

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081318\
 Data File : BF108128.D
 Acq On : 13 Aug 2018 20:43
 Operator : JU/SJ
 Sample : J4442-11
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-2

Quant Time: Aug 14 01:12:11 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

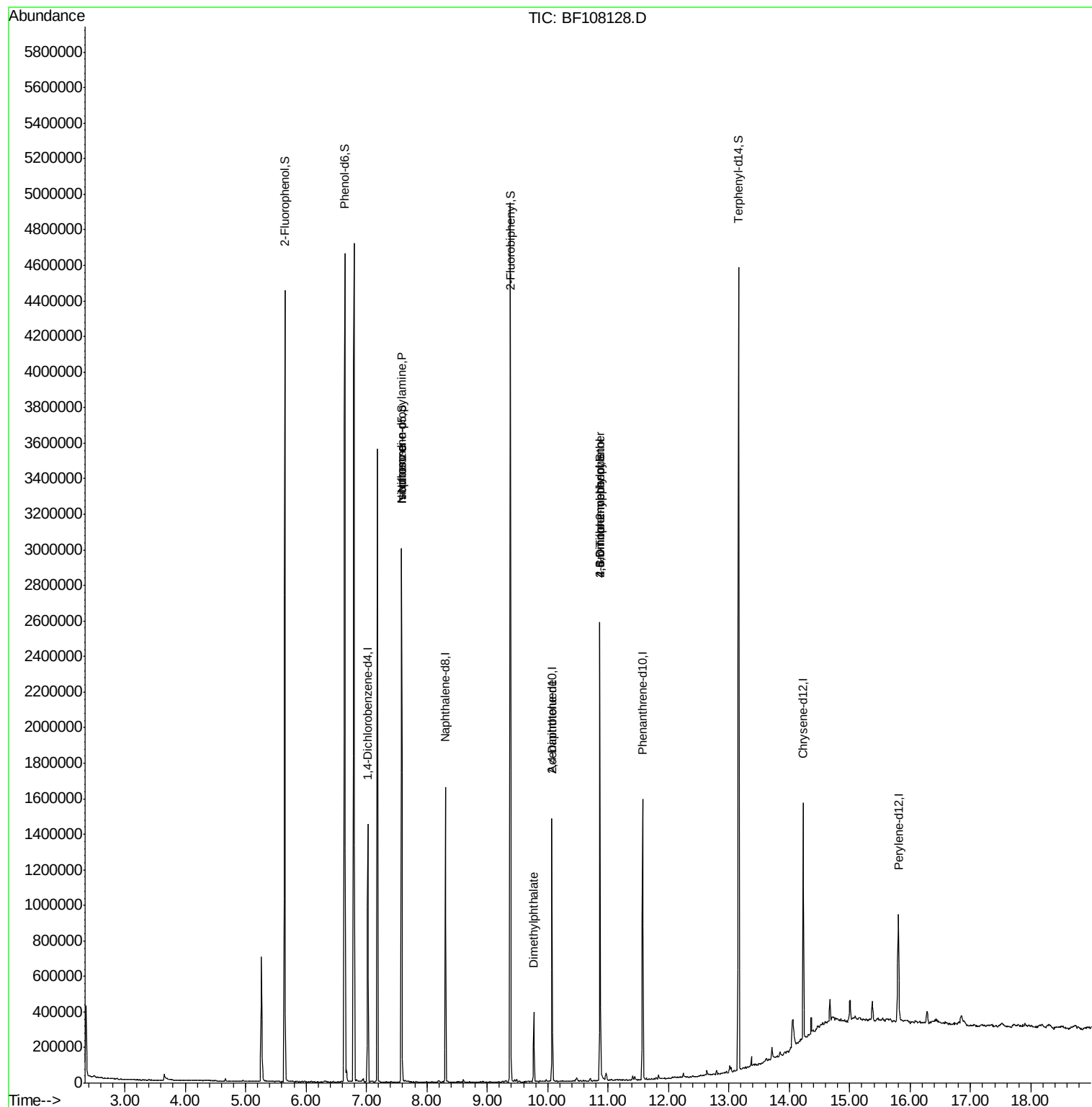
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	189007	20.00	ng	0.01
21) Naphthalene-d8	8.31	136	649052	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	273282	20.00	ng	0.00
63) Phenanthrene-d10	11.57	188	522496	20.00	ng	0.01
75) Chrysene-d12	14.23	240	438717	20.00	ng	0.01
86) Perylene-d12	15.81	264	291421	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	1121796	107.45	ng	0.02
7) Phenol-d6	6.64	99	1430938	103.15	ng	0.01
23) Nitrobenzene-d5	7.58	82	883683	75.97	ng	0.00
41) 2,4,6-Tribromophenol	10.87	330	294341	107.98	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	1443960	84.83	ng	0.00
78) Terphenyl-d14	13.16	244	1520788	88.14	ng	0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.58	70	118923	12.676	ng	# 86
25) Isophorone	7.58	82	883671	39.859	ng	# 64
49) Dimethylphthalate	9.77	163	132315	6.951	ng	99
56) 2,4-Dinitrotoluene	10.07	165	34582	6.746	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.87	198	641	5.649	ng	# 1
66) 4-Bromophenyl-phenylether	10.87	248	19047	3.354	ng	# 1

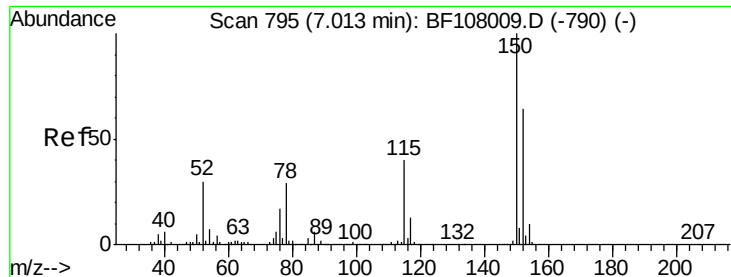
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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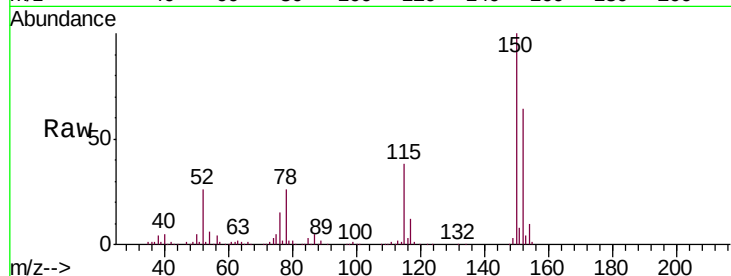


