

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082418\
 Data File : BF108469.D
 Acq On : 24 Aug 2018 17:59
 Operator : JU/SJ
 Sample : J4581-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 24 18:35:45 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

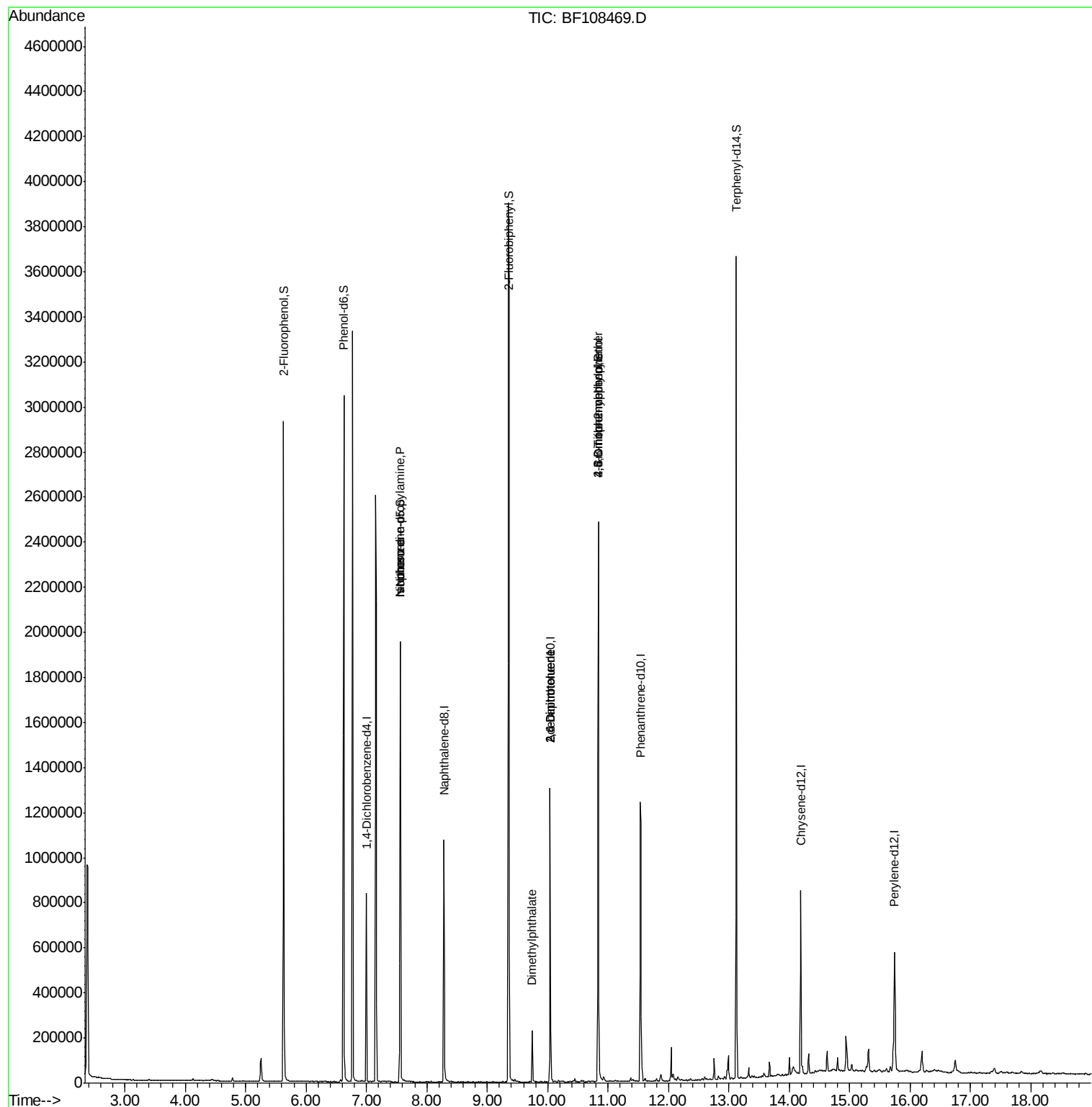
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	127770	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	481569	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	245560	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	473341	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	275153	20.00	ng	-0.01
86) Perylene-d12	15.74	264	263417	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	759012	107.55	ng	0.00
7) Phenol-d6	6.62	99	1018857	108.64	ng	0.00
23) Nitrobenzene-d5	7.56	82	690594	80.02	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	307991	125.74	ng	0.00
44) 2-Fluorobiphenyl	9.35	172	1283875	83.94	ng	-0.01
78) Terphenyl-d14	13.12	244	1220675	112.80	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.56	70	94285	14.867	ng	# 83
25) Isophorone	7.56	82	690582	41.983	ng	# 64
49) Dimethylphthalate	9.75	163	99049	5.791	ng	# 98
50) 2,6-Dinitrotoluene	10.04	165	30952	8.649	ng	# 26
56) 2,4-Dinitrotoluene	10.04	165	30952	6.719	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.84	198	690	5.704	ng	# 1
66) 4-Bromophenyl-phenylether	10.84	248	20630	4.011	ng	# 1

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

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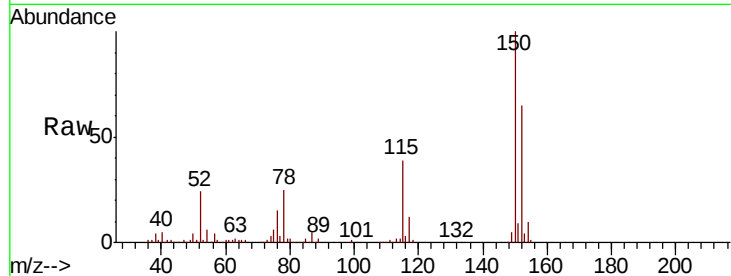


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108469.D
Acq: 24 Aug 2018 17:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	124.6	186.8
115	59.1	50.1	75.1

