

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010419\
 Data File : BF111858.D
 Acq On : 4 Jan 2019 21:24
 Operator : JU/SJ
 Sample : K1036-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 04 23:33:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

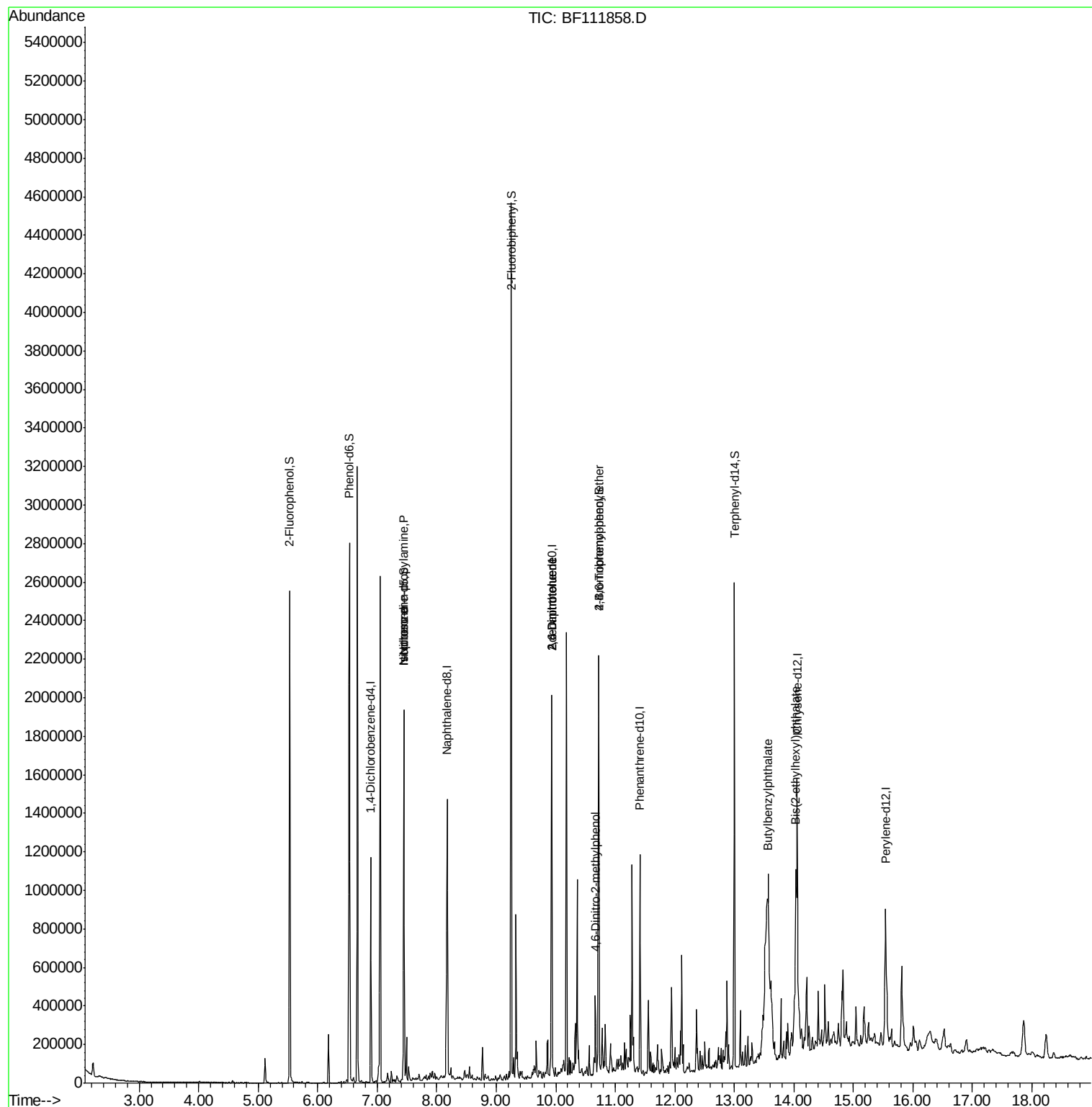
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	151344	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	600330	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	321660	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	372900	20.00	ng	0.00
76) Chrysene-d12	14.06	240	329621	20.00	ng	0.00
87) Perylene-d12	15.54	264	283305	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	694210	78.19	ng	0.01
7) Phenol-d6	6.53	99	886042	78.41	ng	0.01
23) Nitrobenzene-d5	7.45	82	570003	55.27	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	266244	70.05	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1348576	61.11	ng	0.00
79) Terphenyl-d14	13.00	244	821873	47.29	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.45	70	76050	10.134	ng	# 77
25) Isophorone	7.45	82	567730	31.007	ng	# 64
51) 2,6-Dinitrotoluene	9.93	165	42385	9.037	ng	# 32
57) 2,4-Dinitrotoluene	9.93	165	42385	7.519	ng	# 27
65) 4,6-Dinitro-2-methylphenol	10.66	198	384	6.907	ng	# 57
67) 4-Bromophenyl-phenylether	10.72	248	15762	3.408	ng	# 1
80) Butylbenzylphthalate	13.56	149	30472	3.212	ng	# 1
84) Bis(2-ethylhexyl)phthalate	14.03	149	59285	4.960	ng	# 93

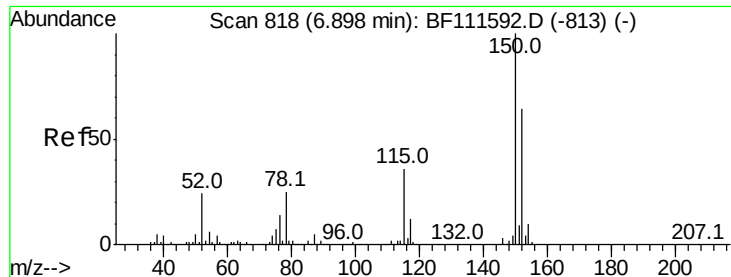
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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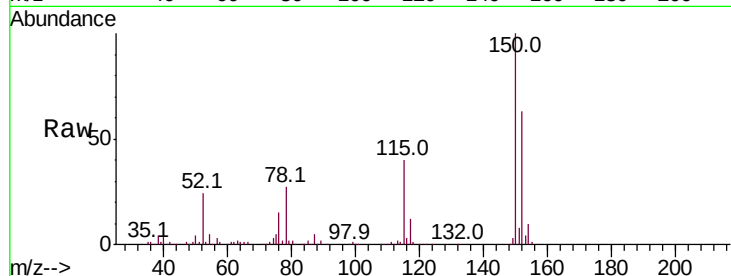


#1

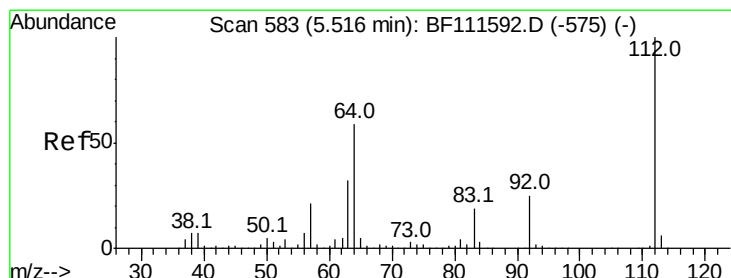
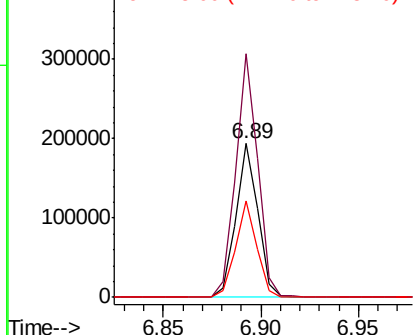
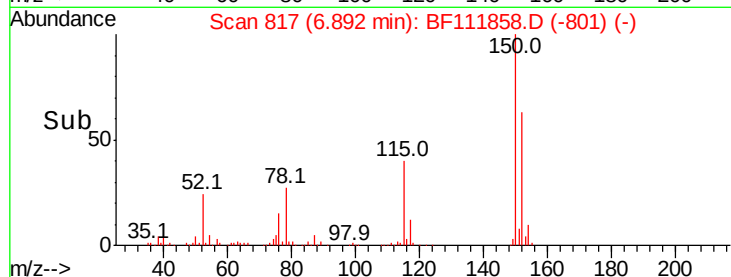
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF111858.D
Acq: 4 Jan 2019 21:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 151344
Ion Ratio Lower Upper
152 100
150 158.5 126.6 189.8
115 62.8 50.7 76.1



