

Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA_F\DATA\BF081618\
 Data File : BF108219.D
 Acq On : 17 Aug 2018 2:20
 Operator : JU/SJ
 Sample : J4501-04
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RA-081318-FL-019

Quant Time: Aug 17 04:09:39 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 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	149478	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	534791	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	230704	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	418866	20.00	ng	0.00
75) Chrysene-d12	14.21	240	427769	20.00	ng	-0.01
86) Perylene-d12	15.77	264	304532	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	842845	102.08	ng	0.01
7) Phenol-d6	6.64	99	1089957	99.34	ng	0.00
23) Nitrobenzene-d5	7.58	82	709503	74.03	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	247679	107.63	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	1208215	84.08	ng	0.00
78) Terphenyl-d14	13.14	244	1211630	72.02	ng	0.00

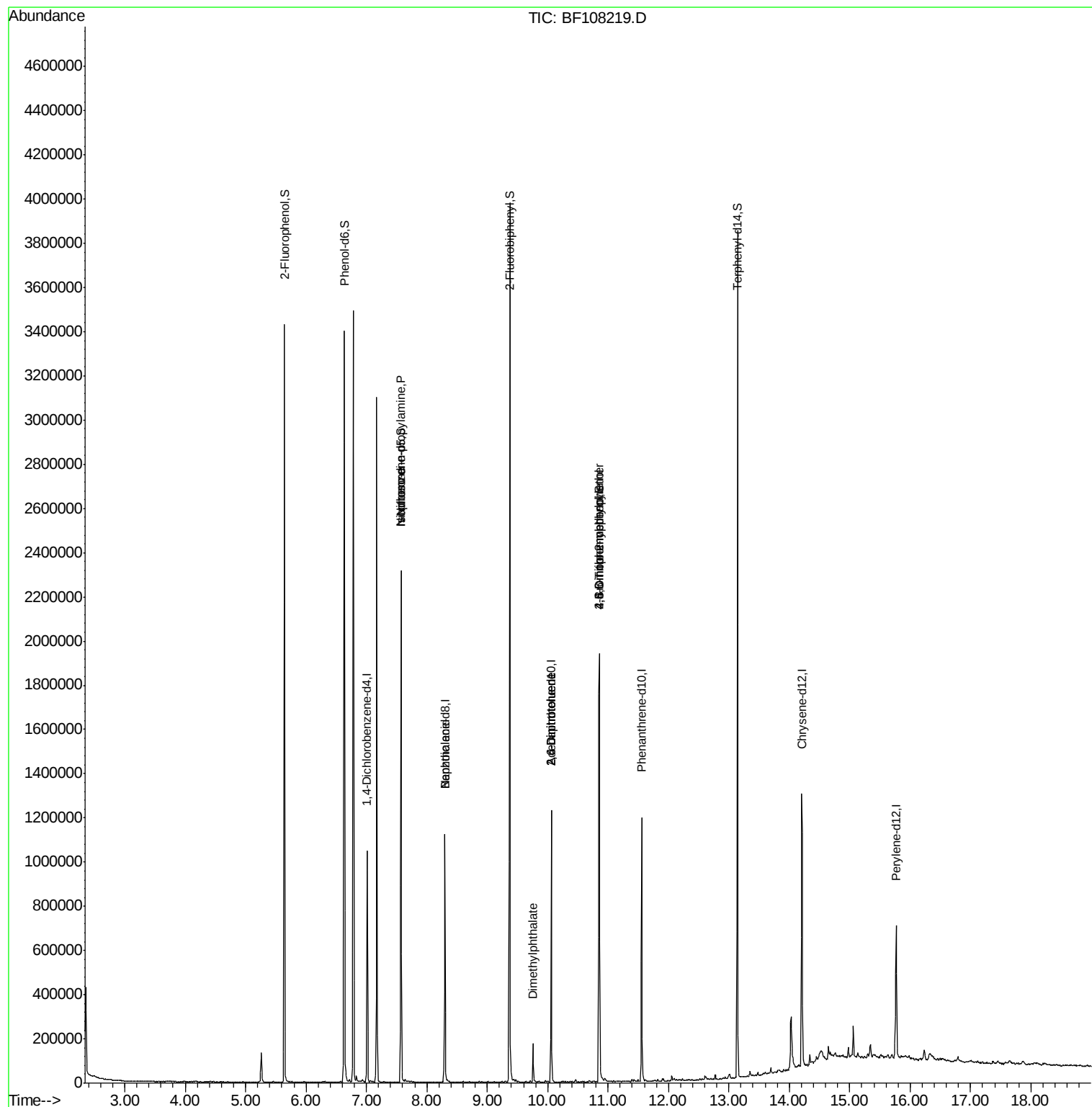
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.58	70	95104	12.818	ng	# 84
25) Isophorone	7.58	82	709493	38.840	ng	# 64
32) Benzoic acid	8.30	122	113	5.995	ng	# 1
49) Dimethylphthalate	9.76	163	61872	3.850	ng	# 97
50) 2,6-Dinitrotoluene	10.06	165	29771	8.854	ng	# 26
56) 2,4-Dinitrotoluene	10.06	165	29771	6.879	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.85	198	408	5.589	ng	# 1
66) 4-Bromophenyl-phenylether	10.85	248	16509	3.627	ng	# 1

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

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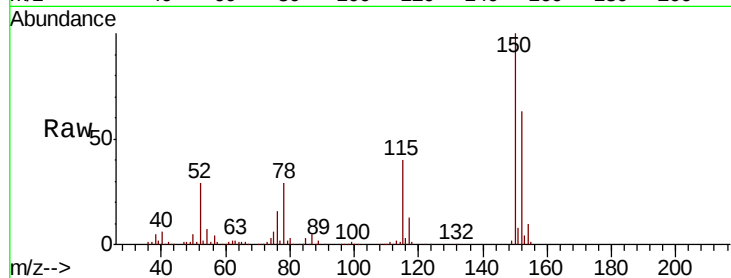


#1

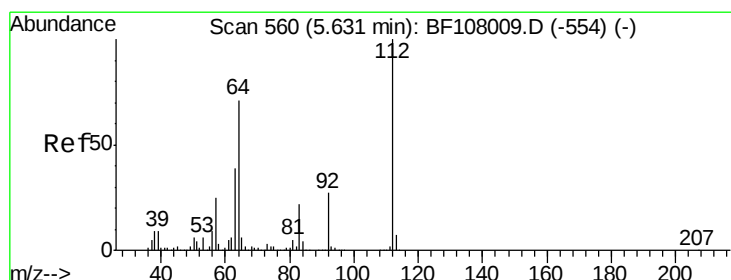
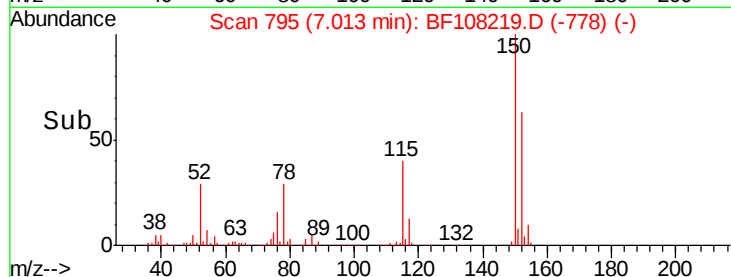
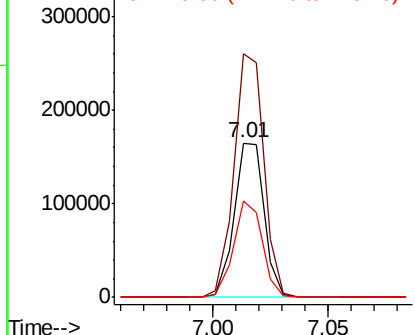
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF108219.D
Acq: 17 Aug 2018 2:20

