

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082818\
 Data File : BF108559.D
 Acq On : 28 Aug 2018 16:58
 Operator : JU/SJ
 Sample : J4523-02 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 28 18:21:46 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

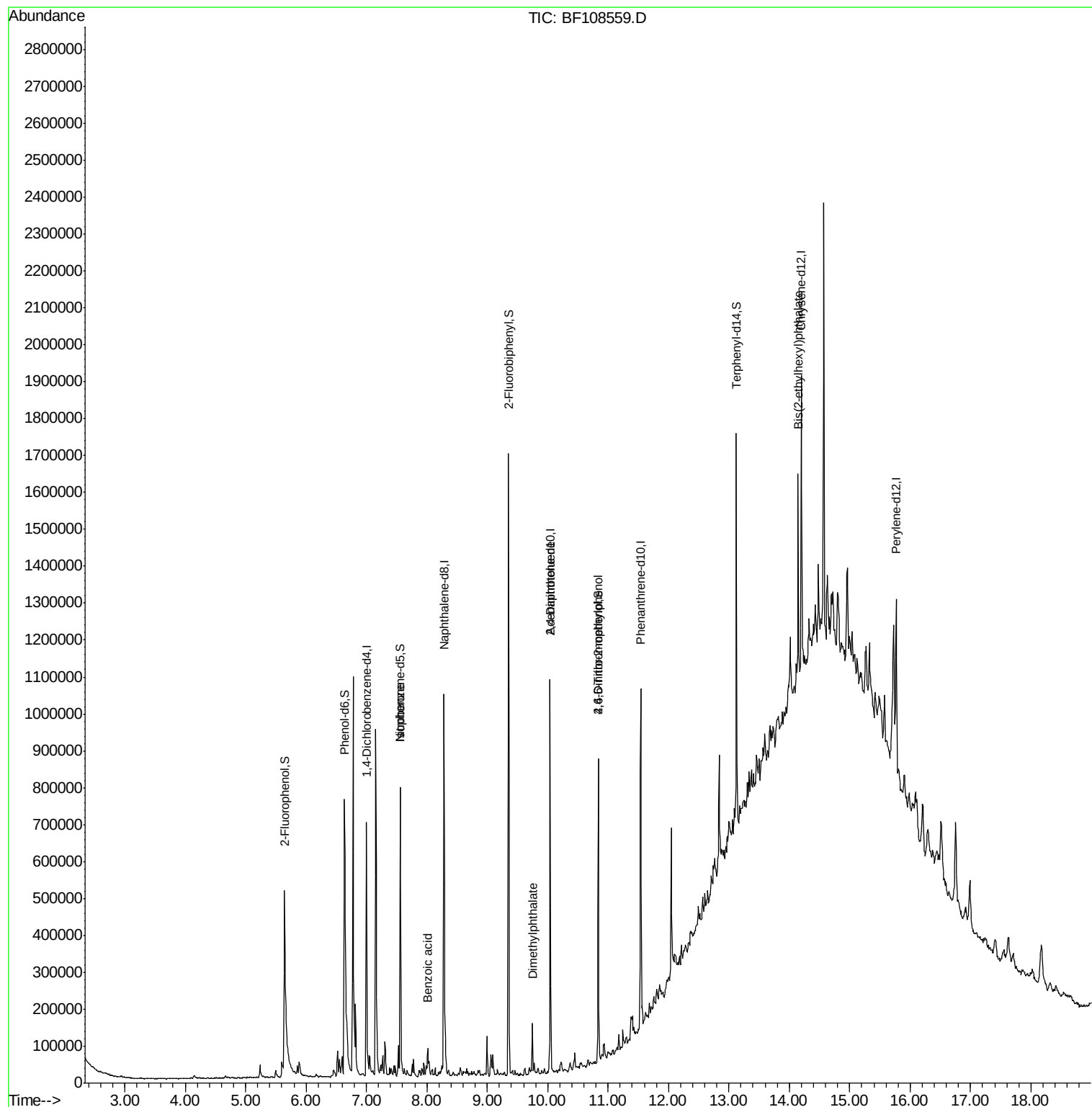
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	120113	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	449769	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	203496	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	320645	20.00	ng	0.00
75) Chrysene-d12	14.20	240	275105	20.00	ng	0.00
86) Perylene-d12	15.77	264	242237	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	296957	44.76	ng	0.01
7) Phenol-d6	6.64	99	411327	46.66	ng	0.00
23) Nitrobenzene-d5	7.56	82	259260	32.17	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	90699	44.68	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	466512	36.81	ng	-0.01
78) Terphenyl-d14	13.12	244	346875	32.06	ng	0.00
Target Compounds						
25) Isophorone	7.56	82	259258	16.875	ng	# 64
32) Benzoic acid	8.01	122	842	6.161	ng	# 1
49) Dimethylphthalate	9.75	163	50018	3.529	ng	97
56) 2,4-Dinitrotoluene	10.04	165	26204	6.864	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.84	198	138	5.460	ng	# 1
83) Bis(2-ethylhexyl)phthalate	14.15	149	137772	14.710	ng	100

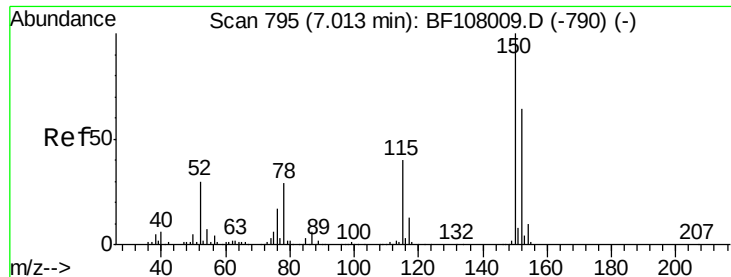
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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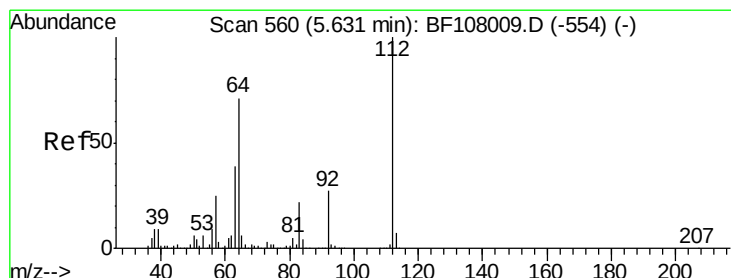
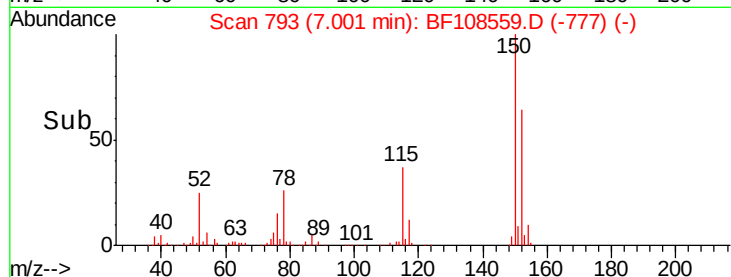
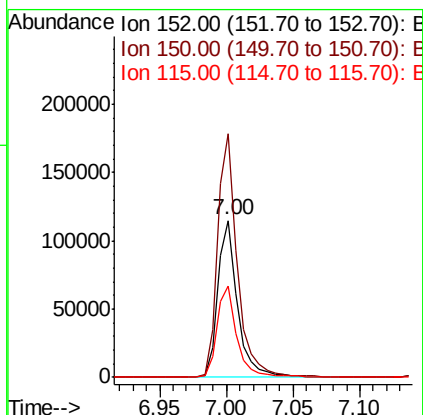
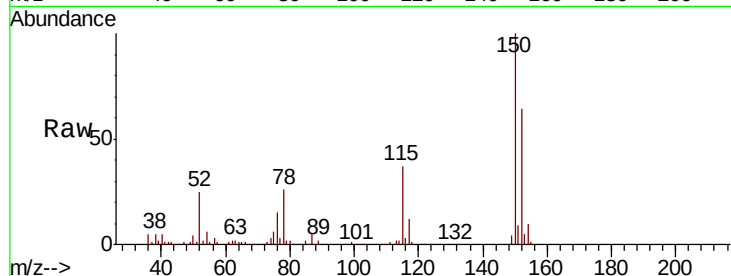


