

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010419\
 Data File : BF111860.D
 Acq On : 4 Jan 2019 22:19
 Operator : JU/SJ
 Sample : K1036-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 04 23:38:38 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

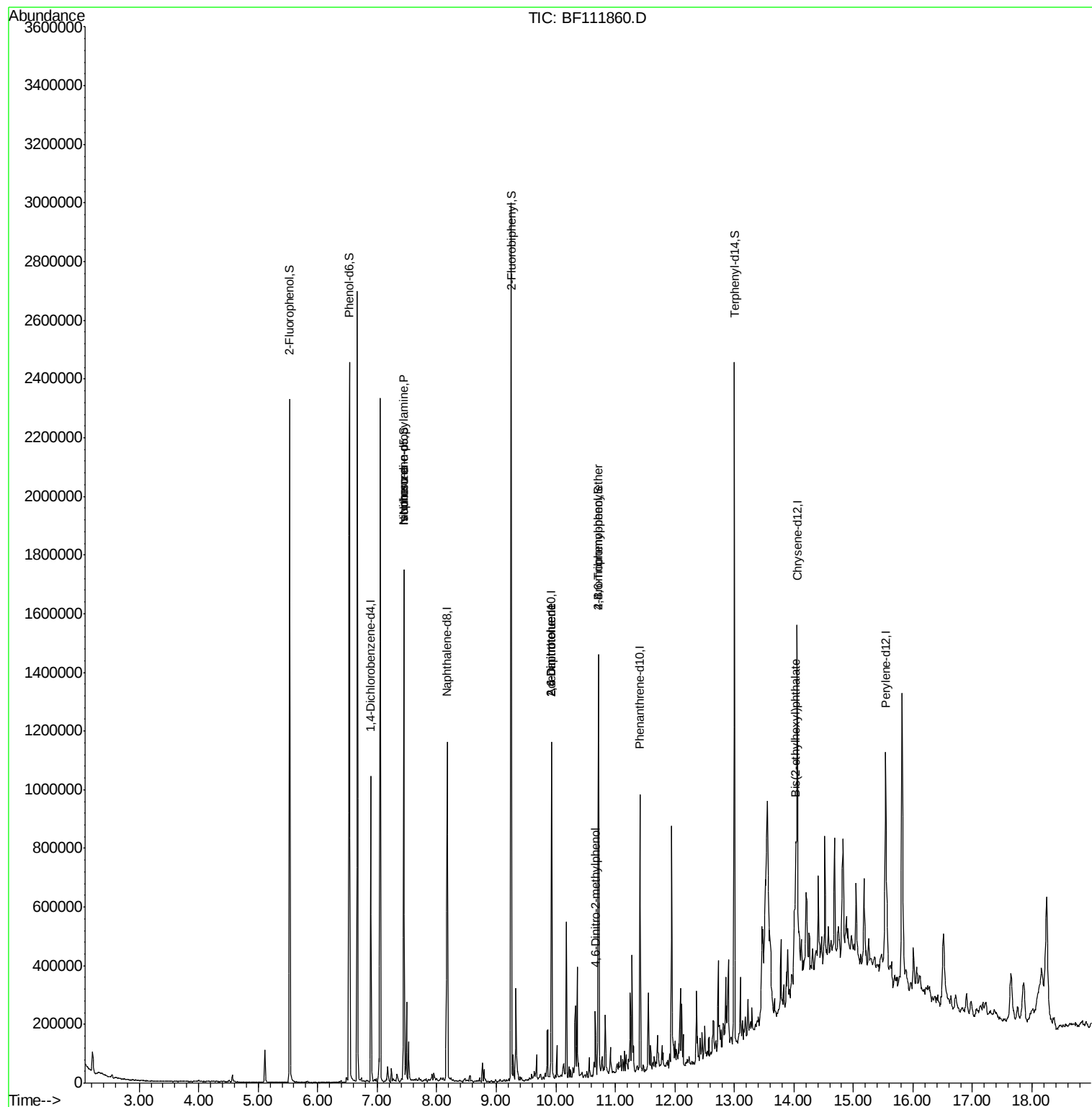
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	136958	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	500944	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	219534	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	316312	20.00	ng	0.00
76) Chrysene-d12	14.06	240	307249	20.00	ng	0.00
87) Perylene-d12	15.54	264	307922	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	604066	75.18	ng	0.01
7) Phenol-d6	6.53	99	769526	75.25	ng	0.01
23) Nitrobenzene-d5	7.45	82	496961	57.74	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	174258	67.18	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	957453	63.57	ng	0.00
79) Terphenyl-d14	13.00	244	737165	45.50	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.45	70	67219	9.898	ng	# 76
25) Isophorone	7.45	82	496955	32.527	ng	# 64
51) 2,6-Dinitrotoluene	9.93	165	27803	8.685	ng	# 30
57) 2,4-Dinitrotoluene	9.93	165	27803	7.227	ng	# 25
65) 4,6-Dinitro-2-methylphenol	10.66	198	106	6.763	ng	# 20
67) 4-Bromophenyl-phenylether	10.72	248	10053	2.562	ng	# 1
84) Bis(2-ethylhexyl)phthalate	14.03	149	33597	3.016	ng	# 93

