

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082218\
 Data File : BF108411.D
 Acq On : 23 Aug 2018 5:47
 Operator : JU/SJ
 Sample : J4525-12
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 23 08:00:10 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 22 11:01:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	149996	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	538686	20.00	ng	0.00
38) Acenaphthene-d10	10.05	164	252429	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	420165	20.00	ng	0.00
75) Chrysene-d12	14.19	240	289202	20.00	ng	-0.01
86) Perylene-d12	15.75	264	239317	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	335795	40.53	ng	0.00
7) Phenol-d6	6.61	99	270877	24.60	ng	-0.02
23) Nitrobenzene-d5	7.57	82	972482	100.74	ng	0.00
41) 2,4,6-Tribromophenol	10.84	330	188128	74.72	ng	-0.01
44) 2-Fluorobiphenyl	9.36	172	1725545	109.75	ng	0.00
78) Terphenyl-d14	13.13	244	1249113	109.82	ng	0.00

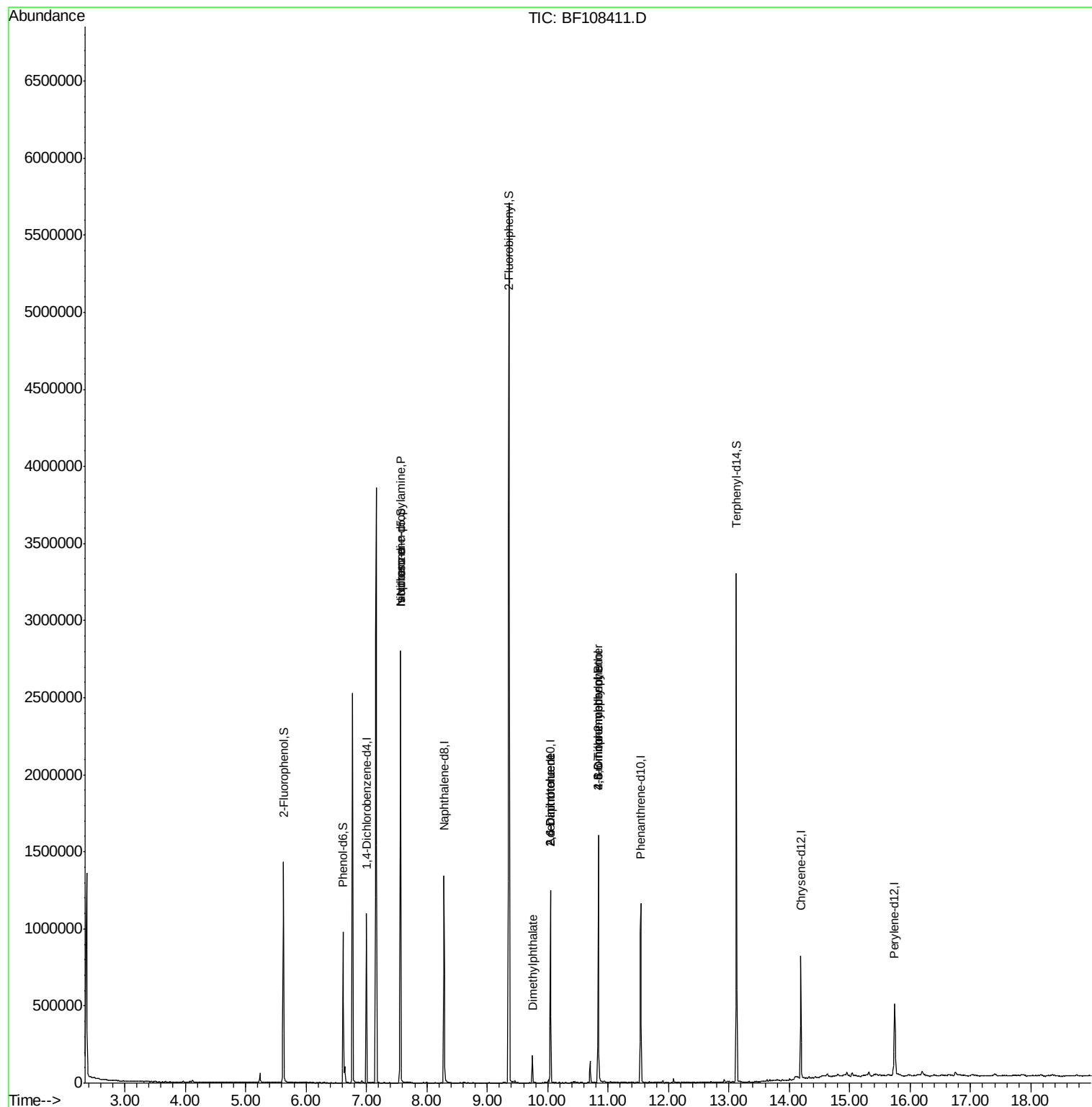
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.57	70	133271	17.901	ng	# 85
25) Isophorone	7.57	82	972612	52.859	ng	# 64
49) Dimethylphthalate	9.75	163	72604	4.129	ng	# 98
50) 2,6-Dinitrotoluene	10.04	165	31406	8.537	ng	# 25
56) 2,4-Dinitrotoluene	10.04	165	31406	6.632	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.84	198	262	5.506	ng	# 1
66) 4-Bromophenyl-phenylether	10.84	248	12222	2.677	ng	# 1

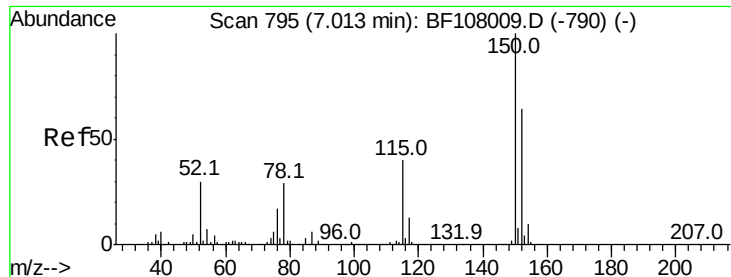
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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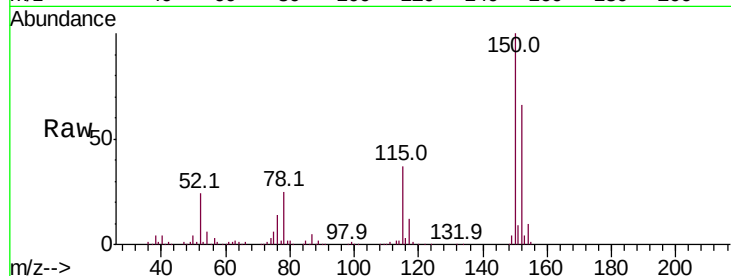


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108411.D
Acq: 23 Aug 2018 5:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.4	124.6	186.8
115	56.8	50.1	75.1