#1

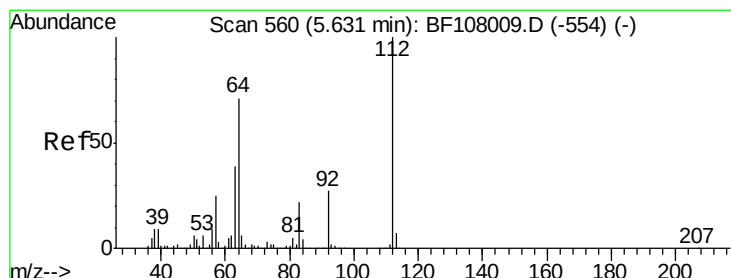
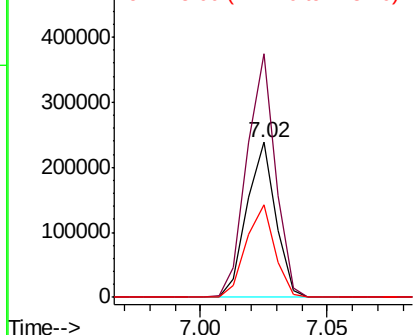
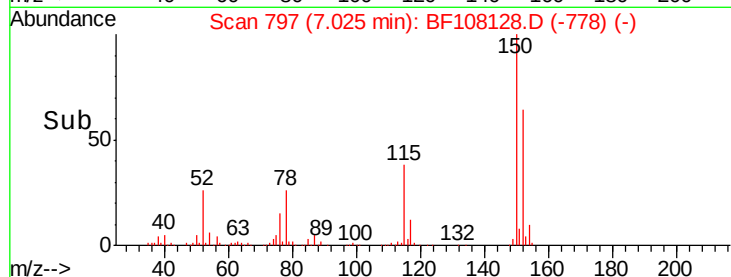
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 797
Delta R.T. 0.01 min
Lab File: BF108128.D
Acq: 13 Aug 2018 20:43

Instrument :
BNA_F
ClientSampled :
SP-1-2

Tgt Ion:152 Resp: 189007
Ion Ratio Lower Upper
152 100
150 157.1 124.6 186.8
115 59.4 50.1 75.1



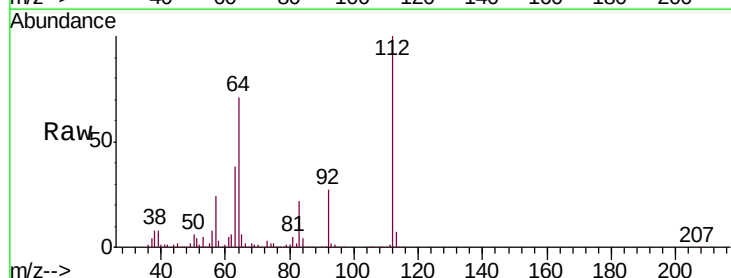
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



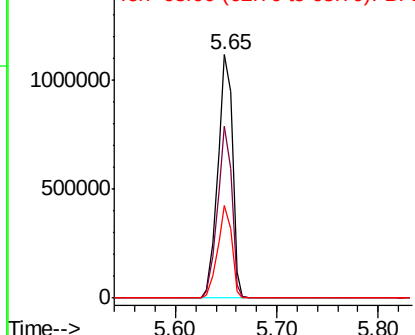
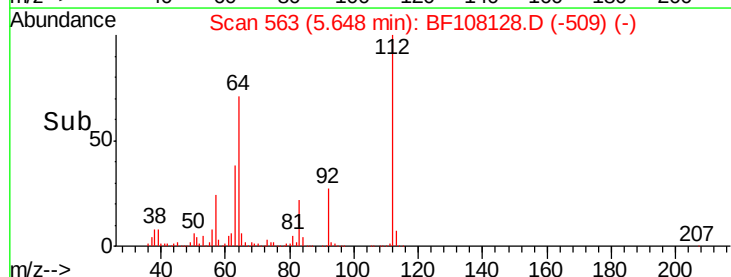
#5

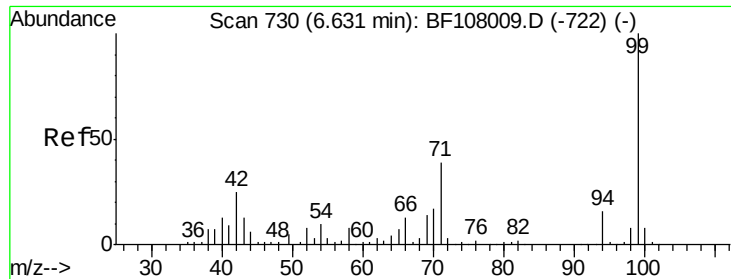
2-Fluorophenol
Concen: 107.454 ng
RT: 5.65 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF108128.D
Acq: 13 Aug 2018 20:43

Tgt Ion:112 Resp: 1121796
Ion Ratio Lower Upper
112 100
64 70.5 47.9 71.9
63 38.1 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: 103.145 ng

RT: 6.64 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF108128.D

Acq: 13 Aug 2018 20:43

Instrument :

BNA_F

ClientSampleId :

SP-1-2

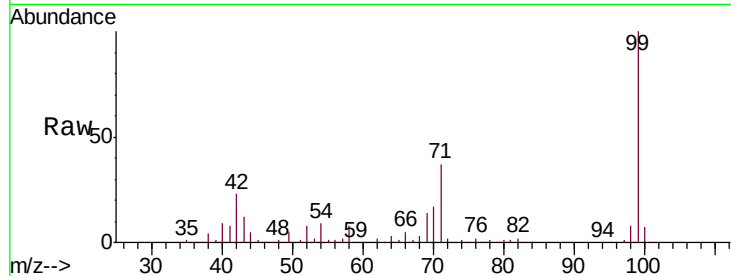
Tgt Ion: 99 Resp: 1430938

Ion Ratio Lower Upper

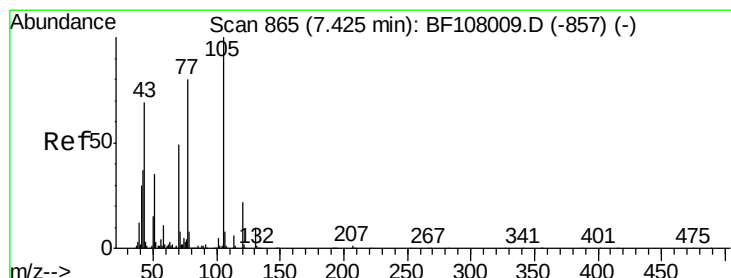
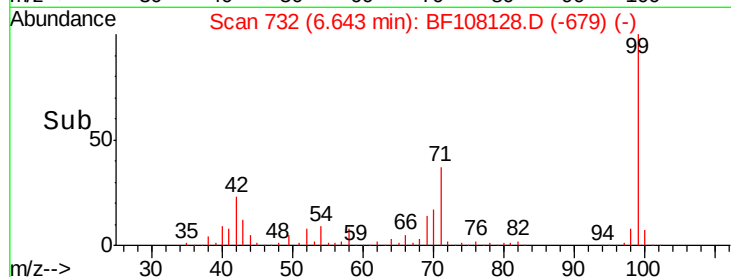
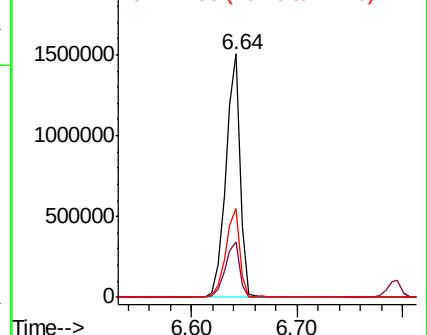
99 100

