

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122917\
 Data File : BF101827.D
 Acq On : 29 Dec 2017 14:21
 Operator : SJ/JU
 Sample : I7023-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 29 15:16:55 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 29 13:21:45 2017
 Response via : Initial Calibration

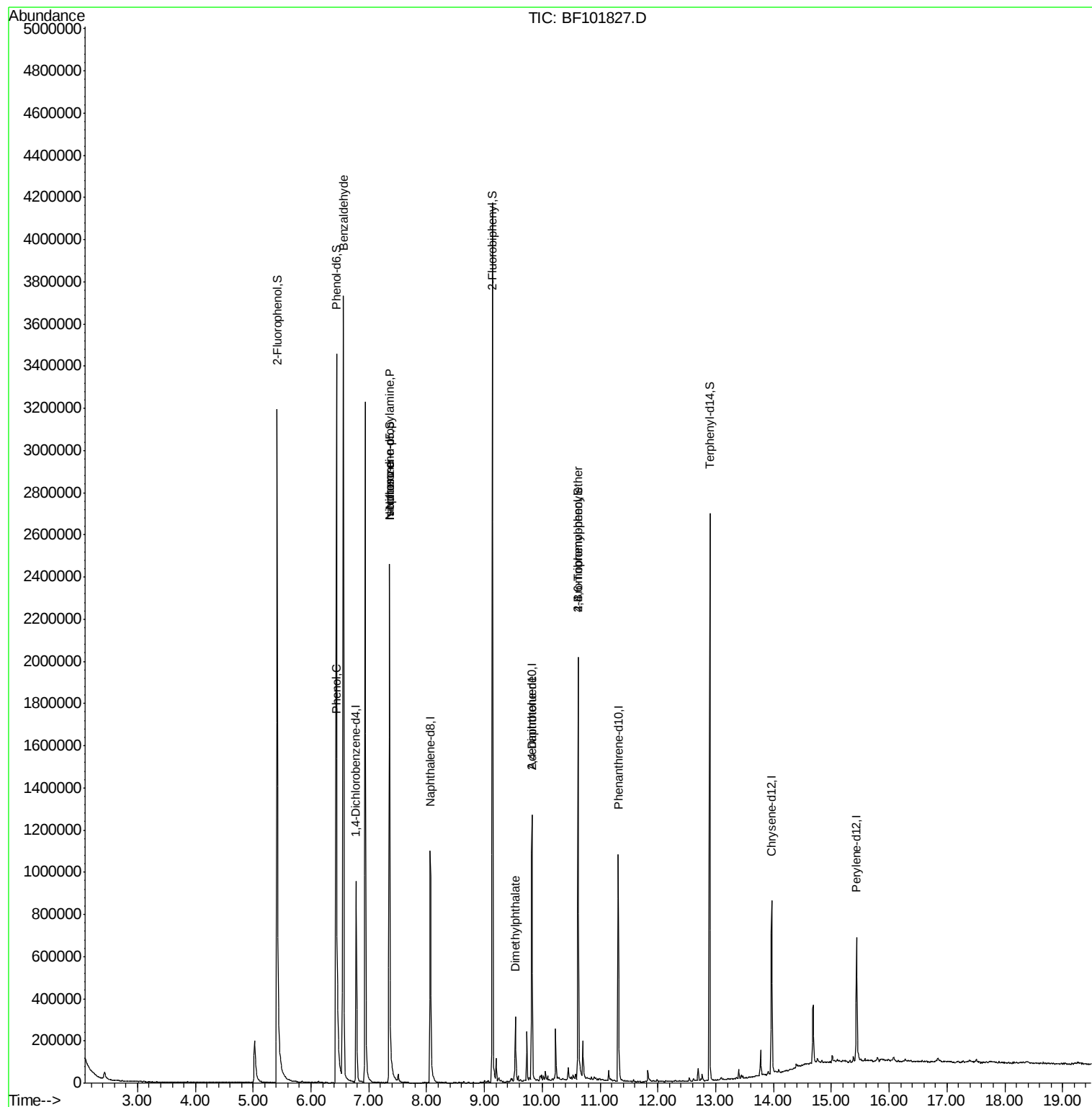
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	164696	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	622306	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	254392	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	410010	20.00	ng	0.00
75) Chrysene-d12	13.97	240	299545	20.00	ng	0.00
86) Perylene-d12	15.44	264	302666	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1329737	120.27	ng	0.01
7) Phenol-d6	6.44	99	1557204	113.17	ng	0.00
23) Nitrobenzene-d5	7.36	82	1006200	90.01	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	288936	117.87	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1434850	87.49	ng	0.00
78) Terphenyl-d14	12.90	244	1016026	81.77	ng	0.00
Target Compounds						
9) Benzaldehyde	6.56	77	26489	2.607	ng	81
10) Phenol	6.45	94	83620	5.332	ng	91
19) n-Nitroso-di-n-propylamine	7.36	70	132752	14.690	ng	# 82
25) Isophorone	7.36	82	1006200	44.867	ng	# 64
49) Dimethylphthalate	9.54	163	151110	7.385	ng	99
56) 2,4-Dinitrotoluene	9.82	165	32232	6.879	ng	# 23
66) 4-Bromophenyl-phenylether	10.62	248	17809	3.866	ng	# 1

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

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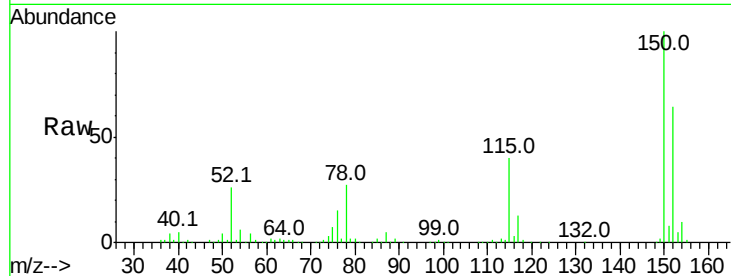


#1

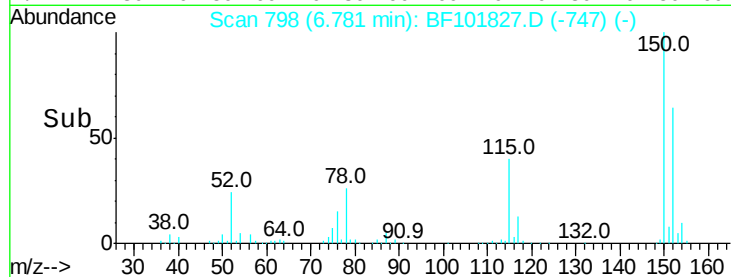
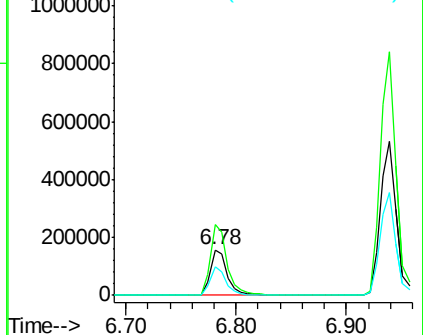
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. 0.00 min
Lab File: BF101827.D
Acq: 29 Dec 2017 14:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 164696
Ion Ratio Lower Upper
152 100
150 156.6 124.6 186.8
115 62.0 50.1 75.1