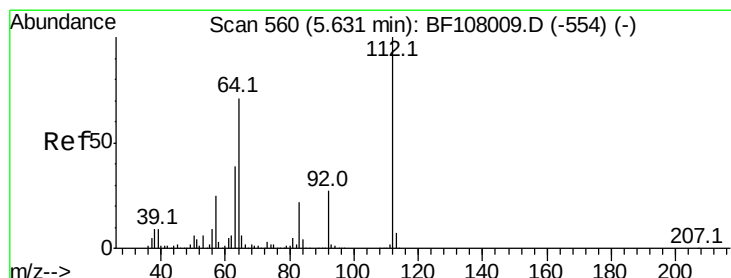
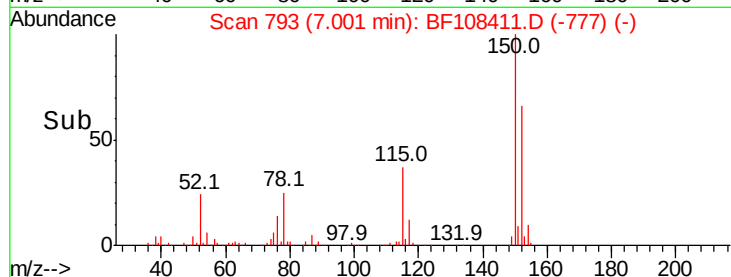
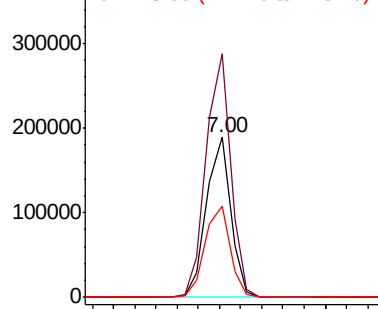


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

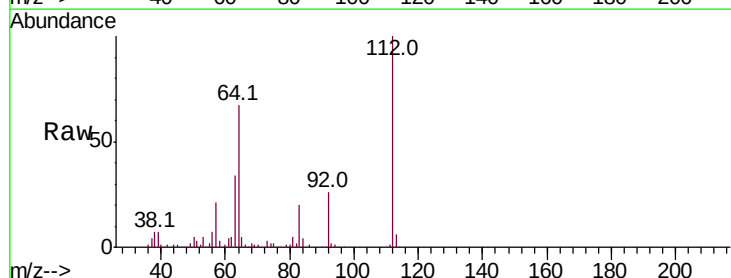
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 40.531 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF108411.D
Acq: 23 Aug 2018 5:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.6	47.9	71.9
63	34.2	23.7	35.5

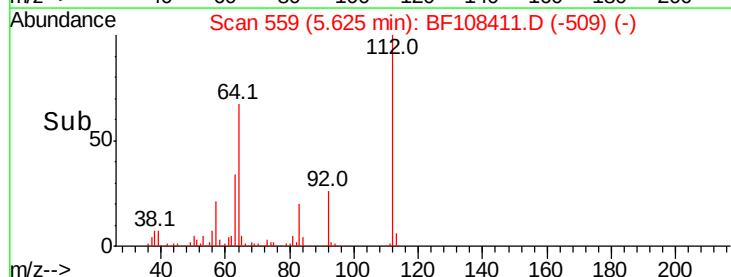
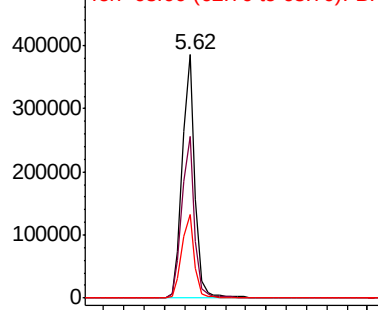


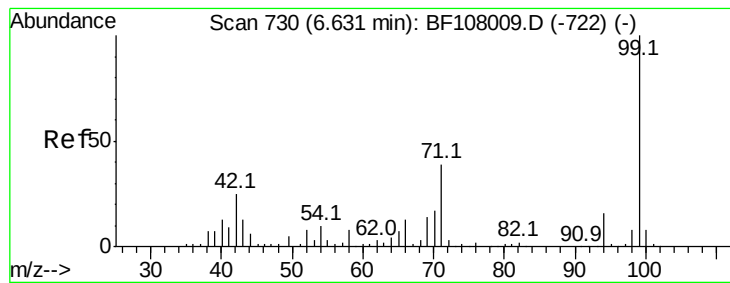
Abundance

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: 24.604 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108411.D

Acq: 23 Aug 2018 5:47

Instrument :

BNA_F

ClientSampleId :

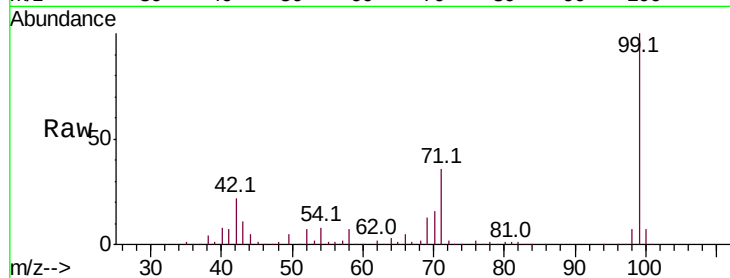
Tot Ion: 99 Resp: 270877

Ion Ratio Lower Upper

99 100

42 21.7 14.5 21.7

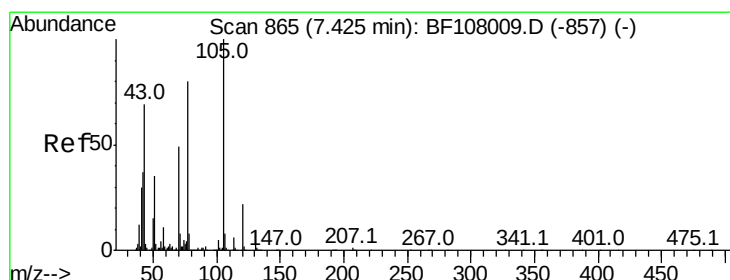
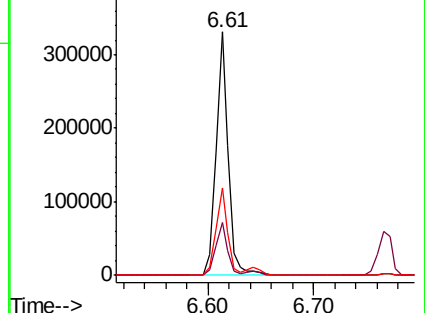
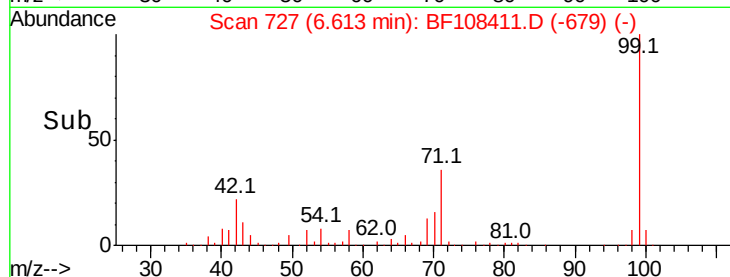
71 35.8 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 17.901 ng

