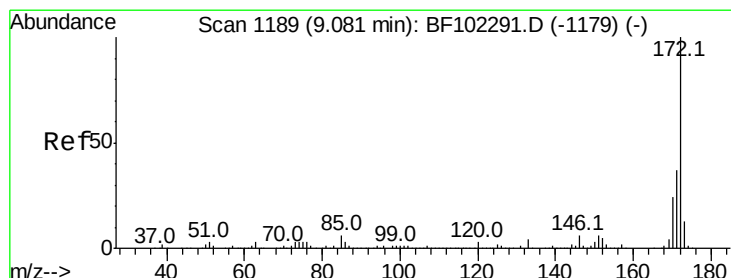
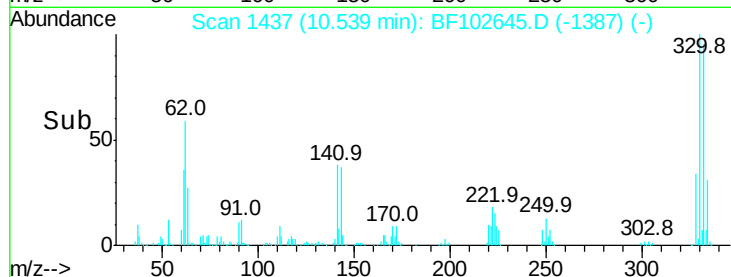
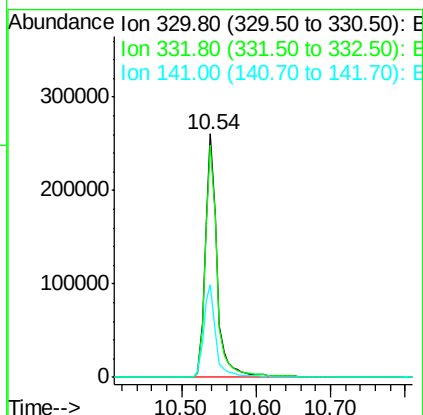
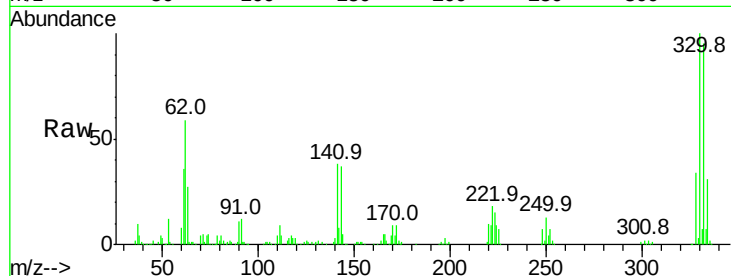




#41
 2,4,6-Tribromophenol
 Concen: 99.718 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102645.D
 Acq: 30 Jan 2018 17:53

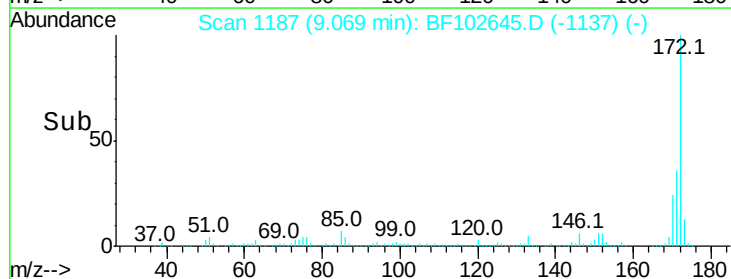
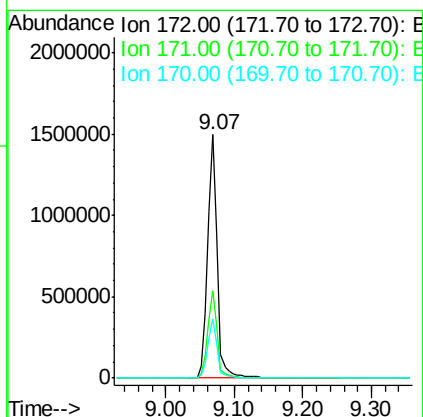
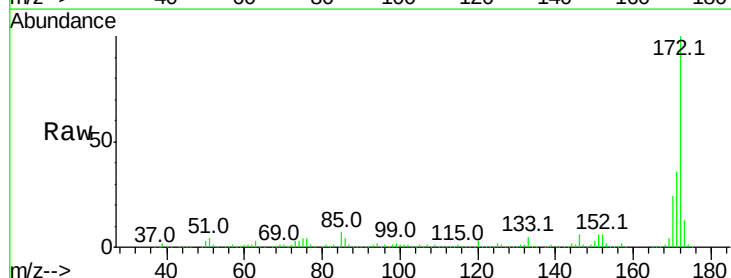
Instrument :
 BNA_F
 ClientSampleId :