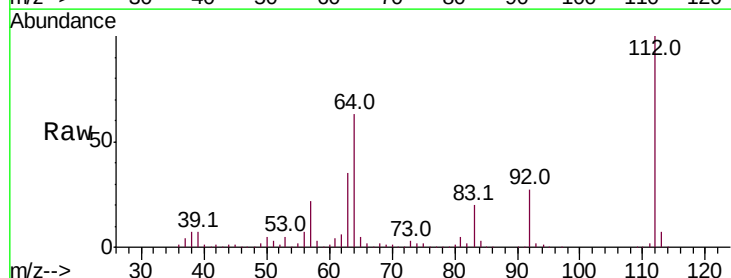
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



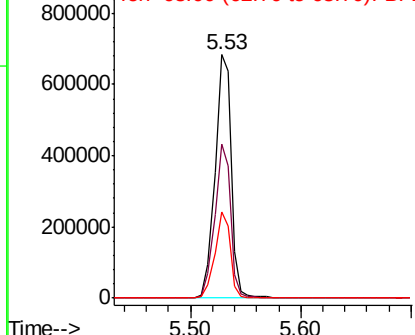
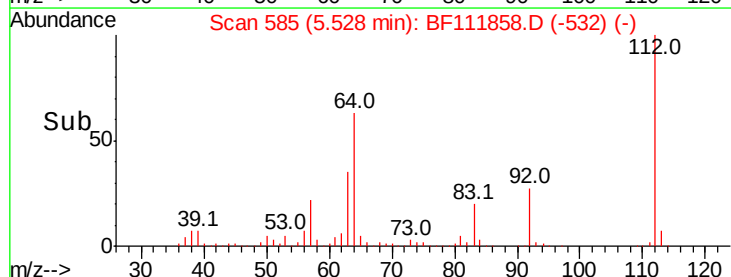
#5

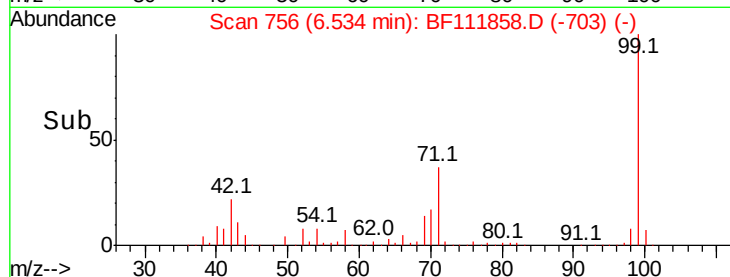
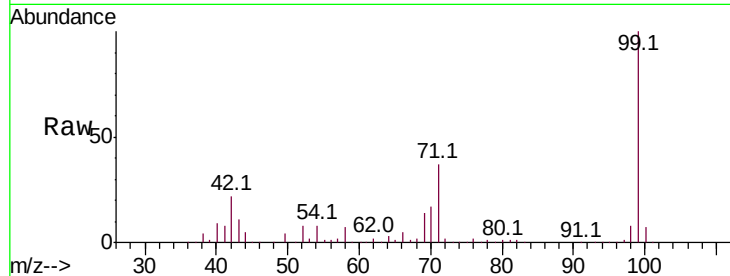
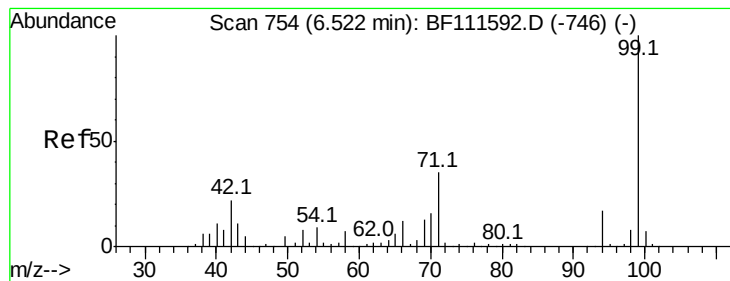
2-Fluorophenol
Concen: 78.186 ng
RT: 5.53 min Scan# 585
Delta R.T. 0.01 min
Lab File: BF111858.D
Acq: 4 Jan 2019 21:24

Tgt Ion:112 Resp: 694210
Ion Ratio Lower Upper
112 100
64 63.3 51.8 77.6
63 35.3 26.8 40.2



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: 78.413 ng

RT: 6.53 min Scan# 756

Delta R.T. 0.01 min

Lab File: BF111858.D

Acq: 4 Jan 2019 21:24

Instrument :

BNA_G

ClientSampleId :

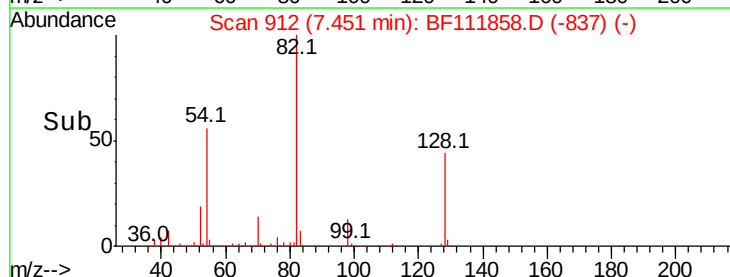
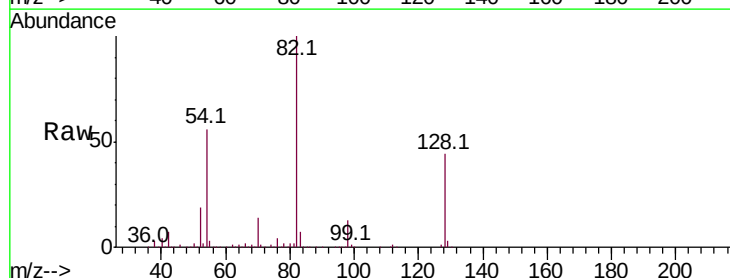
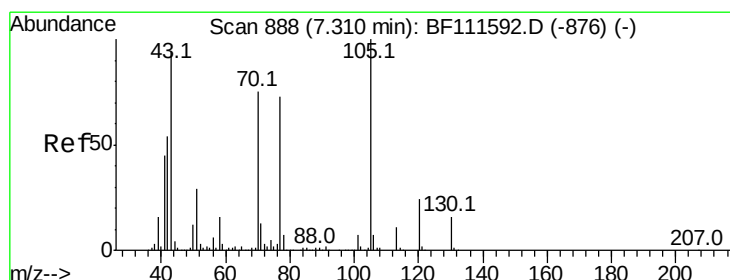
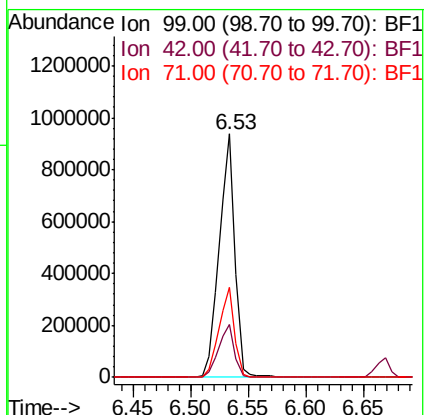
Tot Ion: 99 Resp: 886042