Instrument :
BNA_F
ClientSampleId :
RA-081318-FL-019

Tgt Ion:152 Resp: 149478
Ion Ratio Lower Upper
152 100
150 157.8 124.6 186.8
115 62.9 50.1 75.1



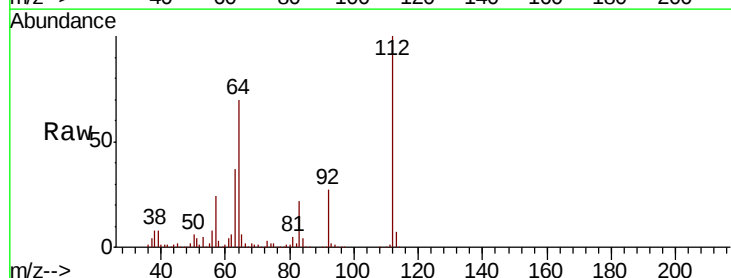
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



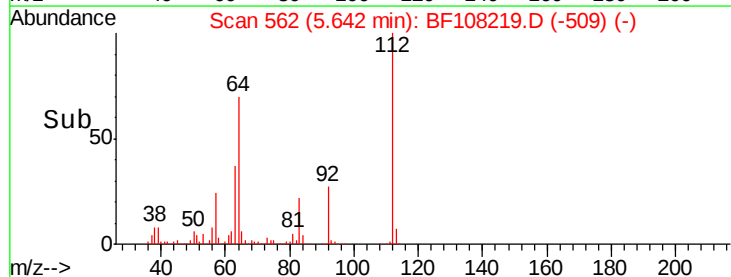
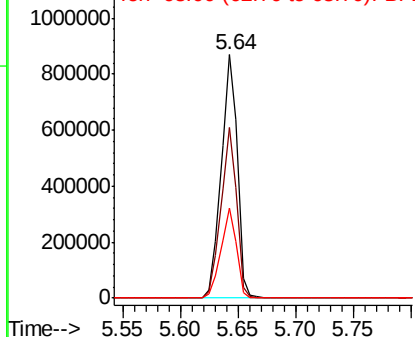
#5

2-Fluorophenol
Concen: 102.084 ng
RT: 5.64 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF108219.D
Acq: 17 Aug 2018 2:20

Tgt Ion:112 Resp: 842845
Ion Ratio Lower Upper
112 100
64 70.1 47.9 71.9
63 37.2 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: 99.343 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108219.D

Acq: 17 Aug 2018 2:20

Instrument :

BNA_F

ClientSampleId :

RA-081318-FL-019

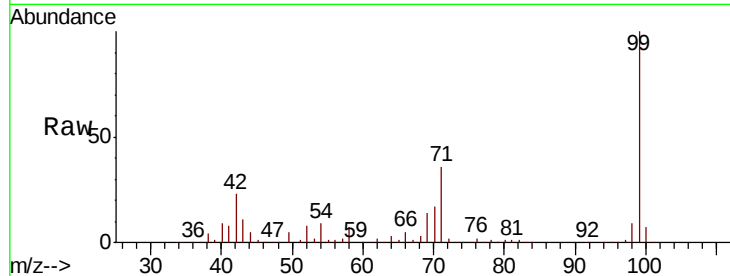
Tgt Ion: 99 Resp: 1089957

Ion Ratio Lower Upper

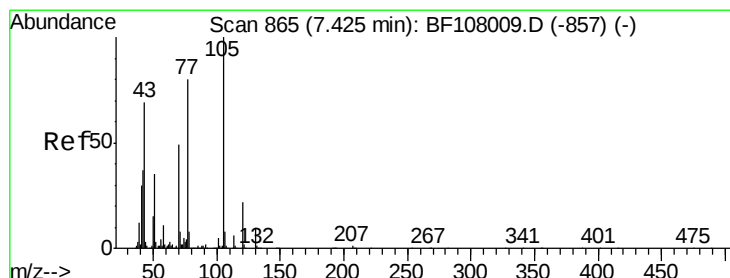
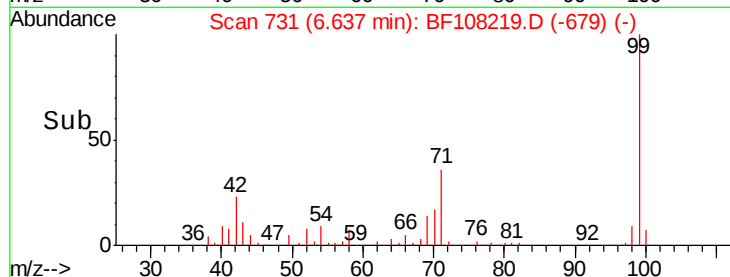
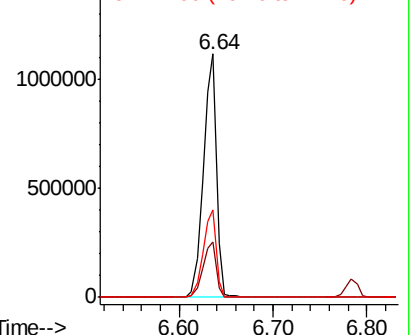
99 100

42 22.5 14.5 21.7#

71 36.1 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: 12.818 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.15 min

Lab File: BF108219.D

Acq: 17 Aug 2018 2:20

Tgt Ion: 70 Resp: 95104

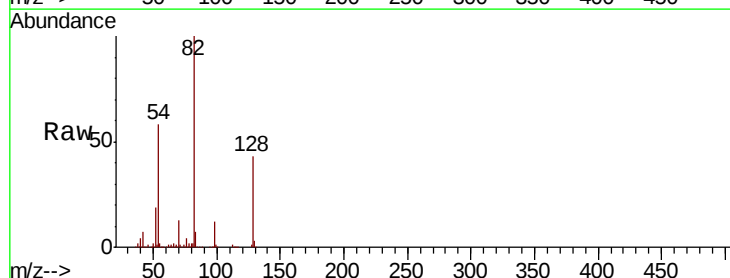
Ion Ratio Lower Upper

70 100

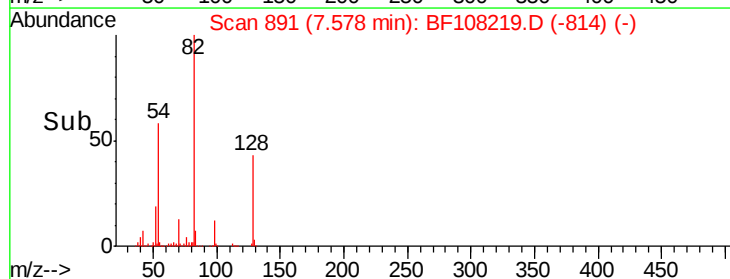
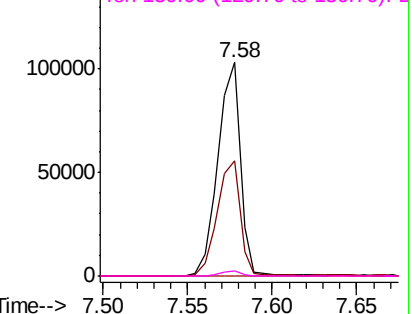
42 54.2 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 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: 8.30 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF108219.D