RT: 7.57 min Scan# 889

Delta R.T. 0.15 min

Lab File: BF108411.D

Acq: 23 Aug 2018 5:47

Tgt Ion: 70 Resp: 133271

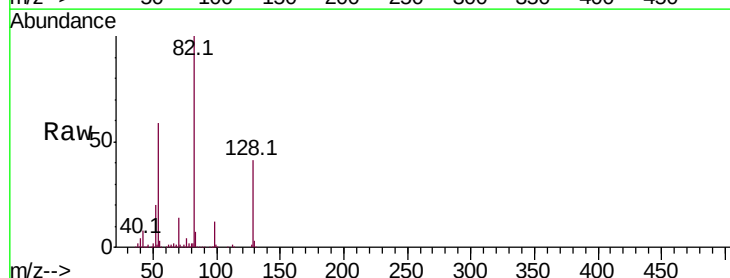
Ion Ratio Lower Upper

70 100

42 55.6 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

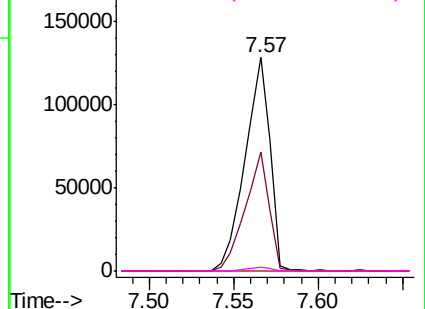
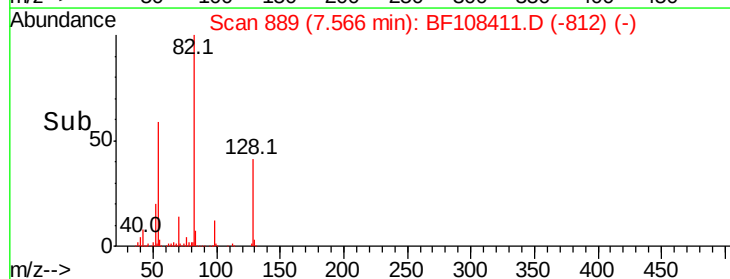


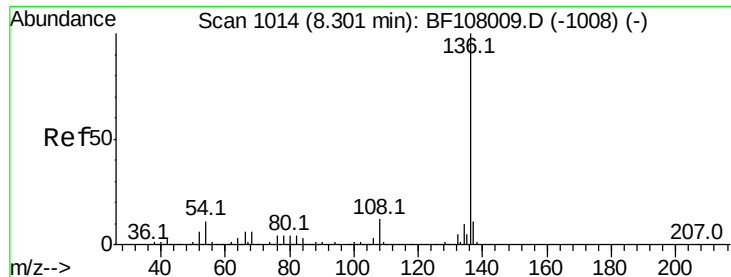
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

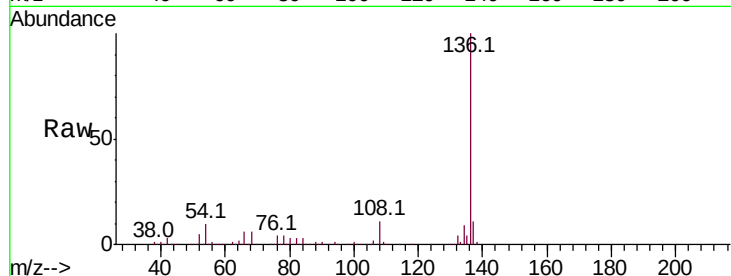




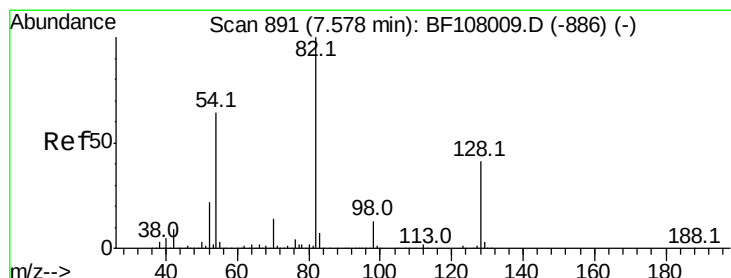
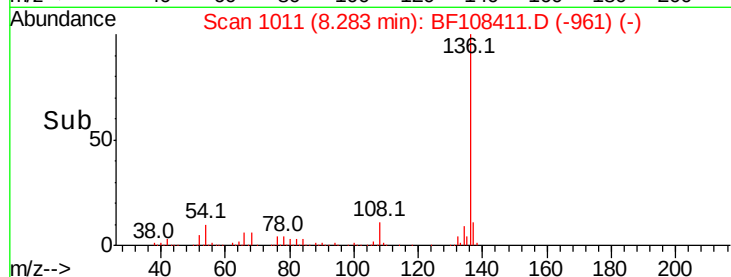
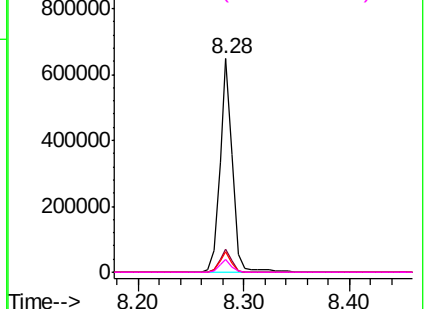
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF108411.D
Acq: 23 Aug 2018 5:47

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	538686
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.9 13.3
54	9.6	6.6 9.8
68	5.8	5.0 7.4

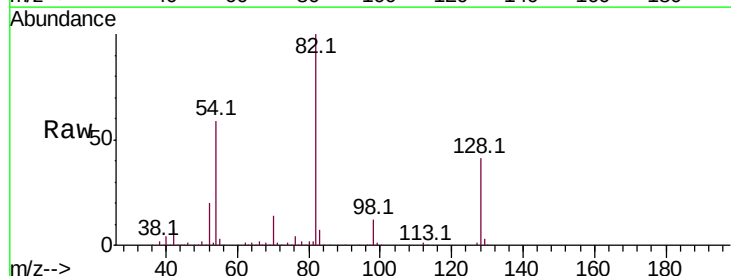


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

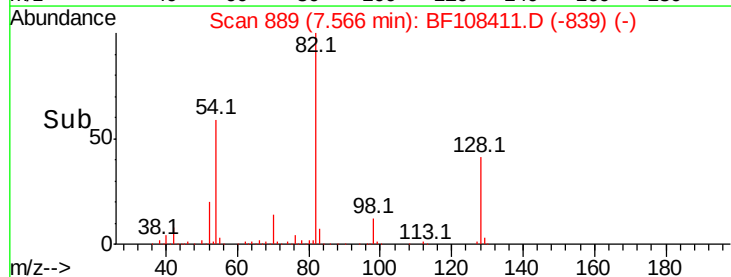
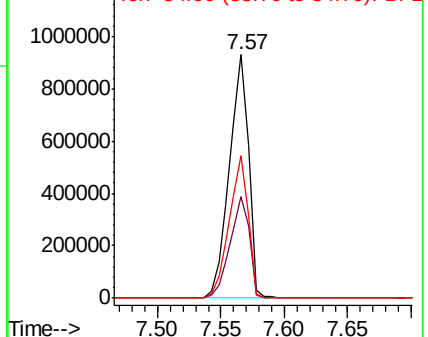