Ion Ratio Lower Upper

99 100

42 21.7 17.4 26.0

71 37.1 26.1 39.1



#19

n-Nitroso-di-n-propylamine

Concen: 10.134 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF111858.D

Acq: 4 Jan 2019 21:24

Tgt Ion: 70 Resp: 76050

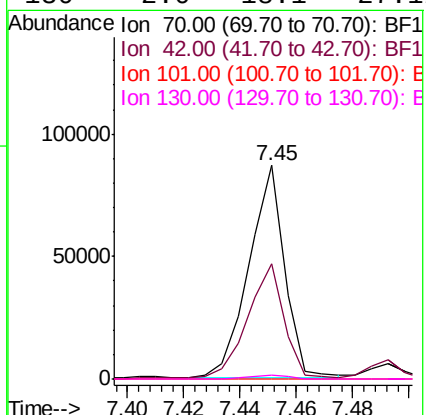
Ion Ratio Lower Upper

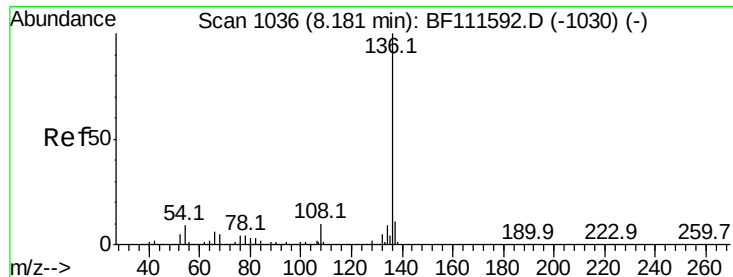
70 100

42 53.8 53.2 79.8

101 0.0 8.2 12.4#

130 2.0 18.1 27.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF111858.D

Acq: 4 Jan 2019 21:24

Instrument :

BNA_G

ClientSampled :

Tot Ion:136 Resp: 600330

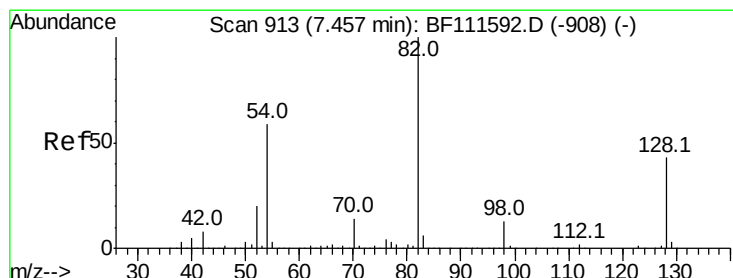
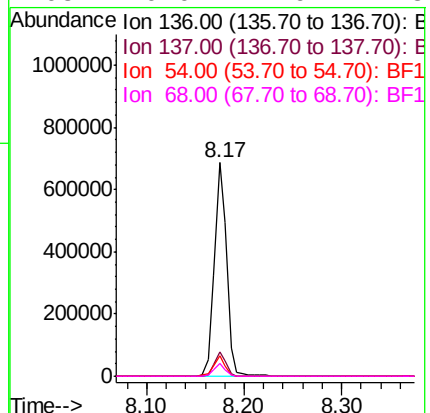
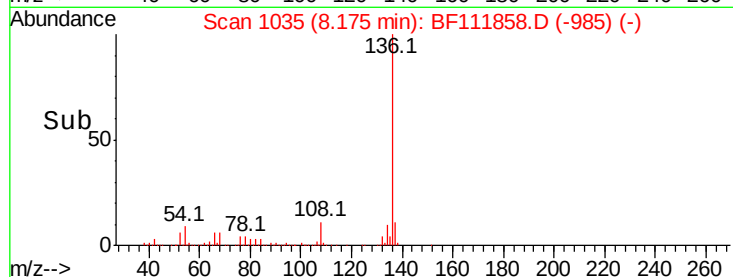
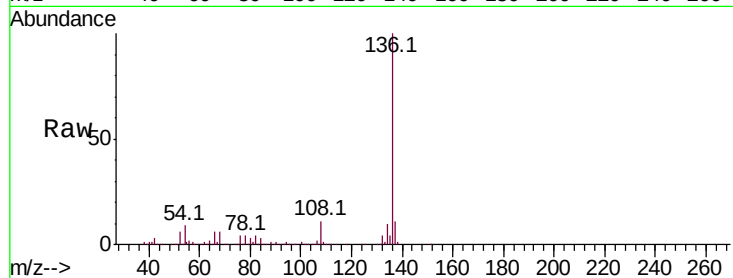
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 9.4 7.7 11.5

68 6.0 4.9 7.3



#23

Nitrobenzene-d5

Concen: 55.267 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF111858.D

Acq: 4 Jan 2019 21:24

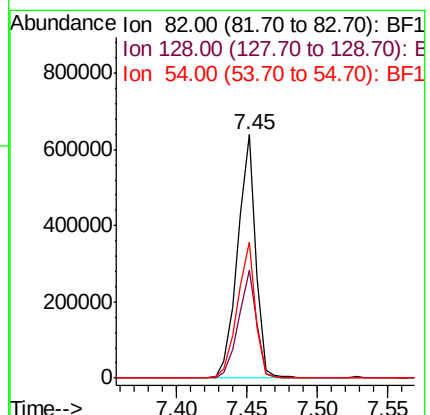
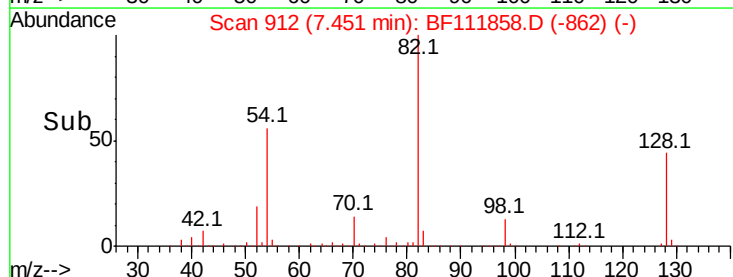
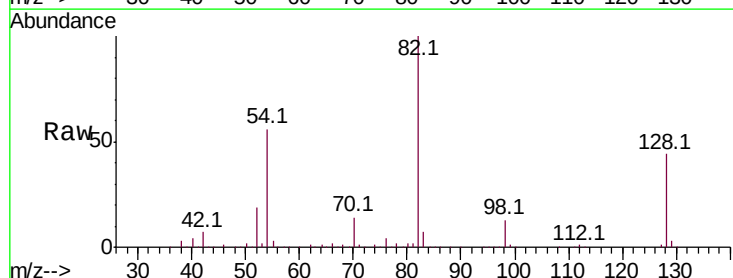
Tgt Ion: 82 Resp: 570003

