

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092718\
 Data File : BF109426.D
 Acq On : 28 Sep 2018 10:58
 Operator : JU/SJ
 Sample : J5133-06
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 28 11:55:34 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	106010	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	399859	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	184115	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	303740	20.00	ng	0.00
75) Chrysene-d12	13.84	240	244997	20.00	ng	0.00
86) Perylene-d12	15.24	264	199785	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	264791	41.14	ng	0.00
7) Phenol-d6	6.34	99	220854	26.89	ng	-0.02
23) Nitrobenzene-d5	7.27	82	686641	101.37	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	155935	85.92	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	1225517	100.39	ng	0.00
78) Terphenyl-d14	12.80	244	977480	97.92	ng	0.00

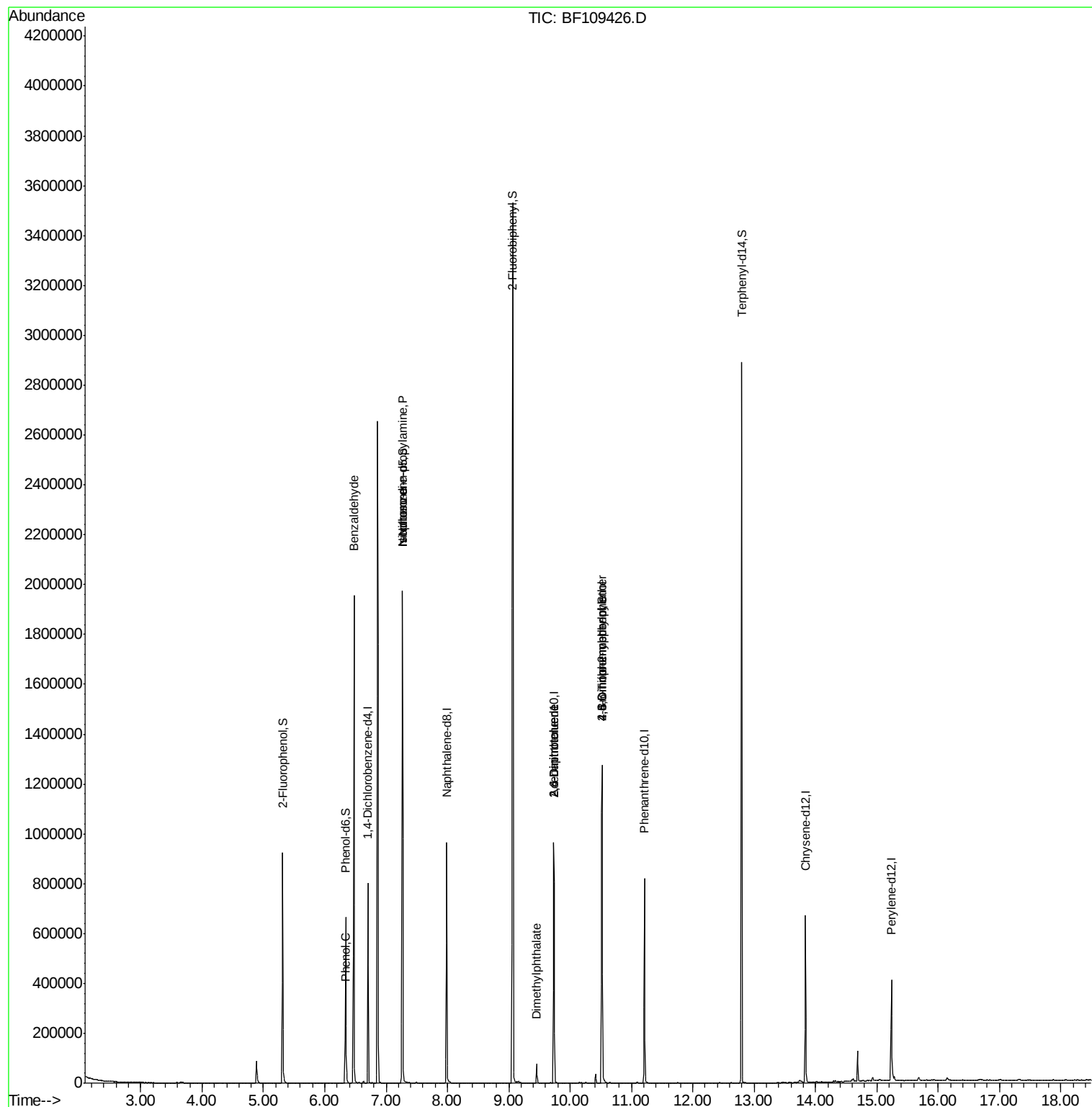
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.47	77	11680	2.214	ng	# 75
10) Phenol	6.35	94	22252	2.392	ng	# 97
19) n-Nitroso-di-n-propylamine	7.27	70	91285	16.963	ng	# 79
25) Isophorone	7.27	82	653395	53.568	ng	# 64
49) Dimethylphthalate	9.46	163	35811	2.674	ng	# 99
50) 2,6-Dinitrotoluene	9.73	165	23048	8.690	ng	# 25
56) 2,4-Dinitrotoluene	9.73	165	23048	6.868	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.52	198	126	6.609	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	9678	2.869	ng	# 1

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

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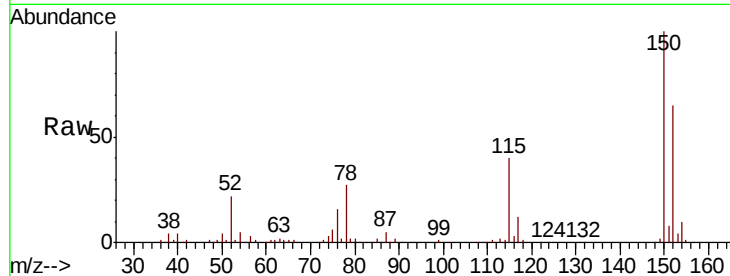


#1

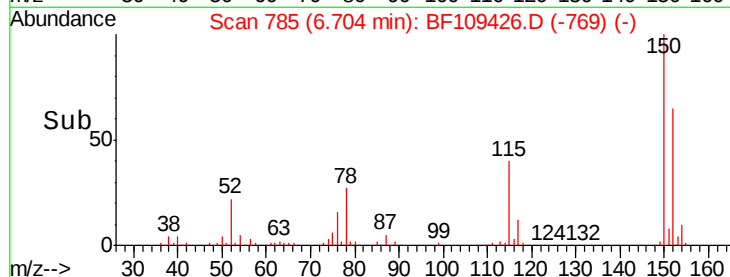
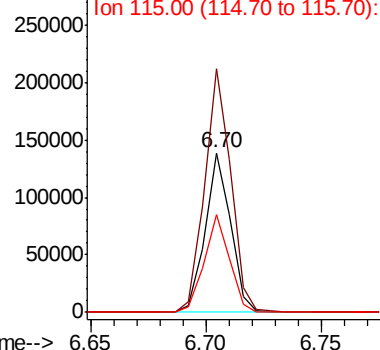
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109426.D
Acq: 28 Sep 2018 10:58

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 106010
Ion Ratio Lower Upper
152 100
150 153.0 124.6 186.8
115 61.7 50.1 75.1



