

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121317\
 Data File : BF101377.D
 Acq On : 13 Dec 2017 21:34
 Operator : SJ/JU
 Sample : I6816-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 14 01:08:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

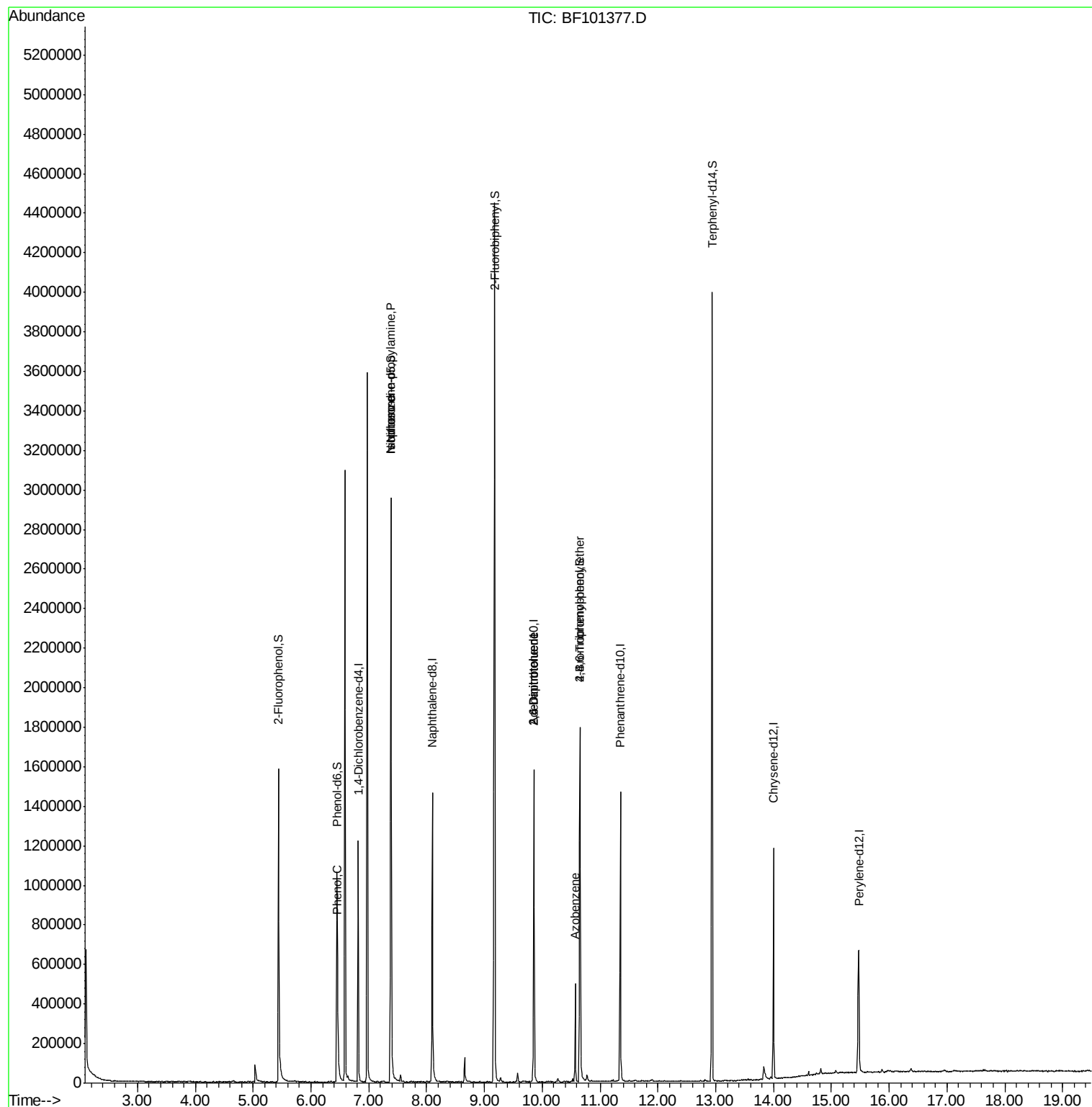
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	172522	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	698573	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	310262	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	576816	20.00	ng	0.00
75) Chrysene-d12	14.00	240	386978	20.00	ng	0.00
86) Perylene-d12	15.47	264	316103	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	521818	49.98	ng	0.00
7) Phenol-d6	6.45	99	429216	33.86	ng	-0.01
23) Nitrobenzene-d5	7.39	82	1092954	93.33	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	213588	57.31	ng	-0.01
44) 2-Fluorobiphenyl	9.17	172	1781047	78.54	ng	-0.01
78) Terphenyl-d14	12.94	244	1559211	88.13	ng	0.00
Target Compounds						
10) Phenol	6.46	94	30441	2.160	ng	# 75
19) n-Nitroso-di-n-propylamine	7.39	70	148679	17.417	ng	# 85
25) Isophorone	7.39	82	1092944	54.639	ng	# 64
50) 2,6-Dinitrotoluene	9.86	165	40560	7.696	ng	# 25
56) 2,4-Dinitrotoluene	9.86	165	40560	5.743	ng	# 23
62) Azobenzene	10.57	77	86105	4.111	ng	# 1
66) 4-Bromophenyl-phenylether	10.65	248	14189	2.198	ng	# 1

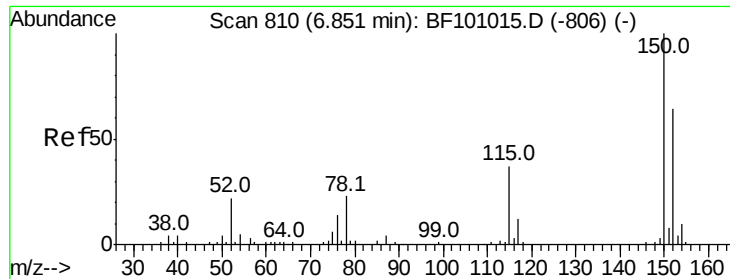
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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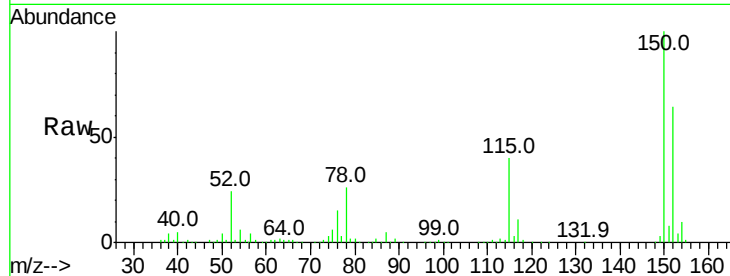


