

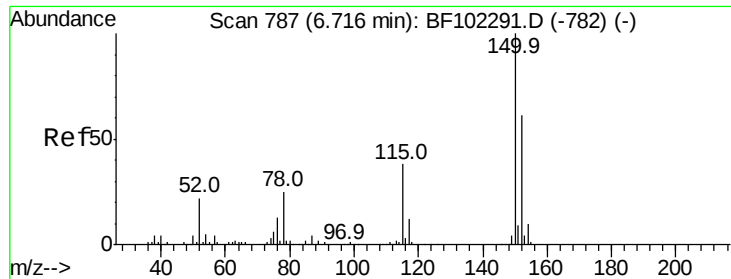
Data Path : U:\HPCHEM1\BNA F\DATA\BF012918\
 Data File : BF102619.D
 Acq On : 30 Jan 2018 1:20
 Operator : SJ/JU
 Sample : J1253-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 30 02:46:30 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	166892	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	615641	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	260617	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	401251	20.00	ng	0.00
75) Chrysene-d12	13.87	240	274606	20.00	ng	0.00
86) Perylene-d12	15.31	264	277681	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	927325	84.25	ng	0.00
7) Phenol-d6	6.36	99	1183104	89.16	ng	0.00
23) Nitrobenzene-d5	7.28	82	725920	67.76	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	184560	71.47	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1109500	62.60	ng	0.00
78) Terphenyl-d14	12.82	244	691893	56.80	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.49	77	20912	2.297	ng	81
10) Phenol	6.37	94	53412	3.687	ng	91
19) n-Nitroso-di-n-propylamine	7.28	70	93887	11.561	ng	# 80
25) Isophorone	7.28	82	725914	38.009	ng	# 64
49) Dimethylphthalate	9.47	163	194722	9.039	ng	99
56) 2,4-Dinitrotoluene	9.75	165	33061	5.789	ng	# 23
66) 4-Bromophenyl-phenylether	10.54	248	12641	2.927	ng	# 1

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

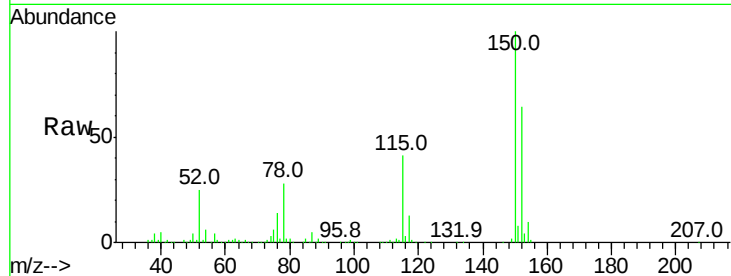


#1

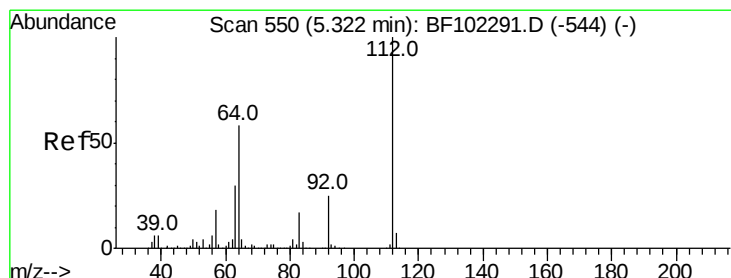
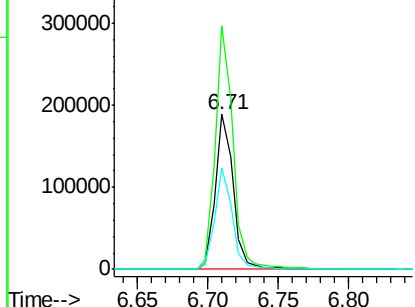
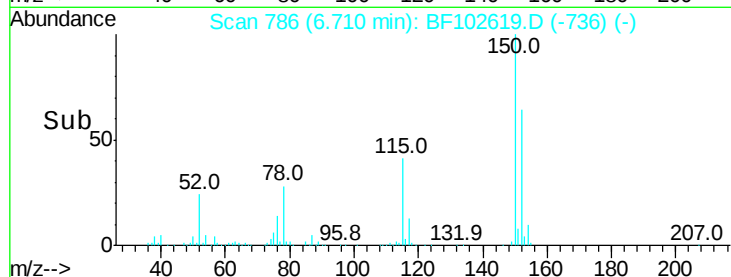
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF102619.D
Acq: 30 Jan 2018 1:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 166892
Ion Ratio Lower Upper
152 100
150 157.3 124.6 186.8
115 65.2 50.1 75.1



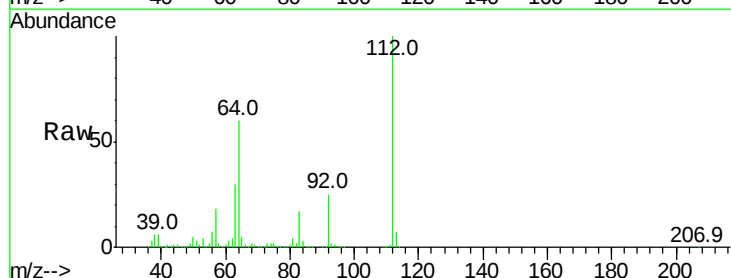
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



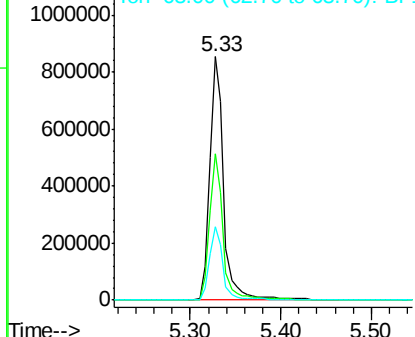
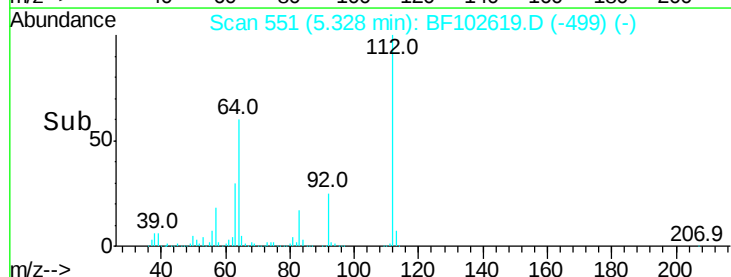
#5