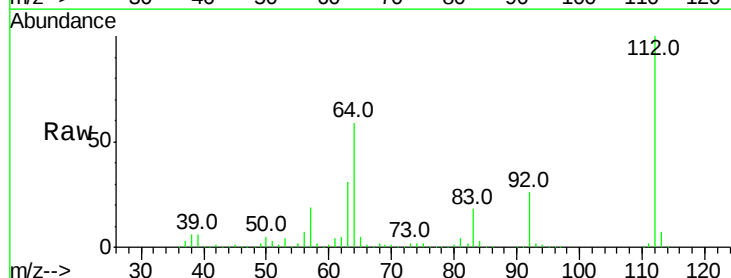
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



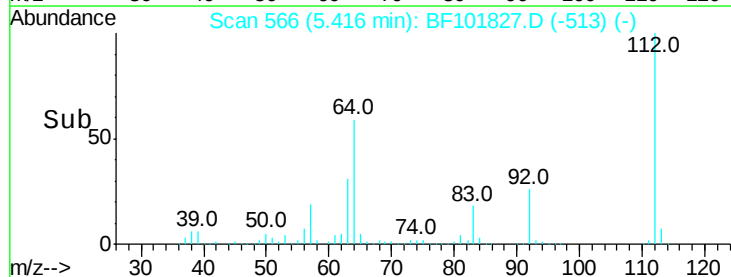
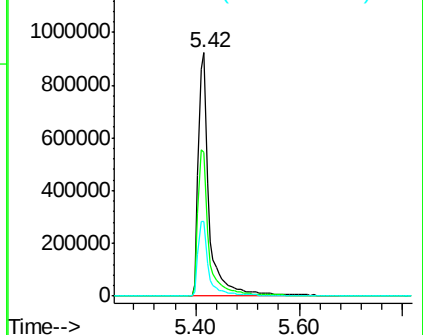
#5

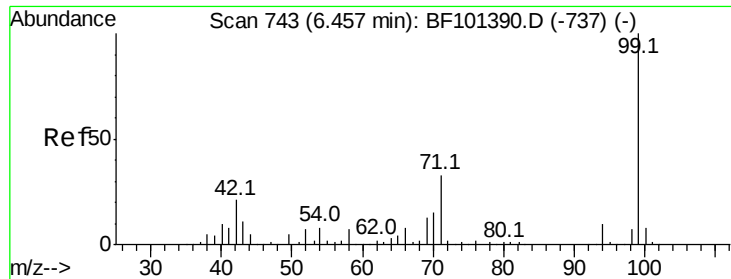
2-Fluorophenol
Concen: 120.267 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF101827.D
Acq: 29 Dec 2017 14:21

Tgt Ion:112 Resp: 1329737
Ion Ratio Lower Upper
112 100
64 59.2 47.9 71.9
63 30.6 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: 113.166 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF101827.D

Acq: 29 Dec 2017 14:21

Instrument :

BNA_F

ClientSampleId :

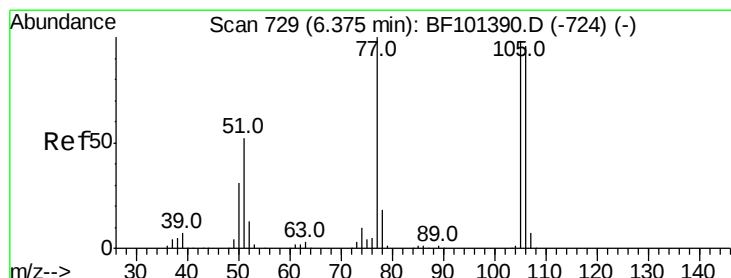
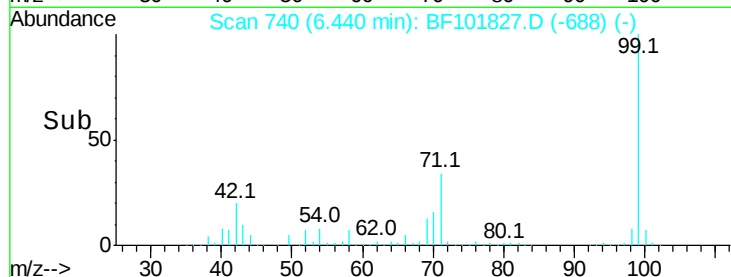
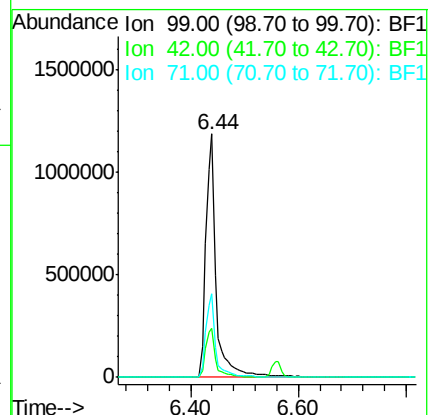
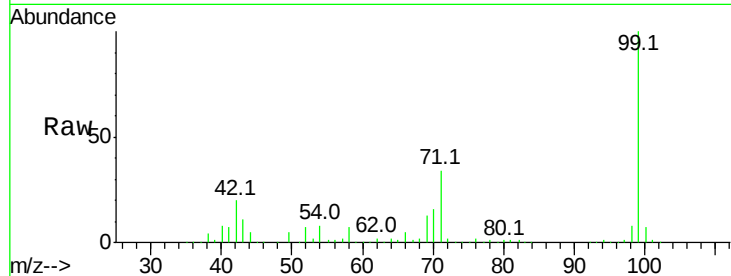
Tot Ion: 99 Resp: 1557204

