

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082918\
 Data File : BF108598.D
 Acq On : 29 Aug 2018 12:18
 Operator : JU/SJ
 Sample : PB112423BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 29 12:52:38 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

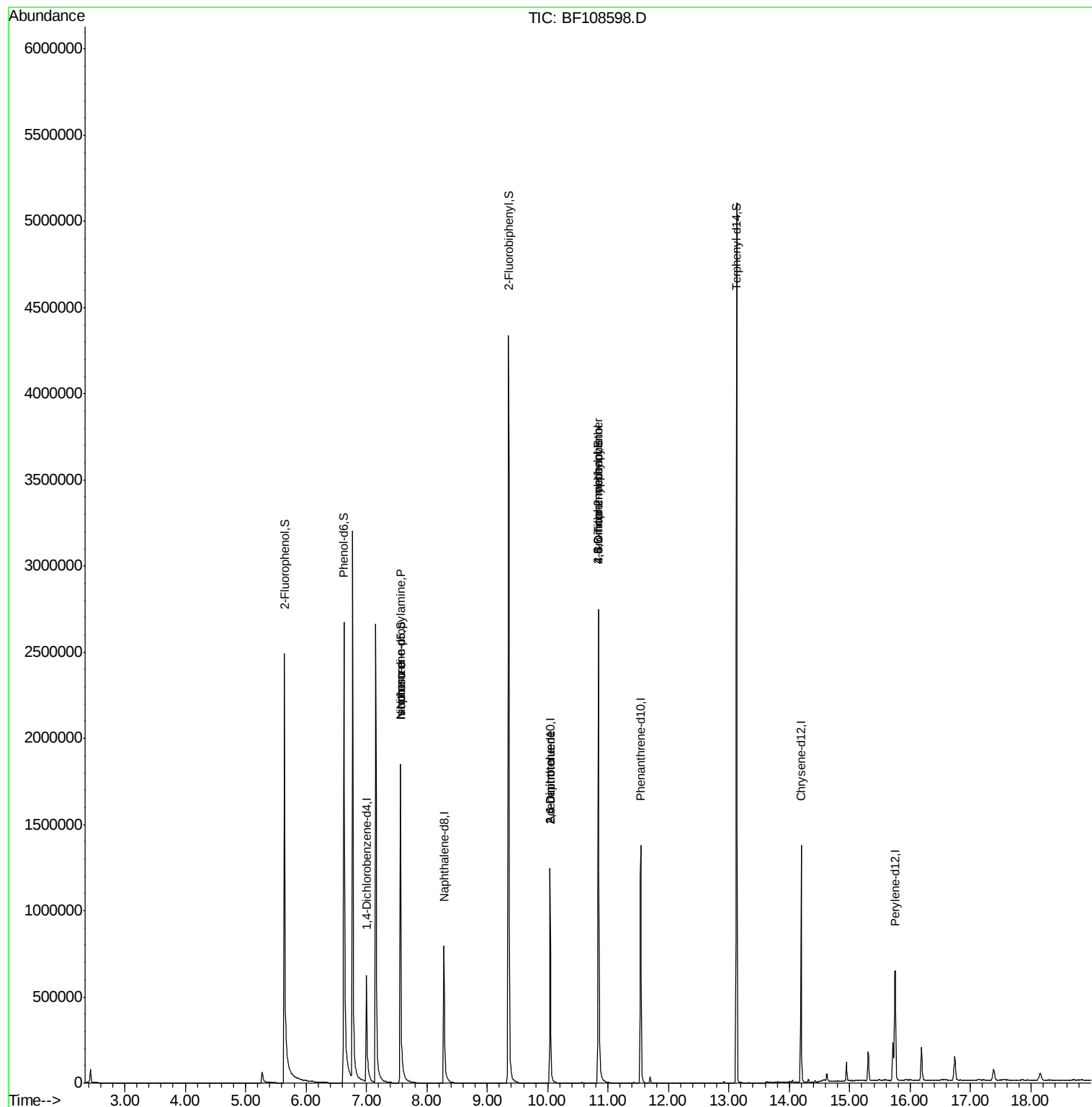
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	141702	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	551518	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	288096	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	602213	20.00	ng	0.00
75) Chrysene-d12	14.19	240	490427	20.00	ng	0.00
86) Perylene-d12	15.75	264	361089	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	929991	118.82	ng	0.01
7) Phenol-d6	6.63	99	1308878	125.84	ng	0.00
23) Nitrobenzene-d5	7.57	82	881054	89.14	ng	0.00
41) 2,4,6-Tribromophenol	10.84	330	417930	145.43	ng	0.00
44) 2-Fluorobiphenyl	9.35	172	1699181	94.69	ng	-0.01
78) Terphenyl-d14	13.13	244	1931284	100.13	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.57	70	114056	16.216	ng	# 83
25) Isophorone	7.57	82	881537	46.794	ng	# 64
50) 2,6-Dinitrotoluene	10.04	165	36048	8.586	ng	# 26
56) 2,4-Dinitrotoluene	10.04	165	36383	6.732	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.84	198	866	5.699	ng	# 1
66) 4-Bromophenyl-phenylether	10.84	248	27389	4.185	ng	# 1

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

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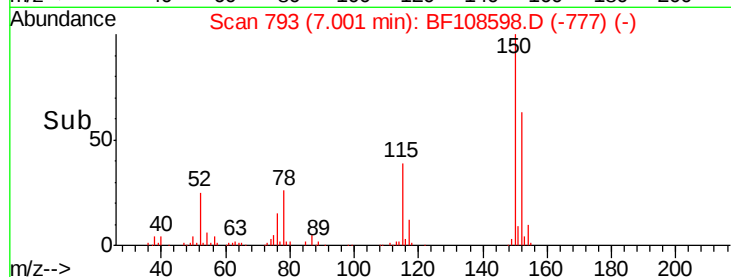
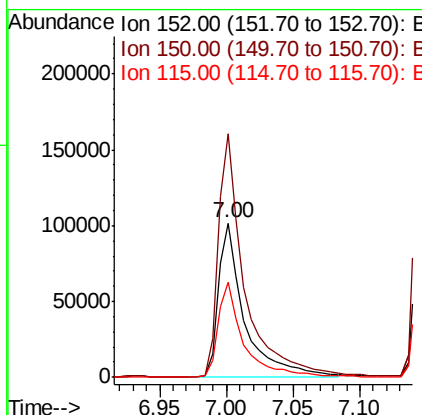
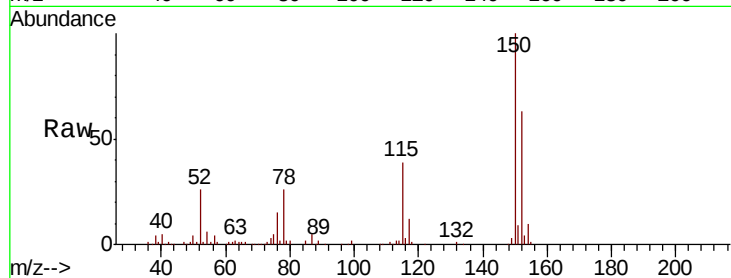


