

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082218\
 Data File : BF108409.D
 Acq On : 23 Aug 2018 4:53
 Operator : JU/SJ
 Sample : J4525-10
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 23 07:59:52 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

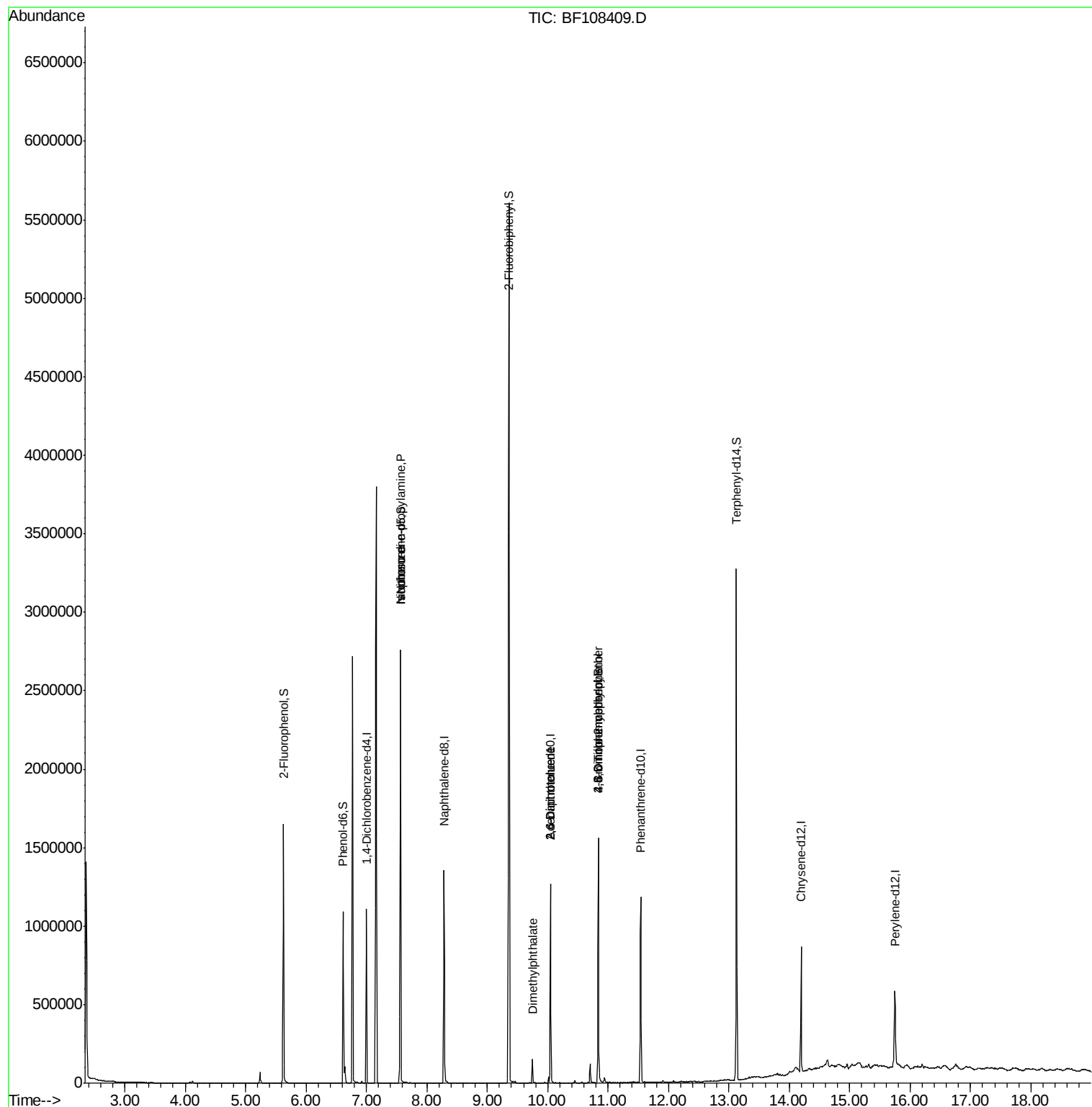
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	148289	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	547756	20.00	ng	0.00
38) Acenaphthene-d10	10.05	164	255687	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	422374	20.00	ng	0.00
75) Chrysene-d12	14.19	240	282333	20.00	ng	0.00
86) Perylene-d12	15.75	264	237322	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	372844	45.52	ng	0.00
7) Phenol-d6	6.61	99	316288	29.06	ng	-0.02
23) Nitrobenzene-d5	7.57	82	944950	96.26	ng	0.00
41) 2,4,6-Tribromophenol	10.84	330	180220	70.66	ng	-0.01
44) 2-Fluorobiphenyl	9.36	172	1712828	107.55	ng	0.00
78) Terphenyl-d14	13.13	244	1218199	109.71	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.57	70	129733	17.626	ng	# 83
25) Isophorone	7.57	82	944941	50.505	ng	# 64
49) Dimethylphthalate	9.75	163	64978	3.648	ng	100
50) 2,6-Dinitrotoluene	10.05	165	32394	8.693	ng	# 26
56) 2,4-Dinitrotoluene	10.05	165	32394	6.754	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.84	198	275	5.513	ng	# 1
66) 4-Bromophenyl-phenylether	10.84	248	11847	2.581	ng	# 1

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

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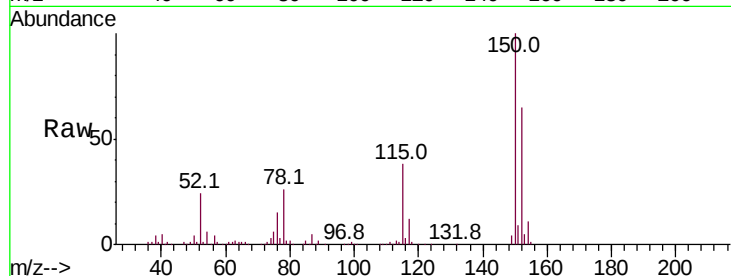


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108409.D
Acq: 23 Aug 2018 4:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	124.6	186.8
115	59.5	50.1	75.1

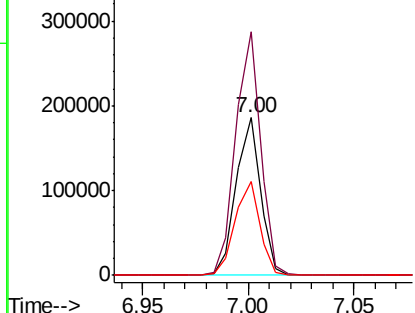
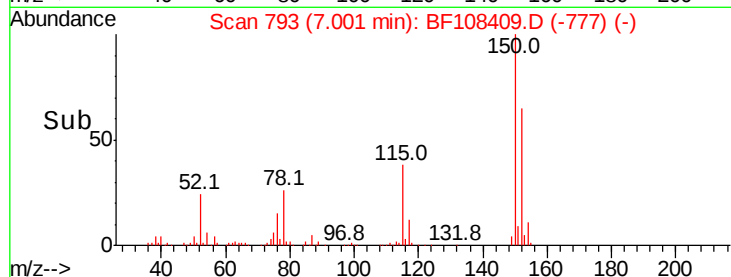


