

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092718\
 Data File : BF109421.D
 Acq On : 28 Sep 2018 8:46
 Operator : JU/SJ
 Sample : J5133-01
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 28 11:54:42 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	100626	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	358349	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	156022	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	260642	20.00	ng	0.00
75) Chrysene-d12	13.84	240	241285	20.00	ng	0.00
86) Perylene-d12	15.24	264	235691	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	251349	41.14	ng	0.00
7) Phenol-d6	6.34	99	204807	26.27	ng	-0.02
23) Nitrobenzene-d5	7.27	82	616938	101.63	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	135635	88.19	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	1061885	102.65	ng	-0.01
78) Terphenyl-d14	12.80	244	884529	89.97	ng	0.00

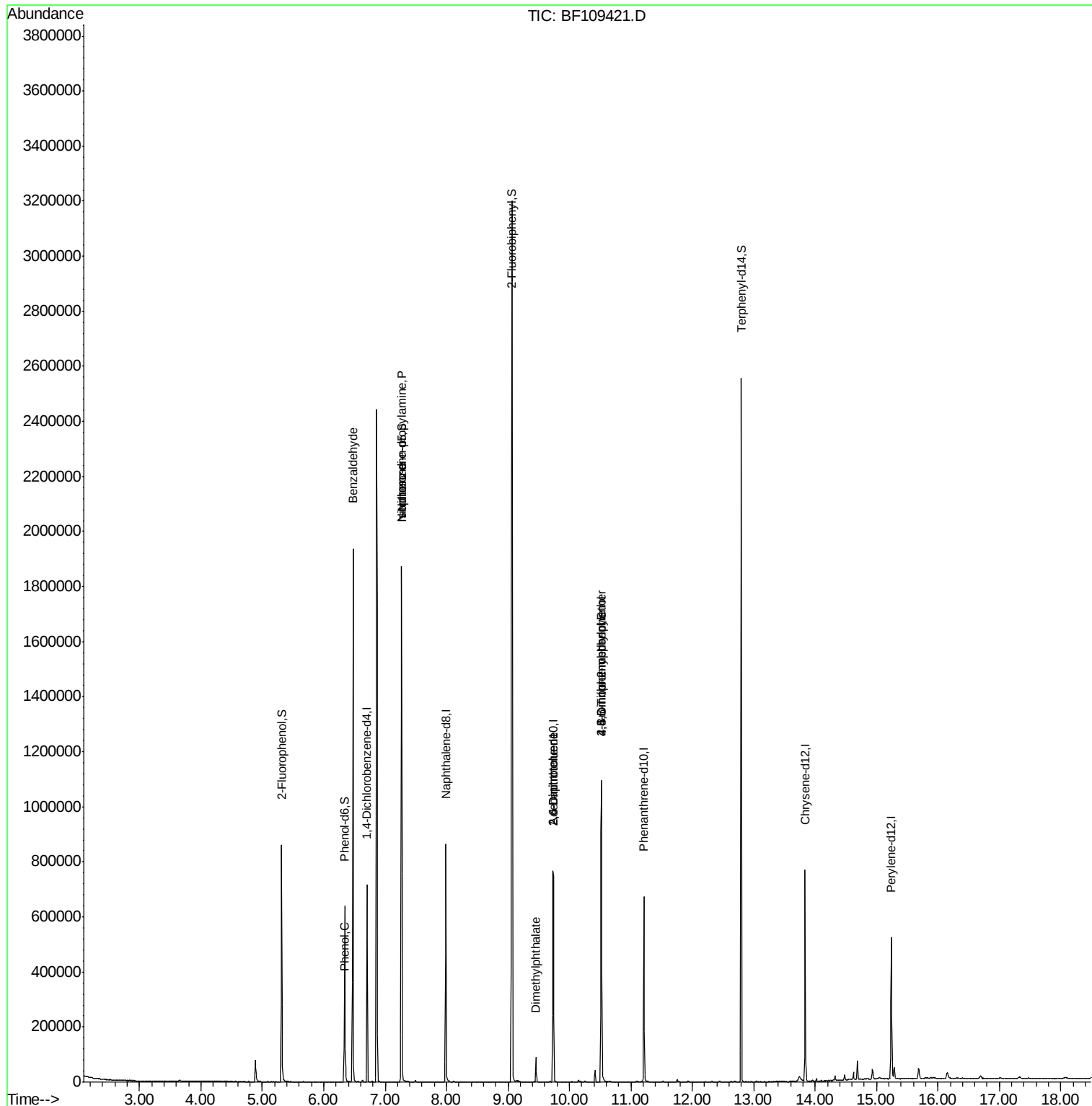
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.47	77	10592	2.115	ng	# 72
10) Phenol	6.35	94	21742	2.463	ng	# 98
19) n-Nitroso-di-n-propylamine	7.27	70	82931	16.235	ng	# 77
25) Isophorone	7.27	82	589630	53.939	ng	# 64
49) Dimethylphthalate	9.46	163	39055	3.442	ng	# 96
50) 2,6-Dinitrotoluene	9.73	165	19985	8.892	ng	# 26
56) 2,4-Dinitrotoluene	9.73	165	19985	7.028	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.52	198	234	6.714	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	8237	2.846	ng	# 1

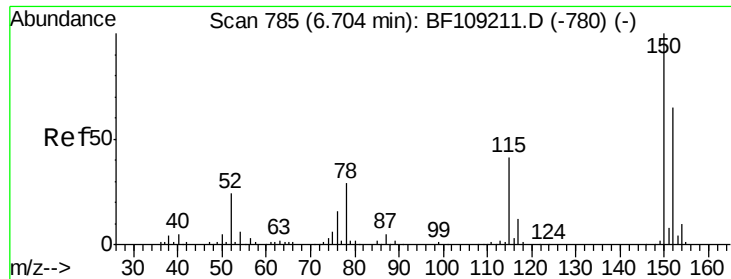
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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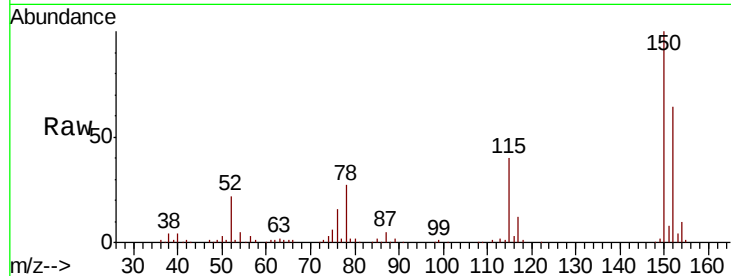


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109421.D
Acq: 28 Sep 2018 8:46

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.6	186.8
115	62.9	50.1	75.1

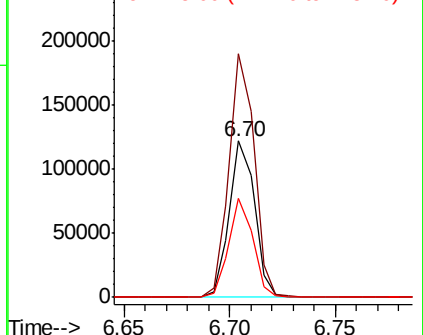
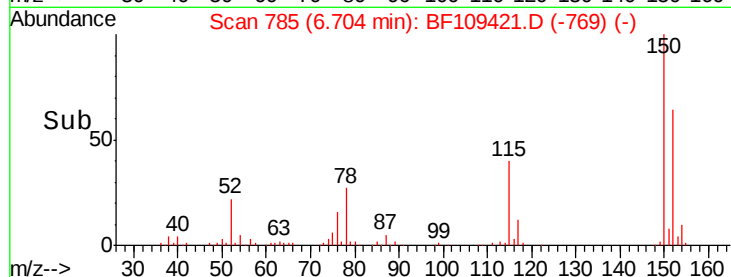


