

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121317\
 Data File : BF101383.D
 Acq On : 14 Dec 2017 00:15
 Operator : SJ/JU
 Sample : I6816-10
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 14 01:10:28 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

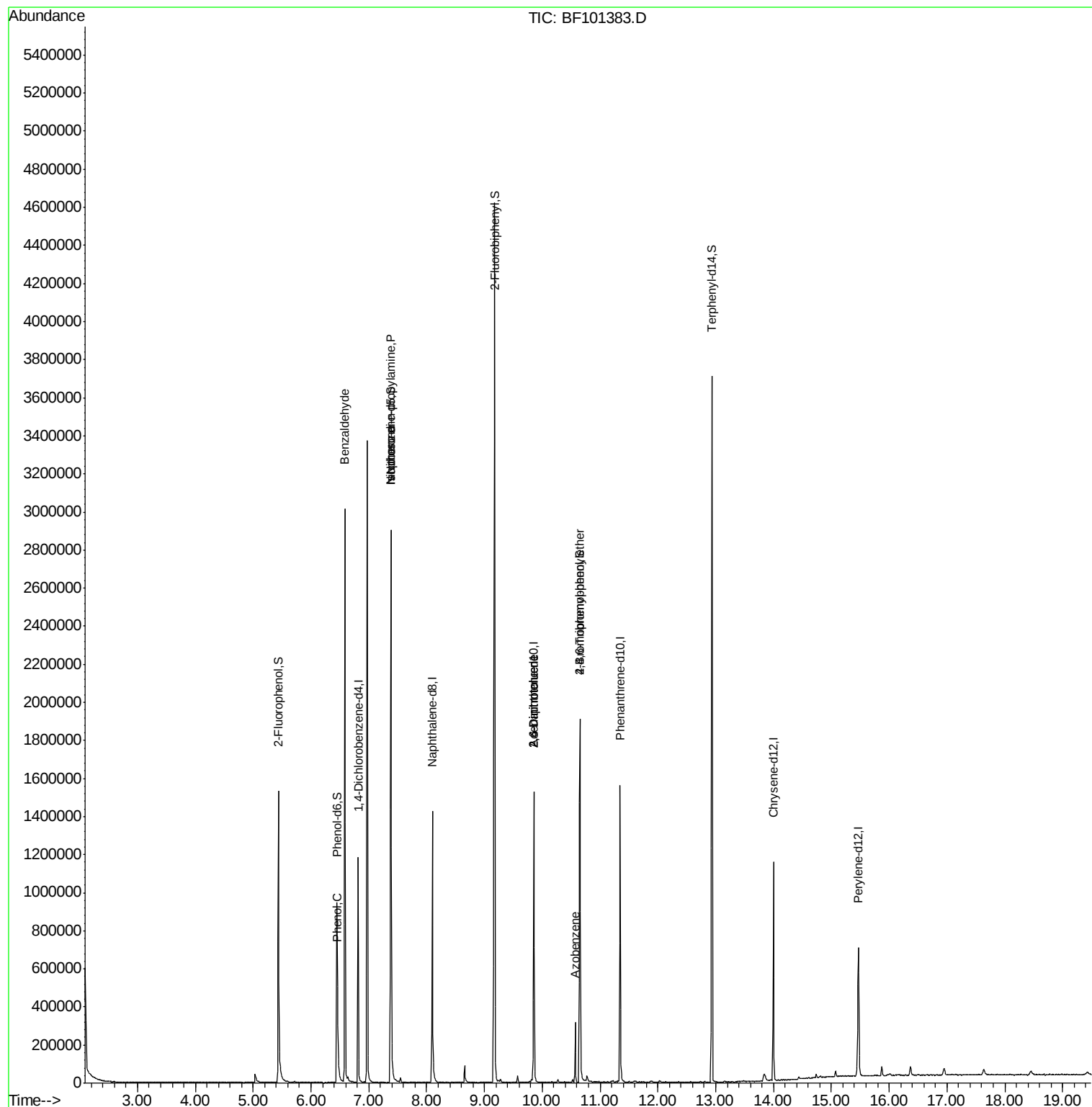
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	173237	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	704456	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	317668	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	579695	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	389458	20.00	ng	0.00
86) Perylene-d12	15.47	264	319350	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	504911	48.16	ng	0.00
7) Phenol-d6	6.45	99	411968	32.37	ng	-0.01
23) Nitrobenzene-d5	7.39	82	1086976	92.04	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	230726	60.46	ng	-0.01
44) 2-Fluorobiphenyl	9.17	172	1764411	75.99	ng	-0.01
78) Terphenyl-d14	12.93	244	1532737	86.08	ng	0.00
Target Compounds						
9) Benzaldehyde	6.59	77	18861	2.421	ng	81
10) Phenol	6.46	94	30789	2.175	ng	78
19) n-Nitroso-di-n-propylamine	7.39	70	145390	16.961	ng	# 84
25) Isophorone	7.39	82	1086967	53.886	ng	# 64
50) 2,6-Dinitrotoluene	9.86	165	40978	7.594	ng	# 26
56) 2,4-Dinitrotoluene	9.86	165	40978	5.667	ng	# 23
62) Azobenzene	10.57	77	55754	2.600	ng	# 1
66) 4-Bromophenyl-phenylether	10.65	248	15521	2.392	ng	# 1

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

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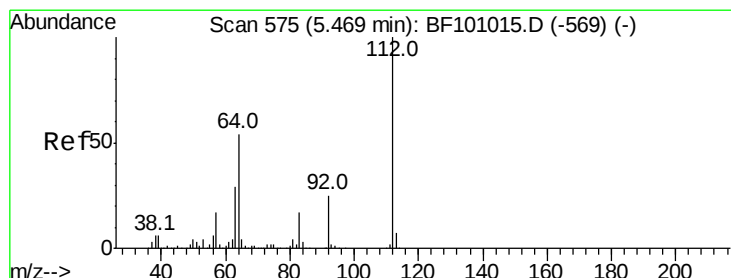
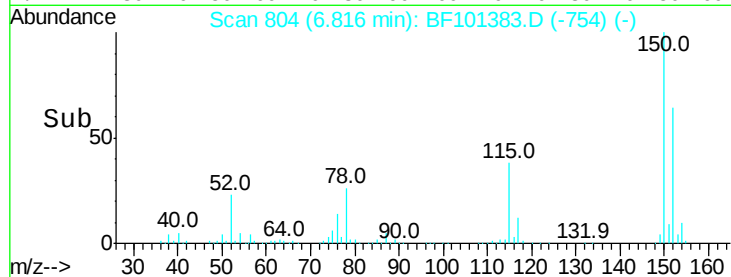
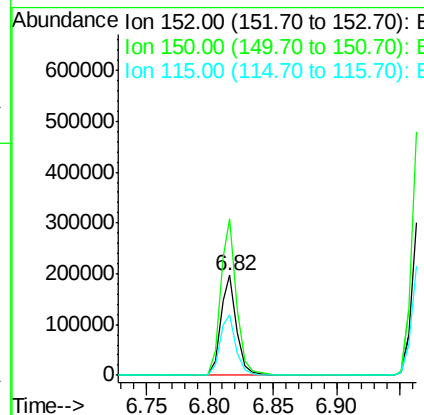
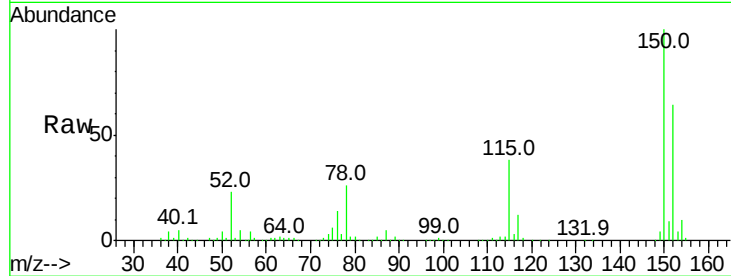