42 23.0 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



#19

n-Nitroso-di-n-propylamine

Concen: 12.676 ng

RT: 7.58 min Scan# 892

Delta R.T. 0.16 min

Lab File: BF108128.D

Acq: 13 Aug 2018 20:43

Tgt Ion: 70 Resp: 118923

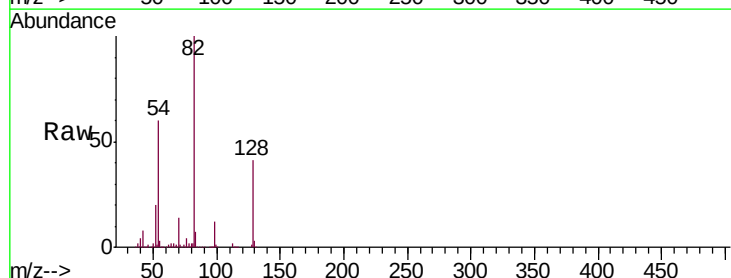
Ion Ratio Lower Upper

70 100

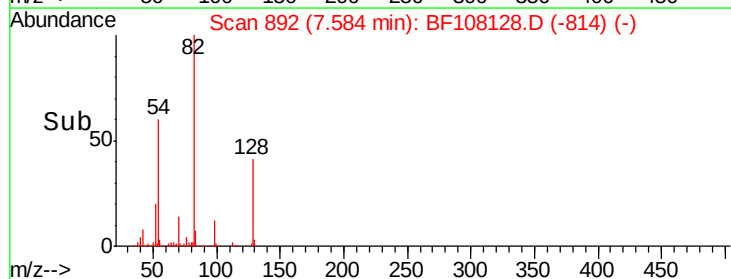
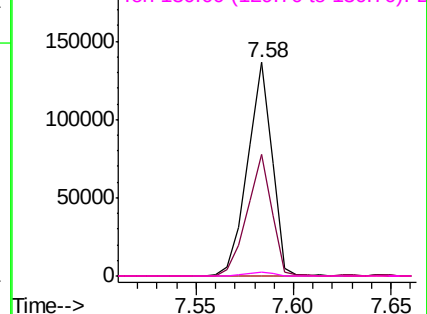
42 56.7 47.5 71.3

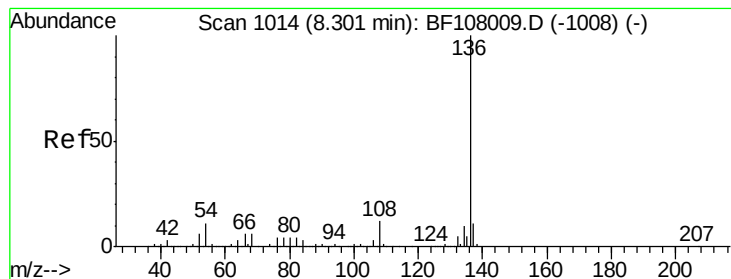
101 0.0 7.4 11.2#

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): E
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.31 min Scan# 1015

Delta R.T. 0.01 min

Lab File: BF108128.D

Acq: 13 Aug 2018 20:43

Instrument :

BNA_F

ClientSampleId :

SP-1-2

Tgt Ion: 136 Resp: 649052

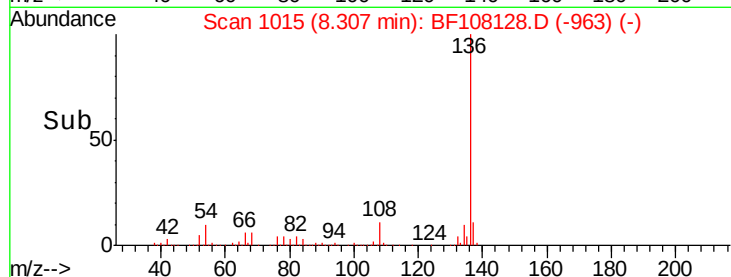
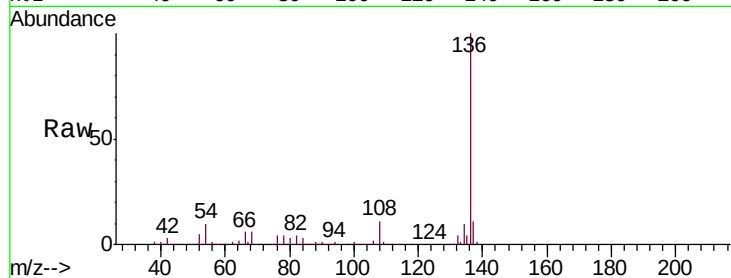
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 10.3 6.6 9.8#

68 6.4 5.0 7.4



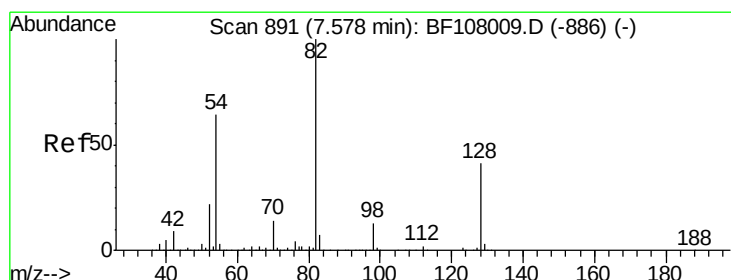
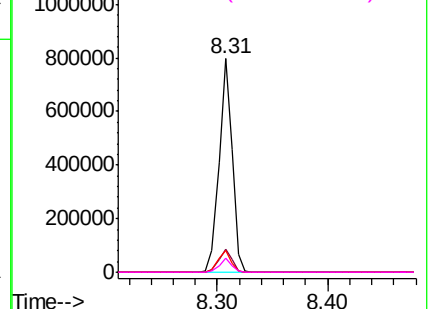
Abundance

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: 75.974 ng

RT: 7.58 min Scan# 892

Delta R.T. 0.01 min

Lab File: BF108128.D

Acq: 13 Aug 2018 20:43

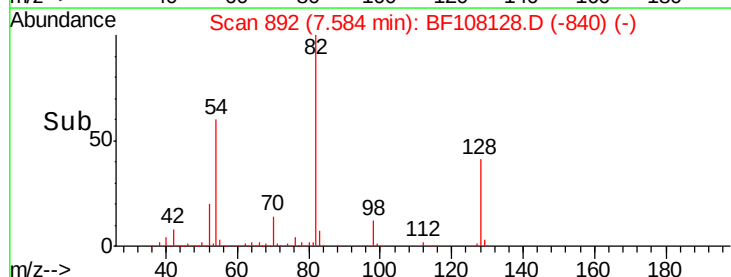
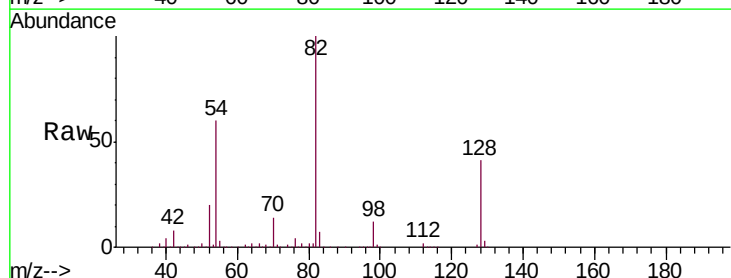
Tgt Ion: 82 Resp: 883683