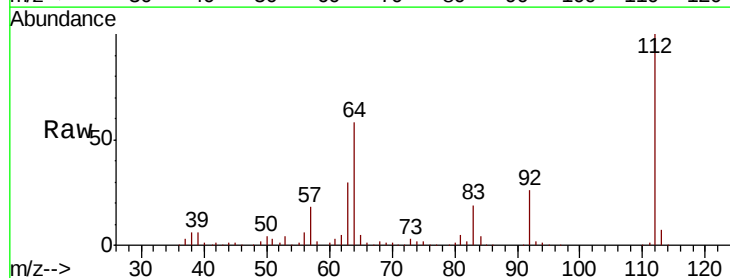
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



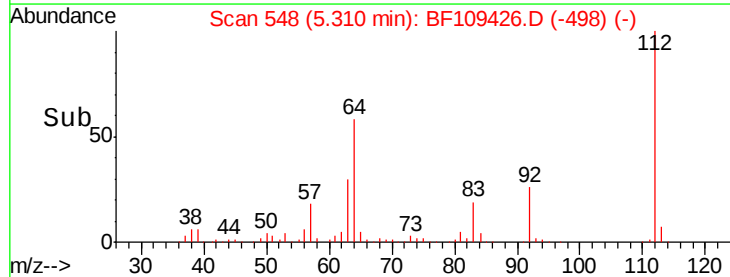
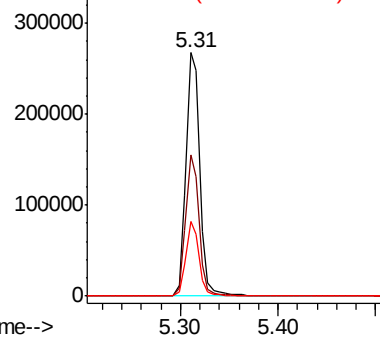
#5

2-Fluorophenol
Concen: 41.141 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF109426.D
Acq: 28 Sep 2018 10:58

Tgt Ion:112 Resp: 264791
Ion Ratio Lower Upper
112 100
64 58.2 47.9 71.9
63 30.4 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: 26.891 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109426.D

Acq: 28 Sep 2018 10:58

Instrument :

BNA_F

ClientSampleId :

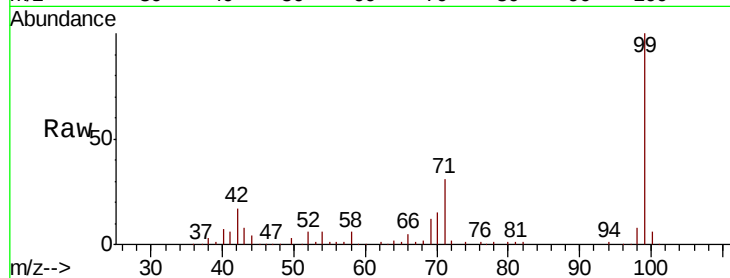
Tot Ion: 99 Resp: 220854

Ion Ratio Lower Upper

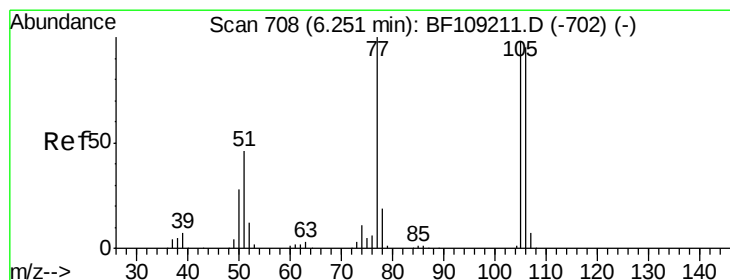
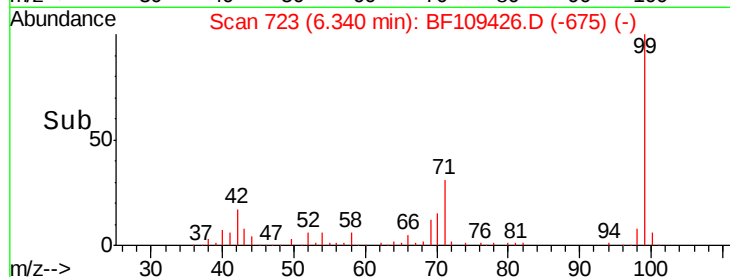
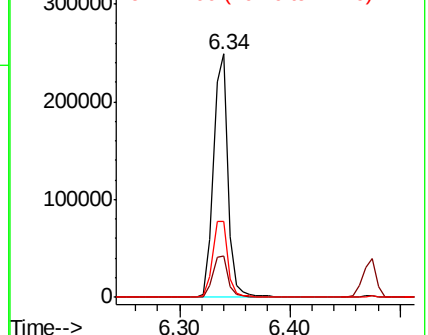
99 100

42 17.0 14.5 21.7

71 31.3 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: 2.214 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.22 min

Lab File: BF109426.D

Acq: 28 Sep 2018 10:58

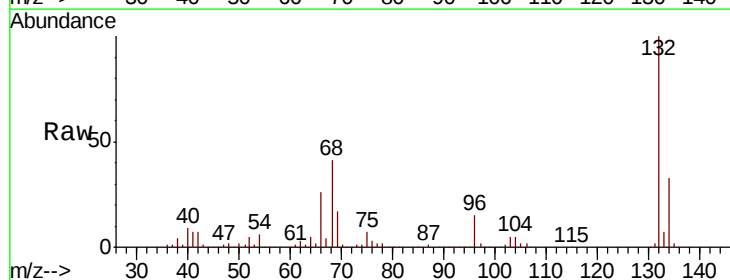
Tgt Ion: 77 Resp: 11680

Ion Ratio Lower Upper

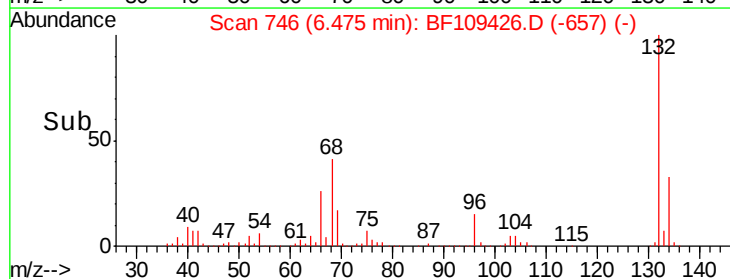
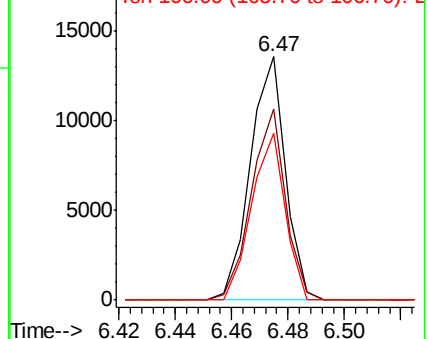
77 100