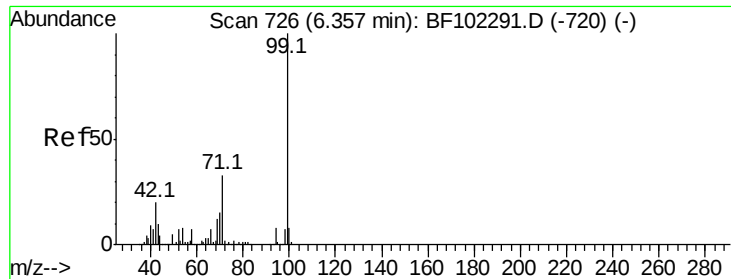
2-Fluorophenol
Concen: 84.250 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102619.D
Acq: 30 Jan 2018 1:20

Tgt Ion:112 Resp: 927325
Ion Ratio Lower Upper
112 100
64 60.1 47.9 71.9
63 30.1 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: 89.158 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF102619.D

Acq: 30 Jan 2018 1:20

Instrument :

BNA_F

ClientSampled :

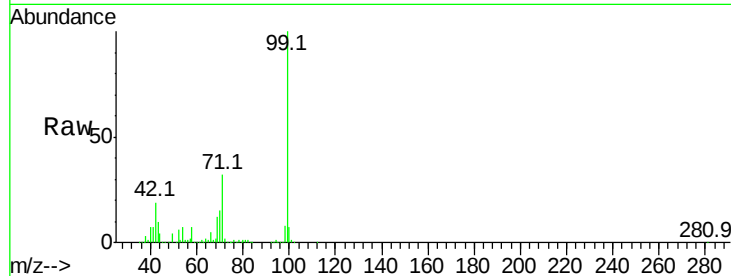
Tot Ion: 99 Resp: 1183104

Ion Ratio Lower Upper

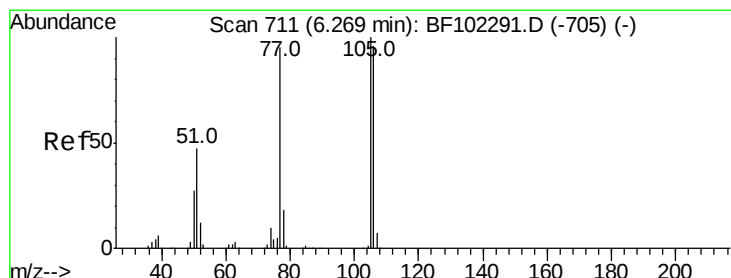
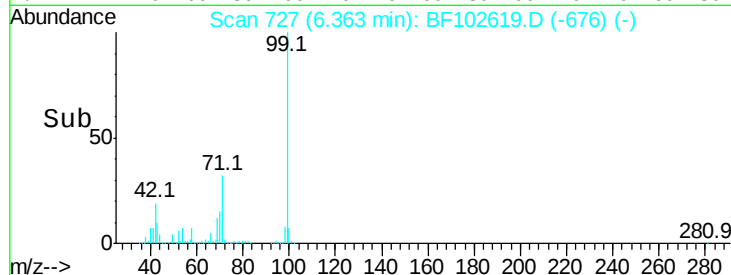
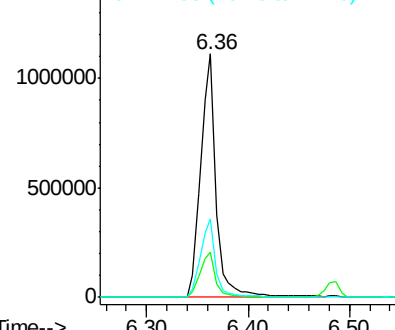
99 100

42 18.8 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: 2.297 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.22 min

Lab File: BF102619.D

Acq: 30 Jan 2018 1:20

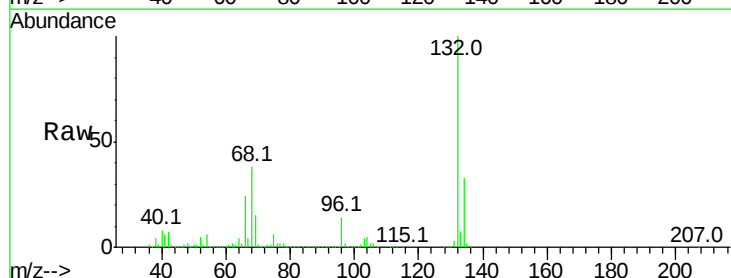
Tgt Ion: 77 Resp: 20912

Ion Ratio Lower Upper

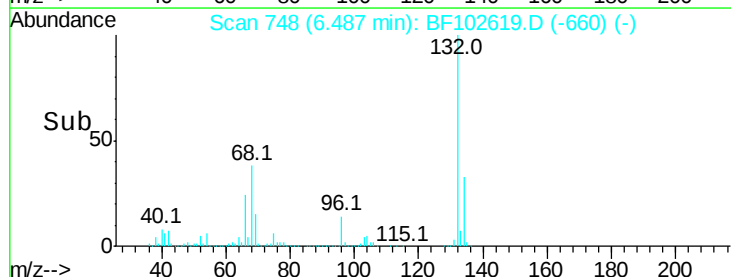
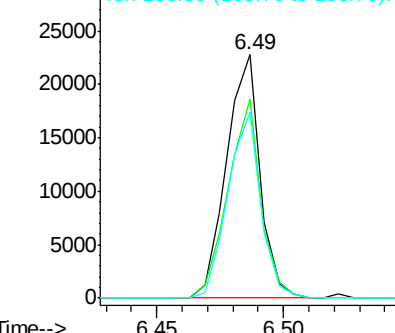
77 100

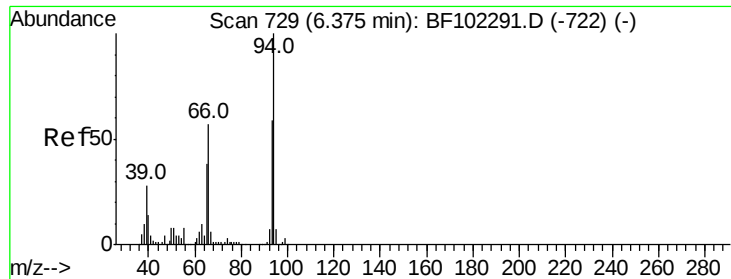
105 81.9 81.1 121.1

106 76.5 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: 3.687 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF102619.D

Acq: 30 Jan 2018 1:20

Instrument :

