

Data Path : U:\HPCHEM1\BNA F\DATA\BF012818\
 Data File : BF102558.D
 Acq On : 28 Jan 2018 15:38
 Operator : SJ/JU
 Sample : J1344-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 29 03:14:19 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

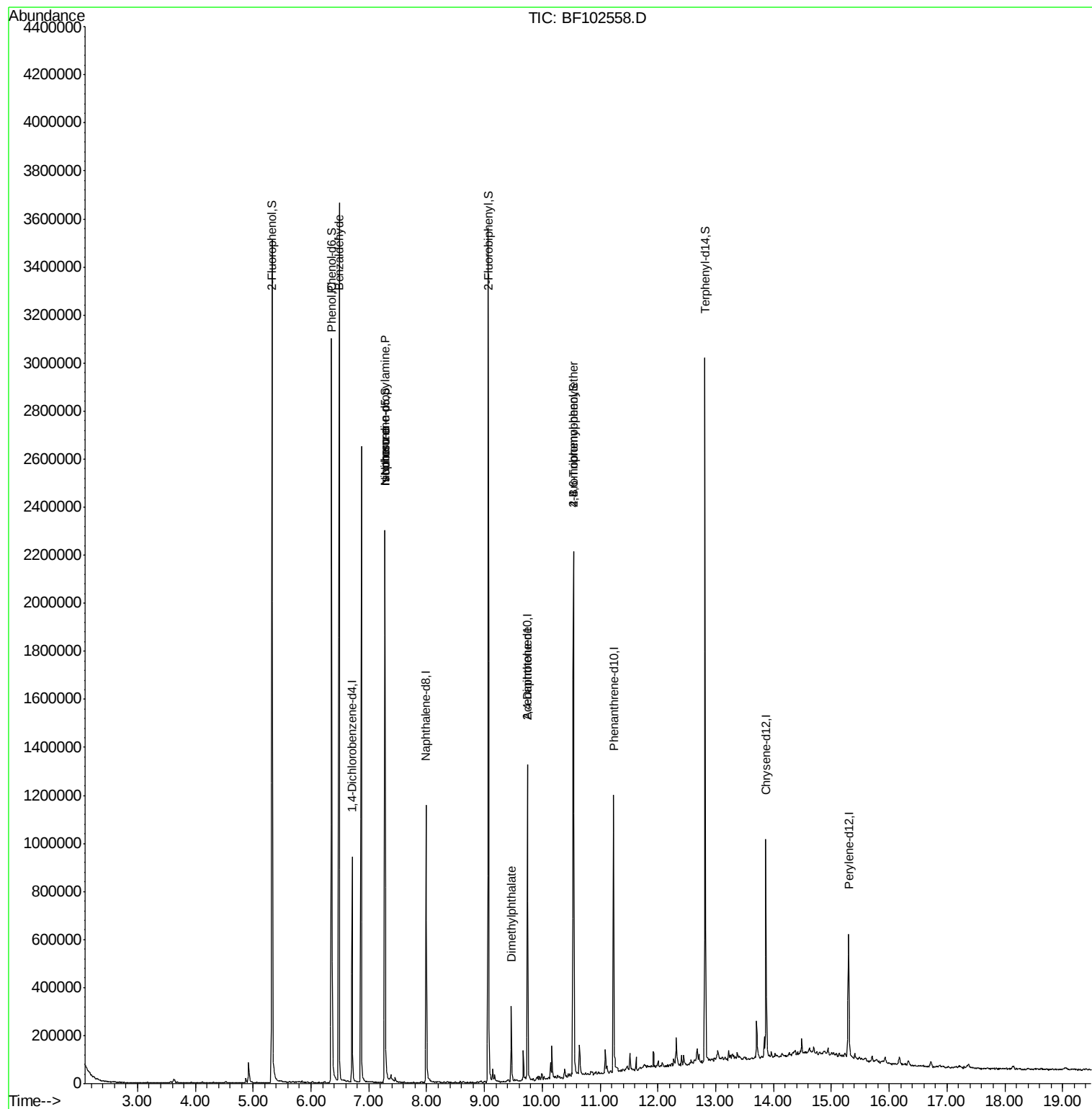
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	128956	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	553872	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	250566	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	441968	20.00	ng	0.00
75) Chrysene-d12	13.87	240	315122	20.00	ng	-0.01
86) Perylene-d12	15.30	264	222988	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1095449	128.80	ng	0.00
7) Phenol-d6	6.36	99	1316998	128.45	ng	0.00
23) Nitrobenzene-d5	7.28	82	810332	84.08	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	258134	103.97	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1140614	66.93	ng	0.00
78) Terphenyl-d14	12.82	244	1098846	78.61	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.49	77	21762	3.049	ng	89
10) Phenol	6.37	94	23278	2.080	ng	84
19) n-Nitroso-di-n-propylamine	7.28	70	107133	17.074	ng	# 80
25) Isophorone	7.28	82	810326	47.160	ng	# 64
49) Dimethylphthalate	9.46	163	123656	5.971	ng	99
56) 2,4-Dinitrotoluene	9.75	165	31351	5.709	ng	# 23
66) 4-Bromophenyl-phenylether	10.54	248	18226	3.831	ng	# 1

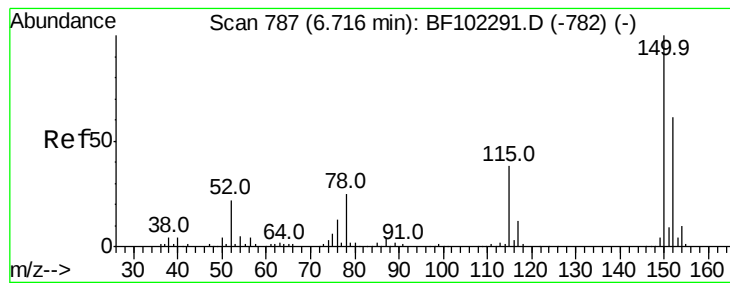
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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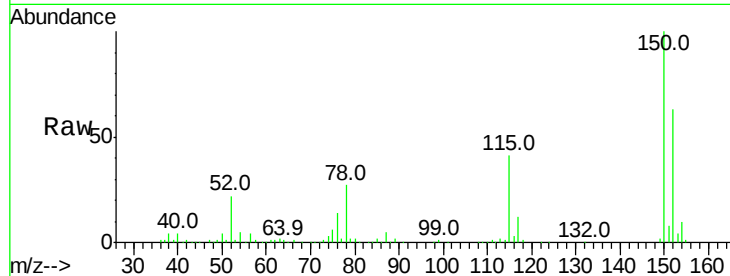