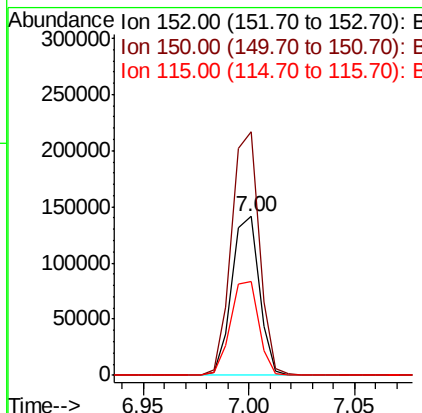
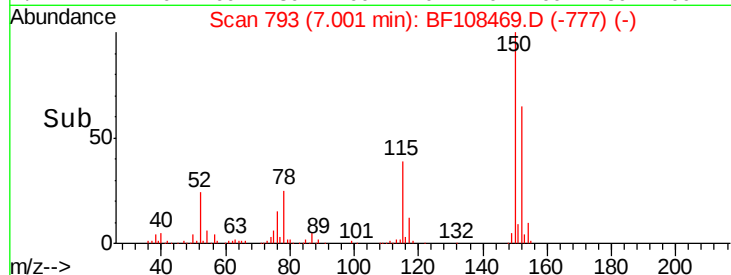


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

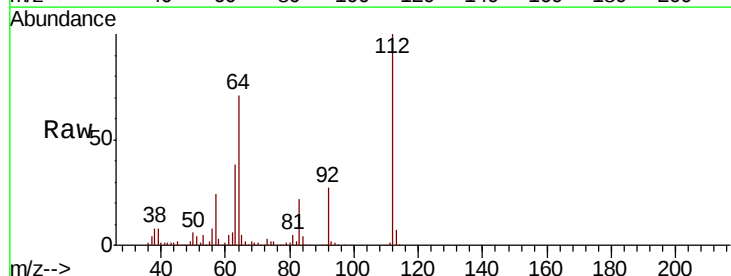
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 107.549 ng
RT: 5.63 min Scan# 560
Delta R.T. -0.00 min
Lab File: BF108469.D
Acq: 24 Aug 2018 17:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.0	47.9	71.9
63	37.7	23.7	35.5

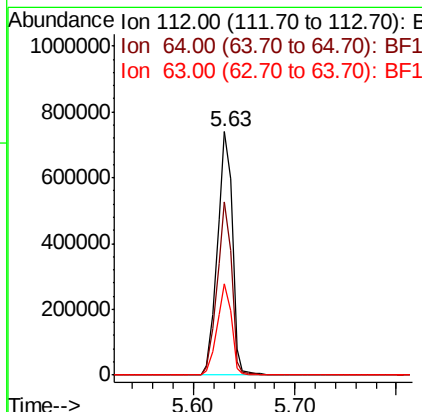
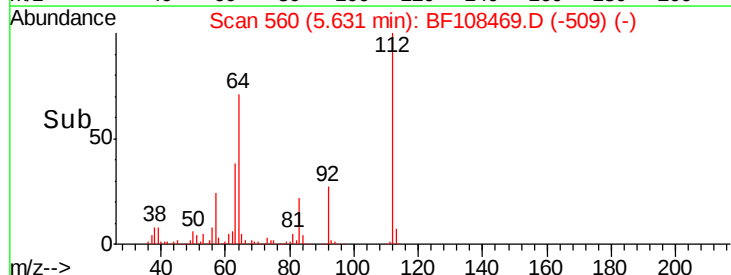


Abundance

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: 108.640 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108469.D

Acq: 24 Aug 2018 17:59

Instrument :

BNA_F

ClientSampled :

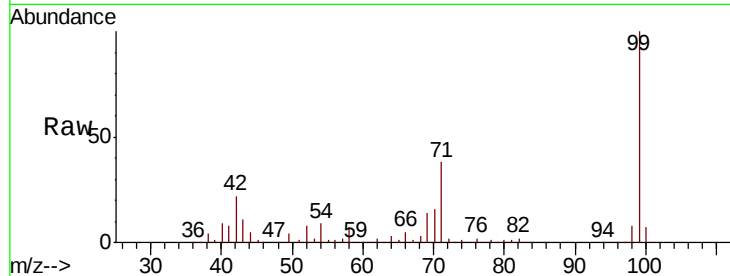
Tot Ion: 99 Resp: 1018857

Ion Ratio Lower Upper

99 100

42 22.0 14.5 21.7#

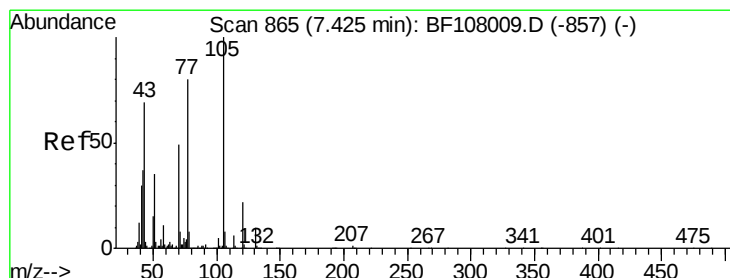
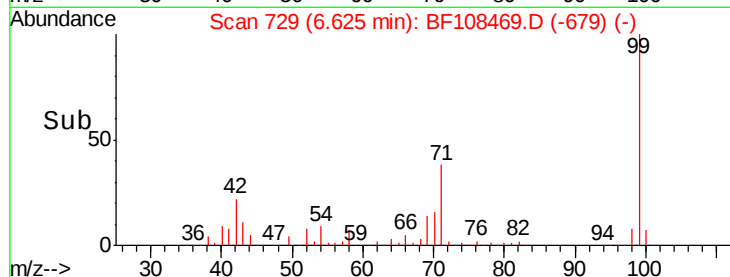
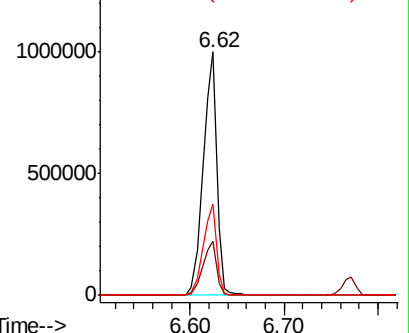
71 37.6 25.4 38.0