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

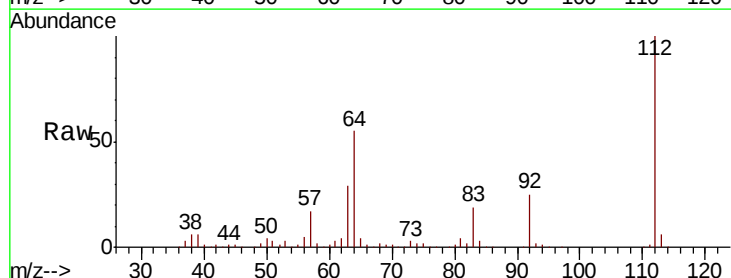
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 41.142 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF109421.D
Acq: 28 Sep 2018 8:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.7	47.9	71.9
63	28.9	23.7	35.5

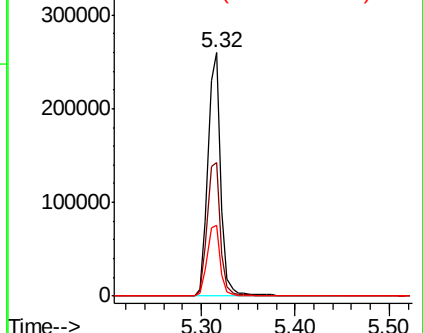
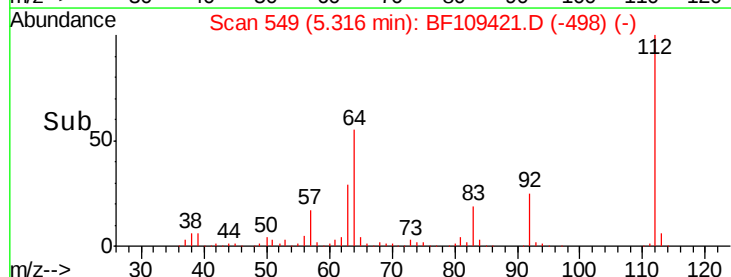


Abundance

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: 26.272 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109421.D

Acq: 28 Sep 2018 8:46

Instrument :

BNA_F

ClientSampleId :

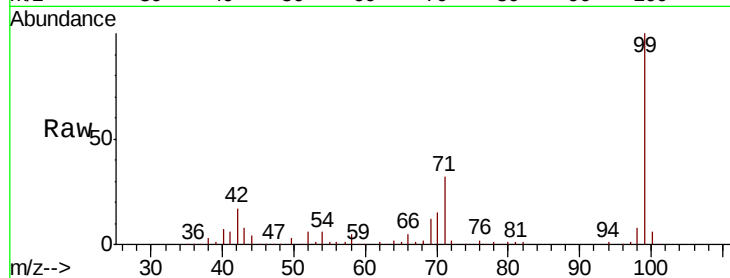
Tot Ion: 99 Resp: 204807

Ion Ratio Lower Upper

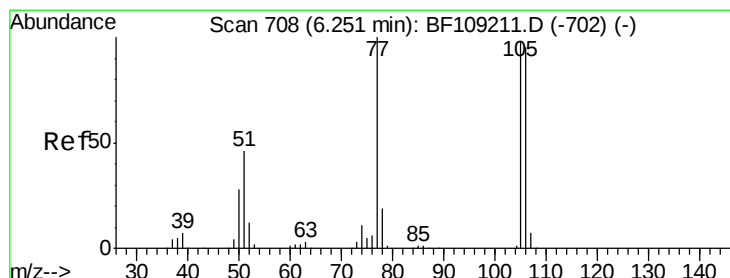
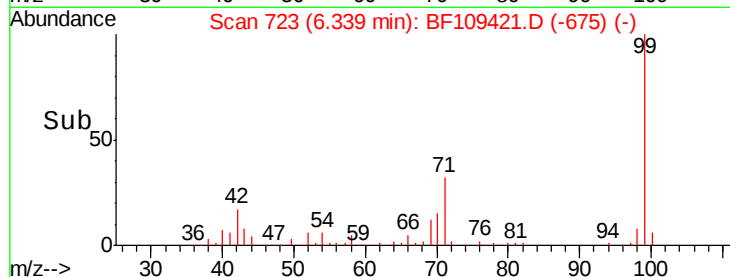
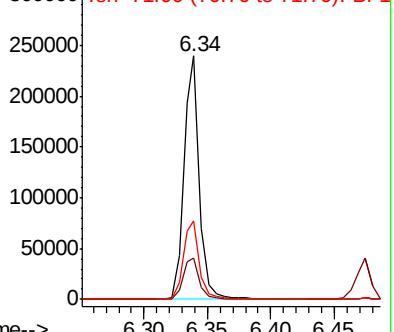
99 100

42 16.8 14.5 21.7

71 32.0 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



#9

Benzaldehyde

Concen: 2.115 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.22 min

Lab File: BF109421.D

Acq: 28 Sep 2018 8:46

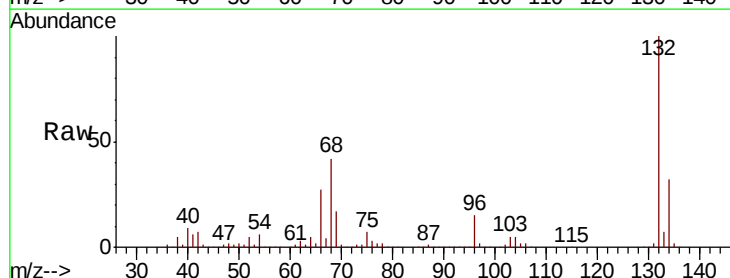
Tgt Ion: 77 Resp: 10592

Ion Ratio Lower Upper

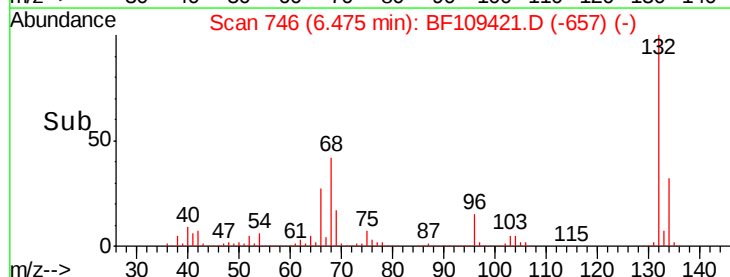
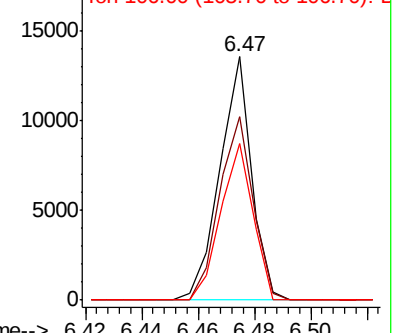
77 100