#1

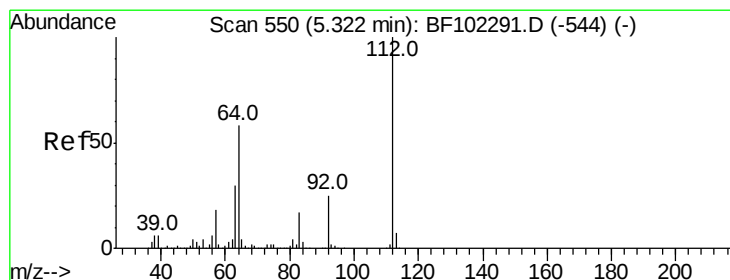
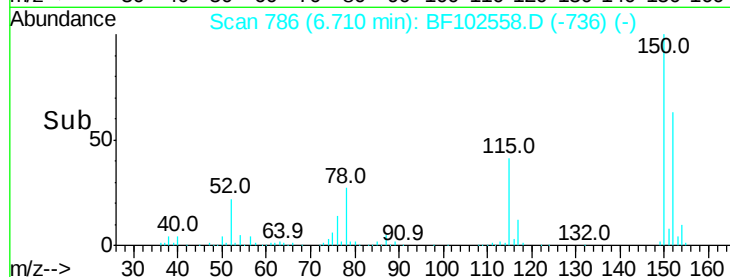
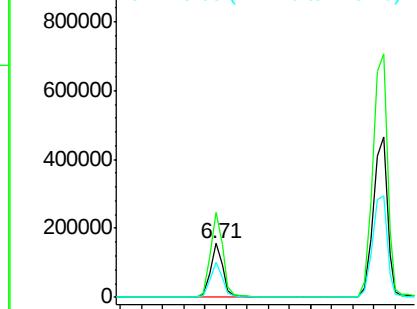
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF102558.D
Acq: 28 Jan 2018 15:38

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 128956
Ion Ratio Lower Upper
152 100
150 159.4 124.6 186.8
115 65.6 50.1 75.1



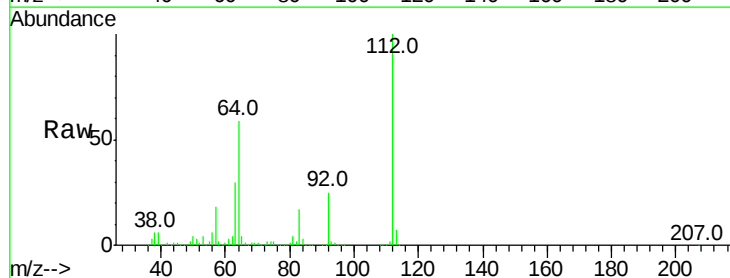
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



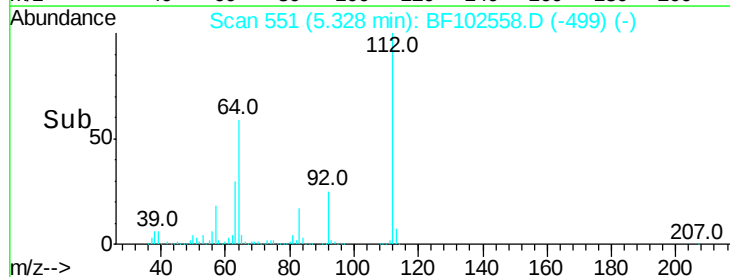
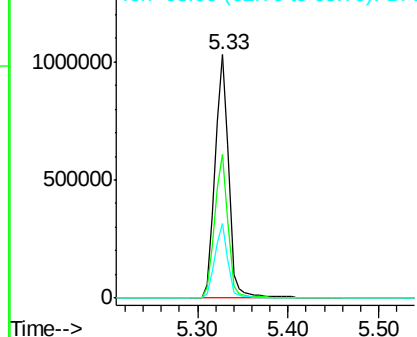
#5

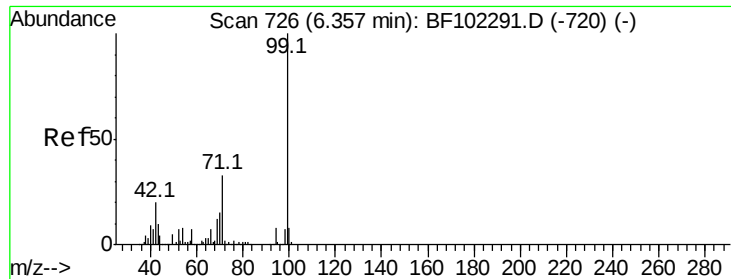
2-Fluorophenol
Concen: 128.803 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102558.D
Acq: 28 Jan 2018 15:38

Tgt Ion:112 Resp: 1095449
Ion Ratio Lower Upper
112 100
64 59.2 47.9 71.9
63 30.5 23.7 35.5



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





#7

Phenol-d6

Concen: 128.445 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF102558.D

Acq: 28 Jan 2018 15:38

Instrument :

BNA_F

ClientSampled :

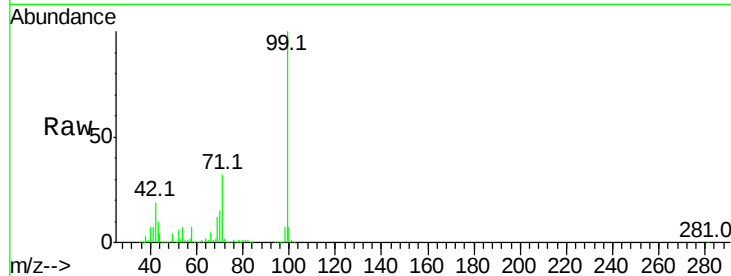
Tot Ion: 99 Resp: 1316998

Ion Ratio Lower Upper

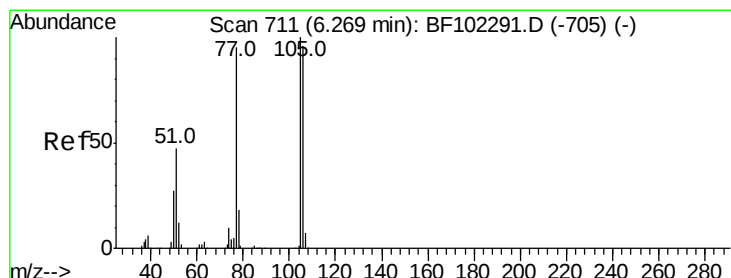
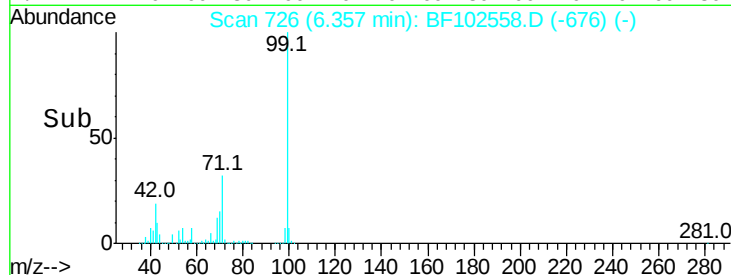
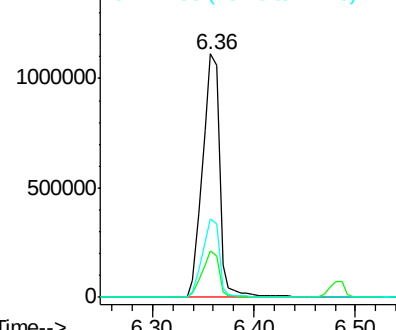
99 100

42 19.2 14.5 21.7

71 32.4 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: 3.049 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.22 min