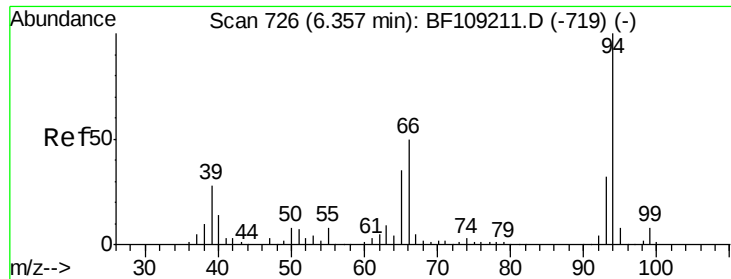
105 78.4 81.1 121.1#

106 68.7 74.5 114.5#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

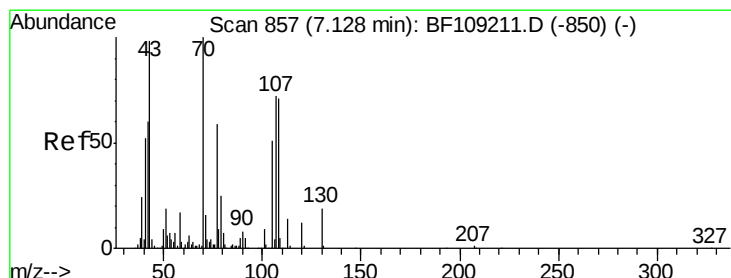
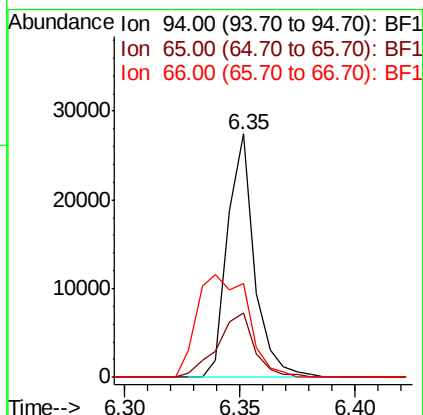
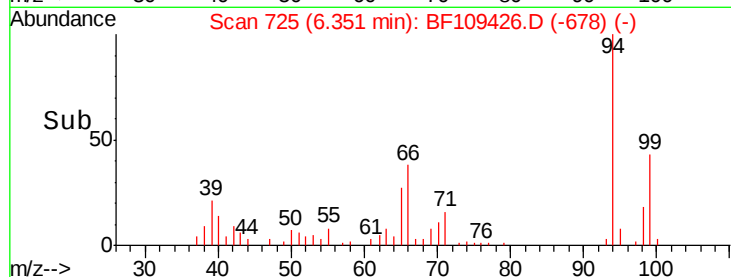
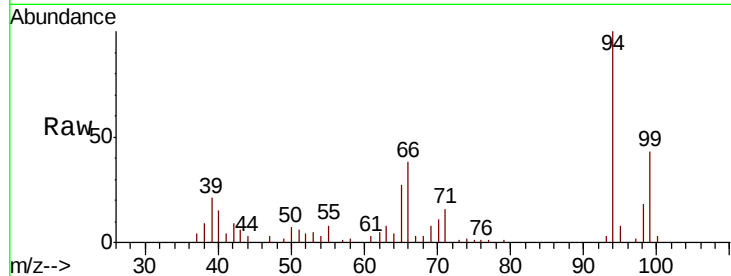




#10
Phenol
Concen: 2.392 ng
RT: 6.35 min Scan# 725
Delta R.T. -0.02 min
Lab File: BF109426.D
Acq: 28 Sep 2018 10:58

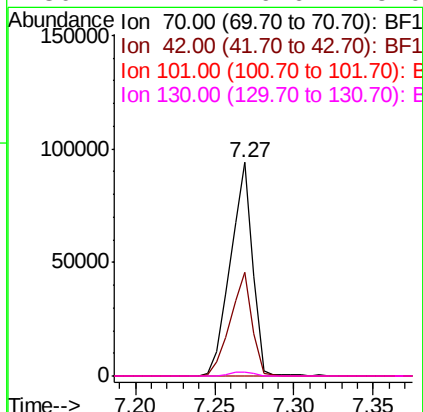
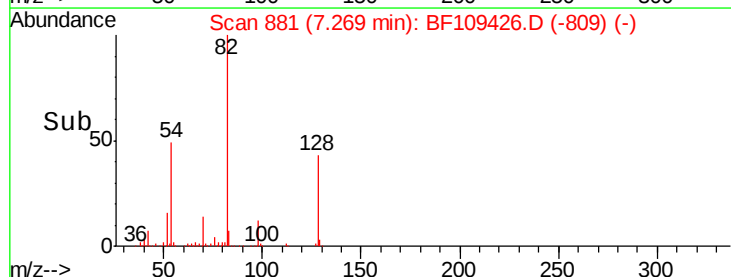
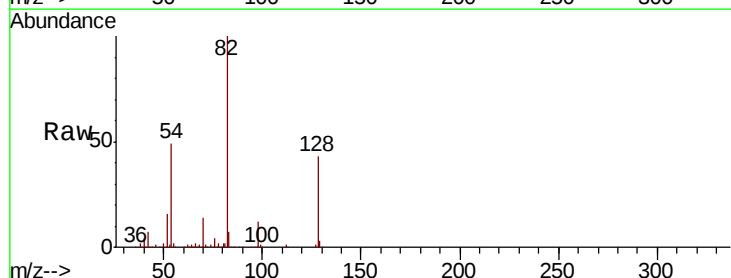
Instrument :
BNA_F
ClientSampleId :

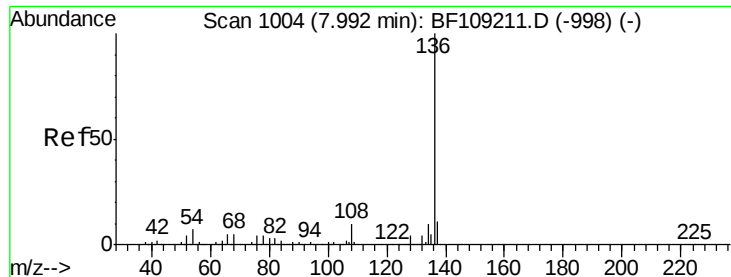
Tot Ion: 94 Resp: 22252
Ion Ratio Lower Upper
94 100
65 26.6 7.9 47.9
66 38.5 16.2 56.2



#19
n-Nitroso-di-n-propylamine
Concen: 16.963 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.12 min
Lab File: BF109426.D
Acq: 28 Sep 2018 10:58

Tgt Ion: 70 Resp: 91285
Ion Ratio Lower Upper
70 100
42 48.8 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# 1003

Delta R.T. -0.01 min

Lab File: BF109426.D

Acq: 28 Sep 2018 10:58

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 399859

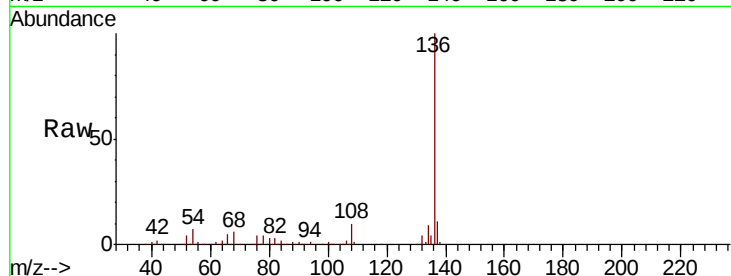
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 7.0 6.6 9.8

