

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082418\
 Data File : BF108463.D
 Acq On : 24 Aug 2018 15:08
 Operator : JU/SJ
 Sample : PB112334BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 24 15:46:05 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

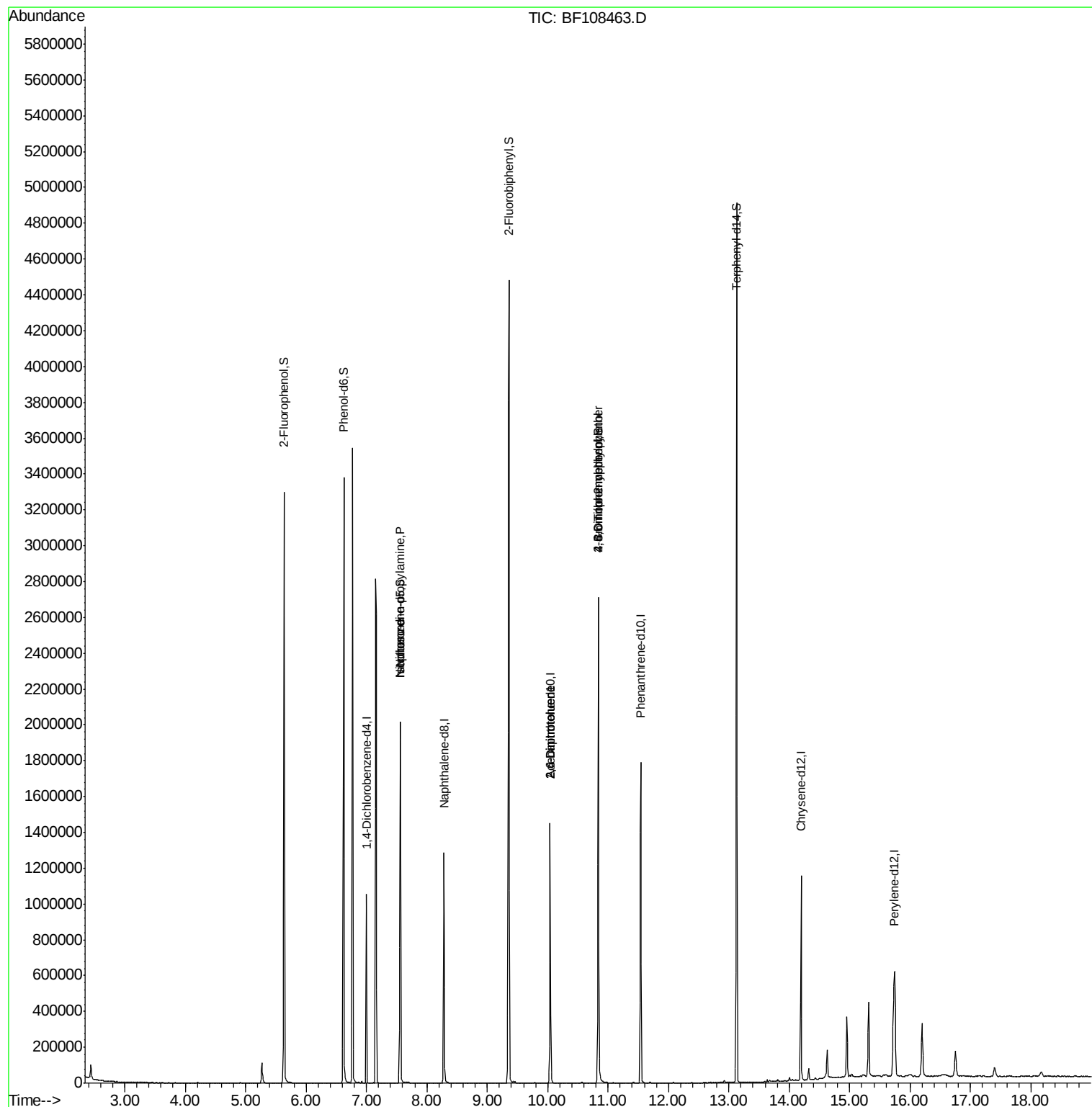
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	157607	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	601733	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	318602	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	652881	20.00	ng	0.00
75) Chrysene-d12	14.19	240	418529	20.00	ng	0.00
86) Perylene-d12	15.75	264	283467	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	881447	101.25	ng	0.00
7) Phenol-d6	6.62	99	1184064	102.35	ng	0.00
23) Nitrobenzene-d5	7.56	82	804762	74.63	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	365622	115.05	ng	0.00
44) 2-Fluorobiphenyl	9.36	172	1557601	78.49	ng	0.00
78) Terphenyl-d14	13.13	244	1727381	104.94	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.56	70	108187	13.830	ng	# 84
25) Isophorone	7.56	82	801249	38.983	ng	# 64
50) 2,6-Dinitrotoluene	10.04	165	41359	8.907	ng	# 25
56) 2,4-Dinitrotoluene	10.04	165	41359	6.920	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.84	198	724	5.621	ng	# 1
66) 4-Bromophenyl-phenylether	10.84	248	24832	3.500	ng	# 1

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

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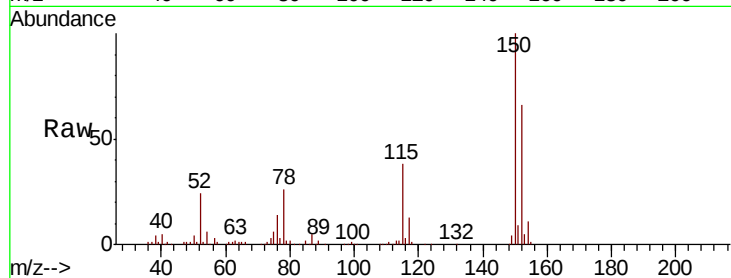


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108463.D
Acq: 24 Aug 2018 15:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.9	124.6	186.8
115	57.2	50.1	75.1