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108559.D
Acq: 28 Aug 2018 16:58

Instrument :
BNA_F
ClientSampleId :

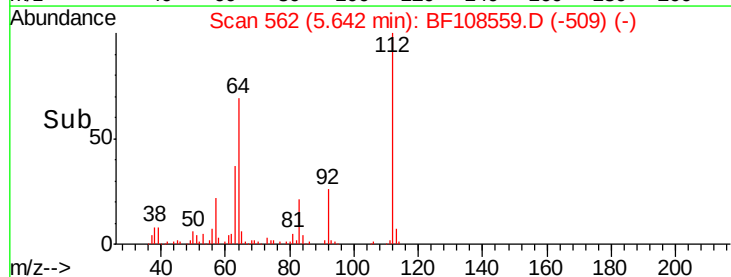
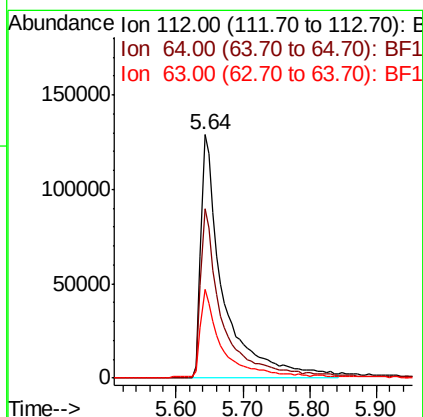
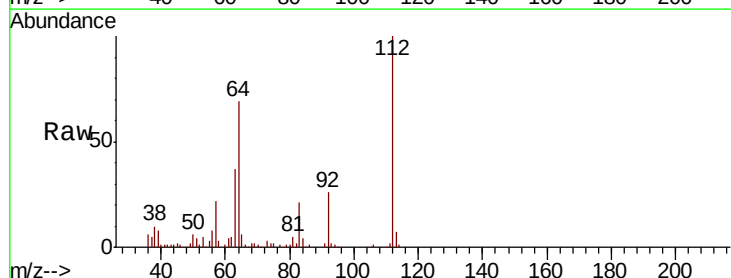
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	124.6	186.8
115	58.0	50.1	75.1

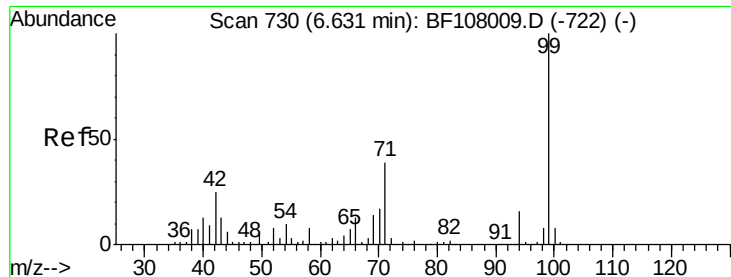


#5

2-Fluorophenol
Concen: 44.760 ng
RT: 5.64 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF108559.D
Acq: 28 Aug 2018 16:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.5	47.9	71.9
63	36.5	23.7	35.5#





#7

Phenol-d6

Concen: 46.656 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108559.D

Acq: 28 Aug 2018 16:58

Instrument :

BNA_F

ClientSampleId :

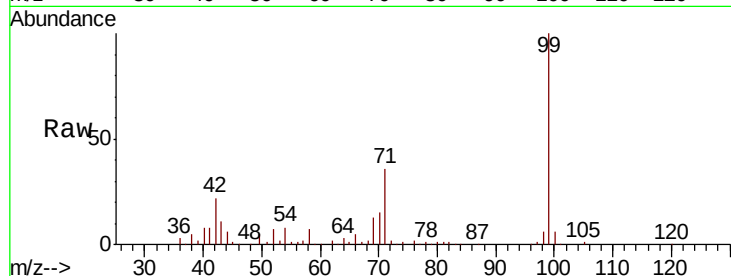
Tot Ion: 99 Resp: 411327

Ion Ratio Lower Upper

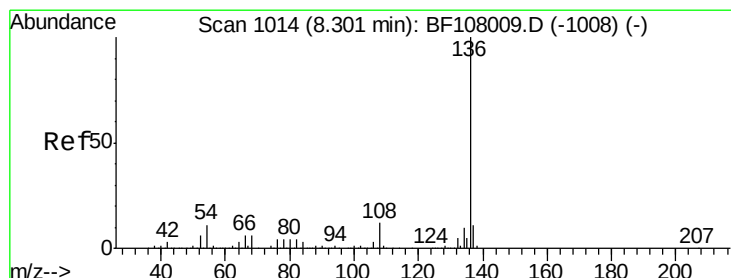
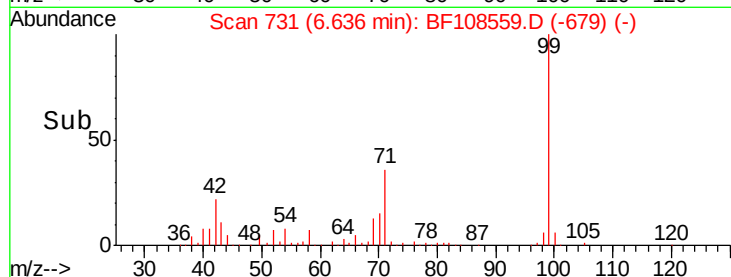
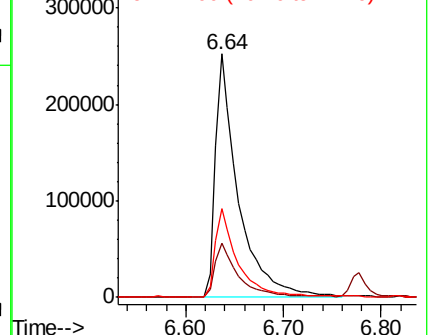
99 100