Lab File: BF102558.D

Acq: 28 Jan 2018 15:38

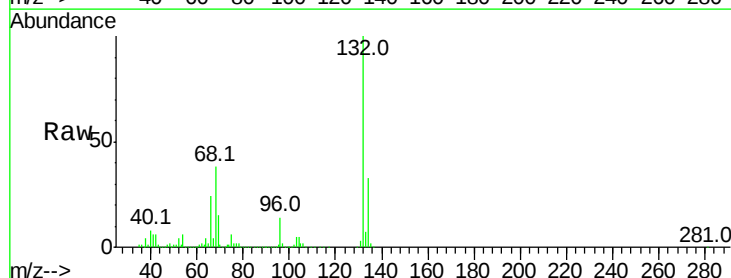
Tgt Ion: 77 Resp: 21762

Ion Ratio Lower Upper

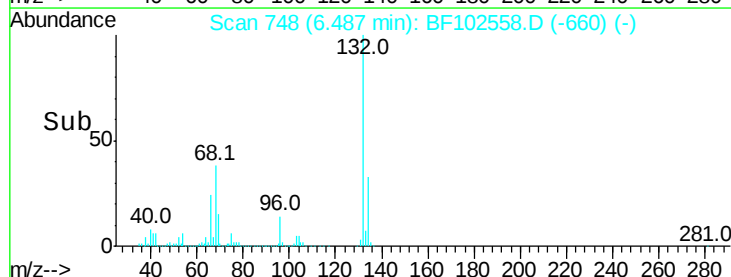
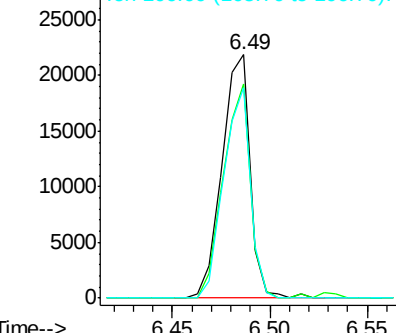
77 100

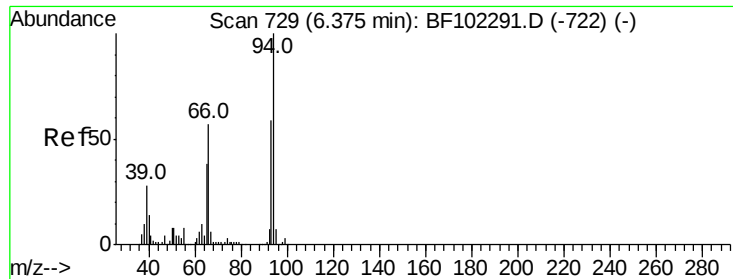
105 88.2 81.1 121.1

106 86.4 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





#10

Phenol

Concen: 2.080 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF102558.D

Acq: 28 Jan 2018 15:38

Instrument :

BNA_F

ClientSampleId :

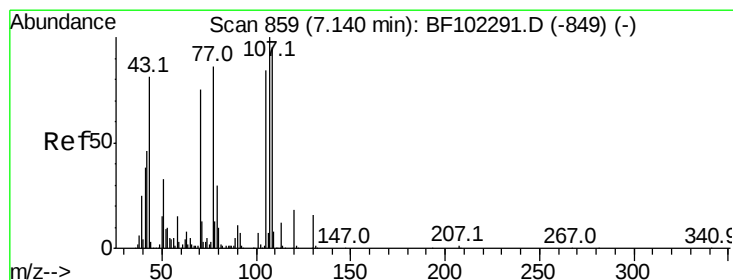
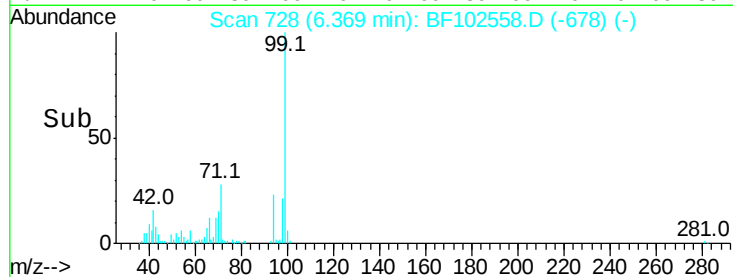
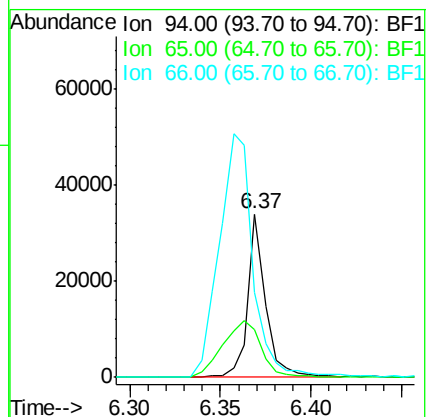
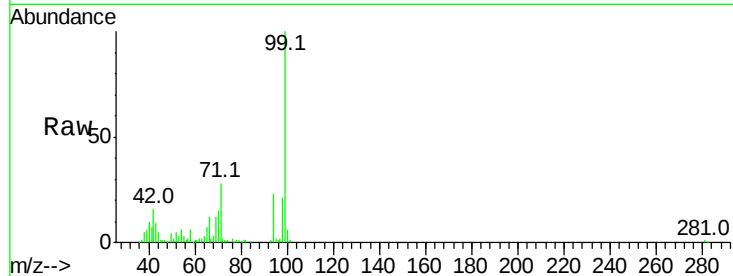
Tot Ion: 94 Resp: 23278

Ion Ratio Lower Upper

94 100

65 29.1 7.9 47.9

66 51.8 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 17.074 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.15 min

Lab File: BF102558.D

Acq: 28 Jan 2018 15:38

Tgt Ion: 70 Resp: 107133

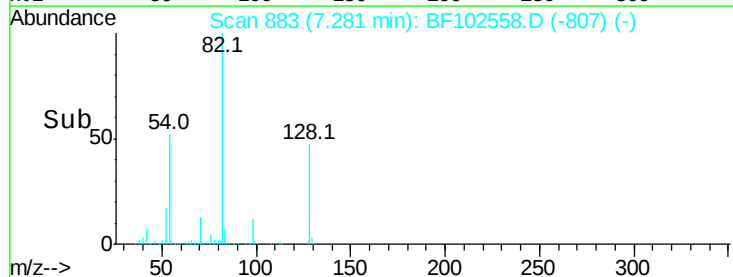
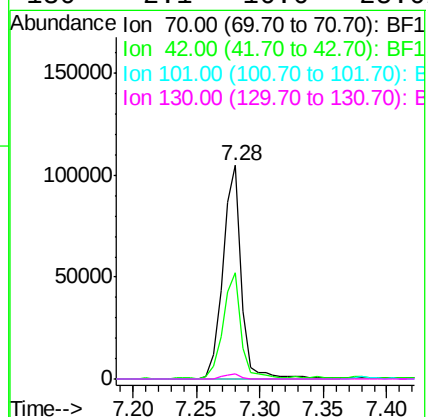
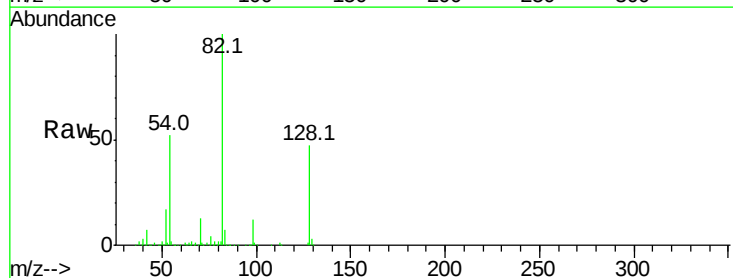
Ion Ratio Lower Upper