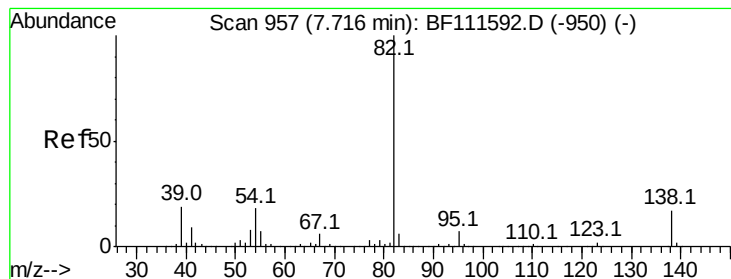
Ion Ratio Lower Upper

82 100

128 44.4 37.4 56.2

54 55.8 47.6 71.4





#25

Isophorone

Concen: 31.007 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF111858.D

Acq: 4 Jan 2019 21:24

Instrument :

BNA_G

ClientSampled :

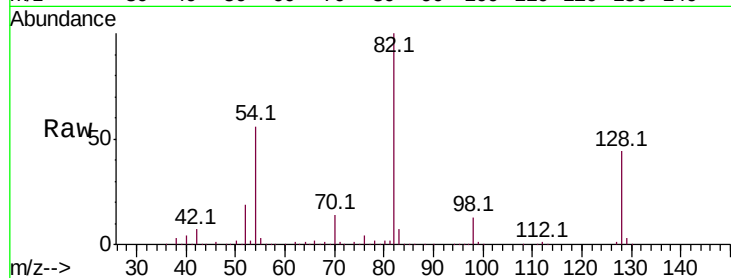
Tot Ion: 82 Resp: 567730

Ion Ratio Lower Upper

82 100

95 0.1 5.4 8.2#

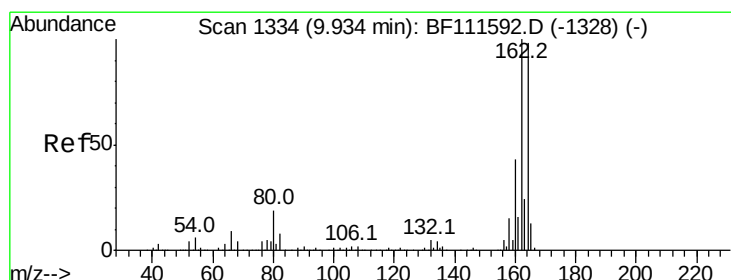
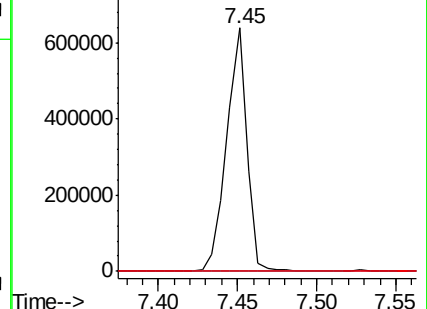
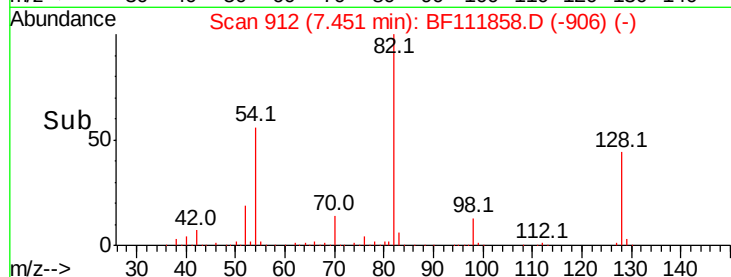
138 0.0 15.1 22.7#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF111858.D

Acq: 4 Jan 2019 21:24

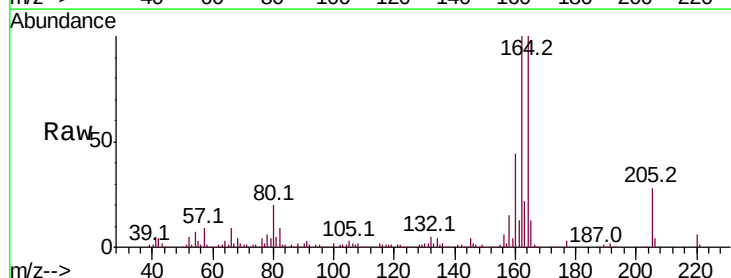
Tgt Ion:164 Resp: 321660

Ion Ratio Lower Upper

164 100

162 99.6 81.4 122.0

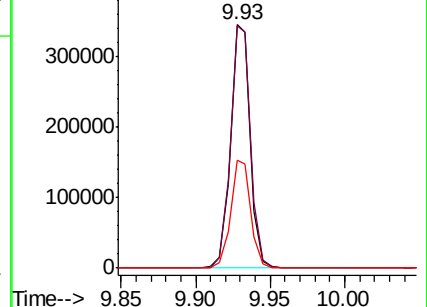
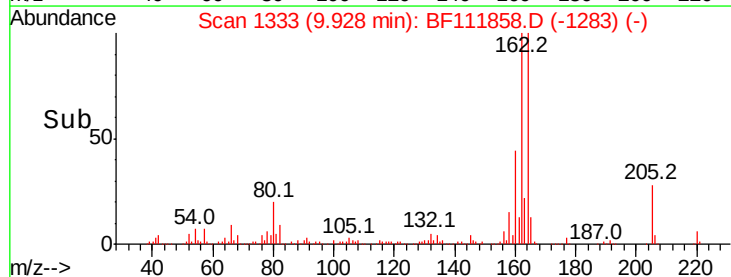
160 44.5 35.7 53.5

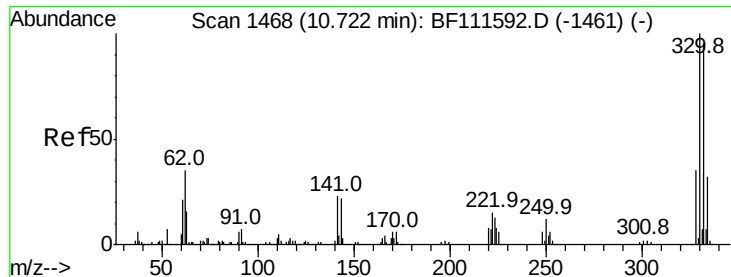


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

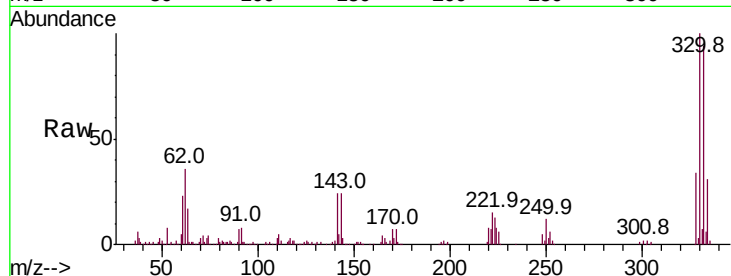




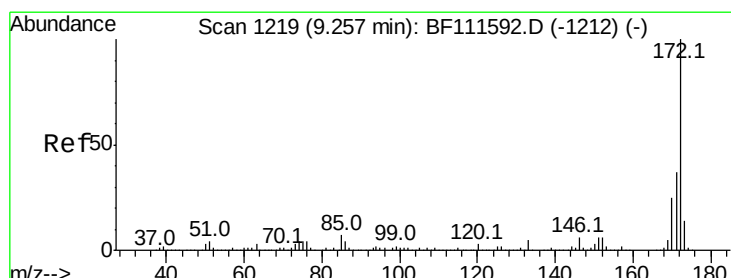
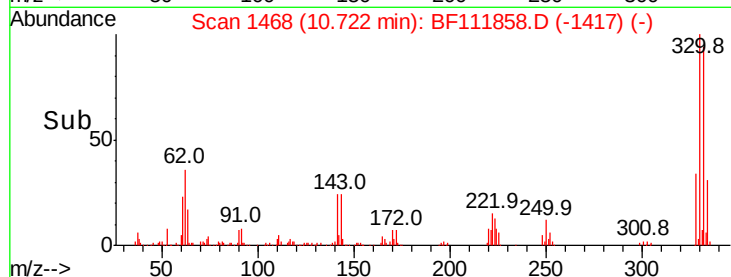
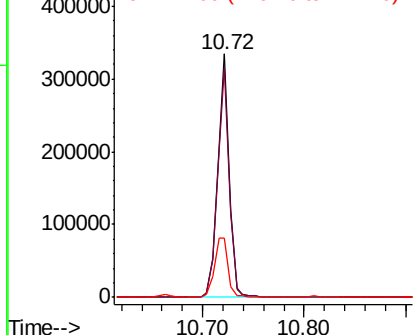
#42
 2,4,6-Tribromophenol
 Concen: 70.052 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: BF111858.D
 Acq: 4 Jan 2019 21:24