Acq: 17 Aug 2018 2:20

Instrument :

BNA_F

ClientSampleId :

RA-081318-FL-019

Tgt Ion: 136 Resp: 534791

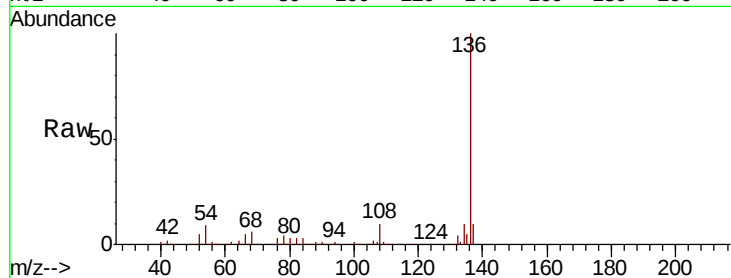
Ion Ratio Lower Upper

136 100

137 10.4 8.9 13.3

54 8.9 6.6 9.8

68 5.6 5.0 7.4

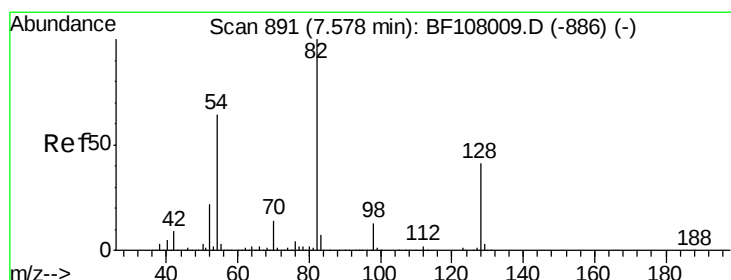
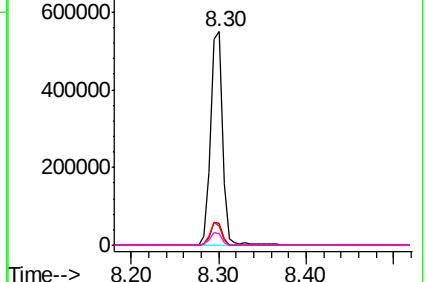
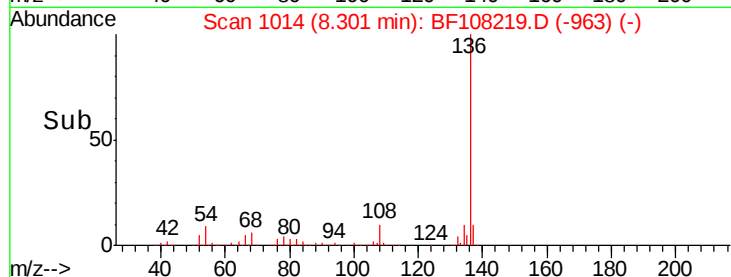


Abundance Ion 136.00 (135.70 to 136.70): E

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: 74.031 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.00 min

Lab File: BF108219.D

Acq: 17 Aug 2018 2:20

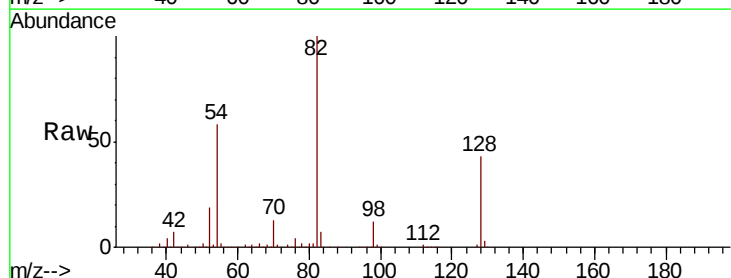
Tgt Ion: 82 Resp: 709503

Ion Ratio Lower Upper

82 100

128 42.7 36.1 54.1

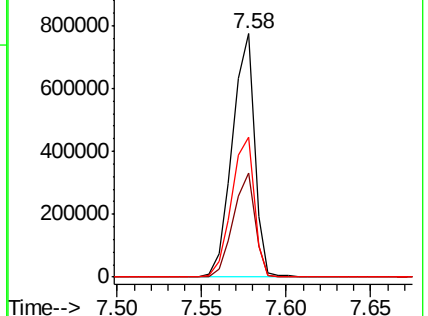
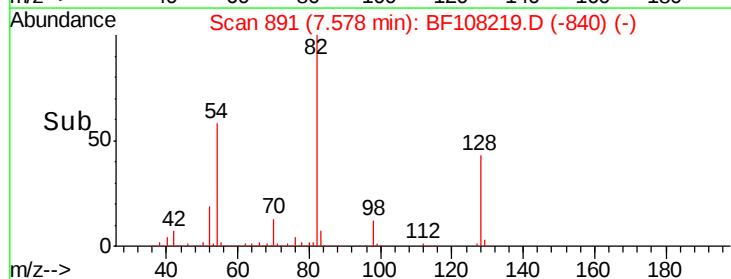
54 57.5 41.4 62.2



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: 38.840 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF108219.D

Acq: 17 Aug 2018 2:20

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ClientSampleId :

RA-081318-FL-019

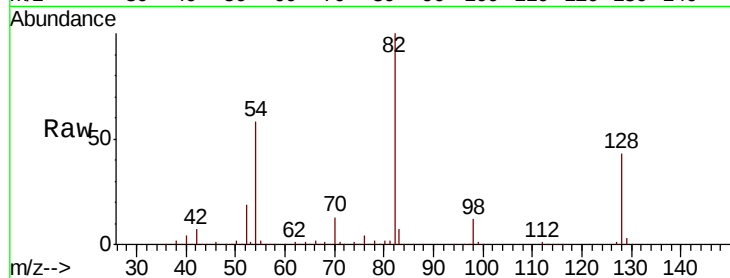
Tgt Ion: 82 Resp: 709493

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

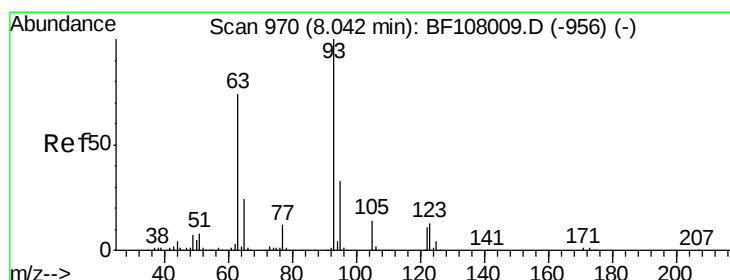
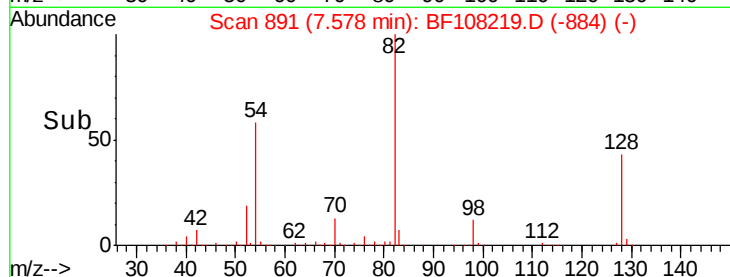
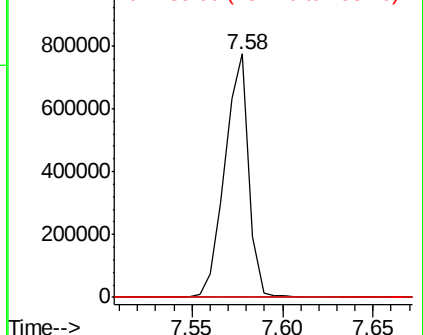
138 0.0 14.9 22.3#