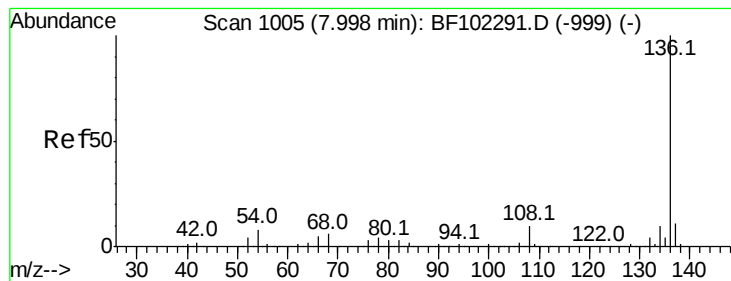
70 100

42 49.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 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: BF102558.D

Acq: 28 Jan 2018 15:38

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 553872

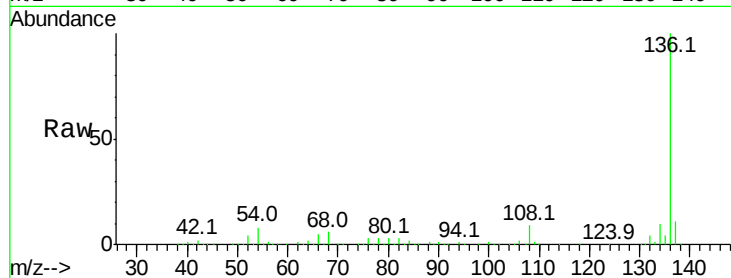
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.8 6.6 9.8

68 6.0 5.0 7.4

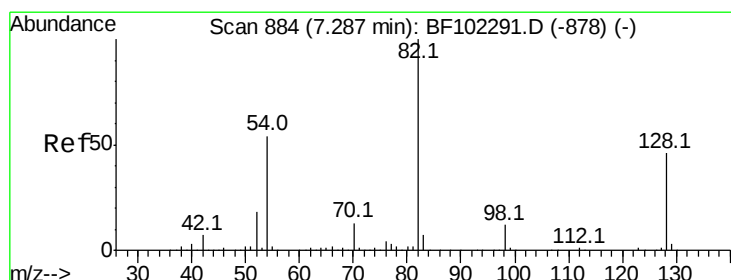
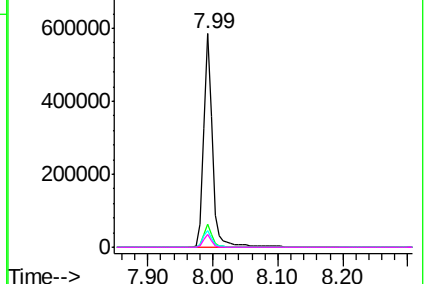
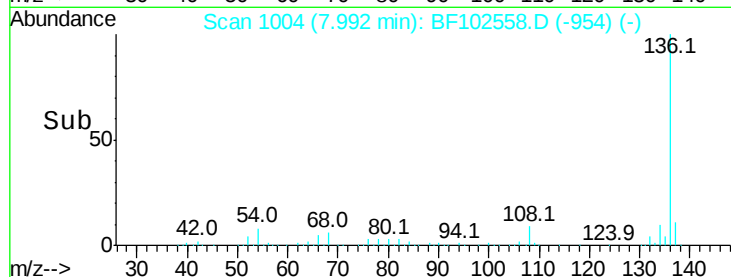


Abundance Ion 136.00 (135.70 to 136.70): E

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: 84.076 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF102558.D

Acq: 28 Jan 2018 15:38

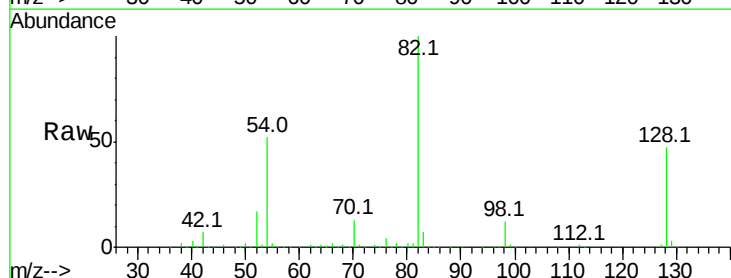
Tgt Ion: 82 Resp: 810332

Ion Ratio Lower Upper

82 100

128 47.1 36.1 54.1

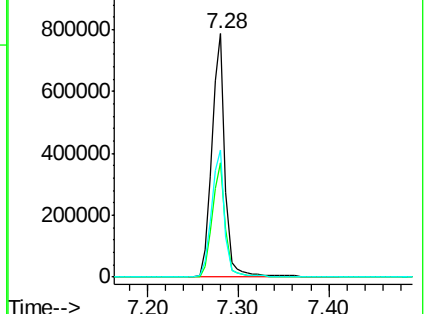
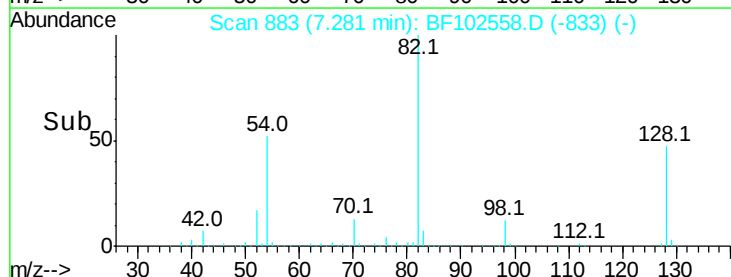
54 52.1 41.4 62.2

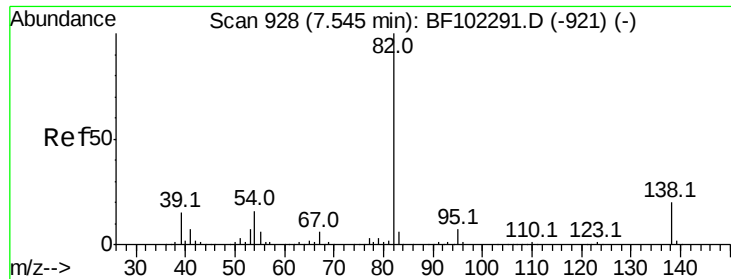


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 47.160 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF102558.D

Acq: 28 Jan 2018 15:38

Instrument :

BNA_F

ClientSampleId :