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF101383.D
Acq: 14 Dec 2017 00:15

Instrument :
BNA_F
ClientSampleId :

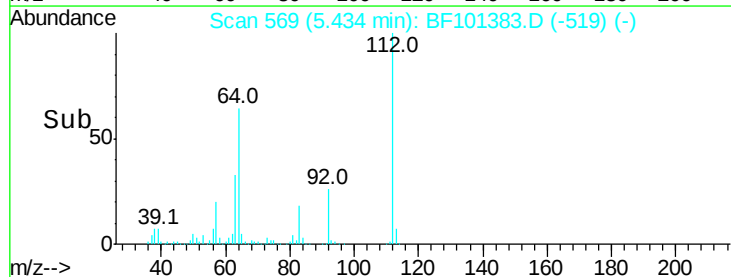
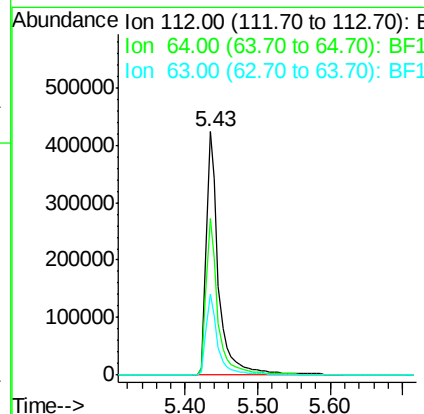
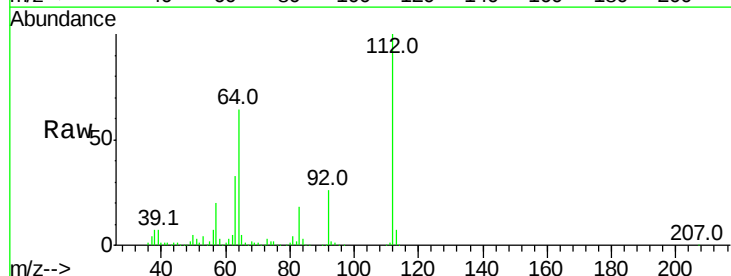
Tot Ion:152 Resp: 173237
Ion Ratio Lower Upper
152 100
150 156.5 124.6 186.8
115 60.1 50.1 75.1



#5

2-Fluorophenol
Concen: 48.162 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF101383.D
Acq: 14 Dec 2017 00:15

Tgt Ion:112 Resp: 504911
Ion Ratio Lower Upper
112 100
64 64.2 47.9 71.9
63 33.1 23.7 35.5





#7

Phenol-d6

Concen: 32.367 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF101383.D

Acq: 14 Dec 2017 00:15

Instrument :

BNA_F

ClientSampleId :

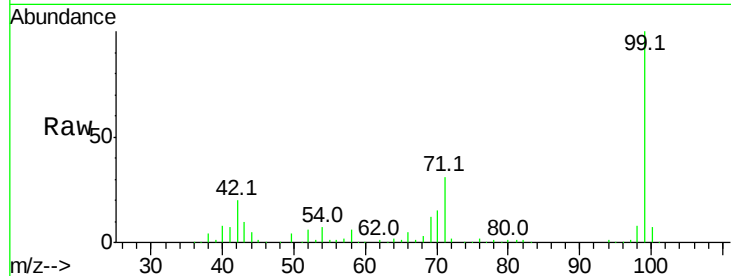
Tot Ion: 99 Resp: 411968

Ion Ratio Lower Upper

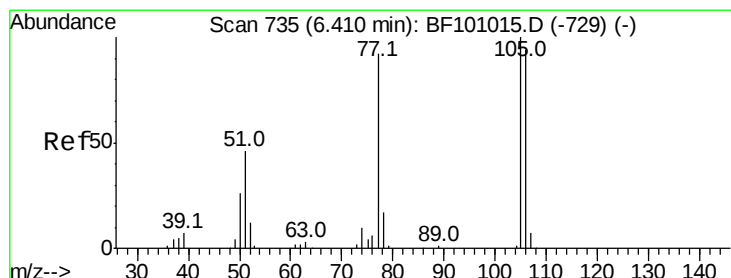
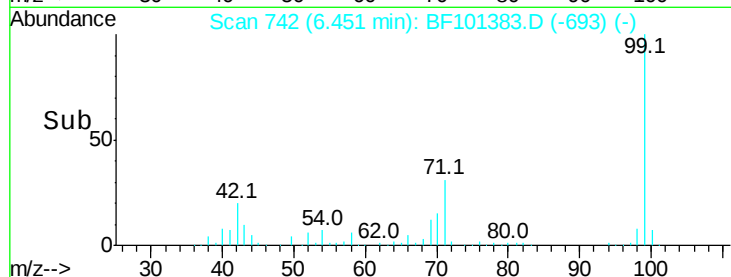
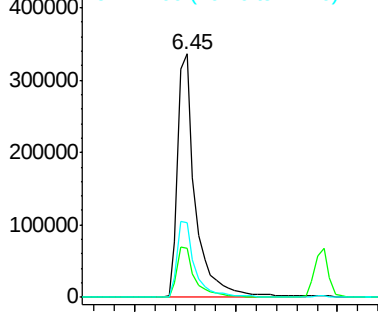
99 100

42 19.9 14.5 21.7

71 30.8 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: 2.421 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.21 min

Lab File: BF101383.D

Acq: 14 Dec 2017 00:15

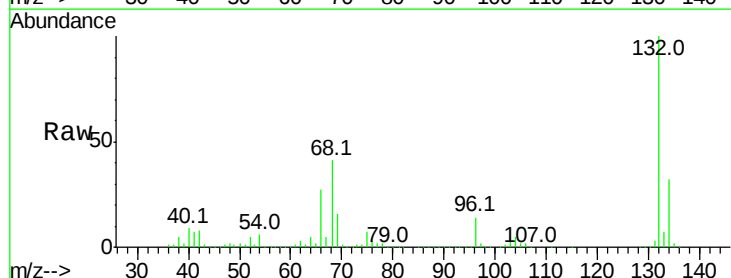
Tgt Ion: 77 Resp: 18861

Ion Ratio Lower Upper

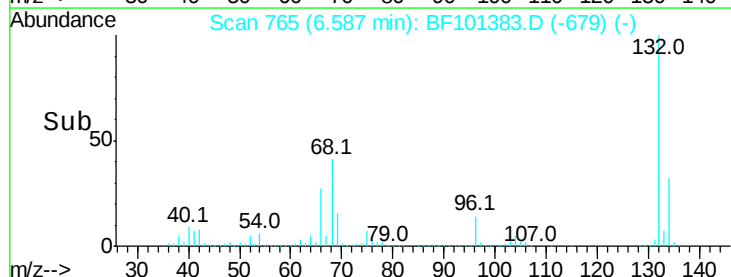
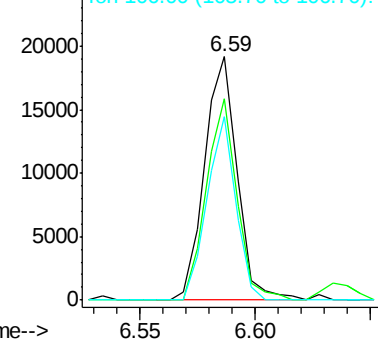
77 100