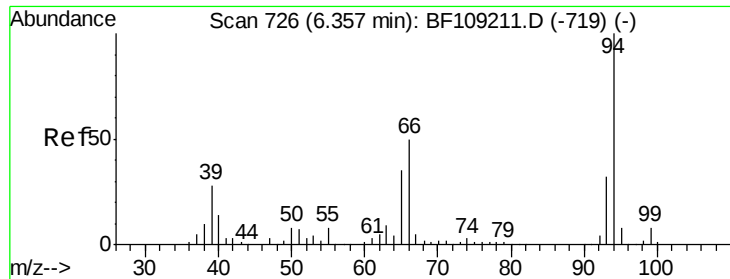
105 75.5 81.1 121.1#

106 64.4 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

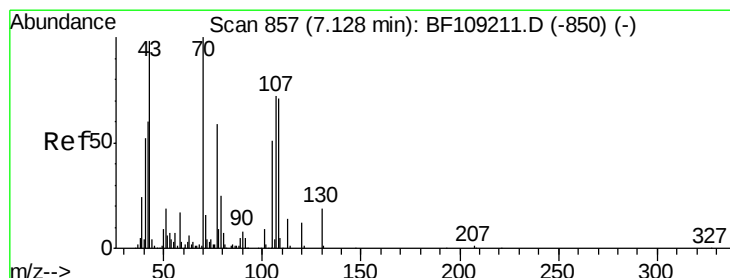
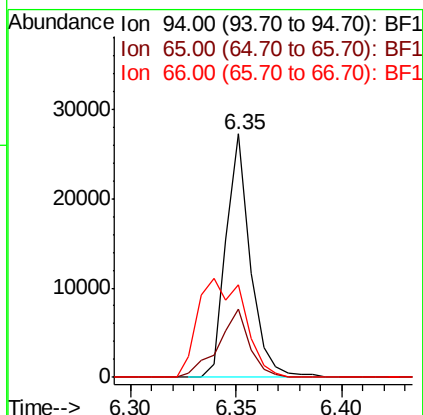
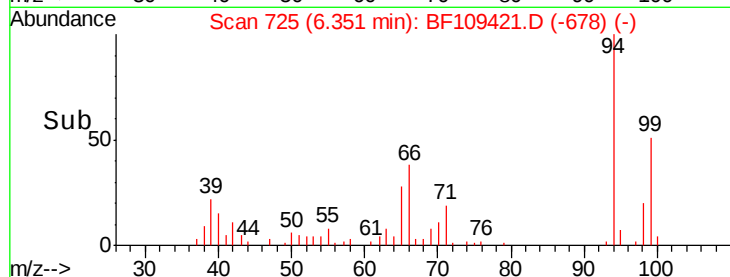
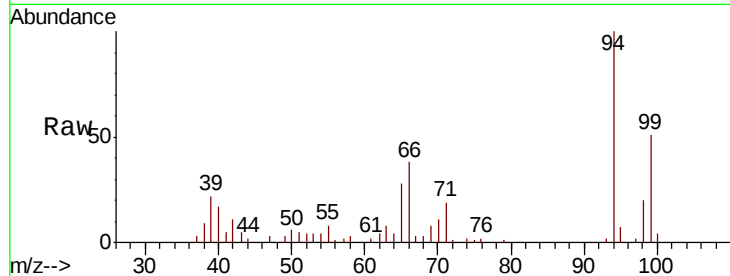




#10
Phenol
Concen: 2.463 ng
RT: 6.35 min Scan# 725
Delta R.T. -0.02 min
Lab File: BF109421.D
Acq: 28 Sep 2018 8:46

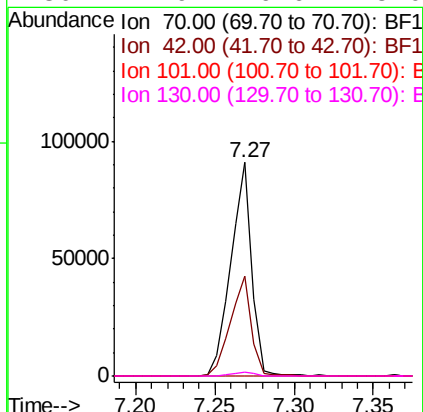
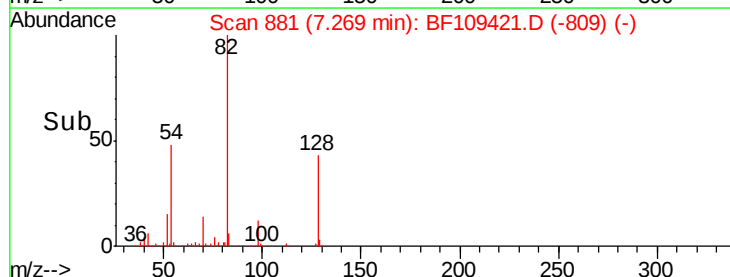
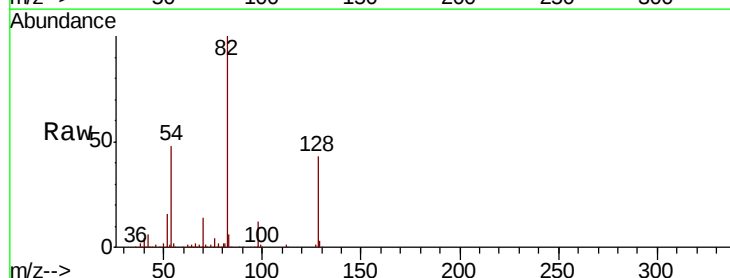
Instrument :
BNA_F
ClientSampleId :

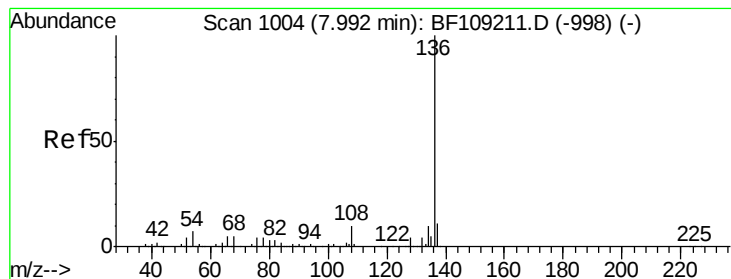
Tot Ion: 94 Resp: 21742
Ion Ratio Lower Upper
94 100
65 28.2 7.9 47.9
66 38.3 16.2 56.2



#19
n-Nitroso-di-n-propylamine
Concen: 16.235 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.12 min
Lab File: BF109421.D
Acq: 28 Sep 2018 8:46

Tgt Ion: 70 Resp: 82931
Ion Ratio Lower Upper
70 100
42 47.0 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: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF109421.D

Acq: 28 Sep 2018 8:46

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 358349

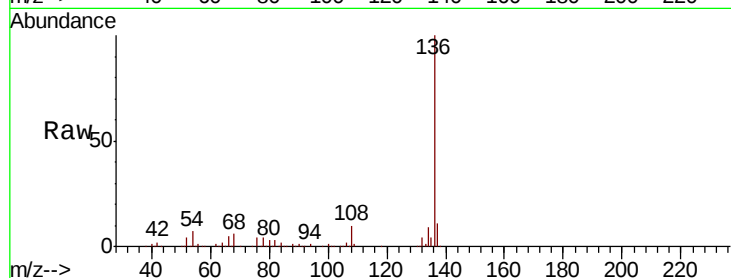
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 7.1 6.6 9.8