42 22.1 14.5 21.7#

71 36.5 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.28 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF108559.D

Acq: 28 Aug 2018 16:58

Tgt Ion: 136 Resp: 449769

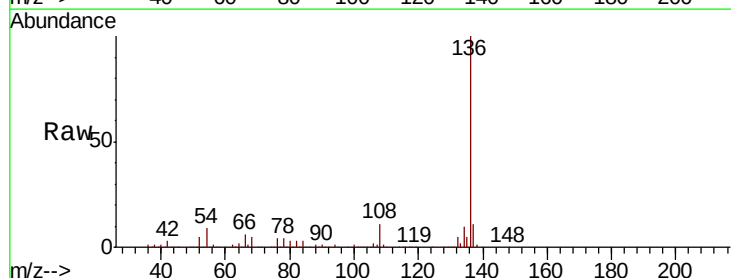
Ion Ratio Lower Upper

136 100

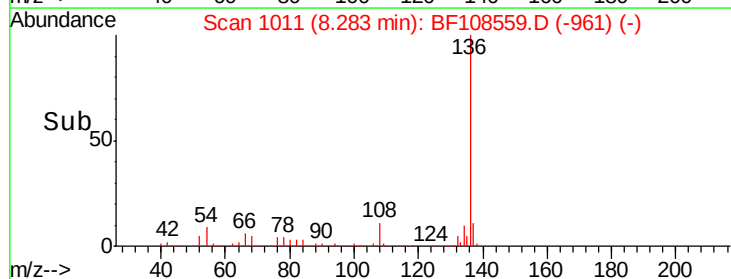
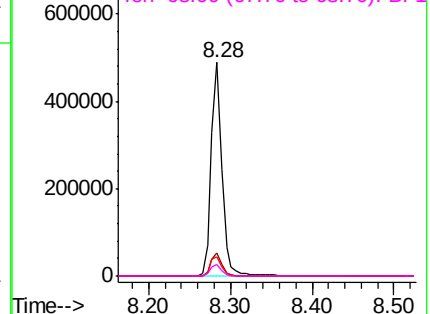
137 10.8 8.9 13.3

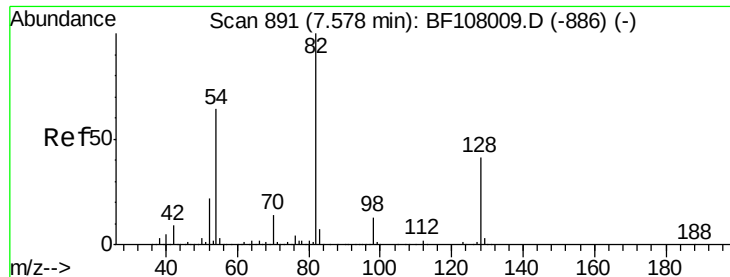
54 9.3 6.6 9.8

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: 32.166 ng

RT: 7.56 min Scan# 888

Delta R.T. -0.01 min

Lab File: BF108559.D

Acq: 28 Aug 2018 16:58

Instrument :

BNA_F

ClientSampleId :

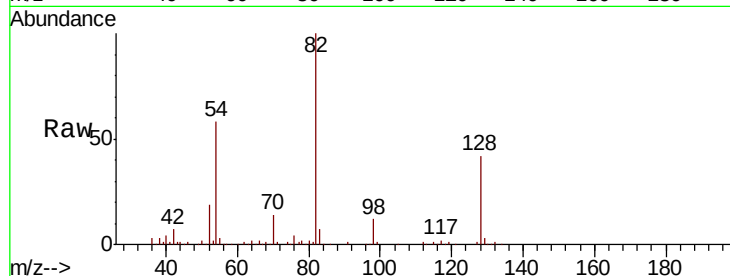
Tot Ion: 82 Resp: 259260

Ion Ratio Lower Upper

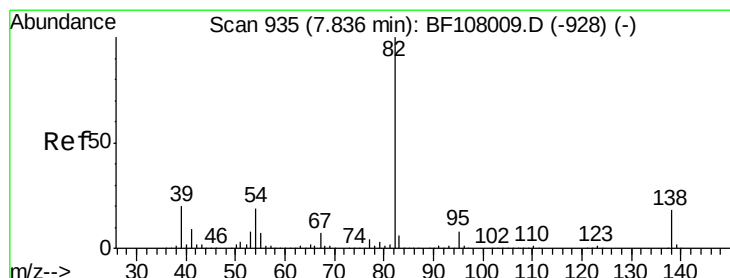
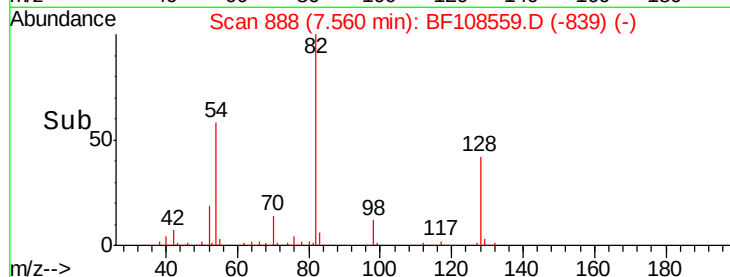
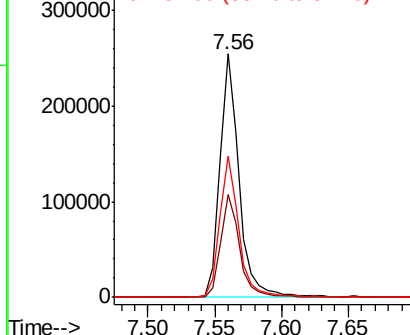
82 100