#1

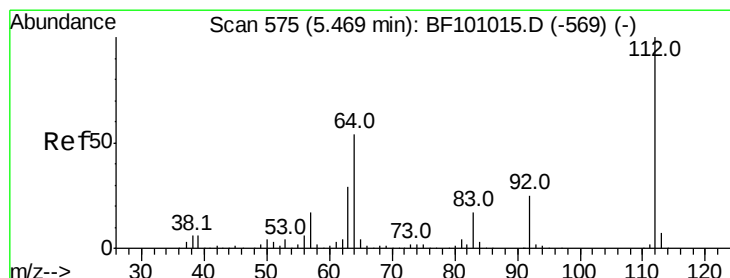
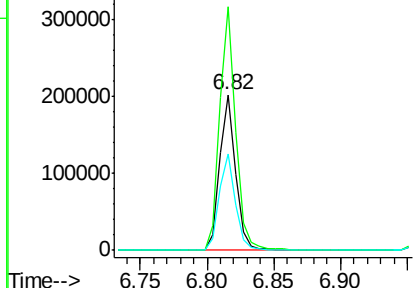
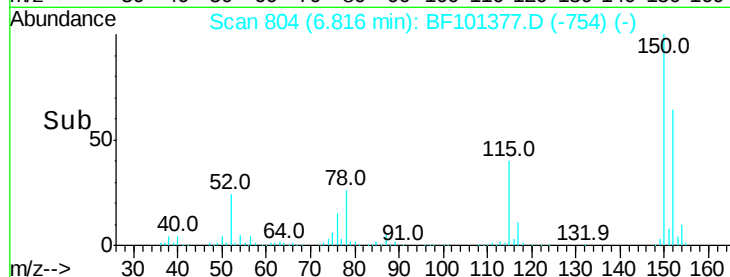
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF101377.D
Acq: 13 Dec 2017 21:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 172522
Ion Ratio Lower Upper
152 100
150 156.4 124.6 186.8
115 62.1 50.1 75.1



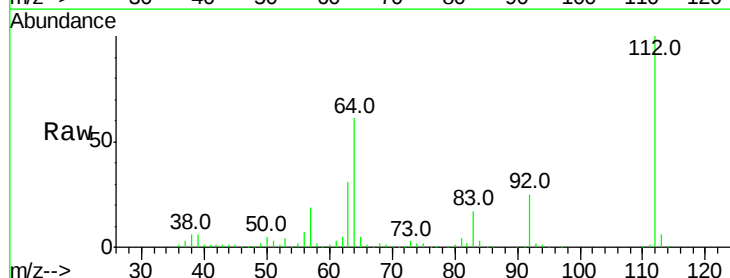
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



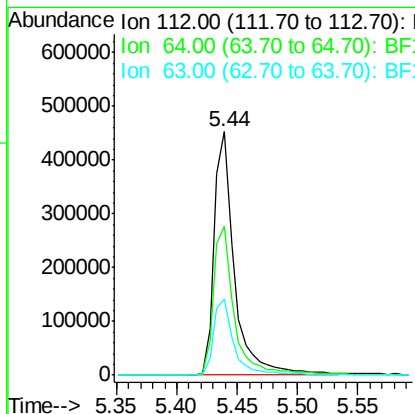
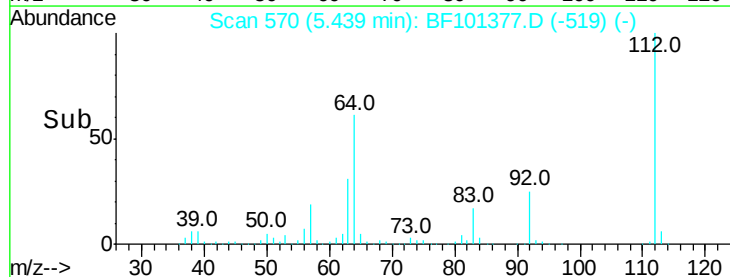
#5

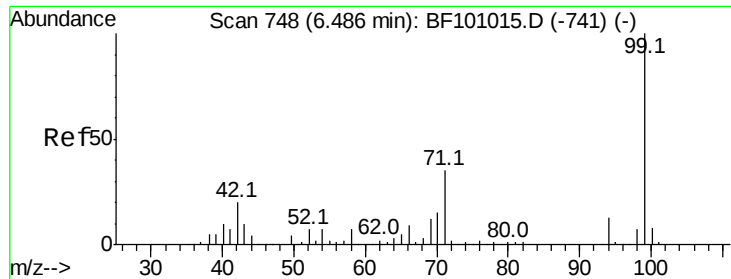
2-Fluorophenol
Concen: 49.981 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.00 min
Lab File: BF101377.D
Acq: 13 Dec 2017 21:34

Tgt Ion:112 Resp: 521818
Ion Ratio Lower Upper
112 100
64 61.3 47.9 71.9
63 31.0 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: 33.861 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF101377.D

Acq: 13 Dec 2017 21:34

Instrument :

BNA_F

ClientSampled :

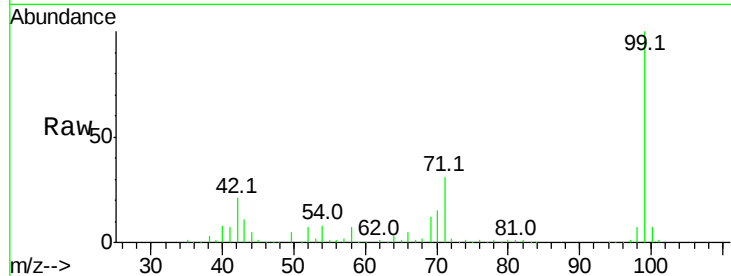
Tot Ion: 99 Resp: 429216

Ion Ratio Lower Upper

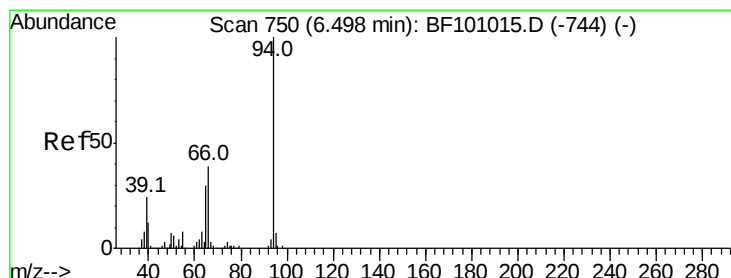
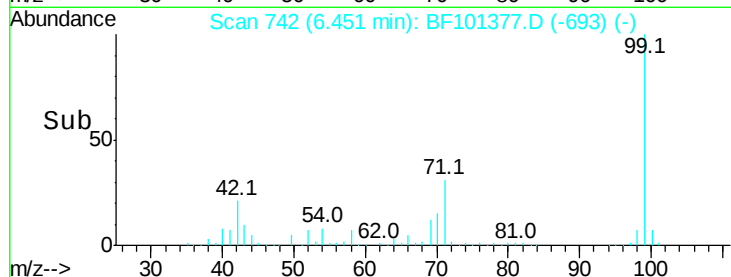
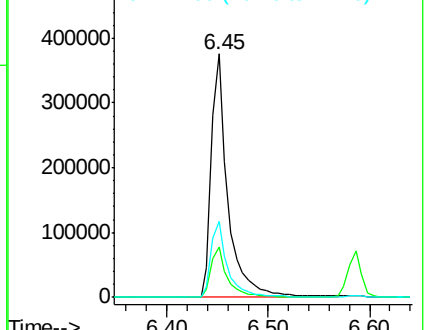
99 100