68 5.7 5.0 7.4

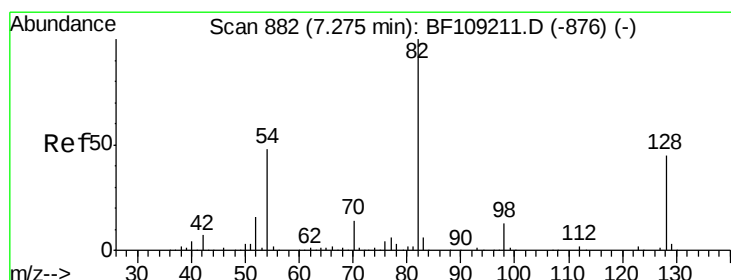
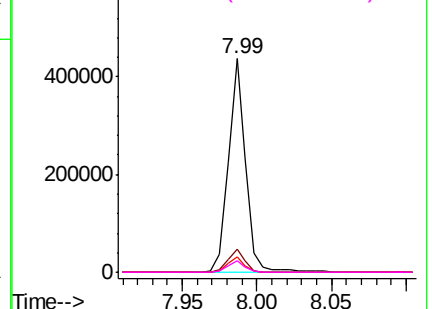
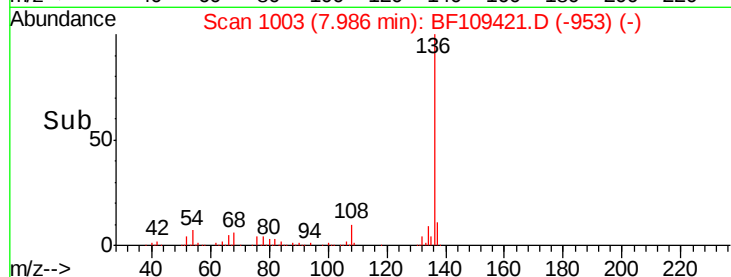


Abundance Ion 136.00 (135.70 to 136.70): E

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: 101.629 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF109421.D

Acq: 28 Sep 2018 8:46

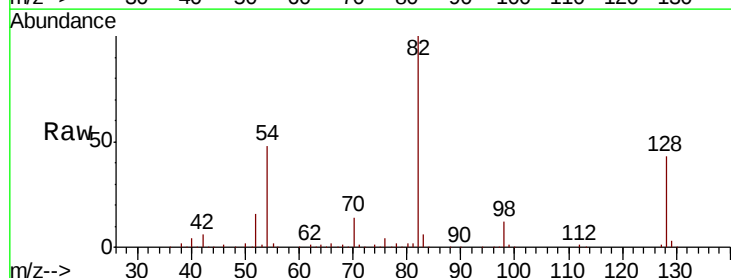
Tgt Ion: 82 Resp: 616938

Ion Ratio Lower Upper

82 100

128 43.0 36.1 54.1

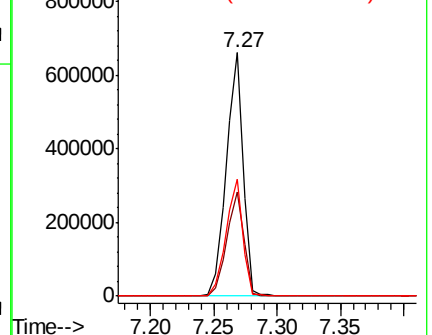
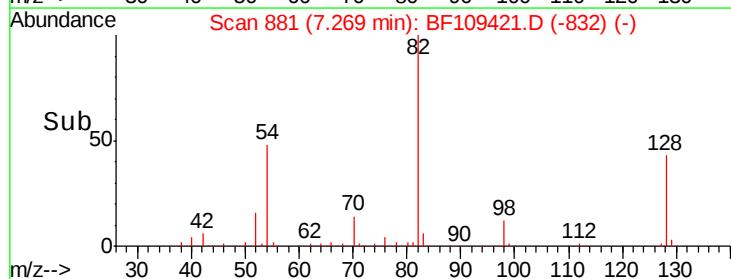
54 47.9 41.4 62.2

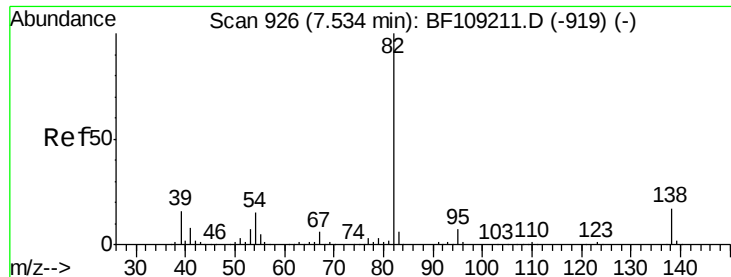


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 53.939 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.28 min

Lab File: BF109421.D

Acq: 28 Sep 2018 8:46

Instrument :

BNA_F

ClientSampleId :

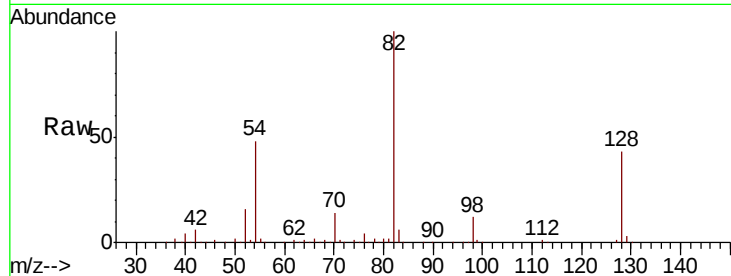
Tot Ion: 82 Resp: 589630

Ion Ratio Lower Upper

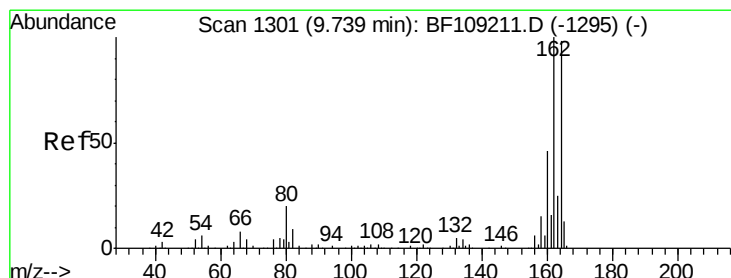
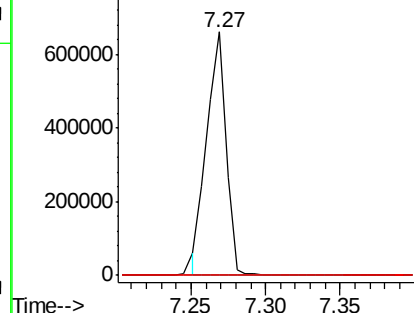
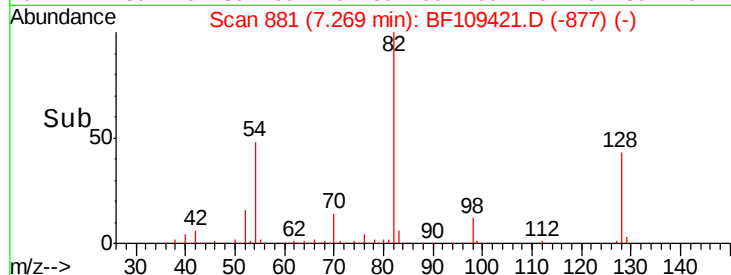
82 100