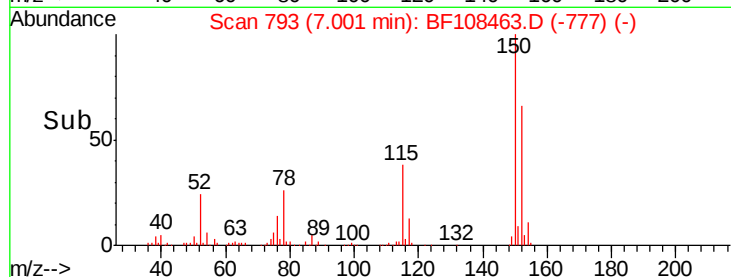
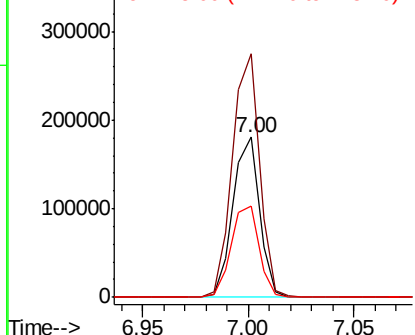


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

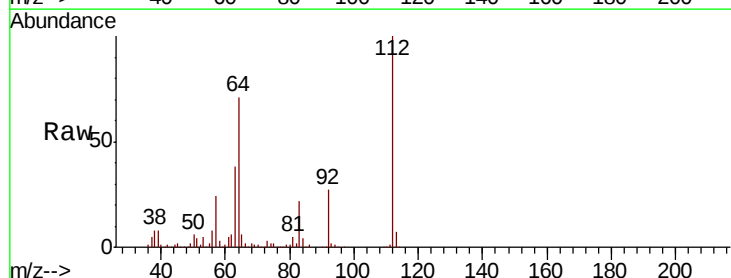
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 101.253 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108463.D
Acq: 24 Aug 2018 15:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.1	47.9	71.9
63	37.5	23.7	35.5

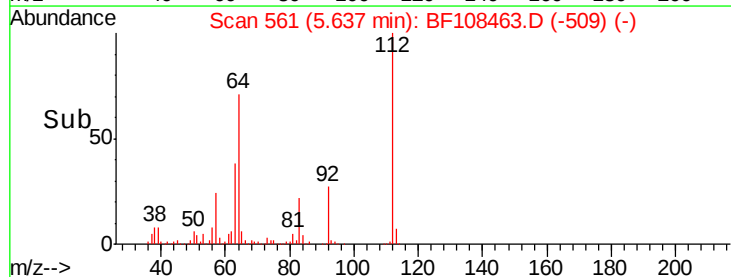
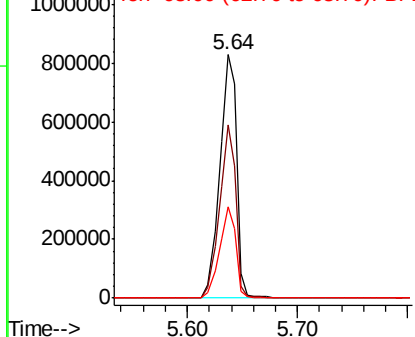


Abundance

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: 102.354 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108463.D

Acq: 24 Aug 2018 15:08

Instrument :

BNA_G

ClientSampled :

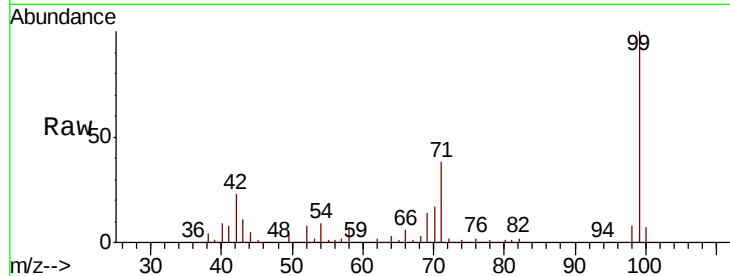
Tot Ion: 99 Resp: 1184064

Ion Ratio Lower Upper

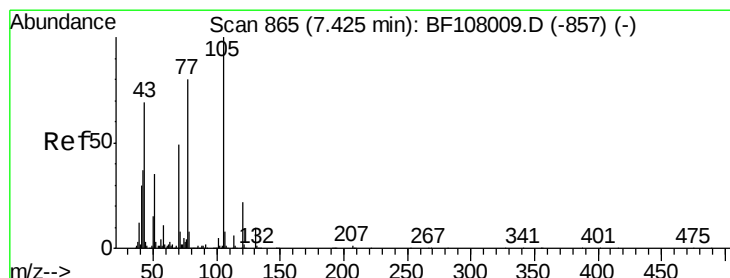
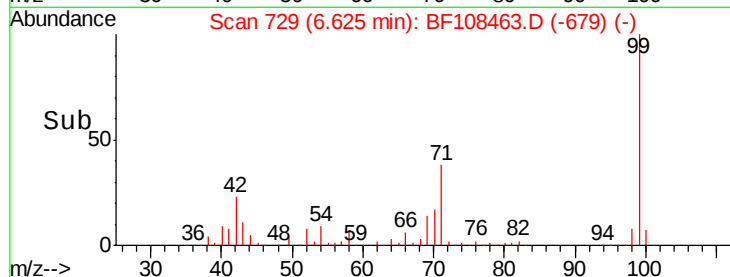
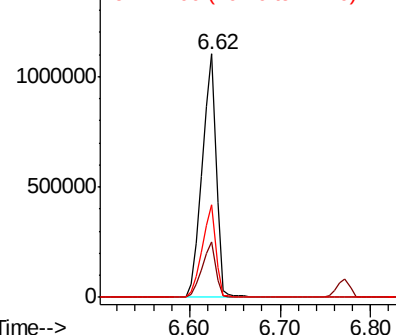
99 100