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108598.D
Acq: 29 Aug 2018 12:18

Instrument :
BNA_F
ClientSampleId :

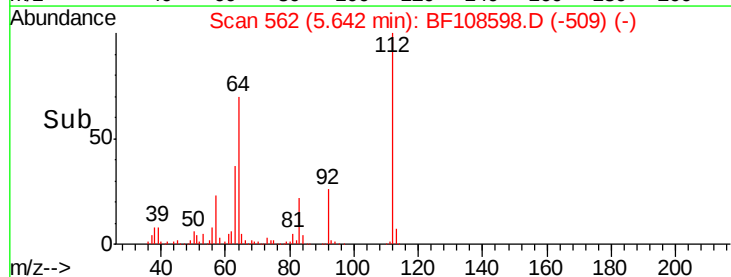
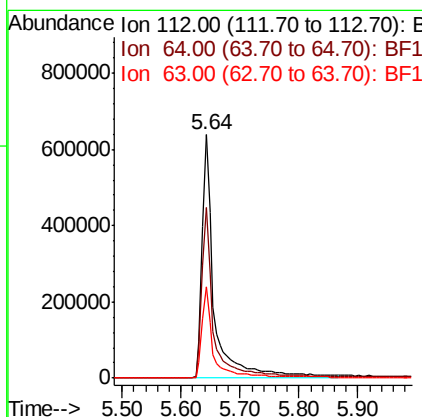
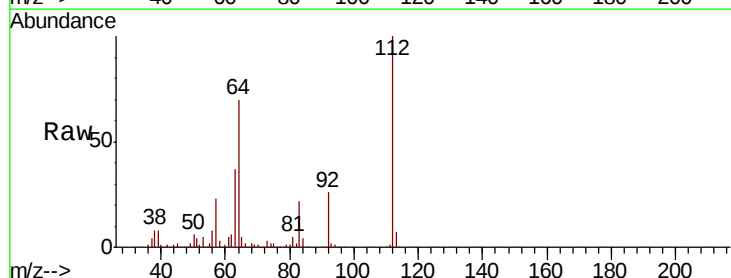
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	124.6	186.8
115	62.0	50.1	75.1

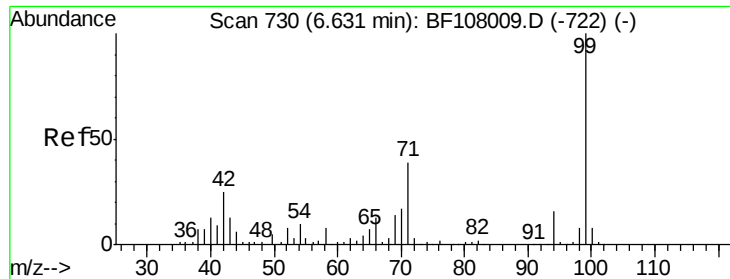


#5

2-Fluorophenol
Concen: 118.820 ng
RT: 5.64 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF108598.D
Acq: 29 Aug 2018 12:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.0	47.9	71.9
63	37.4	23.7	35.5





#7

Phenol-d6

Concen: 125.843 ng

RT: 6.63 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF108598.D

Acq: 29 Aug 2018 12:18

Instrument :

BNA_F

ClientSampled :

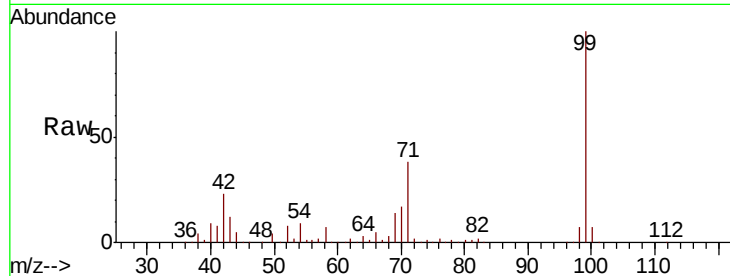
Tot Ion: 99 Resp: 1308878

Ion Ratio Lower Upper

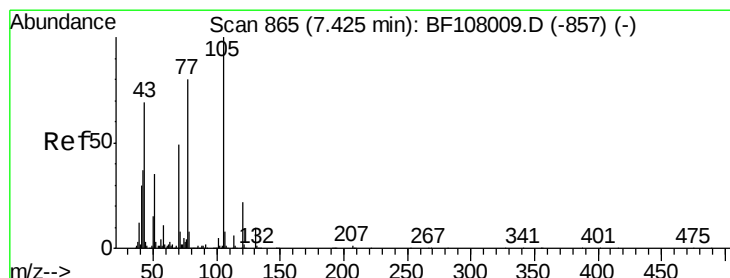
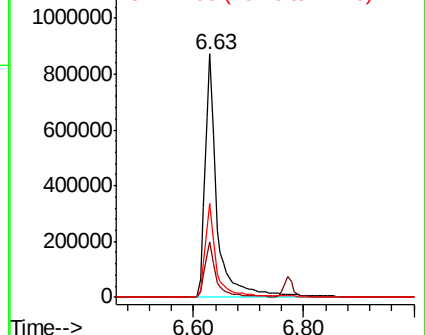
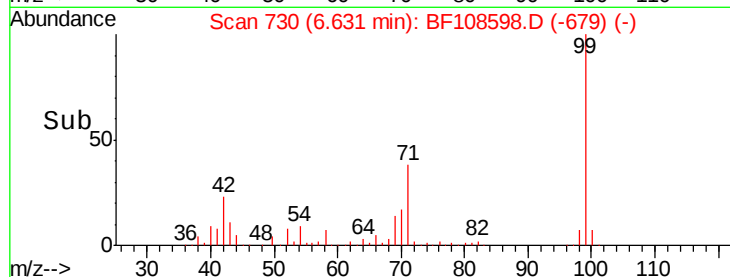
99 100