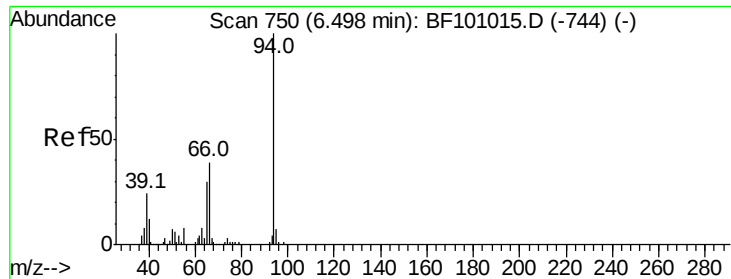
105 82.9 81.1 121.1

106 75.4 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: 2.175 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF101383.D

Acq: 14 Dec 2017 00:15

Instrument :

BNA_F

ClientSampleId :

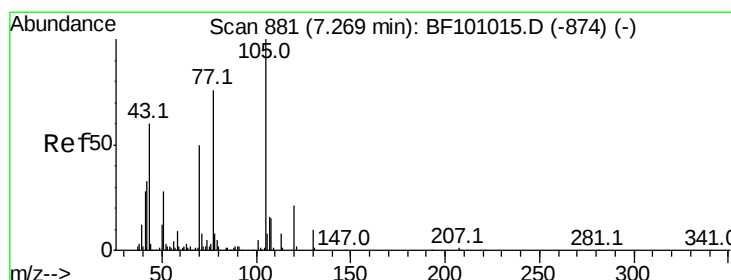
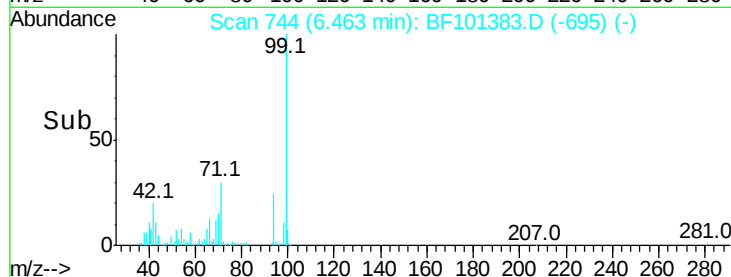
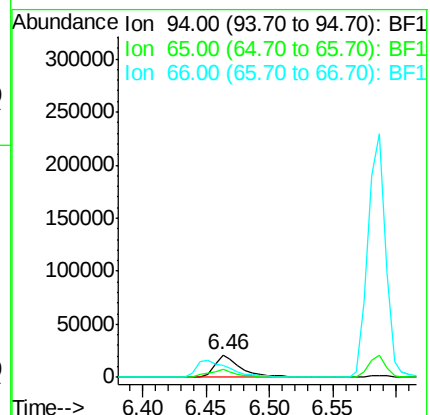
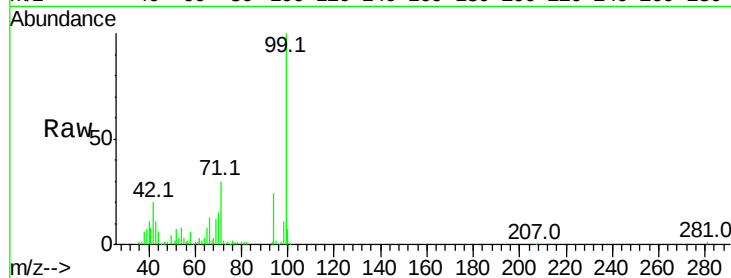
Tot Ion: 94 Resp: 30789

Ion Ratio Lower Upper

94 100

65 33.7 7.9 47.9

66 54.3 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 16.961 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.15 min

Lab File: BF101383.D

Acq: 14 Dec 2017 00:15

Tgt Ion: 70 Resp: 145390

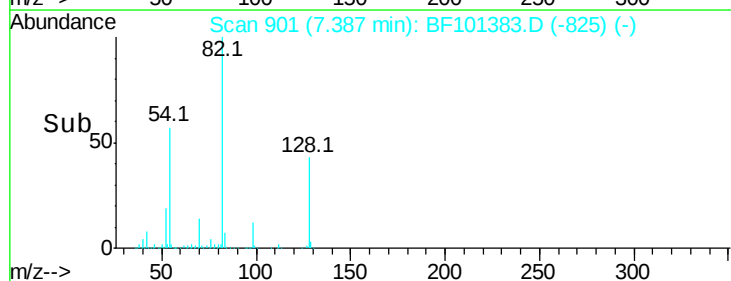
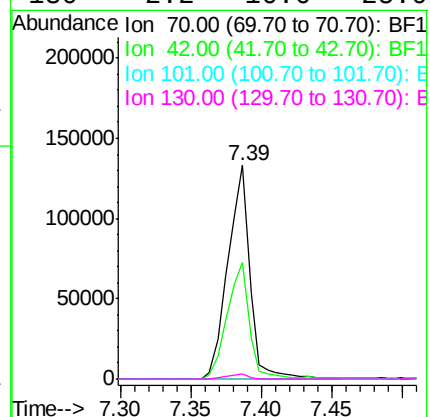
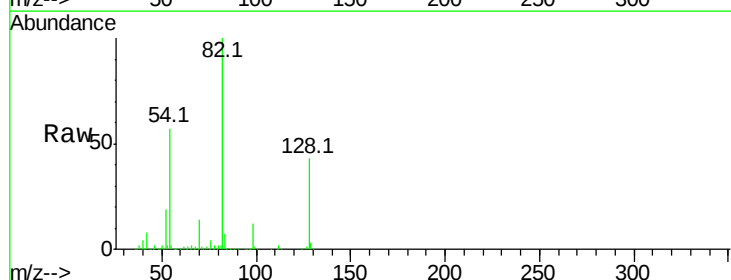
Ion Ratio Lower Upper

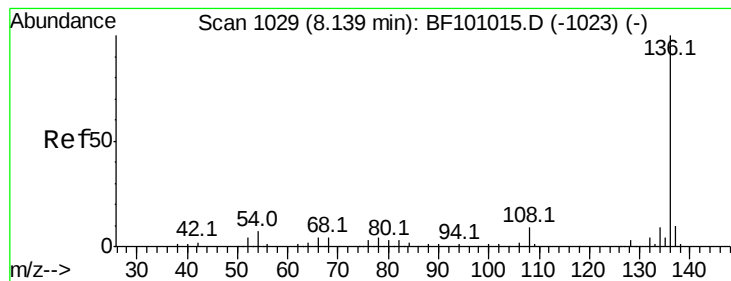
70 100

42 54.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF101383.D

Acq: 14 Dec 2017 00:15

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 704456

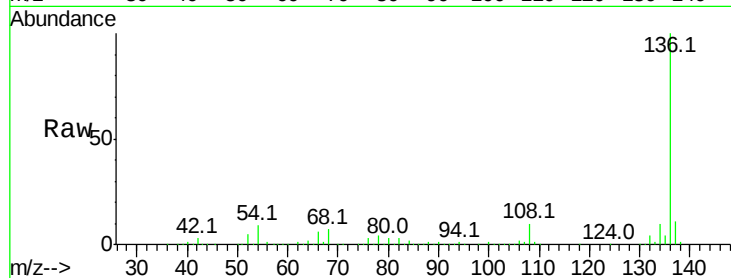
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 9.3 6.6 9.8