42 22.6 14.5 21.7#

71 37.8 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: 13.830 ng

RT: 7.56 min Scan# 888

Delta R.T. 0.15 min

Lab File: BF108463.D

Acq: 24 Aug 2018 15:08

Tgt Ion: 70 Resp: 108187

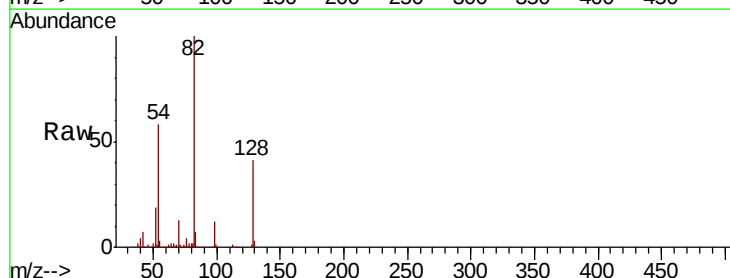
Ion Ratio Lower Upper

70 100

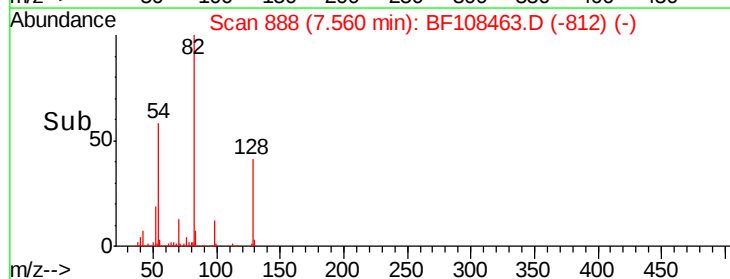
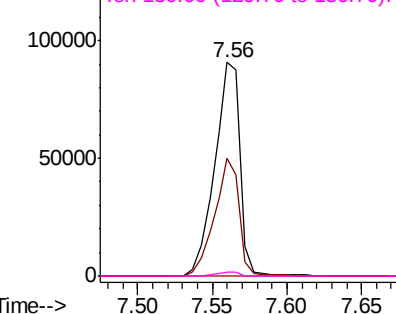
42 54.9 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 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: BF108463.D

Acq: 24 Aug 2018 15:08

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 601733

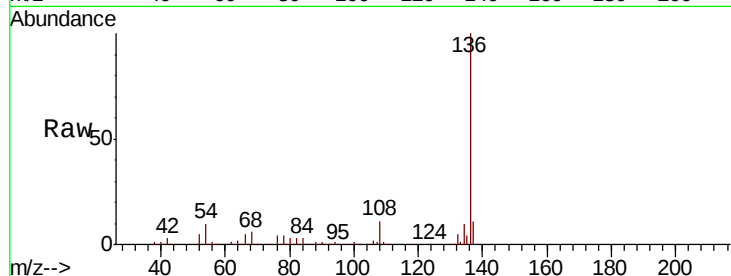
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 9.6 6.6 9.8

68 5.9 5.0 7.4

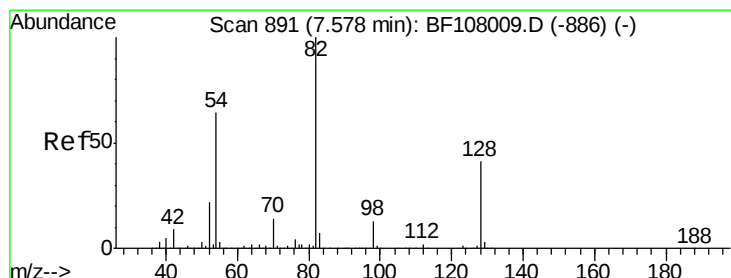
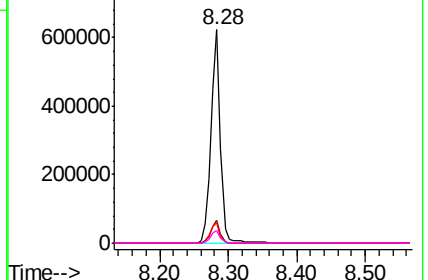
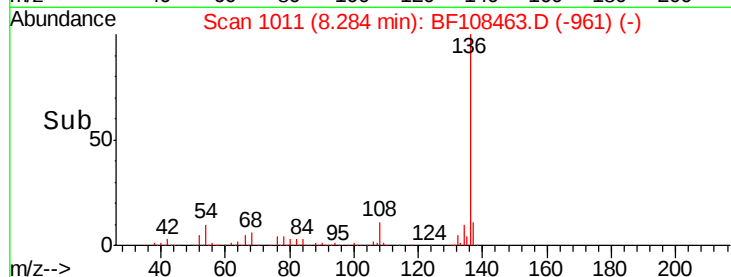


Abundance Ion 136.00 (135.70 to 136.70): E

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: 74.629 ng

RT: 7.56 min Scan# 888

Delta R.T. -0.01 min

Lab File: BF108463.D

Acq: 24 Aug 2018 15:08

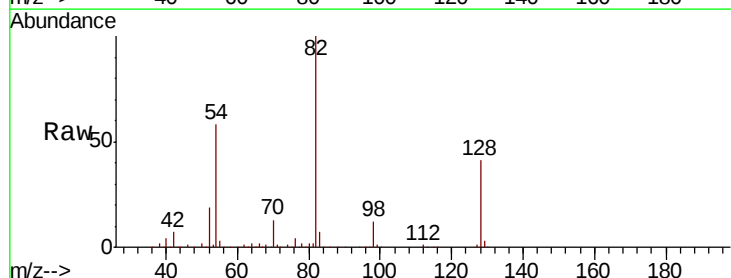
Tgt Ion: 82 Resp: 804762

Ion Ratio Lower Upper

82 100

128 41.0 36.1 54.1

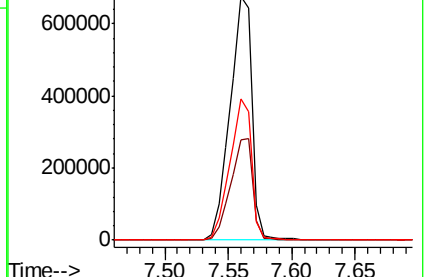
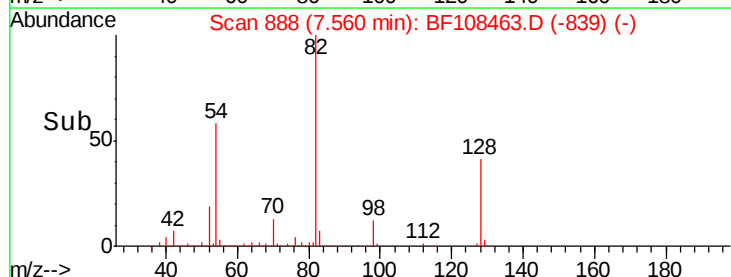
54 58.1 41.4 62.2