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: 14.867 ng

RT: 7.56 min Scan# 888

Delta R.T. 0.15 min

Lab File: BF108469.D

Acq: 24 Aug 2018 17:59

Tgt Ion: 70 Resp: 94285

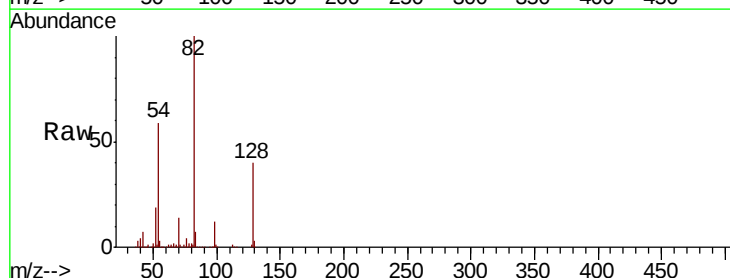
Ion Ratio Lower Upper

70 100

42 53.4 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

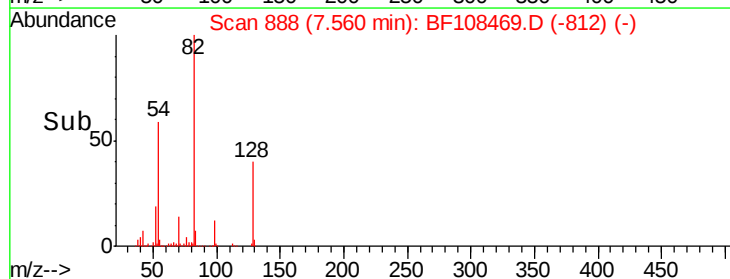
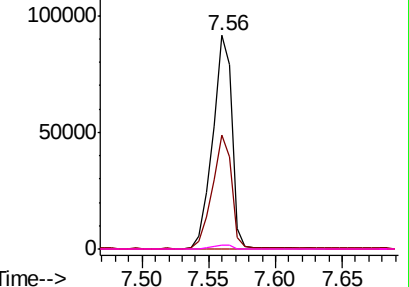


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF108469.D

Acq: 24 Aug 2018 17:59

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 481569

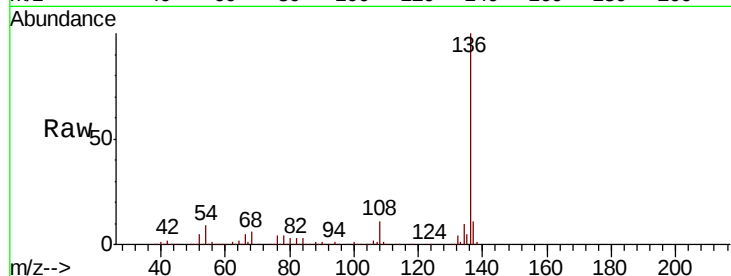
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 9.3 6.6 9.8

68 5.6 5.0 7.4

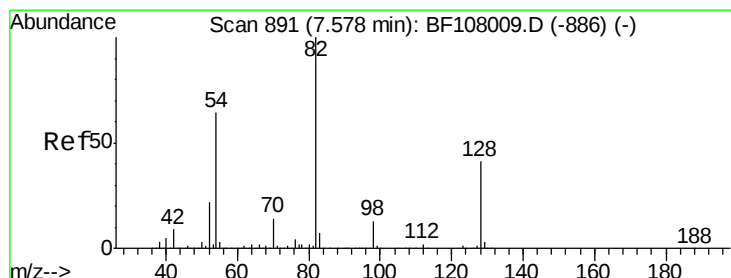
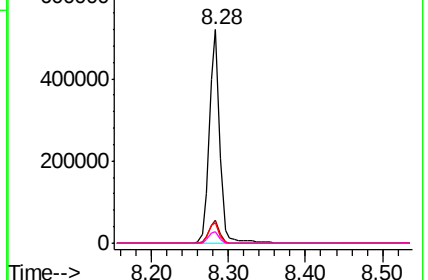
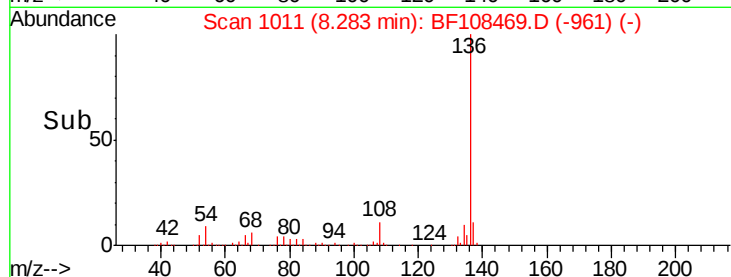


Abundance Ion 136.00 (135.70 to 136.70): E

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: 80.022 ng

RT: 7.56 min Scan# 888

Delta R.T. -0.01 min

Lab File: BF108469.D

Acq: 24 Aug 2018 17:59

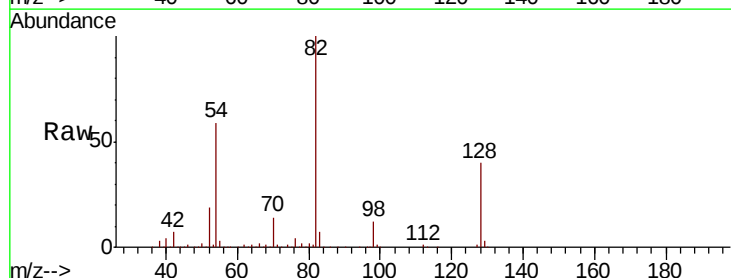
Tgt Ion: 82 Resp: 690594

Ion Ratio Lower Upper

82 100

128 40.4 36.1 54.1

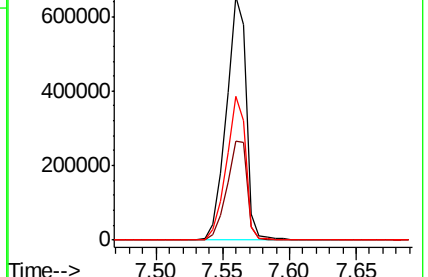
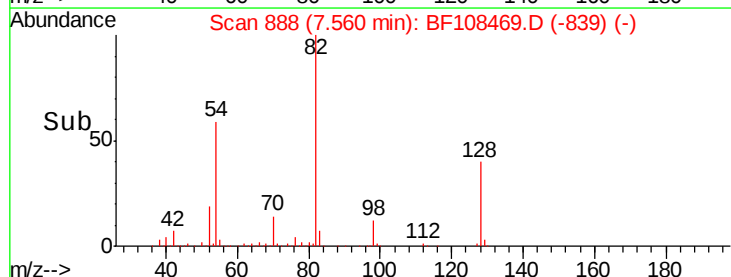
54 58.9 41.4 62.2