42 20.5 14.5 21.7

71 31.0 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



#10

Phenol

Concen: 2.160 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF101377.D

Acq: 13 Dec 2017 21:34

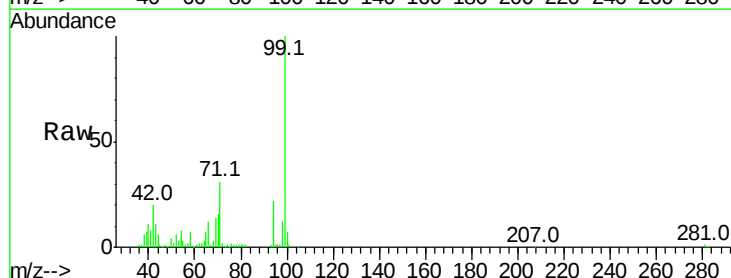
Tgt Ion: 94 Resp: 30441

Ion Ratio Lower Upper

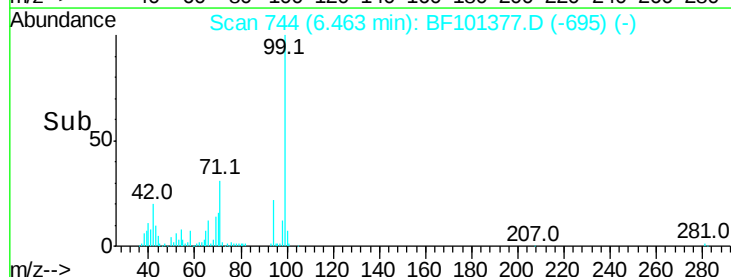
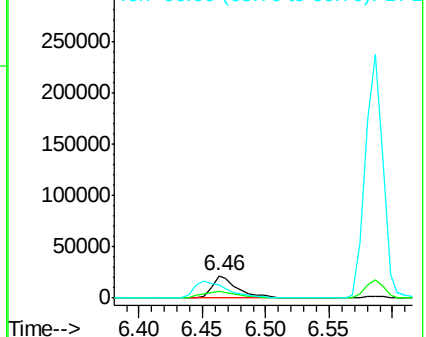
94 100

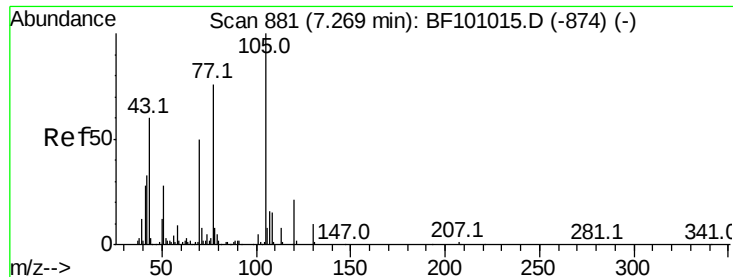
65 33.5 7.9 47.9

66 57.4 16.2 56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 17.417 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.15 min

Lab File: BF101377.D

Acq: 13 Dec 2017 21:34

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 148679

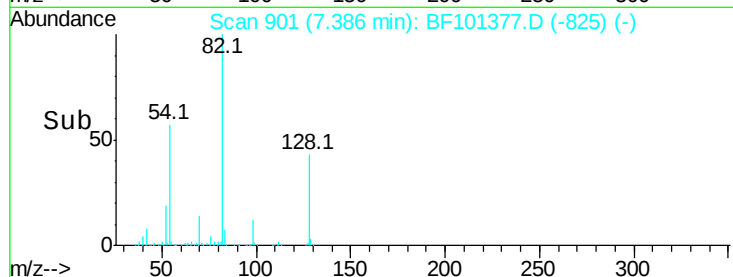
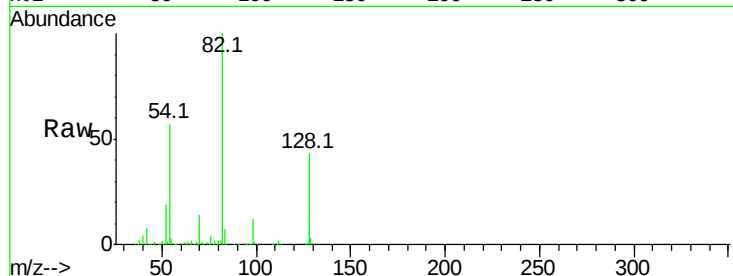
Ion Ratio Lower Upper

70 100

42 55.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

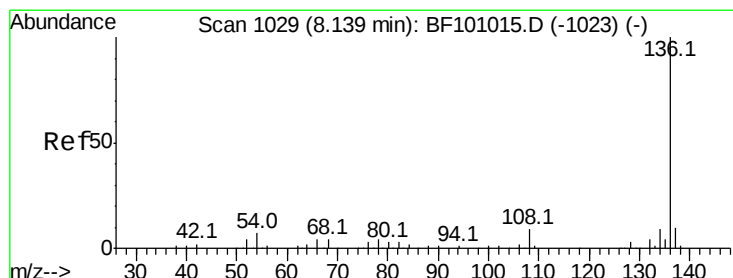
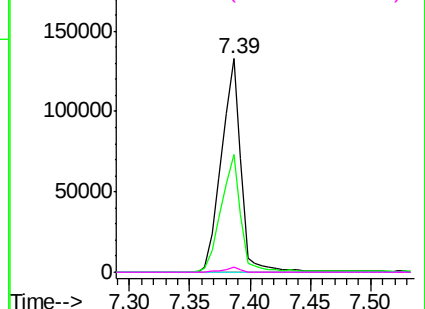


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF101377.D

Acq: 13 Dec 2017 21:34

Tgt Ion: 136 Resp: 698573

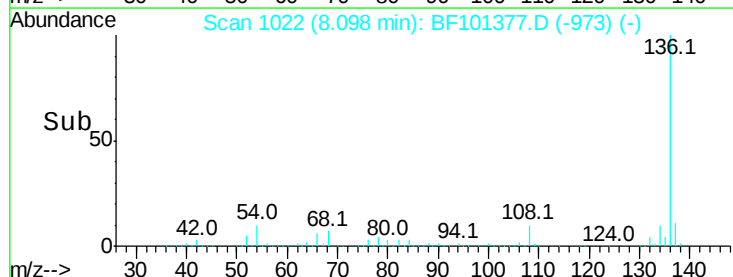
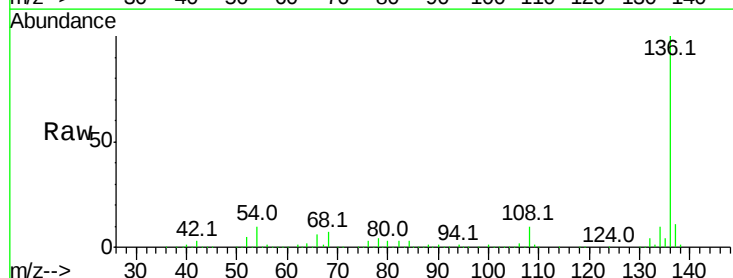
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.6 6.6 9.8