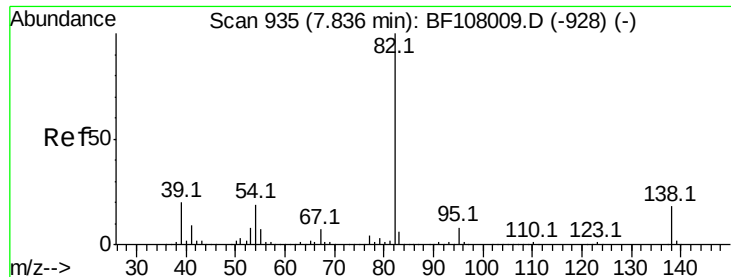
#23
Nitrobenzene-d5
Concen: 100.738 ng
RT: 7.57 min Scan# 889
Delta R.T. -0.01 min
Lab File: BF108411.D
Acq: 23 Aug 2018 5:47

Tgt Ion: 82	Resp:	972482
Ion Ratio	Lower	Upper
82	100	
128	41.5	36.1 54.1
54	58.7	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: 52.859 ng

RT: 7.57 min Scan# 889

Delta R.T. -0.26 min

Lab File: BF108411.D

Acq: 23 Aug 2018 5:47

Instrument :

BNA_F

ClientSampleId :

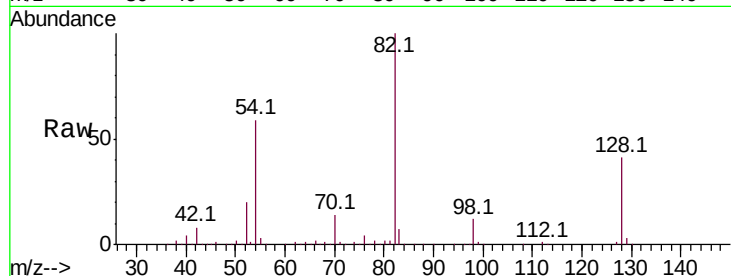
Tot Ion: 82 Resp: 972612

Ion Ratio Lower Upper

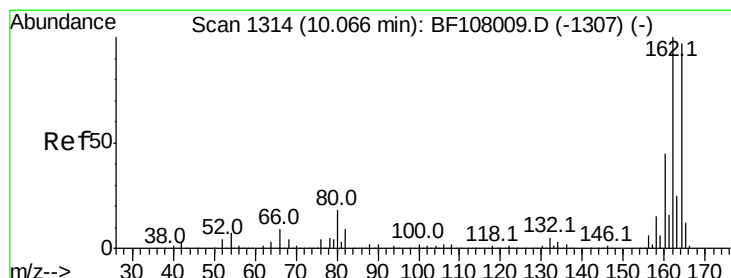
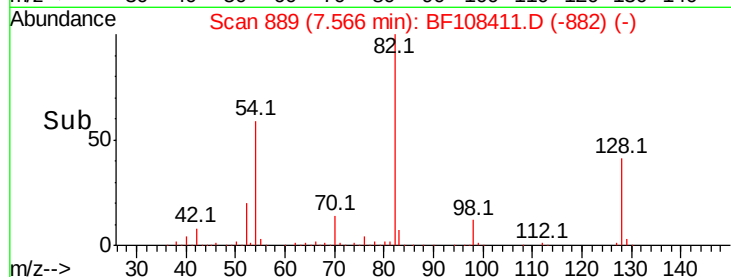
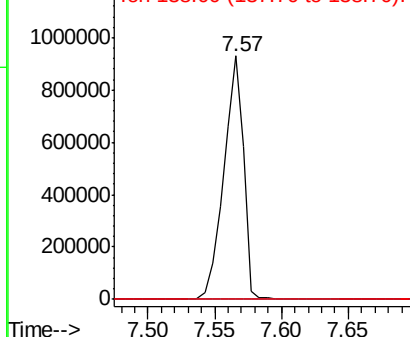
82 100

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: 10.05 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF108411.D

Acq: 23 Aug 2018 5:47

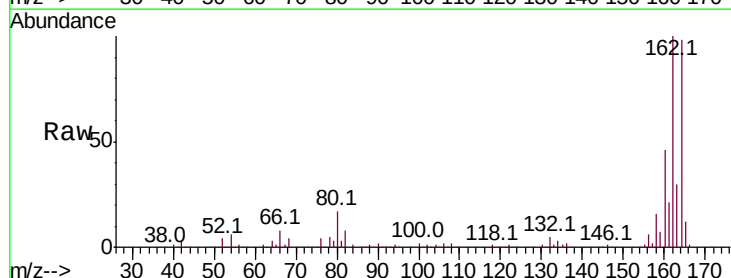
Tgt Ion: 164 Resp: 252429

Ion Ratio Lower Upper

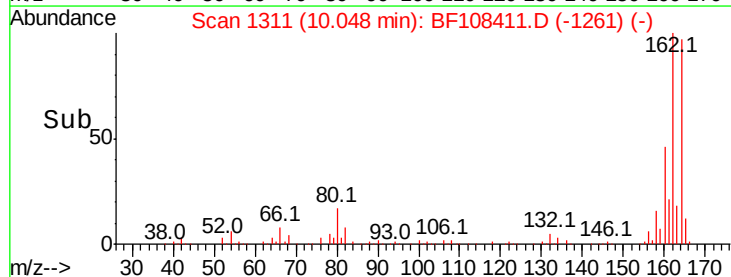
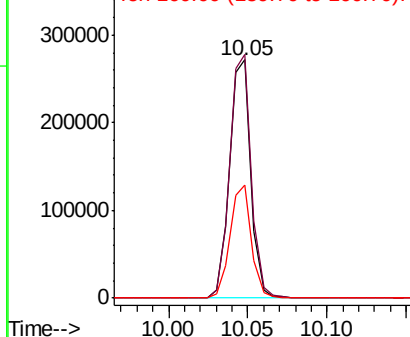
164 100