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: BF109421.D

Acq: 28 Sep 2018 8:46

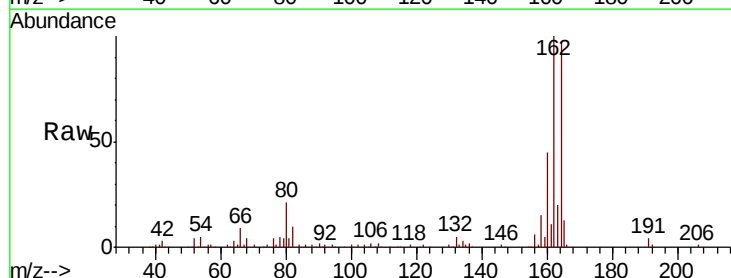
Tgt Ion: 164 Resp: 156022

Ion Ratio Lower Upper

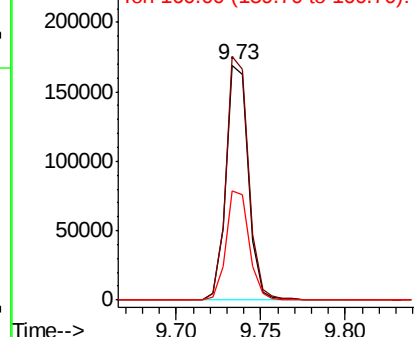
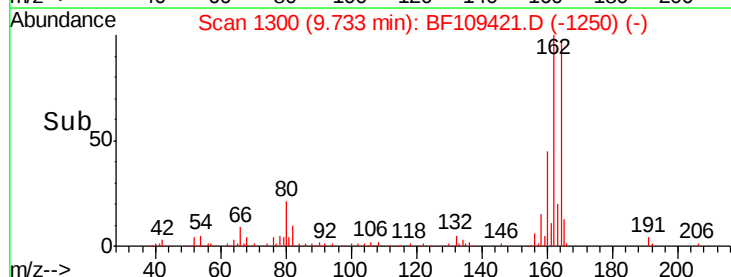
164 100

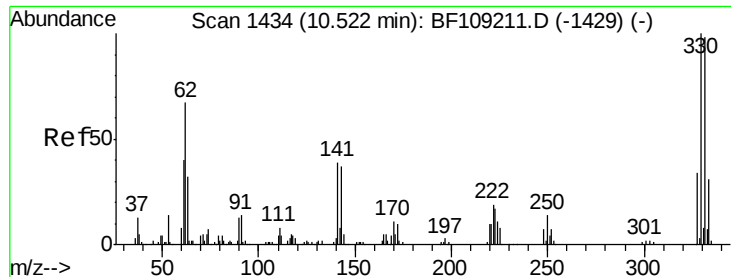
162 103.5 86.1 129.1

160 46.2 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

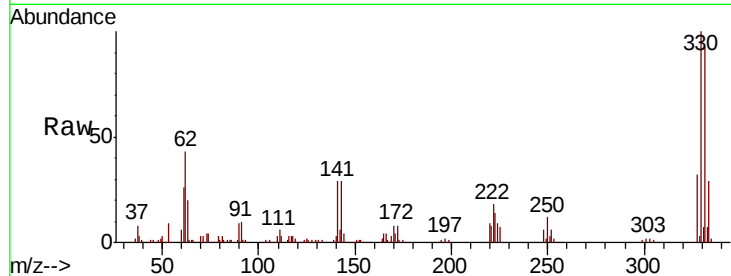




#41
 2,4,6-Tribromophenol
 Concen: 88.186 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109421.D
 Acq: 28 Sep 2018 8:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.6	77.0	115.6
141	32.4	29.9	44.9

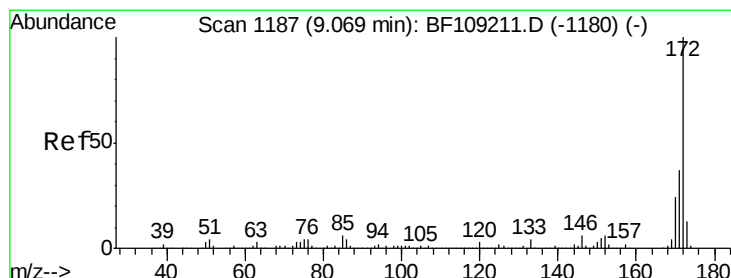
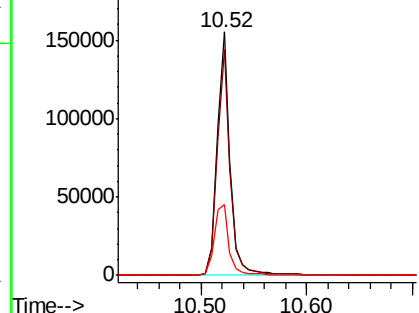
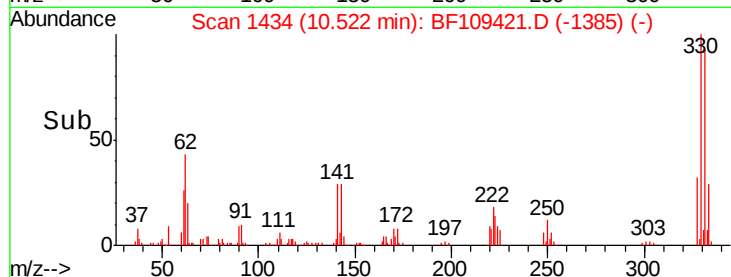


Abundance

Ion 329.80 (329.50 to 330.50): E

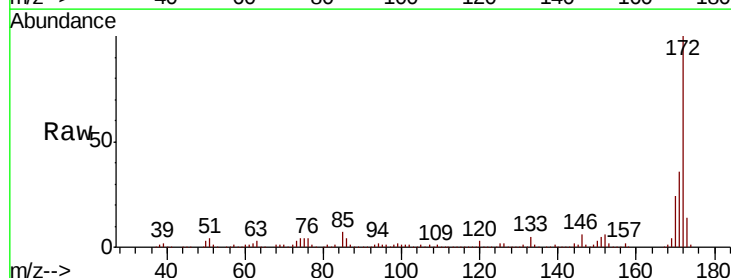
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 102.647 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109421.D
 Acq: 28 Sep 2018 8:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	24.3	19.6	29.4

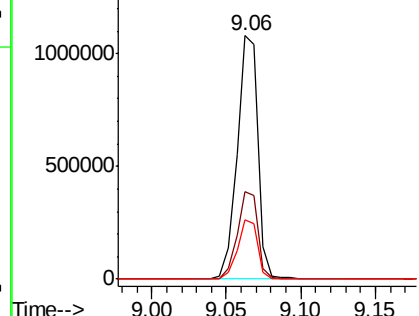
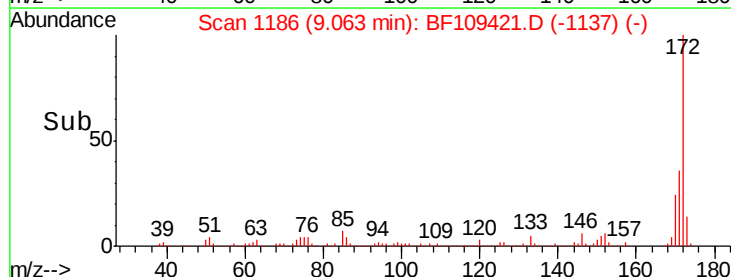