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

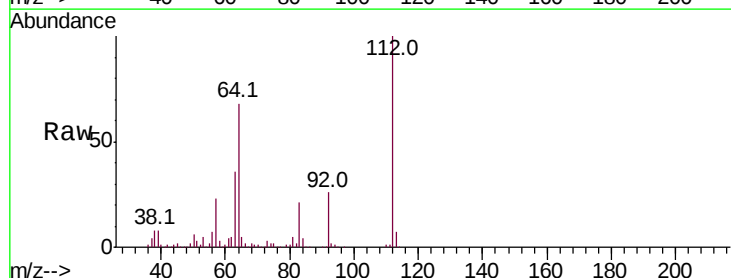
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 45.520 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF108409.D
Acq: 23 Aug 2018 4:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.0	47.9	71.9
63	35.8	23.7	35.5#

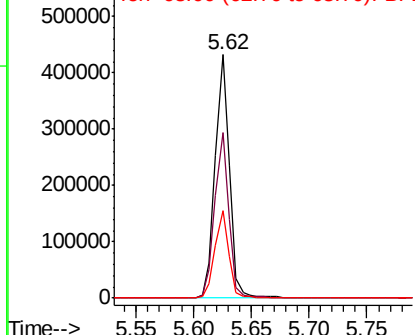
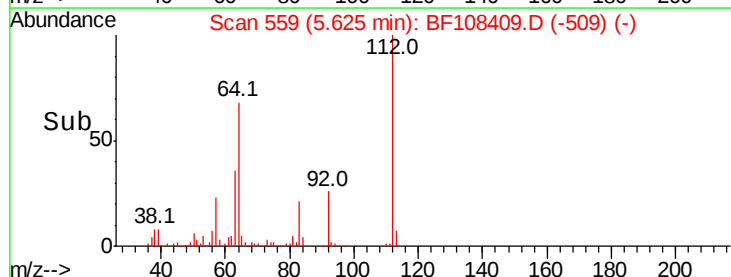


Abundance

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: 29.059 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108409.D

Acq: 23 Aug 2018 4:53

Instrument :

BNA_F

ClientSampled :

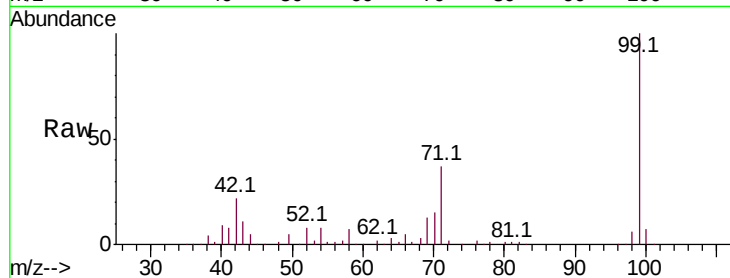
Tot Ion: 99 Resp: 316288

Ion Ratio Lower Upper

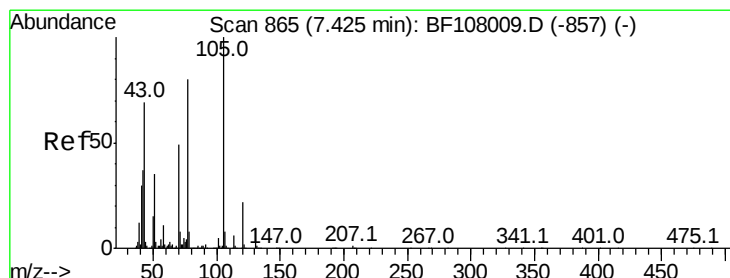
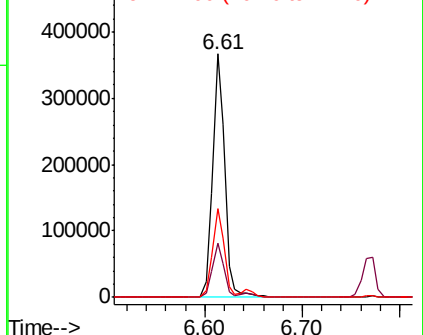
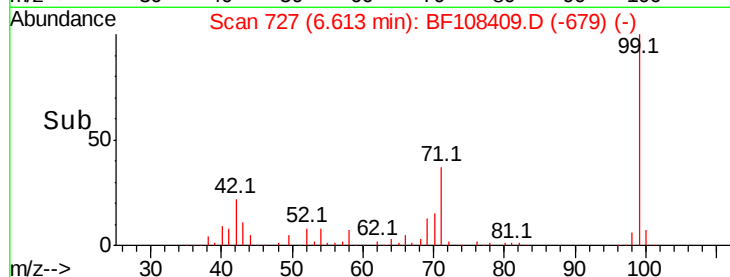
99 100

42 22.3 14.5 21.7#

71 36.7 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: 17.626 ng

RT: 7.57 min Scan# 889

Delta R.T. 0.15 min

Lab File: BF108409.D

Acq: 23 Aug 2018 4:53

Tgt Ion: 70 Resp: 129733

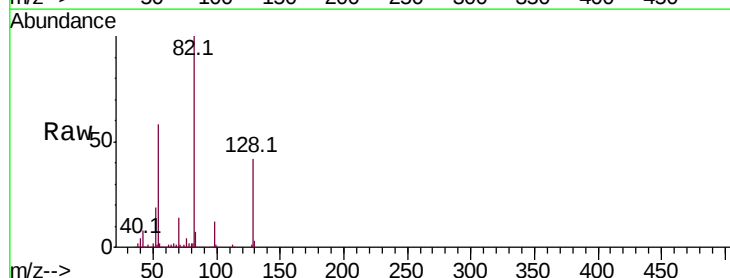
Ion Ratio Lower Upper

70 100

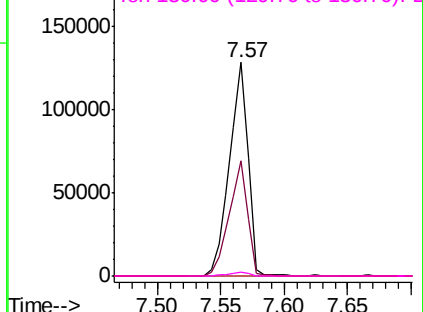
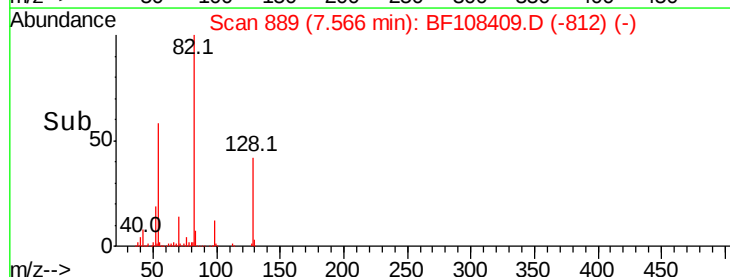
42 53.7 47.5 71.3