BNA_F

ClientSampleId :

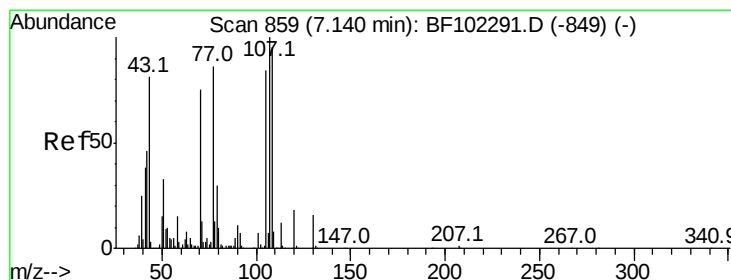
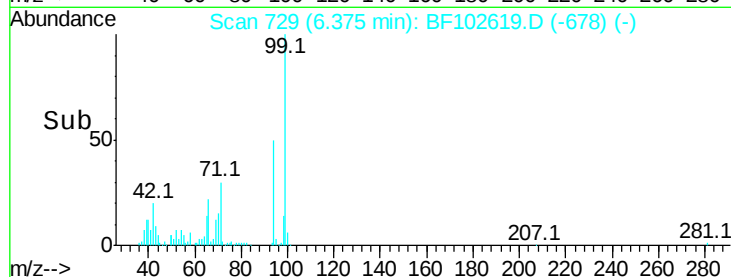
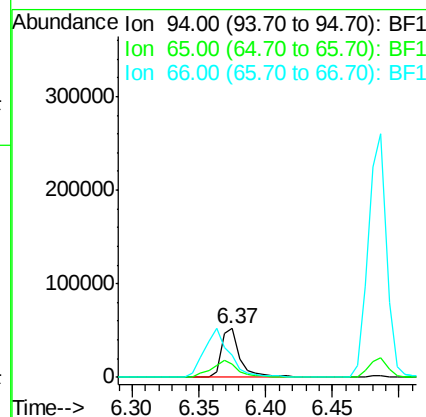
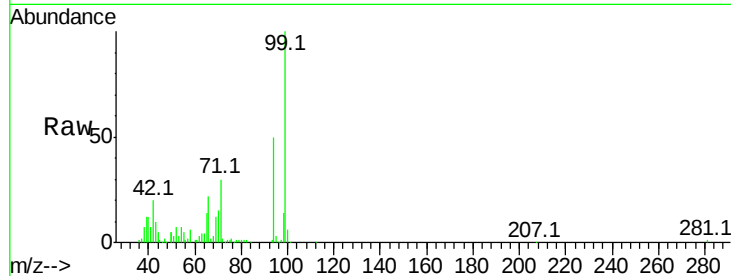
Tot Ion: 94 Resp: 53412

Ion Ratio Lower Upper

94 100

65 27.4 7.9 47.9

66 44.9 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 11.561 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.15 min

Lab File: BF102619.D

Acq: 30 Jan 2018 1:20

Tgt Ion: 70 Resp: 93887

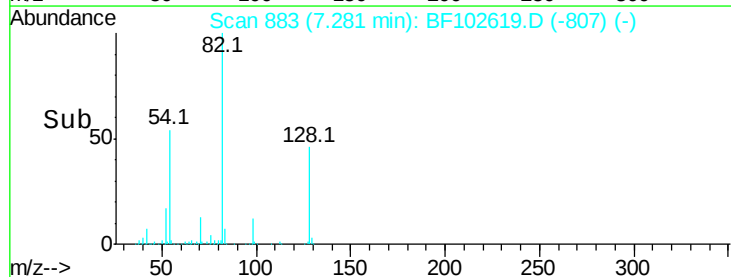
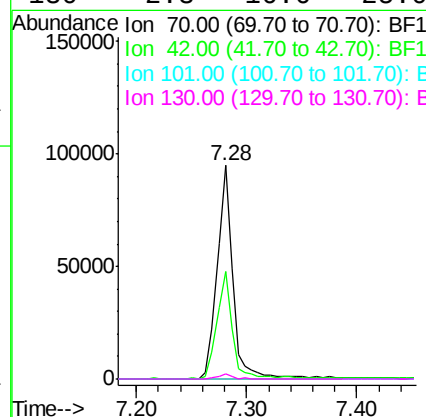
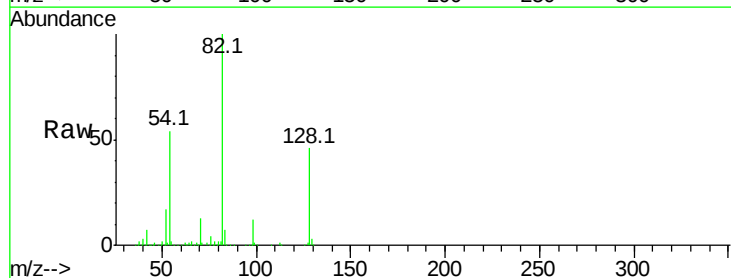
Ion Ratio Lower Upper

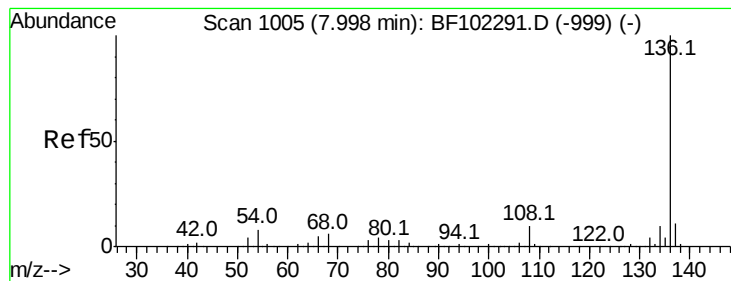
70 100

42 50.2 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 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: BF102619.D

Acq: 30 Jan 2018 1:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 615641

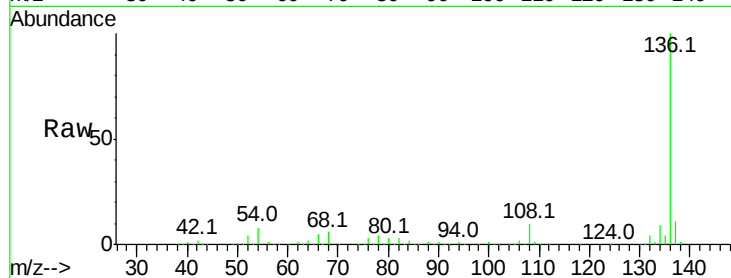
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 8.4 6.6 9.8