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: 38.983 ng

RT: 7.56 min Scan# 888

Delta R.T. -0.26 min

Lab File: BF108463.D

Acq: 24 Aug 2018 15:08

Instrument :

BNA_G

ClientSampled :

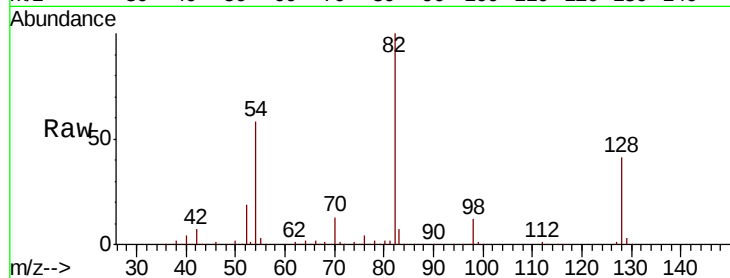
Tot Ion: 82 Resp: 801249

Ion Ratio Lower Upper

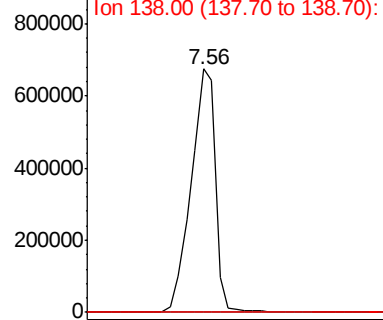
82 100

95 0.0 5.2 7.8#

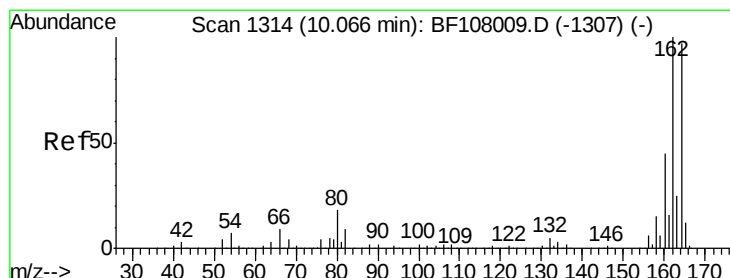
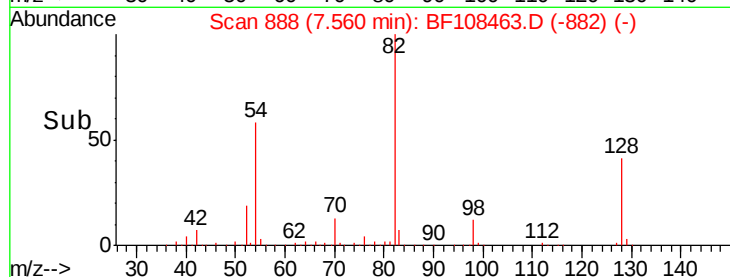
138 0.0 14.9 22.3#



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): E



Time-->



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.04 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF108463.D

Acq: 24 Aug 2018 15:08

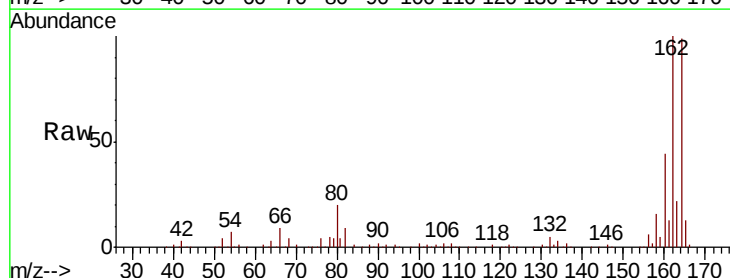
Tgt Ion:164 Resp: 318602

Ion Ratio Lower Upper

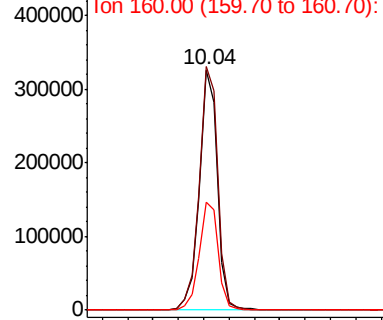
164 100

162 101.5 86.1 129.1

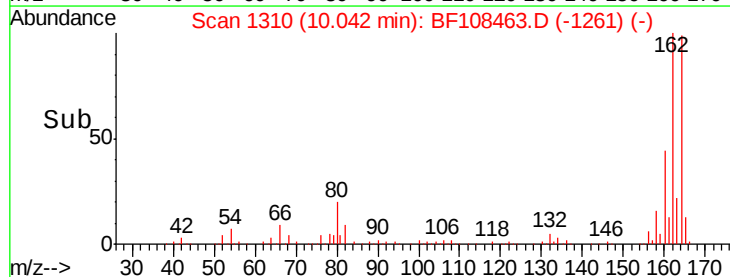
160 44.9 38.3 57.5



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



Time-->

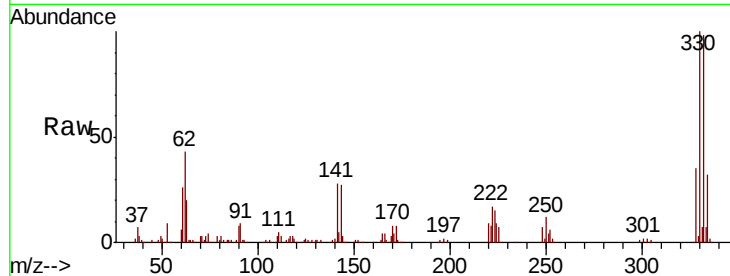




#41
 2,4,6-Tribromophenol
 Concen: 115.049 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF108463.D
 Acq: 24 Aug 2018 15:08