Ion Ratio Lower Upper

99 100

42 20.2 14.5 21.7

71 34.2 25.4 38.0



#9

Benzaldehyde

Concen: 2.607 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.22 min

Lab File: BF101827.D

Acq: 29 Dec 2017 14:21

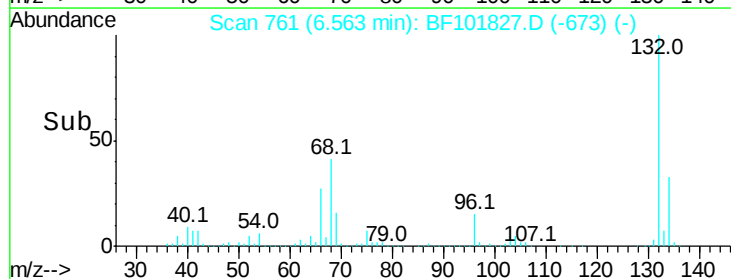
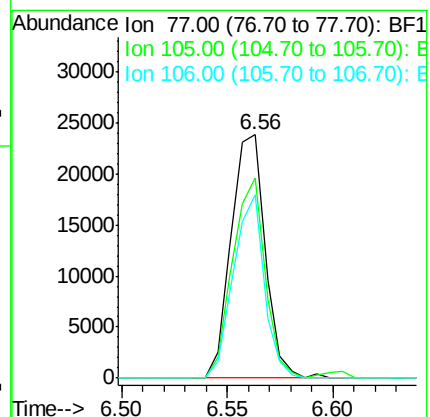
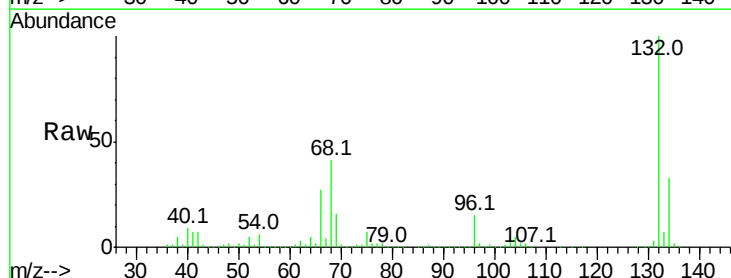
Tgt Ion: 77 Resp: 26489

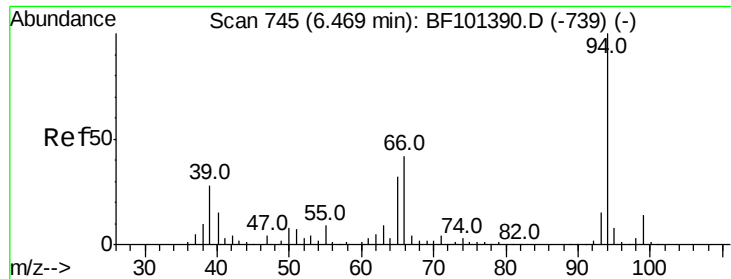
Ion Ratio Lower Upper

77 100

105 82.2 81.1 121.1

106 75.5 74.5 114.5

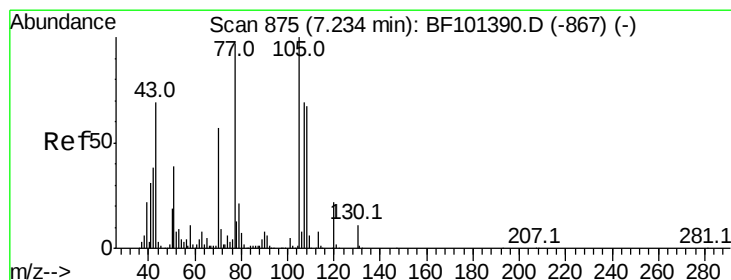
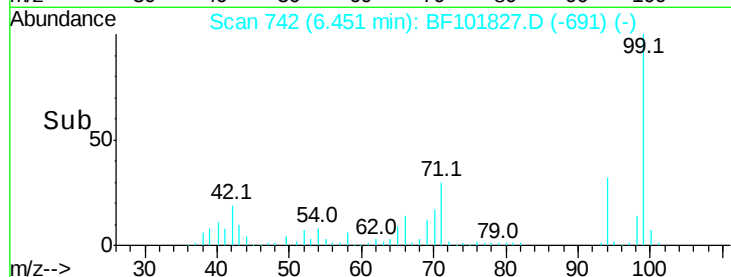
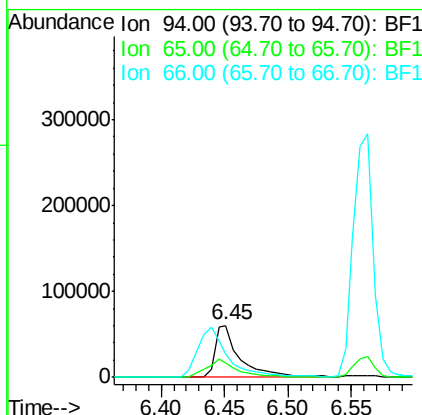
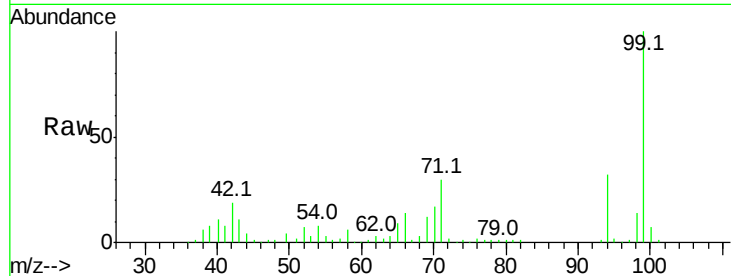




#10
Phenol
Concen: 5.332 ng
RT: 6.45 min Scan# 742
Delta R.T. 0.00 min
Lab File: BF101827.D
Acq: 29 Dec 2017 14:21

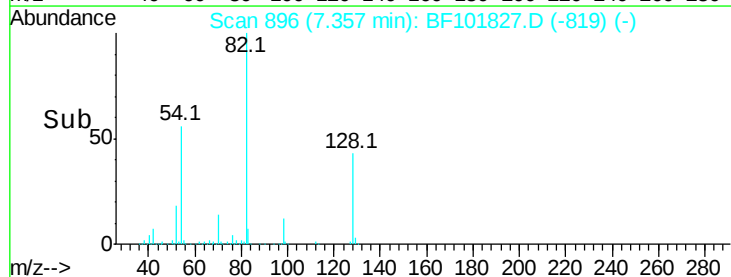
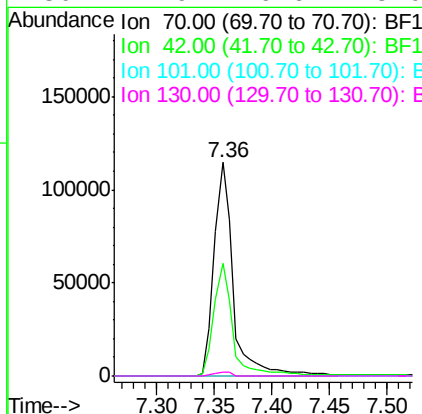
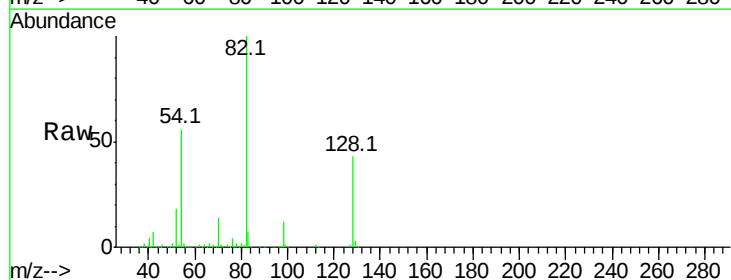
Instrument :
BNA_F
ClientSampleId :