68 5.7 5.0 7.4

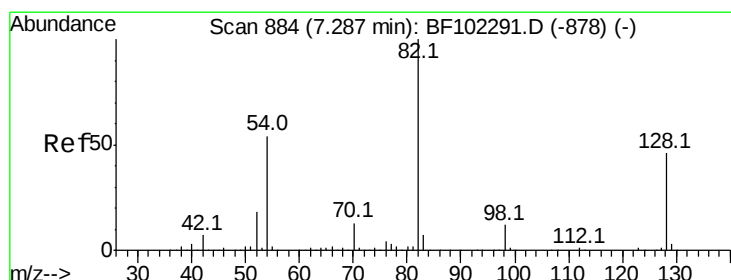
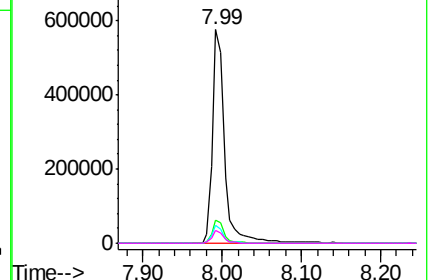
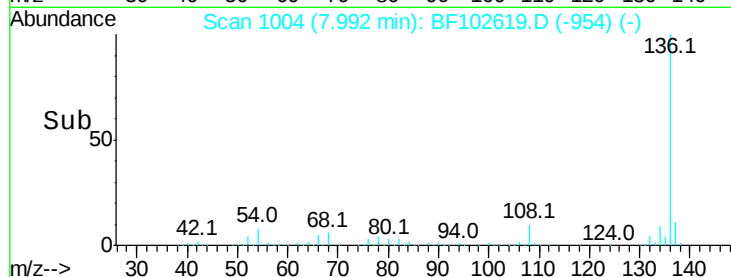


Abundance Ion 136.00 (135.70 to 136.70): E

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: 67.761 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF102619.D

Acq: 30 Jan 2018 1:20

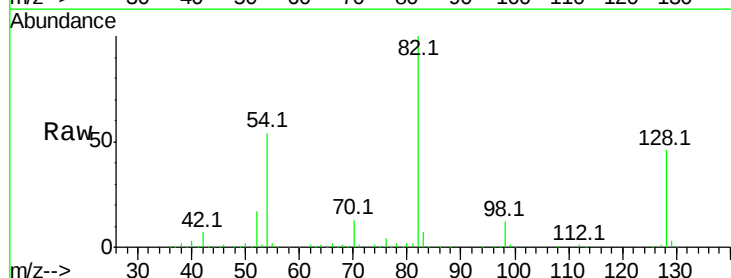
Tgt Ion: 82 Resp: 725920

Ion Ratio Lower Upper

82 100

128 46.1 36.1 54.1

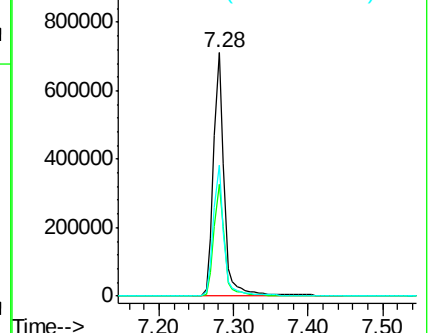
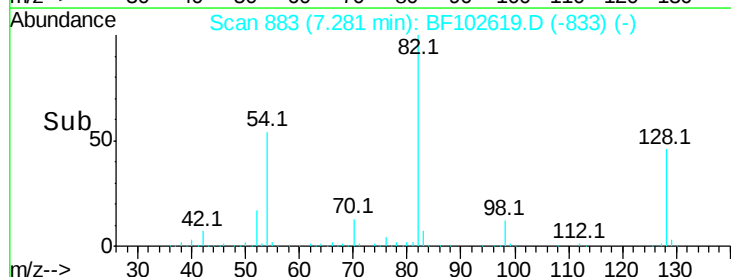
54 53.8 41.4 62.2

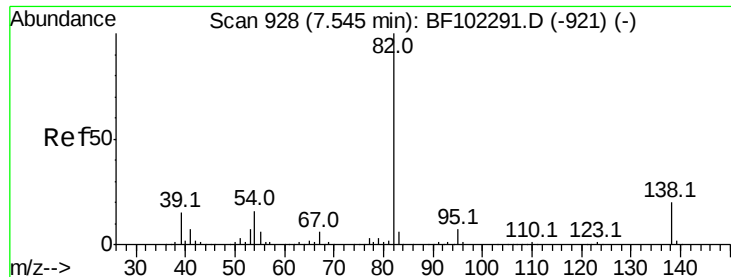


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 38.009 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF102619.D

Acq: 30 Jan 2018 1:20

Instrument :
BNA_F
ClientSampled :

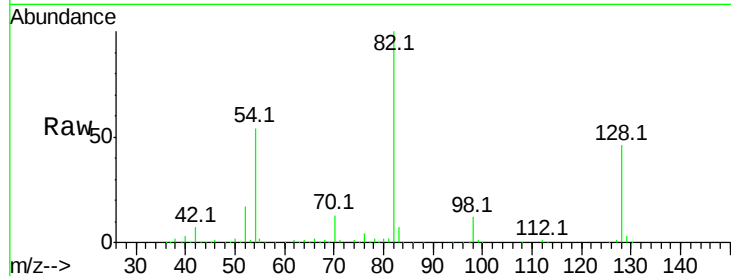
Tot Ion: 82 Resp: 725914

Ion Ratio Lower Upper

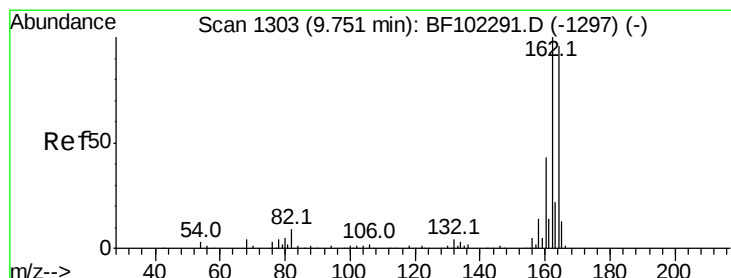
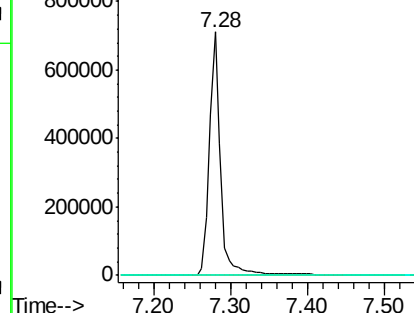
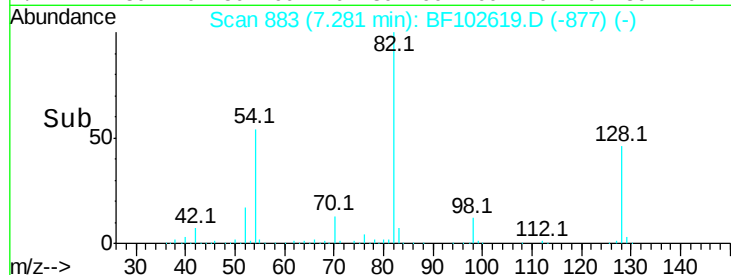
82 100