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: 41.983 ng

RT: 7.56 min Scan# 888

Delta R.T. -0.26 min

Lab File: BF108469.D

Acq: 24 Aug 2018 17:59

Instrument :

BNA_F

ClientSampleId :

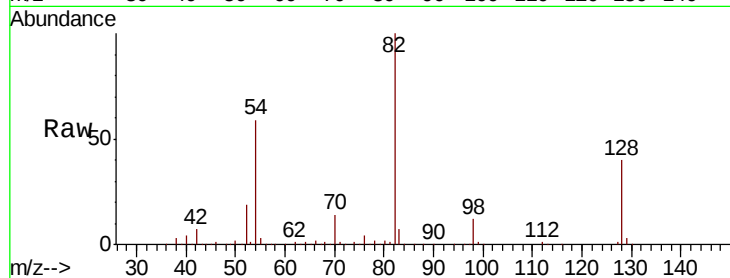
Tot Ion: 82 Resp: 690582

Ion Ratio Lower Upper

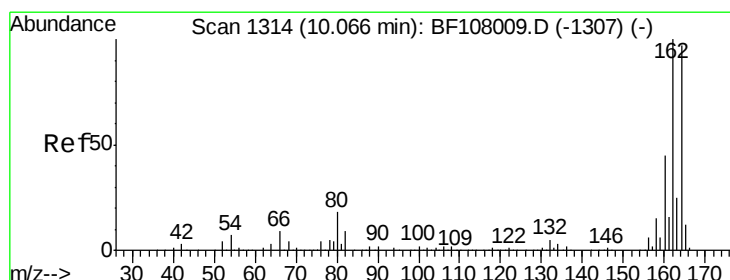
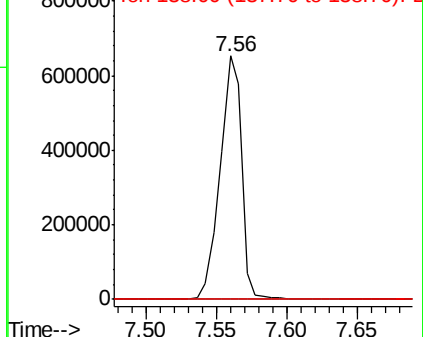
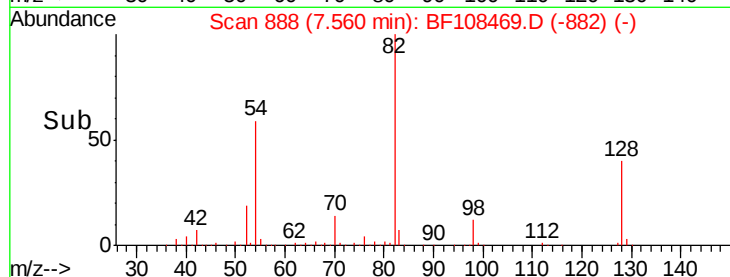
82 100

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: 10.04 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF108469.D

Acq: 24 Aug 2018 17:59

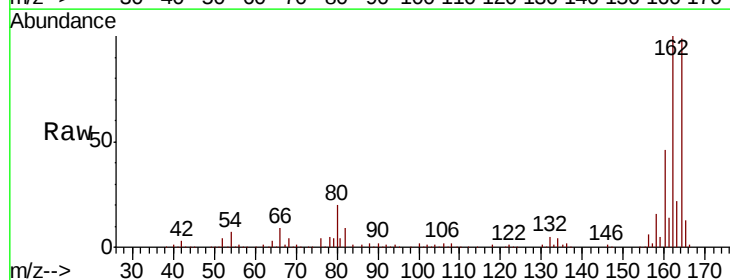
Tgt Ion:164 Resp: 245560

Ion Ratio Lower Upper

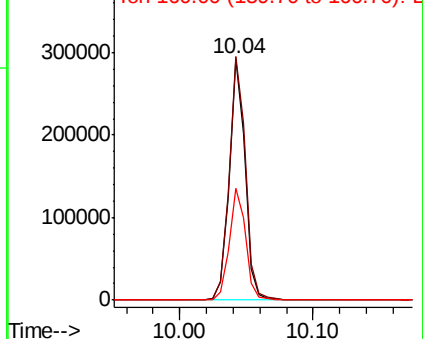
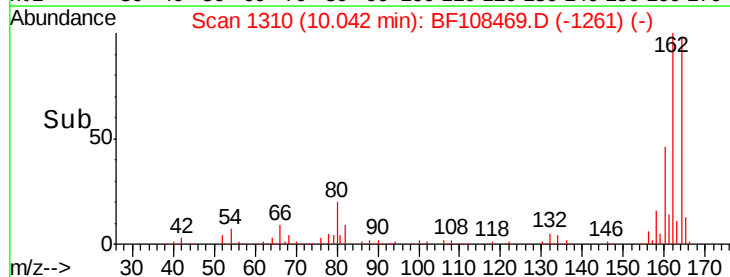
164 100

162 100.8 86.1 129.1

160 46.1 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

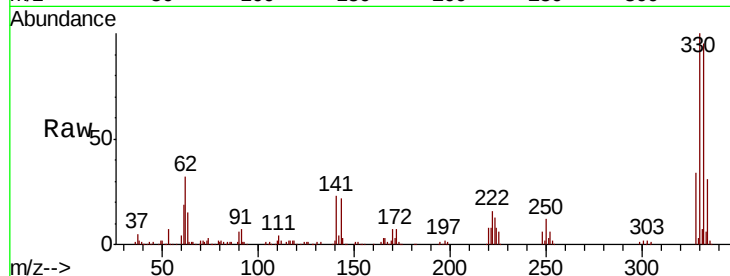




#41
 2,4,6-Tribromophenol
 Concen: 125.741 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF108469.D
 Acq: 24 Aug 2018 17:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	32.6	29.9	44.9