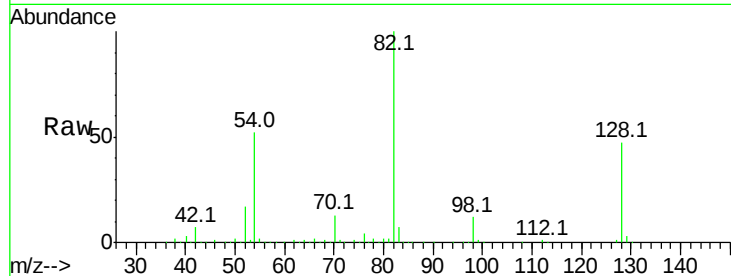
Tot Ion: 82 Resp: 810326

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

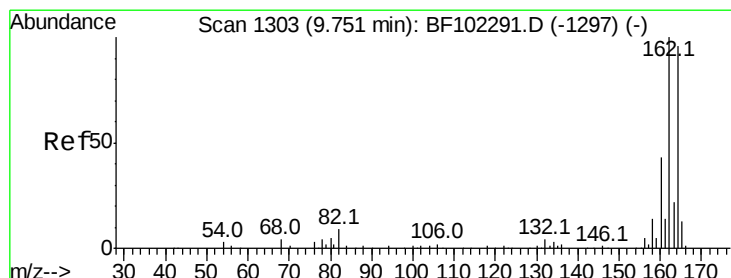
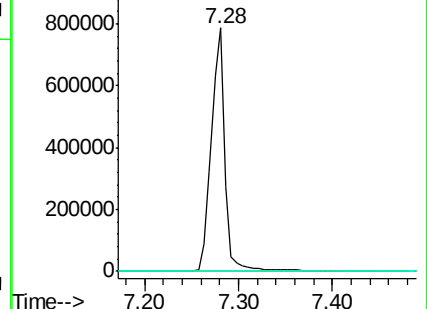
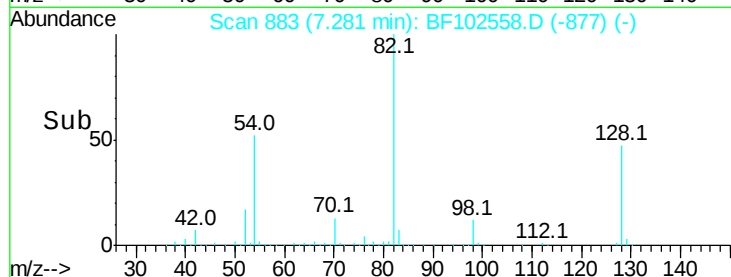
138 0.0 14.9 22.3#



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: BF102558.D

Acq: 28 Jan 2018 15:38

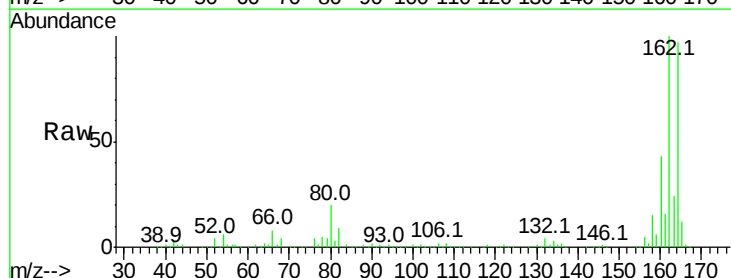
Tgt Ion:164 Resp: 250566

Ion Ratio Lower Upper

164 100

162 103.3 86.1 129.1

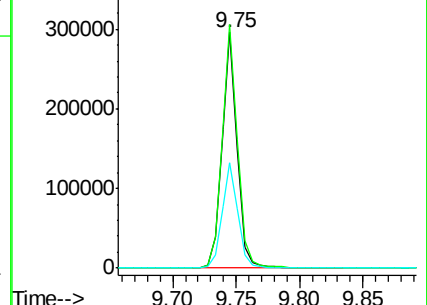
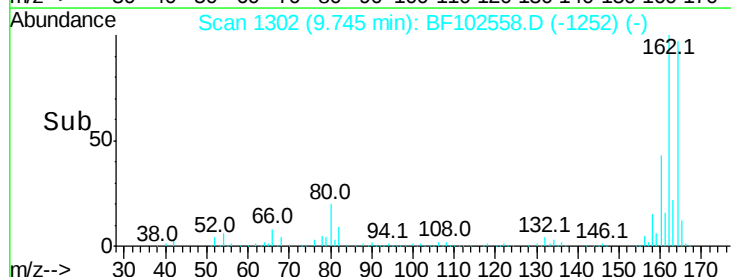
160 44.8 38.3 57.5

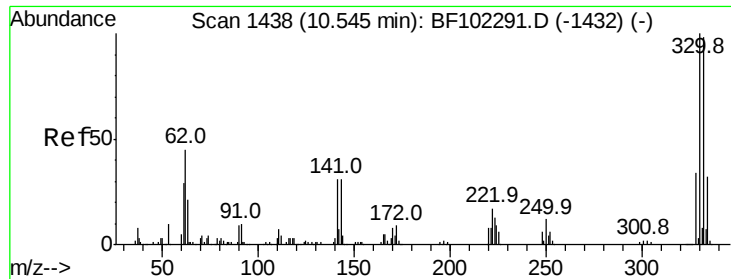


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

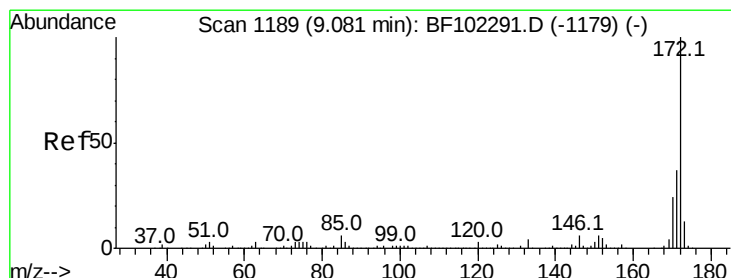
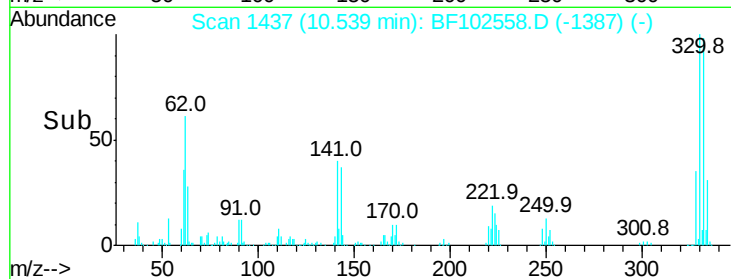
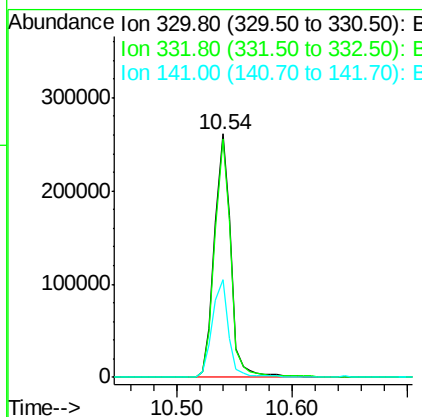
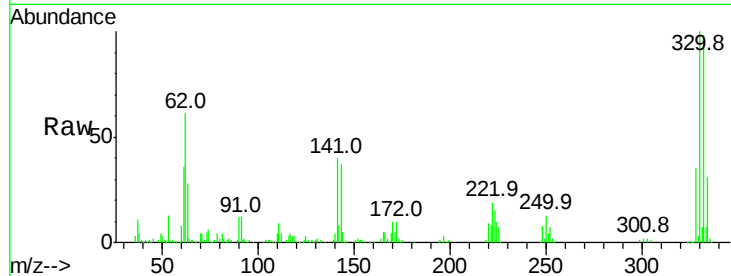