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: BF102619.D

Acq: 30 Jan 2018 1:20

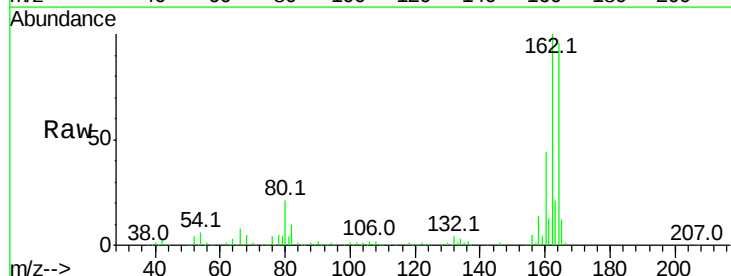
Tgt Ion:164 Resp: 260617

Ion Ratio Lower Upper

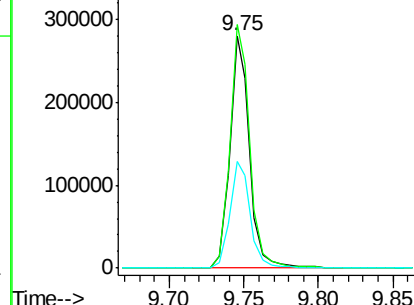
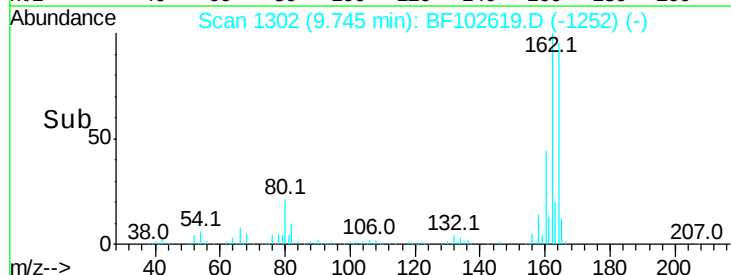
164 100

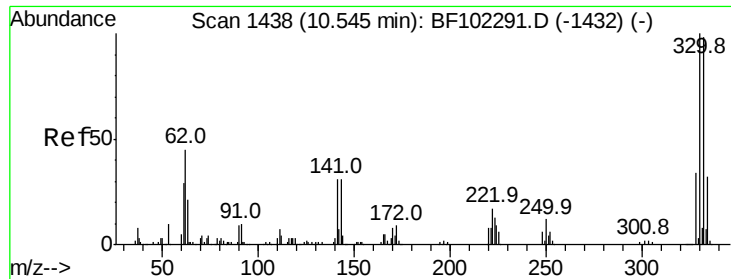
162 104.6 86.1 129.1

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

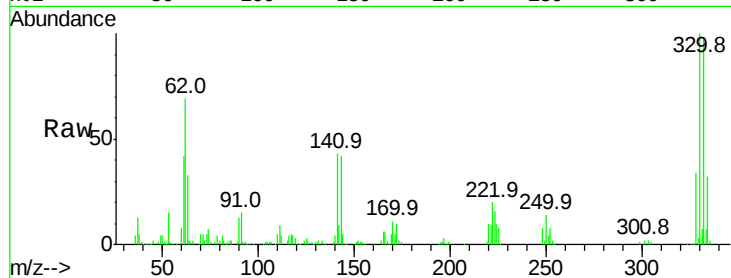




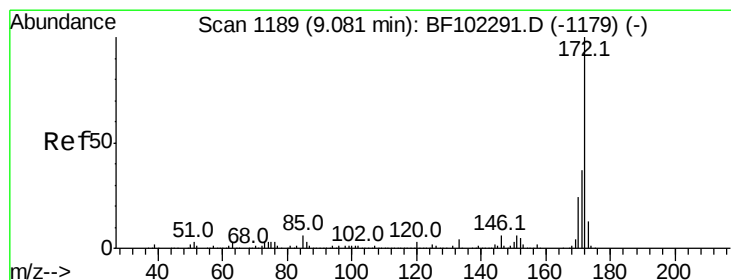
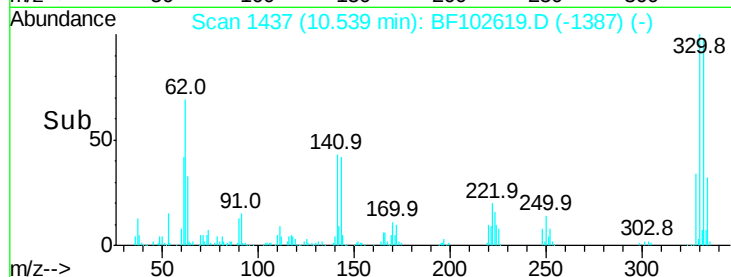
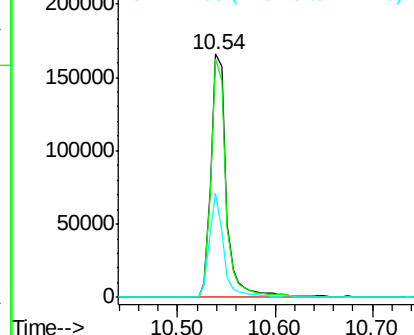
#41
 2,4,6-Tribromophenol
 Concen: 71.470 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102619.D
 Acq: 30 Jan 2018 1:20