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: 5.995 ng

RT: 8.30 min Scan# 1013

Delta R.T. 0.25 min

Lab File: BF108219.D

Acq: 17 Aug 2018 2:20

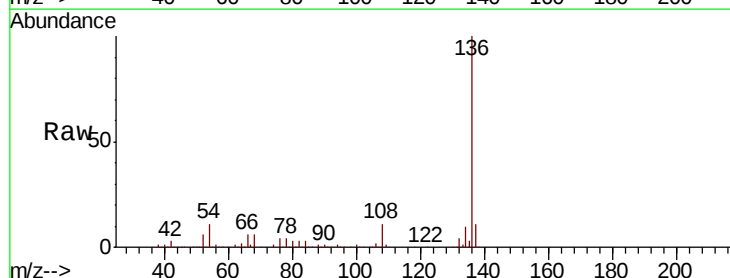
Tgt Ion: 122 Resp: 113

Ion Ratio Lower Upper

122 100

105 174.3 101.1 141.1#

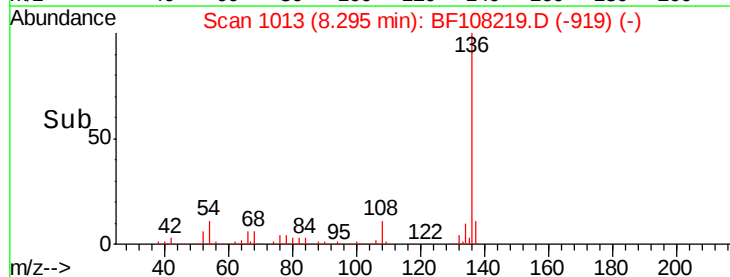
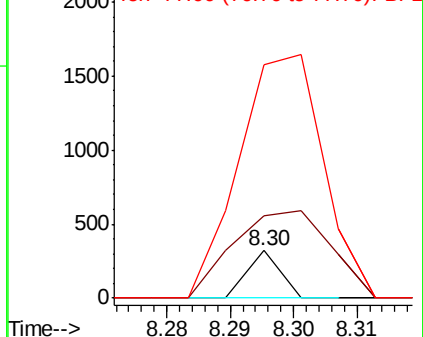
77 492.8 70.7 110.7#

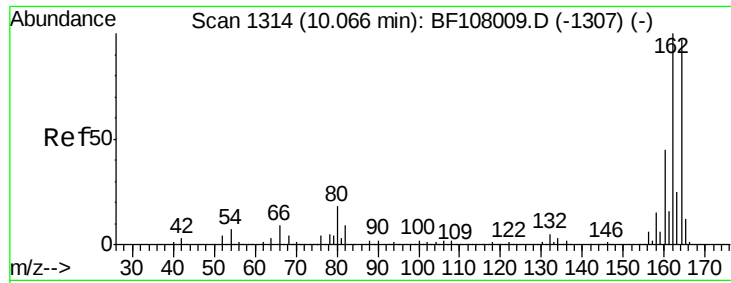


Abundance Ion 122.00 (121.70 to 122.70): E

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: 10.06 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF108219.D

Acq: 17 Aug 2018 2:20

Instrument :

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ClientSampleId :

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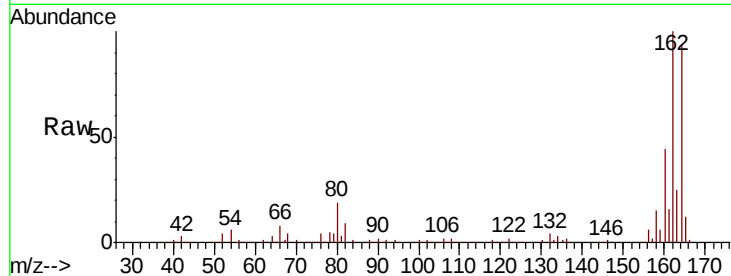
Tgt Ion:164 Resp: 230704

Ion Ratio Lower Upper

164 100

162 105.9 86.1 129.1

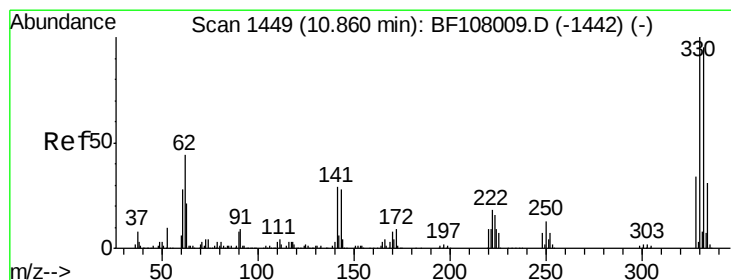
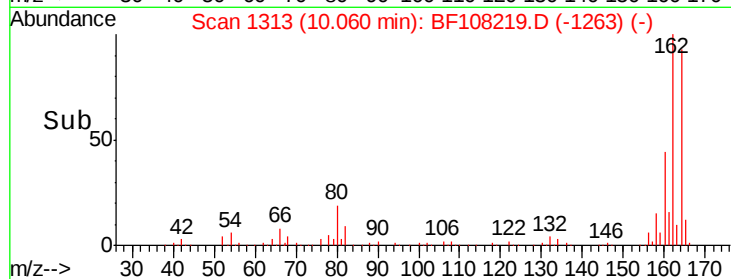
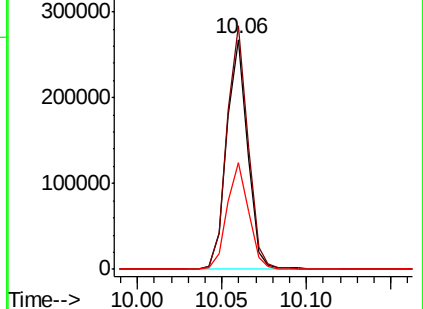
160 46.4 38.3 57.5