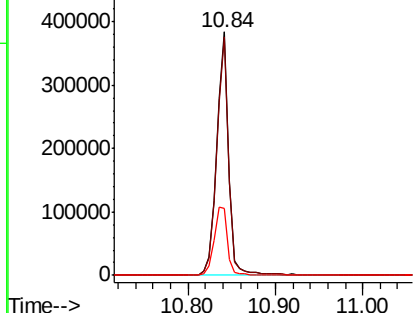
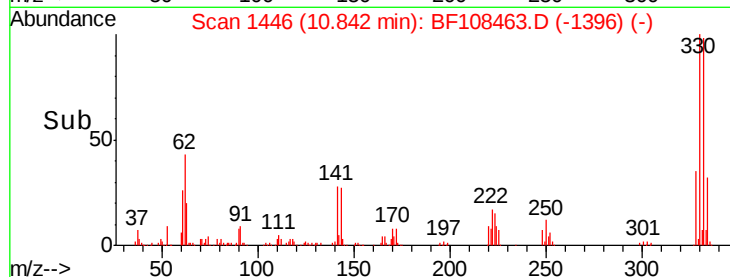
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.0	115.6
141	32.0	29.9	44.9



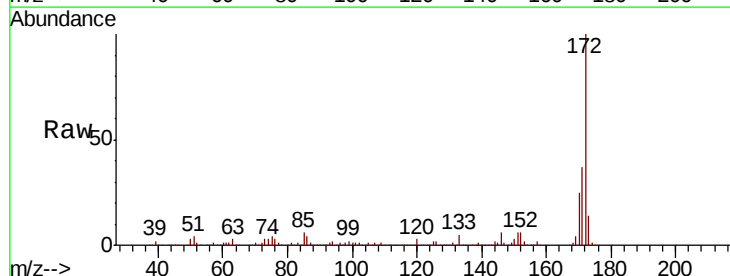
Abundance

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



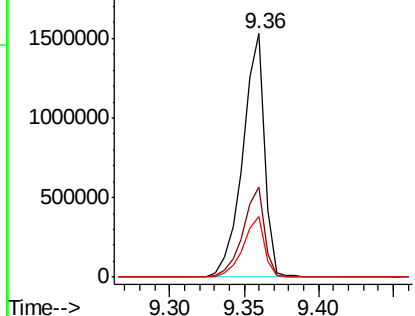
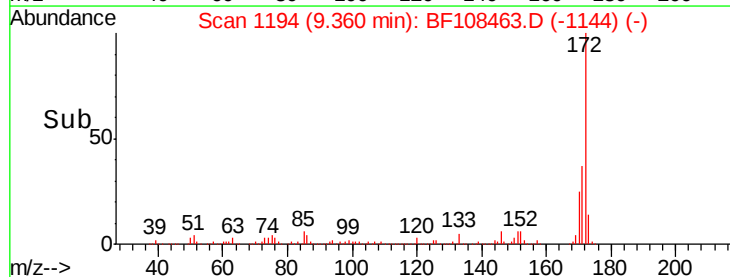
#44
 2-Fluorobiphenyl
 Concen: 78.489 ng
 RT: 9.36 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF108463.D
 Acq: 24 Aug 2018 15:08

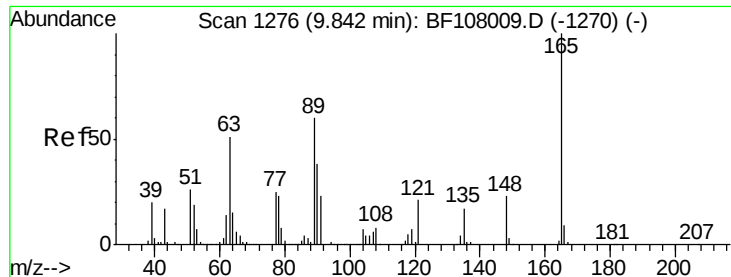
Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.7	44.5
170	25.1	19.6	29.4



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

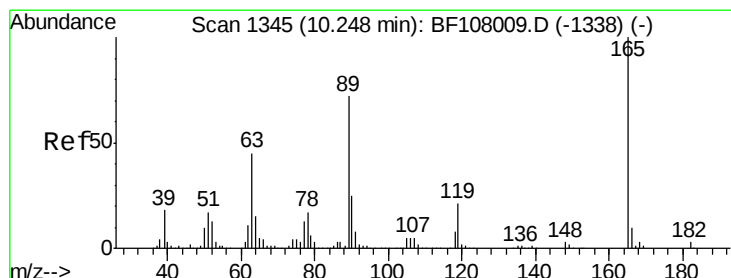
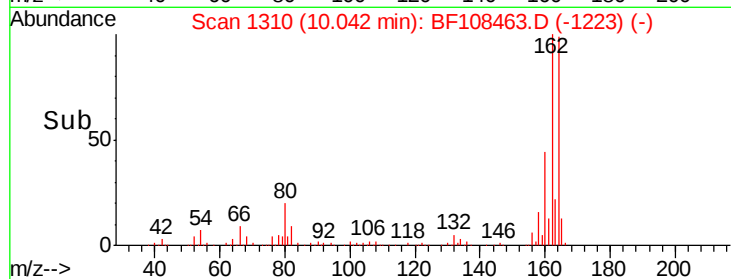
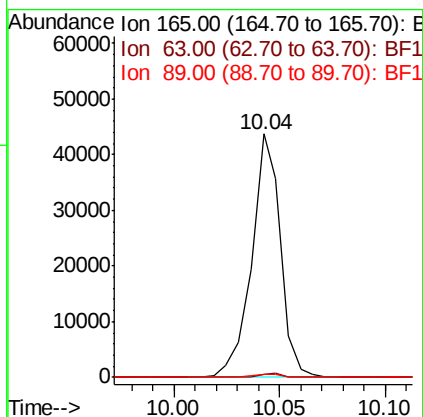
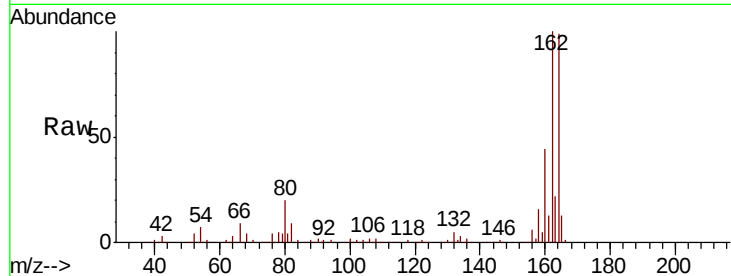