68 5.7 5.0 7.4

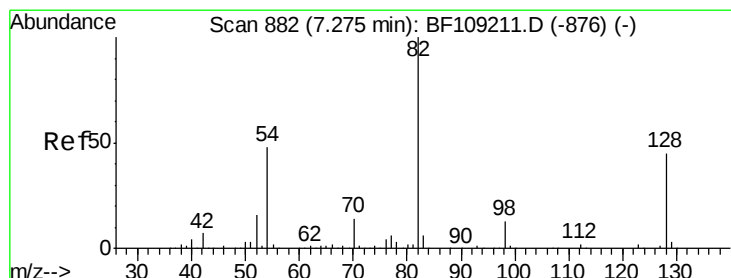
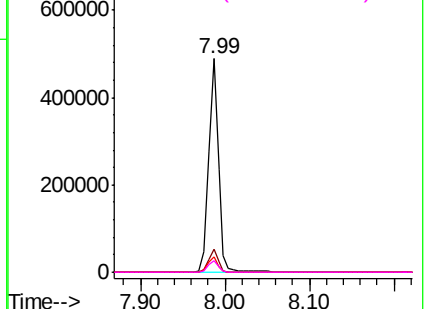
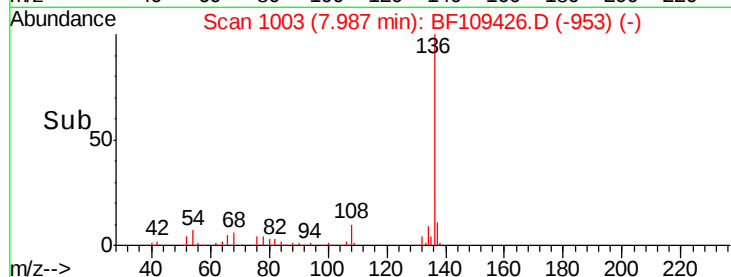


Abundance Ion 136.00 (135.70 to 136.70): E

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: 101.369 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF109426.D

Acq: 28 Sep 2018 10:58

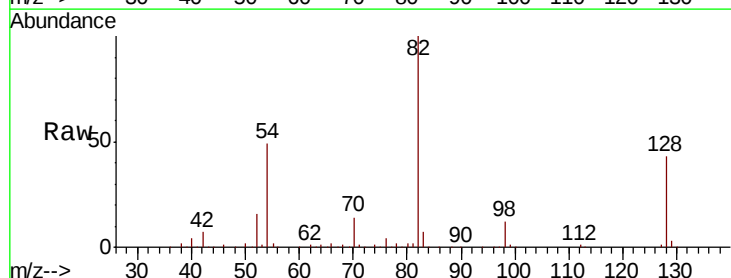
Tgt Ion: 82 Resp: 686641

Ion Ratio Lower Upper

82 100

128 43.3 36.1 54.1

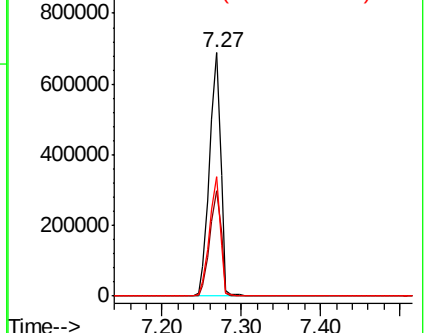
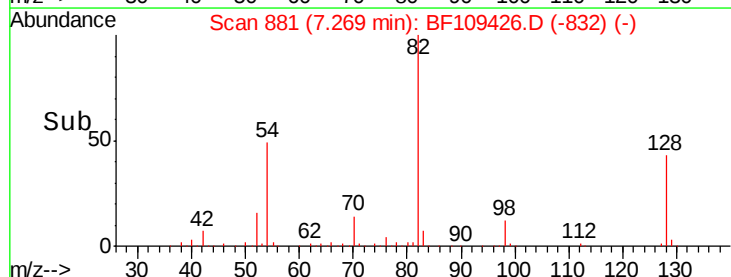
54 49.1 41.4 62.2

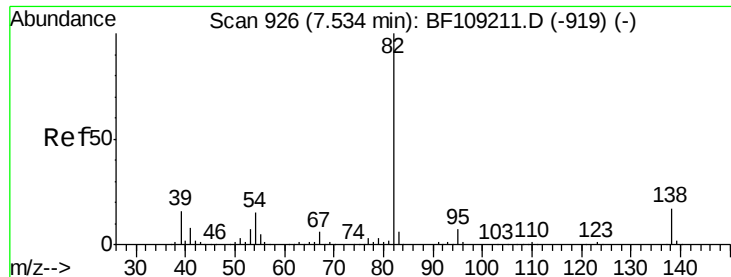


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 53.568 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.28 min

Lab File: BF109426.D

Acq: 28 Sep 2018 10:58

Instrument :

BNA_F

ClientSampled :

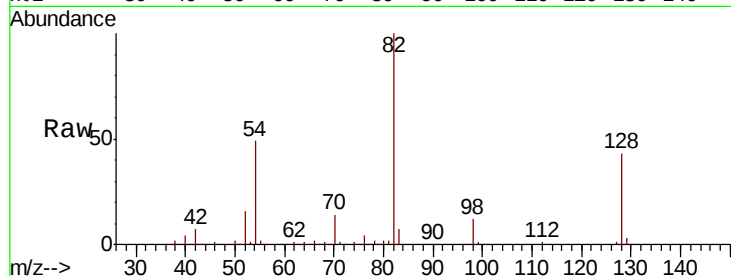
Tot Ion: 82 Resp: 653395

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

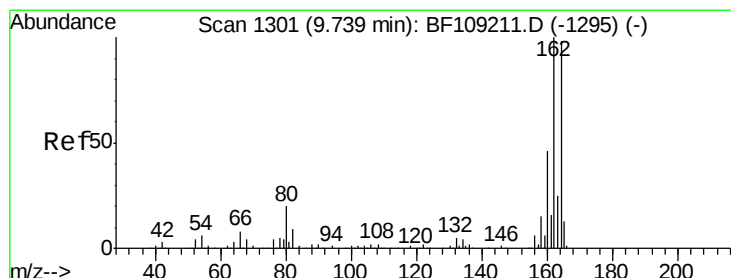
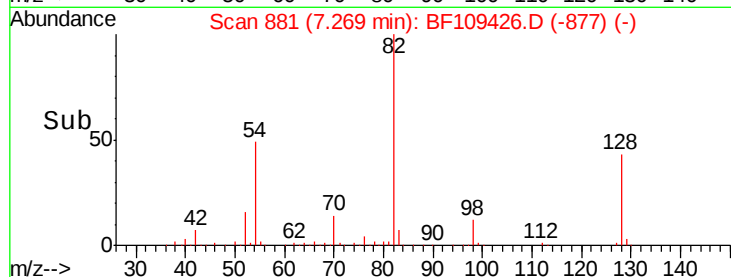
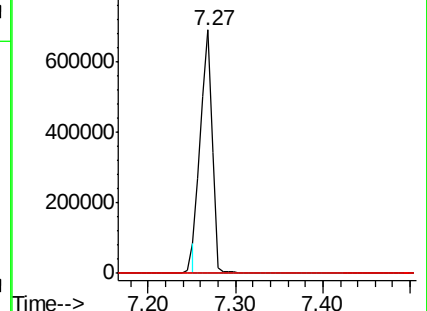
138 0.0 14.9 22.3#



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: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF109426.D