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	38.7	29.9	44.9

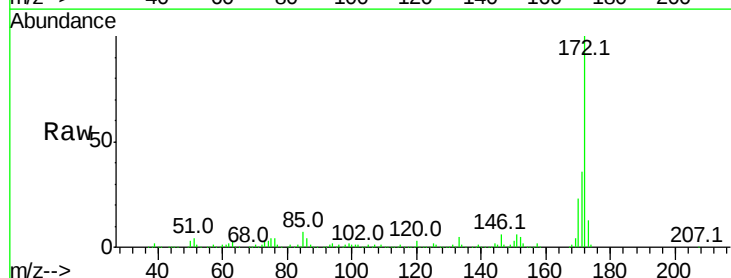


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

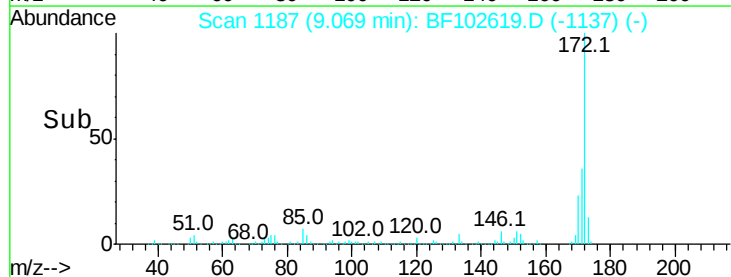
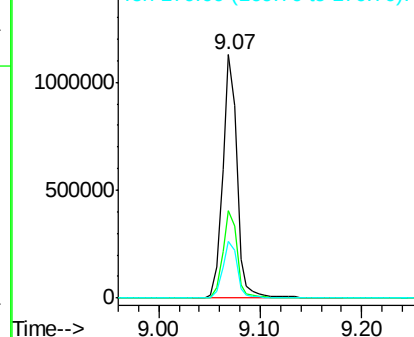


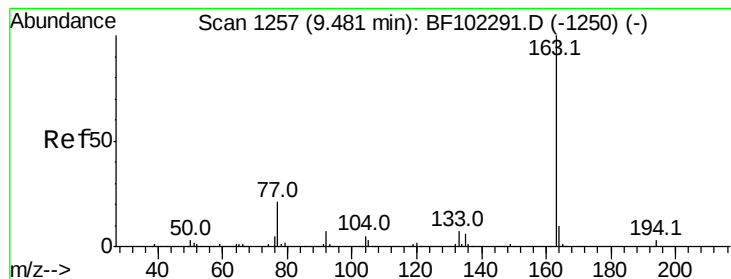
#44
 2-Fluorobiphenyl
 Concen: 62.596 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF102619.D
 Acq: 30 Jan 2018 1:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	23.5	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: 9.039 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BF102619.D

Acq: 30 Jan 2018 1:20

Instrument :

BNA_F

ClientSampled :

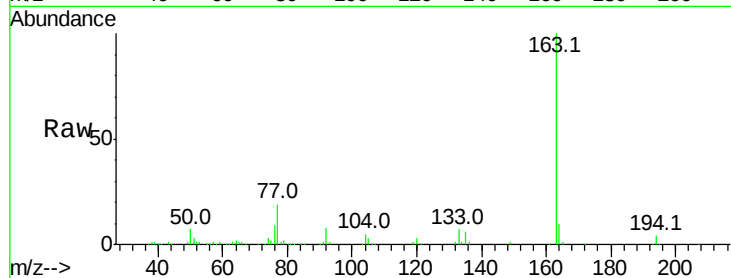
Tot Ion:163 Resp: 194722

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

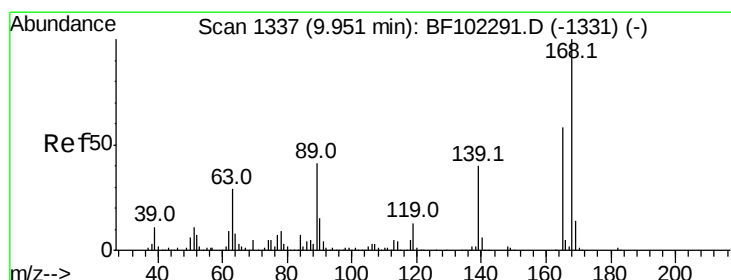
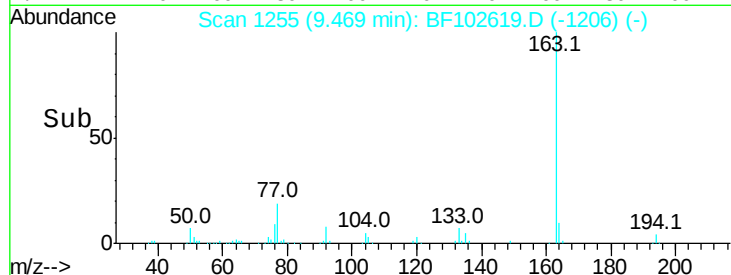
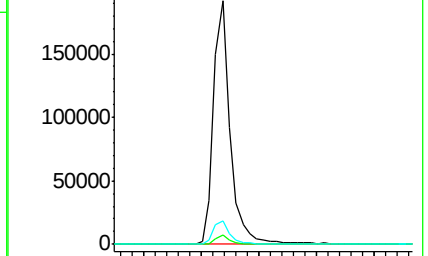
164 9.7 8.2 12.2



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: 5.789 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.21 min

Lab File: BF102619.D

Acq: 30 Jan 2018 1:20

Tgt Ion:165 Resp: 33061

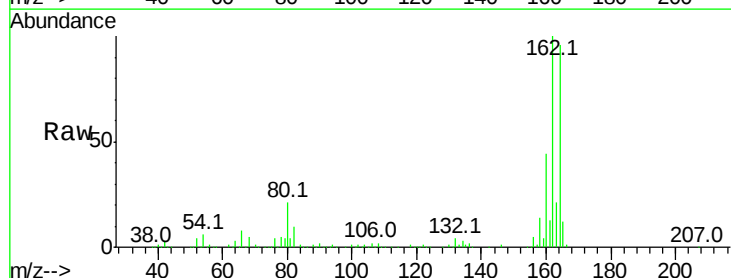
Ion Ratio Lower Upper

165 100

63 2.0 36.4 54.6#

89 1.3 57.8 86.6#

182 0.0 1.6 2.4#

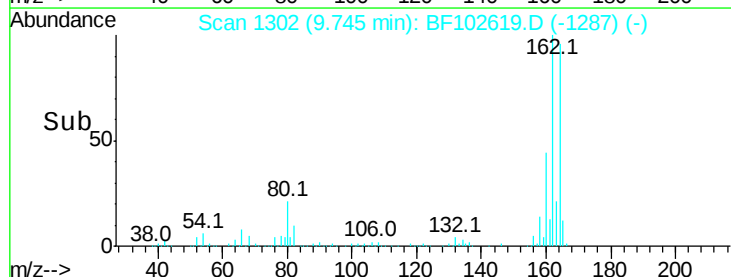
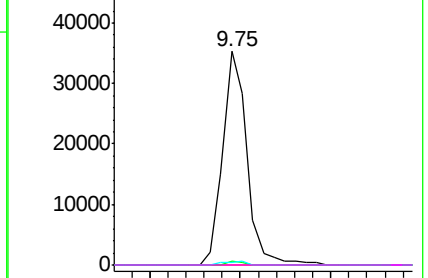