42 22.7 14.5 21.7#

71 38.4 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: 16.216 ng

RT: 7.57 min Scan# 889

Delta R.T. 0.15 min

Lab File: BF108598.D

Acq: 29 Aug 2018 12:18

Tgt Ion: 70 Resp: 114056

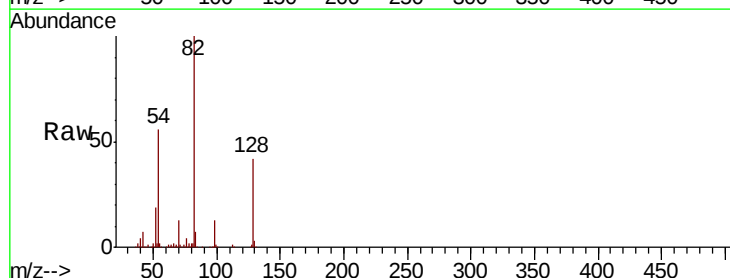
Ion Ratio Lower Upper

70 100

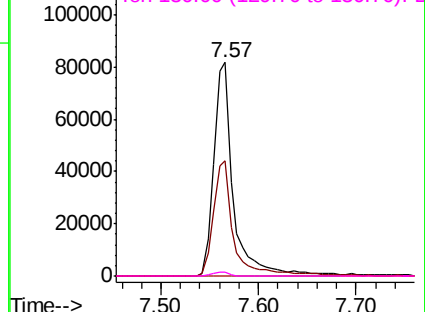
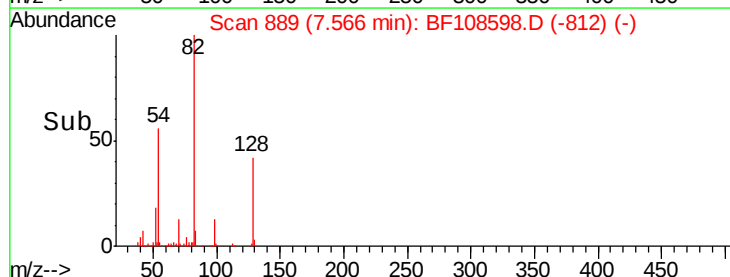
42 53.8 47.5 71.3

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: BF108598.D

Acq: 29 Aug 2018 12:18

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 551518

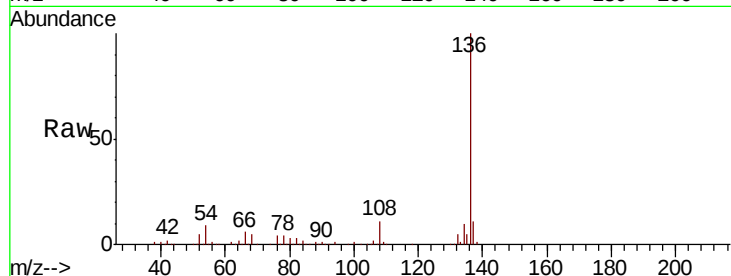
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 9.0 6.6 9.8

68 5.4 5.0 7.4

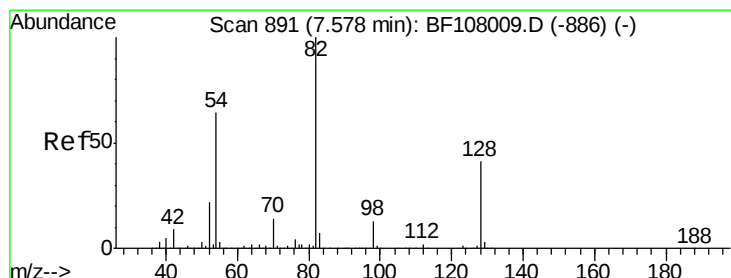
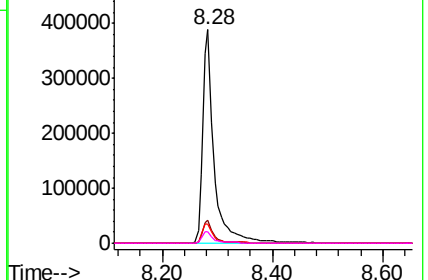
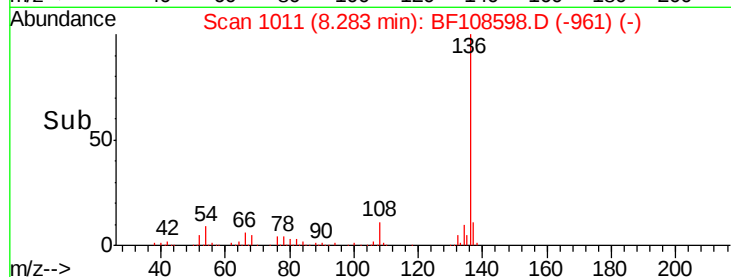


Abundance Ion 136.00 (135.70 to 136.70): E

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: 89.143 ng

RT: 7.57 min Scan# 889

Delta R.T. -0.01 min

Lab File: BF108598.D

Acq: 29 Aug 2018 12:18

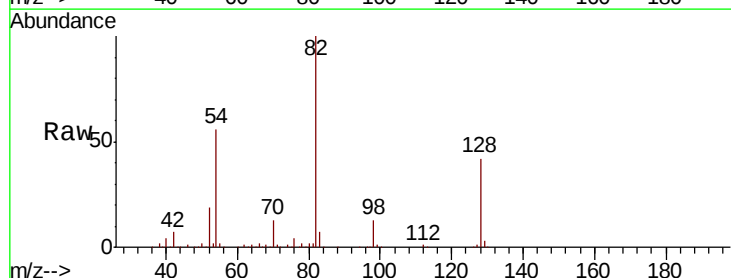
Tgt Ion: 82 Resp: 881054

Ion Ratio Lower Upper

82 100

128 42.4 36.1 54.1

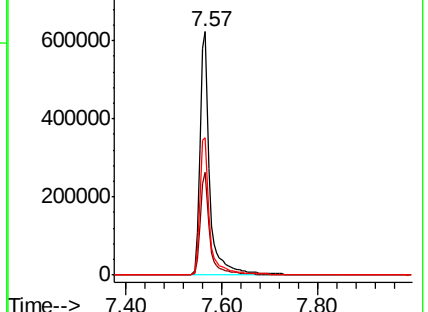
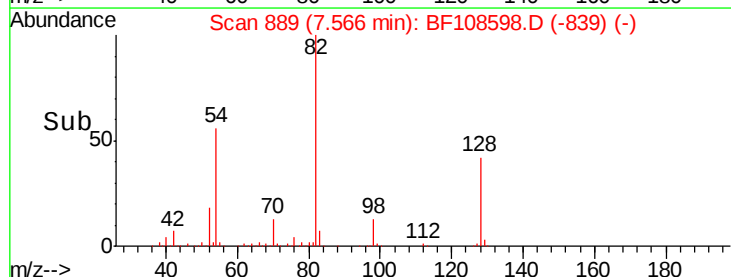
54 56.3 41.4 62.2