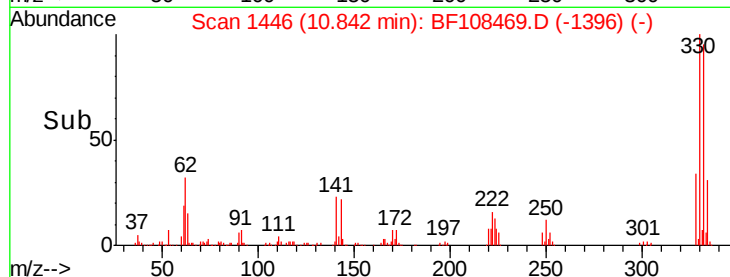
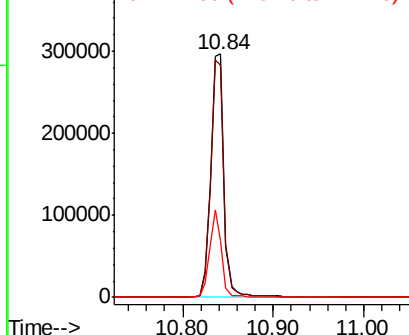


Abundance

Ion 329.80 (329.50 to 330.50): E

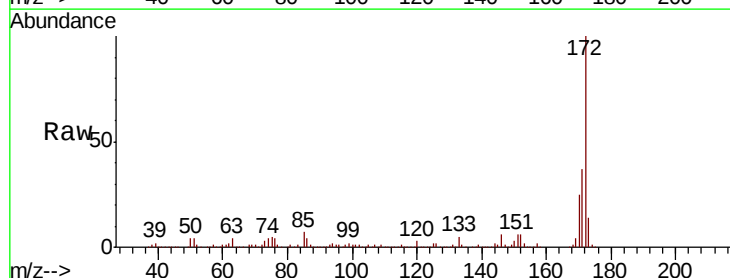
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 83.940 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108469.D
 Acq: 24 Aug 2018 17:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.7	19.6	29.4

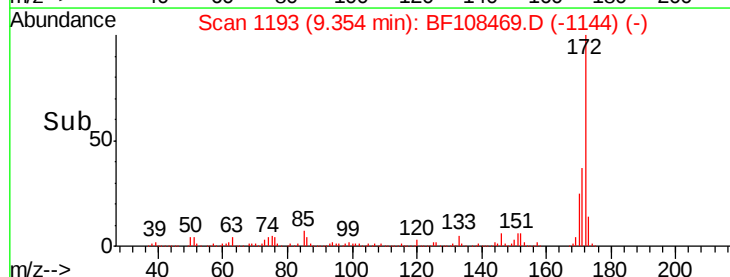
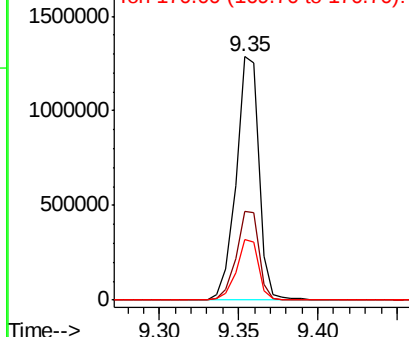


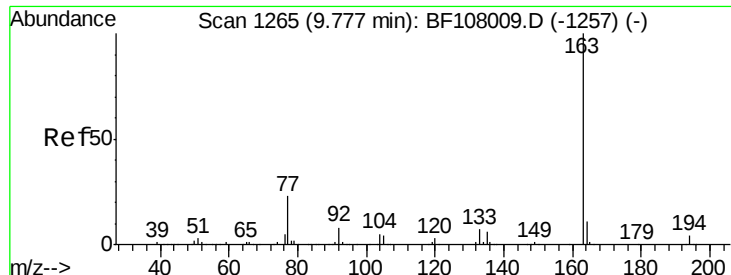
Abundance

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

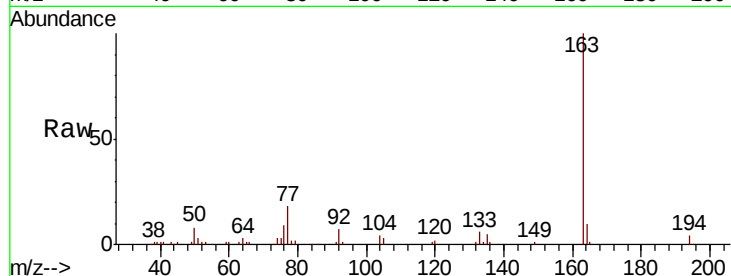




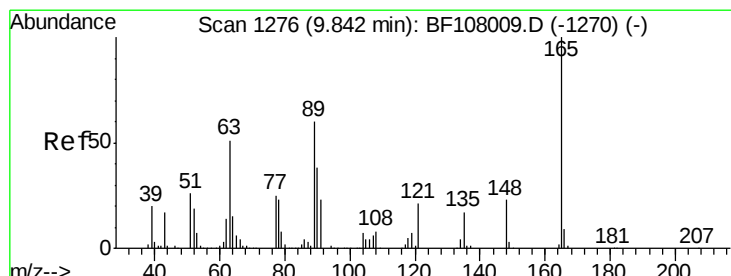
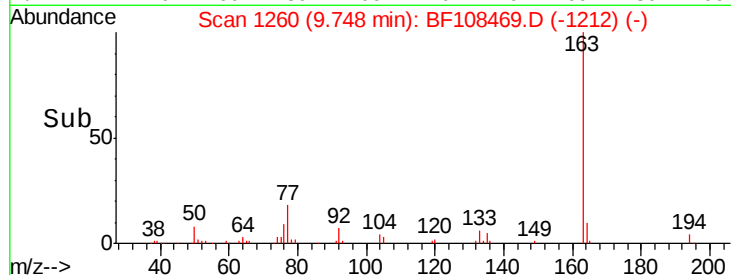
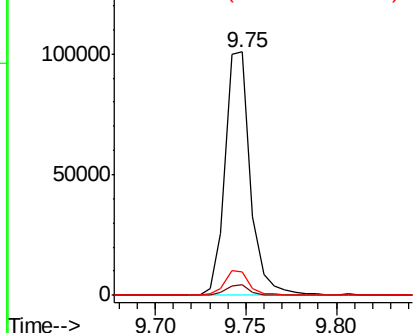
#49
Dimethylphthalate
Concen: 5.791 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF108469.D
Acq: 24 Aug 2018 17:59