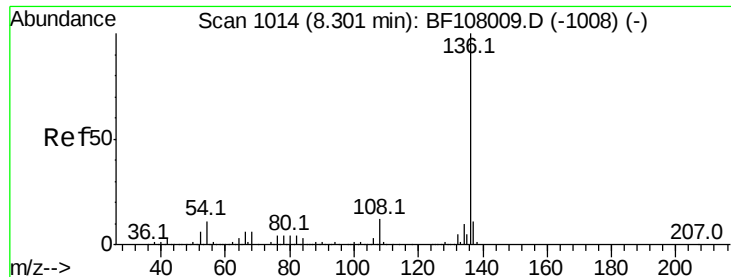
101 0.0 7.4 11.2#

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

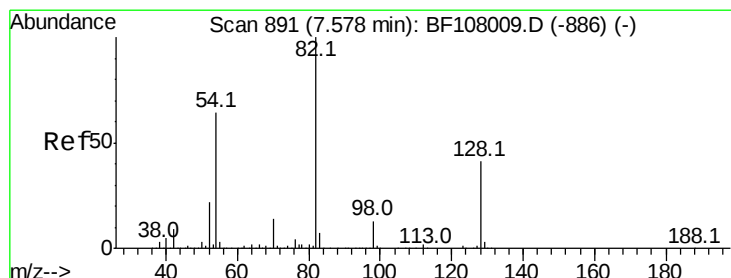
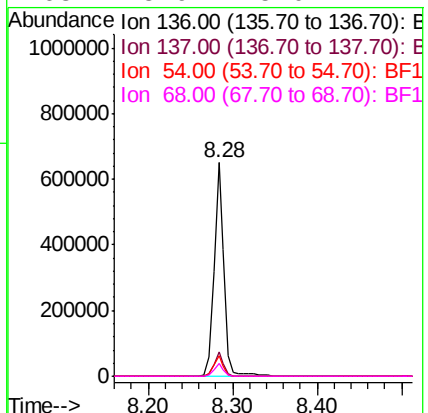
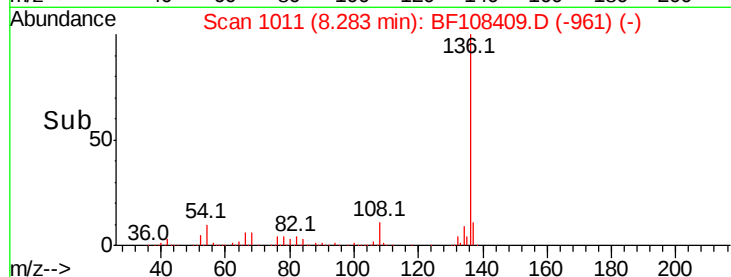
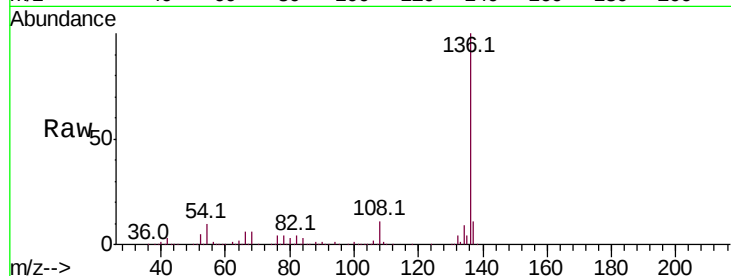




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF108409.D
Acq: 23 Aug 2018 4:53

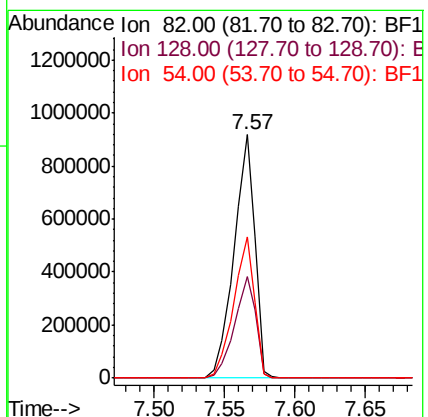
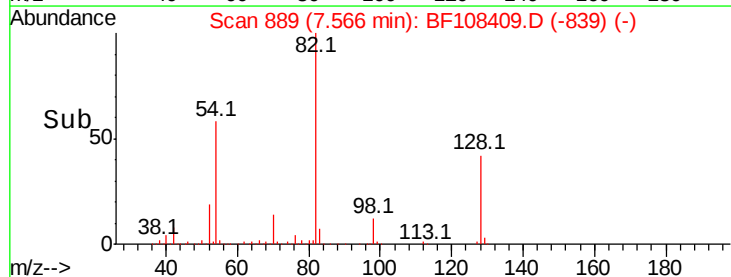
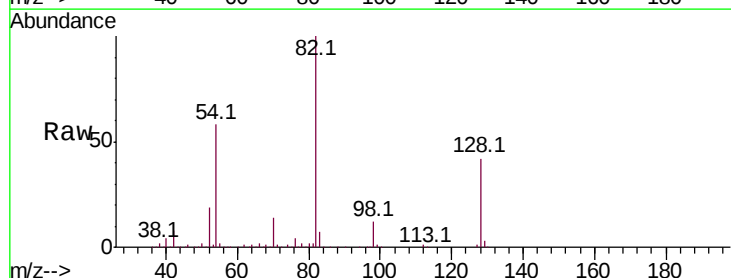
Instrument :
BNA_F
ClientSampleId :

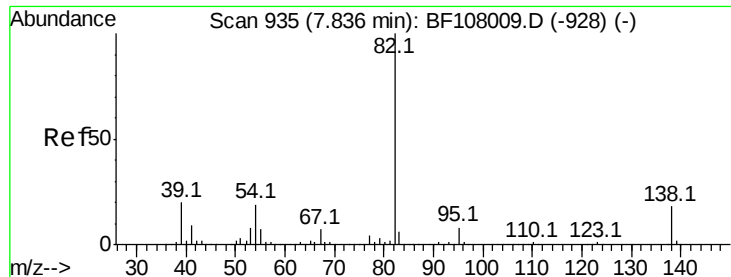
Tot Ion:136	Resp:	547756
Ion Ratio	Lower	Upper
136	100	
137	11.4	8.9 13.3
54	9.6	6.6 9.8
68	5.9	5.0 7.4