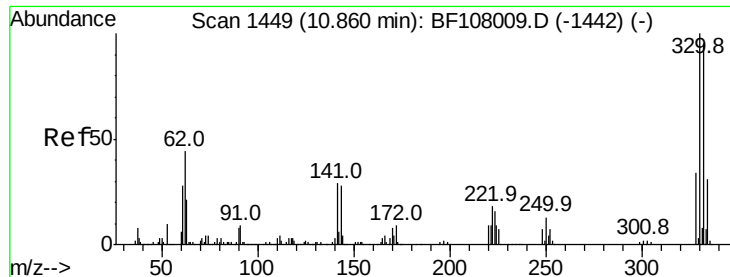
162 102.1 86.1 129.1

160 47.4 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

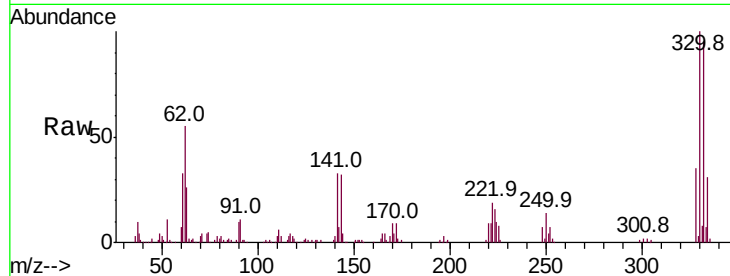




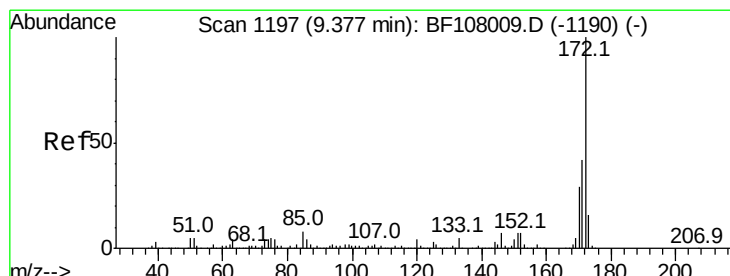
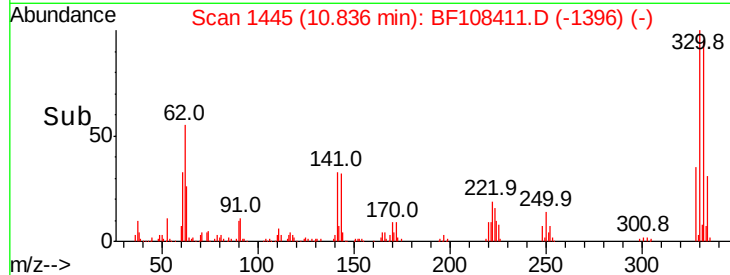
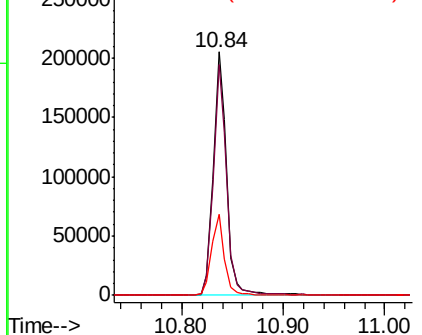
#41
 2,4,6-Tribromophenol
 Concen: 74.716 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108411.D
 Acq: 23 Aug 2018 5:47

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.9	77.0	115.6
141	32.2	29.9	44.9

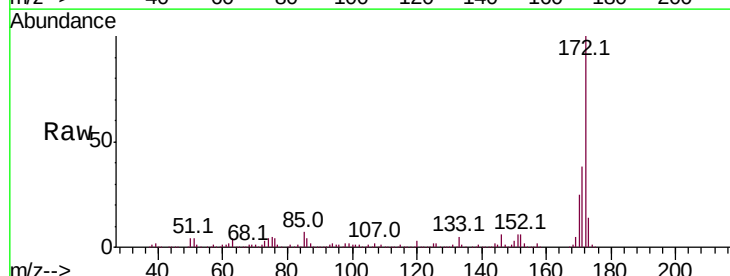


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

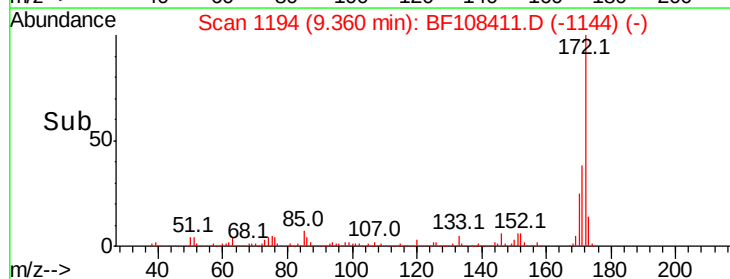
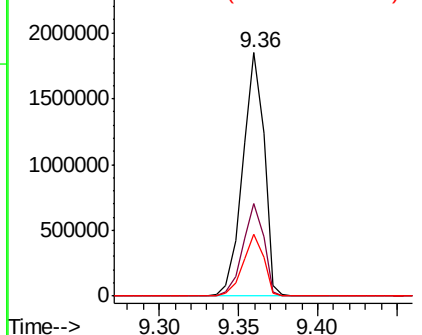


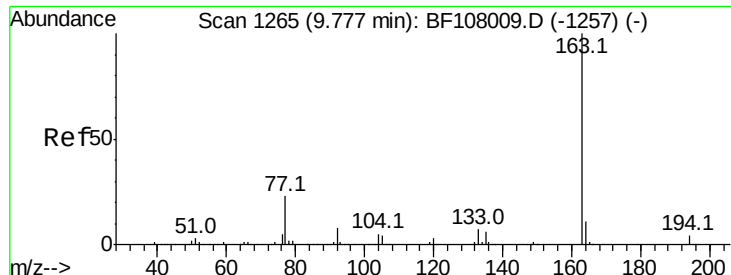
#44
 2-Fluorobiphenyl
 Concen: 109.746 ng
 RT: 9.36 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF108411.D
 Acq: 23 Aug 2018 5:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.8	29.7	44.5
170	25.5	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

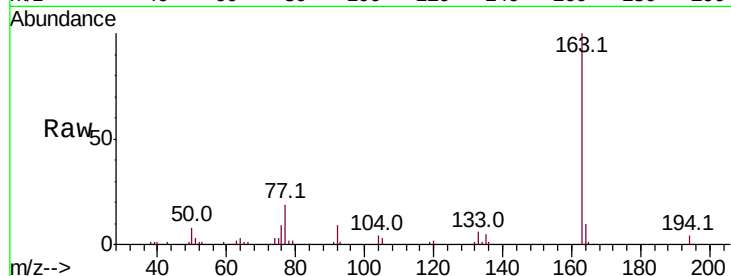




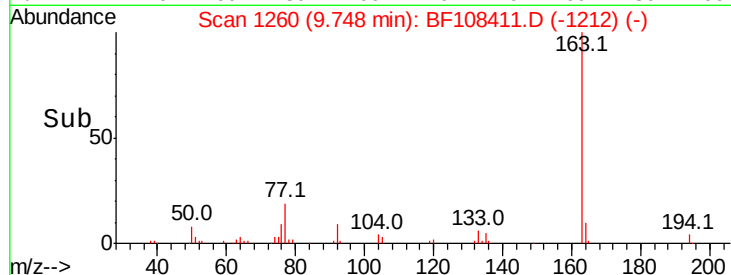
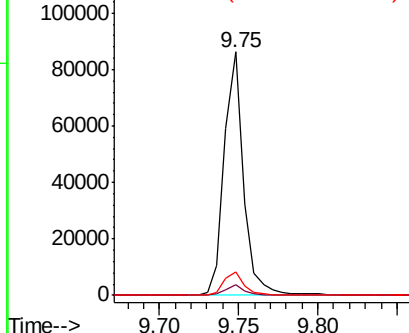
#49
Dimethylphthalate
Concen: 4.129 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF108411.D
Acq: 23 Aug 2018 5:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 72604
Ion Ratio Lower Upper
163 100
194 4.2 2.7 4.1#
164 9.7 8.2 12.2