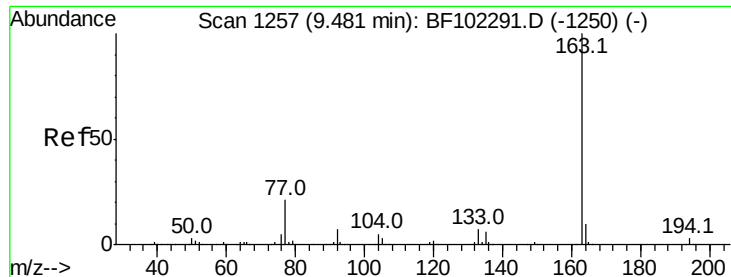
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	39.5	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 75.894 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF102645.D
 Acq: 30 Jan 2018 17:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	24.5	19.6	29.4





#49

Dimethylphthalate

Concen: 2.972 ng

RT: 9.75 min Scan# 1302

Delta R.T. 0.26 min

Lab File: BF102645.D

Acq: 30 Jan 2018 17:53

Instrument :

BNA_F

ClientSampleId :

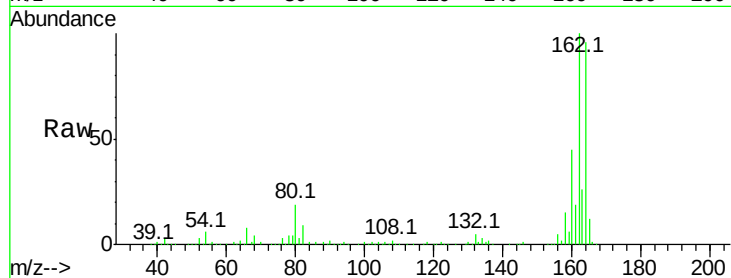
Tot Ion:163 Resp: 72268

Ion Ratio Lower Upper

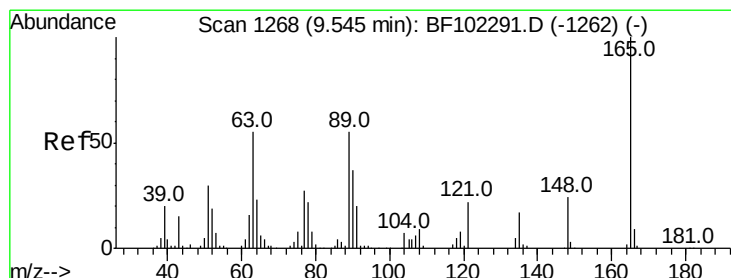
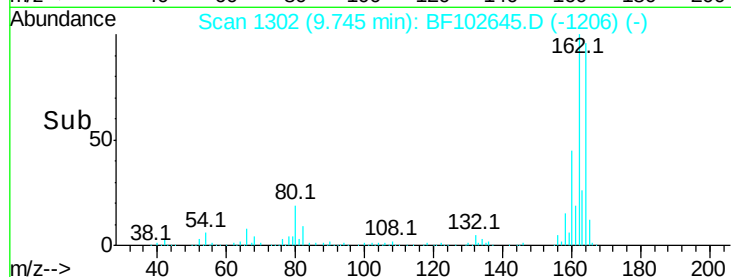
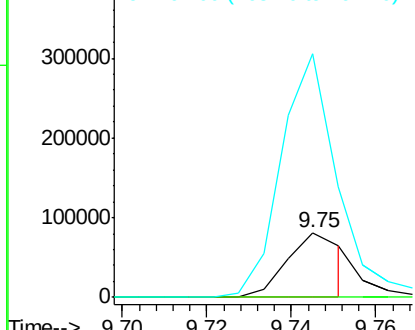
163 100