Acq: 28 Sep 2018 10:58

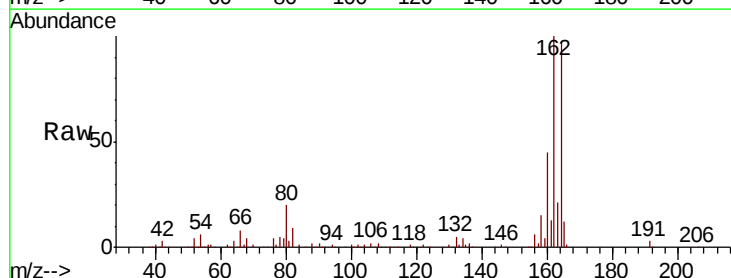
Tgt Ion: 164 Resp: 184115

Ion Ratio Lower Upper

164 100

162 102.6 86.1 129.1

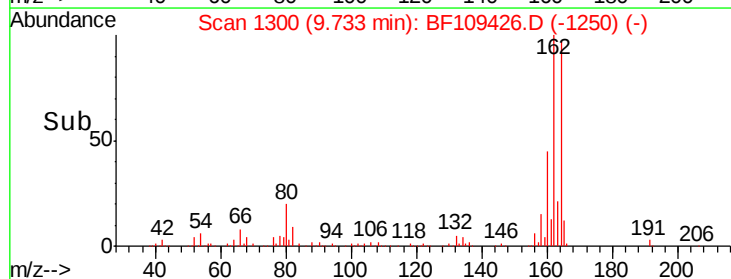
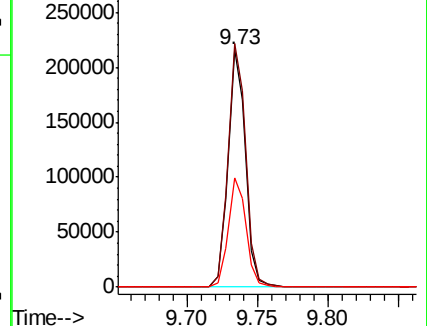
160 46.0 38.3 57.5

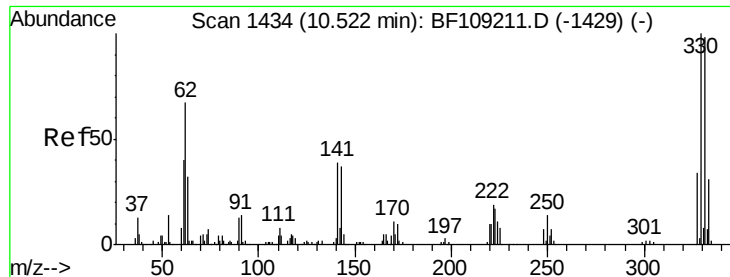


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

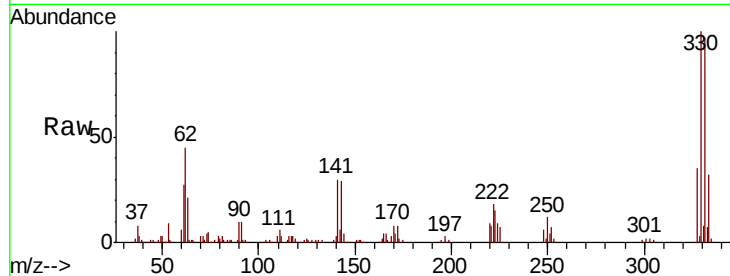




#41
 2,4,6-Tribromophenol
 Concen: 85.915 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109426.D
 Acq: 28 Sep 2018 10:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.0	115.6
141	33.9	29.9	44.9

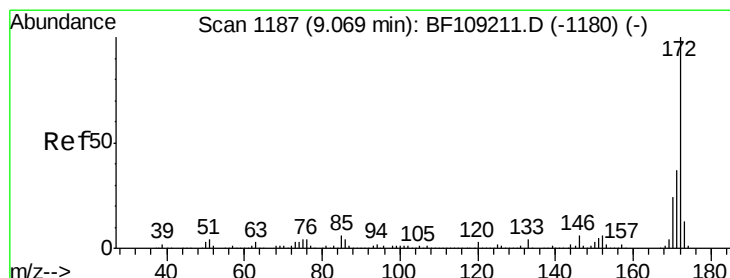
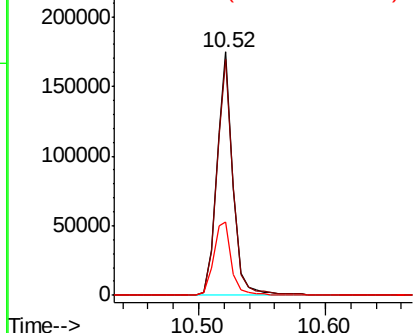
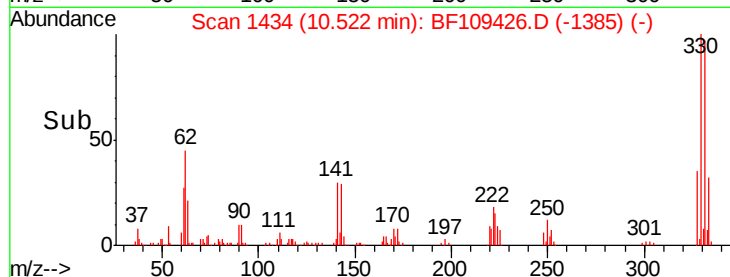


Abundance

Ion 329.80 (329.50 to 330.50): E

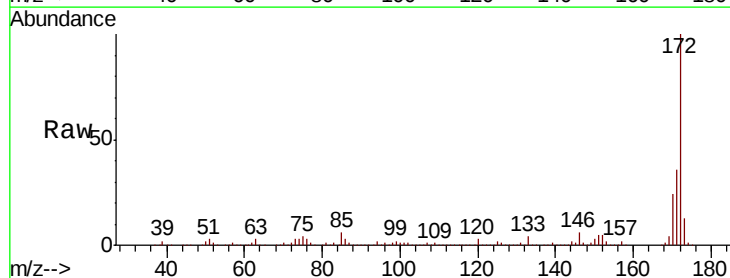
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 100.389 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF109426.D
 Acq: 28 Sep 2018 10:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.2	19.6	29.4

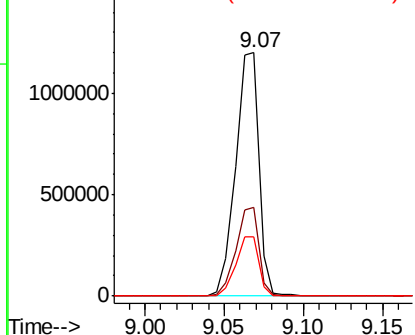
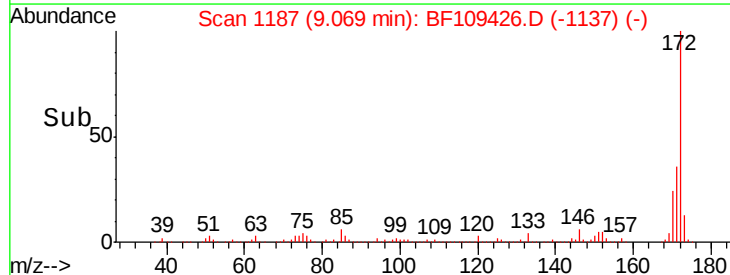