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

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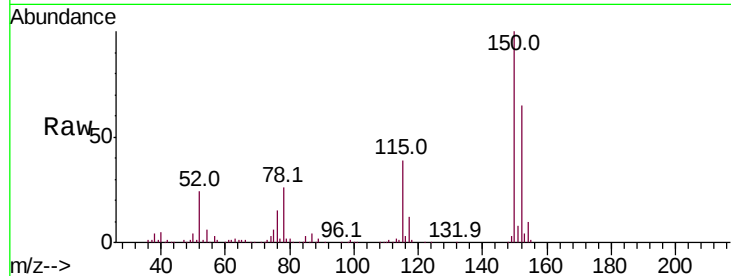


#1

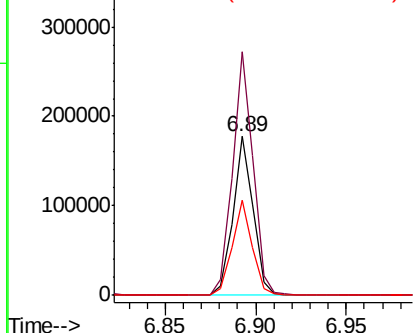
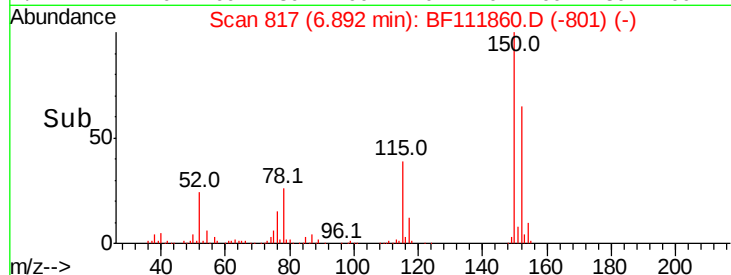
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF111860.D
Acq: 4 Jan 2019 22:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.6	126.6	189.8
115	59.9	50.7	76.1



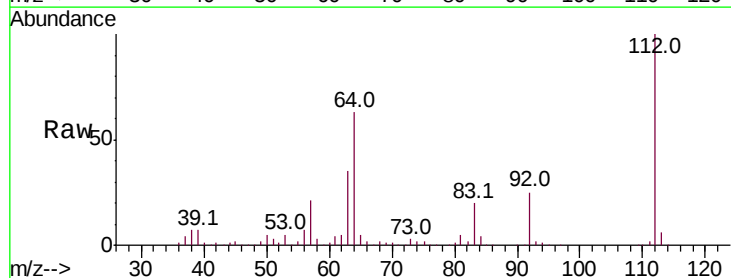
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



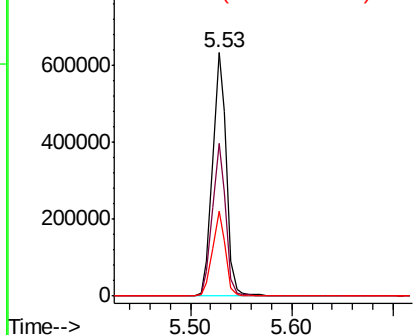
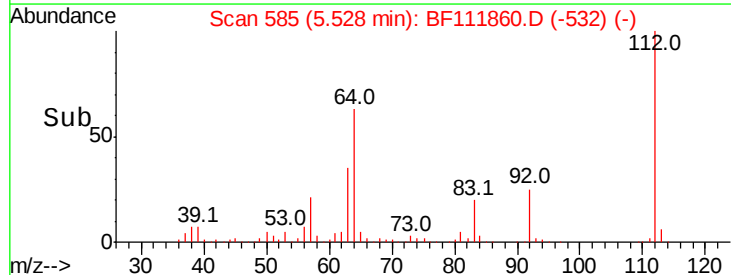
#5