#41
 2,4,6-Tribromophenol
 Concen: 103.971 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102558.D
 Acq: 28 Jan 2018 15:38

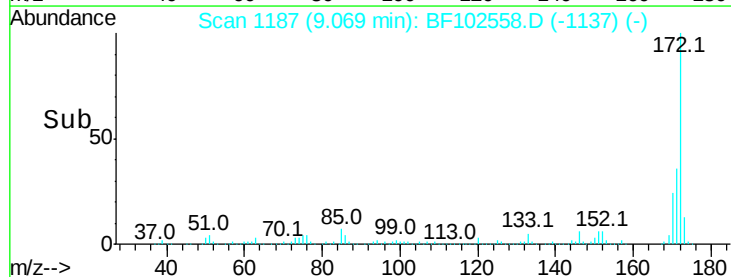
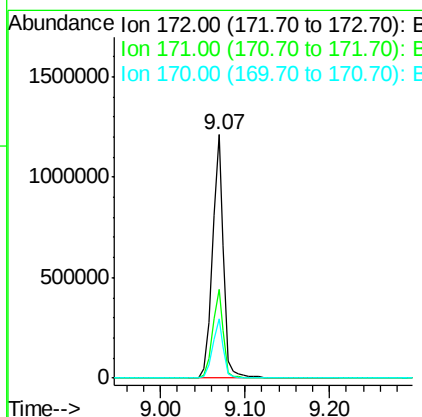
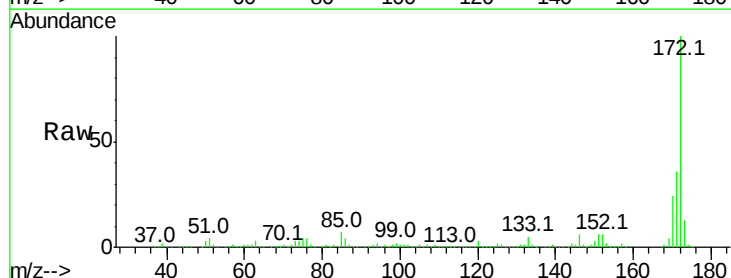
Instrument :
 BNA_F
 ClientSampleId :

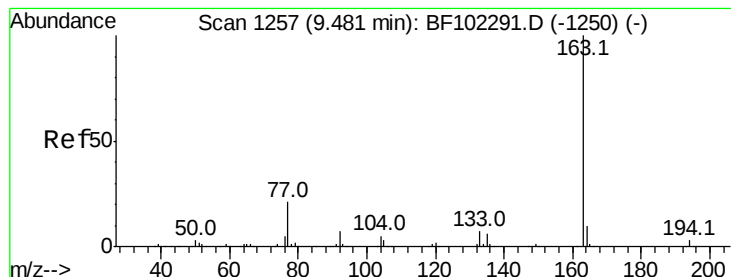
Tot Ion:330 Resp: 258134
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.0 115.6
 141 40.1 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 66.933 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF102558.D
 Acq: 28 Jan 2018 15:38

Tgt Ion:172 Resp: 1140614
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.7 44.5
 170 24.3 19.6 29.4





#49

Dimethylphthalate

Concen: 5.971 ng

RT: 9.46 min Scan# 1254

Delta R.T. -0.02 min

Lab File: BF102558.D

Acq: 28 Jan 2018 15:38

Instrument :

BNA_F

ClientSampleId :

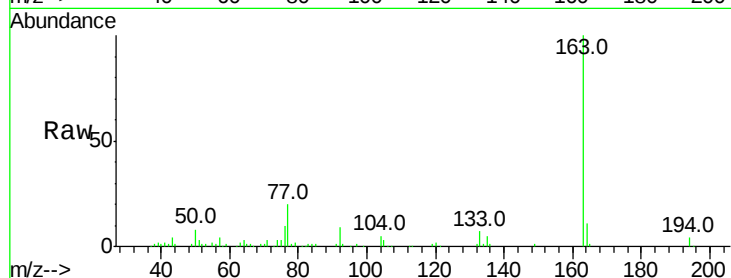
Tot Ion:163 Resp: 123656

Ion Ratio Lower Upper

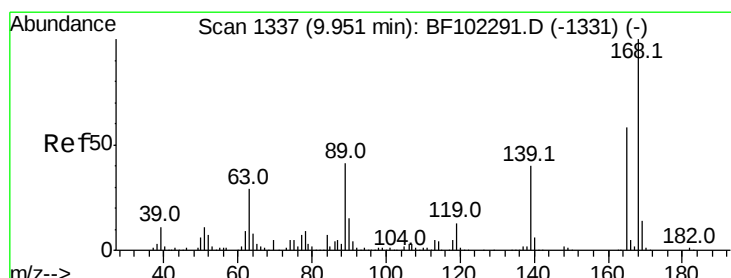
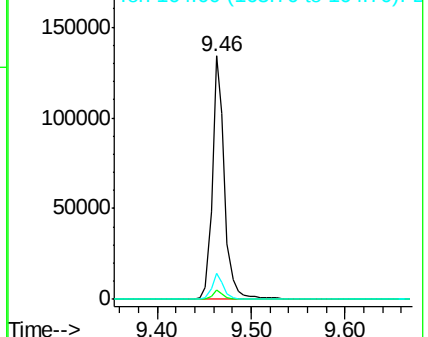
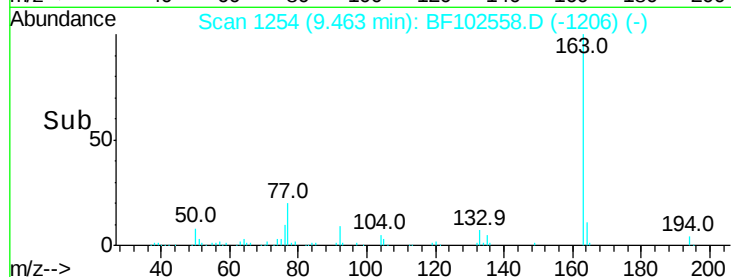
163 100

194 3.6 2.7 4.1

164 10.6 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



#56

2,4-Dinitrotoluene

Concen: 5.709 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.21 min

Lab File: BF102558.D

Acq: 28 Jan 2018 15:38

Tgt Ion:165 Resp: 31351

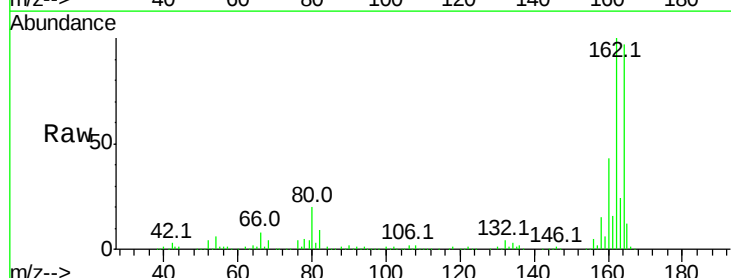
Ion Ratio Lower Upper

165 100

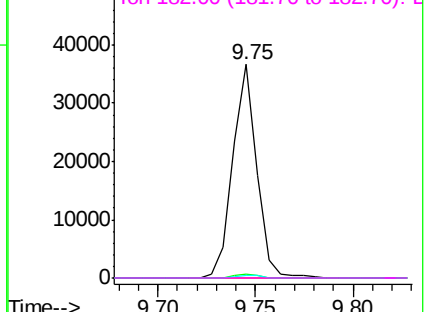
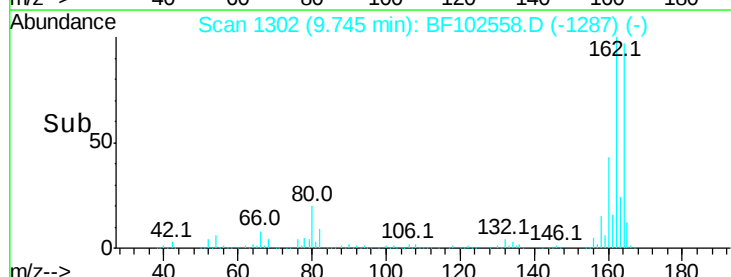
63 1.6 36.4 54.6#