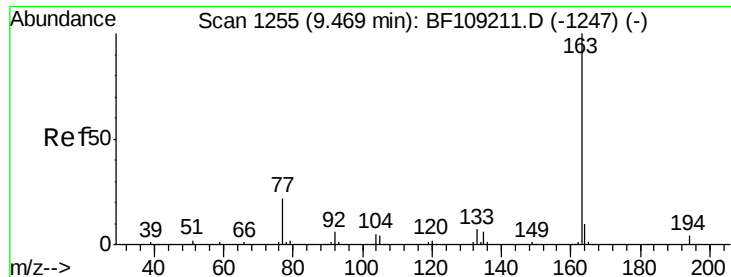
Abundance

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

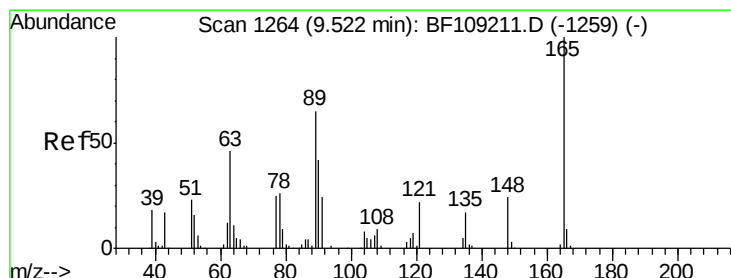
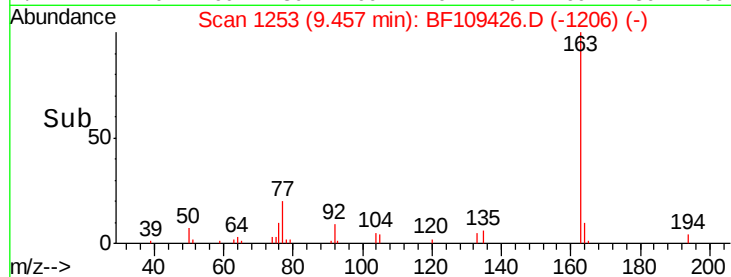
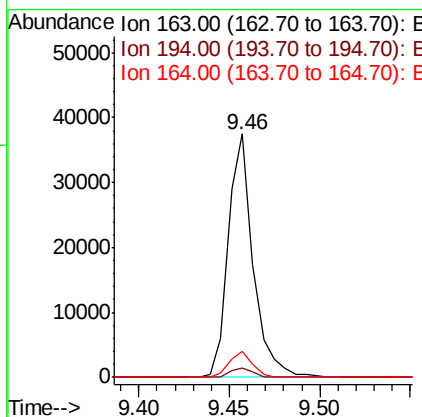
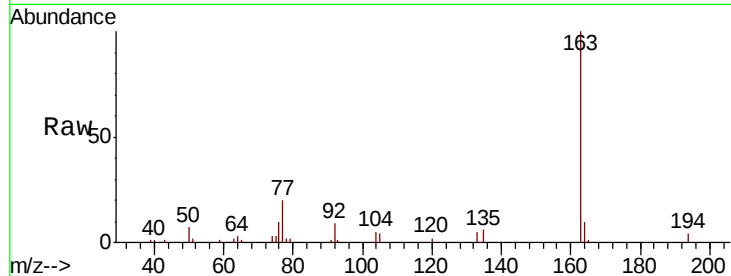




#49
 Dimethylphthalate
 Concen: 2.674 ng
 RT: 9.46 min Scan# 1253
 Delta R.T. -0.02 min
 Lab File: BF109426.D
 Acq: 28 Sep 2018 10:58

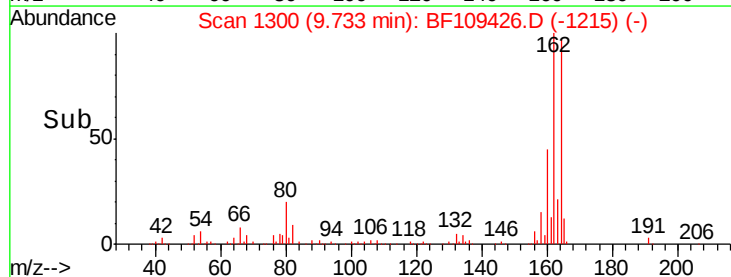
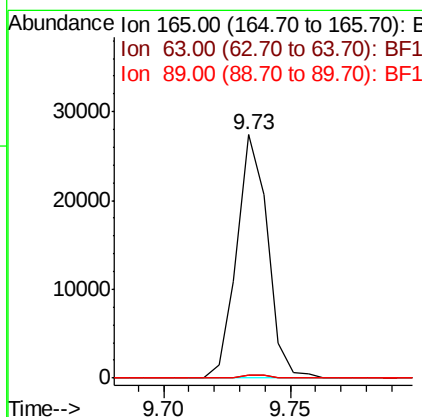
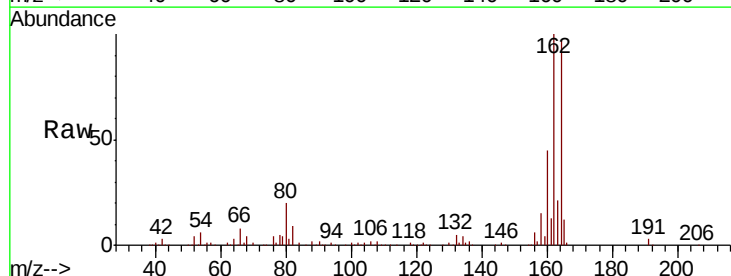
Instrument :
 BNA_F
 ClientSampled :

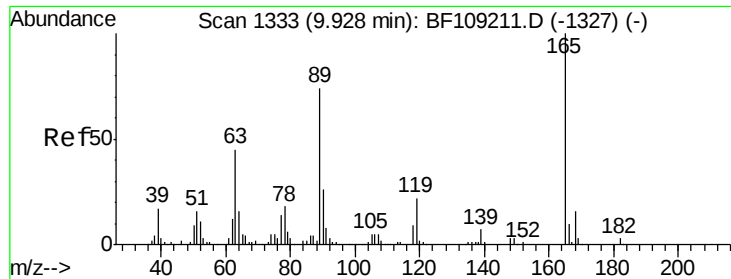
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.7	4.1
164	10.5	8.2	12.2



#50
 2,6-Dinitrotoluene
 Concen: 8.690 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. 0.20 min
 Lab File: BF109426.D
 Acq: 28 Sep 2018 10:58

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.4	44.0	66.0#

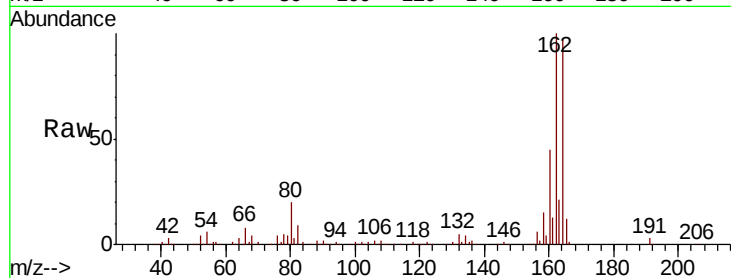




#56
 2,4-Dinitrotoluene
 Concen: 6.868 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.21 min
 Lab File: BF109426.D
 Acq: 28 Sep 2018 10:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#



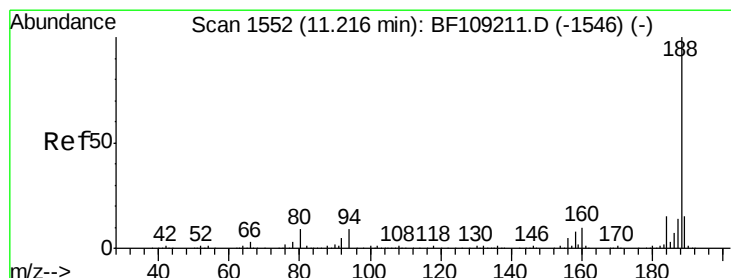
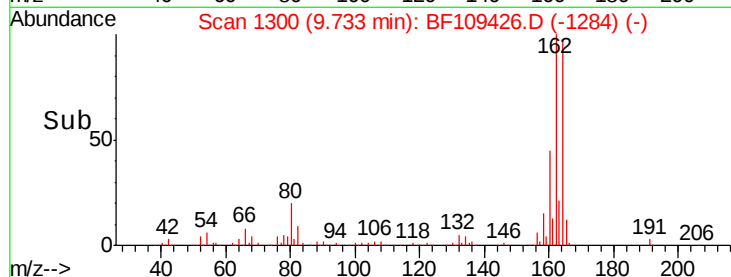
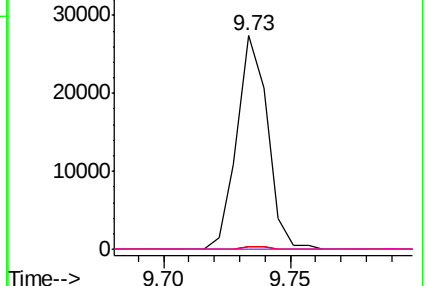
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