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.1	2.7	4.1#
164	9.6	8.2	12.2

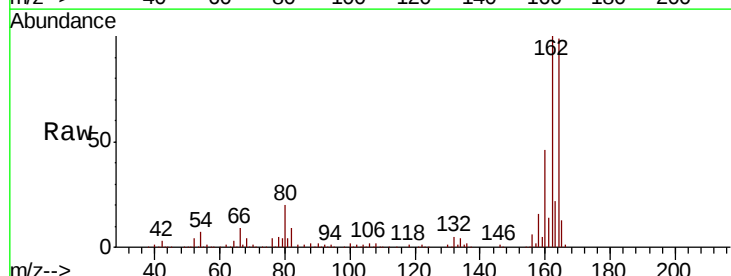


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

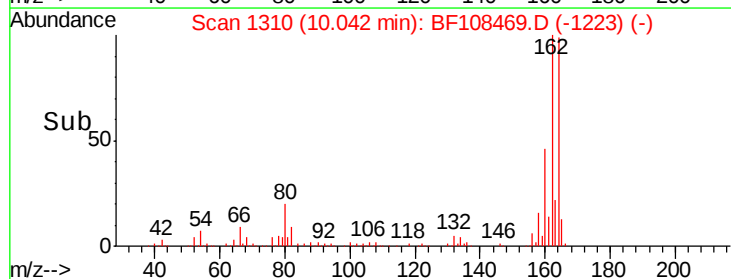
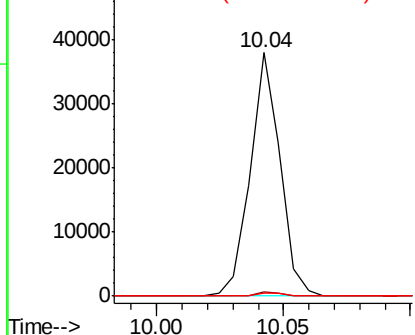


#50
2,6-Dinitrotoluene
Concen: 8.649 ng
RT: 10.04 min Scan# 1310
Delta R.T. 0.21 min
Lab File: BF108469.D
Acq: 24 Aug 2018 17:59

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.7	67.1#
89	1.5	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

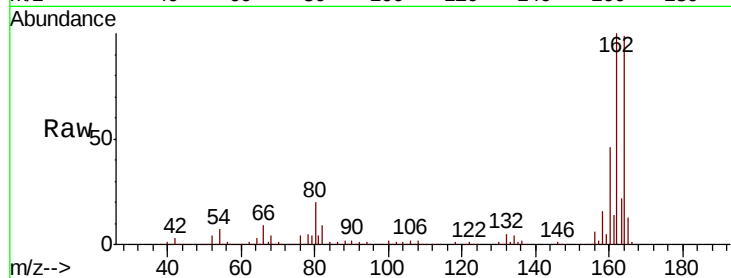




#56
 2,4-Dinitrotoluene
 Concen: 6.719 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.19 min
 Lab File: BF108469.D
 Acq: 24 Aug 2018 17:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#



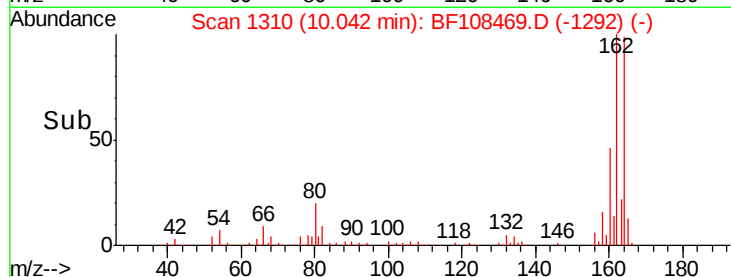
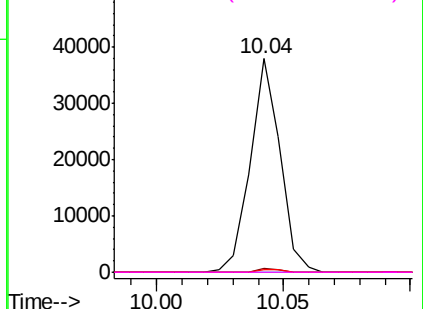
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

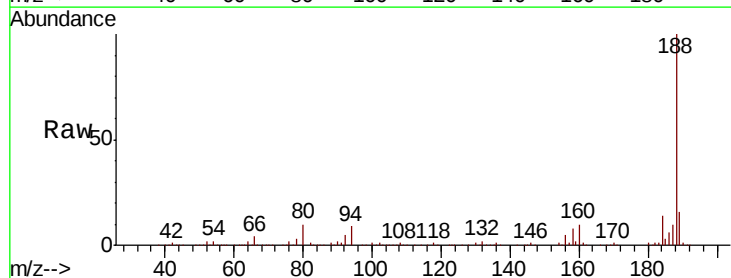
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF108469.D
 Acq: 24 Aug 2018 17:59

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.5	12.7
80	10.2	9.2	13.8

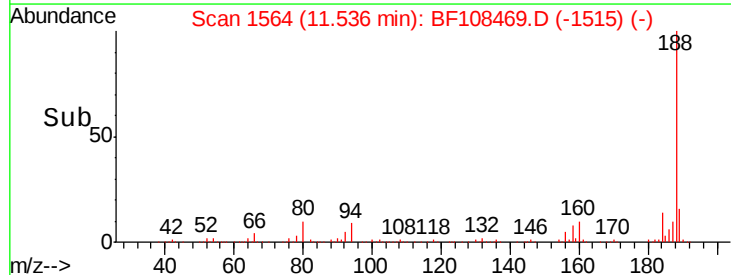
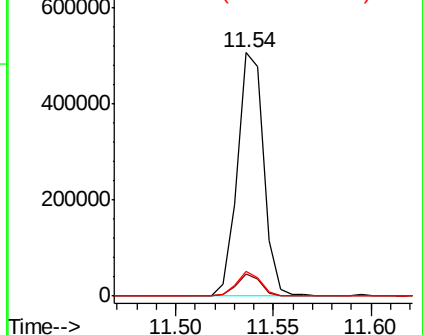