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 266244
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.0 114.0
 141 28.9 31.0 46.6#

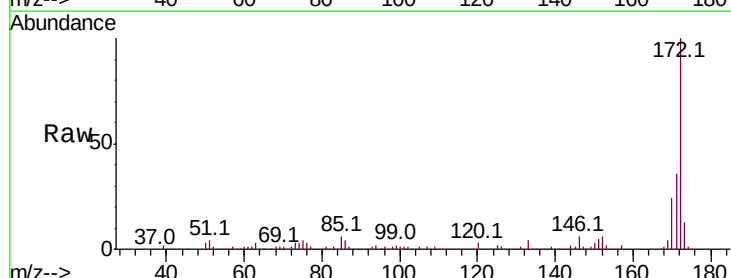


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

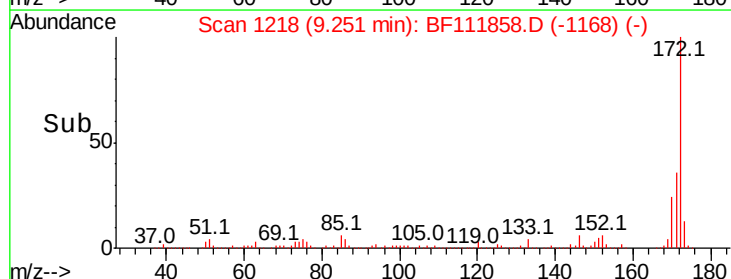
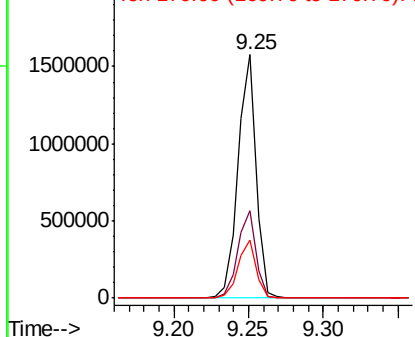


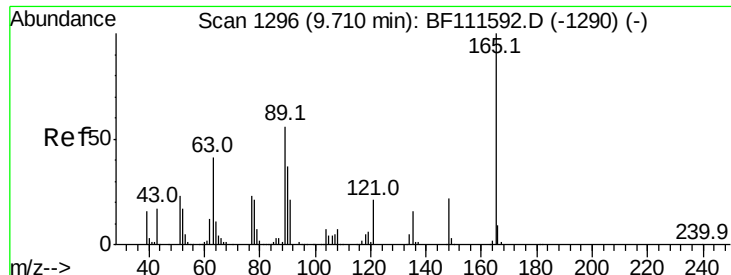
#45
 2-Fluorobiphenyl
 Concen: 61.110 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF111858.D
 Acq: 4 Jan 2019 21:24

Tgt Ion:172 Resp: 1348576
 Ion Ratio Lower Upper
 172 100
 171 36.0 33.0 49.4
 170 23.8 22.3 33.5



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





#51

2,6-Dinitrotoluene

Concen: 9.037 ng

RT: 9.93 min Scan# 1333

Delta R.T. 0.22 min

Lab File: BF111858.D

Acq: 4 Jan 2019 21:24

Instrument :

BNA_G

ClientSampleId :

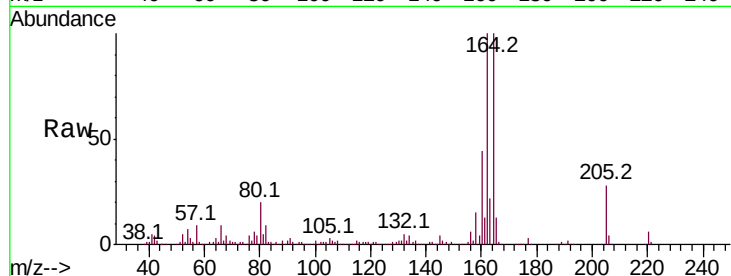
Tot Ion:165 Resp: 42385

Ion Ratio Lower Upper

165 100

63 4.1 40.5 60.7#

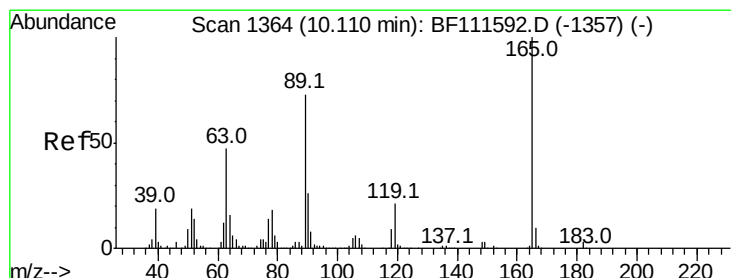
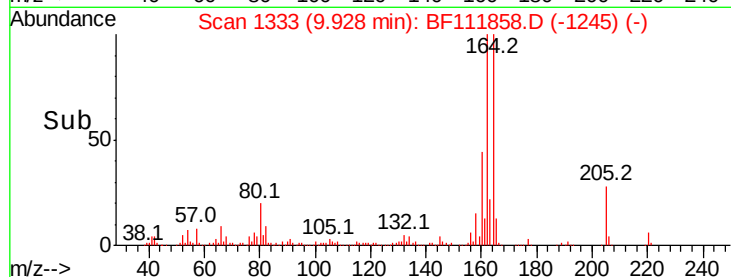
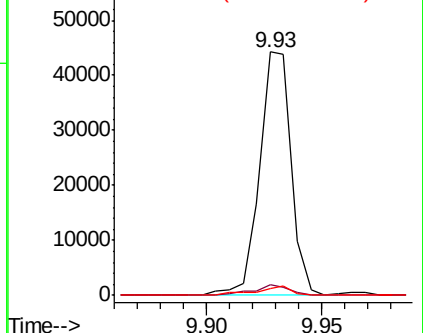
89 2.6 40.0 60.0#