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: 107.630 ng

RT: 10.85 min Scan# 1448

Delta R.T. -0.01 min

Lab File: BF108219.D

Acq: 17 Aug 2018 2:20

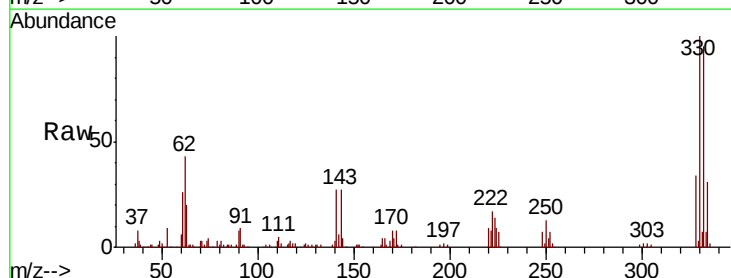
Tgt Ion:330 Resp: 247679

Ion Ratio Lower Upper

330 100

332 94.4 77.0 115.6

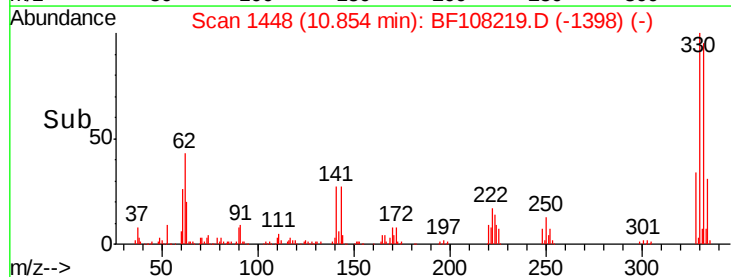
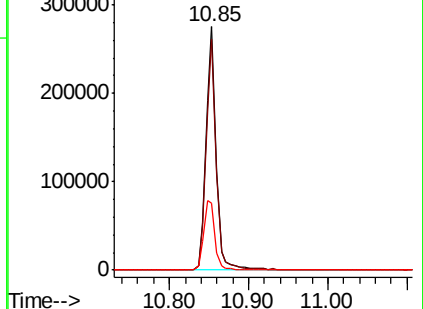
141 32.3 29.9 44.9

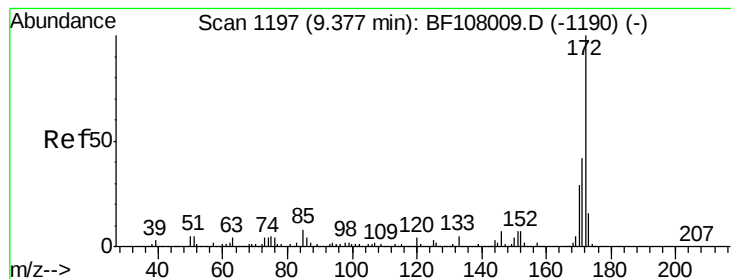


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 84.080 ng

RT: 9.37 min Scan# 1196

Delta R.T. -0.01 min

Lab File: BF108219.D

Acq: 17 Aug 2018 2:20

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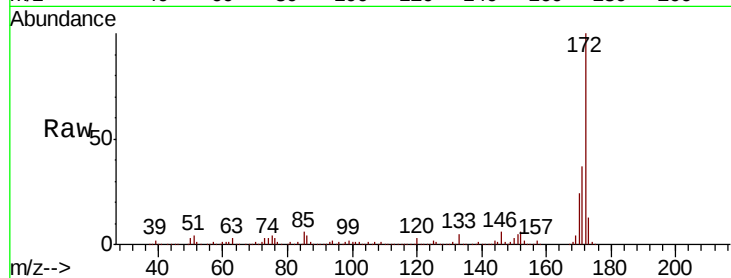
Tgt Ion:172 Resp: 1208215

Ion Ratio Lower Upper

172 100

171 36.8 29.7 44.5

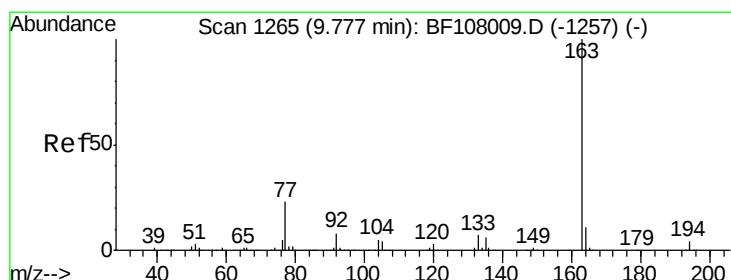
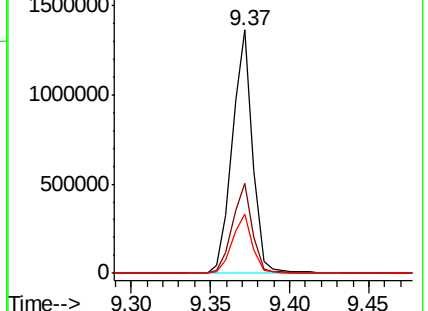
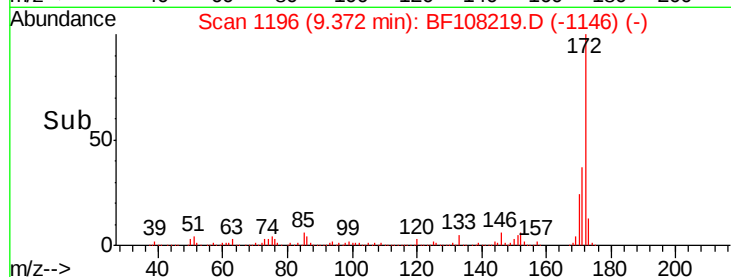
170 24.1 19.6 29.4



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



#49

Dimethylphthalate

Concen: 3.850 ng

RT: 9.76 min Scan# 1262

Delta R.T. -0.02 min

Lab File: BF108219.D

Acq: 17 Aug 2018 2:20

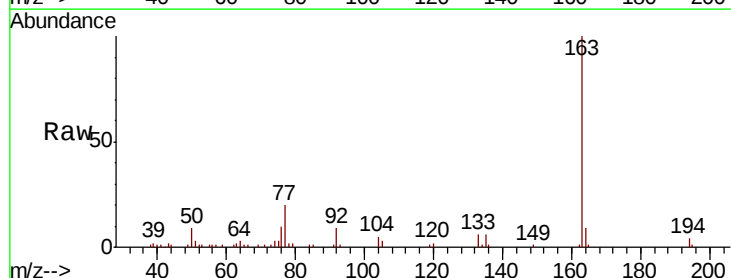
Tgt Ion:163 Resp: 61872

Ion Ratio Lower Upper

163 100

194 4.3 2.7 4.1#

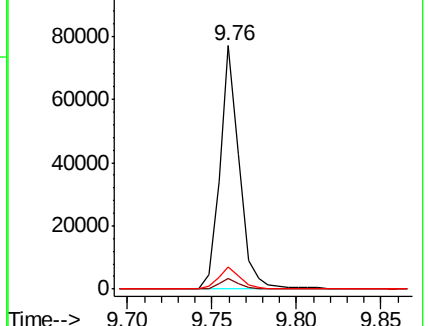
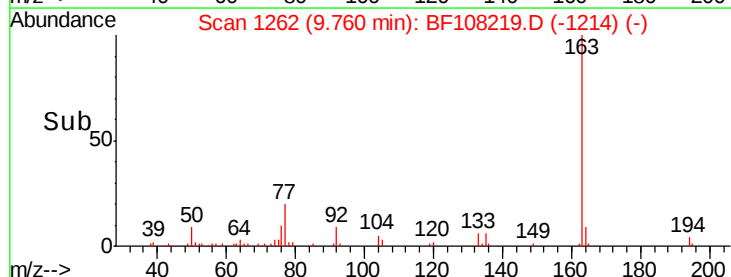
164 9.1 8.2 12.2