Ion Ratio Lower Upper

82 100

128 41.4 36.1 54.1

54 59.9 41.4 62.2

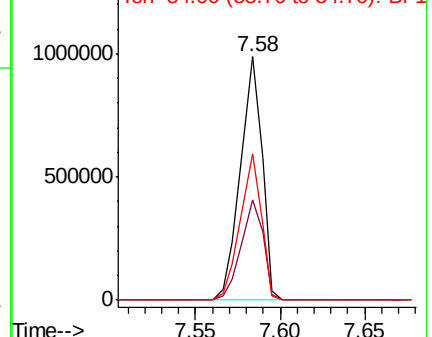


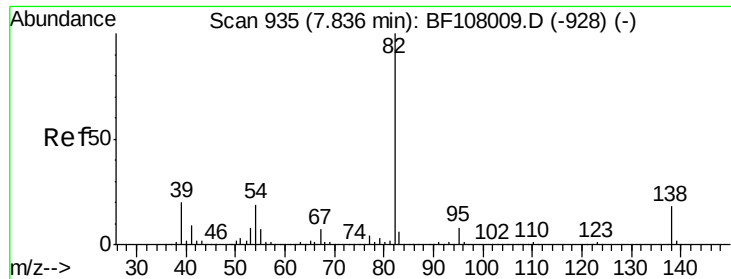
Abundance

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: 39.859 ng

RT: 7.58 min Scan# 892

Delta R.T. -0.25 min

Lab File: BF108128.D

Acq: 13 Aug 2018 20:43

Instrument :

BNA_F

ClientSampleId :

SP-1-2

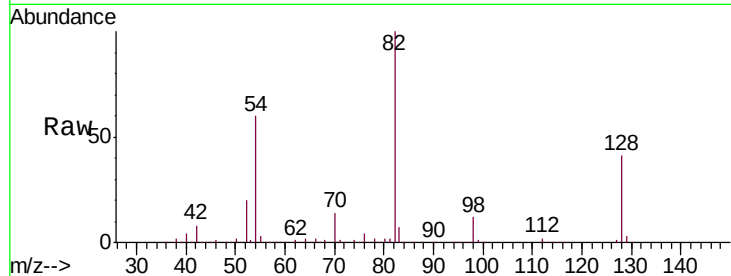
Tgt Ion: 82 Resp: 883671

Ion Ratio Lower Upper

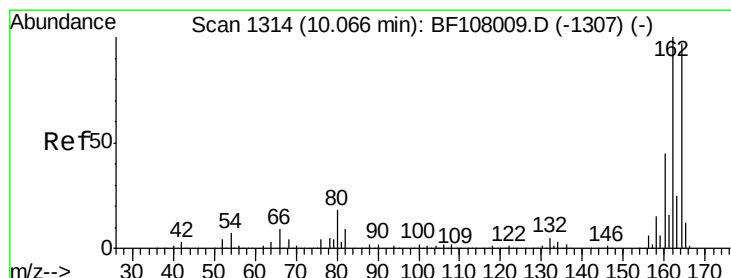
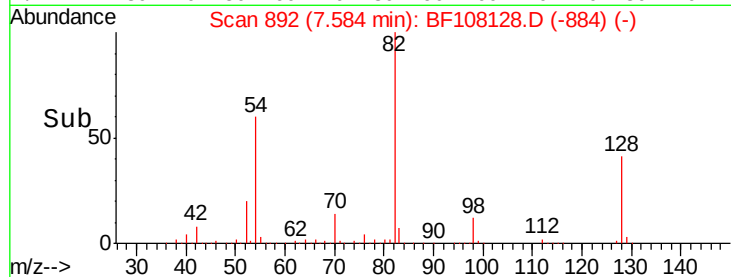
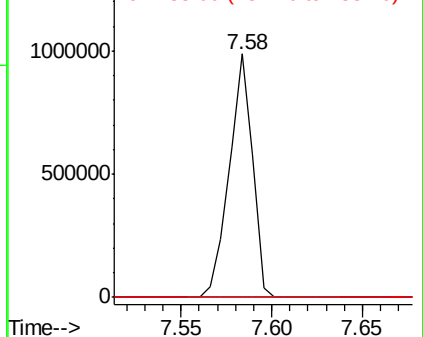
82 100

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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.07 min Scan# 1315

Delta R.T. 0.01 min

Lab File: BF108128.D

Acq: 13 Aug 2018 20:43

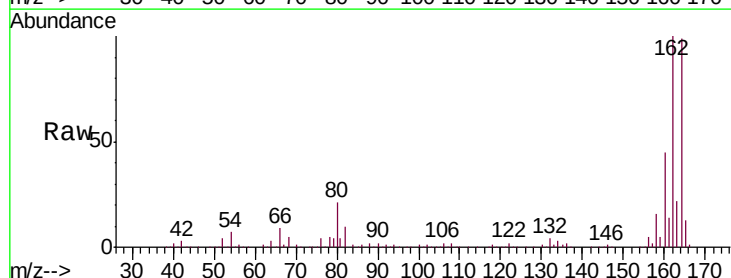
Tgt Ion: 164 Resp: 273282

Ion Ratio Lower Upper

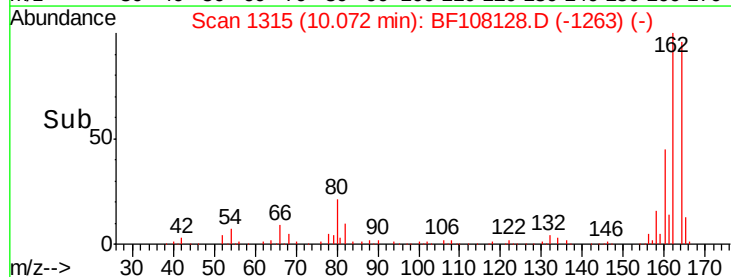
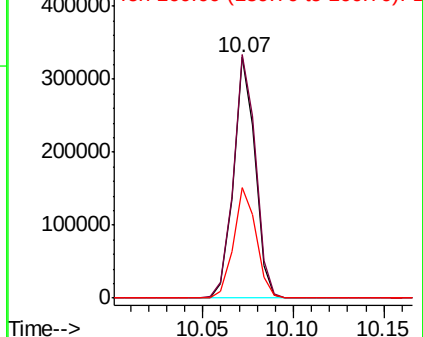
164 100