128 42.1 36.1 54.1

54 58.3 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 16.875 ng

RT: 7.56 min Scan# 888

Delta R.T. -0.26 min

Lab File: BF108559.D

Acq: 28 Aug 2018 16:58

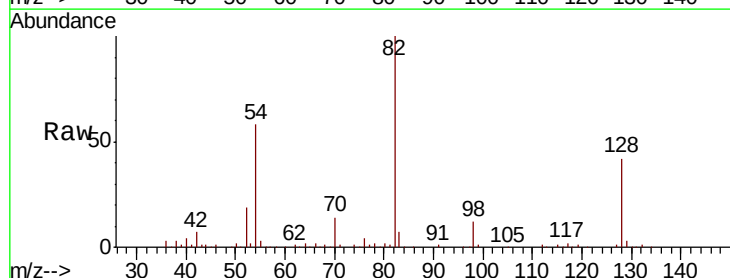
Tgt Ion: 82 Resp: 259258

Ion Ratio Lower Upper

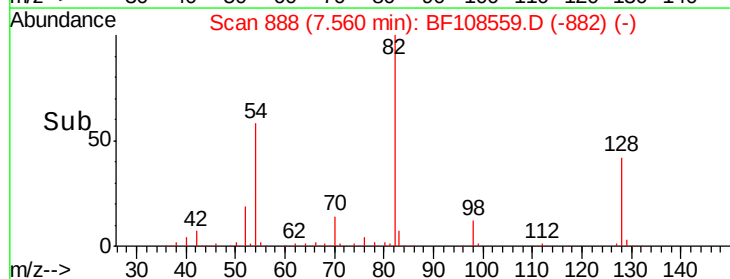
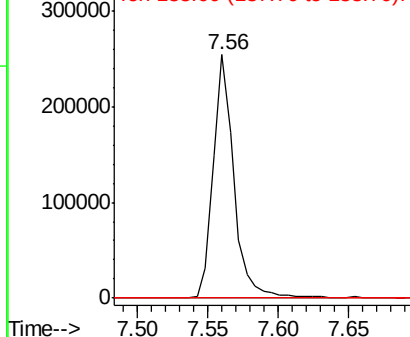
82 100

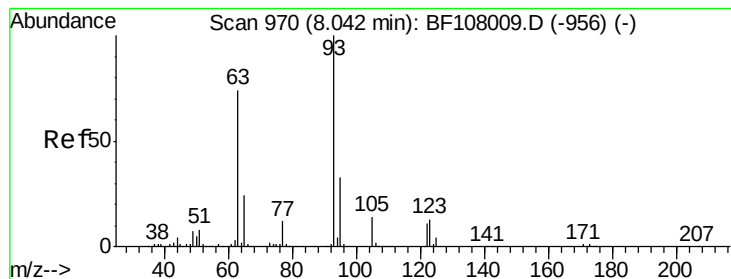
95 0.0 5.2 7.8#

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





#32

Benzoic acid

Concen: 6.161 ng

RT: 8.01 min Scan# 964

Delta R.T. -0.03 min

Lab File: BF108559.D

Acq: 28 Aug 2018 16:58

Instrument :

BNA_F

ClientSampleId :

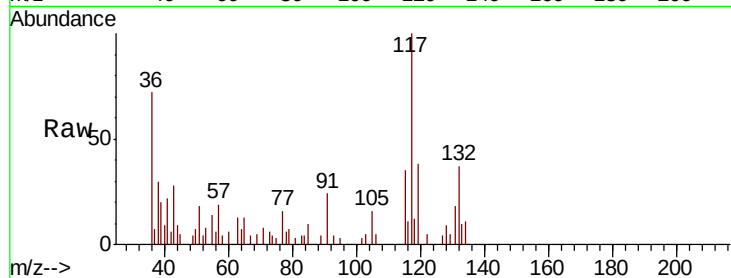
Tot Ion:122 Resp: 842

Ion Ratio Lower Upper

122 100

105 332.8 101.1 141.1#

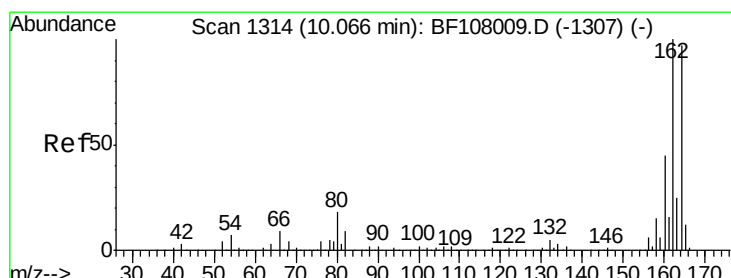
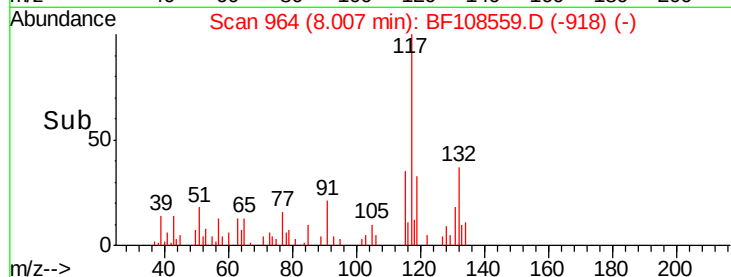
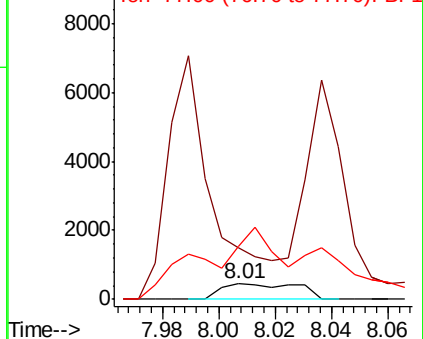
77 335.2 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.04 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF108559.D

Acq: 28 Aug 2018 16:58

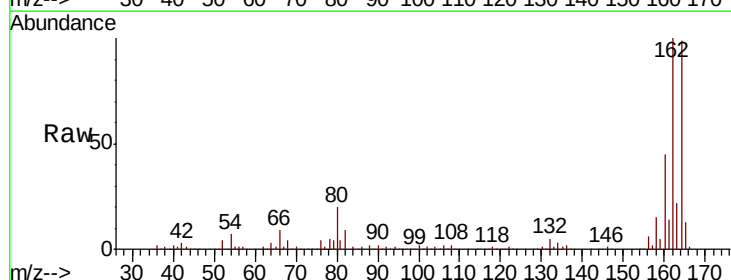
Tgt Ion:164 Resp: 203496

Ion Ratio Lower Upper

164 100

162 101.0 86.1 129.1

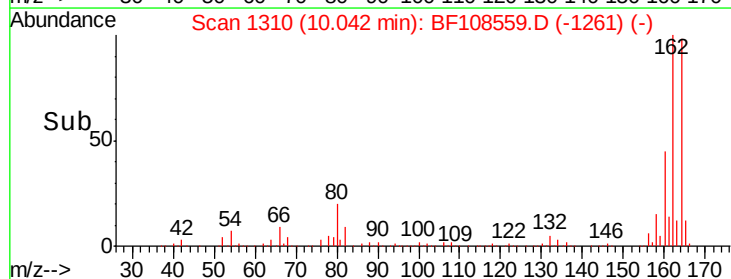
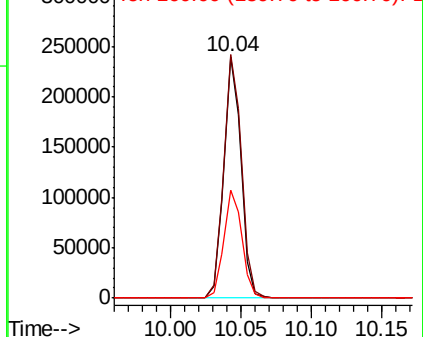
160 45.0 38.3 57.5