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



#57

2,4-Dinitrotoluene

Concen: 7.519 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.18 min

Lab File: BF111858.D

Acq: 4 Jan 2019 21:24

Tgt Ion:165 Resp: 42385

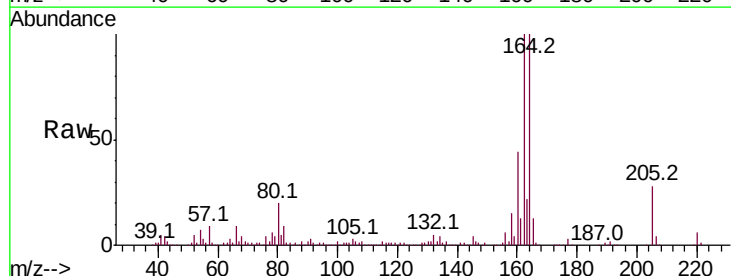
Ion Ratio Lower Upper

165 100

63 4.1 34.6 52.0#

89 2.6 56.2 84.4#

182 0.0 1.8 2.6#

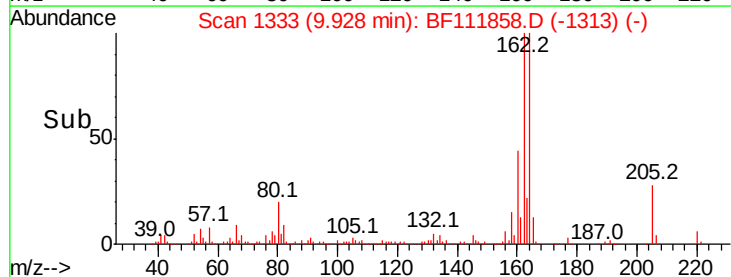
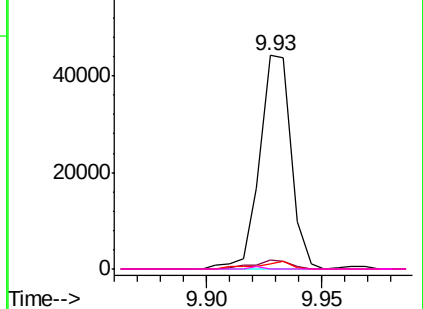


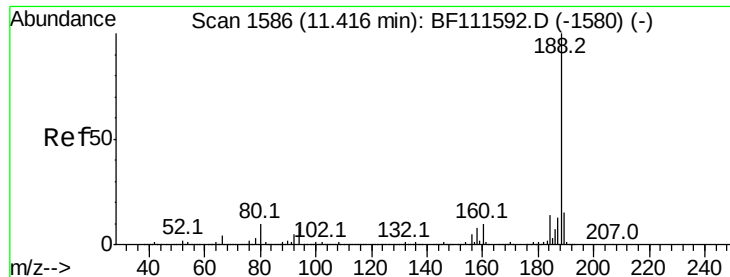
Abundance Ion 165.00 (164.70 to 165.70): E

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BF111858.D

Acq: 4 Jan 2019 21:24

Instrument :

BNA_G

ClientSampleId :

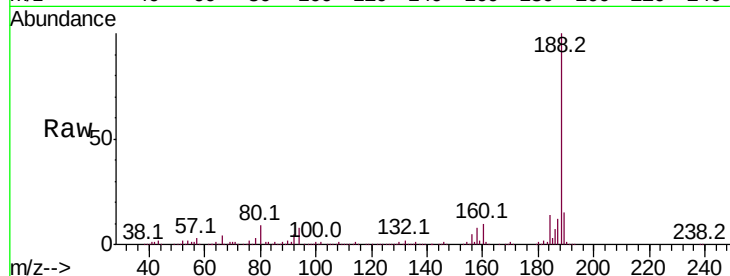
Tot Ion:188 Resp: 372900

Ion Ratio Lower Upper

188 100

94 8.1 9.6 14.4#

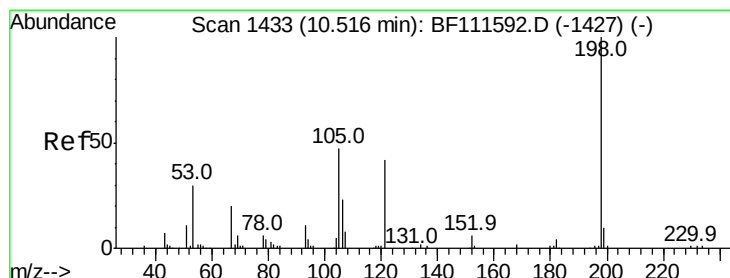
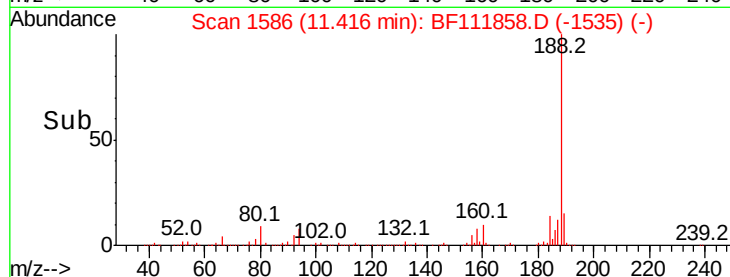
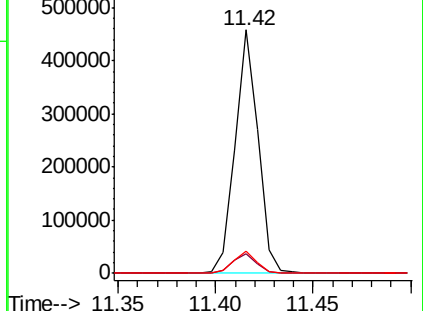
80 8.9 9.8 14.6#



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



#65

4,6-Dinitro-2-methylphenol

Concen: 6.907 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.15 min

Lab File: BF111858.D

Acq: 4 Jan 2019 21:24

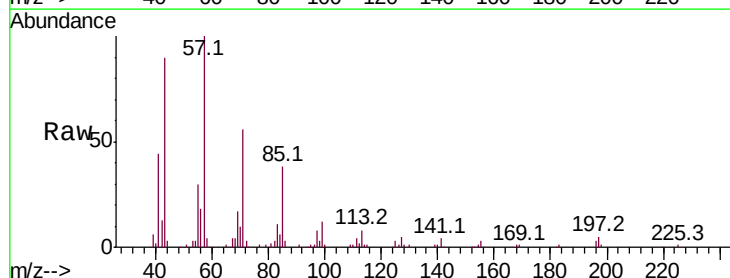
Tgt Ion:198 Resp: 384

Ion Ratio Lower Upper

198 100

51 82.4 48.0 88.0

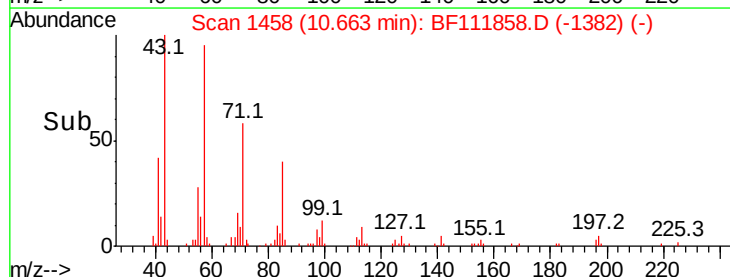
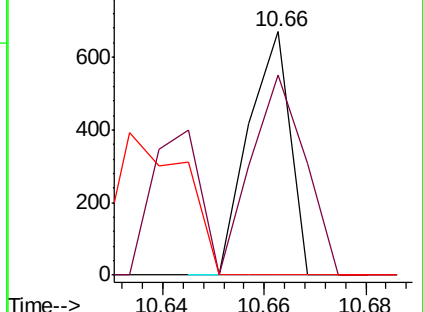
105 0.0 34.0 74.0#