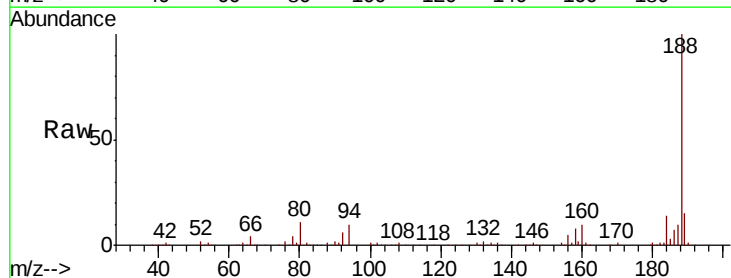
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF109426.D
 Acq: 28 Sep 2018 10:58

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.5	12.7
80	10.9	9.2	13.8

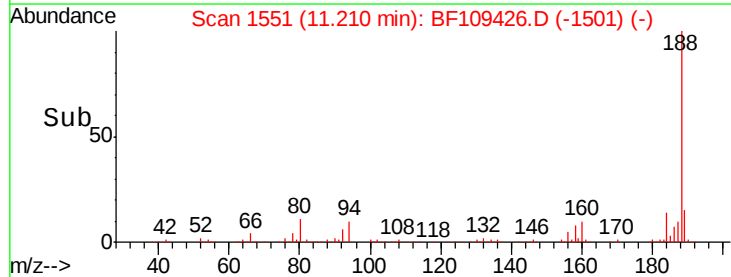
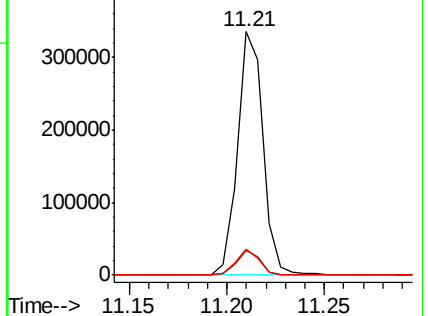


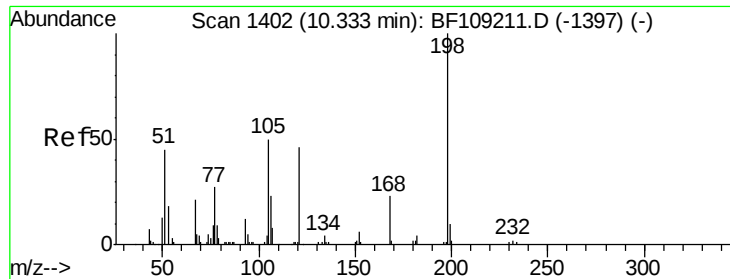
Abundance

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

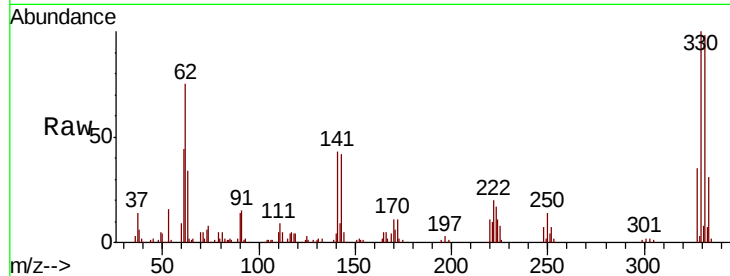




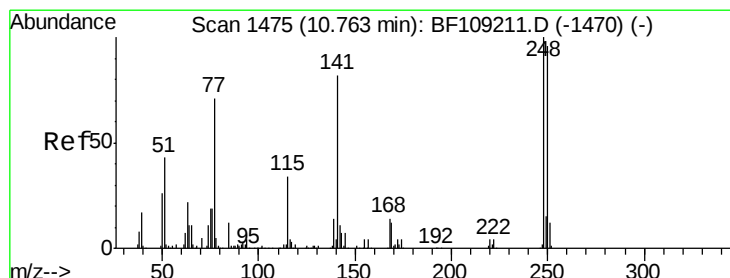
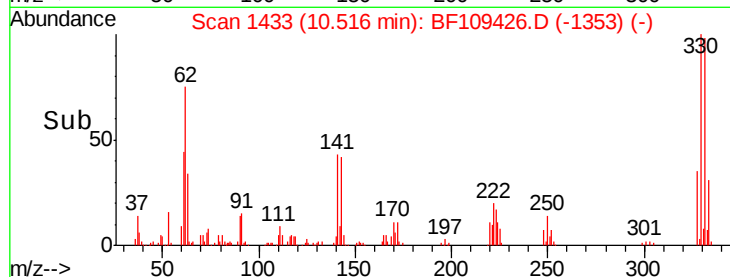
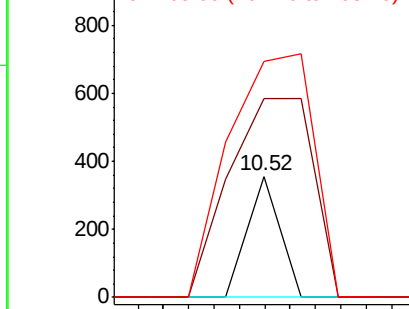
#64
4,6-Dinitro-2-methylphenol
Concen: 6.609 ng
RT: 10.52 min Scan# 1433
Delta R.T. 0.17 min
Lab File: BF109426.D
Acq: 28 Sep 2018 10:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 126
Ion Ratio Lower Upper
198 100
51 163.3 37.7 77.7#
105 194.7 36.3 76.3#

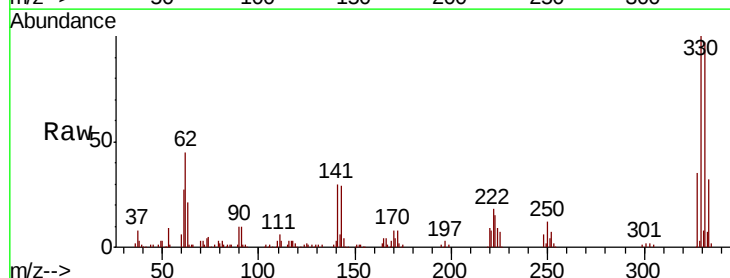


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

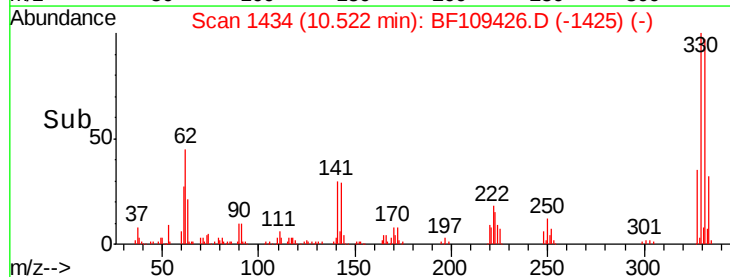
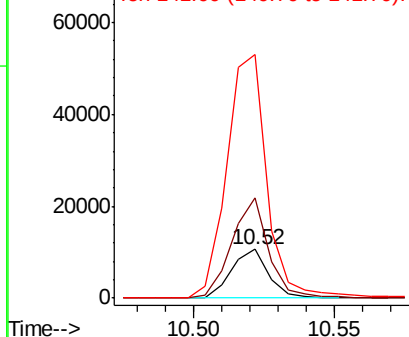