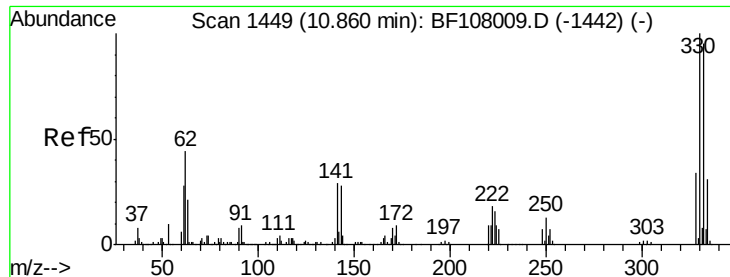


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

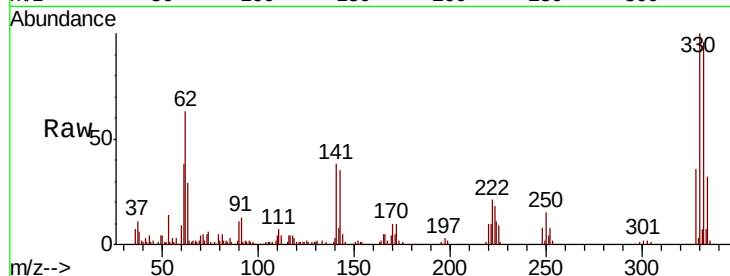




#41
 2,4,6-Tribromophenol
 Concen: 44.683 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108559.D
 Acq: 28 Aug 2018 16:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	35.4	29.9	44.9

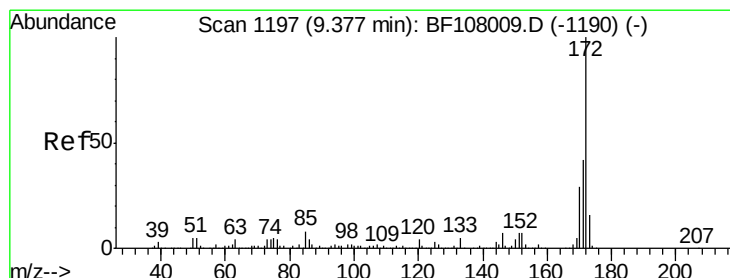
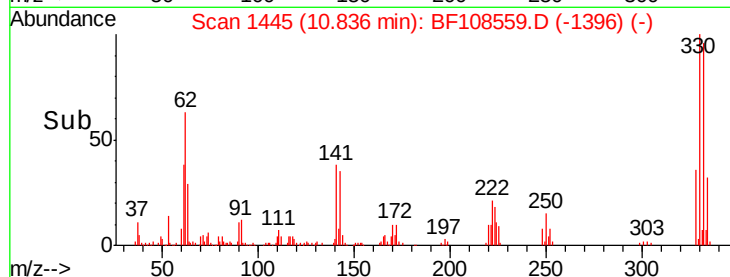
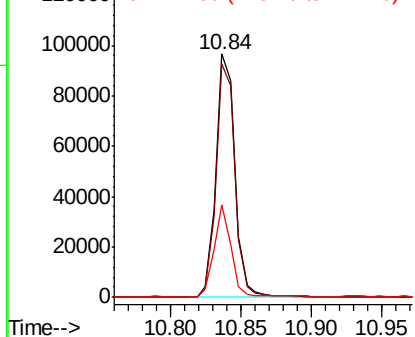


Abundance

Ion 329.80 (329.50 to 330.50): E

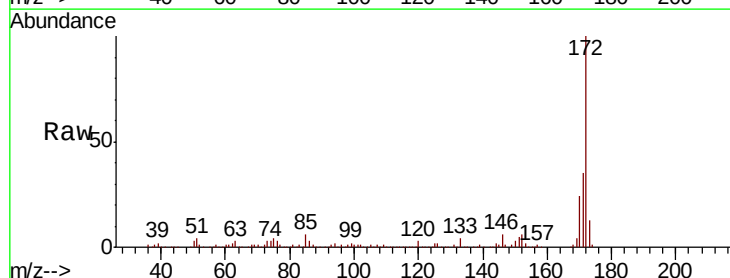
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 36.805 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108559.D
 Acq: 28 Aug 2018 16:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	23.6	19.6	29.4

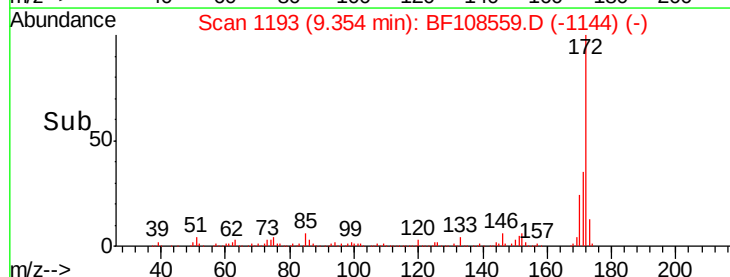
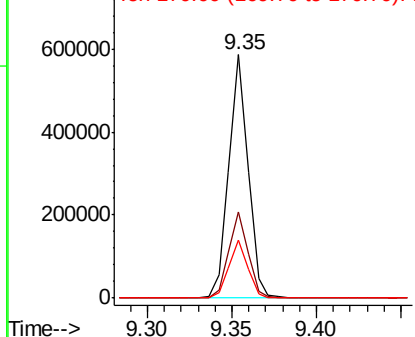