194 0.0 2.7 4.1#

164 374.6 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: 7.585 ng

RT: 9.75 min Scan# 1302

Delta R.T. 0.19 min

Lab File: BF102645.D

Acq: 30 Jan 2018 17:53

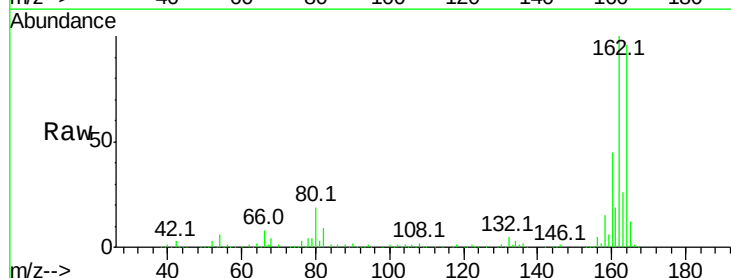
Tgt Ion:165 Resp: 39773

Ion Ratio Lower Upper

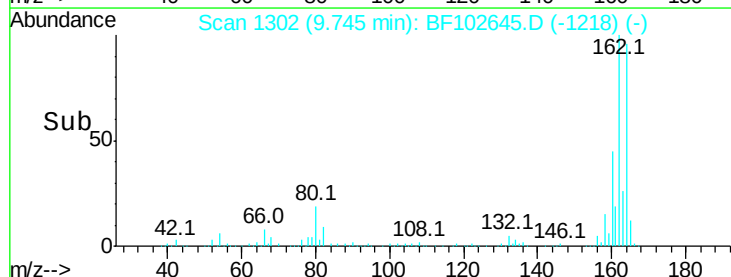
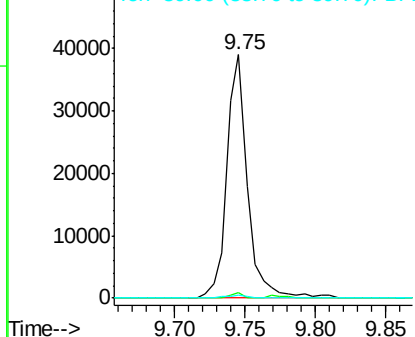
165 100