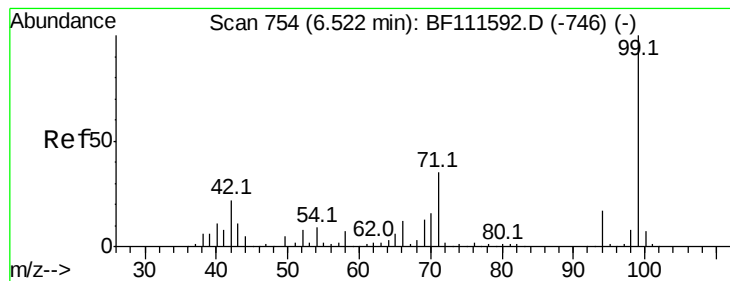
2-Fluorophenol
Concen: 75.180 ng
RT: 5.53 min Scan# 585
Delta R.T. 0.01 min
Lab File: BF111860.D
Acq: 4 Jan 2019 22:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.6	51.8	77.6
63	34.9	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: 75.255 ng

RT: 6.53 min Scan# 756

Delta R.T. 0.01 min

Lab File: BF111860.D

Acq: 4 Jan 2019 22:19

Instrument :

BNA_G

ClientSampled :

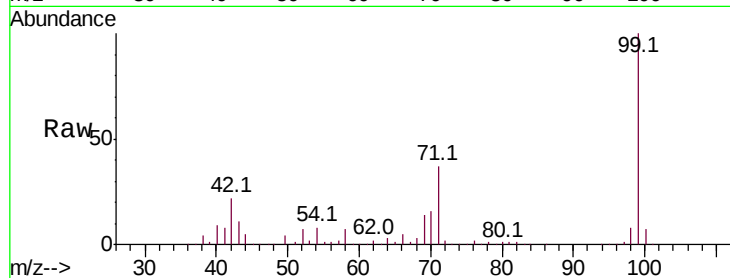
Tot Ion: 99 Resp: 769526

Ion Ratio Lower Upper

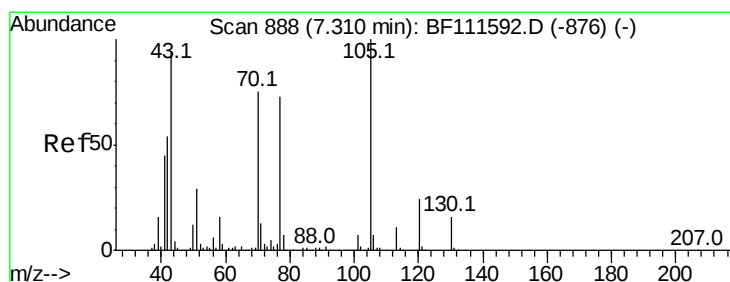
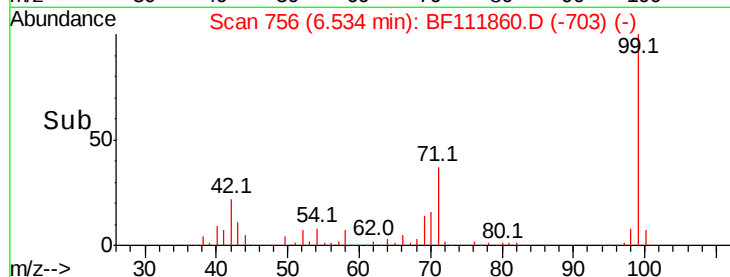
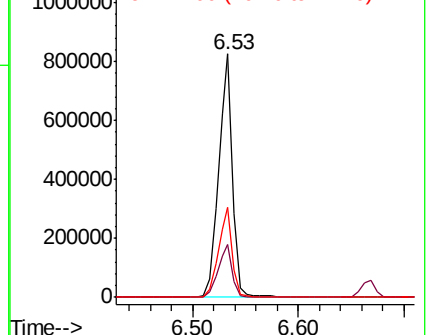
99 100

42 22.0 17.4 26.0

71 37.0 26.1 39.1



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: 9.898 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF111860.D