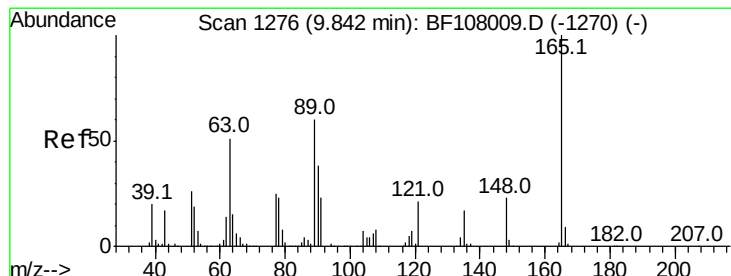


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

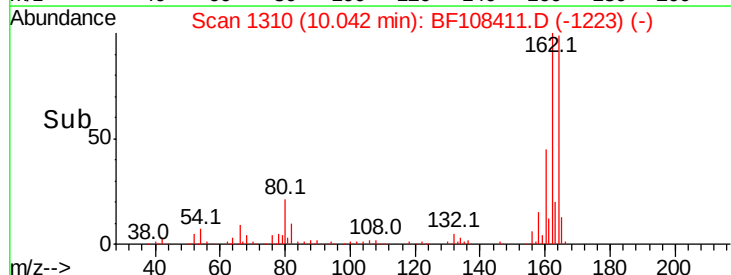
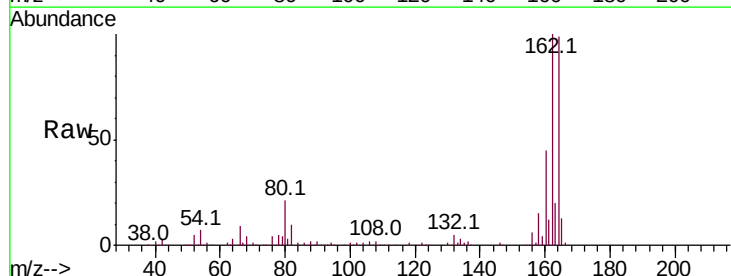
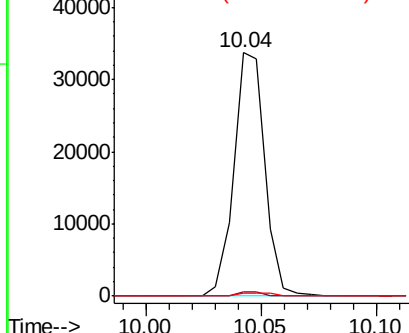


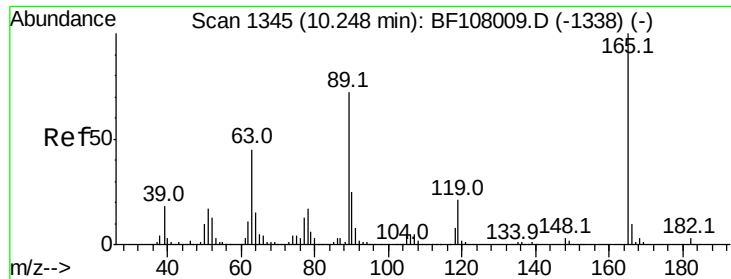
#50
2,6-Dinitrotoluene
Concen: 8.537 ng
RT: 10.04 min Scan# 1310
Delta R.T. 0.21 min
Lab File: BF108411.D
Acq: 23 Aug 2018 5:47

Tgt Ion:165 Resp: 31406
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
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

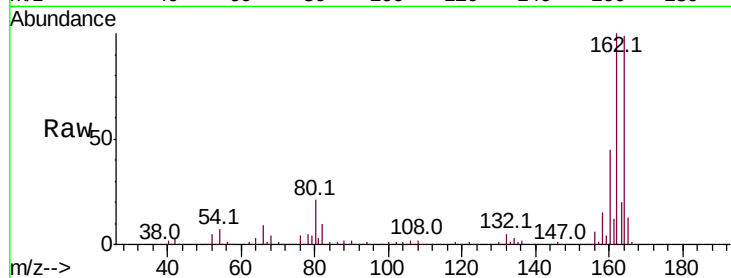




#56
2,4-Dinitrotoluene
Concen: 6.632 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.19 min
Lab File: BF108411.D
Acq: 23 Aug 2018 5:47

Instrument :
BNA_F
ClientSampled :

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#



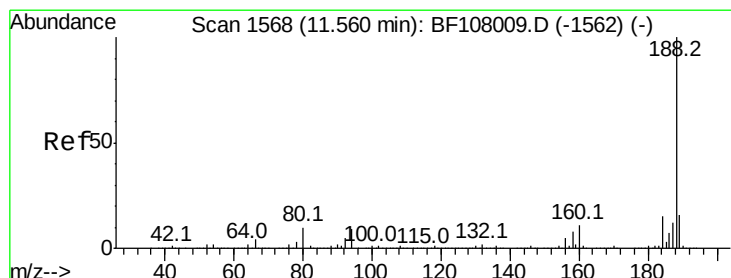
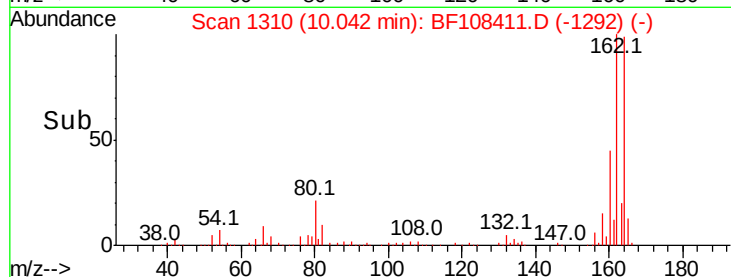
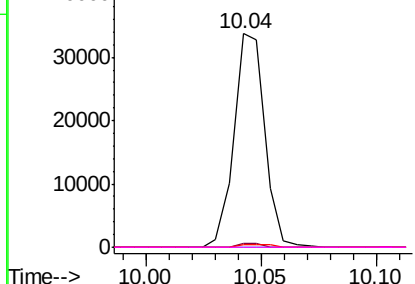
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