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: 46.794 ng

RT: 7.57 min Scan# 889

Delta R.T. -0.26 min

Lab File: BF108598.D

Acq: 29 Aug 2018 12:18

Instrument :

BNA_F

ClientSampleId :

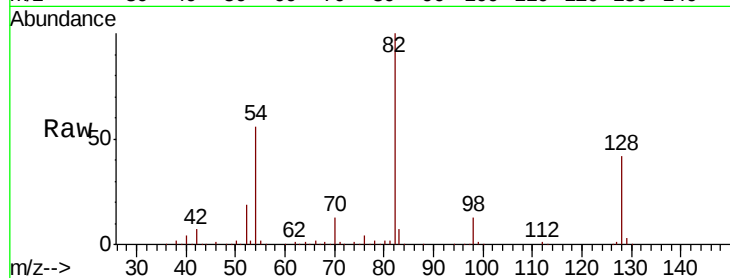
Tot Ion: 82 Resp: 881537

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

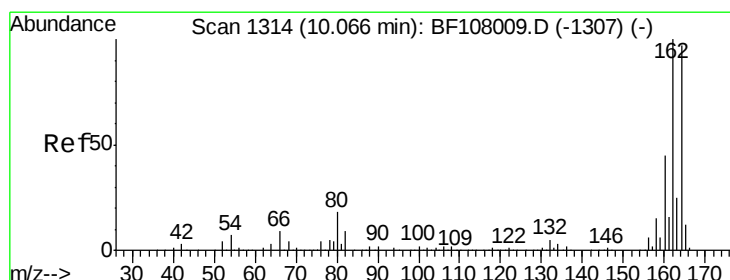
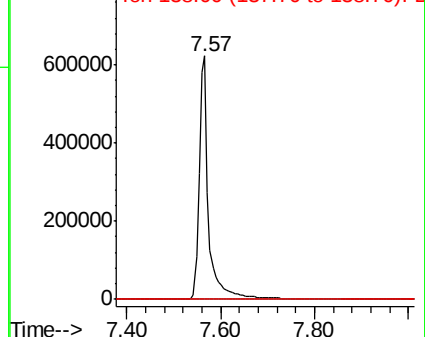
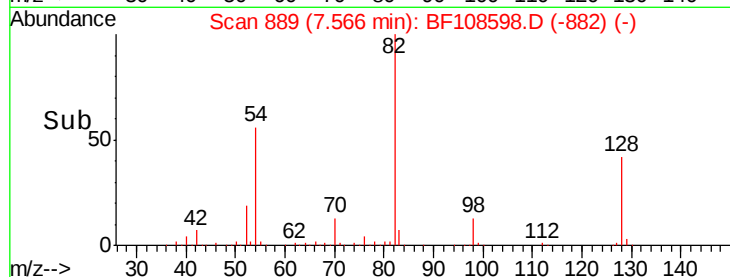
138 0.0 14.9 22.3#



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: BF108598.D

Acq: 29 Aug 2018 12:18

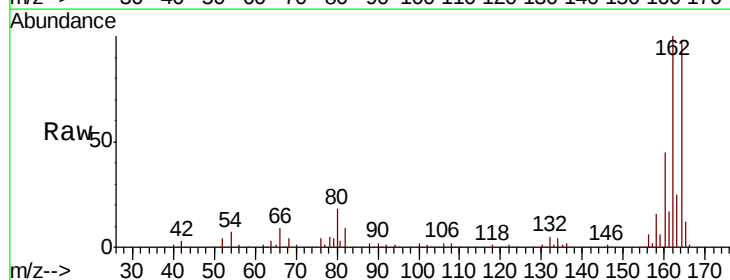
Tgt Ion:164 Resp: 288096

Ion Ratio Lower Upper

164 100

162 102.4 86.1 129.1

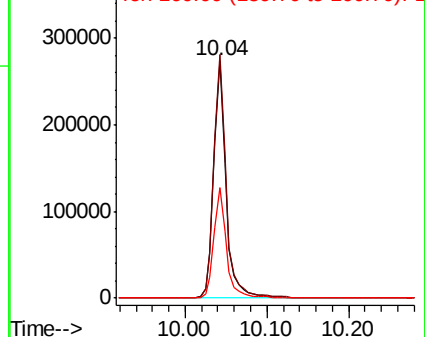
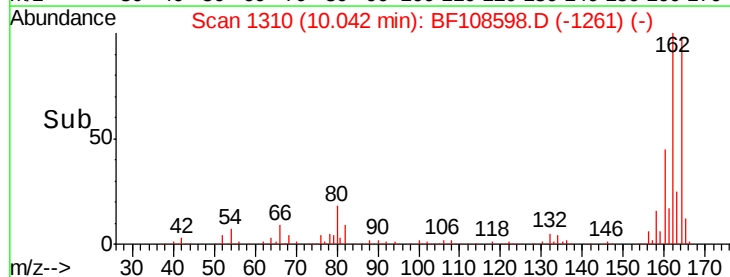
160 46.4 38.3 57.5