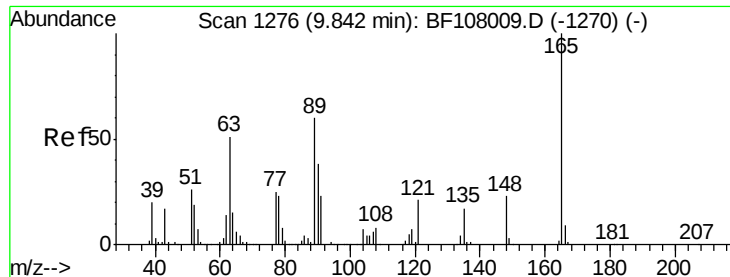


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

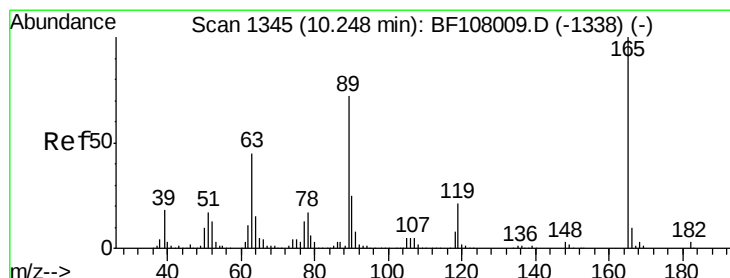
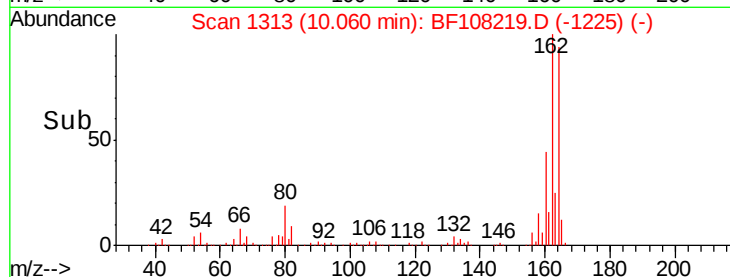
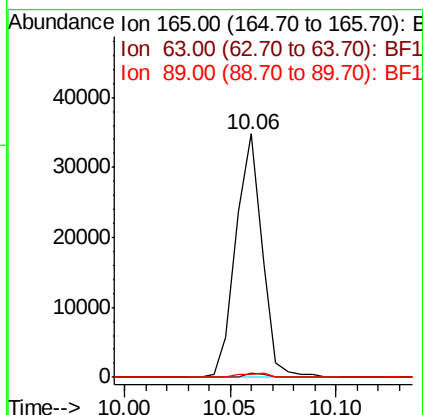
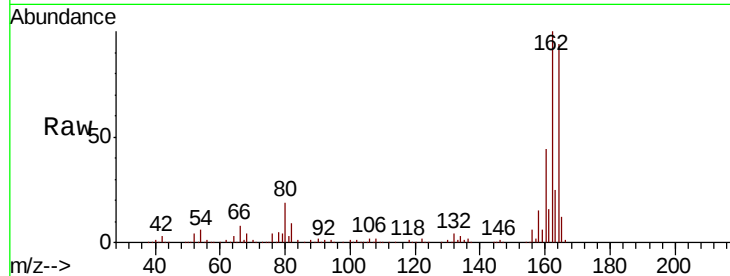




#50
 2,6-Dinitrotoluene
 Concen: 8.854 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. 0.22 min
 Lab File: BF108219.D
 Acq: 17 Aug 2018 2:20

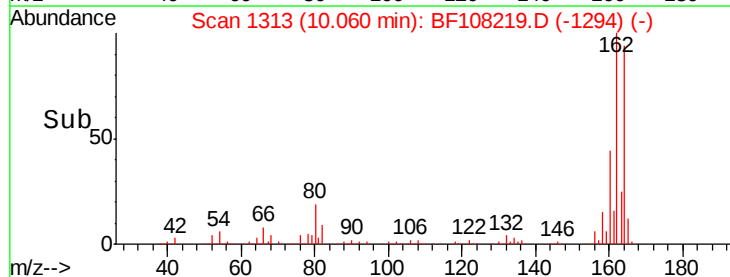
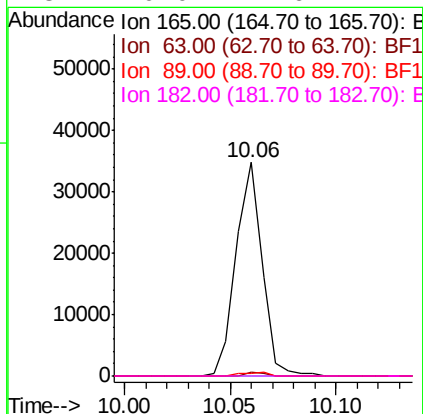
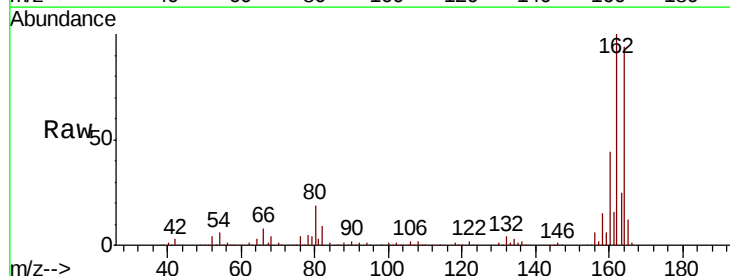
Instrument :
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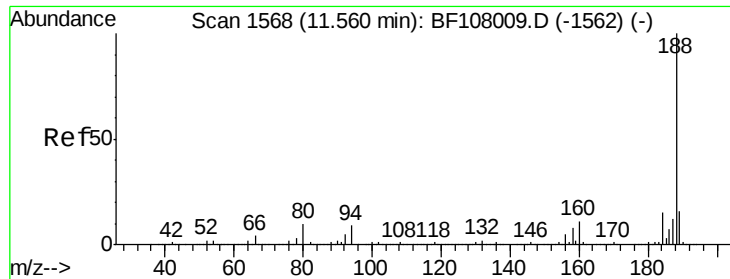
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	44.7	67.1#
89	1.3	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.879 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.19 min
 Lab File: BF108219.D
 Acq: 17 Aug 2018 2:20

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.55 min Scan# 1567

Delta R.T. -0.01 min

Lab File: BF108219.D

Acq: 17 Aug 2018 2:20

Instrument :

BNA_F

ClientSampleId :