68 6.9 5.0 7.4

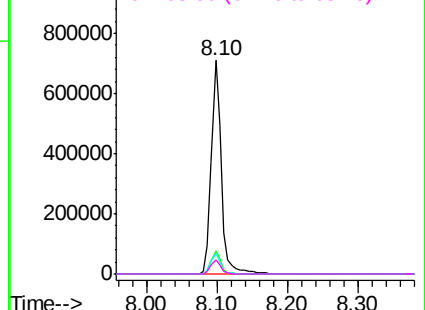


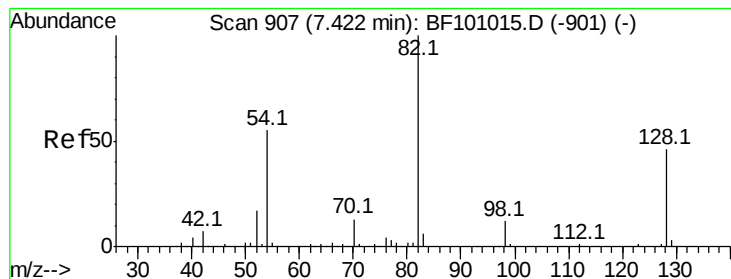
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 93.330 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.01 min

Lab File: BF101377.D

Acq: 13 Dec 2017 21:34

Instrument :

BNA_F

ClientSampled :

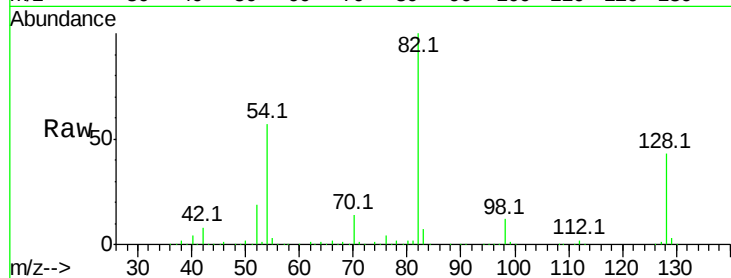
Tot Ion: 82 Resp: 1092954

Ion Ratio Lower Upper

82 100

128 42.7 36.1 54.1

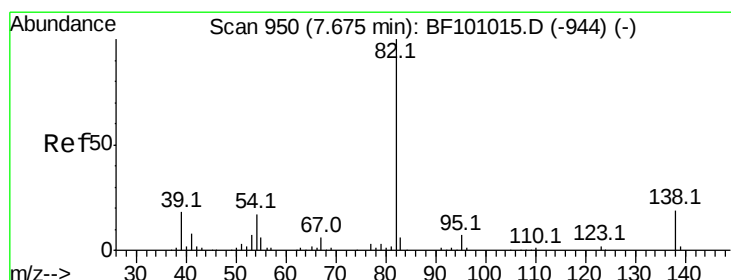
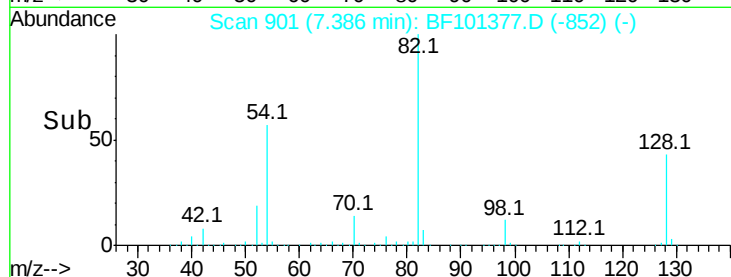
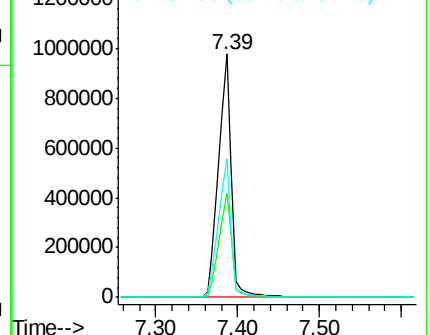
54 57.2 41.4 62.2



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: 54.639 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.26 min

Lab File: BF101377.D

Acq: 13 Dec 2017 21:34

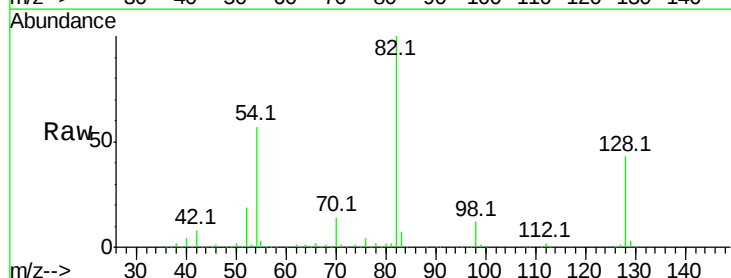
Tgt Ion: 82 Resp: 1092944

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

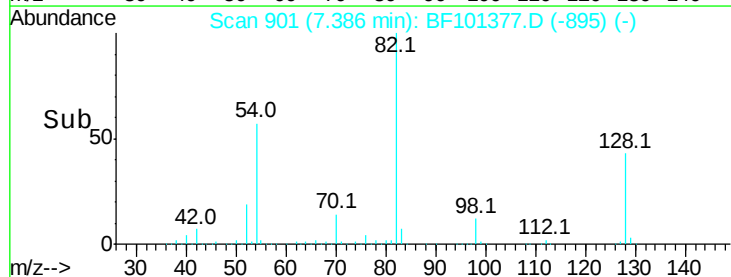
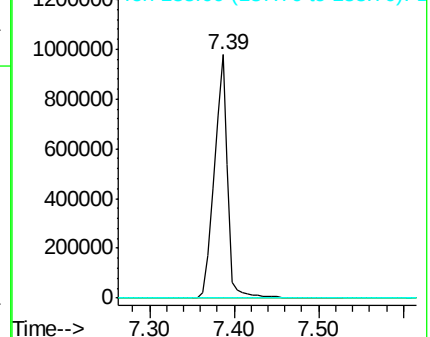
138 0.0 14.9 22.3#