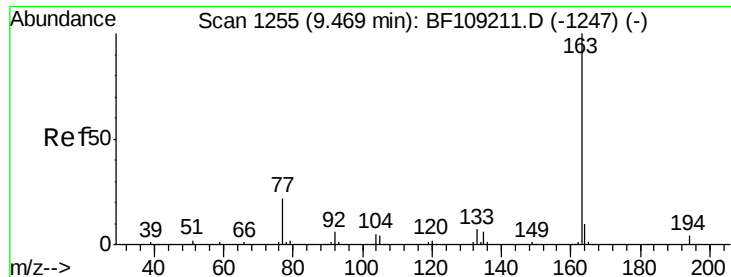
Abundance

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

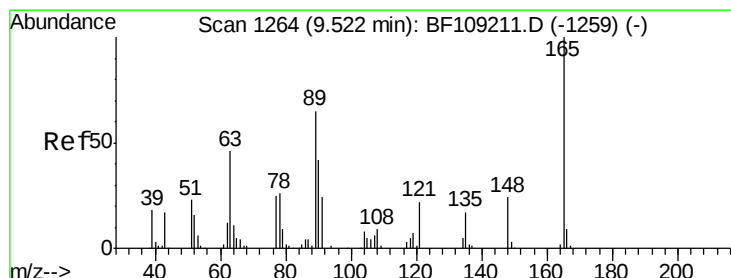
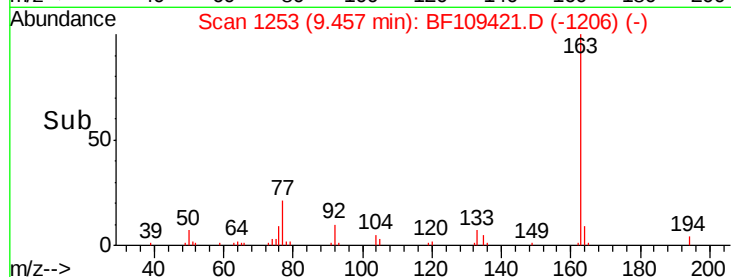
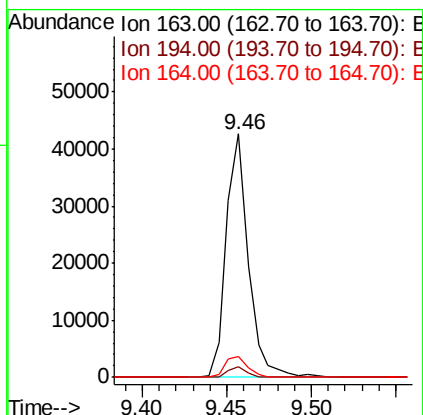
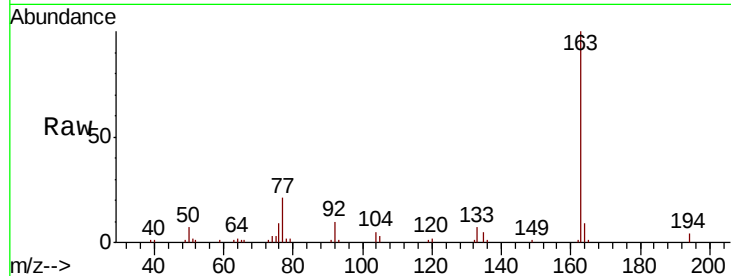




#49
Dimethylphthalate
Concen: 3.442 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109421.D
Acq: 28 Sep 2018 8:46

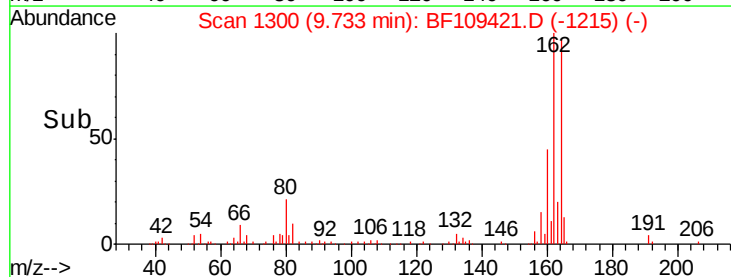
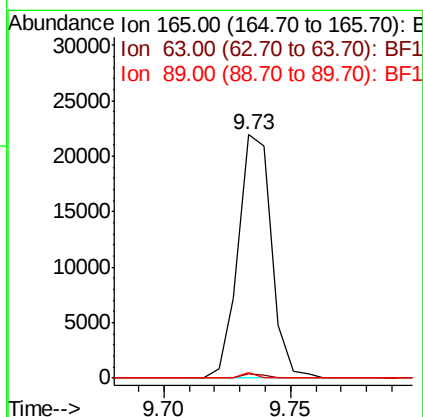
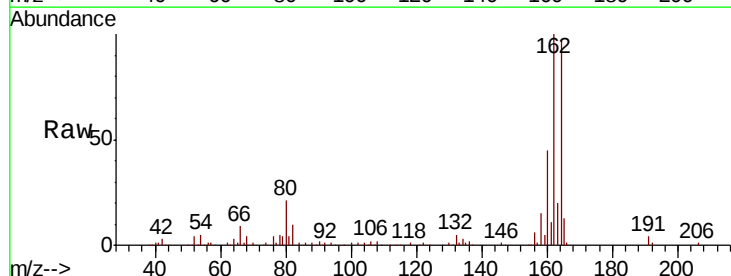
Instrument :
BNA_F
ClientSampleId :

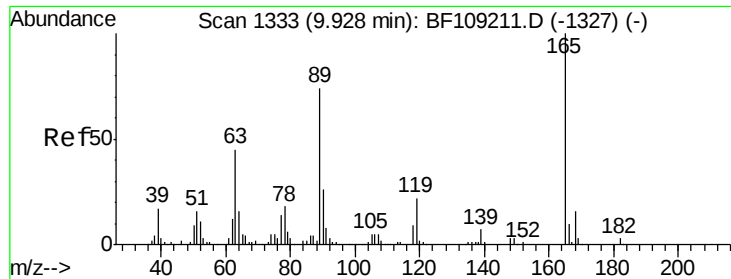
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.4	2.7	4.1#
164	8.6	8.2	12.2



#50
2,6-Dinitrotoluene
Concen: 8.892 ng
RT: 9.73 min Scan# 1300
Delta R.T. 0.20 min
Lab File: BF109421.D
Acq: 28 Sep 2018 8:46

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.7	67.1#
89	2.4	44.0	66.0#

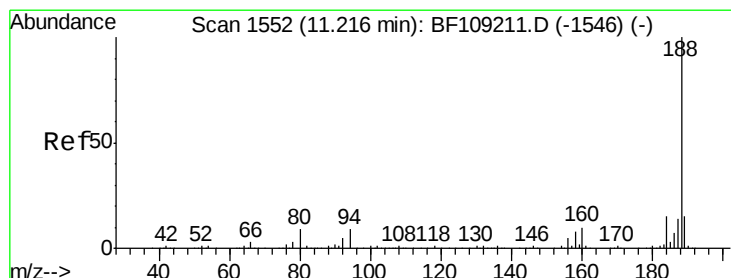
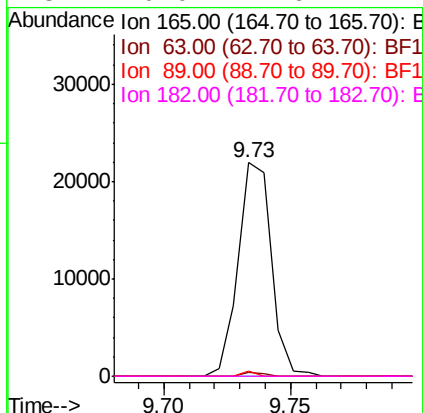
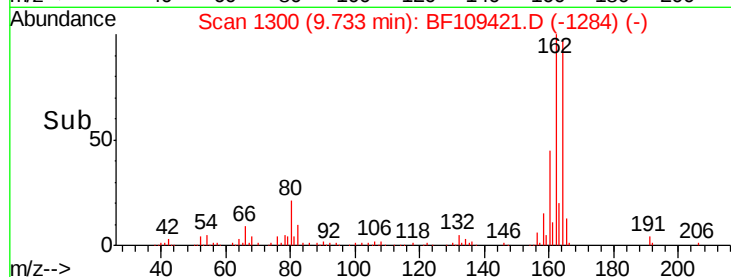
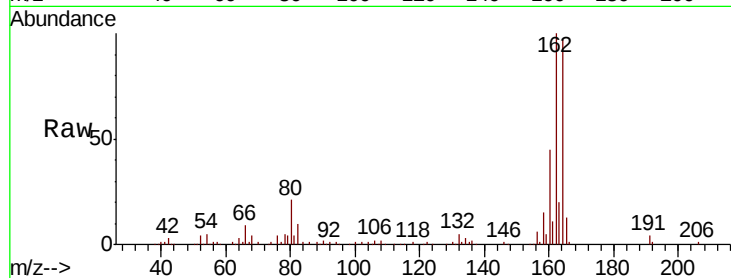