68 6.8 5.0 7.4

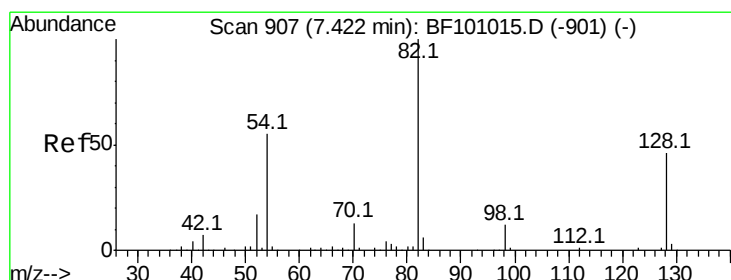
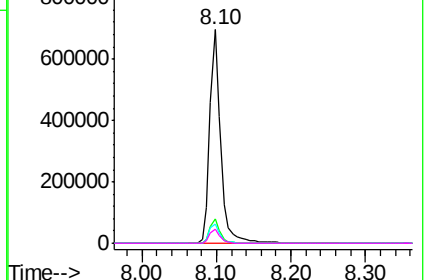
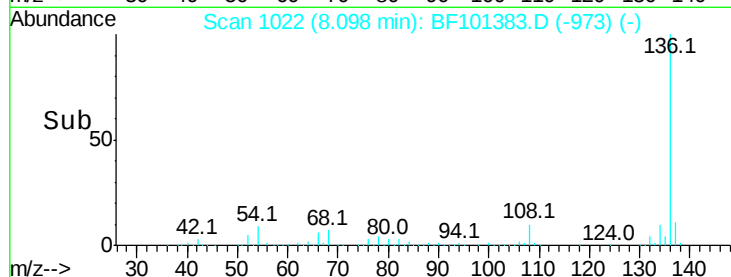


Abundance Ion 136.00 (135.70 to 136.70): E

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: 92.045 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.01 min

Lab File: BF101383.D

Acq: 14 Dec 2017 00:15

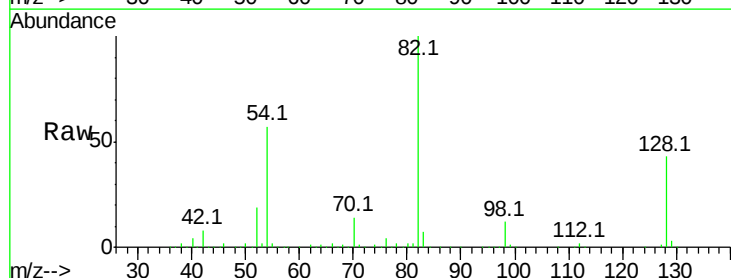
Tgt Ion: 82 Resp: 1086976

Ion Ratio Lower Upper

82 100

128 43.1 36.1 54.1

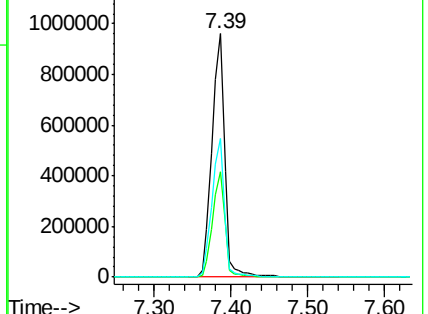
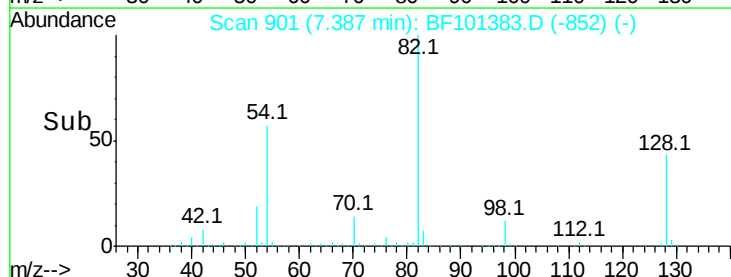
54 57.0 41.4 62.2

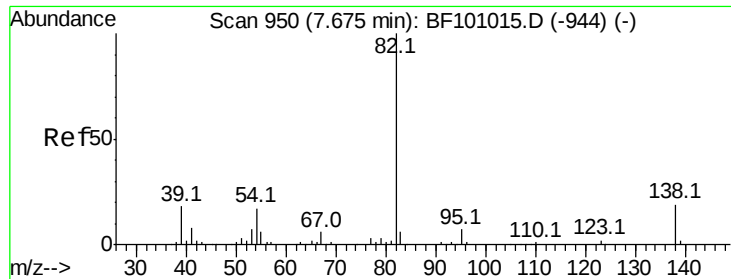


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 53.886 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.26 min

Lab File: BF101383.D

Acq: 14 Dec 2017 00:15

Instrument :

BNA_F

ClientSampleId :

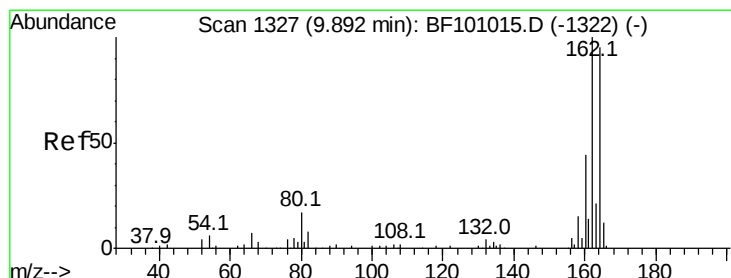
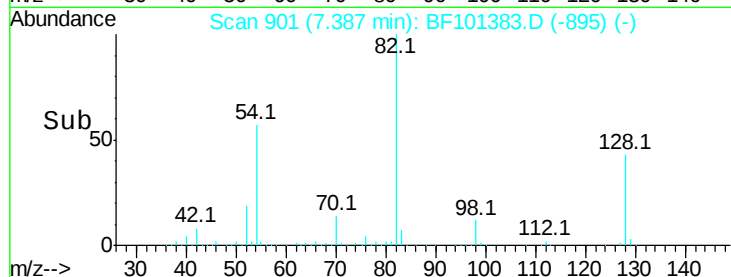
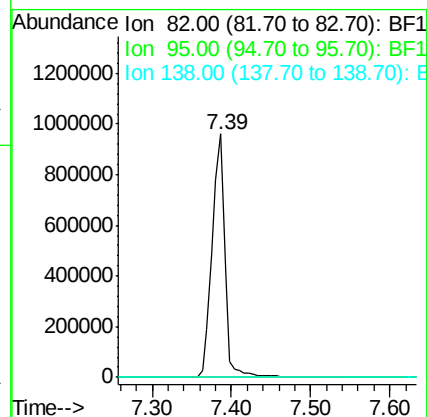
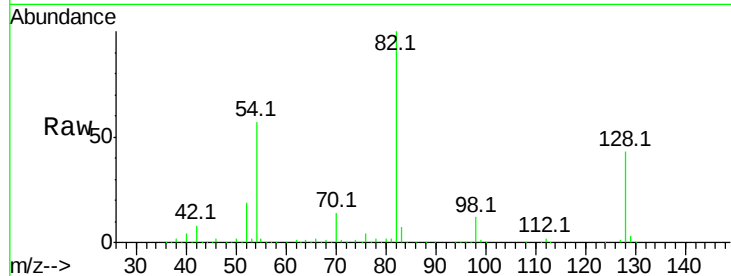
Tot Ion: 82 Resp: 1086967