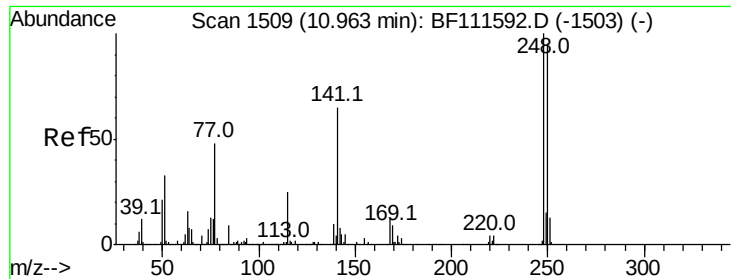


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

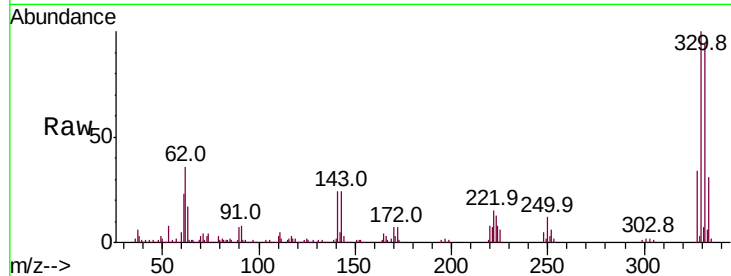




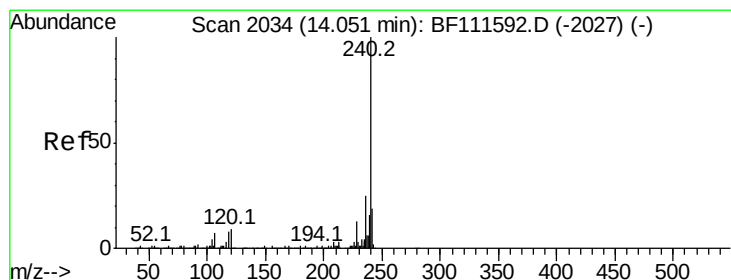
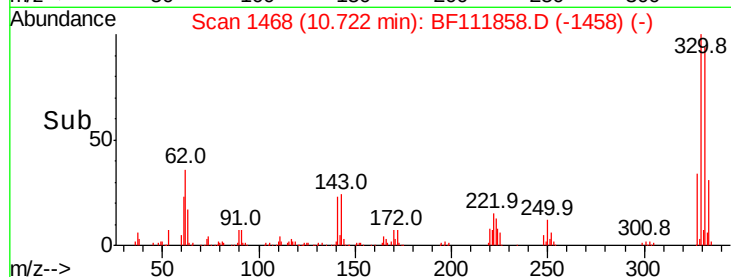
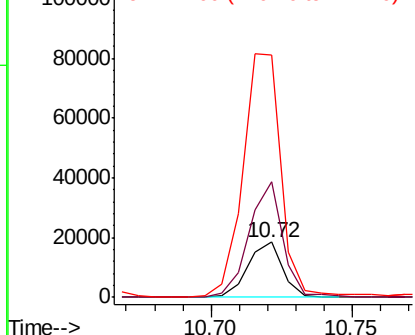
#67
4-Bromophenyl-phenylether
Concen: 3.408 ng
RT: 10.72 min Scan# 1468
Delta R.T. -0.24 min
Lab File: BF111858.D
Acq: 4 Jan 2019 21:24

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 15762
Ion Ratio Lower Upper
248 100
250 210.5 77.0 115.4#
141 442.2 63.0 94.6#

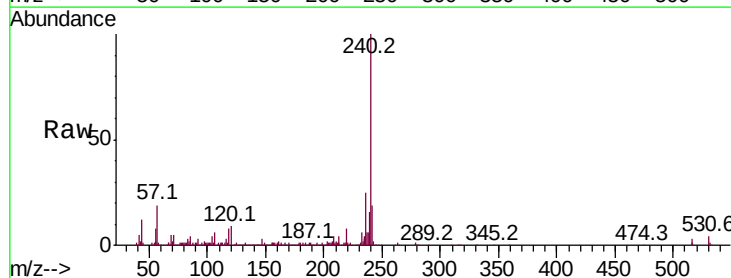


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

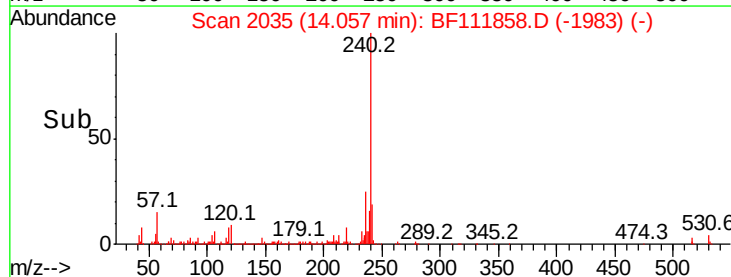
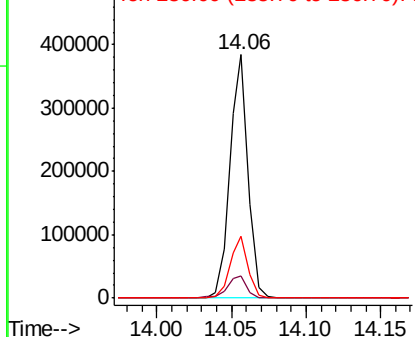


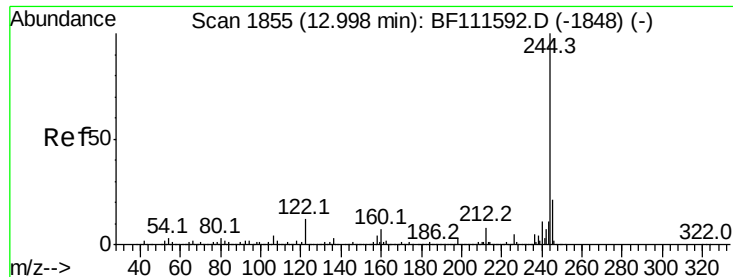
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.01 min
Lab File: BF111858.D
Acq: 4 Jan 2019 21:24

Tgt Ion:240 Resp: 329621
Ion Ratio Lower Upper
240 100
120 9.3 12.2 18.2#
236 25.4 20.2 30.2



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





#79

Terphenyl-d14

Concen: 47.285 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF111858.D

Acq: 4 Jan 2019 21:24

Instrument :

BNA_G

ClientSampleId :

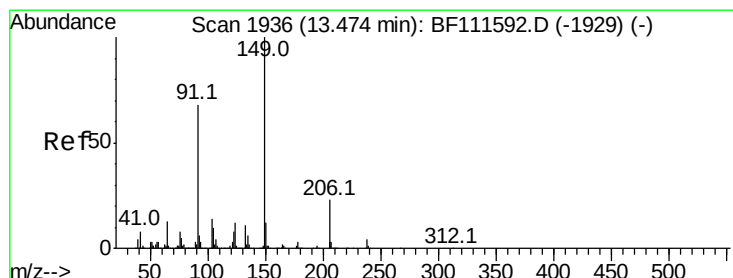
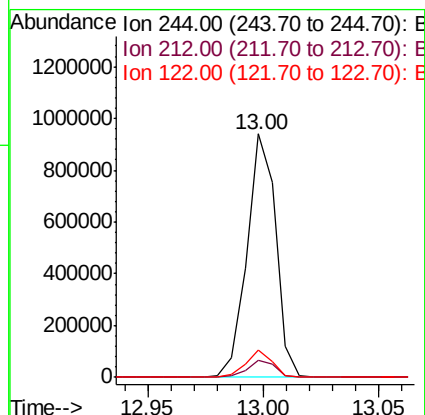
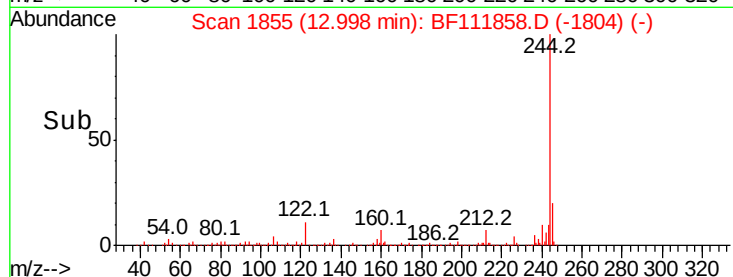
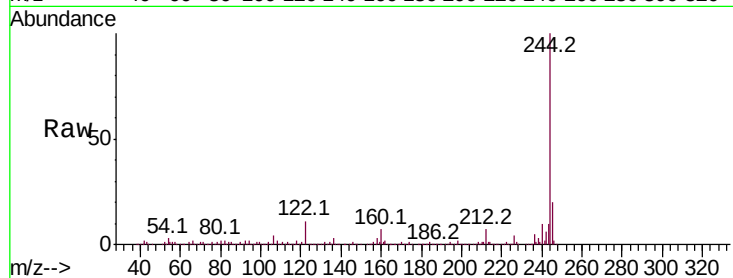
Tot Ion:244 Resp: 821873