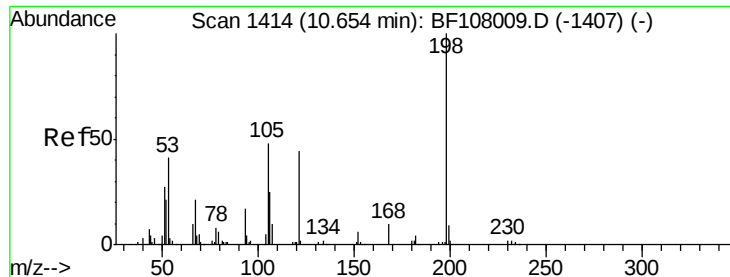
Abundance

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: 5.704 ng

RT: 10.84 min Scan# 1445

Delta R.T. 0.19 min

Lab File: BF108469.D

Acq: 24 Aug 2018 17:59

Instrument :

BNA_F

ClientSampled :

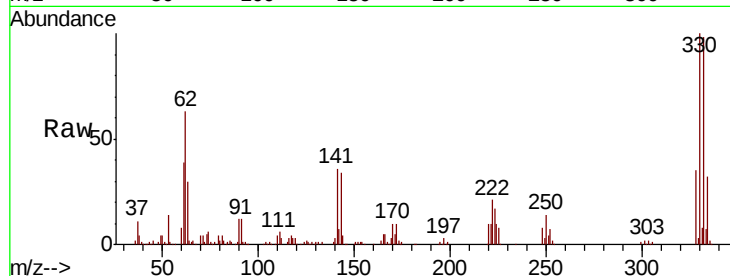
Tot Ion:198 Resp: 690

Ion Ratio Lower Upper

198 100

51 215.5 37.7 77.7#

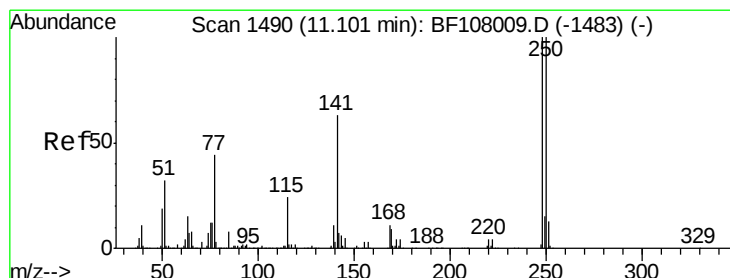
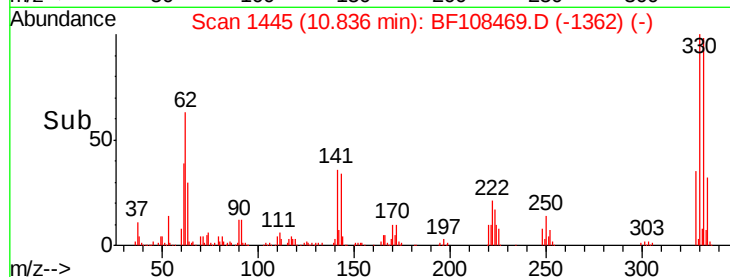
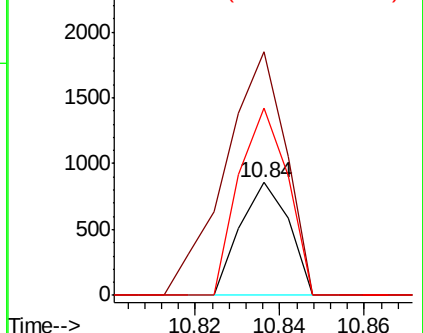
105 165.7 36.3 76.3#



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: 4.011 ng

RT: 10.84 min Scan# 1445

Delta R.T. -0.25 min

Lab File: BF108469.D

Acq: 24 Aug 2018 17:59

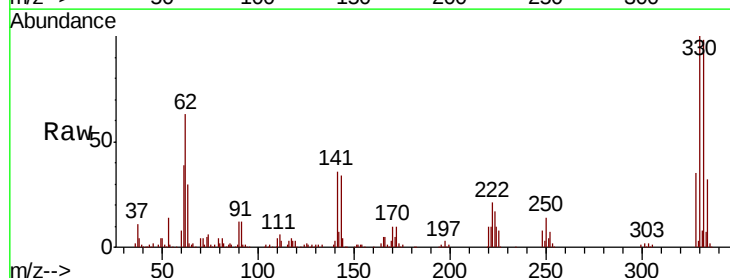
Tgt Ion:248 Resp: 20630

Ion Ratio Lower Upper

248 100

250 192.7 76.9 115.3#

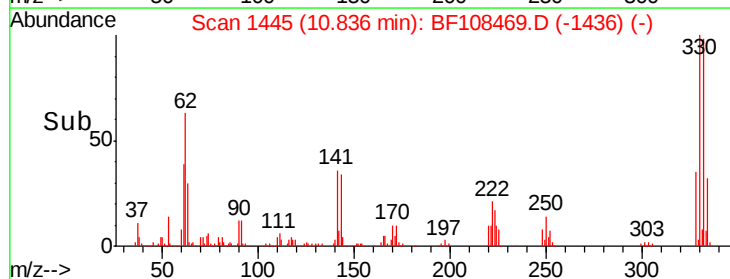
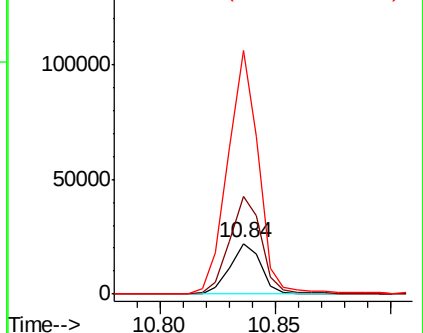
141 479.7 74.4 111.6#