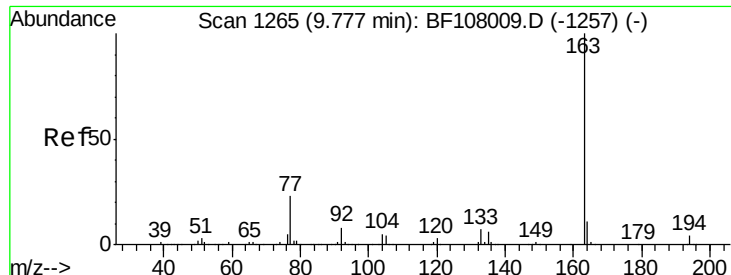
Abundance

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

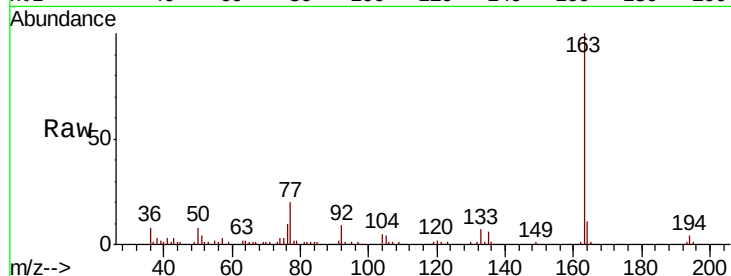




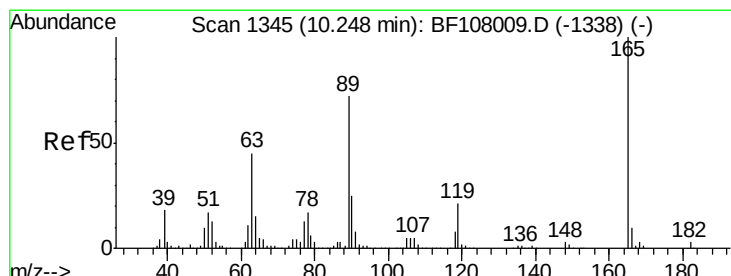
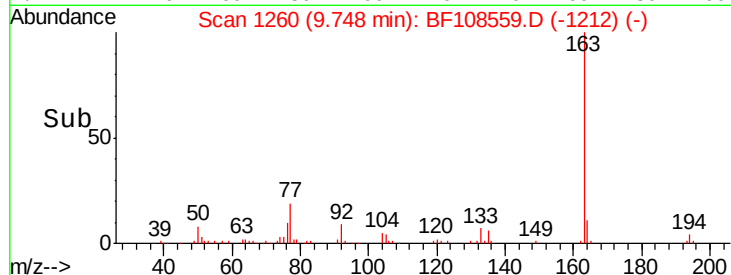
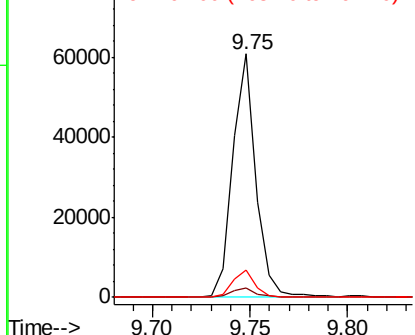
#49
Dimethylphthalate
Concen: 3.529 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF108559.D
Acq: 28 Aug 2018 16:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 50018
Ion Ratio Lower Upper
163 100
194 4.0 2.7 4.1
164 11.3 8.2 12.2

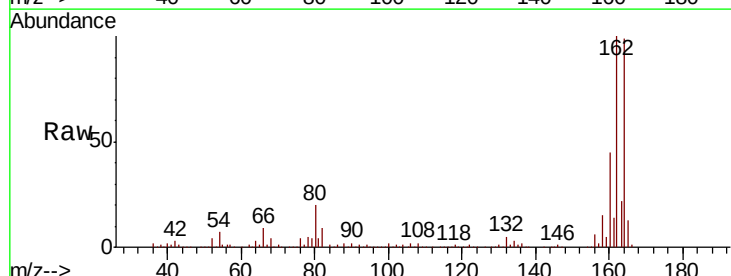


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

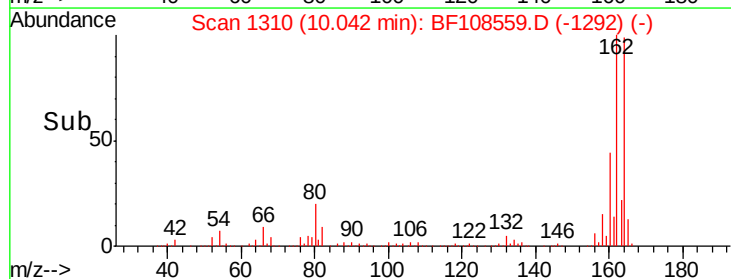
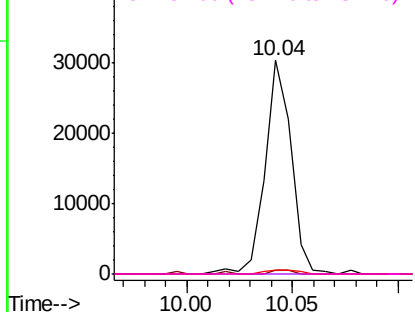


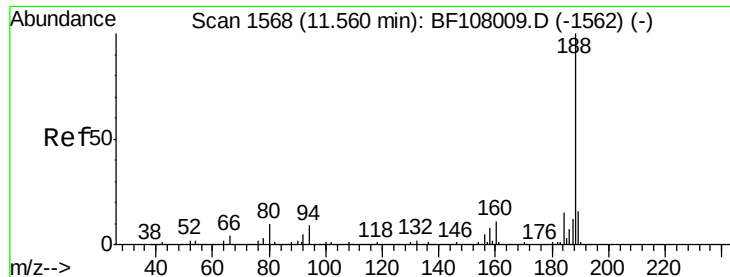
#56
2,4-Dinitrotoluene
Concen: 6.864 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.19 min
Lab File: BF108559.D
Acq: 28 Aug 2018 16:58

Tgt Ion:165 Resp: 26204
Ion Ratio Lower Upper
165 100
63 1.9 36.4 54.6#
89 1.6 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

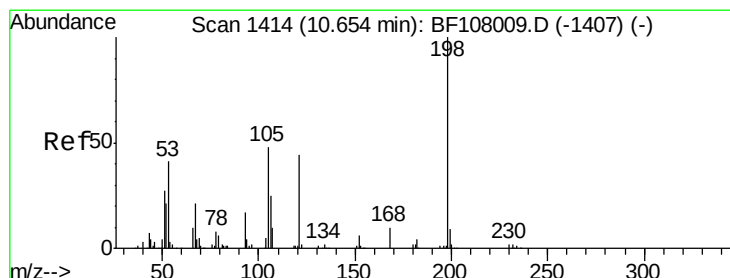
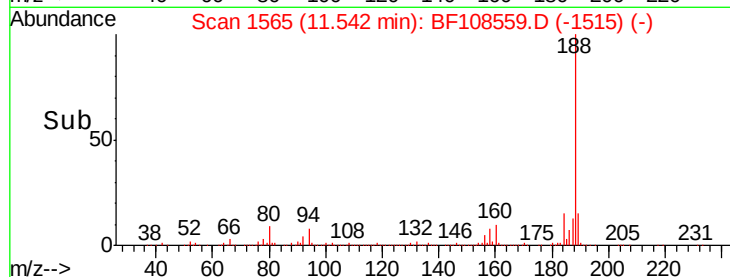
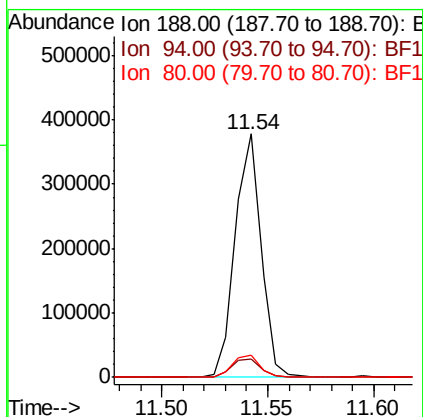
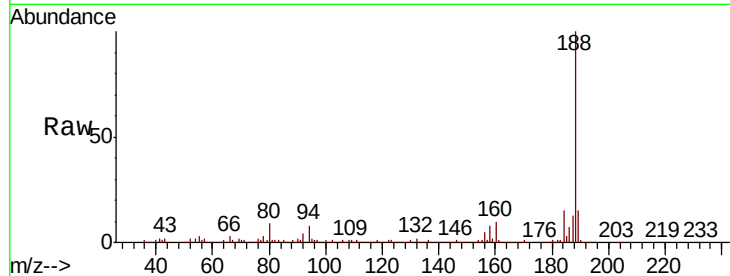