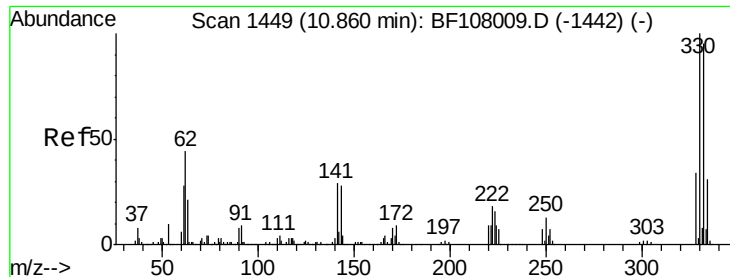
162 101.1 86.1 129.1

160 45.8 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

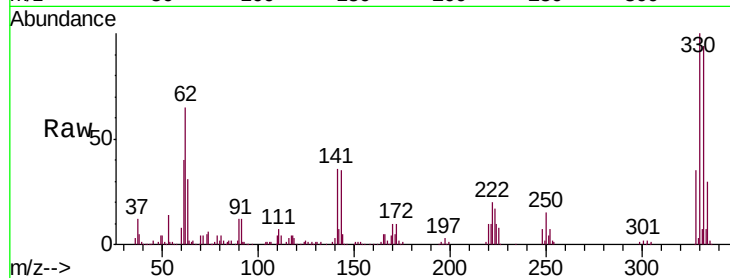




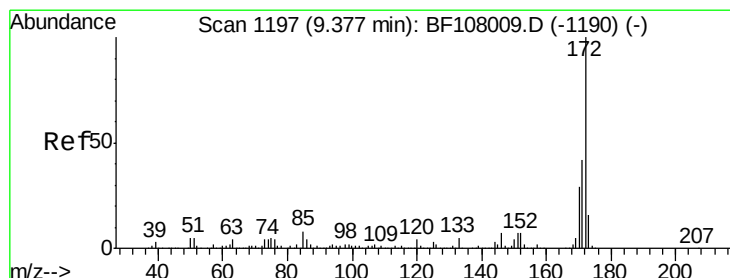
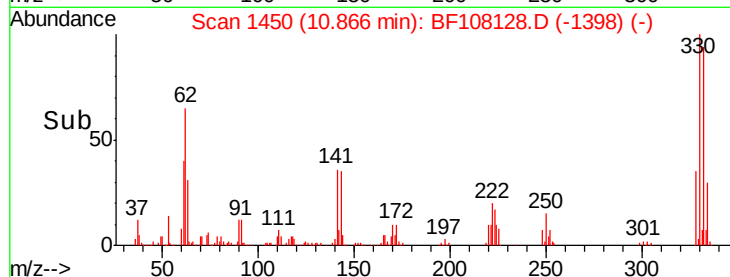
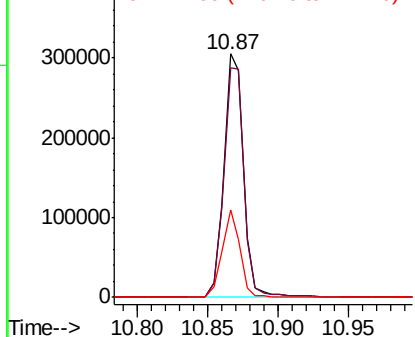
#41
 2,4,6-Tribromophenol
 Concen: 107.979 ng
 RT: 10.87 min Scan# 1450
 Delta R.T. 0.01 min
 Lab File: BF108128.D
 Acq: 13 Aug 2018 20:43

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-2

Tgt Ion:330 Resp: 294341
 Ion Ratio Lower Upper
 330 100
 332 97.7 77.0 115.6
 141 33.0 29.9 44.9

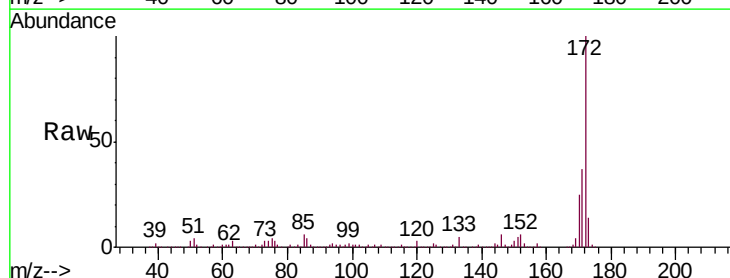


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

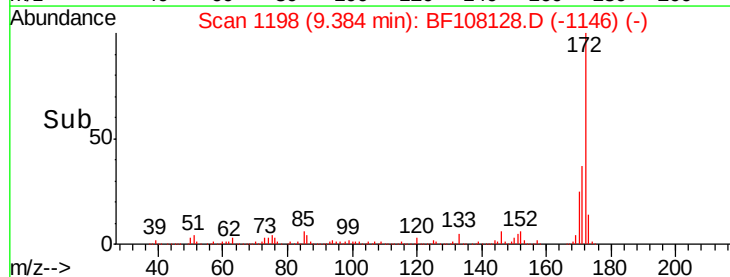
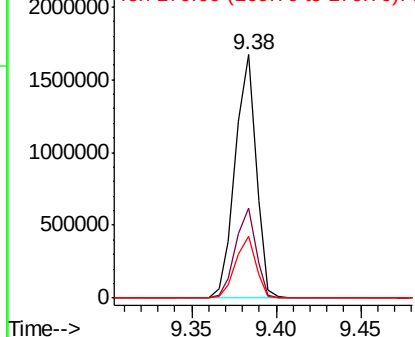


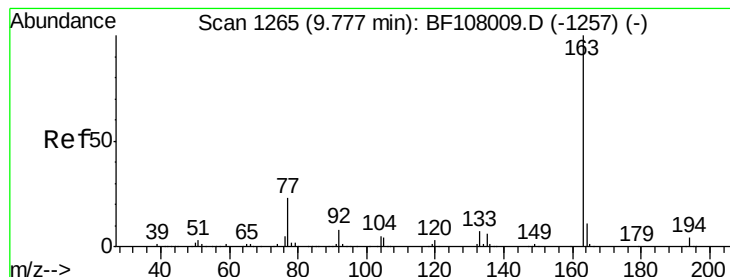
#44
 2-Fluorobiphenyl
 Concen: 84.829 ng
 RT: 9.38 min Scan# 1198
 Delta R.T. 0.01 min
 Lab File: BF108128.D
 Acq: 13 Aug 2018 20:43

Tgt Ion:172 Resp: 1443960
 Ion Ratio Lower Upper
 172 100
 171 37.2 29.7 44.5
 170 25.4 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: 6.951 ng

RT: 9.77 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BF108128.D

Acq: 13 Aug 2018 20:43

Instrument :

BNA_F

ClientSampleId :