RA-081318-FL-019

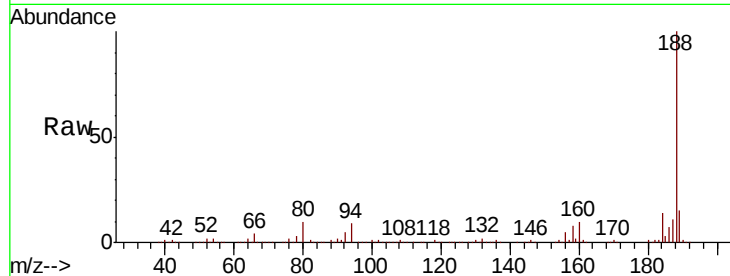
Tgt Ion:188 Resp: 418866

Ion Ratio Lower Upper

188 100

94 9.0 8.5 12.7

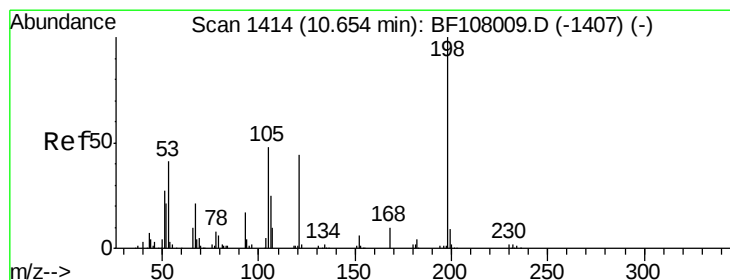
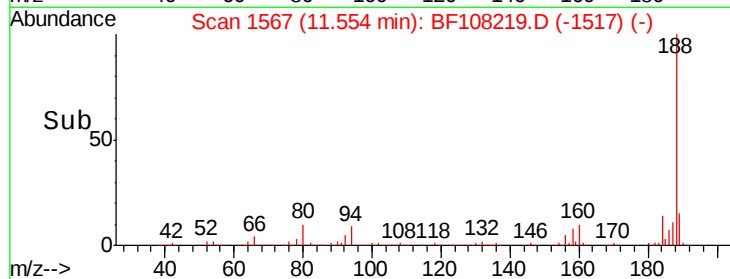
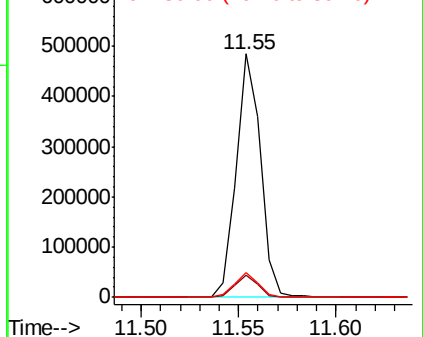
80 10.2 9.2 13.8



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: 5.589 ng

RT: 10.85 min Scan# 1448

Delta R.T. 0.20 min

Lab File: BF108219.D

Acq: 17 Aug 2018 2:20

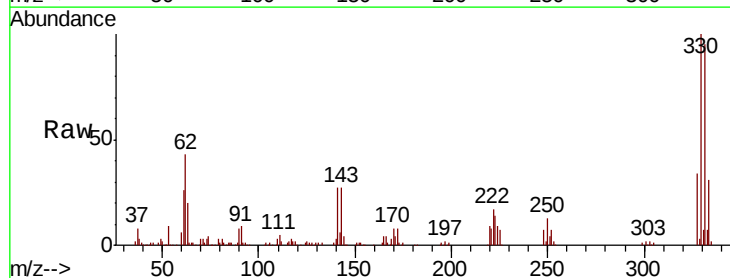
Tgt Ion:198 Resp: 408

Ion Ratio Lower Upper

198 100

51 205.2 37.7 77.7#

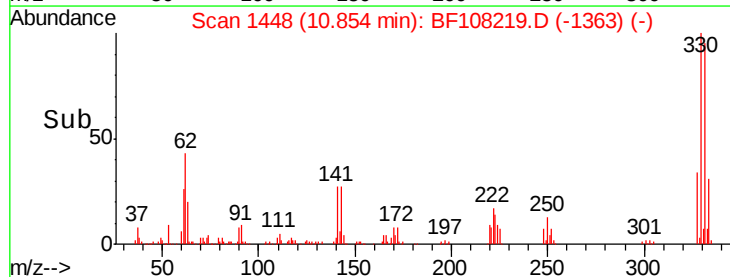
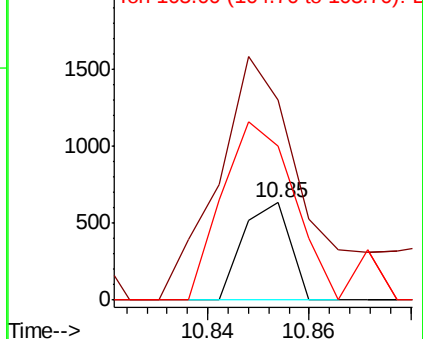
105 157.2 36.3 76.3#

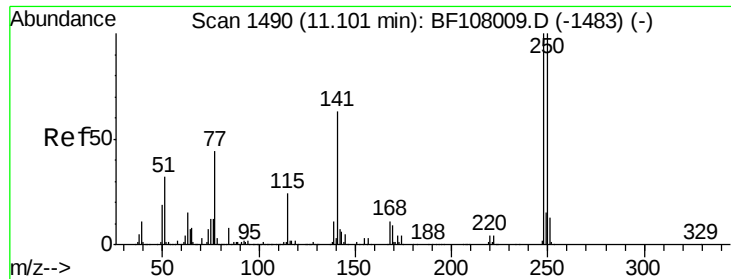


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

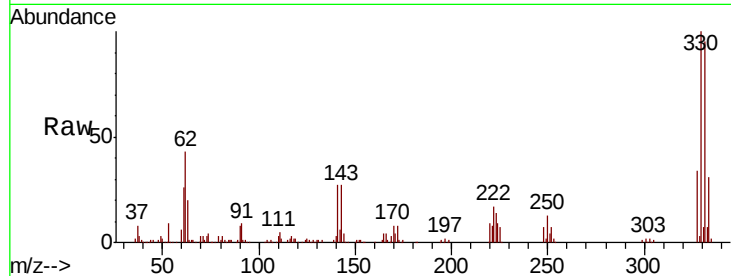




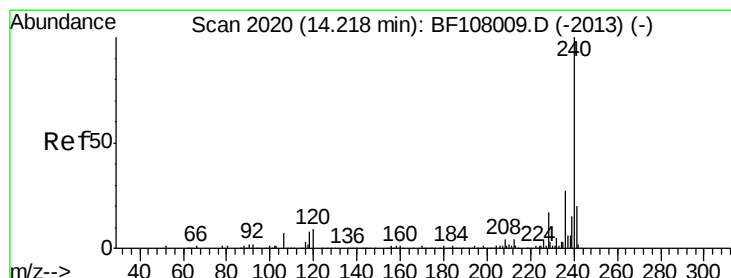
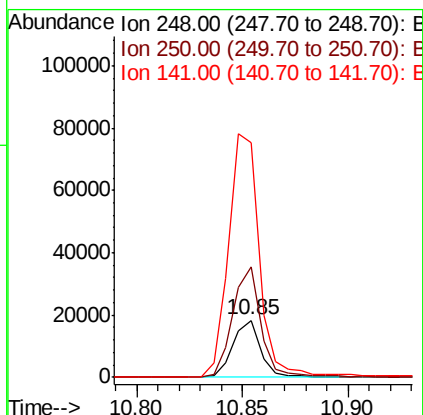
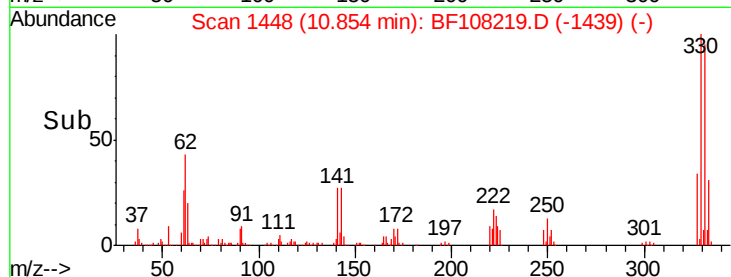
#66
 4-Bromophenyl-phenylether
 Concen: 3.627 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.25 min
 Lab File: BF108219.D
 Acq: 17 Aug 2018 2:20