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF108559.D
 Acq: 28 Aug 2018 16:58

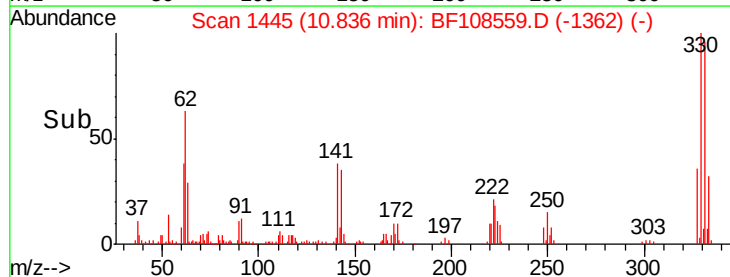
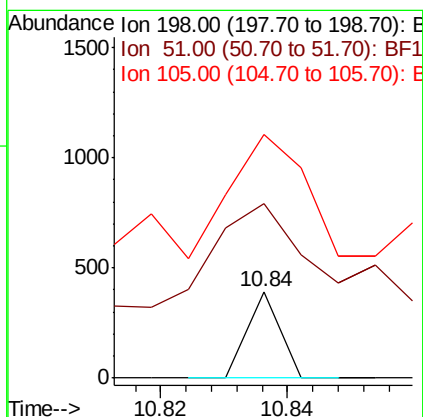
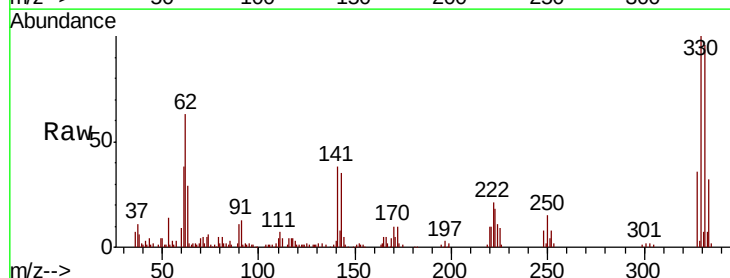
Instrument :
 BNA_F
 ClientSampleId :

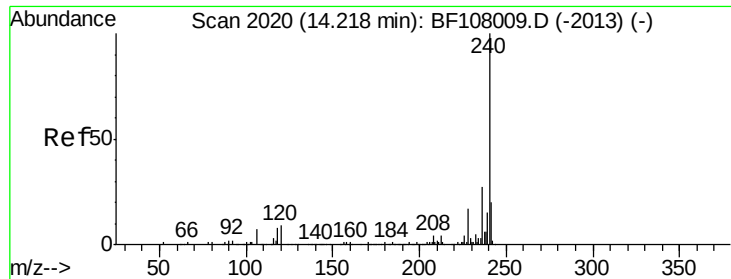
Tot Ion:188 Resp: 320645
 Ion Ratio Lower Upper
 188 100
 94 7.7 8.5 12.7#
 80 9.0 9.2 13.8#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.460 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. 0.19 min
 Lab File: BF108559.D
 Acq: 28 Aug 2018 16:58

Tgt Ion:198 Resp: 138
 Ion Ratio Lower Upper
 198 100
 51 201.5 37.7 77.7#
 105 281.9 36.3 76.3#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.20 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BF108559.D

Acq: 28 Aug 2018 16:58

Instrument :

BNA_F

ClientSampleId :

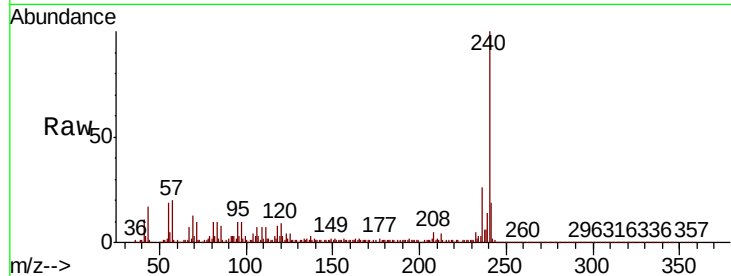
Tot Ion:240 Resp: 275105

Ion Ratio Lower Upper

240 100

120 9.2 9.5 14.3#

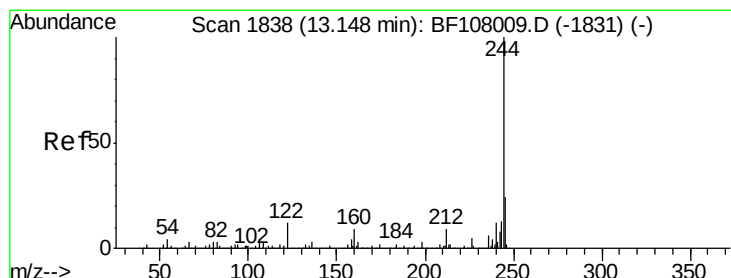
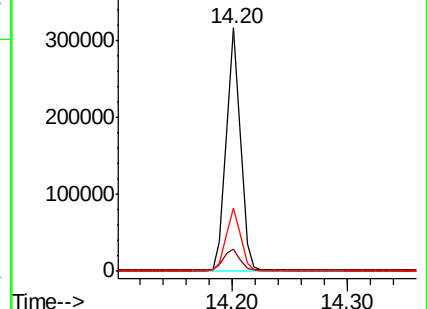
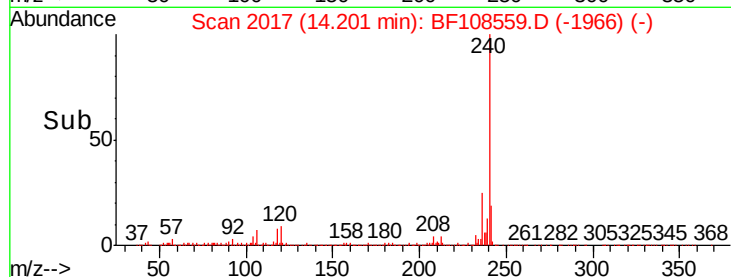
236 25.7 20.7 31.1