#23
Nitrobenzene-d5
Concen: 96.265 ng
RT: 7.57 min Scan# 889
Delta R.T. -0.01 min
Lab File: BF108409.D
Acq: 23 Aug 2018 4:53

Tgt Ion: 82	Resp:	944950
Ion Ratio	Lower	Upper
82	100	
128	41.5	36.1 54.1
54	58.1	41.4 62.2





#25

Isophorone

Concen: 50.505 ng

RT: 7.57 min Scan# 889

Delta R.T. -0.26 min

Lab File: BF108409.D

Acq: 23 Aug 2018 4:53

Instrument :

BNA_F

ClientSampled :

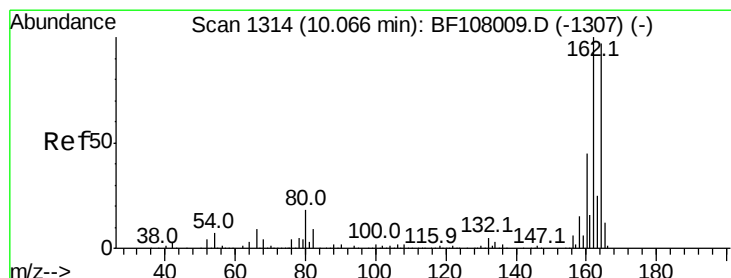
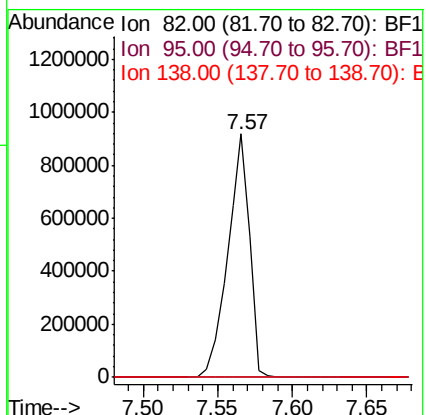
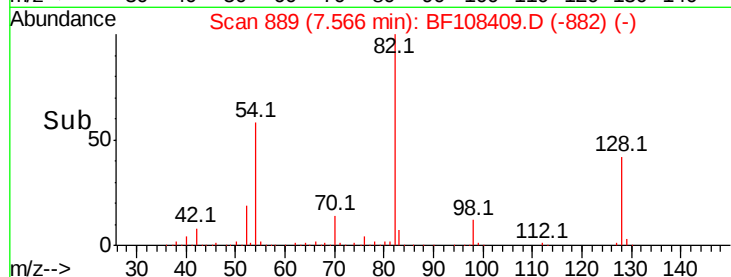
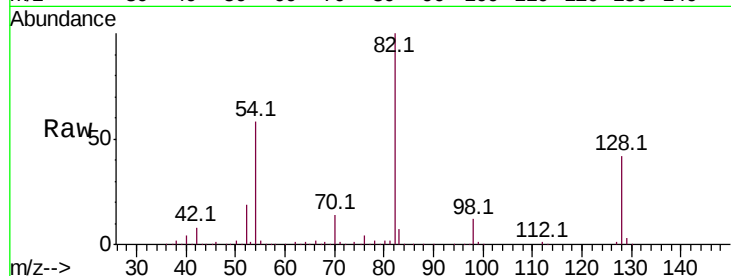
Tot Ion: 82 Resp: 944941

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.05 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF108409.D

Acq: 23 Aug 2018 4:53

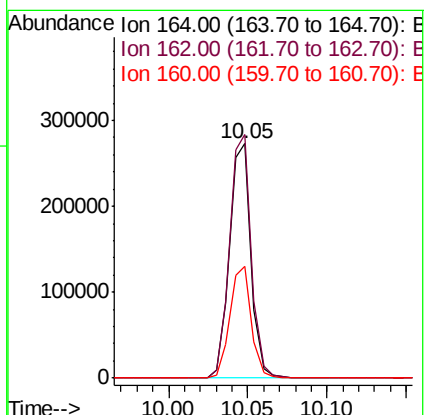
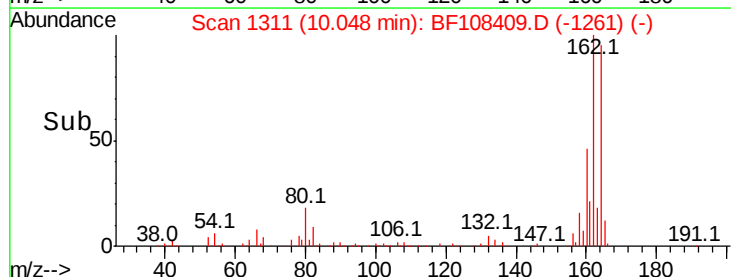
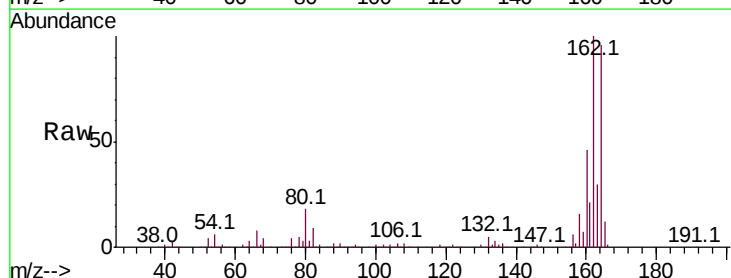
Tgt Ion:164 Resp: 255687

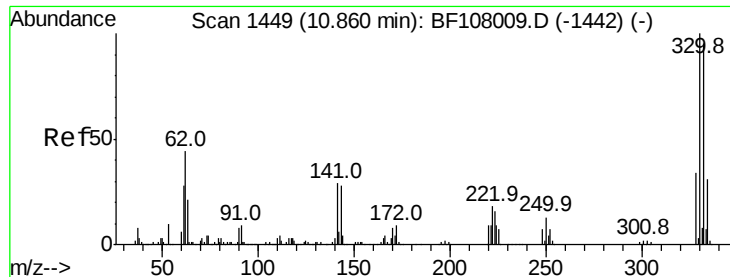
Ion Ratio Lower Upper

164 100

162 103.9 86.1 129.1

160 47.8 38.3 57.5

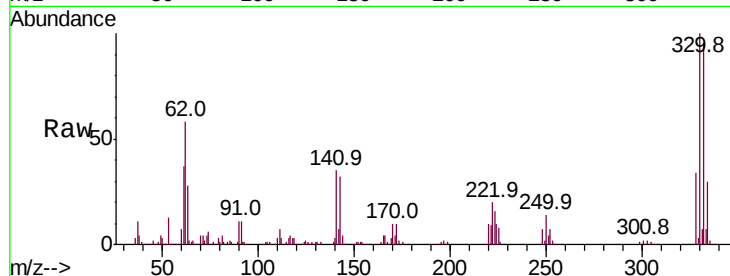




#41
 2,4,6-Tribromophenol
 Concen: 70.663 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108409.D
 Acq: 23 Aug 2018 4:53