Instrument :
 BNA_F
 ClientSampleId :
 RA-081318-FL-019

Tgt Ion:248 Resp: 16509
 Ion Ratio Lower Upper
 248 100
 250 193.8 76.9 115.3#
 141 412.3 74.4 111.6#

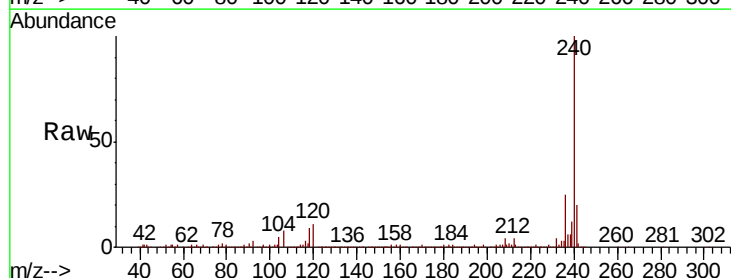


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

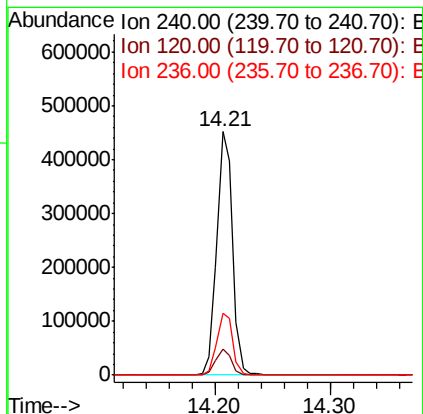
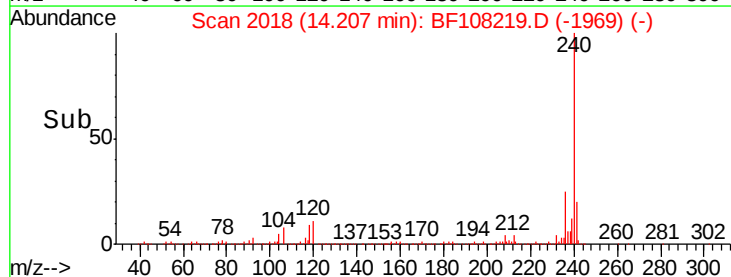


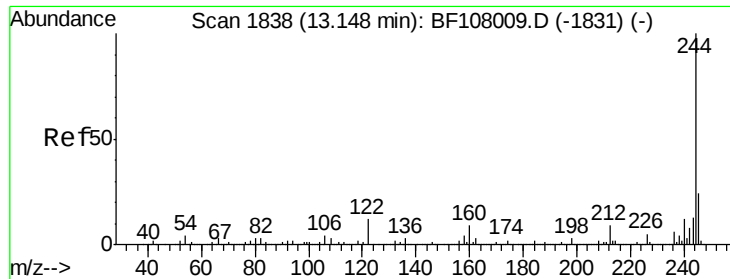
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.21 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BF108219.D
 Acq: 17 Aug 2018 2:20

Tgt Ion:240 Resp: 427769
 Ion Ratio Lower Upper
 240 100
 120 10.6 9.5 14.3
 236 25.3 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: 72.017 ng

RT: 13.14 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF108219.D

Acq: 17 Aug 2018 2:20

Instrument :

BNA_F

ClientSampleId :

RA-081318-FL-019

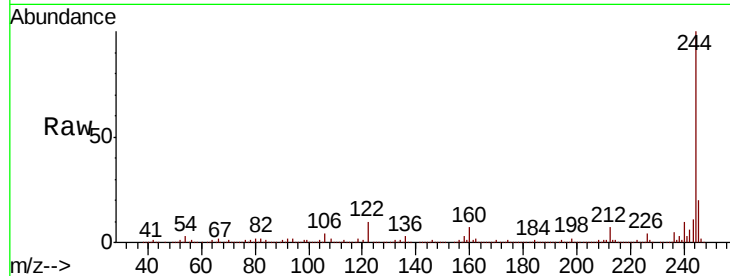
Tgt Ion:244 Resp: 1211630

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

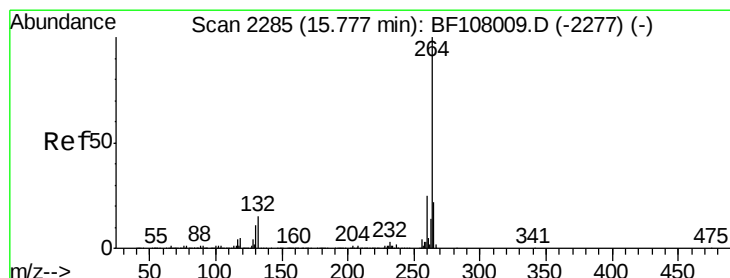
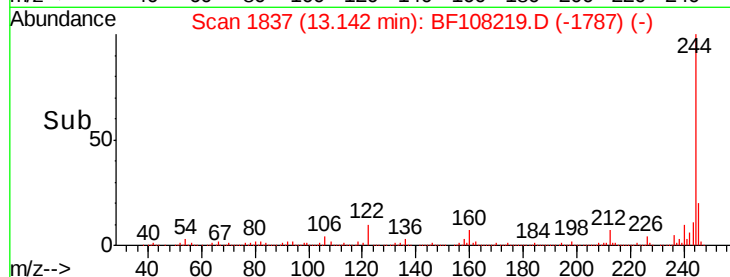
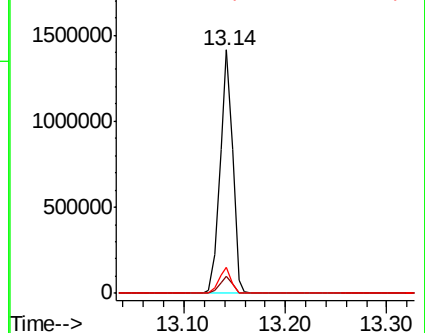
122 10.4 11.0 16.4#



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: 15.77 min Scan# 2284

Delta R.T. -0.01 min

Lab File: BF108219.D

Acq: 17 Aug 2018 2:20

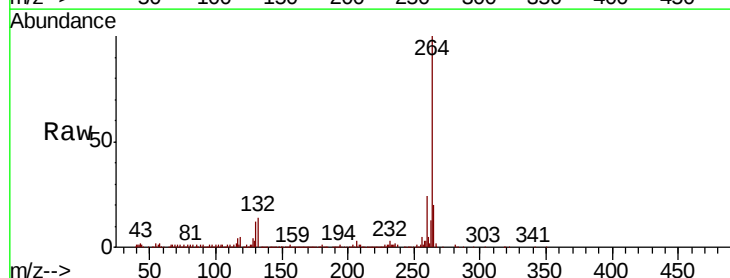
Tgt Ion:264 Resp: 304532

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 19.8 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