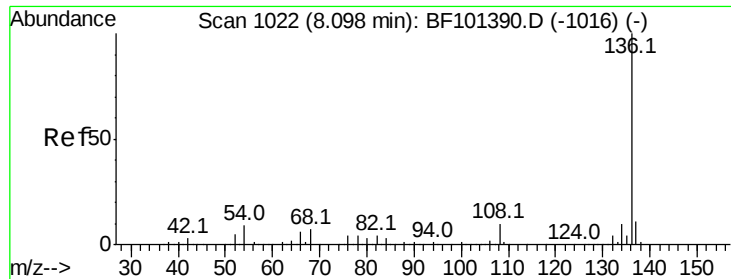
Tot Ion: 94 Resp: 83620
Ion Ratio Lower Upper
94 100
65 27.0 7.9 47.9
66 44.6 16.2 56.2



#19
n-Nitroso-di-n-propylamine
Concen: 14.690 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.15 min
Lab File: BF101827.D
Acq: 29 Dec 2017 14:21

Tgt Ion: 70 Resp: 132752
Ion Ratio Lower Upper
70 100
42 52.8 47.5 71.3
101 0.0 7.4 11.2#
130 1.9 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF101827.D

Acq: 29 Dec 2017 14:21

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 622306

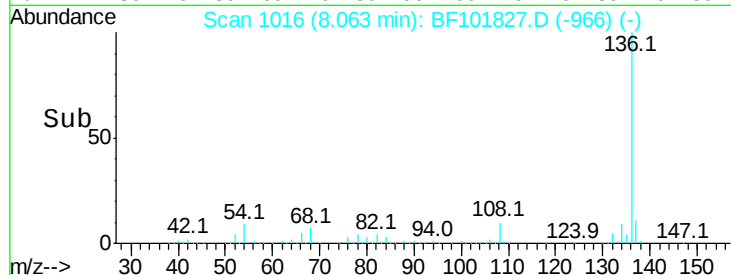
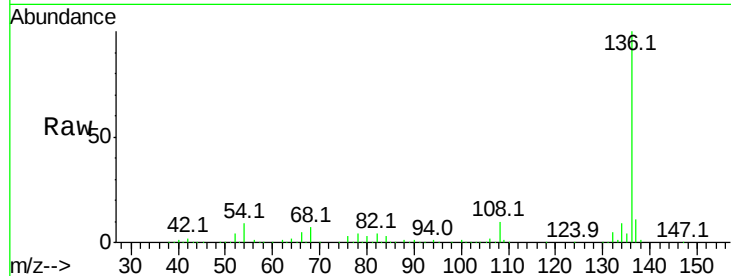
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 9.5 6.6 9.8

68 7.2 5.0 7.4

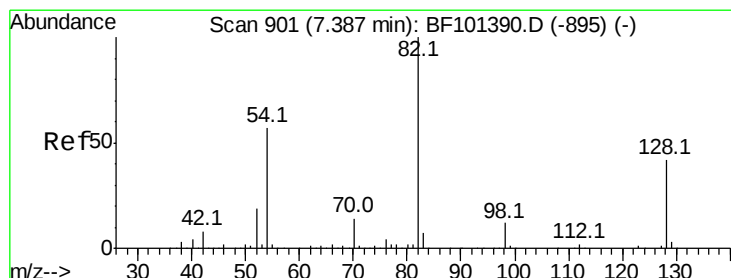
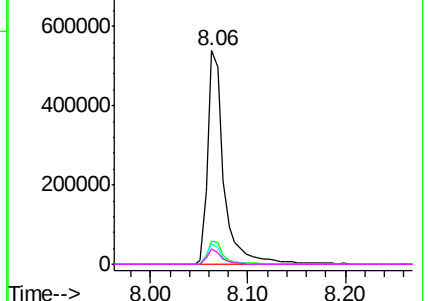


Abundance Ion 136.00 (135.70 to 136.70): E

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: 90.005 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF101827.D

Acq: 29 Dec 2017 14:21

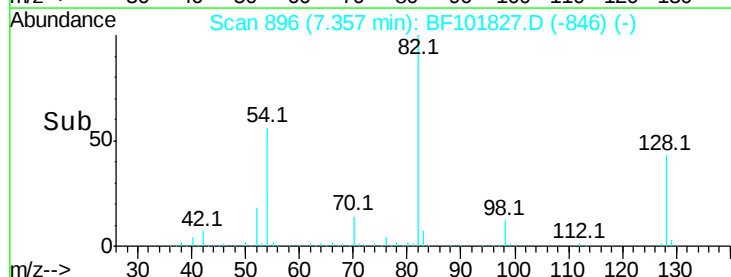
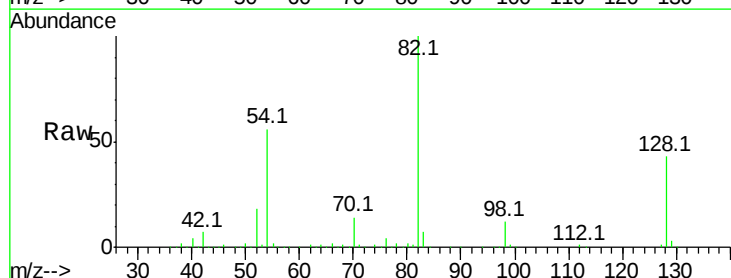
Tgt Ion: 82 Resp: 1006200

Ion Ratio Lower Upper

82 100

128 43.3 36.1 54.1

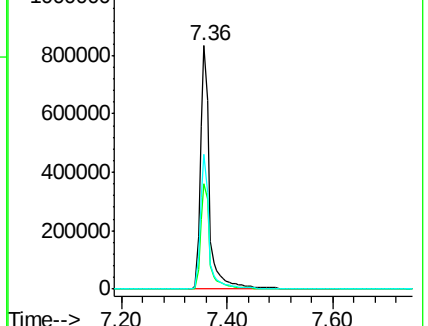
54 55.6 41.4 62.2

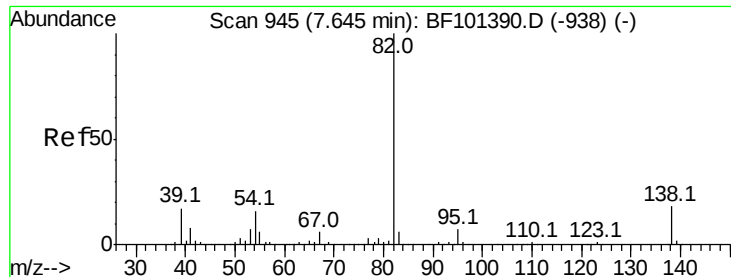


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 44.867 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.25 min

Lab File: BF101827.D

Acq: 29 Dec 2017 14:21

Instrument :

BNA_F

ClientSampleId :