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	33.1	29.9	44.9

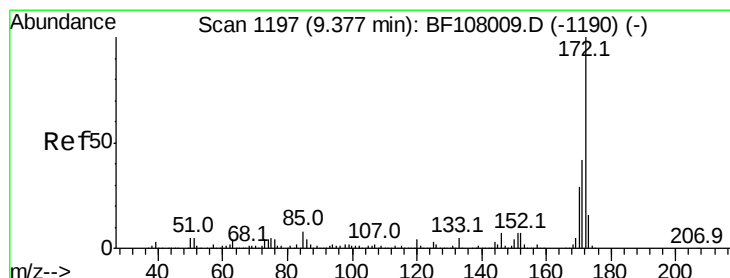
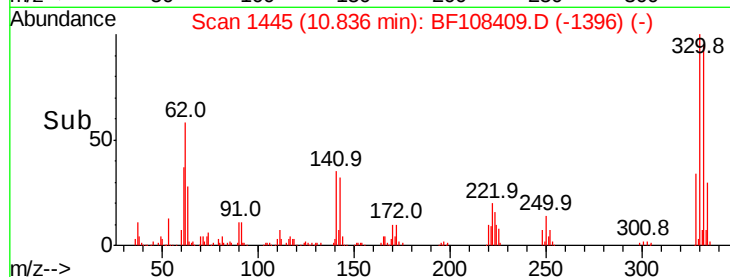
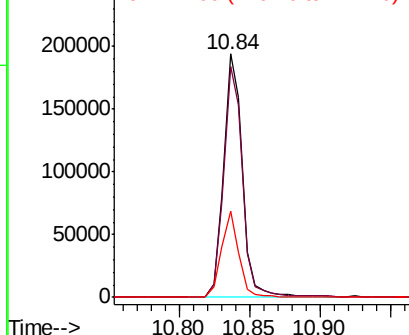


Abundance

Ion 329.80 (329.50 to 330.50): E

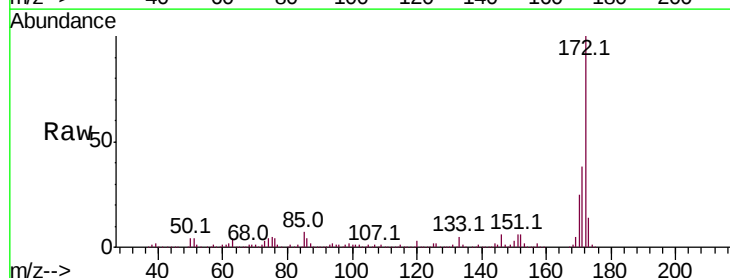
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 107.549 ng
 RT: 9.36 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF108409.D
 Acq: 23 Aug 2018 4:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.7	29.7	44.5
170	25.4	19.6	29.4

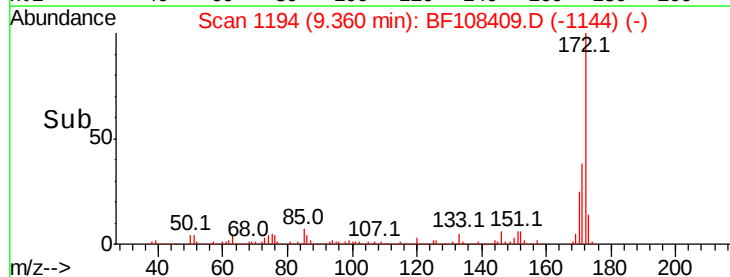
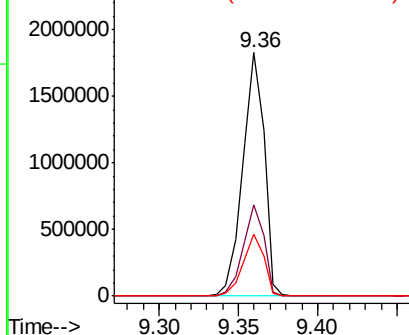


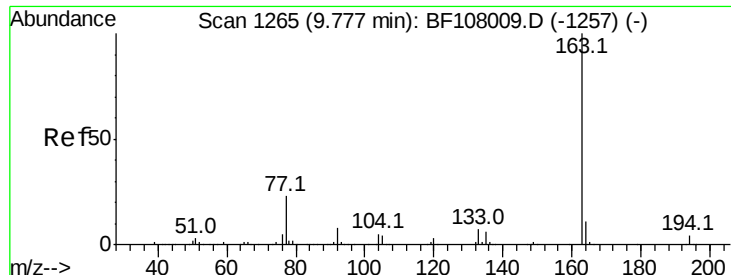
Abundance

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

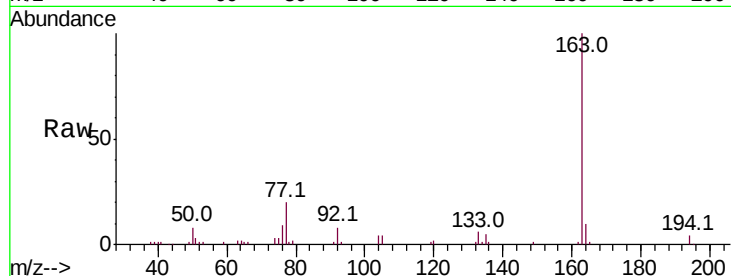




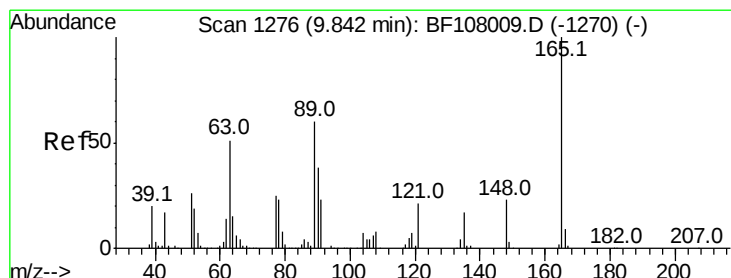
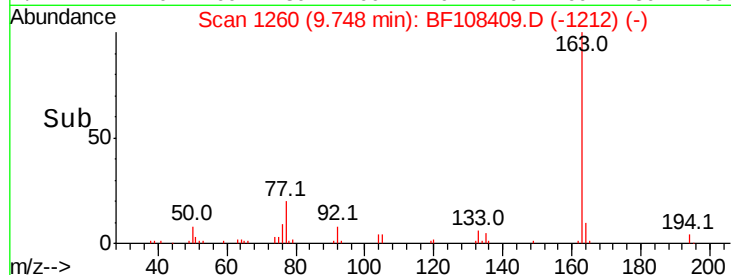
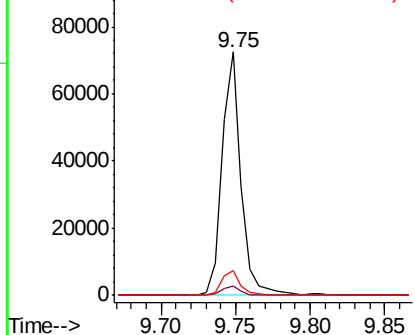
#49
Dimethylphthalate
Concen: 3.648 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF108409.D
Acq: 23 Aug 2018 4:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 64978
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 10.3 8.2 12.2