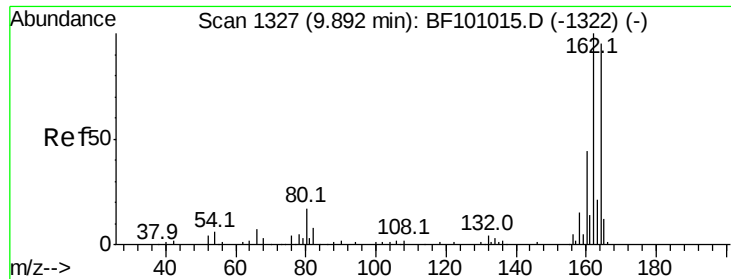


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

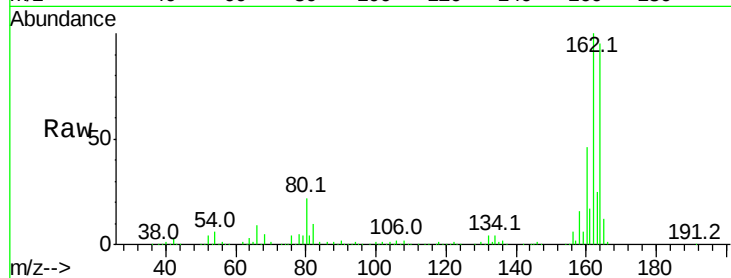




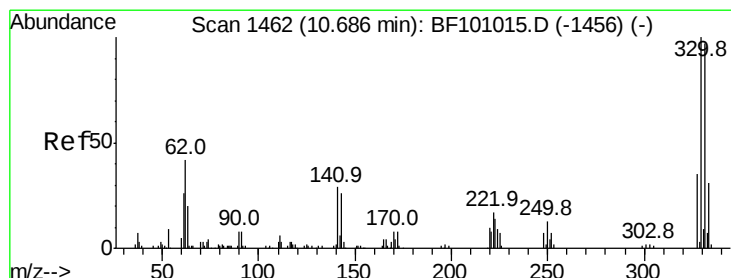
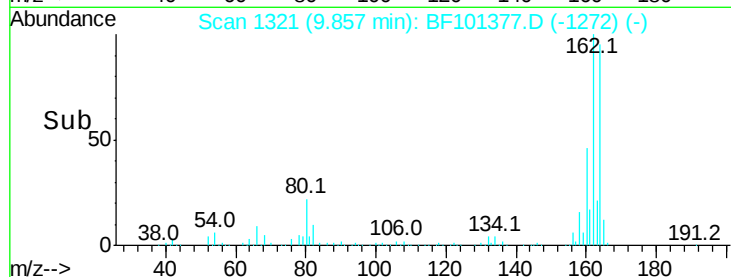
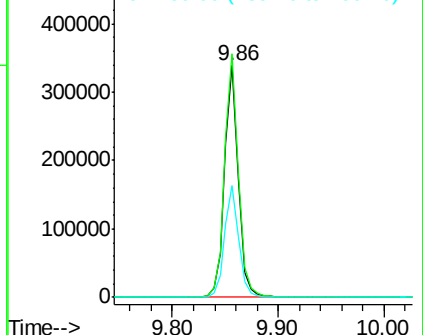
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: BF101377.D
 Acq: 13 Dec 2017 21:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.1	86.1	129.1
160	48.3	38.3	57.5

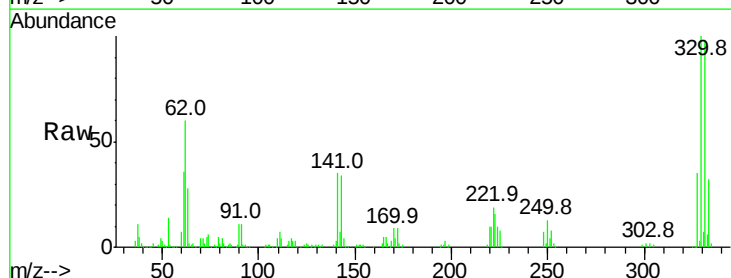


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

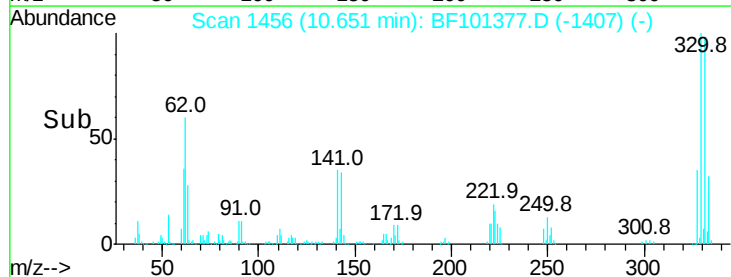
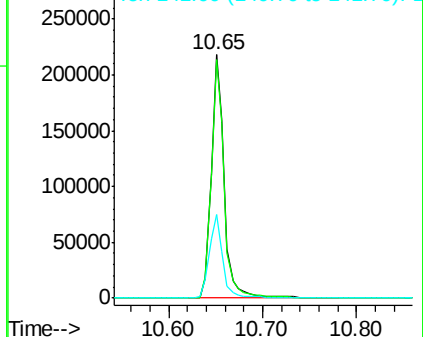


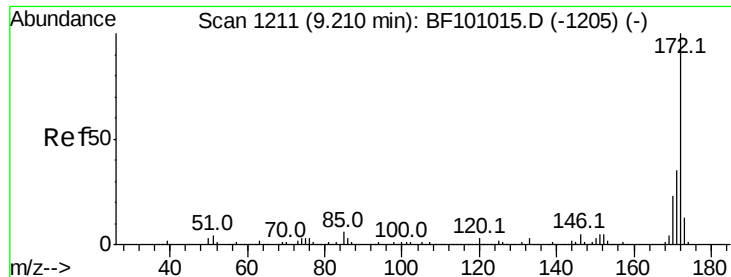
#41
 2,4,6-Tribromophenol
 Concen: 57.306 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: BF101377.D
 Acq: 13 Dec 2017 21:34

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.0	115.6
141	36.1	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

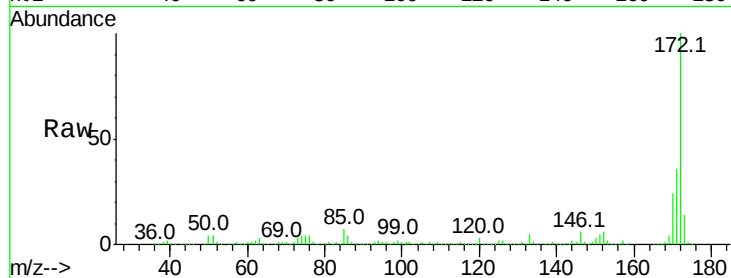




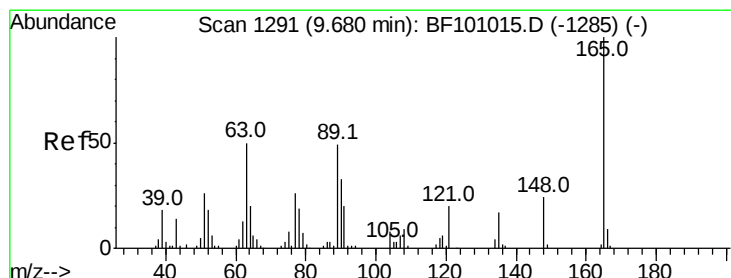
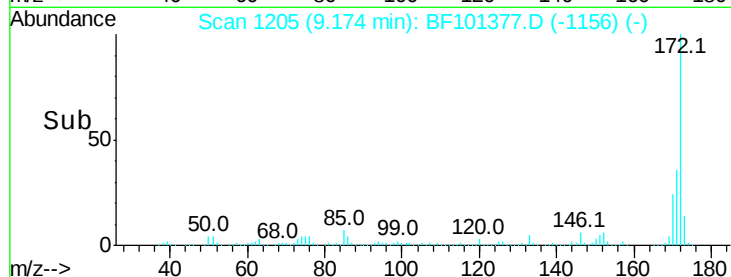
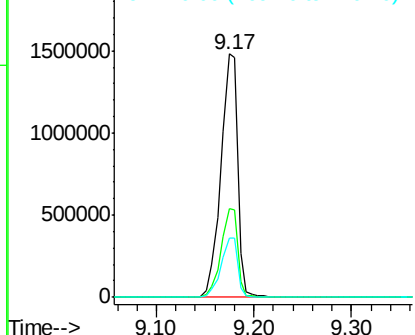
#44
2-Fluorobiphenyl
Concen: 78.541 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.01 min
Lab File: BF101377.D
Acq: 13 Dec 2017 21:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1781047
Ion Ratio Lower Upper
172 100
171 36.5 29.7 44.5
170 24.4 19.6 29.4