#50
 2,6-Dinitrotoluene
 Concen: 8.907 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. 0.21 min
 Lab File: BF108463.D
 Acq: 24 Aug 2018 15:08

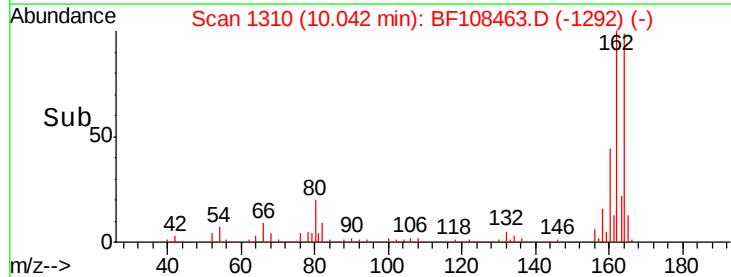
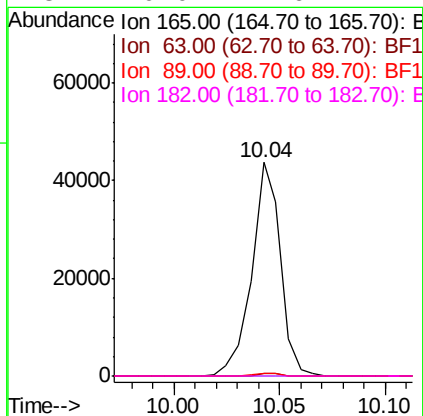
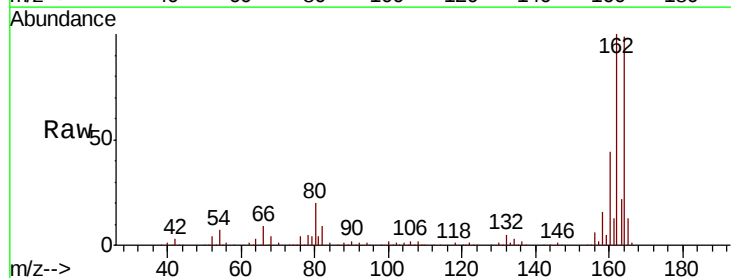
Instrument :
 BNA_G
 ClientSampleId :

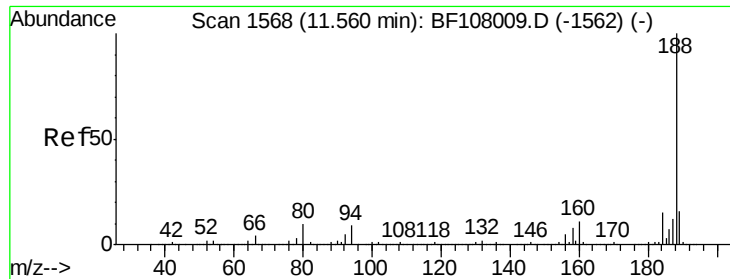
Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		41359		
63	1.3		44.7	67.1#	
89	1.1		44.0	66.0#	



#56
 2,4-Dinitrotoluene
 Concen: 6.920 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.19 min
 Lab File: BF108463.D
 Acq: 24 Aug 2018 15:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
165	100		41359		
63	1.3		36.4	54.6#	
89	1.1		57.8	86.6#	
182	0.0		1.6	2.4#	

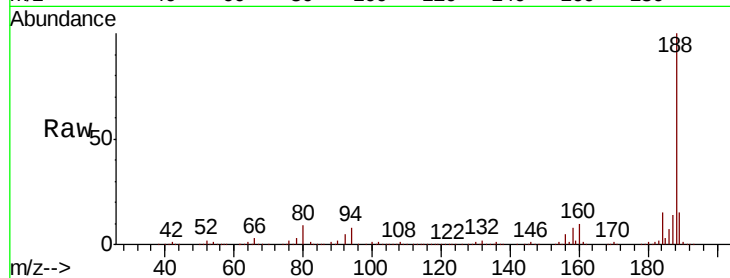




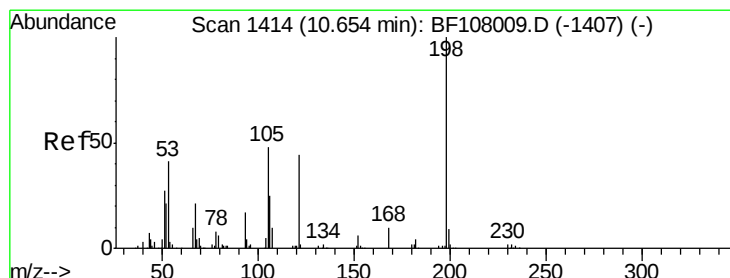
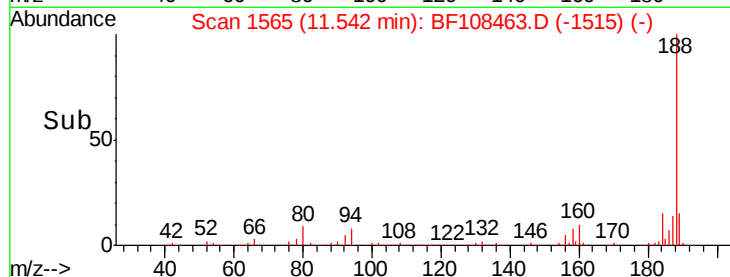
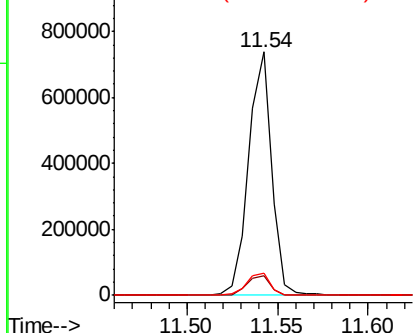
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF108463.D
 Acq: 24 Aug 2018 15:08