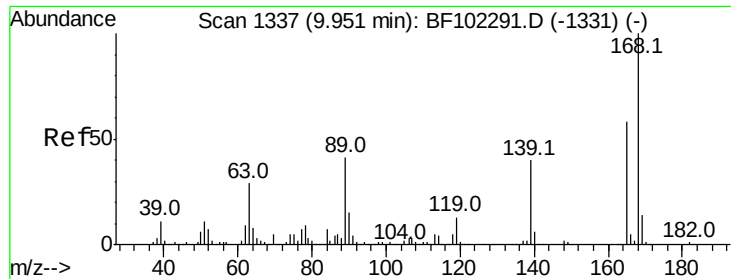
63 2.3 44.7 67.1#

89 1.0 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

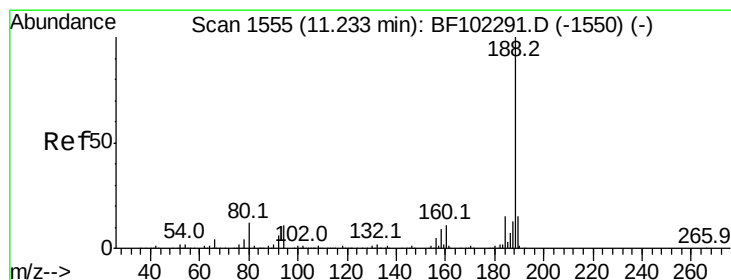
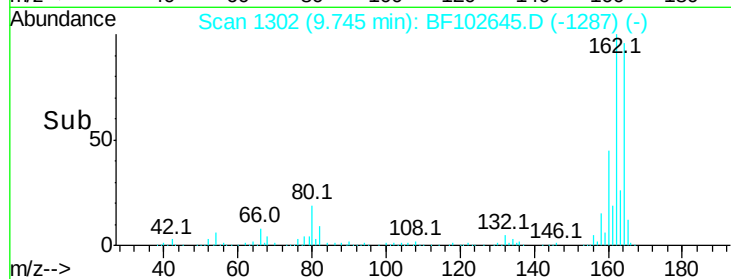
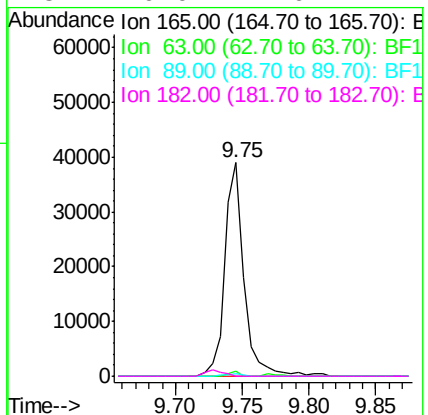
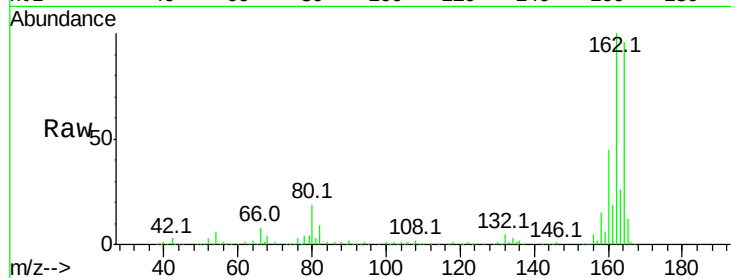




#56
 2,4-Dinitrotoluene
 Concen: 6.169 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.21 min
 Lab File: BF102645.D
 Acq: 30 Jan 2018 17:53

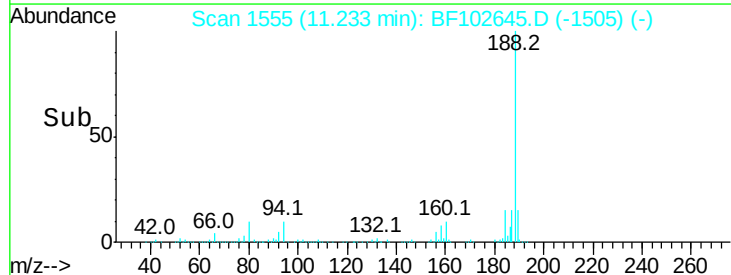
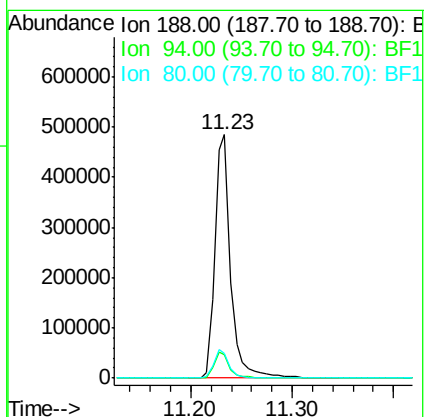
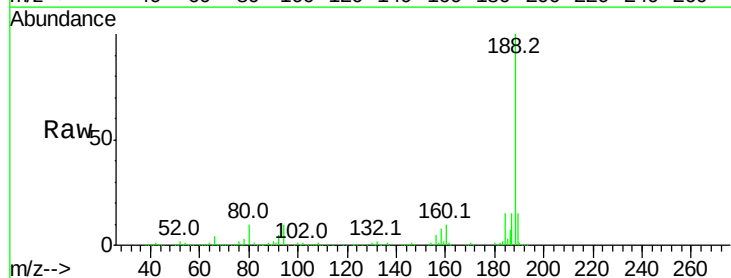
Instrument :
 BNA_F
 ClientSampleId :