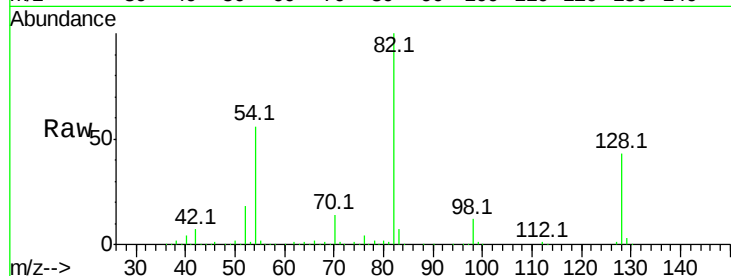
Tot Ion: 82 Resp: 1006200

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

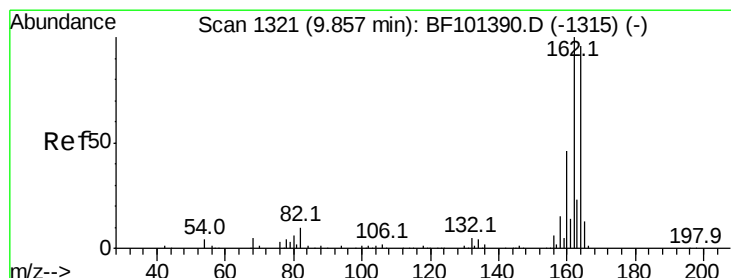
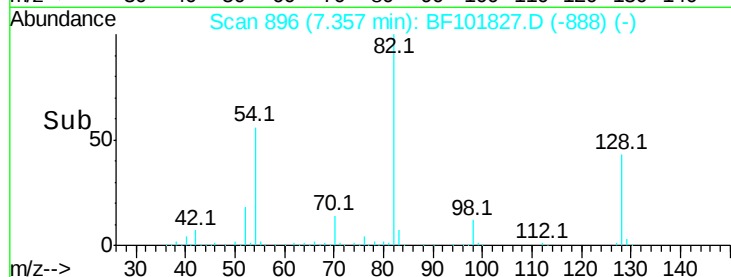
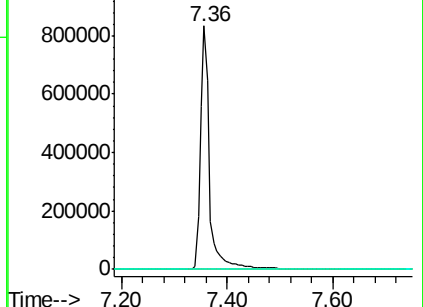
138 0.0 14.9 22.3#



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: 9.82 min Scan# 1315

Delta R.T. 0.00 min

Lab File: BF101827.D

Acq: 29 Dec 2017 14:21

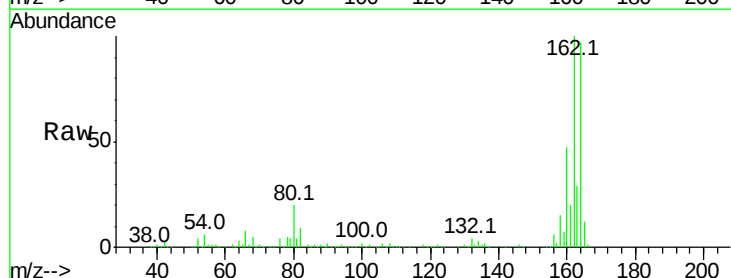
Tgt Ion:164 Resp: 254392

Ion Ratio Lower Upper

164 100

162 102.6 86.1 129.1

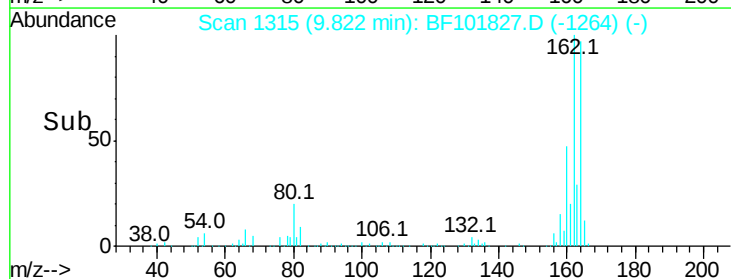
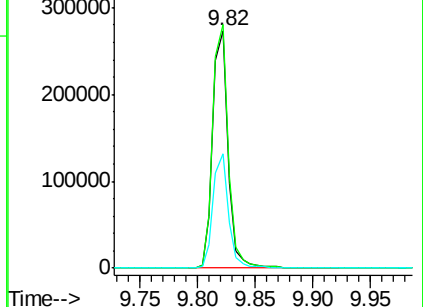
160 48.2 38.3 57.5

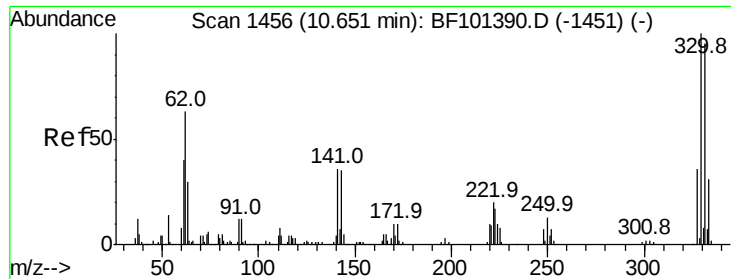


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 117.872 ng

RT: 10.62 min Scan# 1451

Delta R.T. 0.00 min

Lab File: BF101827.D

Acq: 29 Dec 2017 14:21

Instrument :

BNA_F

ClientSampleId :