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:188 Resp: 652881
 Ion Ratio Lower Upper
 188 100
 94 8.1 8.5 12.7#
 80 9.1 9.2 13.8#

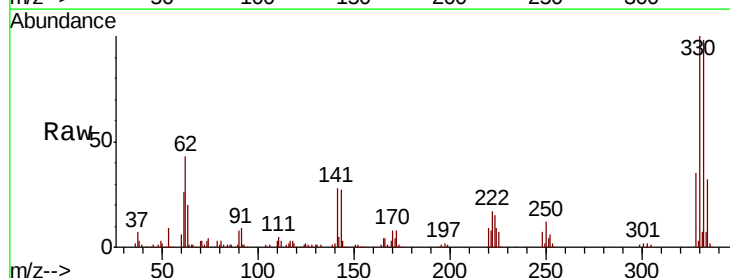


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

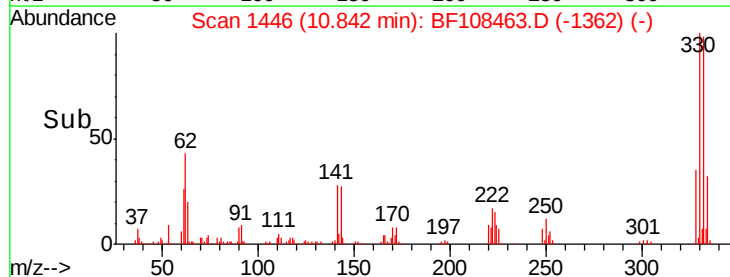
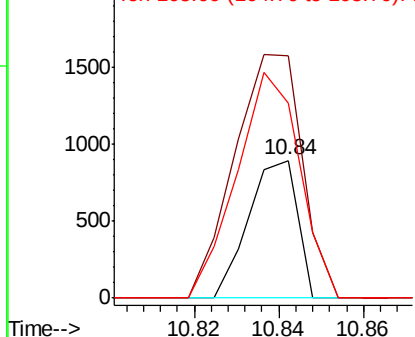


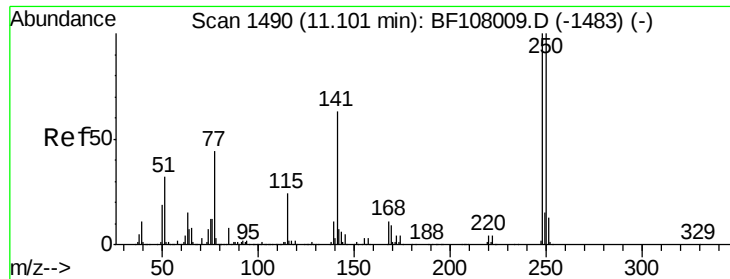
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.621 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. 0.19 min
 Lab File: BF108463.D
 Acq: 24 Aug 2018 15:08

Tgt Ion:198 Resp: 724
 Ion Ratio Lower Upper
 198 100
 51 175.9 37.7 77.7#
 105 141.5 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

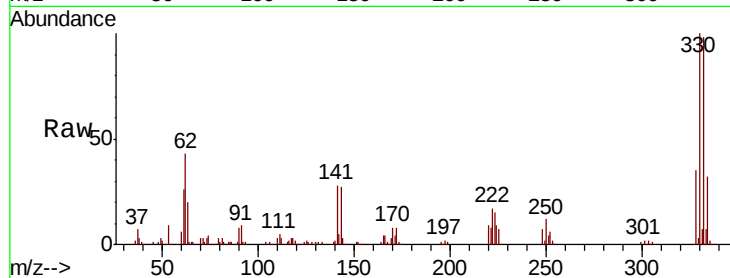




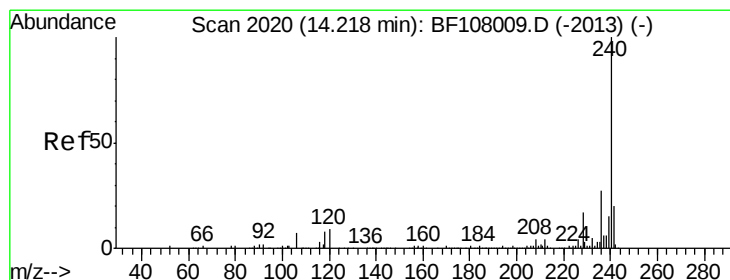
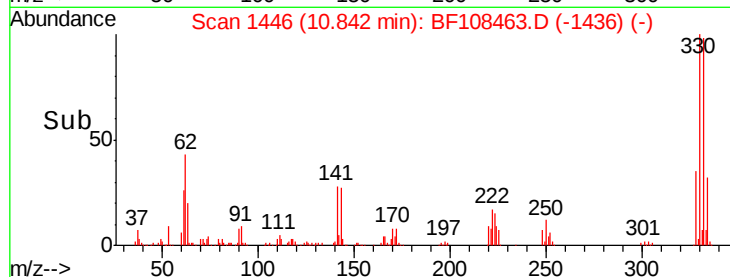
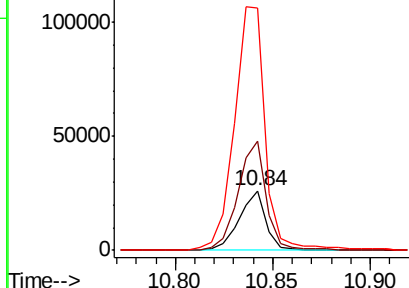
#66
4-Bromophenyl-phenylether
Concen: 3.500 ng
RT: 10.84 min Scan# 1446
Delta R.T. -0.24 min
Lab File: BF108463.D
Acq: 24 Aug 2018 15:08

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 24832
Ion Ratio Lower Upper
248 100
250 183.2 76.9 115.3#
141 407.4 74.4 111.6#