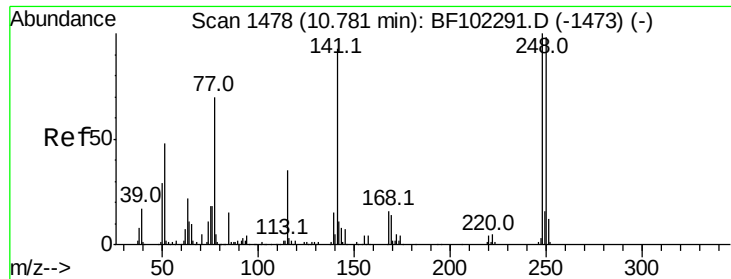
Tot Ion:165 Resp: 39774
 Ion Ratio Lower Upper
 165 100
 63 2.3 36.4 54.6#
 89 1.0 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF102645.D
 Acq: 30 Jan 2018 17:53

Tgt Ion:188 Resp: 521671
 Ion Ratio Lower Upper
 188 100
 94 9.8 8.5 12.7
 80 10.4 9.2 13.8

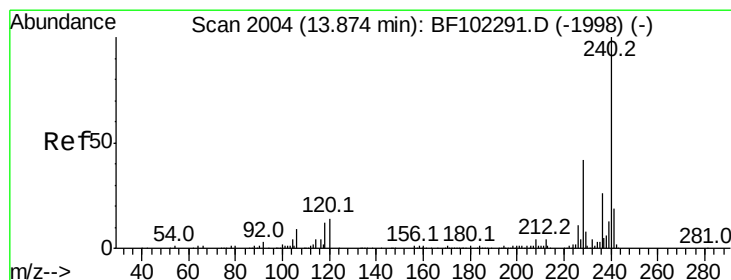
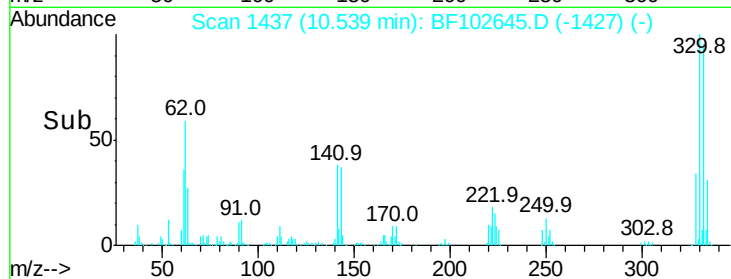
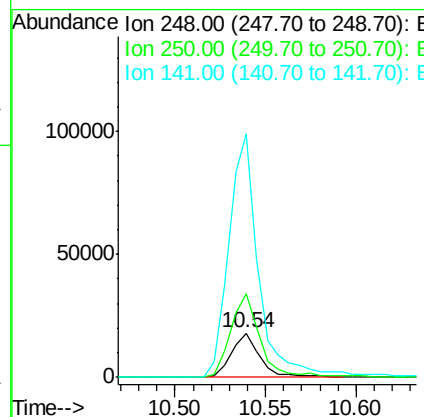
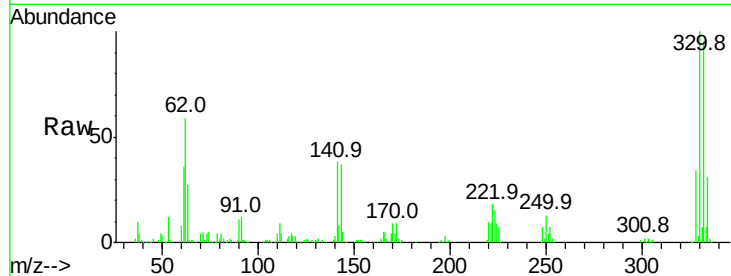