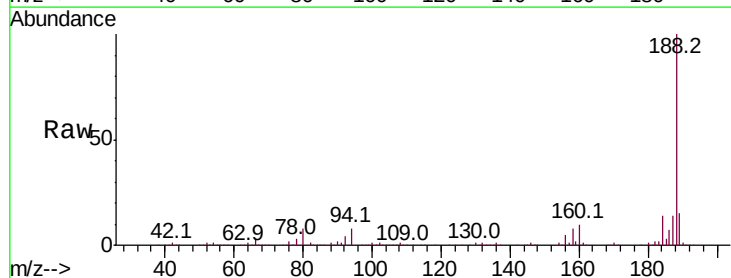
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF108411.D
Acq: 23 Aug 2018 5:47

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.6	8.5	12.7#
80	8.2	9.2	13.8#

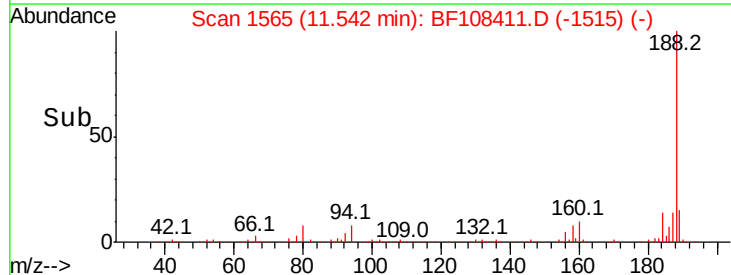
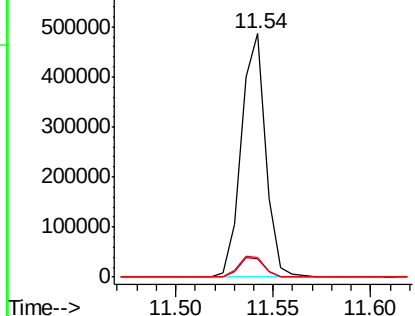


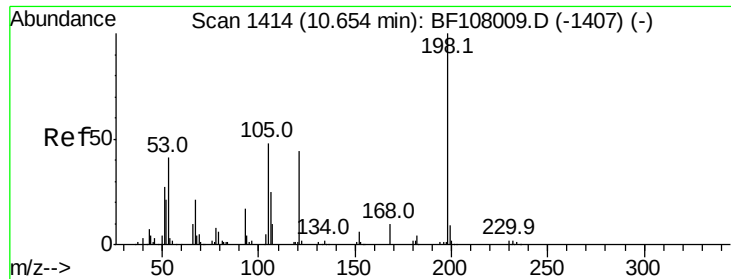
Abundance

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: 5.506 ng

RT: 10.84 min Scan# 1445

Delta R.T. 0.19 min

Lab File: BF108411.D

Acq: 23 Aug 2018 5:47

Instrument :

BNA_F

ClientSampleId :

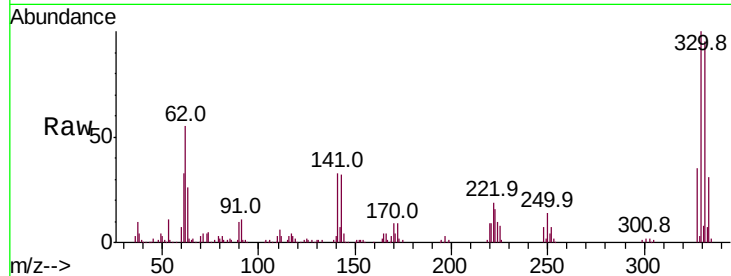
Tot Ion:198 Resp: 262

Ion Ratio Lower Upper

198 100

51 243.6 37.7 77.7#

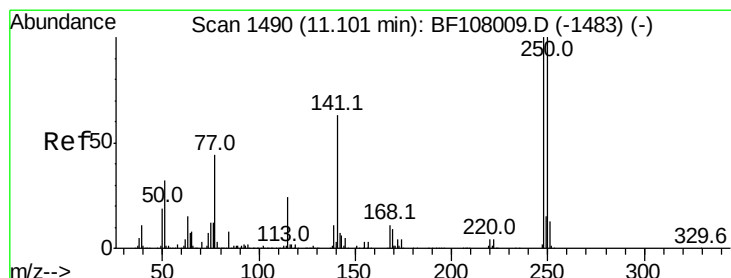
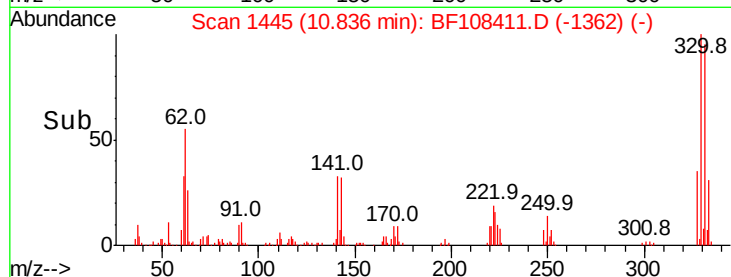
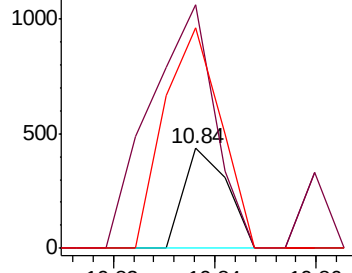
105 221.3 36.3 76.3#



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: 2.677 ng

RT: 10.84 min Scan# 1445

Delta R.T. -0.25 min

Lab File: BF108411.D

Acq: 23 Aug 2018 5:47

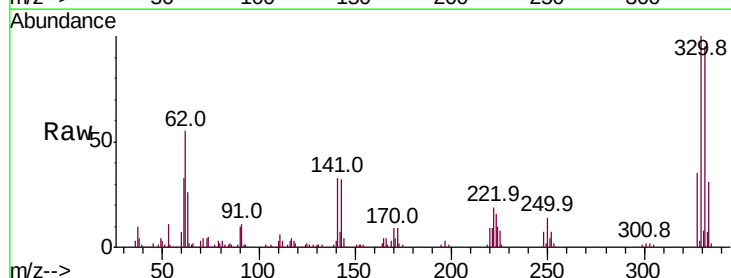
Tgt Ion:248 Resp: 12222

Ion Ratio Lower Upper

248 100

250 202.0 76.9 115.3#

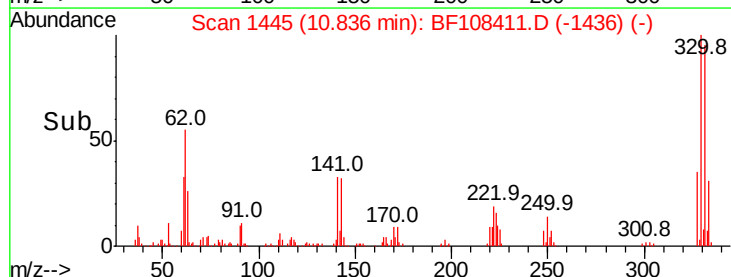
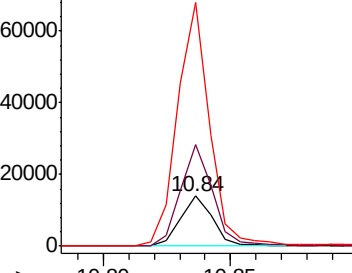
141 486.2 74.4 111.6#