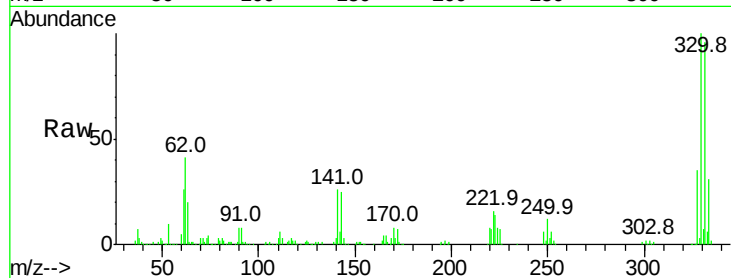
Tot Ion:330 Resp: 288936

Ion Ratio Lower Upper

330 100

332 96.3 77.0 115.6

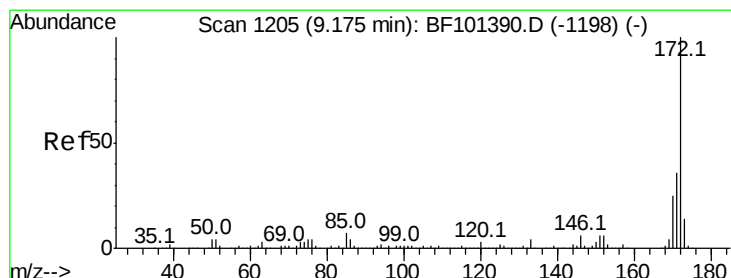
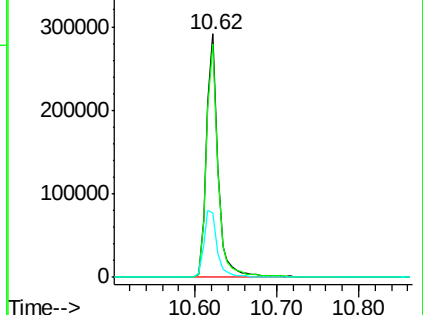
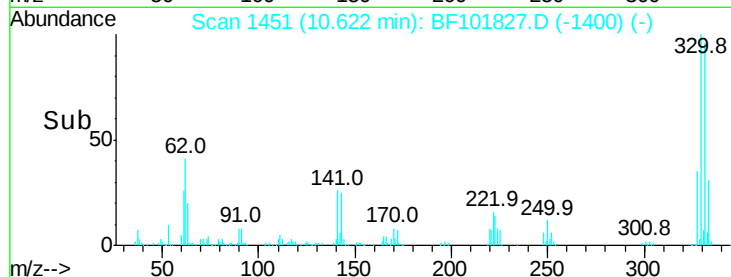
141 31.6 29.9 44.9



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: 87.495 ng

RT: 9.14 min Scan# 1199

Delta R.T. 0.00 min

Lab File: BF101827.D

Acq: 29 Dec 2017 14:21

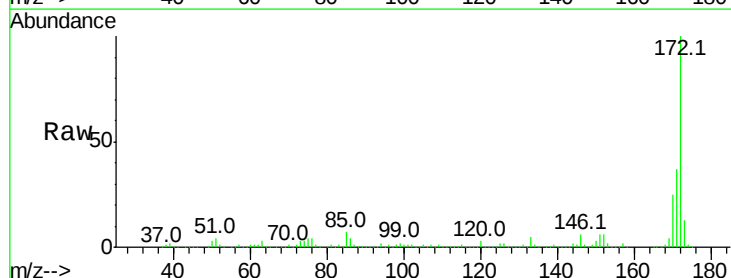
Tgt Ion:172 Resp: 1434850

Ion Ratio Lower Upper

172 100

171 36.7 29.7 44.5

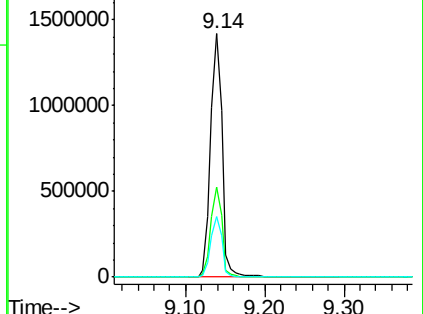
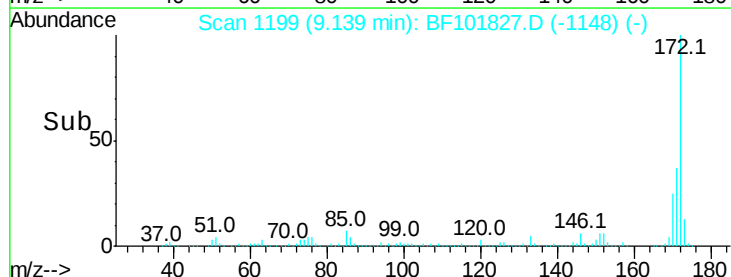
170 24.7 19.6 29.4

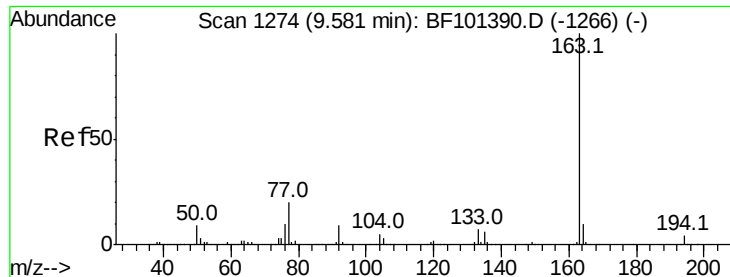


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 7.385 ng

RT: 9.54 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BF101827.D

Acq: 29 Dec 2017 14:21

Instrument :

BNA_F

ClientSampleId :

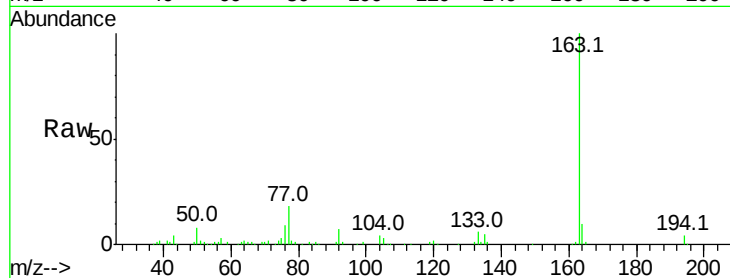
Tot Ion:163 Resp: 151110

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

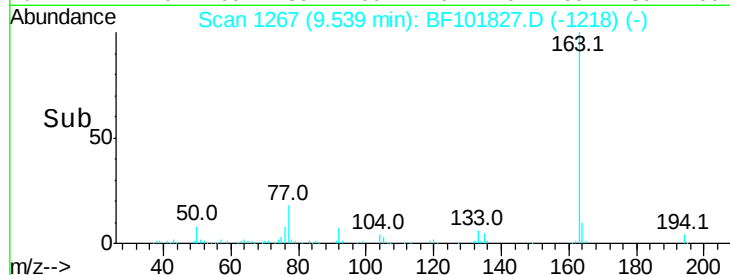
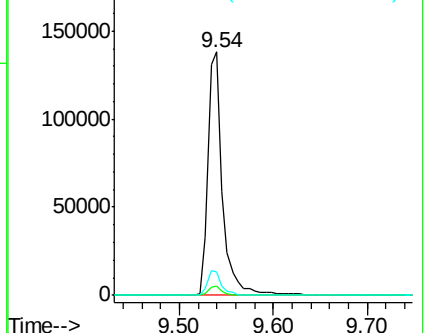
164 9.6 8.2 12.2



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: 6.879 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.22 min