#66
 4-Bromophenyl-phenylether
 Concen: 3.489 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.24 min
 Lab File: BF102645.D
 Acq: 30 Jan 2018 17:53

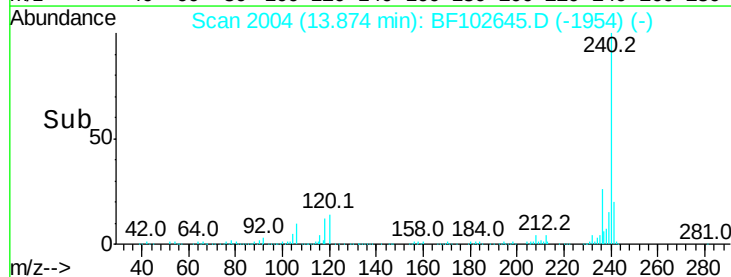
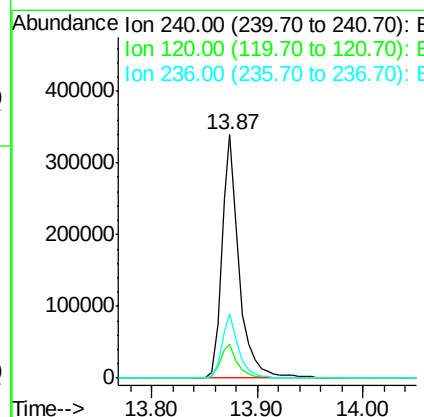
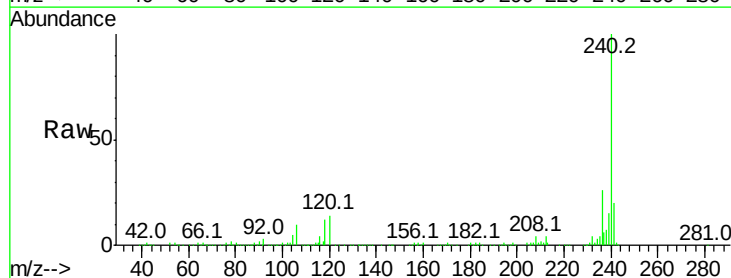
Instrument :
 BNA_F
 ClientSampleId :

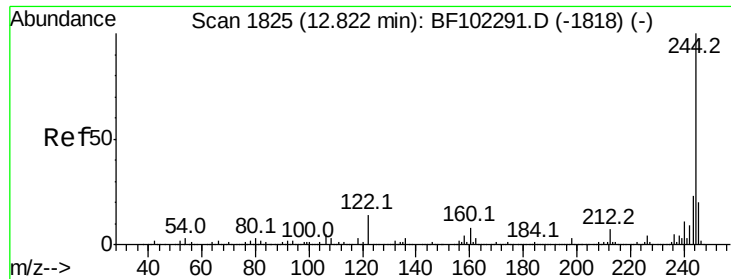
Tot Ion	Ion	Ratio	Lower	Upper
248	100			
250	191.2	76.9	115.3#	
141	553.3	74.4	111.6#	



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.87 min Scan# 2004
 Delta R.T. -0.01 min
 Lab File: BF102645.D
 Acq: 30 Jan 2018 17:53