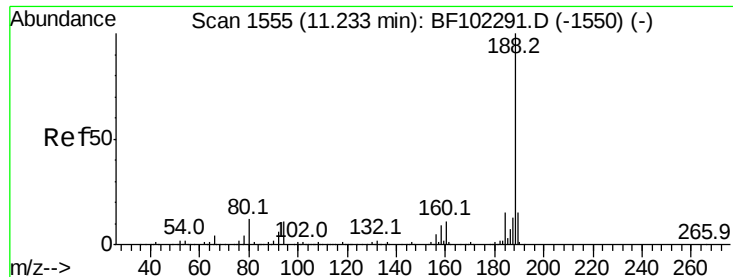
Abundance Ion 165.00 (164.70 to 165.70): E

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

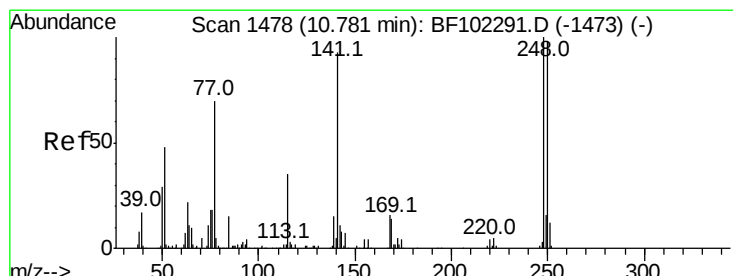
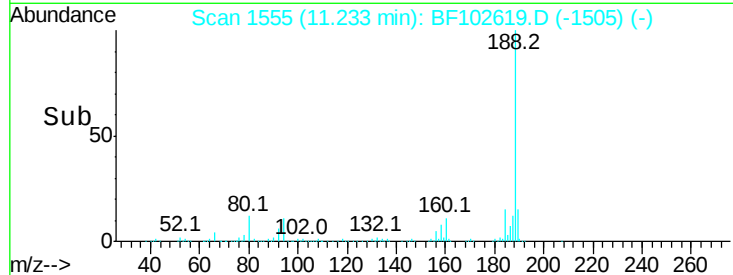
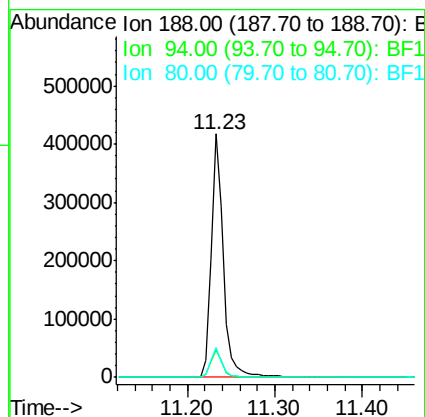
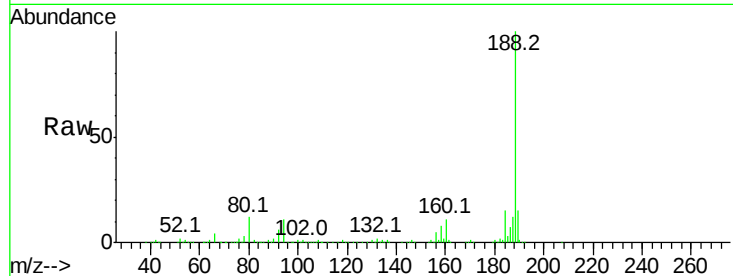




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102619.D
Acq: 30 Jan 2018 1:20

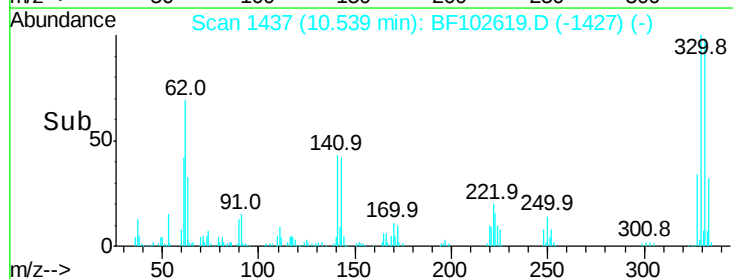
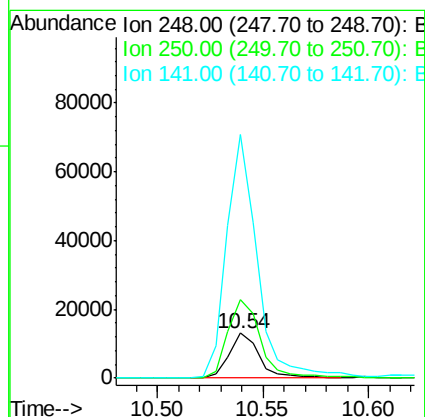
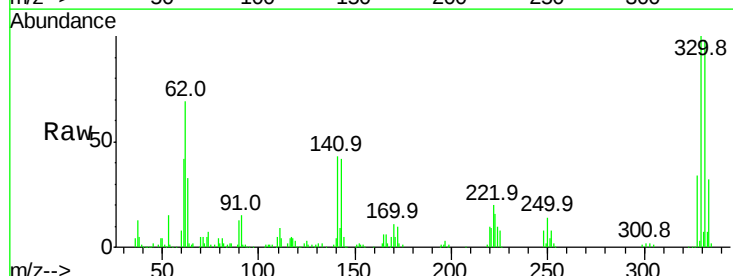
Instrument :
BNA_F
ClientSampled :