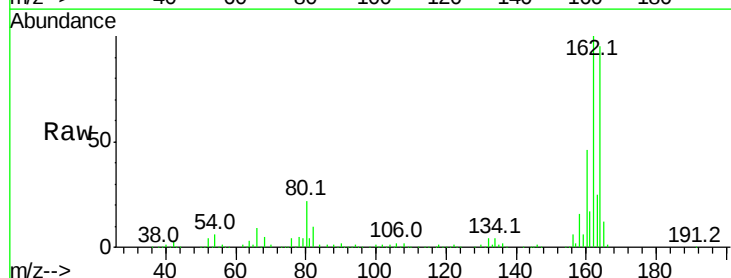


Abundance Ion 172.00 (171.70 to 172.70): E
2000000 Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

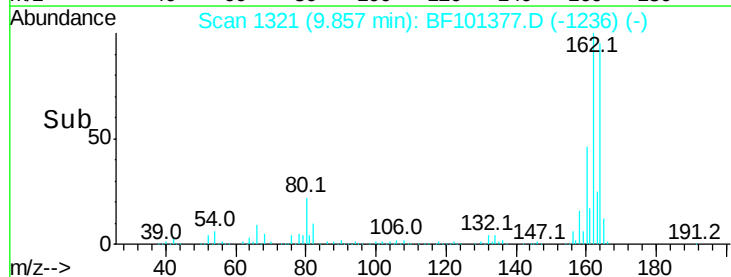
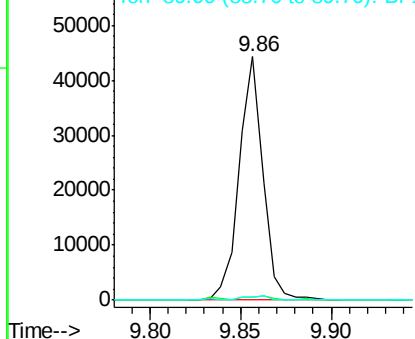


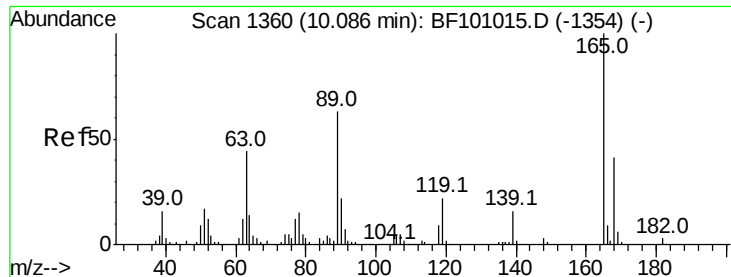
#50
2,6-Dinitrotoluene
Concen: 7.696 ng
RT: 9.86 min Scan# 1321
Delta R.T. 0.20 min
Lab File: BF101377.D
Acq: 13 Dec 2017 21:34

Tgt Ion:165 Resp: 40560
Ion Ratio Lower Upper
165 100
63 1.5 44.7 67.1#
89 1.2 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
60000 Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

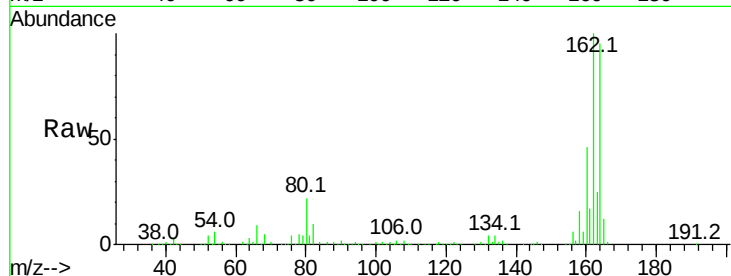




#56
 2,4-Dinitrotoluene
 Concen: 5.743 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. -0.21 min
 Lab File: BF101377.D
 Acq: 13 Dec 2017 21:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#

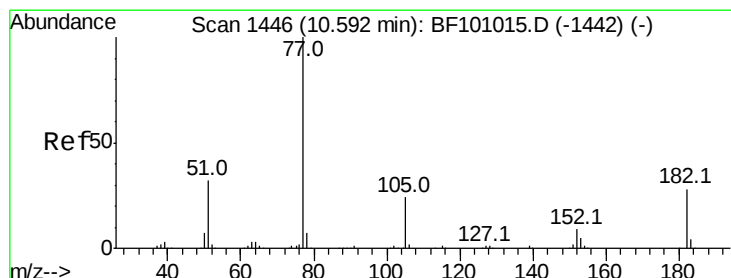
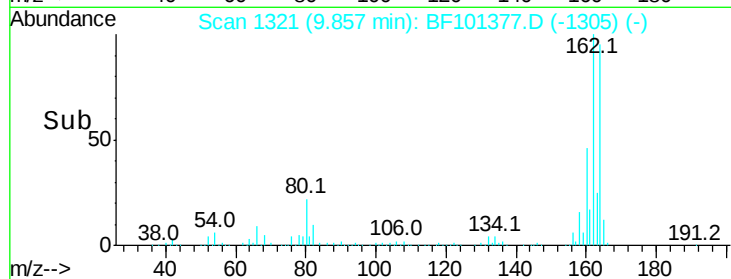
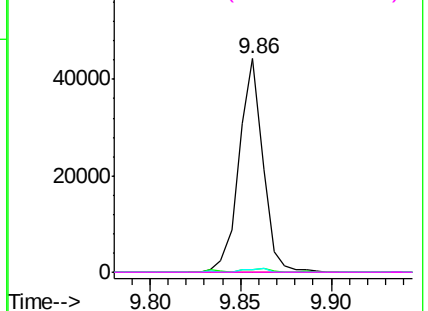


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

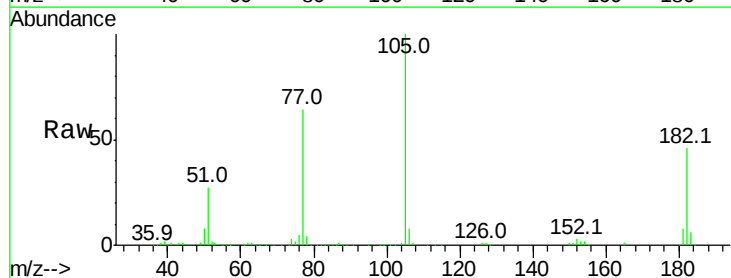
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#62
 Azobenzene
 Concen: 4.111 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: BF101377.D
 Acq: 13 Dec 2017 21:34