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF101383.D

Acq: 14 Dec 2017 00:15

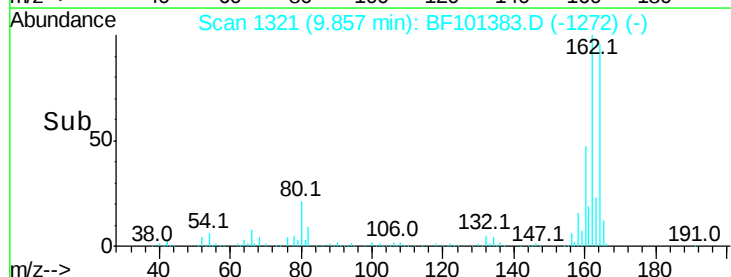
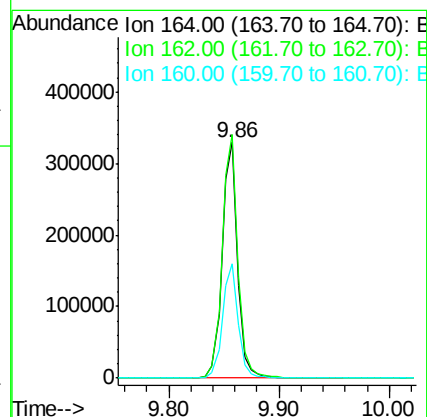
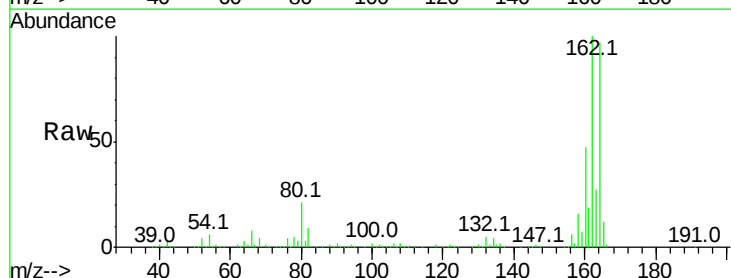
Tgt Ion:164 Resp: 317668

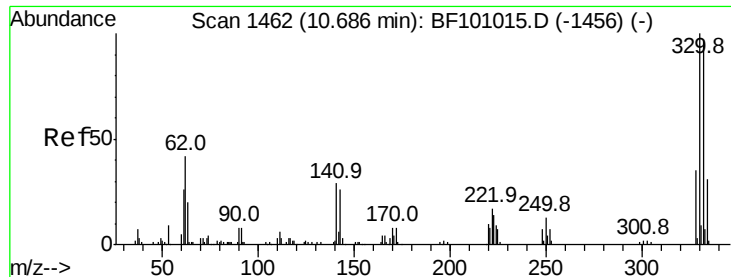
Ion Ratio Lower Upper

164 100

162 103.4 86.1 129.1

160 48.4 38.3 57.5

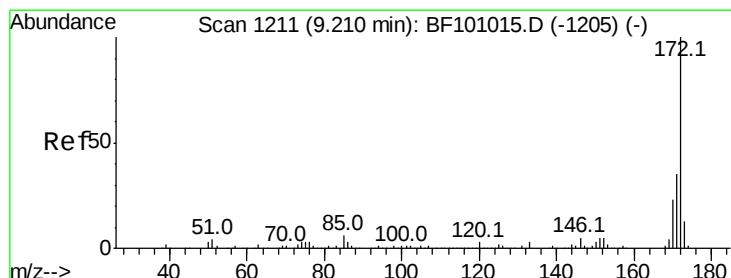
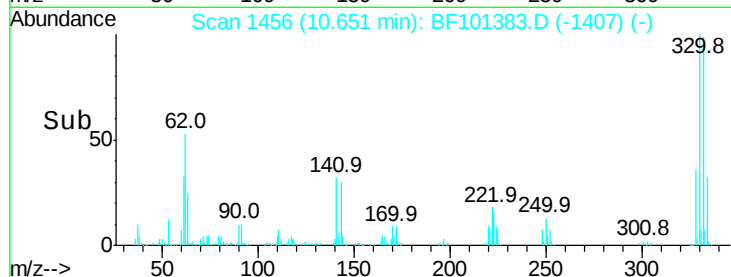
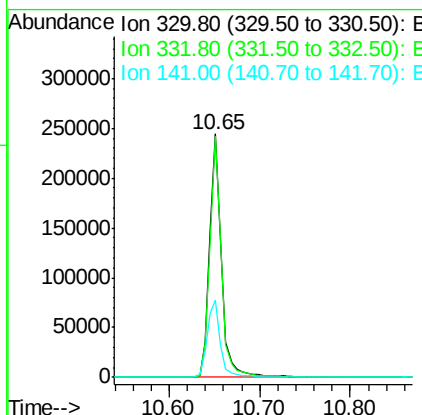
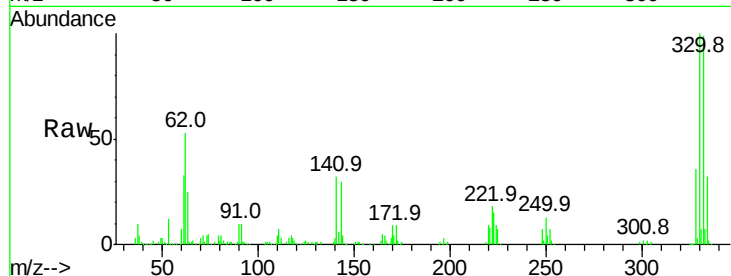




#41
 2,4,6-Tribromophenol
 Concen: 60.461 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: BF101383.D
 Acq: 14 Dec 2017 00:15