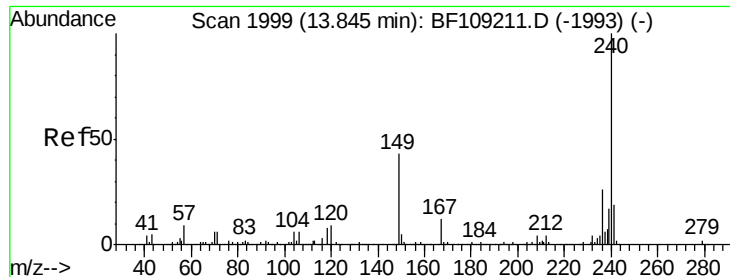
#66
4-Bromophenyl-phenylether
Concen: 2.869 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.25 min
Lab File: BF109426.D
Acq: 28 Sep 2018 10:58

Tgt Ion:248 Resp: 9678
Ion Ratio Lower Upper
248 100
250 205.4 76.9 115.3#
141 500.1 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: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF109426.D

Acq: 28 Sep 2018 10:58

Instrument :

BNA_F

ClientSampleId :

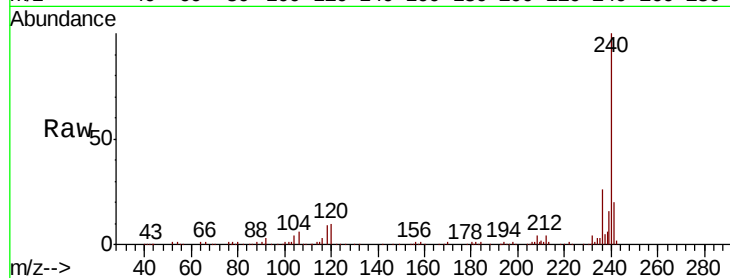
Tot Ion:240 Resp: 244997

Ion Ratio Lower Upper

240 100

120 10.2 9.5 14.3

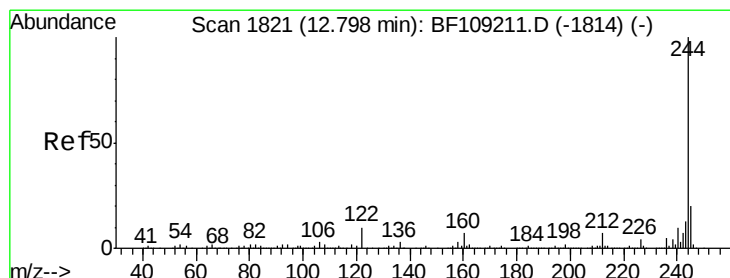
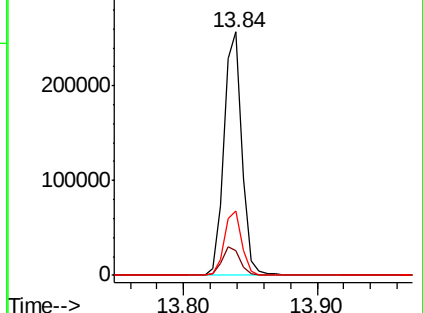
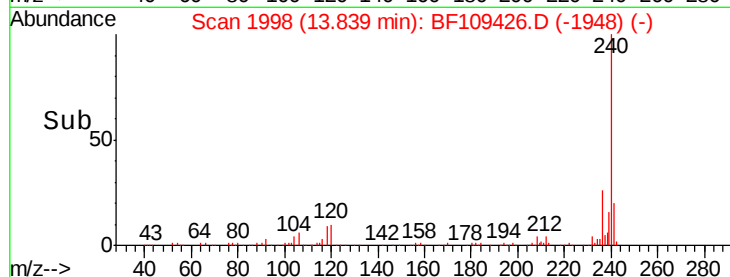
236 26.4 20.7 31.1



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: 97.915 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF109426.D

Acq: 28 Sep 2018 10:58

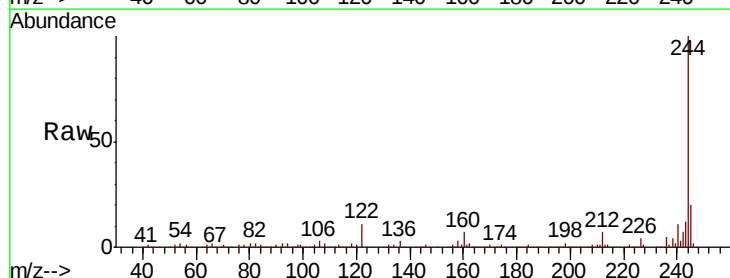
Tgt Ion:244 Resp: 977480

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

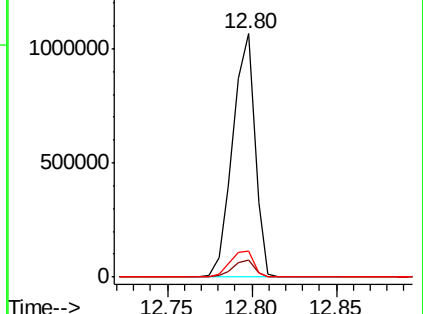
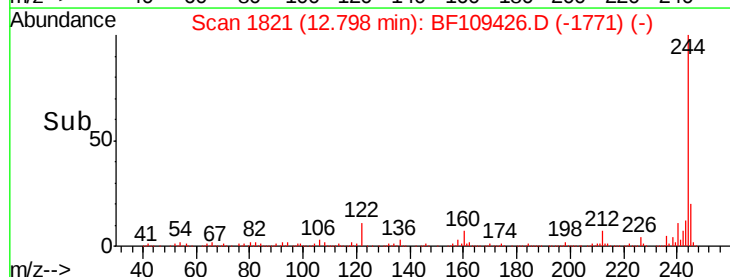
122 10.8 11.0 16.4#

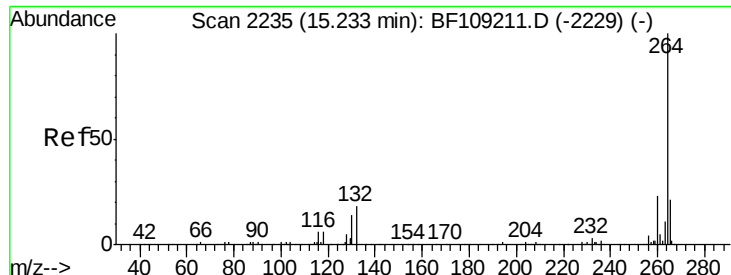


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

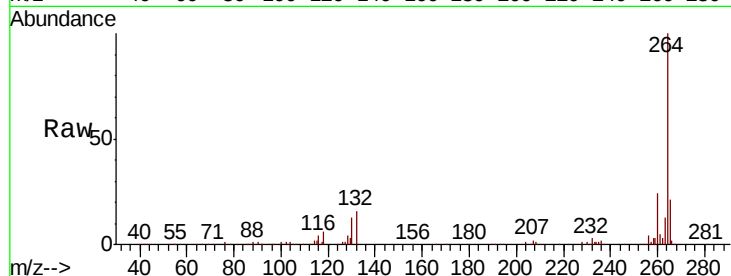




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2236
 Delta R.T. 0.00 min
 Lab File: BF109426.D
 Acq: 28 Sep 2018 10:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	20.7	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