Acq: 4 Jan 2019 22:19

Tgt Ion: 70 Resp: 67219

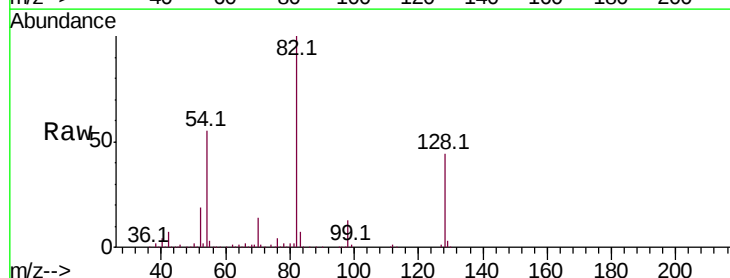
Ion Ratio Lower Upper

70 100

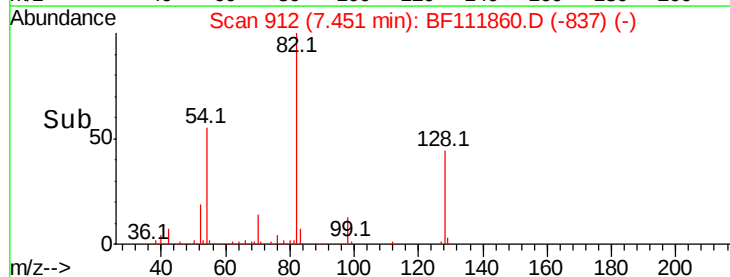
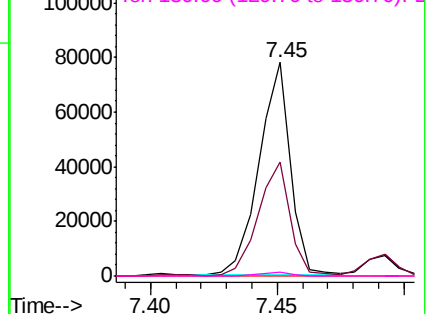
42 53.4 53.2 79.8

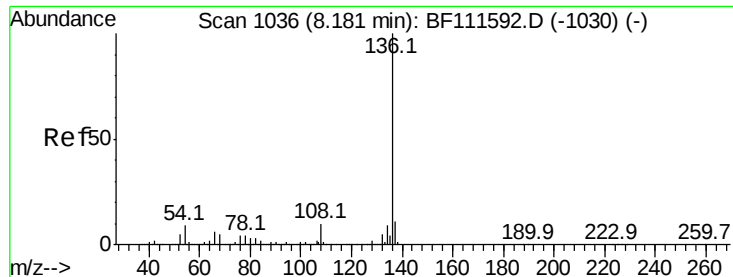
101 0.0 8.2 12.4#

130 2.0 18.1 27.1#



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: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF111860.D

Acq: 4 Jan 2019 22:19

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 500944

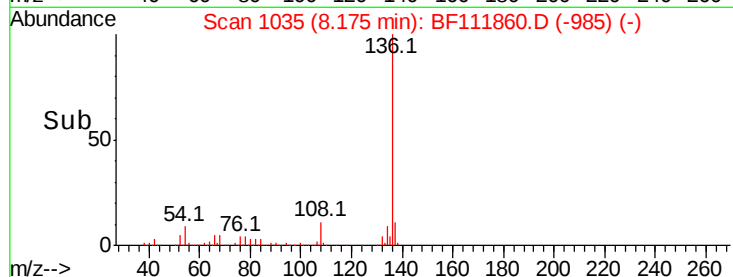
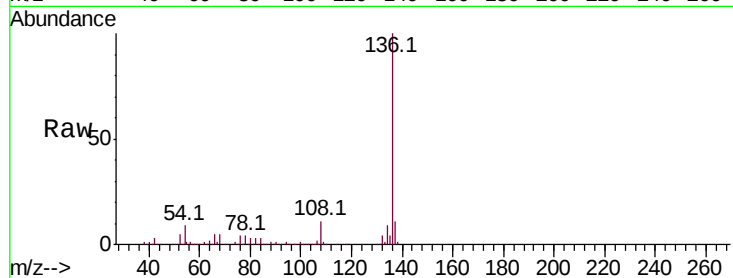
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 8.8 7.7 11.5