SP-1-2

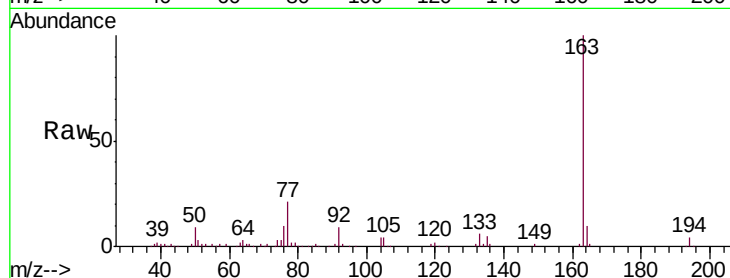
Tgt Ion:163 Resp: 132315

Ion Ratio Lower Upper

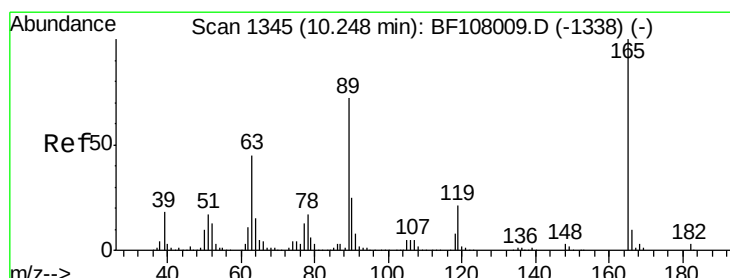
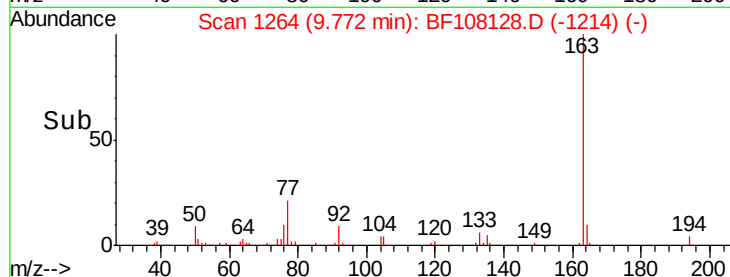
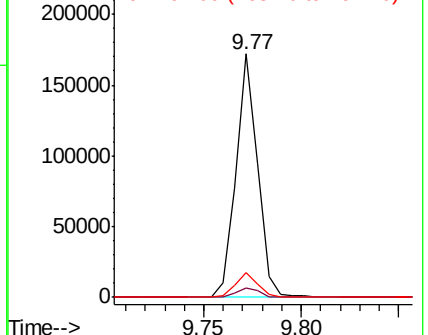
163 100

194 4.0 2.7 4.1

164 10.0 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: 6.746 ng

RT: 10.07 min Scan# 1315

Delta R.T. -0.18 min

Lab File: BF108128.D

Acq: 13 Aug 2018 20:43

Tgt Ion:165 Resp: 34582

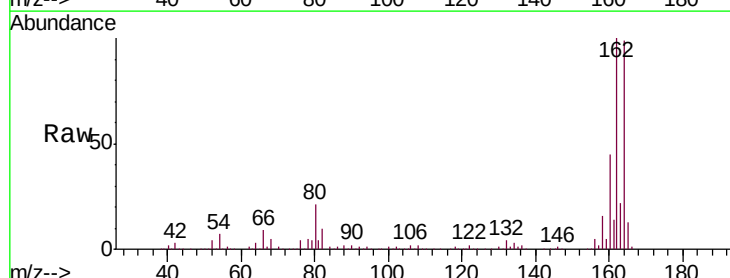
Ion Ratio Lower Upper

165 100

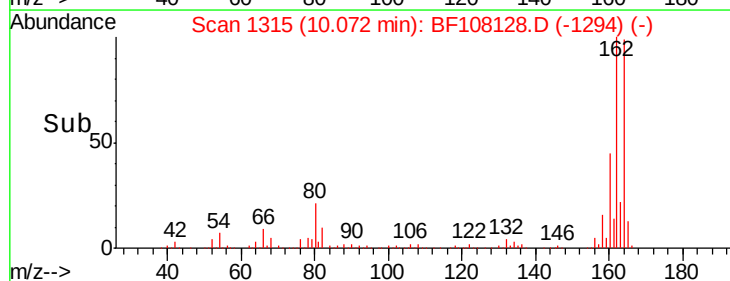
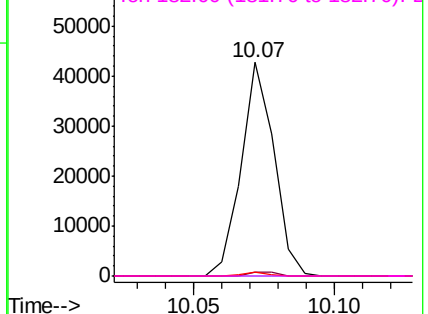
63 1.6 36.4 54.6#

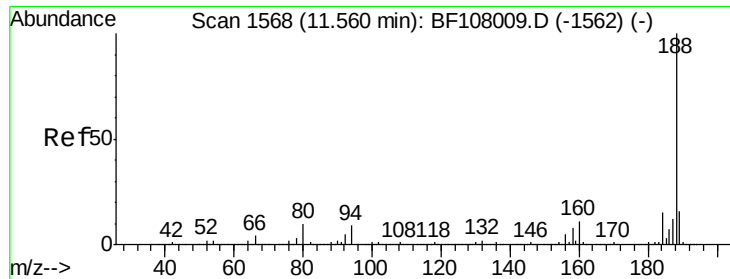
89 1.8 57.8 86.6#

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

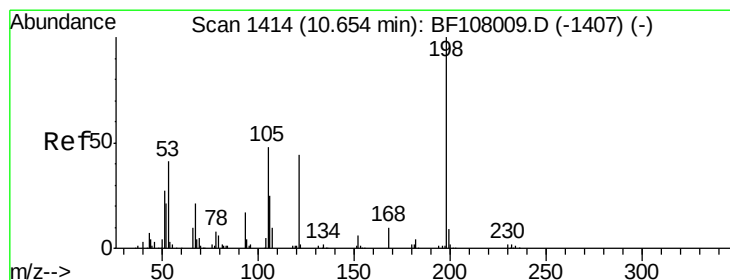
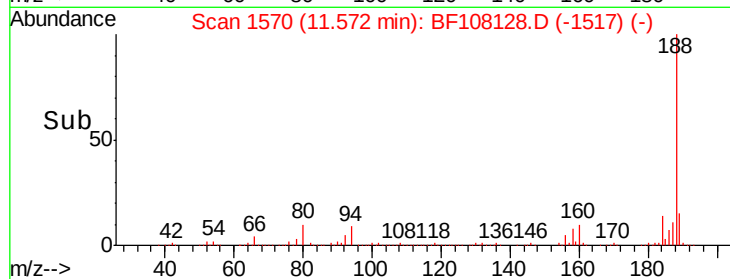
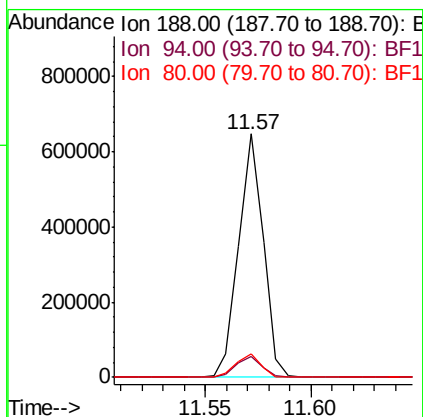
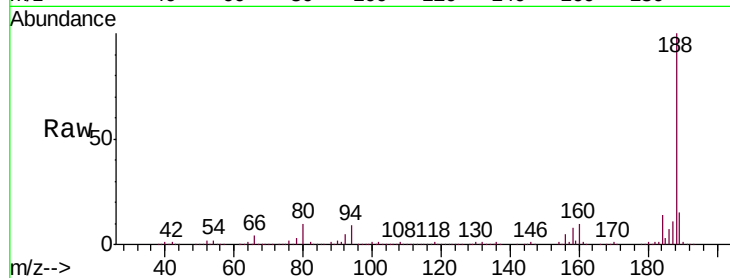