Lab File: BF101827.D

Acq: 29 Dec 2017 14:21

Tgt Ion:165 Resp: 32232

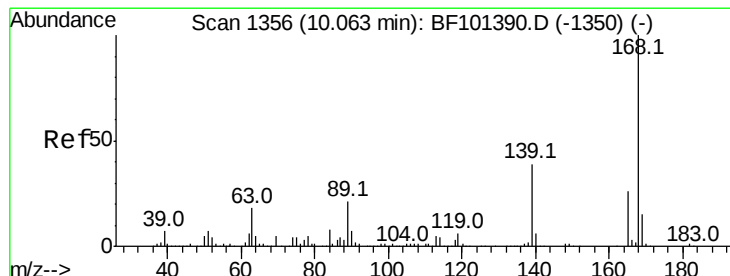
Ion Ratio Lower Upper

165 100

63 1.3 36.4 54.6#

89 1.1 57.8 86.6#

182 0.0 1.6 2.4#

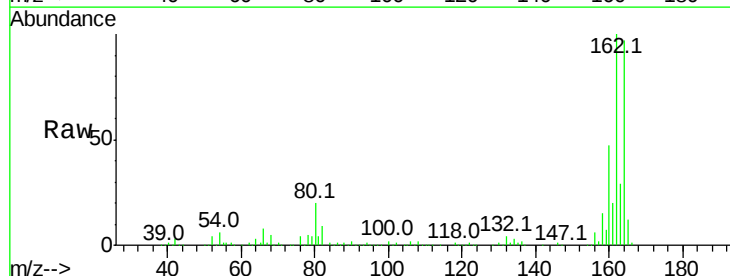
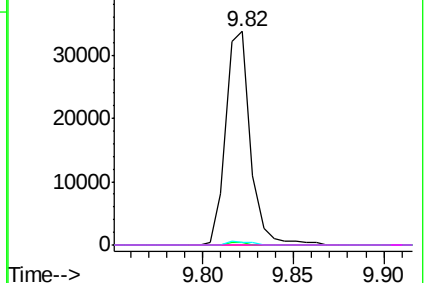


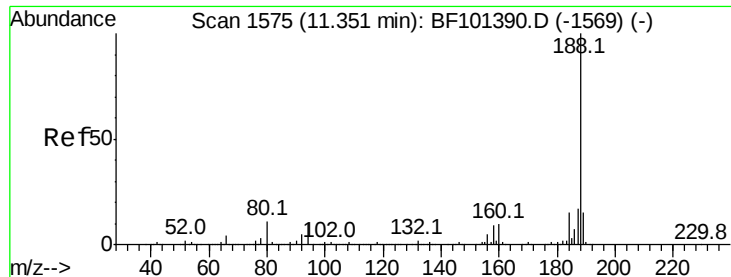
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.32 min Scan# 1569

Delta R.T. 0.00 min

Lab File: BF101827.D

Acq: 29 Dec 2017 14:21

Instrument :

BNA_F

ClientSampled :

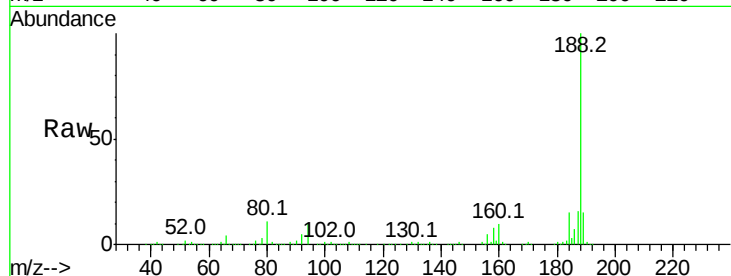
Tot Ion:188 Resp: 410010

Ion Ratio Lower Upper

188 100

94 9.7 8.5 12.7

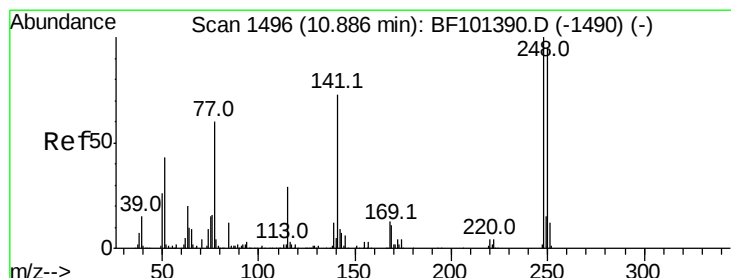
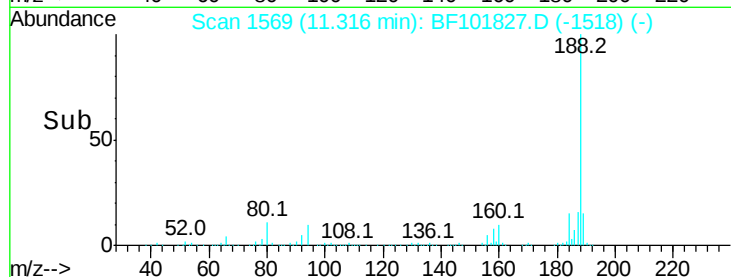
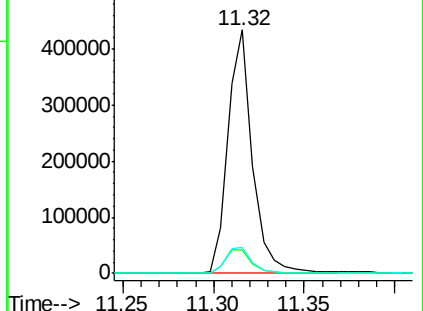
80 10.7 9.2 13.8



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



#66

4-Bromophenyl-phenylether

Concen: 3.866 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.23 min

Lab File: BF101827.D

Acq: 29 Dec 2017 14:21

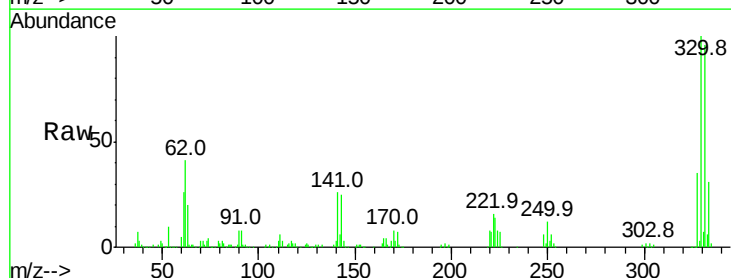
Tgt Ion:248 Resp: 17809

Ion Ratio Lower Upper

248 100

250 204.9 76.9 115.3#

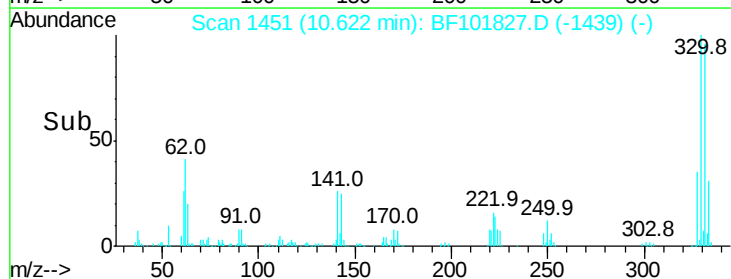
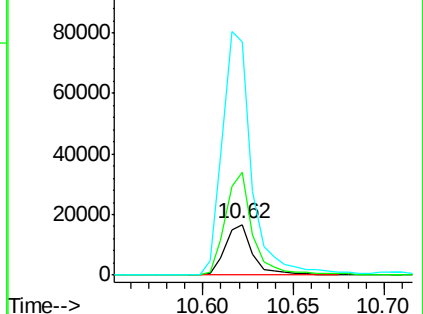
141 462.7 74.4 111.6#