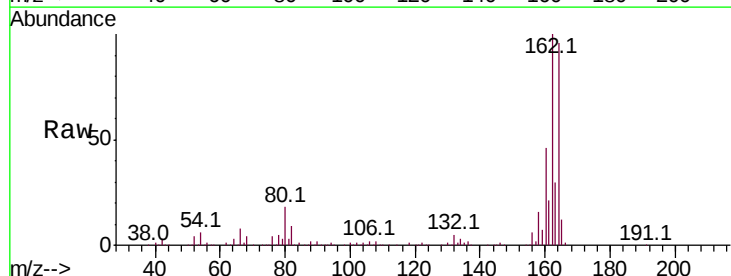


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

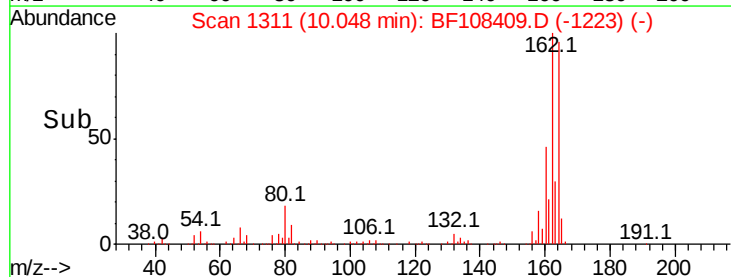
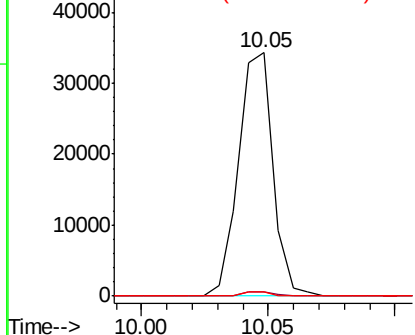


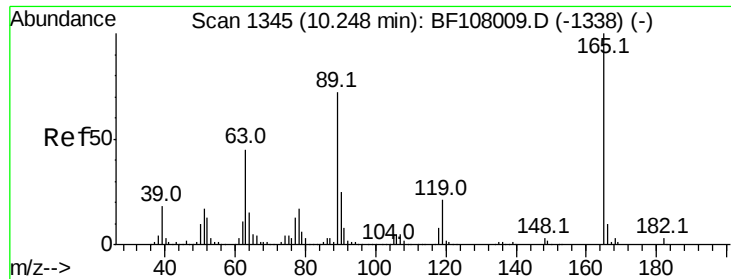
#50
2,6-Dinitrotoluene
Concen: 8.693 ng
RT: 10.05 min Scan# 1311
Delta R.T. 0.22 min
Lab File: BF108409.D
Acq: 23 Aug 2018 4:53

Tgt Ion:165 Resp: 32394
Ion Ratio Lower Upper
165 100
63 1.6 44.7 67.1#
89 2.0 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

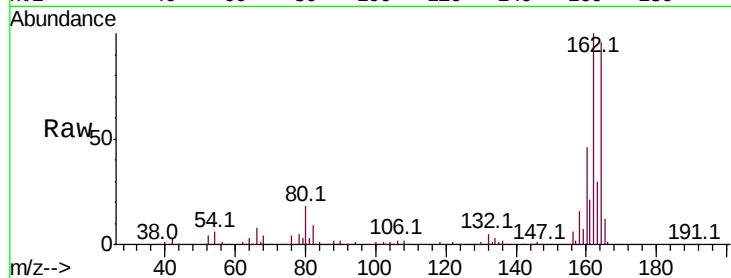




#56
 2,4-Dinitrotoluene
 Concen: 6.754 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. -0.19 min
 Lab File: BF108409.D
 Acq: 23 Aug 2018 4:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	2.0	57.8	86.6#
182	0.0	1.6	2.4#

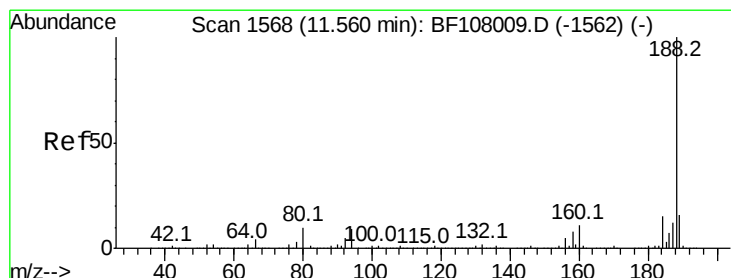
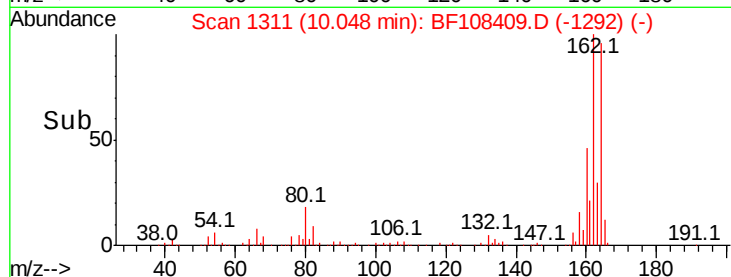
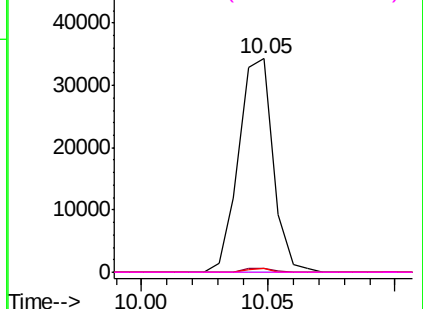


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

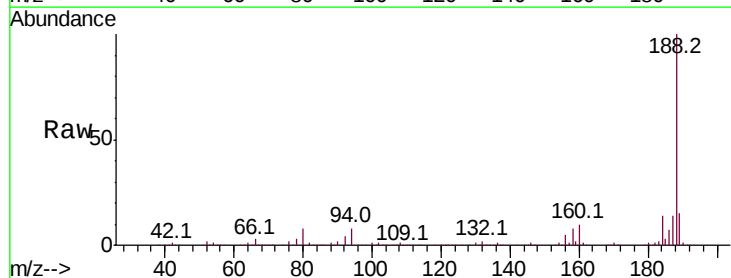
Ion 89.00 (88.70 to 89.70): BF1

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: BF108409.D
 Acq: 23 Aug 2018 4:53