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.57 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: BF108128.D
 Acq: 13 Aug 2018 20:43

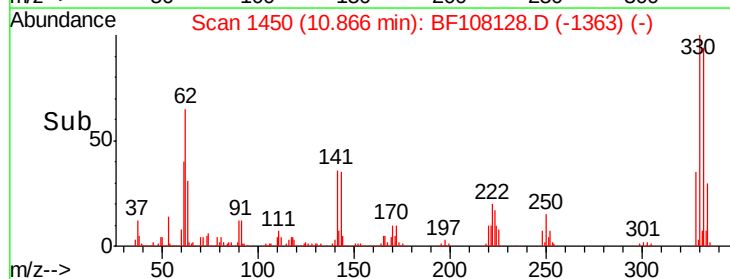
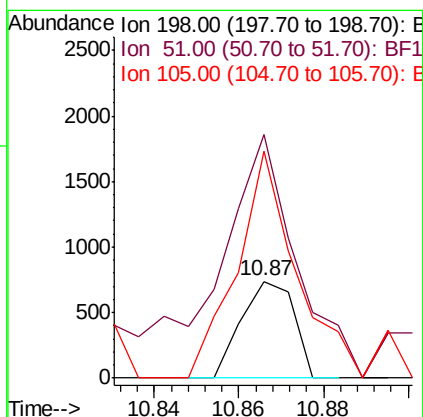
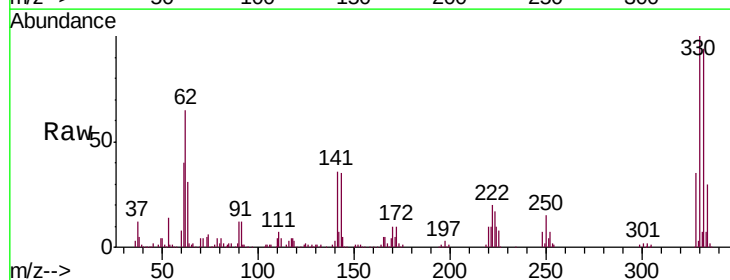
Instrument :
 BNA_F
 ClientSampled :
 SP-1-2

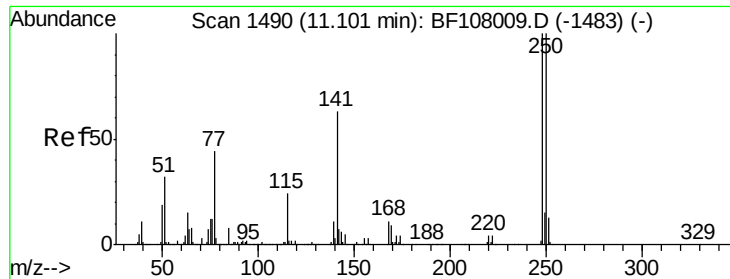
Tgt Ion:188 Resp: 522496
 Ion Ratio Lower Upper
 188 100
 94 8.7 8.5 12.7
 80 9.8 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.649 ng
 RT: 10.87 min Scan# 1450
 Delta R.T. 0.21 min
 Lab File: BF108128.D
 Acq: 13 Aug 2018 20:43

Tgt Ion:198 Resp: 641
 Ion Ratio Lower Upper
 198 100
 51 251.8 37.7 77.7#
 105 234.6 36.3 76.3#

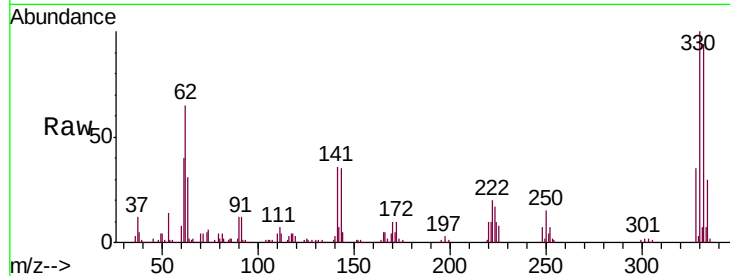




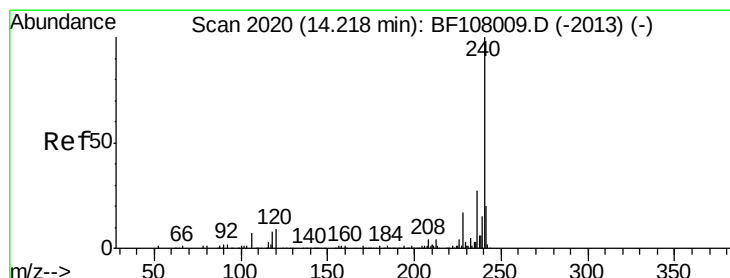
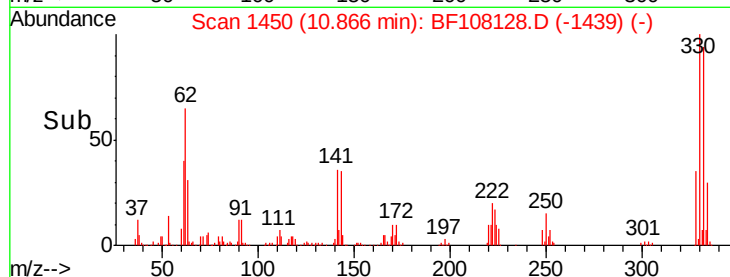
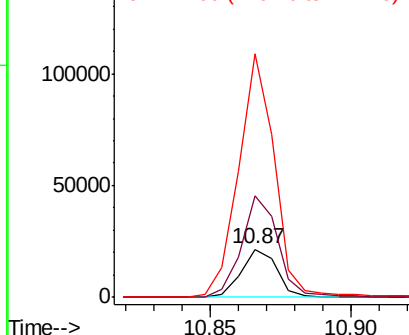
#66
4-Bromophenyl-phenylether
Concen: 3.354 ng
RT: 10.87 min Scan# 1450
Delta R.T. -0.24 min
Lab File: BF108128.D
Acq: 13 Aug 2018 20:43