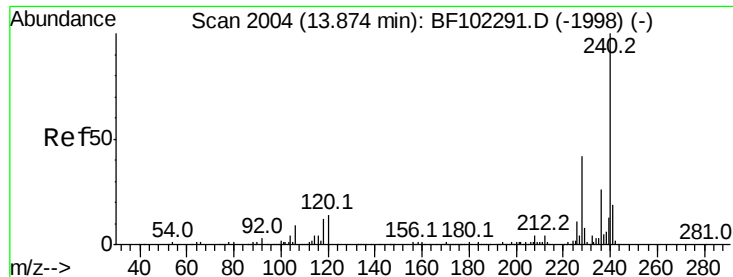
Tot Ion:188 Resp: 401251
Ion Ratio Lower Upper
188 100
94 11.2 8.5 12.7
80 12.3 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 2.927 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.24 min
Lab File: BF102619.D
Acq: 30 Jan 2018 1:20

Tgt Ion:248 Resp: 12641
Ion Ratio Lower Upper
248 100
250 175.0 76.9 115.3#
141 542.5 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: BF102619.D

Acq: 30 Jan 2018 1:20

Instrument :

BNA_F

ClientSampleId :

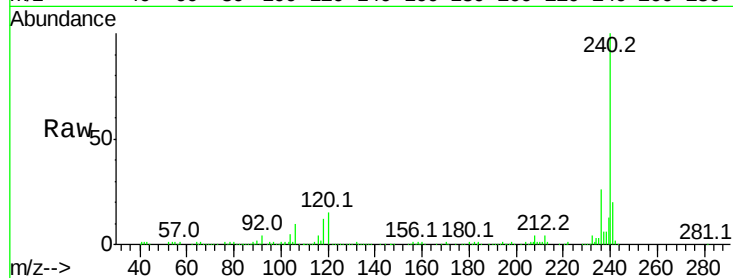
Tot Ion:240 Resp: 274606

Ion Ratio Lower Upper

240 100

120 14.7 9.5 14.3#

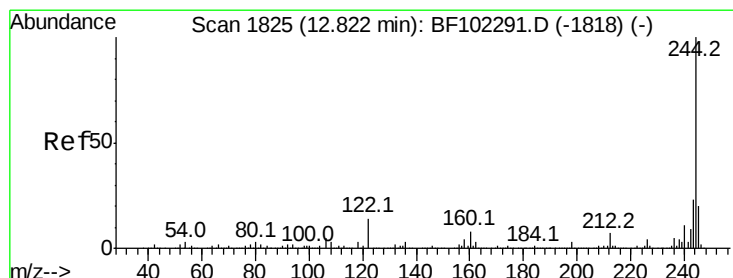
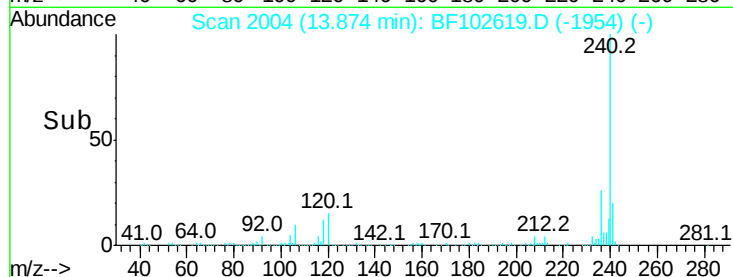
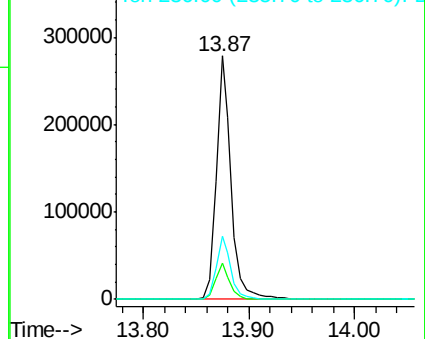
236 25.8 20.7 31.1



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: 56.800 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF102619.D

Acq: 30 Jan 2018 1:20

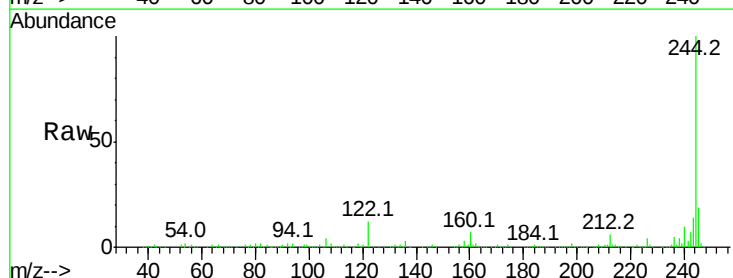
Tgt Ion:244 Resp: 691893

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

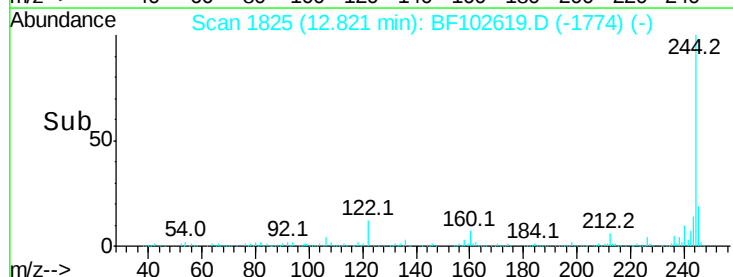
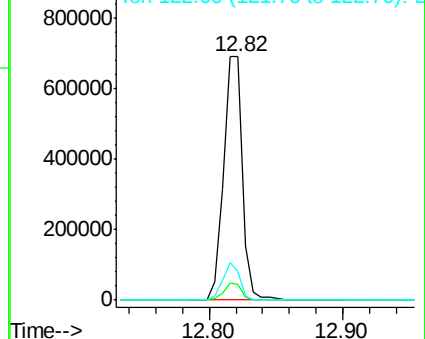
122 11.8 11.0 16.4

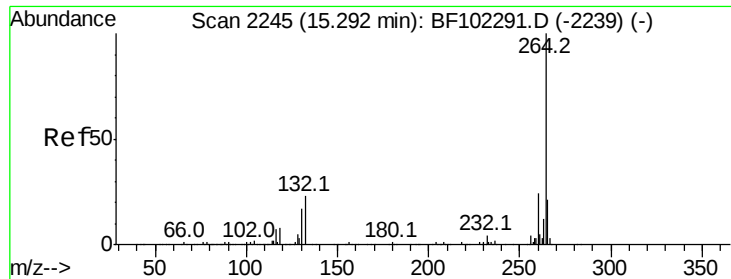


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.31 min Scan# 2248
Delta R.T. 0.01 min
Lab File: BF102619.D
Acq: 30 Jan 2018 1:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 264 Resp: 277681

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	20.6	17.5	26.3