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 11.0 13.1 19.7#



#80

Butylbenzylphthalate

Concen: 3.212 ng

RT: 13.56 min Scan# 1950

Delta R.T. 0.08 min

Lab File: BF111858.D

Acq: 4 Jan 2019 21:24

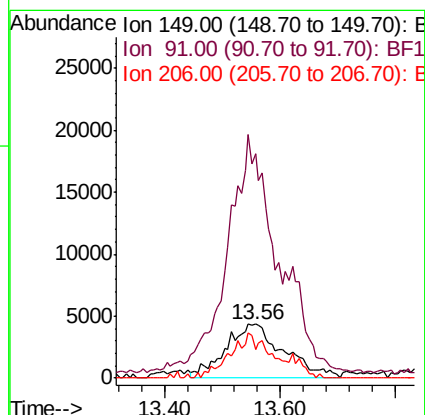
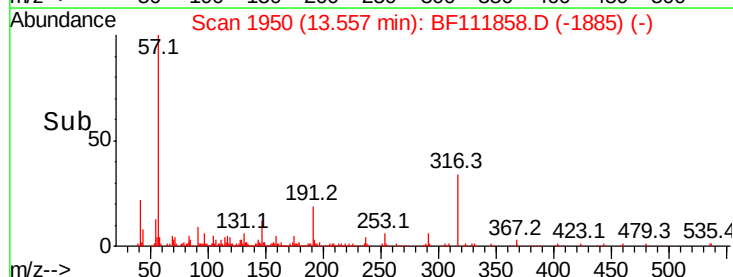
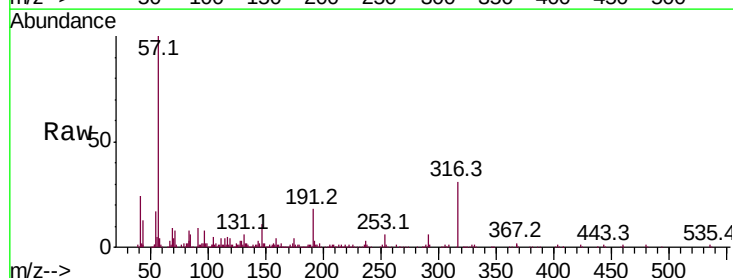
Tgt Ion:149 Resp: 30472

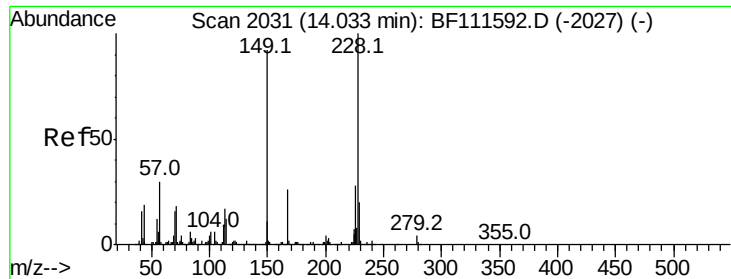
Ion Ratio Lower Upper

149 100

91 417.8 63.8 95.6#

206 53.4 15.1 22.7#





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.960 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF111858.D

Acq: 4 Jan 2019 21:24

Instrument :

BNA_G

ClientSampleId :

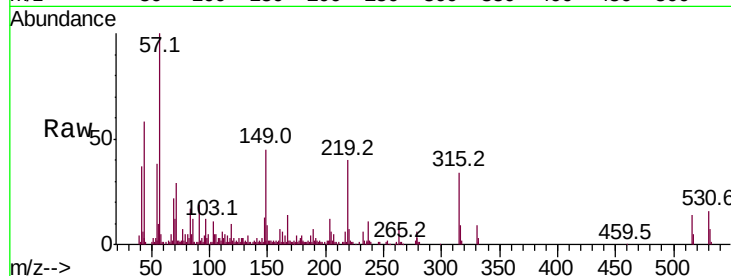
Tot Ion:149 Resp: 59285

Ion Ratio Lower Upper

149 100

167 31.5 22.5 33.7

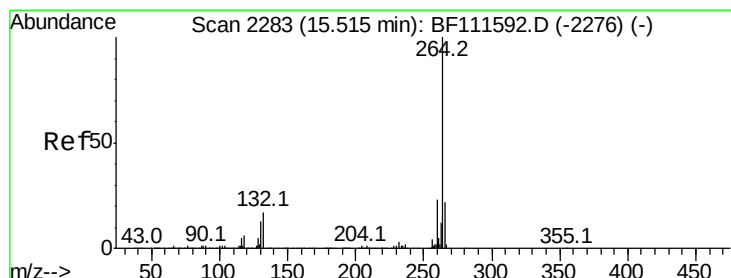
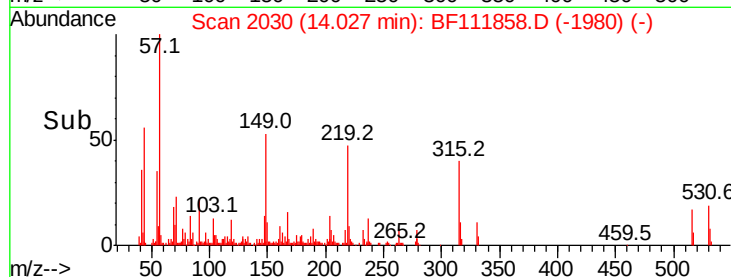
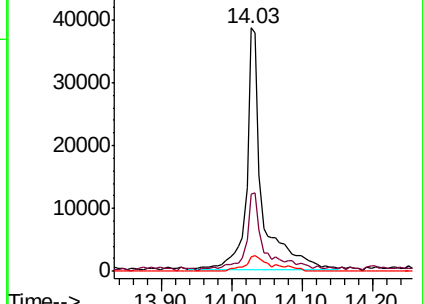
279 5.9 2.6 4.0#



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2287

Delta R.T. 0.02 min

Lab File: BF111858.D

Acq: 4 Jan 2019 21:24

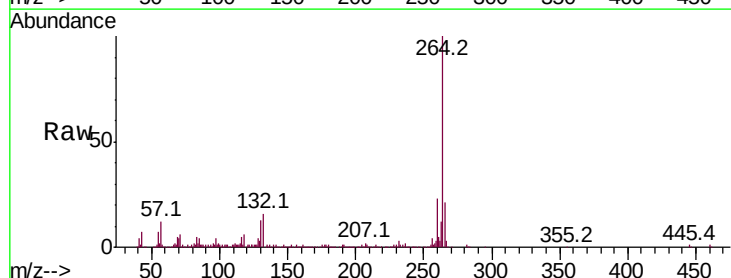
Tgt Ion:264 Resp: 283305

Ion Ratio Lower Upper

264 100

260 23.4 18.3 27.5

265 20.8 17.7 26.5



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