Instrument :
BNA_F
ClientSampleId :
SP-1-2

Tgt Ion:248 Resp: 19047
Ion Ratio Lower Upper
248 100
250 210.4 76.9 115.3#
141 505.5 74.4 111.6#

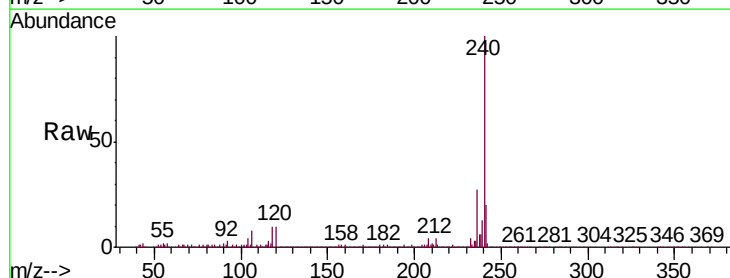


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

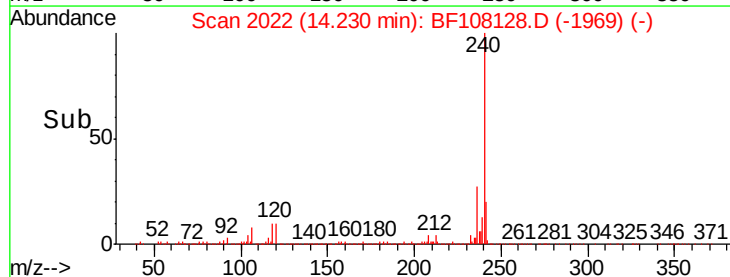
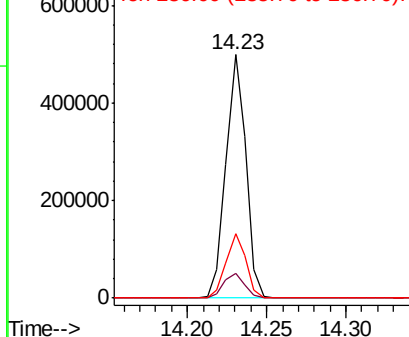


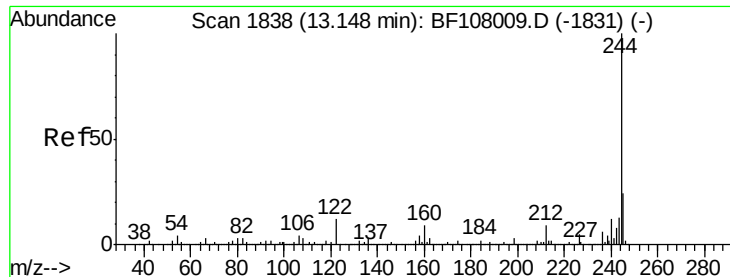
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.23 min Scan# 2022
Delta R.T. 0.01 min
Lab File: BF108128.D
Acq: 13 Aug 2018 20:43

Tgt Ion:240 Resp: 438717
Ion Ratio Lower Upper
240 100
120 10.0 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: 88.137 ng

RT: 13.16 min Scan# 1840

Delta R.T. 0.01 min

Lab File: BF108128.D

Acq: 13 Aug 2018 20:43

Instrument :

BNA_F

ClientSampleId :

SP-1-2

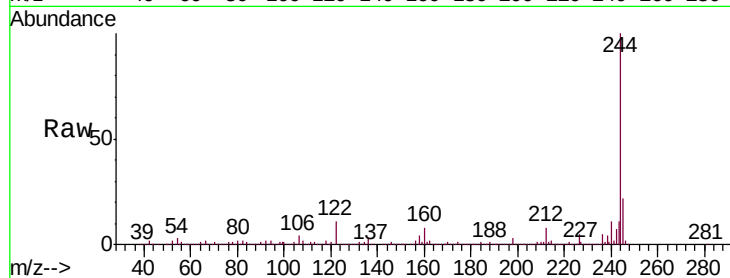
Tgt Ion:244 Resp: 1520788

Ion Ratio Lower Upper

244 100

212 7.6 5.4 8.0

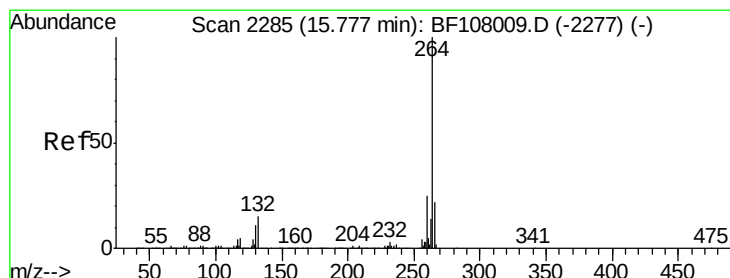
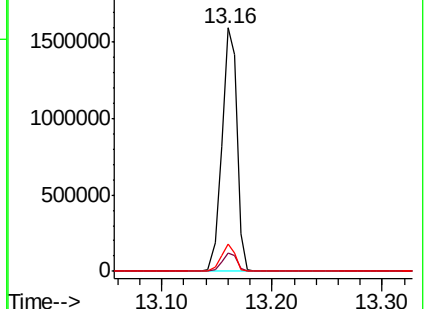
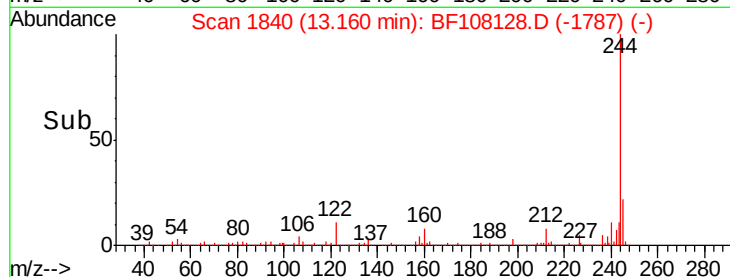
122 11.4 11.0 16.4



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: 15.81 min Scan# 2290

Delta R.T. 0.03 min

Lab File: BF108128.D

Acq: 13 Aug 2018 20:43

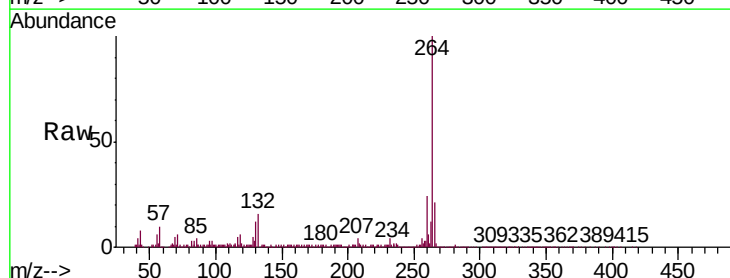
Tgt Ion:264 Resp: 291421

Ion Ratio Lower Upper

264 100

260 24.4 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