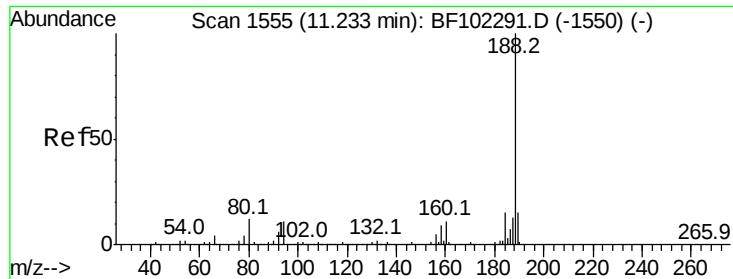
89 1.3 57.8 86.6#

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

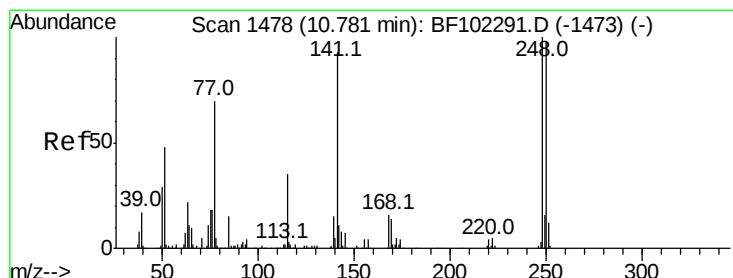
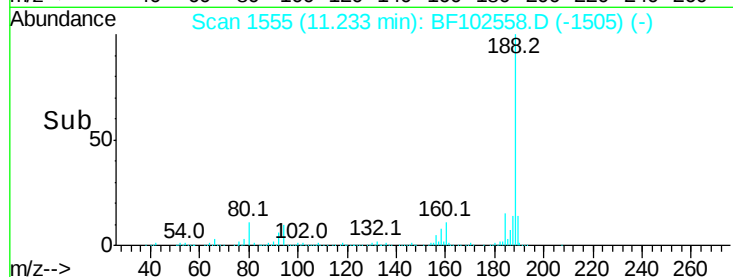
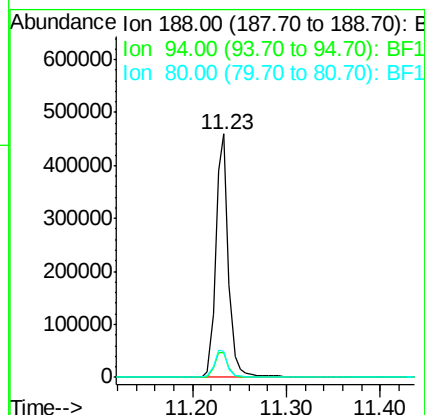
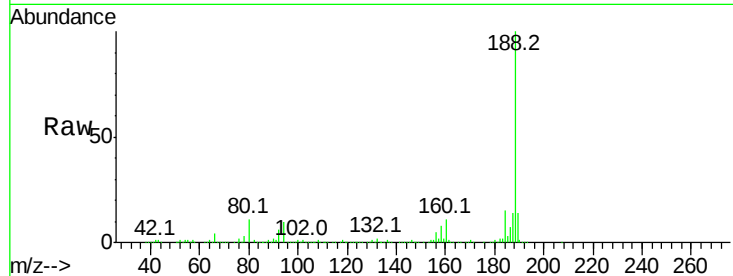




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102558.D
Acq: 28 Jan 2018 15:38

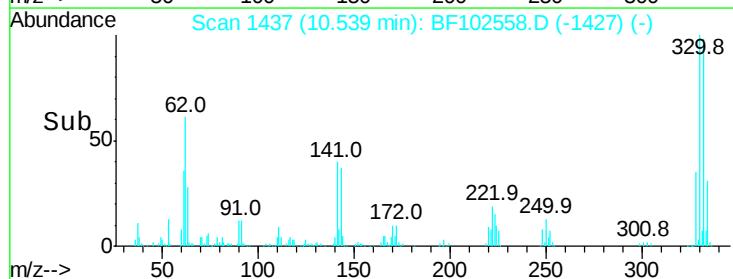
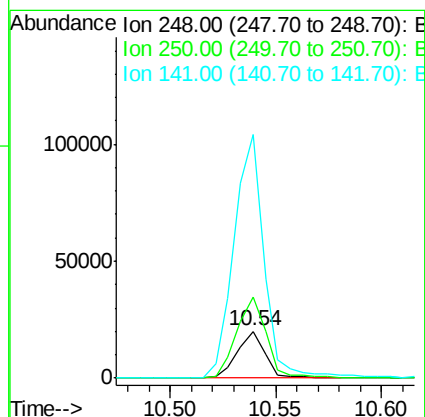
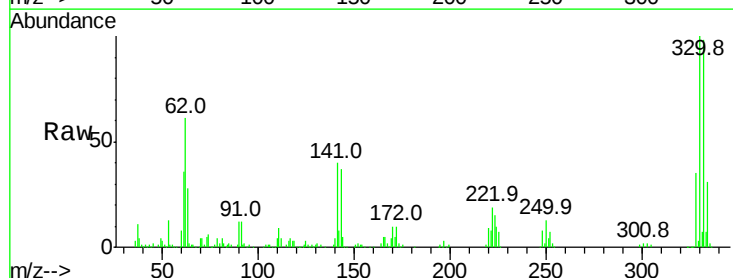
Instrument :
BNA_F
ClientSampleId :

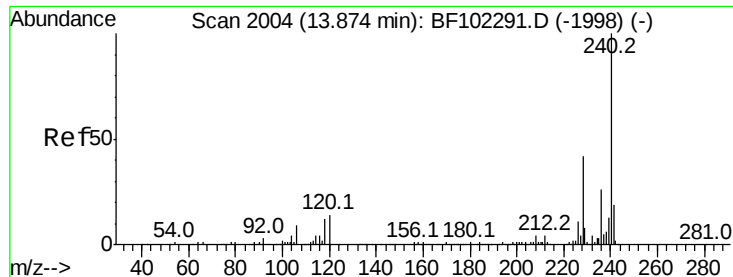
Tot Ion:188 Resp: 441968
Ion Ratio Lower Upper
188 100
94 10.3 8.5 12.7
80 10.9 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 3.831 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.24 min
Lab File: BF102558.D
Acq: 28 Jan 2018 15:38