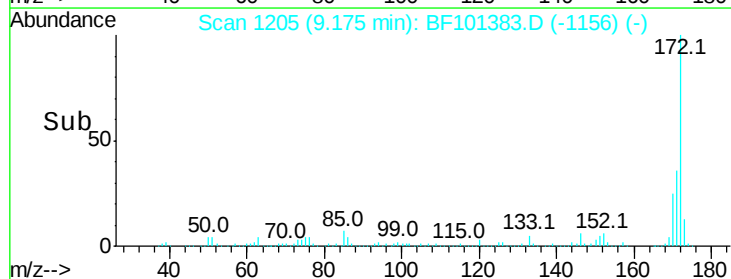
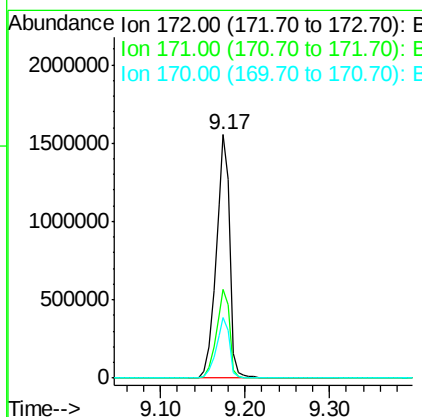
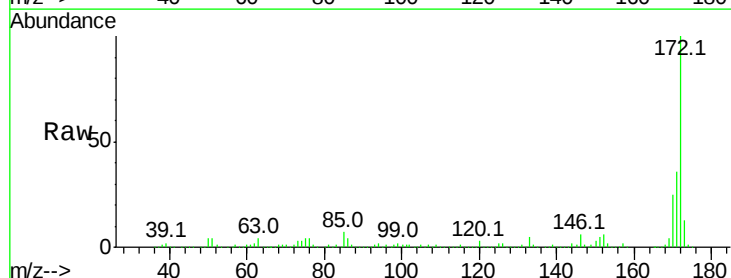
Instrument :
 BNA_F
 ClientSampleId :

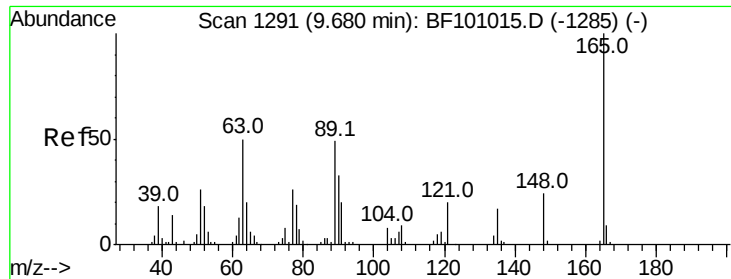
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.0	115.6
141	35.1	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 75.993 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: BF101383.D
 Acq: 14 Dec 2017 00:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.9	19.6	29.4

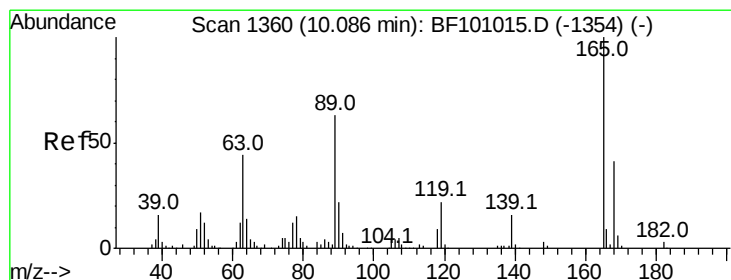
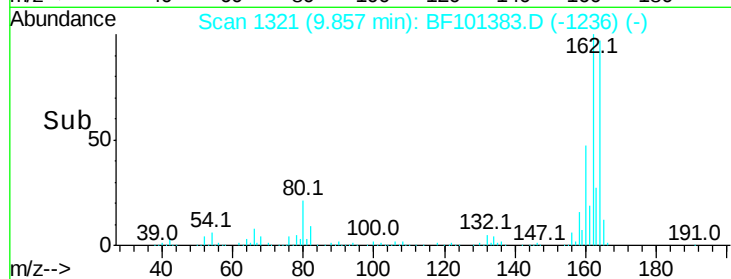
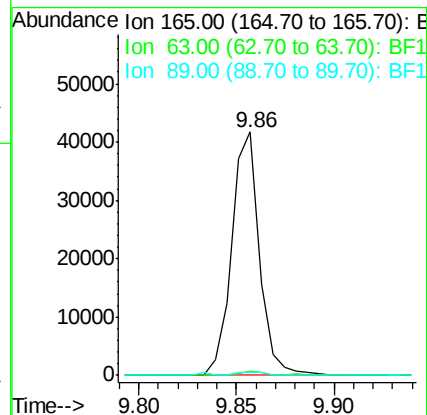
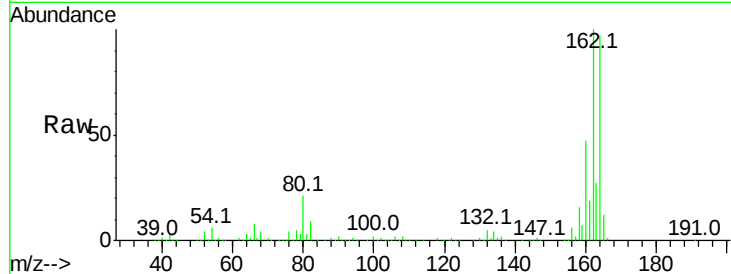




#50
 2,6-Dinitrotoluene
 Concen: 7.594 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. 0.20 min
 Lab File: BF101383.D
 Acq: 14 Dec 2017 00:15

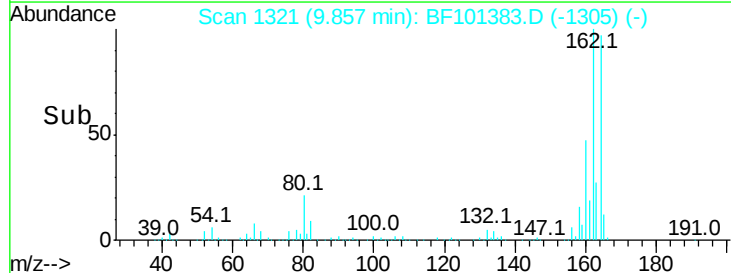
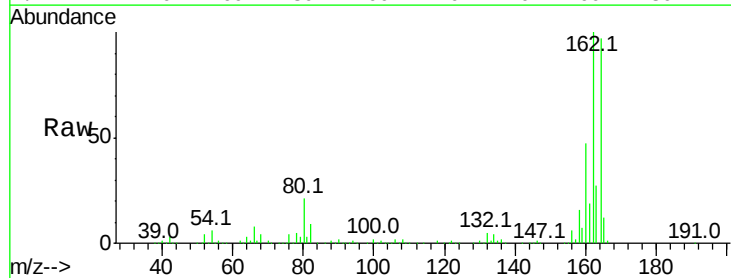
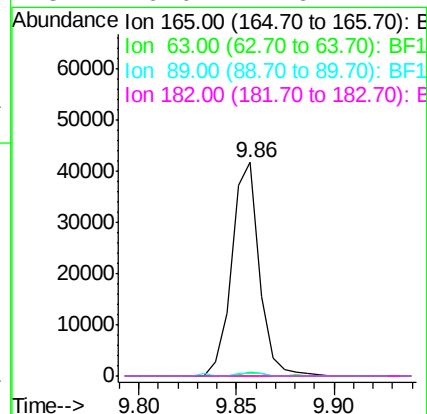
Instrument :
 BNA_F
 ClientSampleId :

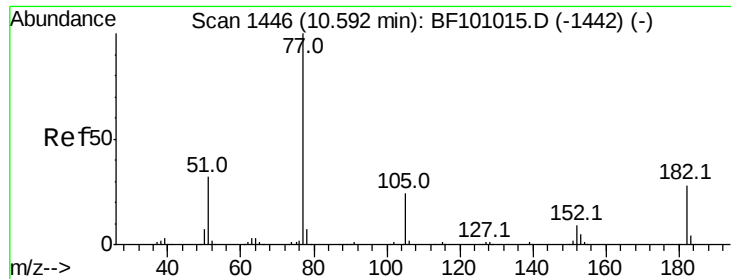
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	44.7	67.1#
89	1.4	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 5.667 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. -0.21 min
 Lab File: BF101383.D
 Acq: 14 Dec 2017 00:15