#56
 2,4-Dinitrotoluene
 Concen: 7.028 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.21 min
 Lab File: BF109421.D
 Acq: 28 Sep 2018 8:46

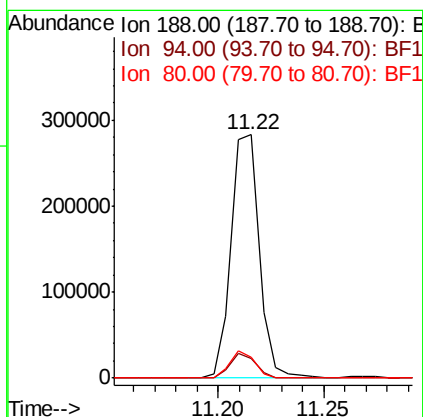
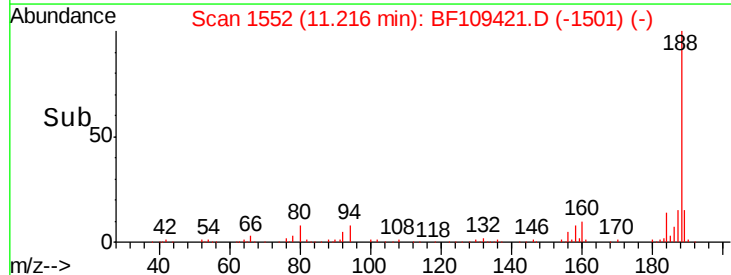
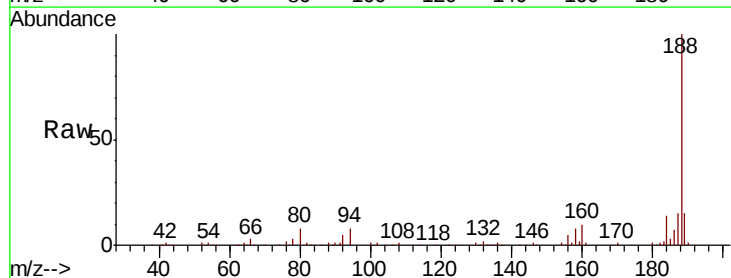
Instrument :
 BNA_F
 ClientSampleId :

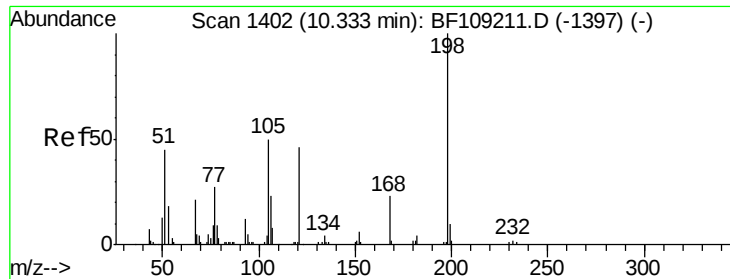
Tot Ion:165	Resp:	19985
Ion Ratio	Lower	Upper
165	100	
63	1.6	36.4 54.6#
89	2.4	57.8 86.6#
182	0.0	1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. 0.00 min
 Lab File: BF109421.D
 Acq: 28 Sep 2018 8:46

Tgt Ion:188	Resp:	260642
Ion Ratio	Lower	Upper
188	100	
94	8.2	8.5 12.7#
80	8.4	9.2 13.8#

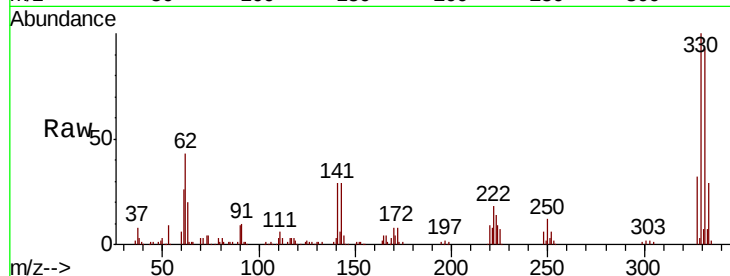




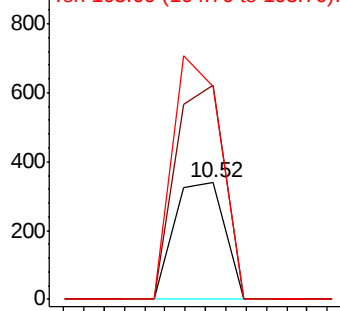
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.714 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. 0.18 min
 Lab File: BF109421.D
 Acq: 28 Sep 2018 8:46

Instrument :
 BNA_F
 ClientSampled :

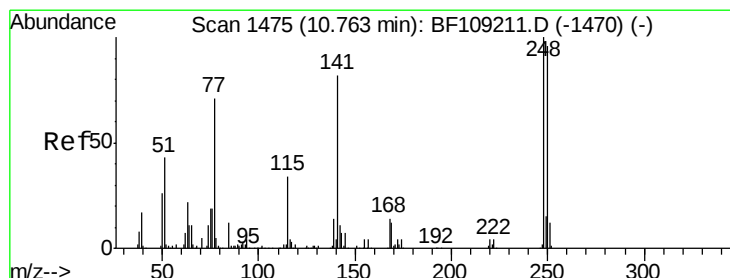
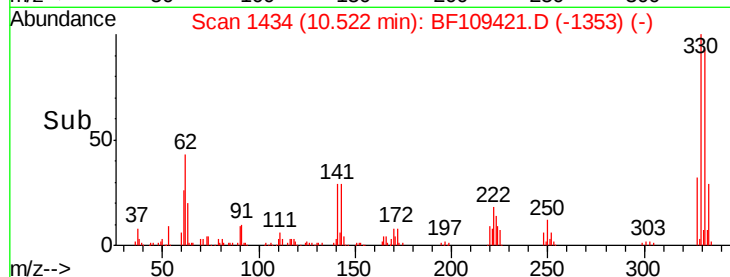
Tot Ion:198 Resp: 234
 Ion Ratio Lower Upper
 198 100
 51 184.3 37.7 77.7#
 105 183.4 36.3 76.3#



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

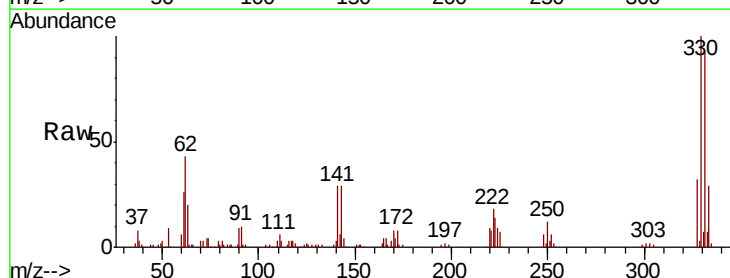


Time-->

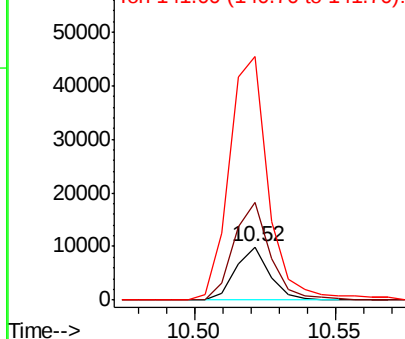


#66
 4-Bromophenyl-phenylether
 Concen: 2.846 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.25 min
 Lab File: BF109421.D
 Acq: 28 Sep 2018 8:46