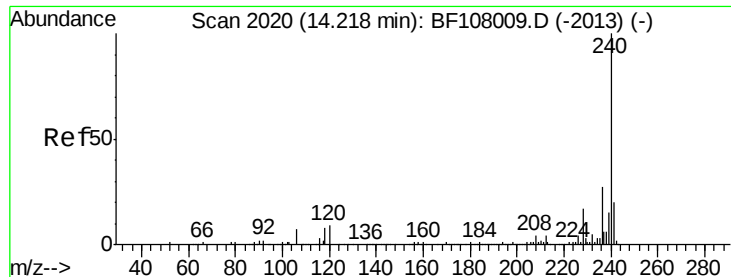


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF108469.D

Acq: 24 Aug 2018 17:59

Instrument :

BNA_F

ClientSampleId :

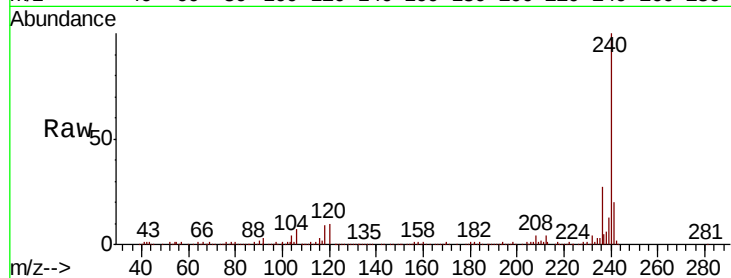
Tot Ion:240 Resp: 275153

Ion Ratio Lower Upper

240 100

120 9.5 9.5 14.3#

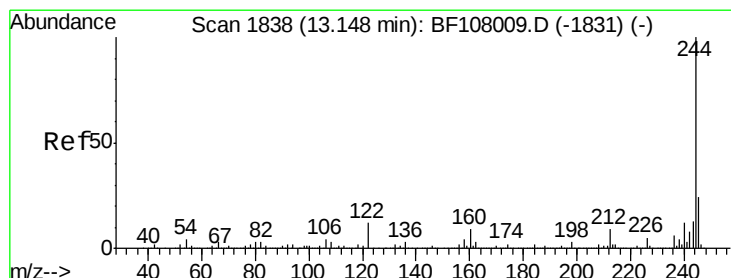
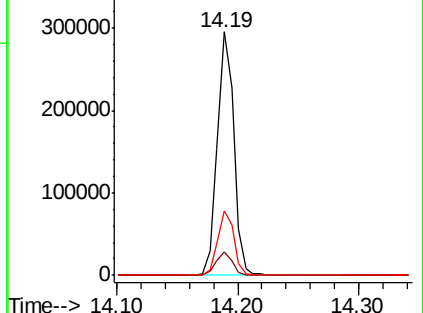
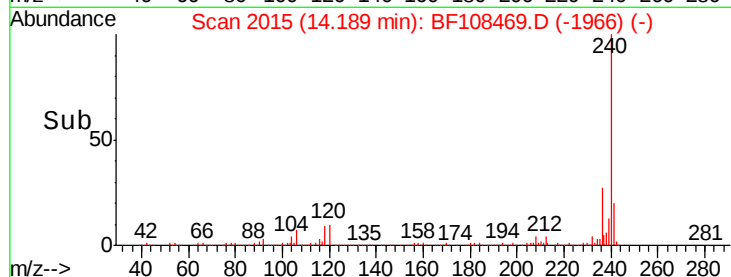
236 26.7 20.7 31.1



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: 112.797 ng

RT: 13.12 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BF108469.D

Acq: 24 Aug 2018 17:59

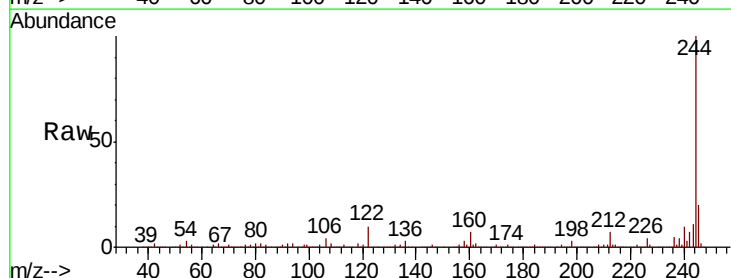
Tgt Ion:244 Resp: 1220675

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

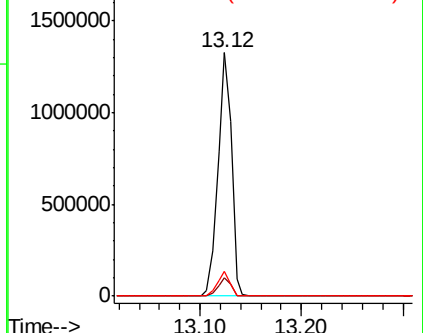
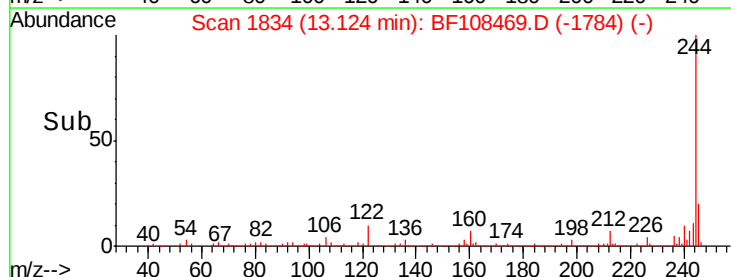
122 10.2 11.0 16.4#

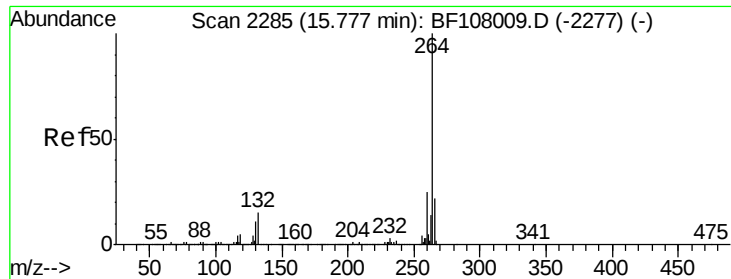


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.74 min Scan# 2279
Delta R.T. -0.02 min
Lab File: BF108469.D
Acq: 24 Aug 2018 17:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.8	17.5	26.3