Tgt Ion:248 Resp: 18226
Ion Ratio Lower Upper
248 100
250 174.1 76.9 115.3#
141 518.9 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: BF102558.D

Acq: 28 Jan 2018 15:38

Instrument :

BNA_F

ClientSampleId :

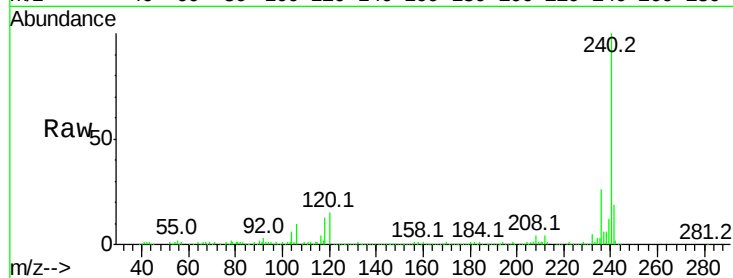
Tot Ion:240 Resp: 315122

Ion Ratio Lower Upper

240 100

120 15.1 9.5 14.3#

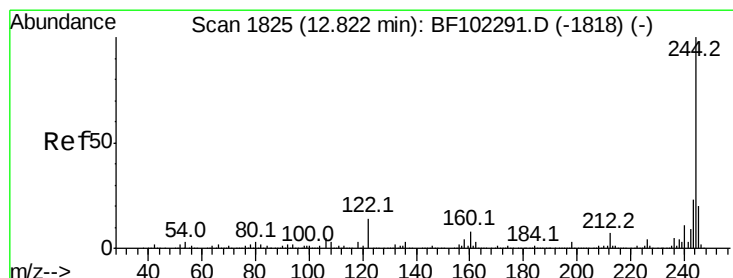
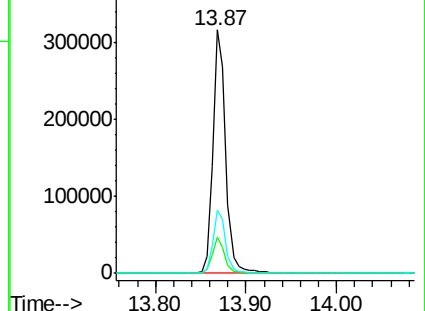
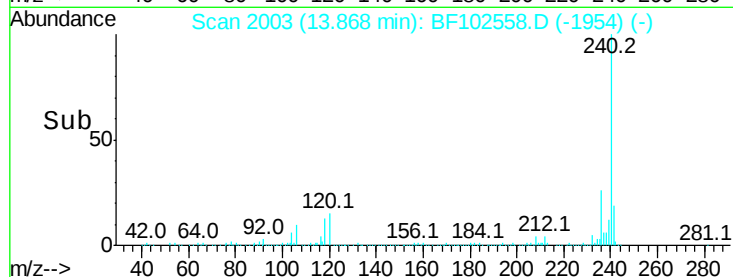
236 25.8 20.7 31.1



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: 78.611 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BF102558.D

Acq: 28 Jan 2018 15:38

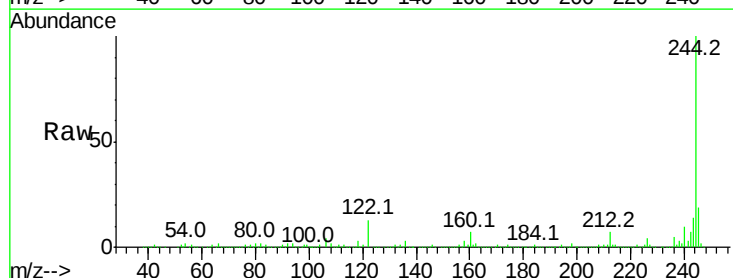
Tgt Ion:244 Resp: 1098846

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

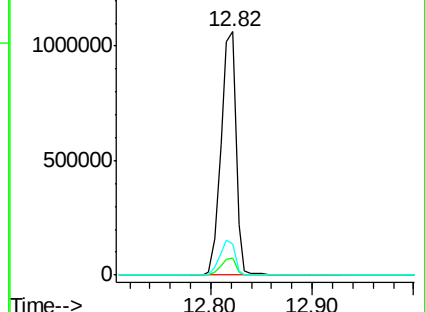
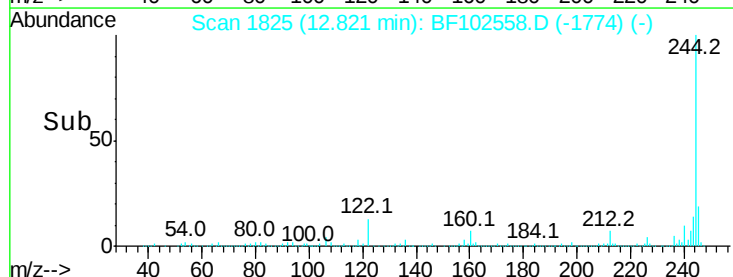
122 12.6 11.0 16.4

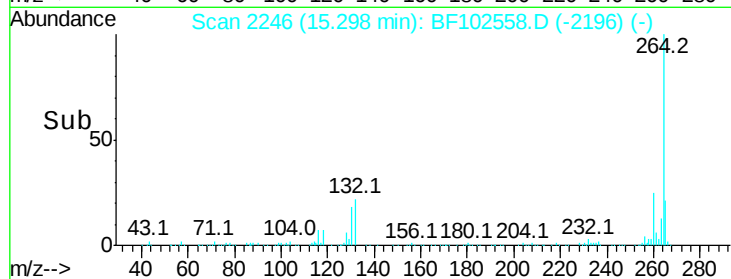
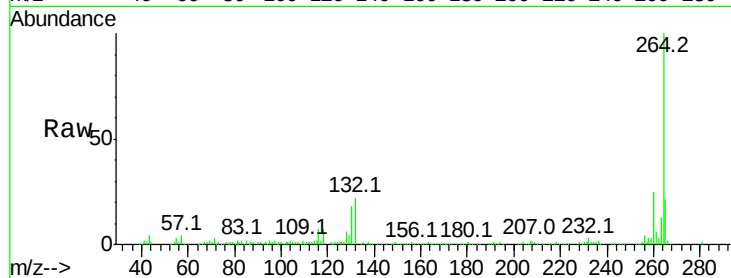
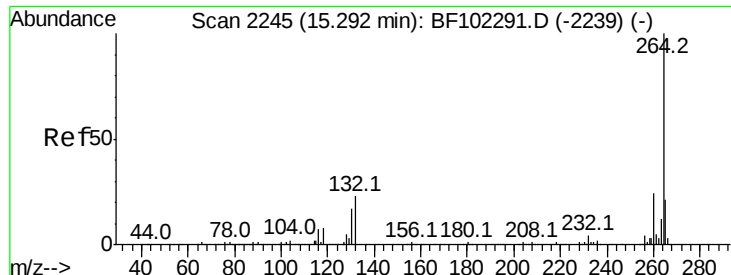


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.30 min Scan# 2246
 Delta R.T. -0.01 min
 Lab File: BF102558.D
 Acq: 28 Jan 2018 15:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	222988
Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	21.3	17.5	26.3