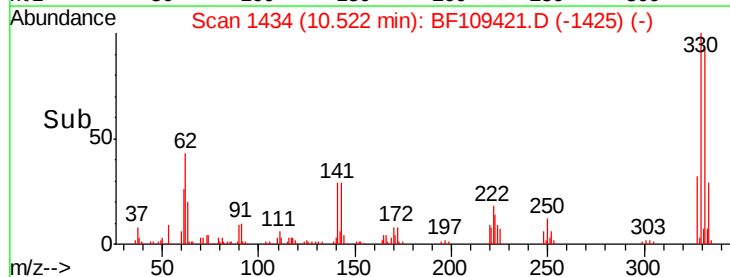
Tgt Ion:248 Resp: 8237
 Ion Ratio Lower Upper
 248 100
 250 184.8 76.9 115.3#
 141 457.6 74.4 111.6#

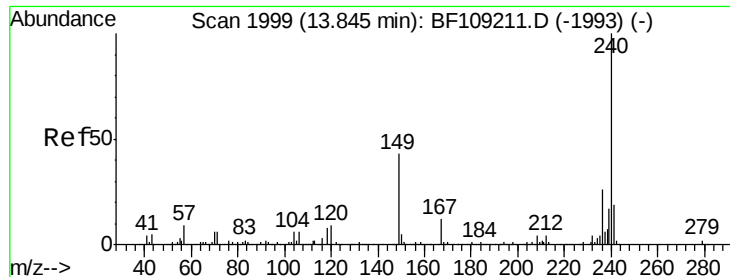


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E



Time-->





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF109421.D

Acq: 28 Sep 2018 8:46

Instrument :

BNA_F

ClientSampleId :

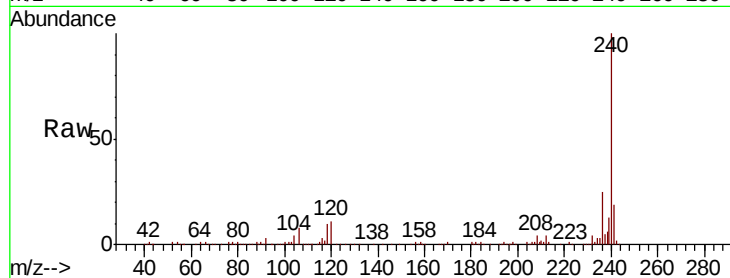
Tot Ion:240 Resp: 241285

Ion Ratio Lower Upper

240 100

120 11.1 9.5 14.3

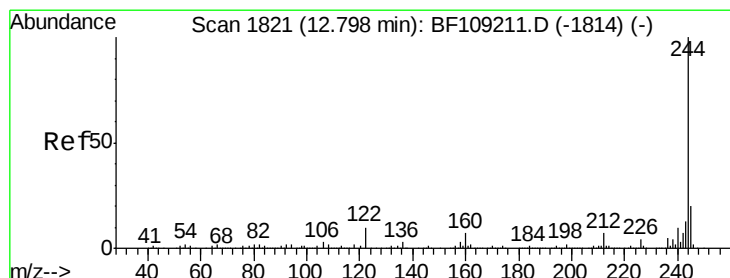
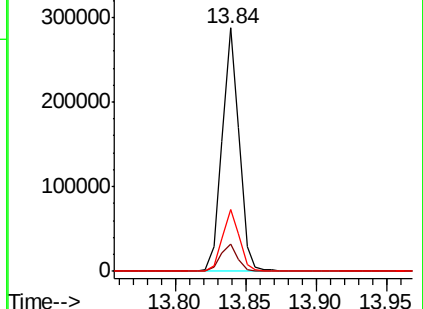
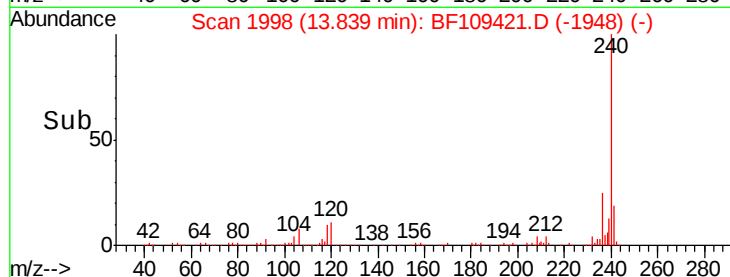
236 25.4 20.7 31.1



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: 89.967 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF109421.D

Acq: 28 Sep 2018 8:46

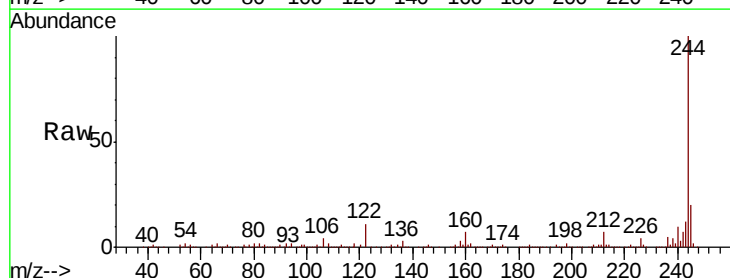
Tgt Ion:244 Resp: 884529

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

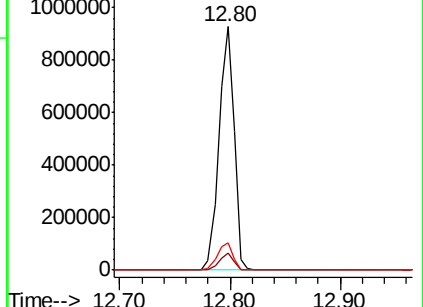
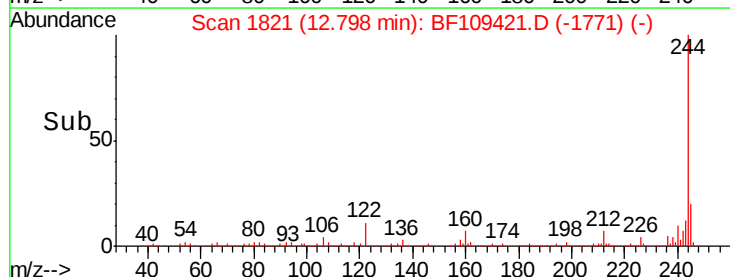
122 11.3 11.0 16.4

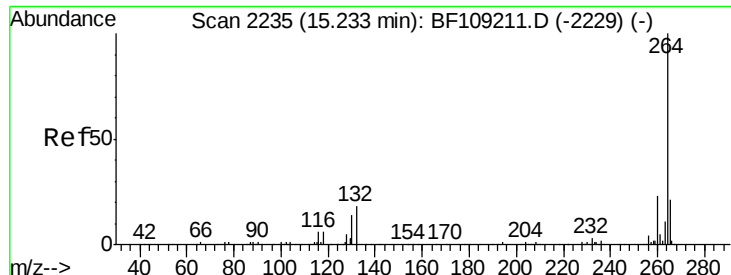


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF109421.D
Acq: 28 Sep 2018 8:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	21.5	17.5	26.3