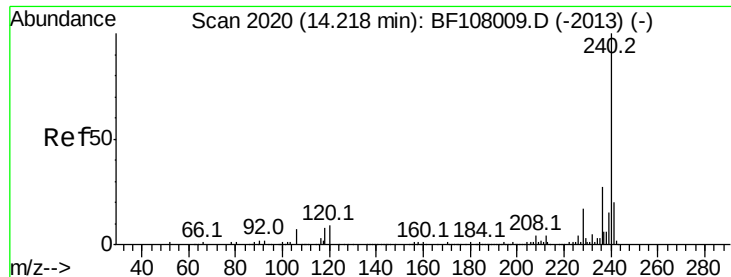


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.19 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF108411.D

Acq: 23 Aug 2018 5:47

Instrument :

BNA_F

ClientSampleId :

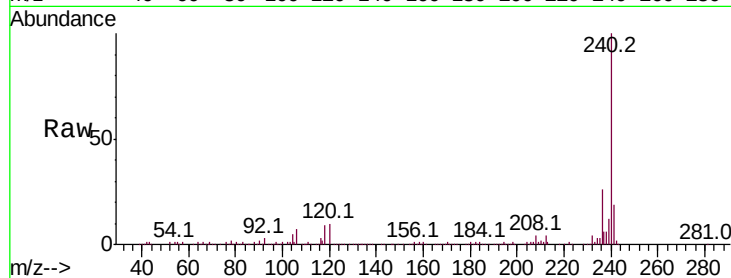
Tot Ion:240 Resp: 289202

Ion Ratio Lower Upper

240 100

120 10.2 9.5 14.3

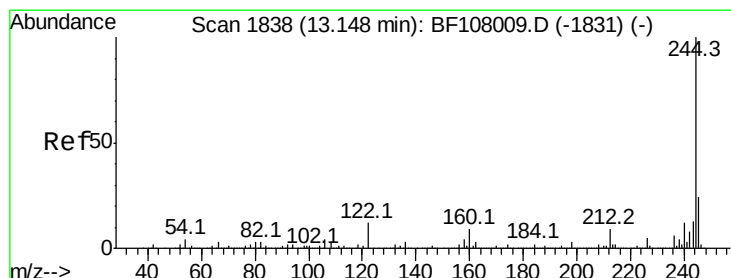
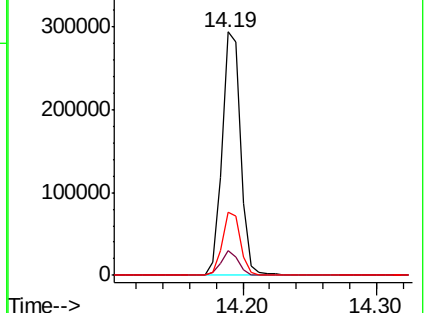
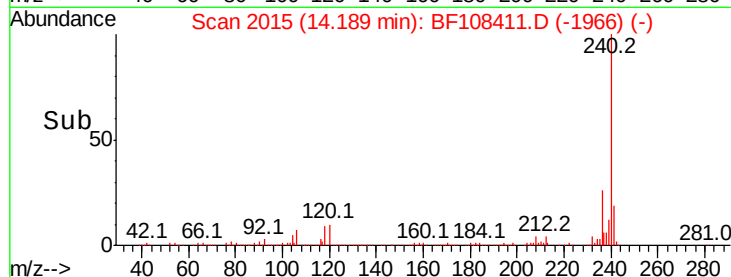
236 26.1 20.7 31.1



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: 109.818 ng

RT: 13.13 min Scan# 1835

Delta R.T. -0.00 min

Lab File: BF108411.D

Acq: 23 Aug 2018 5:47

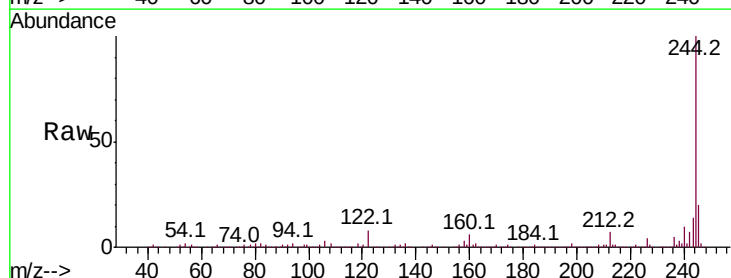
Tgt Ion:244 Resp: 1249113

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

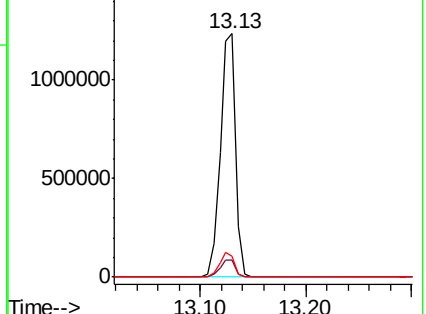
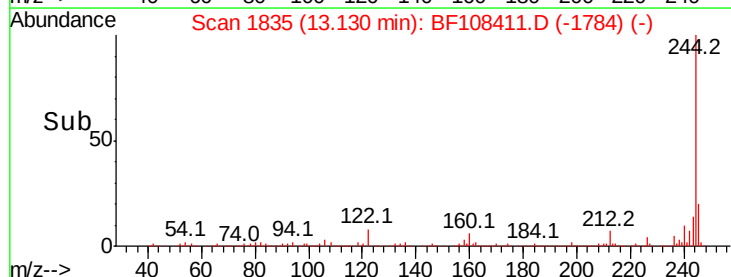
122 8.4 11.0 16.4#

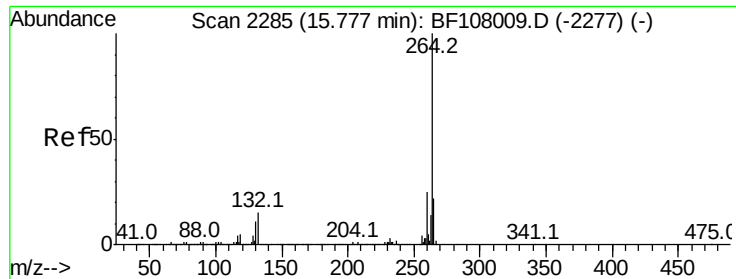


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.75 min Scan# 2280
 Delta R.T. -0.01 min
 Lab File: BF108411.D
 Acq: 23 Aug 2018 5:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	20.8	17.5	26.3