Tgt Ion	Ratio	Lower	Upper
77	100		
182	71.8	1.7	41.7#
105	156.6	3.0	43.0#
51	42.3	9.9	49.9

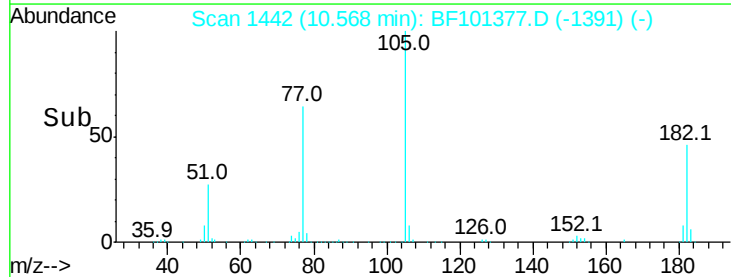
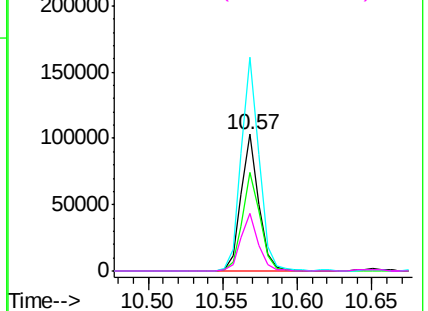


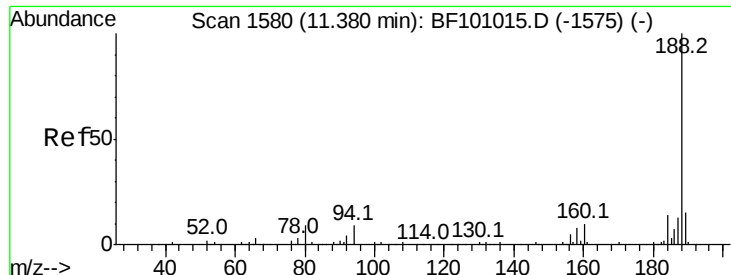
Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BF101377.D

Acq: 13 Dec 2017 21:34

Instrument :

BNA_F

ClientSampleId :

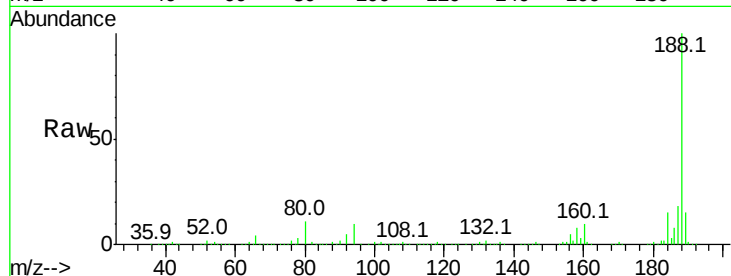
Tot Ion:188 Resp: 576816

Ion Ratio Lower Upper

188 100

94 9.7 8.5 12.7

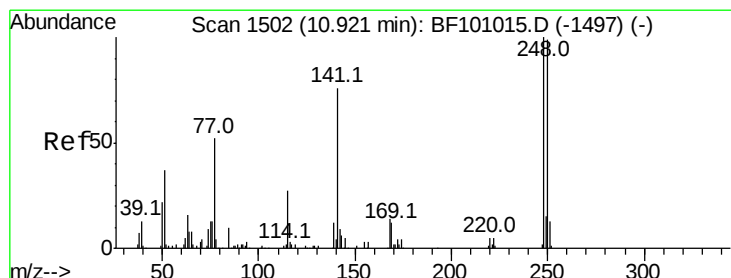
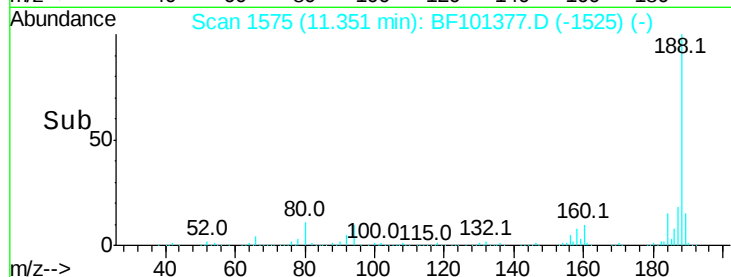
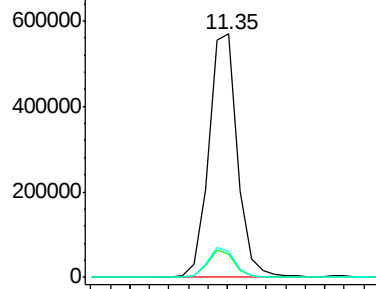
80 10.5 9.2 13.8



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: 2.198 ng

RT: 10.65 min Scan# 1456

Delta R.T. -0.25 min

Lab File: BF101377.D

Acq: 13 Dec 2017 21:34

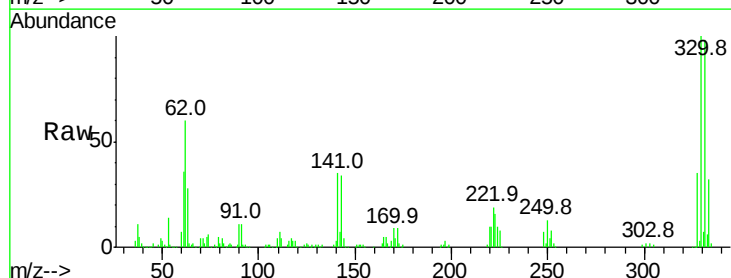
Tgt Ion:248 Resp: 14189

Ion Ratio Lower Upper

248 100

250 188.9 76.9 115.3#

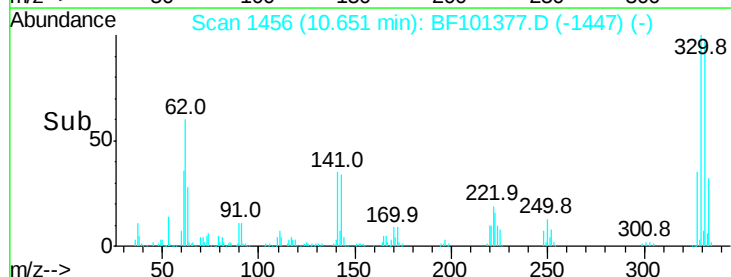
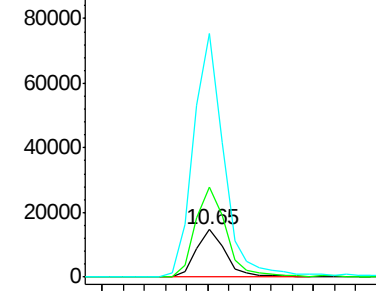
141 511.7 74.4 111.6#