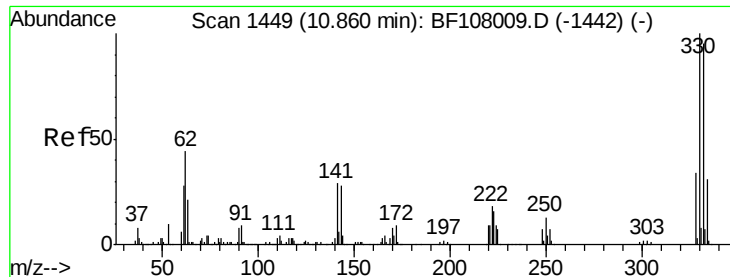


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

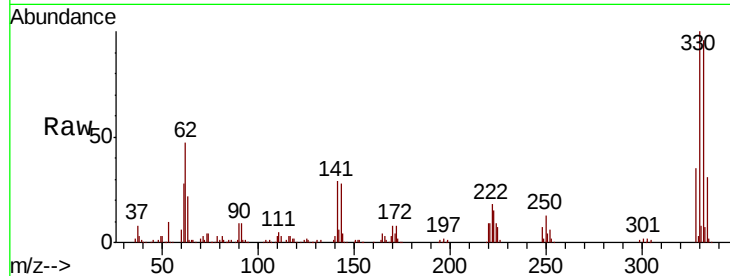




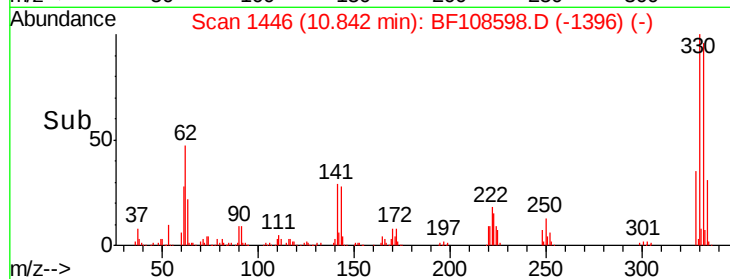
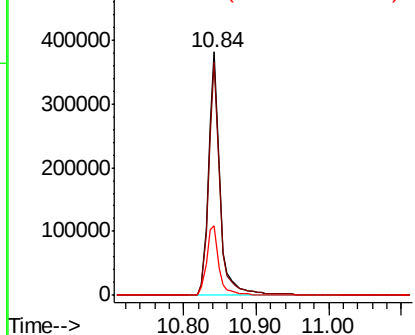
#41
 2,4,6-Tribromophenol
 Concen: 145.434 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF108598.D
 Acq: 29 Aug 2018 12:18

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 417930
 Ion Ratio Lower Upper
 330 100
 332 95.1 77.0 115.6
 141 31.7 29.9 44.9

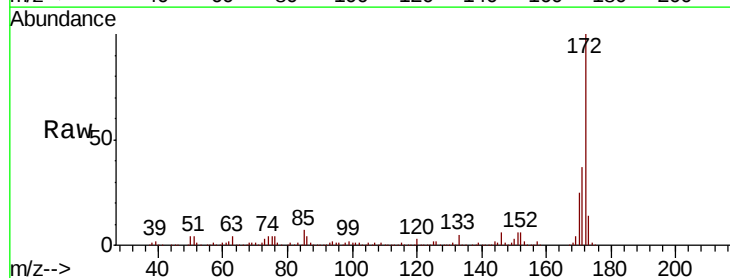


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

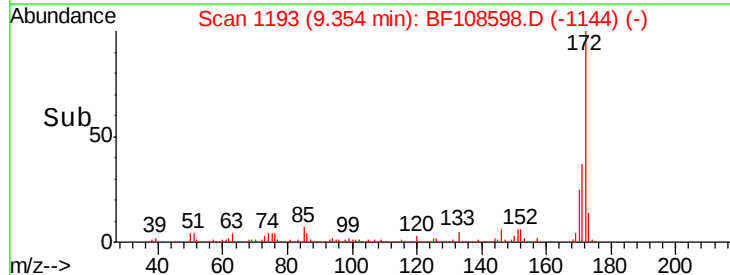
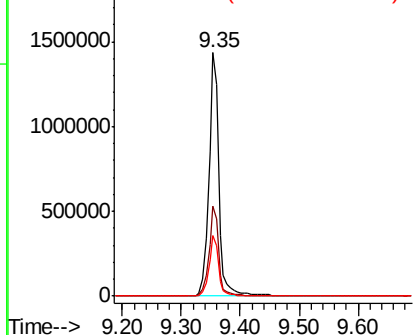


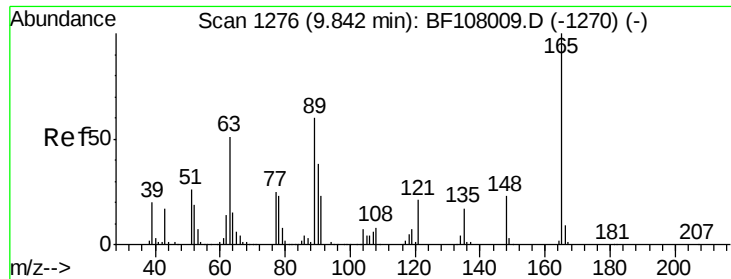
#44
 2-Fluorobiphenyl
 Concen: 94.690 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108598.D
 Acq: 29 Aug 2018 12:18

Tgt Ion:172 Resp: 1699181
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.7 44.5
 170 25.0 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