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#





#62

Azobenzene

Concen: 2.600 ng

RT: 10.57 min Scan# 1442

Delta R.T. 0.00 min

Lab File: BF101383.D

Acq: 14 Dec 2017 00:15

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 55754

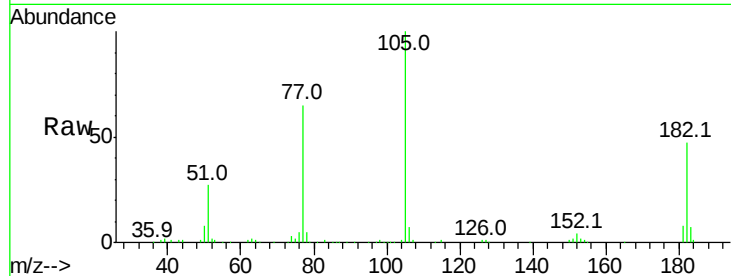
Ion Ratio Lower Upper

77 100

182 71.2 1.7 41.7#

105 153.0 3.0 43.0#

51 42.0 9.9 49.9

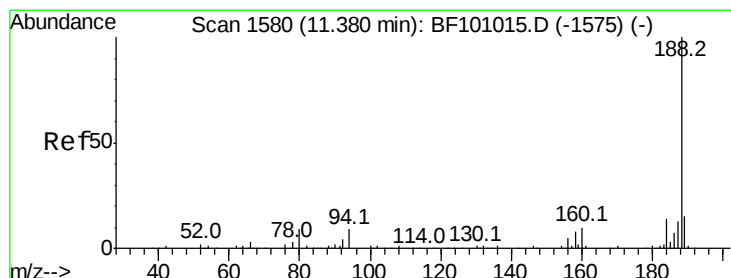
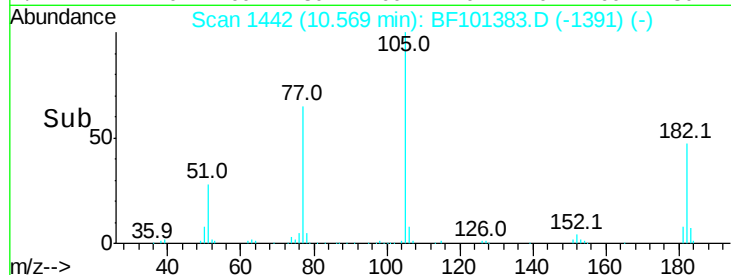
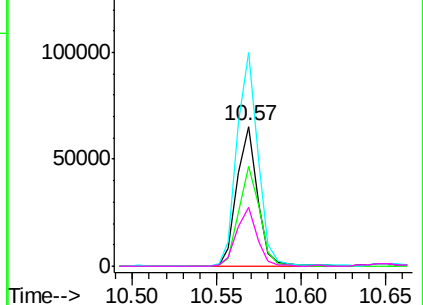


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.35 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BF101383.D

Acq: 14 Dec 2017 00:15

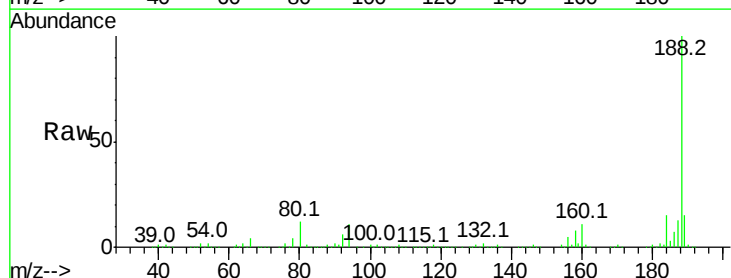
Tgt Ion: 188 Resp: 579695

Ion Ratio Lower Upper

188 100

94 11.3 8.5 12.7

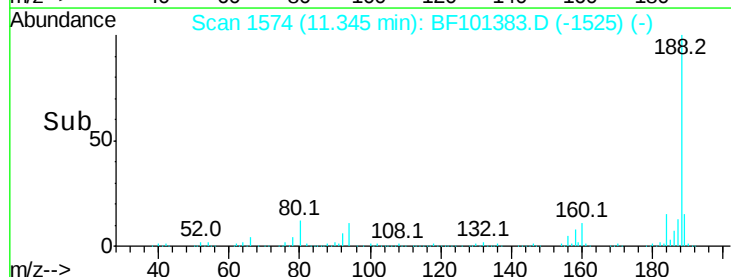
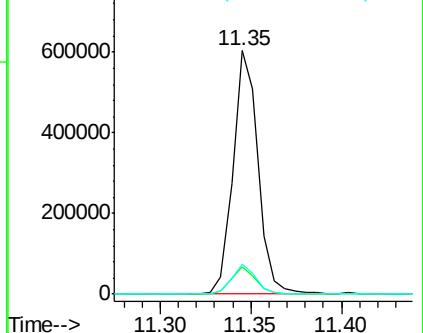
80 12.2 9.2 13.8