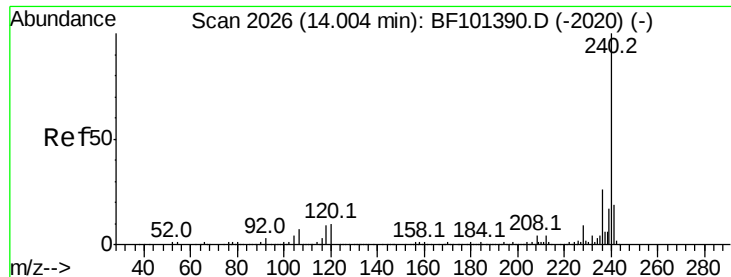


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF101827.D

Acq: 29 Dec 2017 14:21

Instrument :

BNA_F

ClientSampleId :

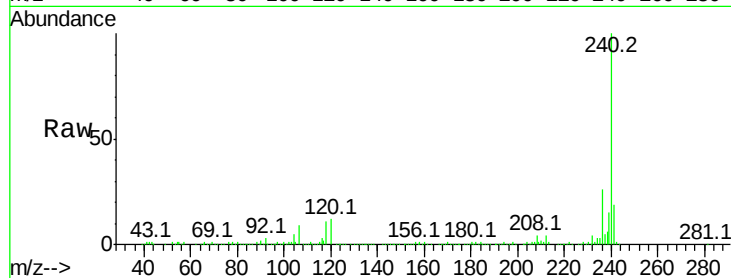
Tot Ion:240 Resp: 299545

Ion Ratio Lower Upper

240 100

120 12.2 9.5 14.3

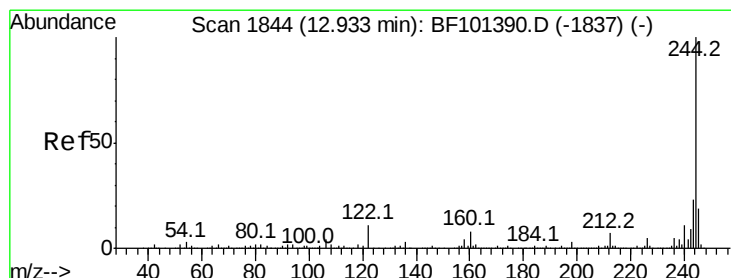
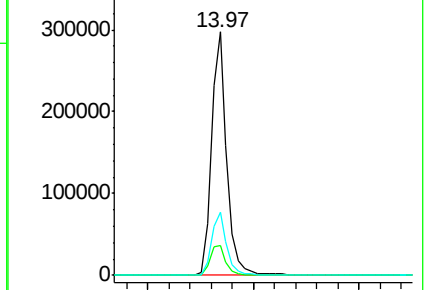
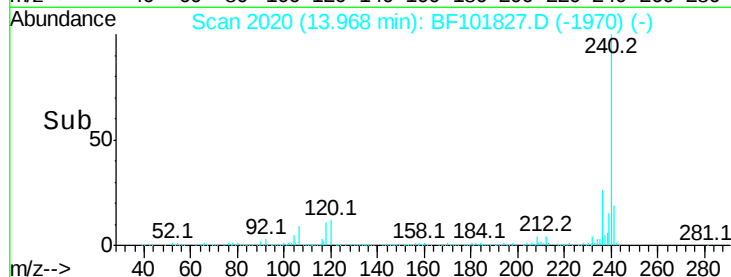
236 25.8 20.7 31.1



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: 81.771 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF101827.D

Acq: 29 Dec 2017 14:21

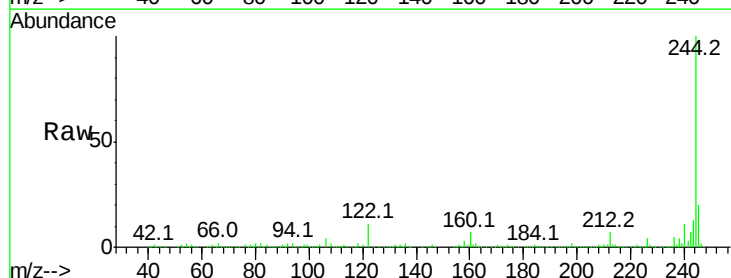
Tgt Ion:244 Resp: 1016026

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

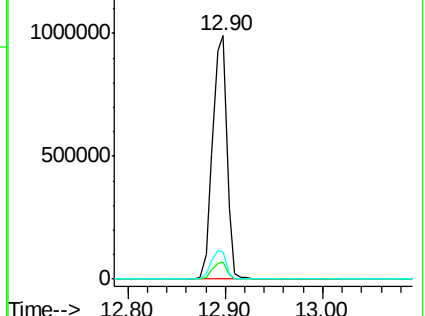
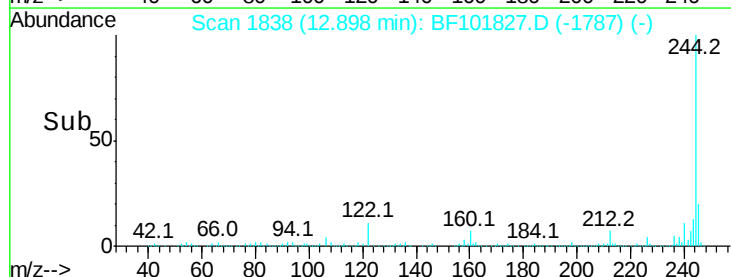
122 11.0 11.0 16.4

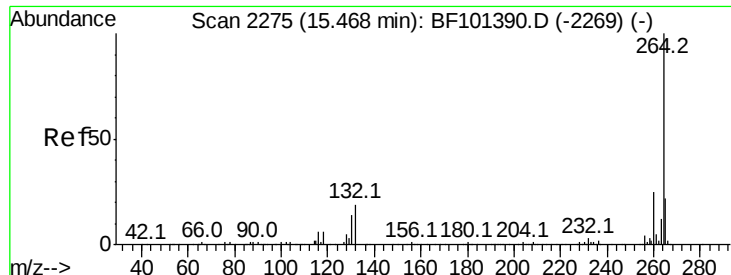


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

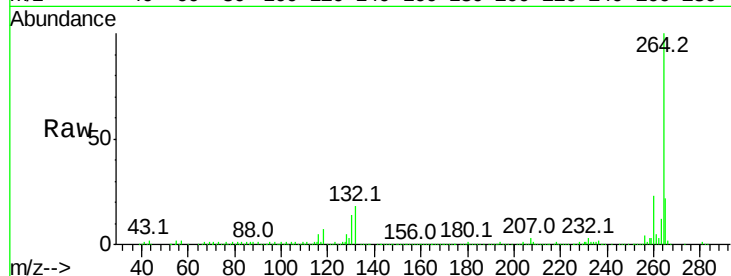




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: BF101827.D
 Acq: 29 Dec 2017 14:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.6	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