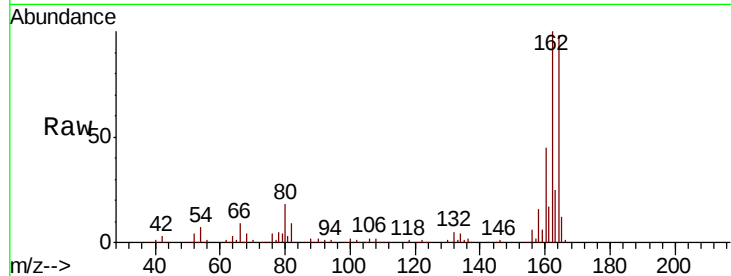




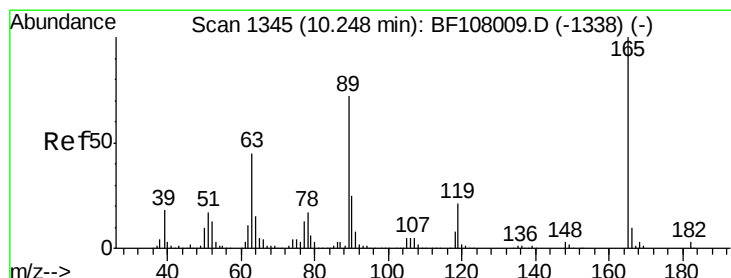
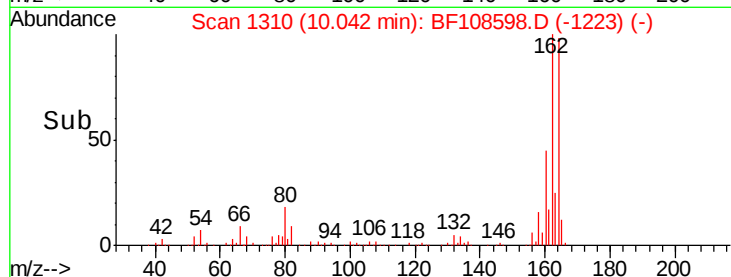
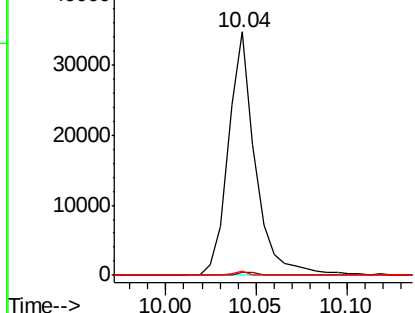
#50
 2,6-Dinitrotoluene
 Concen: 8.586 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. 0.21 min
 Lab File: BF108598.D
 Acq: 29 Aug 2018 12:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.9	44.0	66.0#

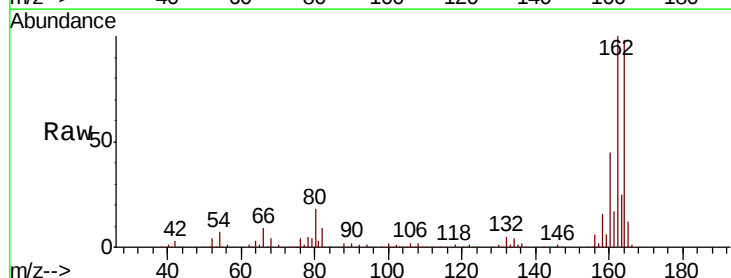


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

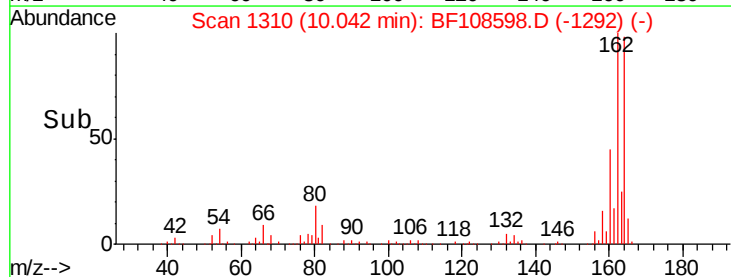
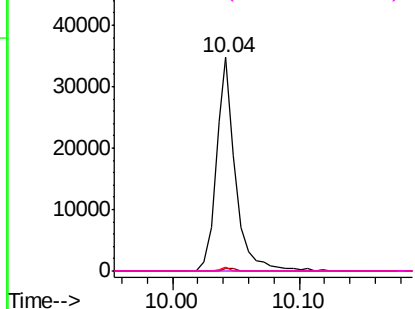


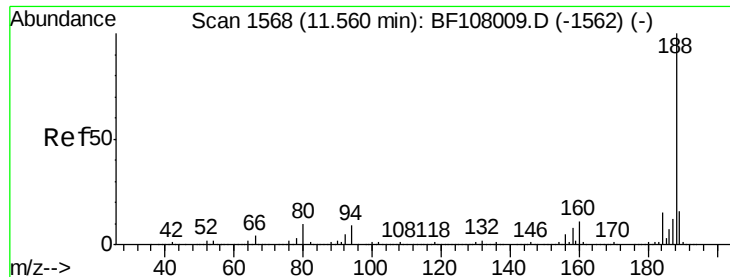
#56
 2,4-Dinitrotoluene
 Concen: 6.732 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.19 min
 Lab File: BF108598.D
 Acq: 29 Aug 2018 12:18

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.9	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

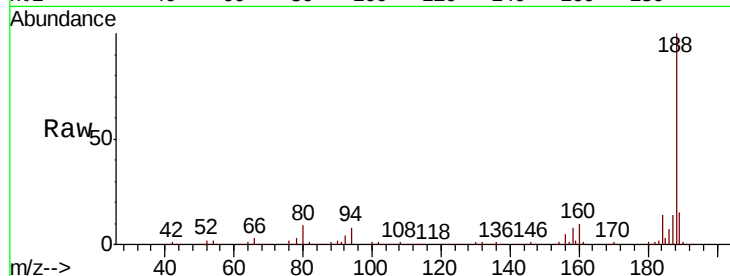




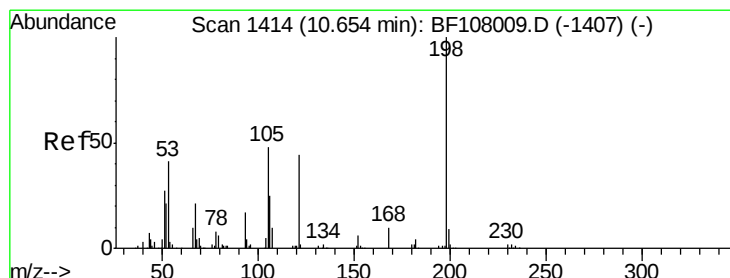
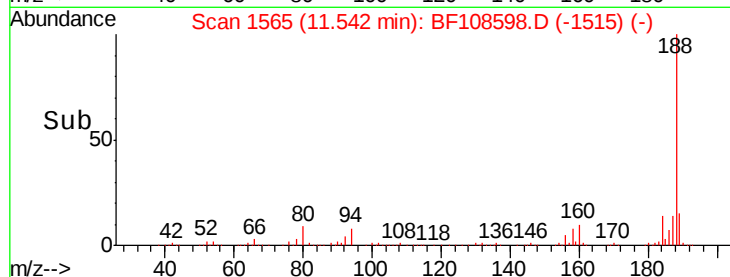
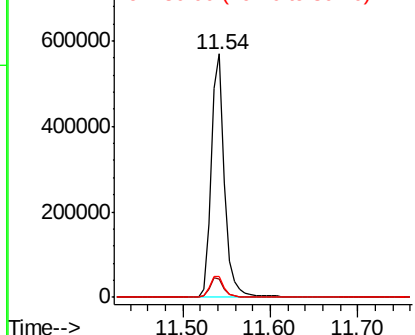
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF108598.D
 Acq: 29 Aug 2018 12:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 602213
 Ion Ratio Lower Upper
 188 100
 94 7.6 8.5 12.7#
 80 8.7 9.2 13.8#