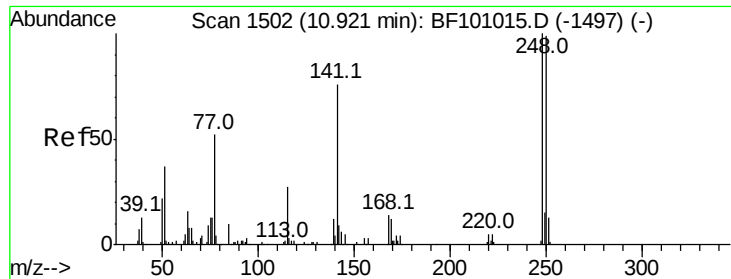


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

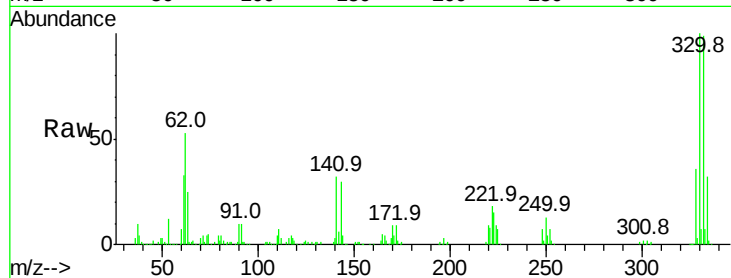




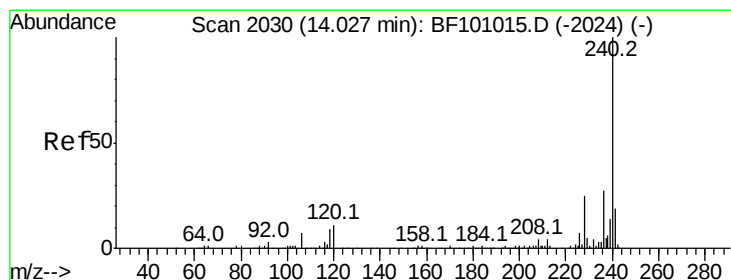
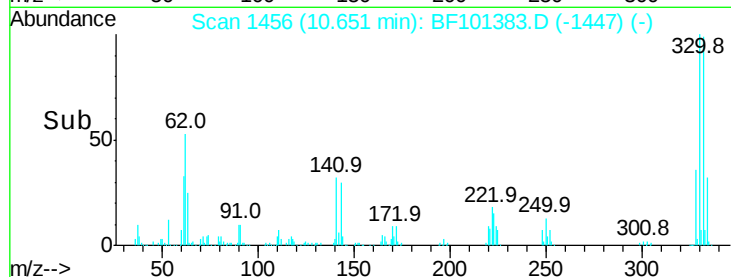
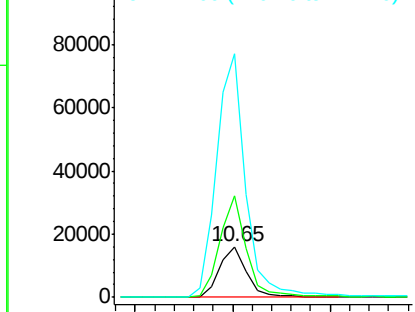
#66
 4-Bromophenyl-phenylether
 Concen: 2.392 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.25 min
 Lab File: BF101383.D
 Acq: 14 Dec 2017 00:15

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 15521
 Ion Ratio Lower Upper
 248 100
 250 201.7 76.9 115.3#
 141 482.9 74.4 111.6#

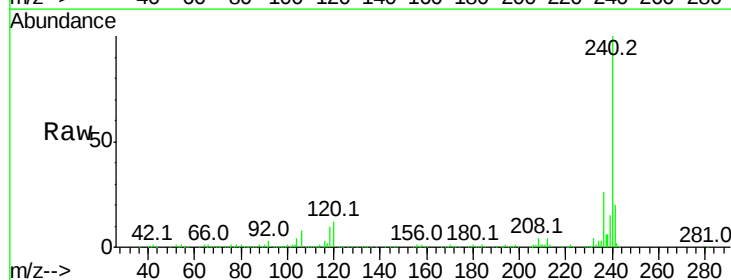


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

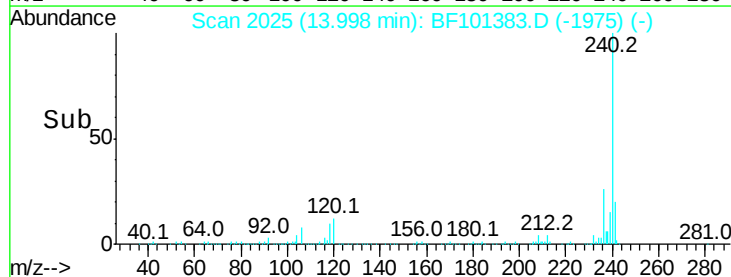
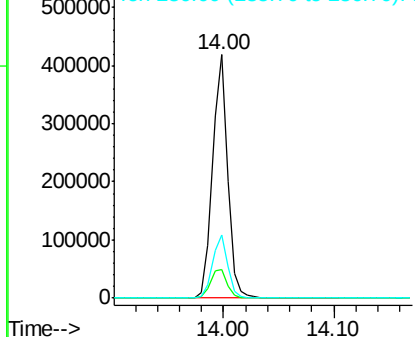


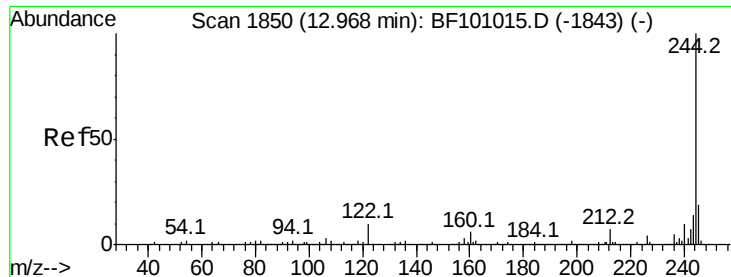
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.01 min
 Lab File: BF101383.D
 Acq: 14 Dec 2017 00:15

Tgt Ion:240 Resp: 389458
 Ion Ratio Lower Upper
 240 100
 120 11.8 9.5 14.3
 236 25.9 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

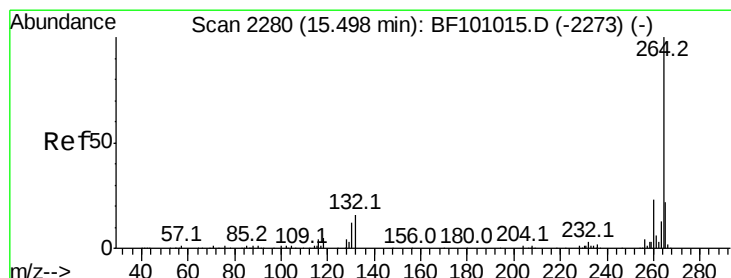
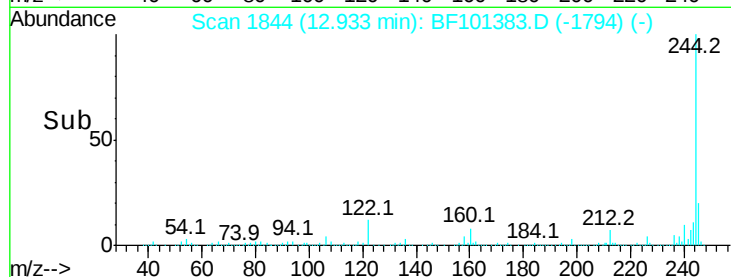
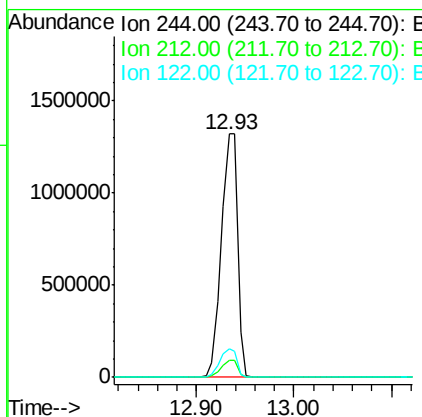
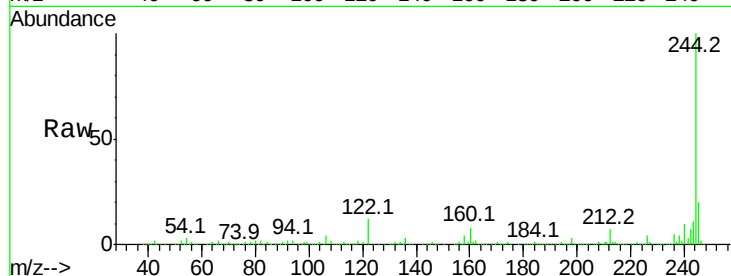




#78
 Terphenyl-d14
 Concen: 86.081 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. -0.01 min
 Lab File: BF101383.D
 Acq: 14 Dec 2017 00:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1532737
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.4 8.0
 122 11.7 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. 0.00 min
 Lab File: BF101383.D
 Acq: 14 Dec 2017 00:15

Tgt Ion:264 Resp: 319350
 Ion Ratio Lower Upper
 264 100
 260 22.8 19.2 28.8
 265 20.7 17.5 26.3