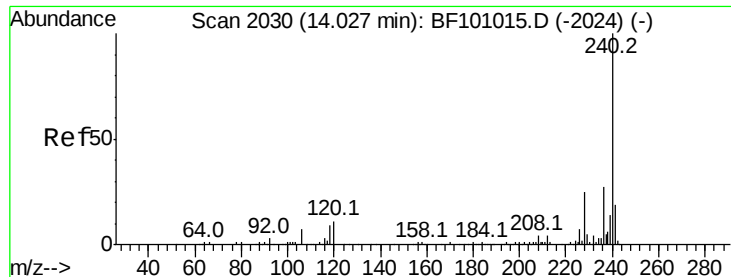


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF101377.D

Acq: 13 Dec 2017 21:34

Instrument :

BNA_F

ClientSampleId :

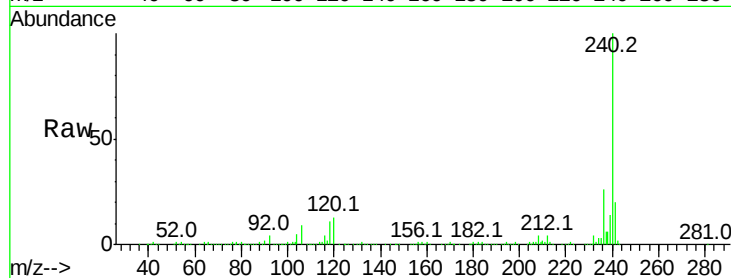
Tot Ion:240 Resp: 386978

Ion Ratio Lower Upper

240 100

120 13.2 9.5 14.3

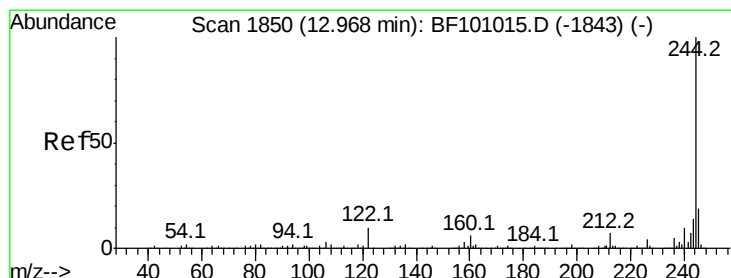
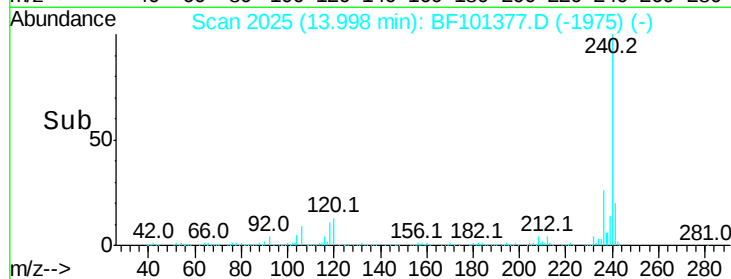
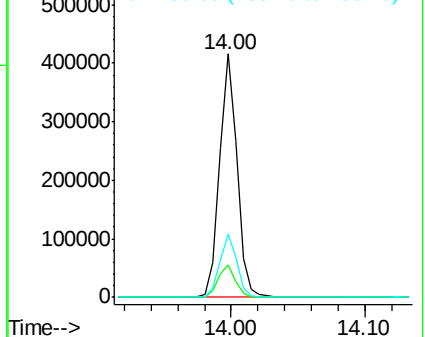
236 26.2 20.7 31.1



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: 88.129 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.00 min

Lab File: BF101377.D

Acq: 13 Dec 2017 21:34

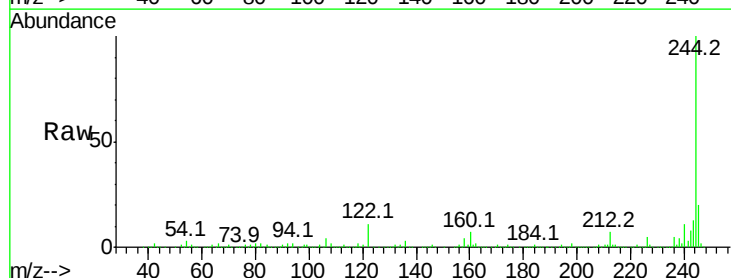
Tgt Ion:244 Resp: 1559211

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

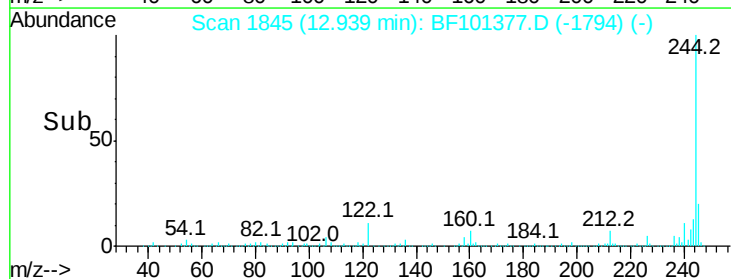
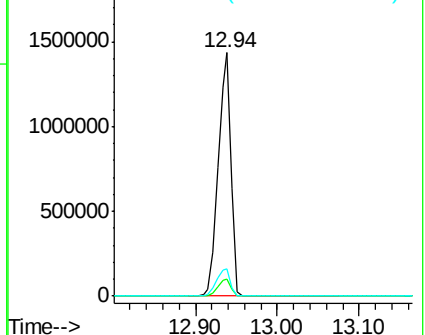
122 11.2 11.0 16.4

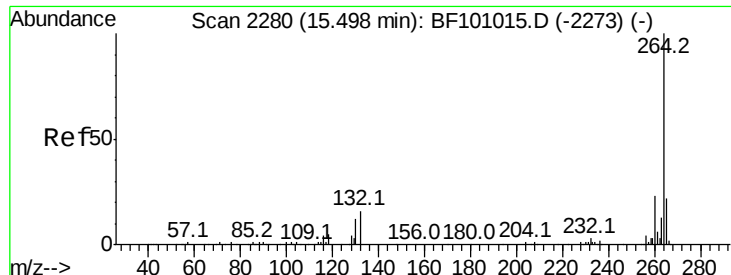


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

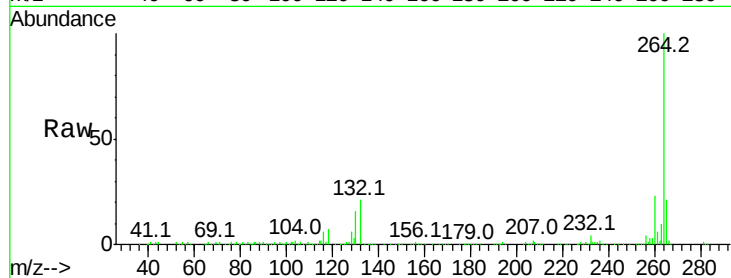




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. -0.00 min
 Lab File: BF101377.D
 Acq: 13 Dec 2017 21:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	316103
Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.1	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