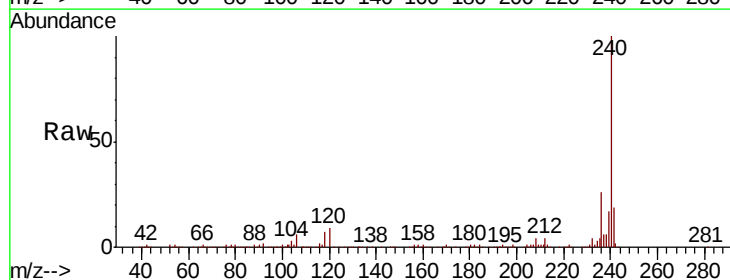


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

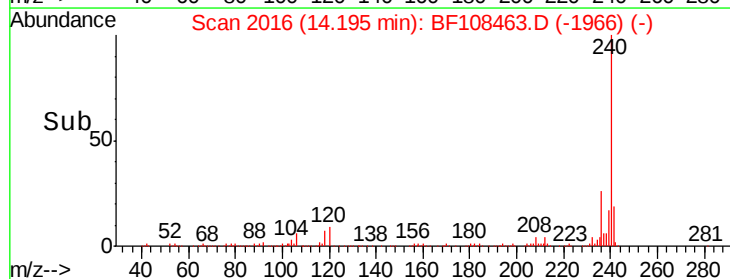
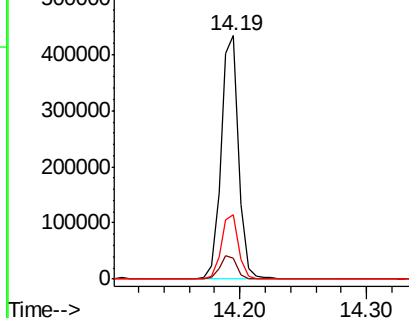


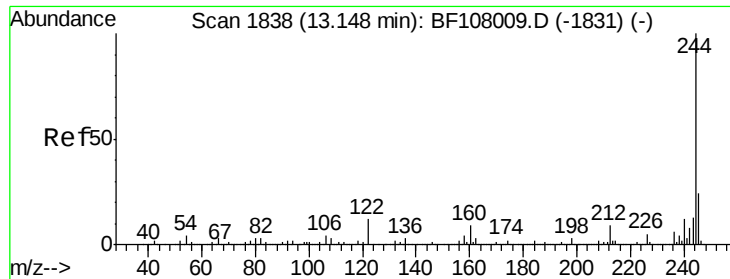
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.19 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF108463.D
Acq: 24 Aug 2018 15:08

Tgt Ion:240 Resp: 418529
Ion Ratio Lower Upper
240 100
120 8.6 9.5 14.3#
236 26.5 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: 104.939 ng

RT: 13.13 min Scan# 1835

Delta R.T. -0.00 min

Lab File: BF108463.D

Acq: 24 Aug 2018 15:08

Instrument :

BNA_G

ClientSampleId :

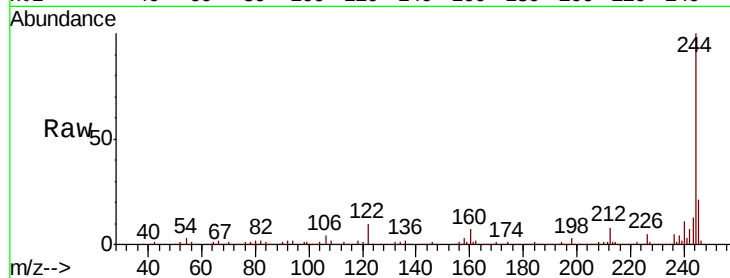
Tot Ion:244 Resp: 1727381

Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.0

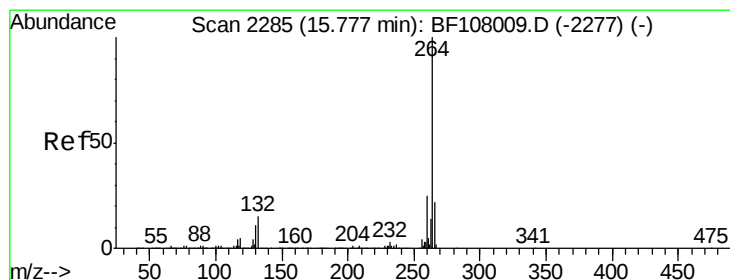
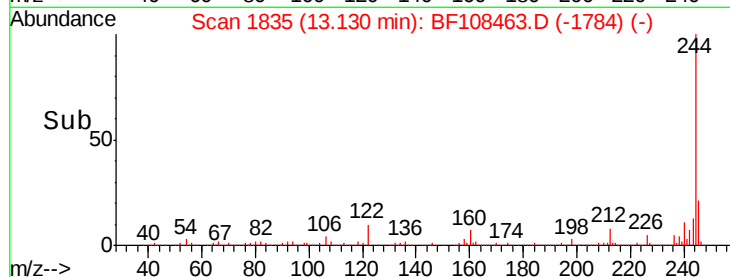
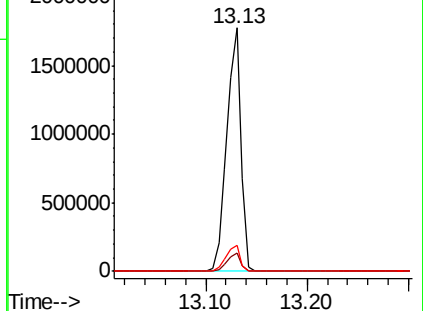
122 10.5 11.0 16.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 15.75 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF108463.D

Acq: 24 Aug 2018 15:08

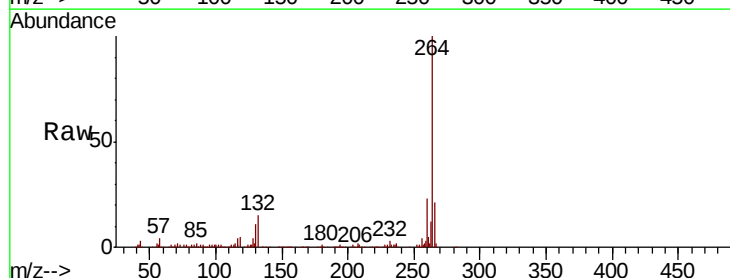
Tgt Ion:264 Resp: 283467

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

265 20.8 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