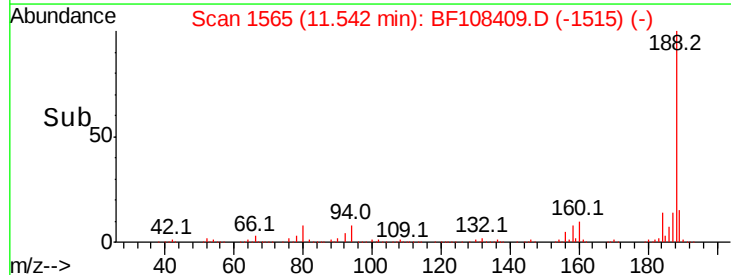
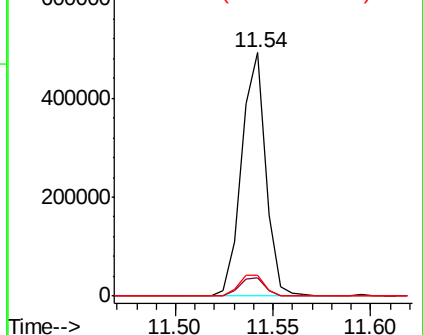
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.6	8.5	12.7#
80	8.4	9.2	13.8#

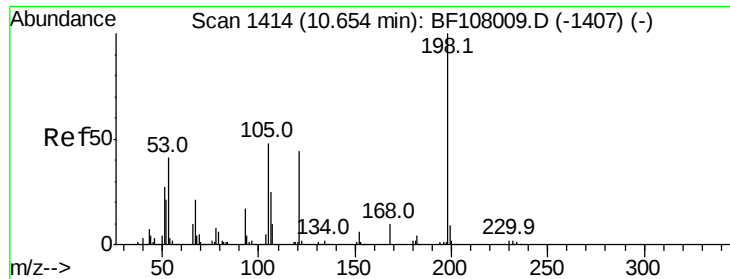


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

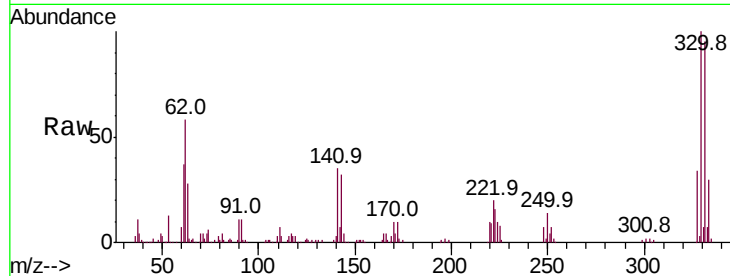




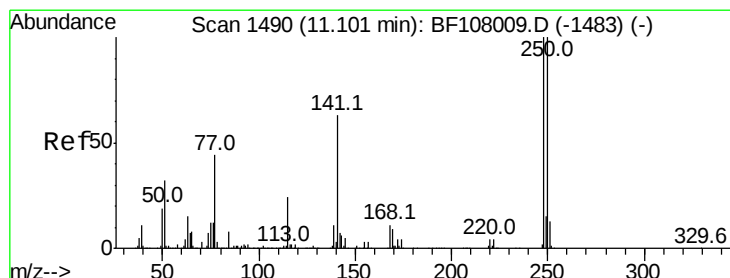
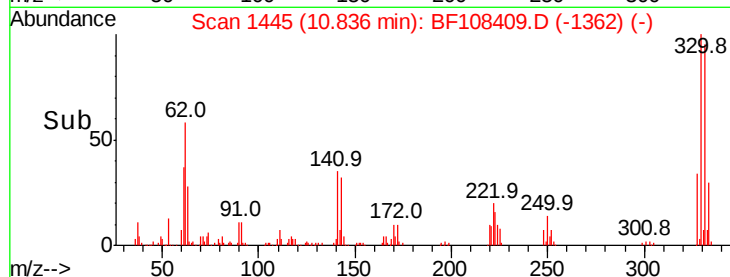
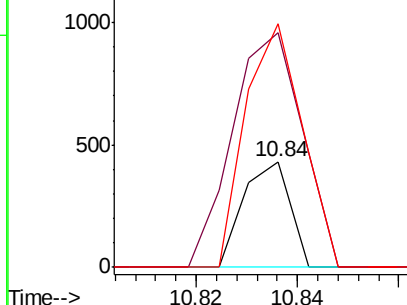
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.513 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. 0.19 min
 Lab File: BF108409.D
 Acq: 23 Aug 2018 4:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 275
 Ion Ratio Lower Upper
 198 100
 51 221.3 37.7 77.7#
 105 230.1 36.3 76.3#

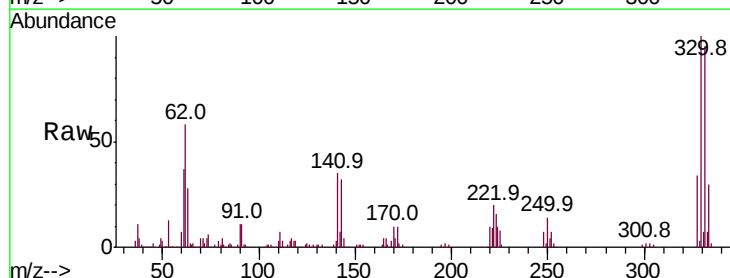


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

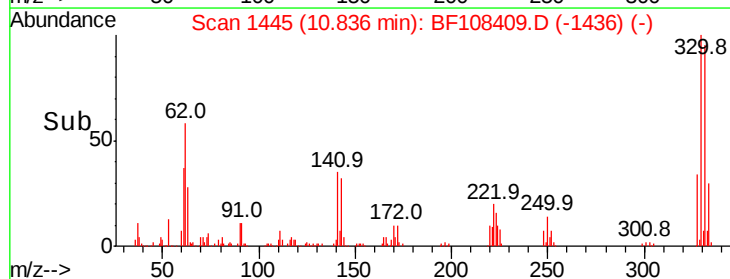
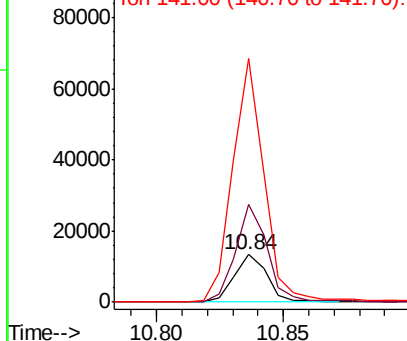