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: 32.059 ng

RT: 13.12 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BF108559.D

Acq: 28 Aug 2018 16:58

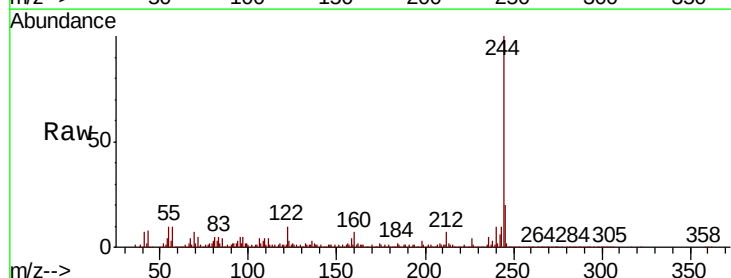
Tgt Ion:244 Resp: 346875

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

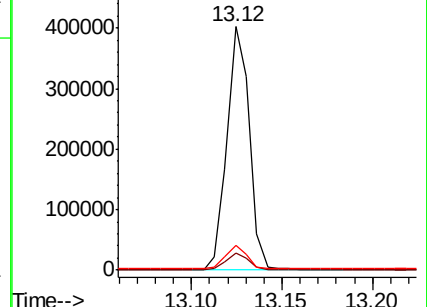
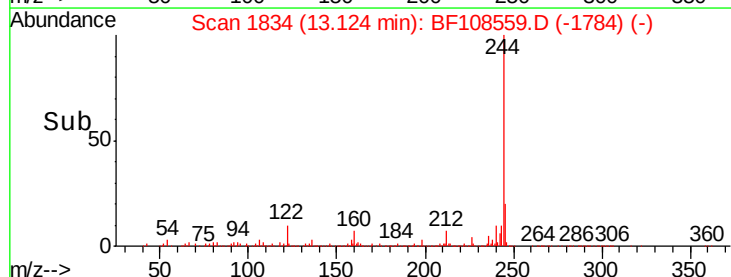
122 10.3 11.0 16.4#

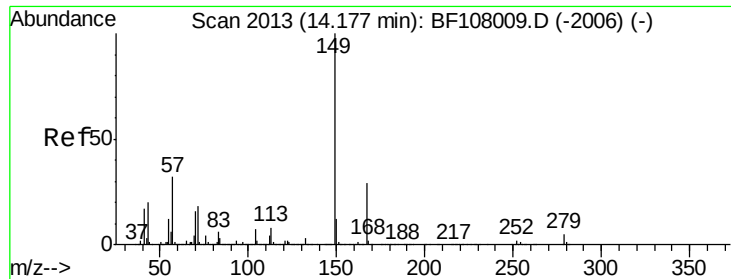


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

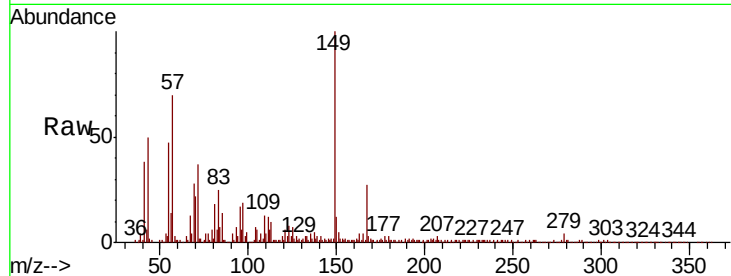




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 14.710 ng
 RT: 14.15 min Scan# 2008
 Delta R.T. -0.00 min
 Lab File: BF108559.D
 Acq: 28 Aug 2018 16:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.3	31.9
279	4.2	3.0	4.4

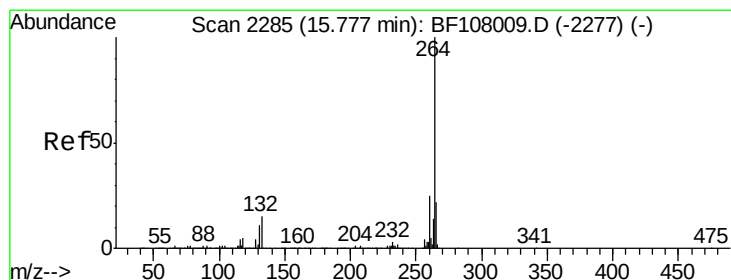
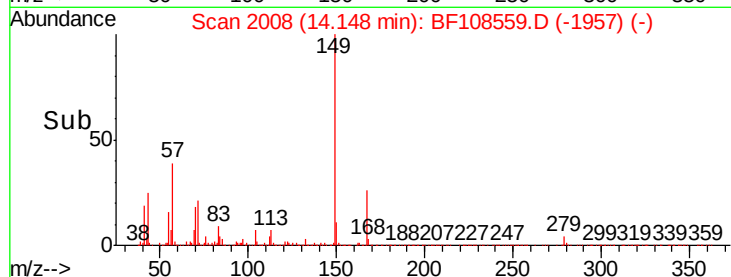
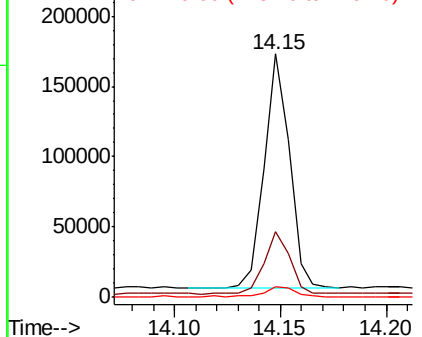


Abundance

Ion 149.00 (148.70 to 149.70): E

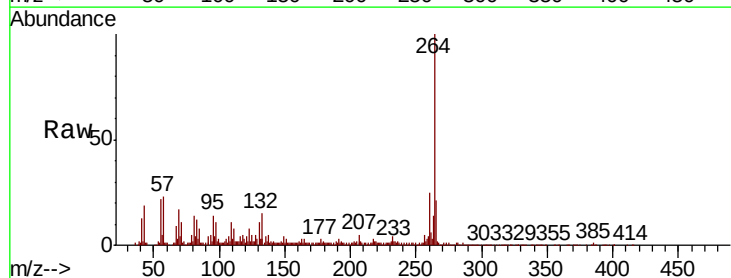
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.77 min Scan# 2284
 Delta R.T. 0.01 min
 Lab File: BF108559.D
 Acq: 28 Aug 2018 16:58

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	21.2	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