Tgt Ion	Ion	Ratio	Lower	Upper
240	100			
120	13.8	9.5	14.3	
236	26.3	20.7	31.1	





#78

Terphenyl-d14

Concen: 83.078 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF102645.D

Acq: 30 Jan 2018 17:53

Instrument :

BNA_F

ClientSampleId :

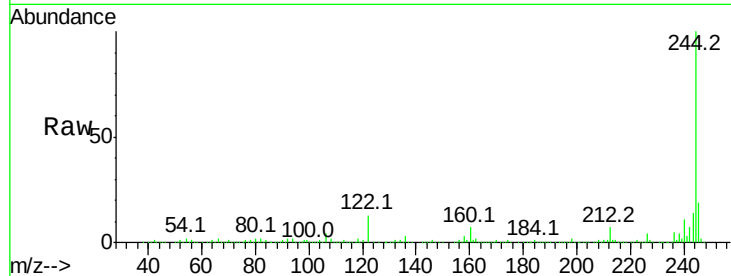
Tot Ion:244 Resp: 1432335

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

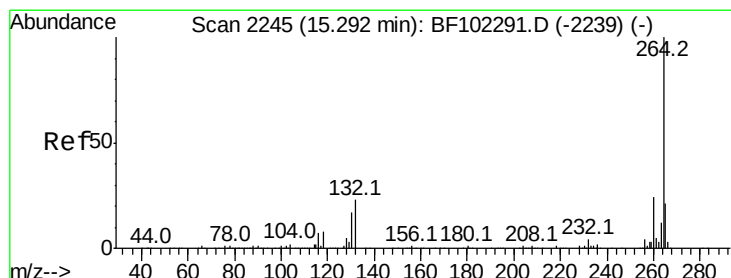
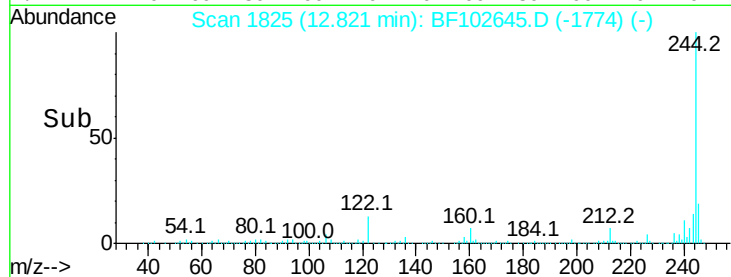
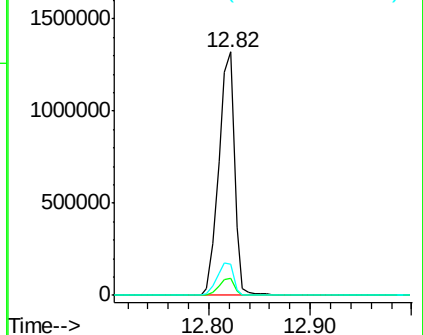
122 12.8 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.30 min Scan# 2247

Delta R.T. -0.00 min

Lab File: BF102645.D

Acq: 30 Jan 2018 17:53

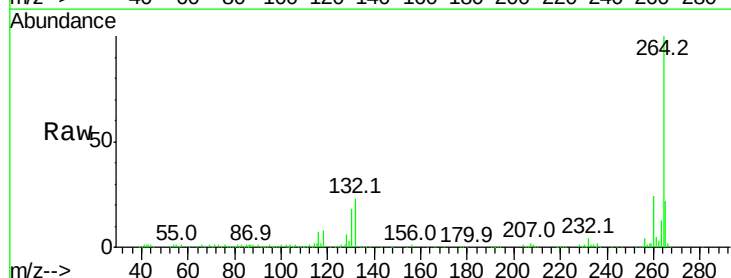
Tgt Ion:264 Resp: 278162

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 21.9 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