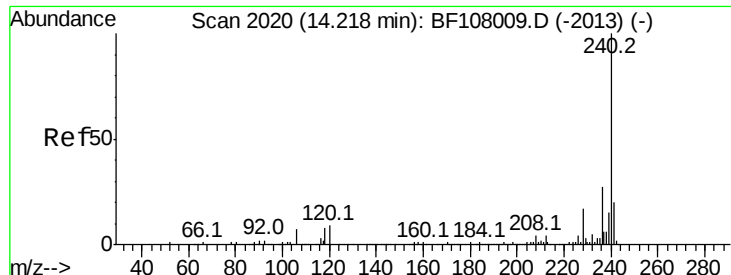
#66
 4-Bromophenyl-phenylether
 Concen: 2.581 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.25 min
 Lab File: BF108409.D
 Acq: 23 Aug 2018 4:53

Tgt Ion:248 Resp: 11847
 Ion Ratio Lower Upper
 248 100
 250 207.0 76.9 115.3#
 141 516.0 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

Chrvsene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF108409.D

Acq: 23 Aug 2018 4:53

Instrument :

BNA_F

ClientSampleId :

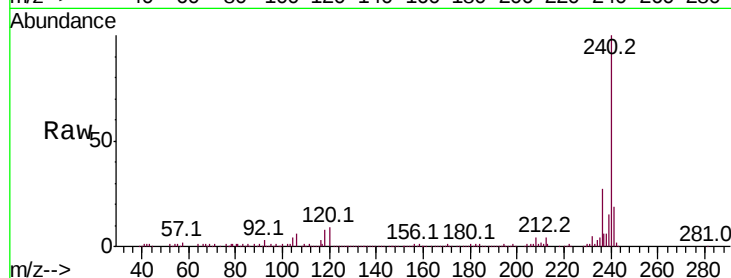
Tot Ion:240 Resp: 282333

Ion Ratio Lower Upper

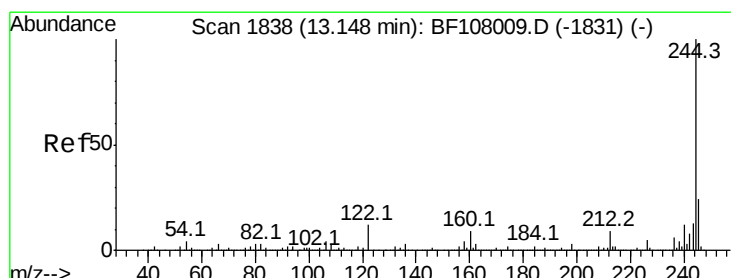
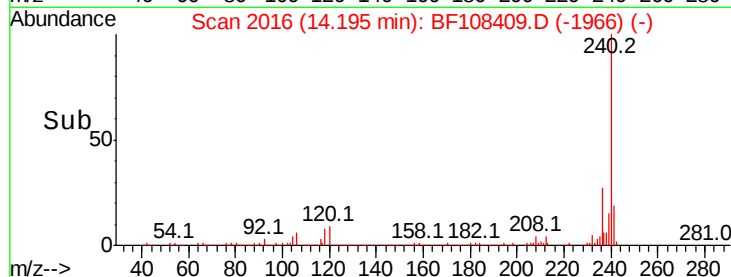
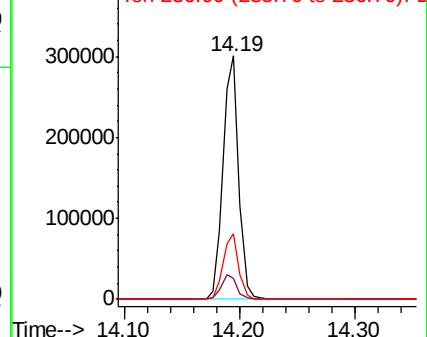
240 100

120 8.6 9.5 14.3#

236 26.9 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: 109.706 ng

RT: 13.13 min Scan# 1835

Delta R.T. -0.00 min

Lab File: BF108409.D

Acq: 23 Aug 2018 4:53

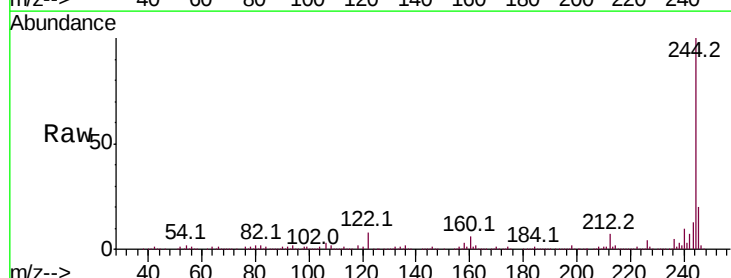
Tgt Ion:244 Resp: 1218199

Ion Ratio Lower Upper

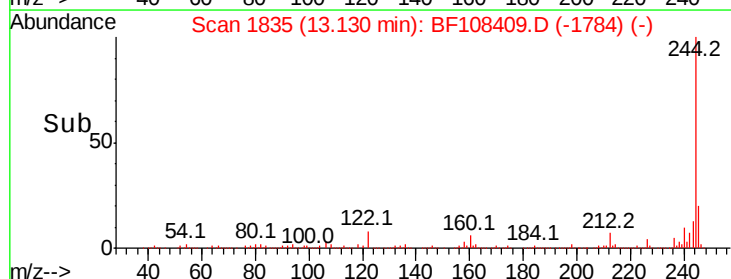
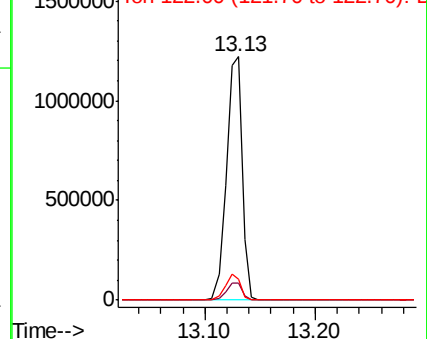
244 100

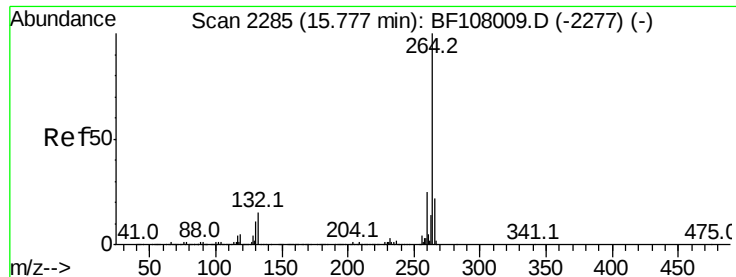
212 7.0 5.4 8.0

122 8.5 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: BF108409.D
 Acq: 23 Aug 2018 4:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.3	17.5	26.3