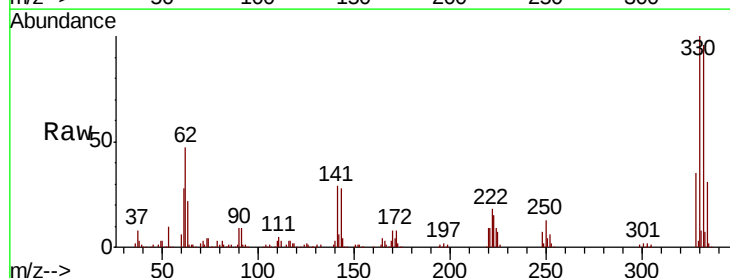


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

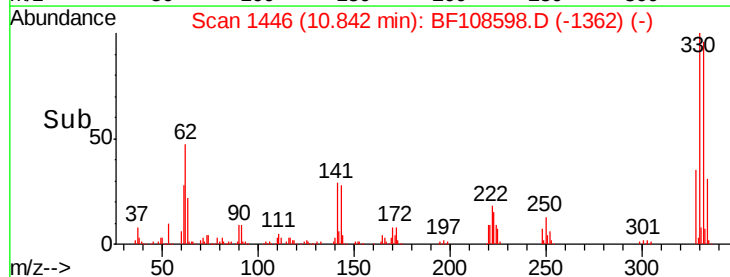
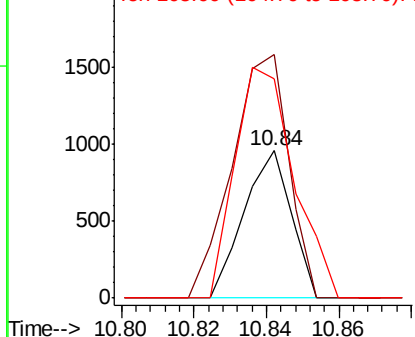


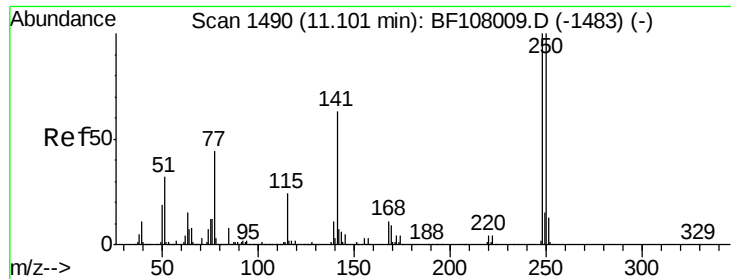
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.699 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. 0.19 min
 Lab File: BF108598.D
 Acq: 29 Aug 2018 12:18

Tgt Ion:198 Resp: 866
 Ion Ratio Lower Upper
 198 100
 51 165.0 37.7 77.7#
 105 148.8 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

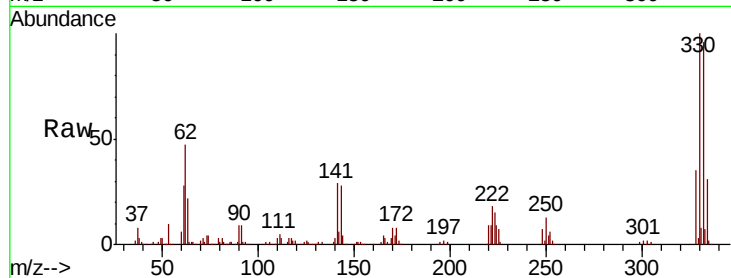




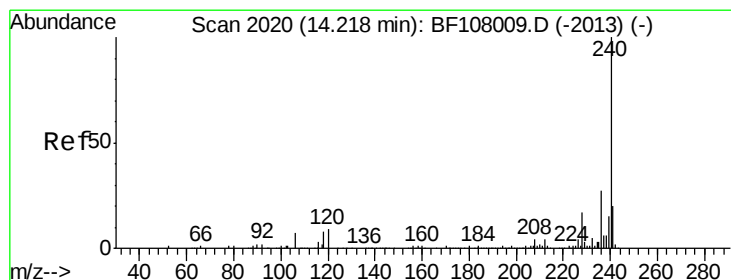
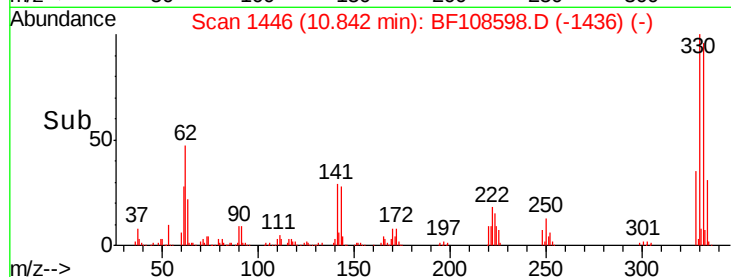
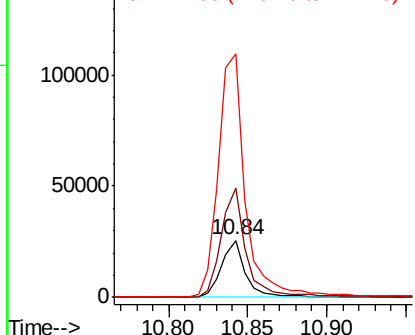
#66
 4-Bromophenyl-phenylether
 Concen: 4.185 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.24 min
 Lab File: BF108598.D
 Acq: 29 Aug 2018 12:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 27389
 Ion Ratio Lower Upper
 248 100
 250 191.7 76.9 115.3#
 141 425.6 74.4 111.6#

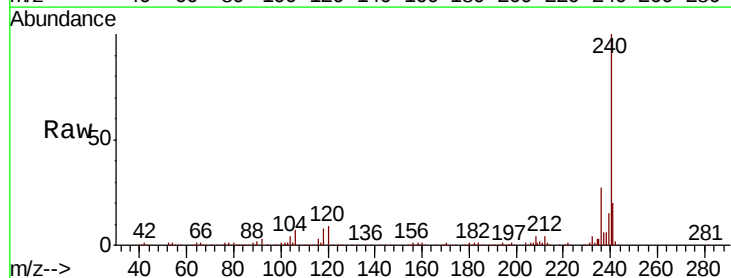


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

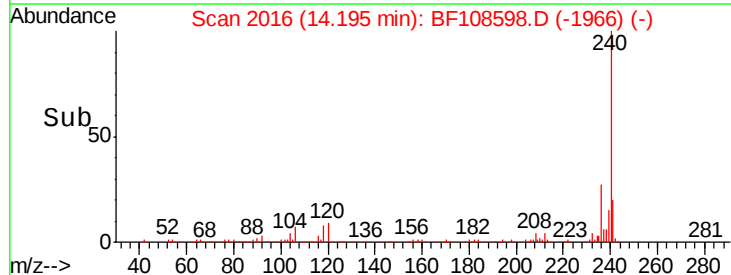
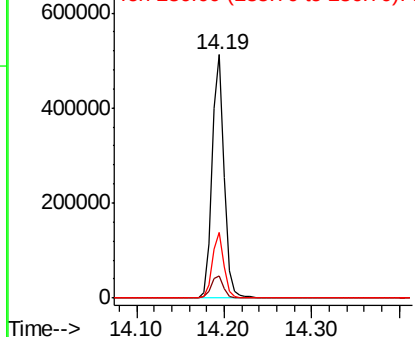


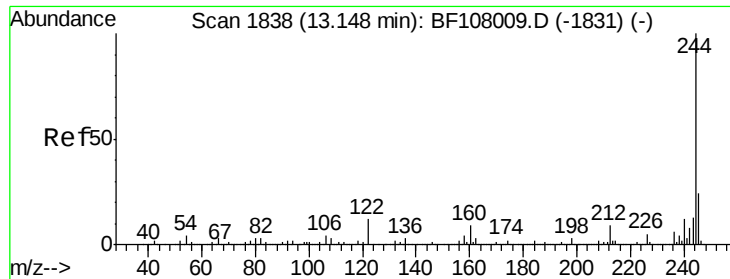
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.19 min Scan# 2016
 Delta R.T. -0.01 min
 Lab File: BF108598.D
 Acq: 29 Aug 2018 12:18

Tgt Ion:240 Resp: 490427
 Ion Ratio Lower Upper
 240 100
 120 8.9 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: 100.125 ng

RT: 13.13 min Scan# 1835

Delta R.T. -0.00 min

Lab File: BF108598.D

Acq: 29 Aug 2018 12:18

Instrument :

BNA_F

ClientSampleId :

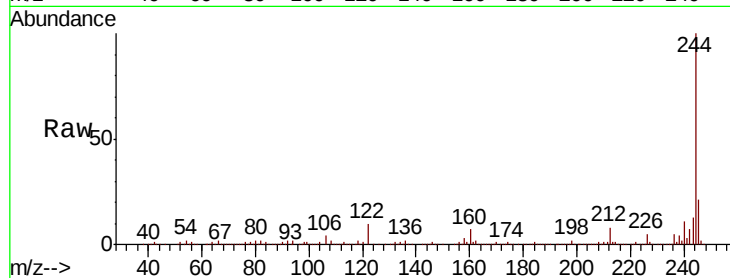
Tot Ion:244 Resp: 1931284

Ion Ratio Lower Upper

244 100

212 7.6 5.4 8.0

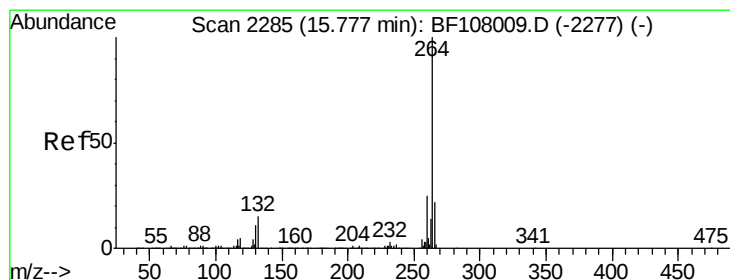
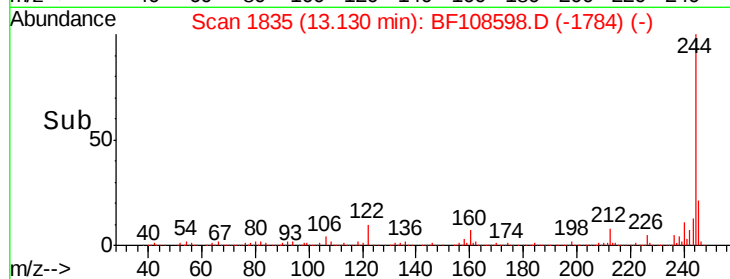
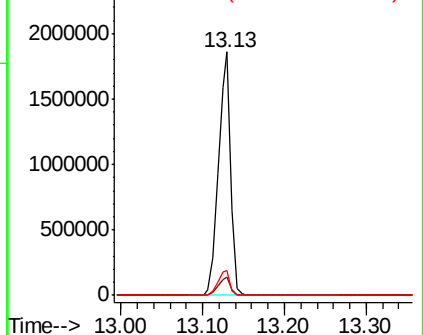
122 9.9 11.0 16.4#



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# 2281

Delta R.T. -0.01 min

Lab File: BF108598.D

Acq: 29 Aug 2018 12:18

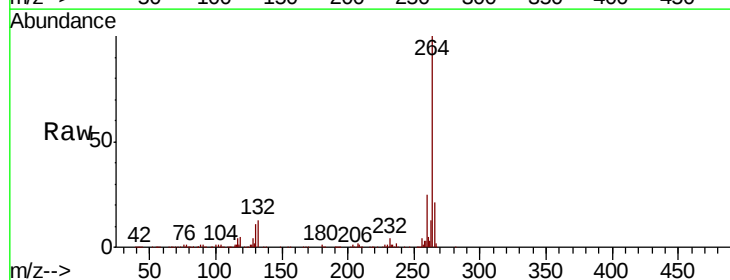
Tgt Ion:264 Resp: 361089

Ion Ratio Lower Upper

264 100

260 24.9 19.2 28.8

265 21.4 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