68 5.4 4.9 7.3



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

800000

600000

400000

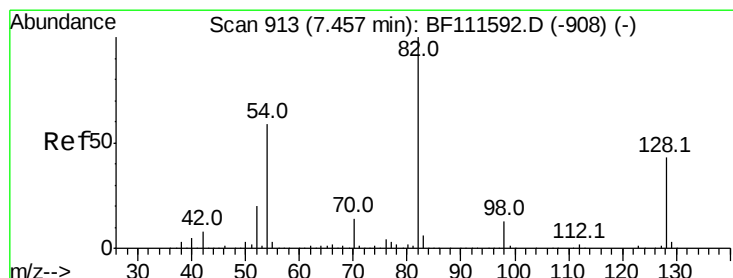
200000

0

8.17

8.10 8.20 8.30

Time-->



#23

Nitrobenzene-d5

Concen: 57.745 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF111860.D

Acq: 4 Jan 2019 22:19

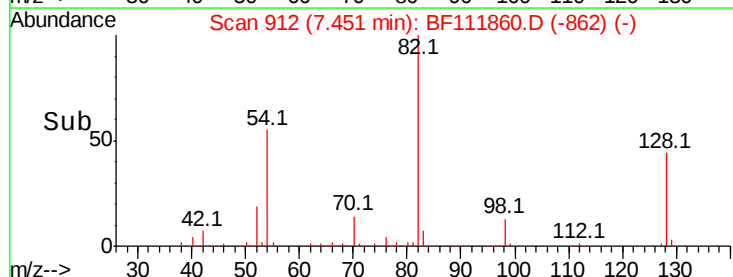
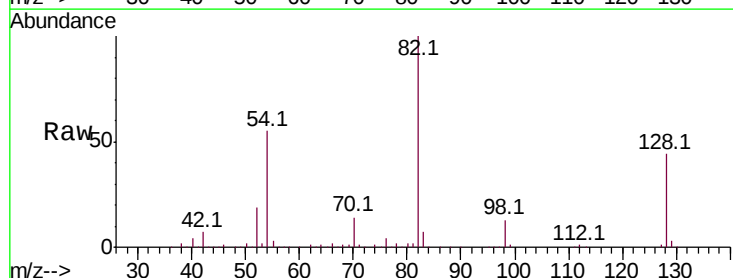
Tgt Ion: 82 Resp: 496961

Ion Ratio Lower Upper

82 100

128 44.2 37.4 56.2

54 55.5 47.6 71.4



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

800000

600000

400000

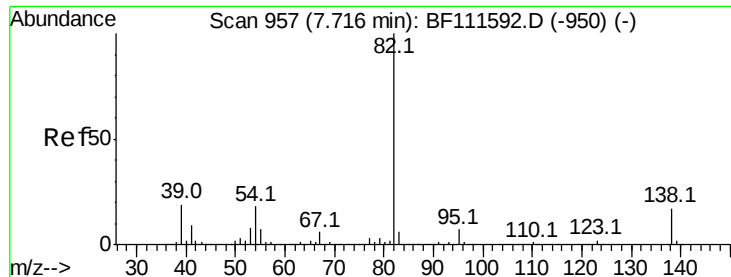
200000

0

7.45

7.40 7.45 7.50

Time-->



#25

Isophorone

Concen: 32.527 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF111860.D

Acq: 4 Jan 2019 22:19

Instrument :

BNA_G

ClientSampled :

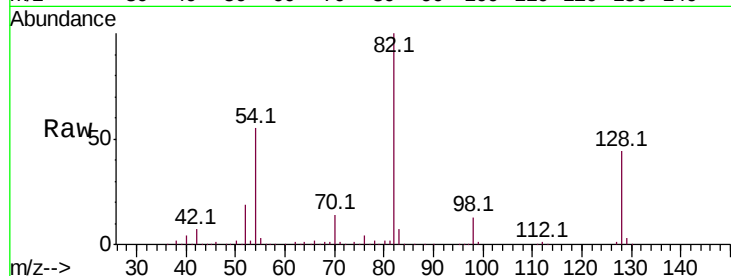
Tot Ion: 82 Resp: 496955

Ion Ratio Lower Upper

82 100

95 0.1 5.4 8.2#

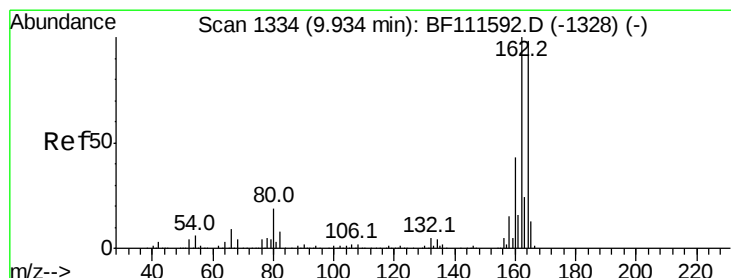
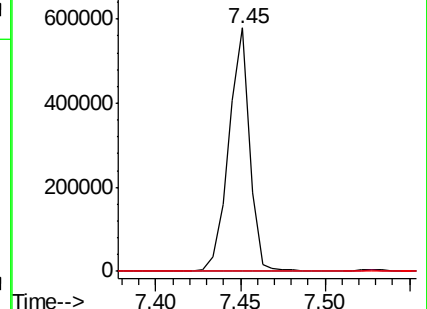
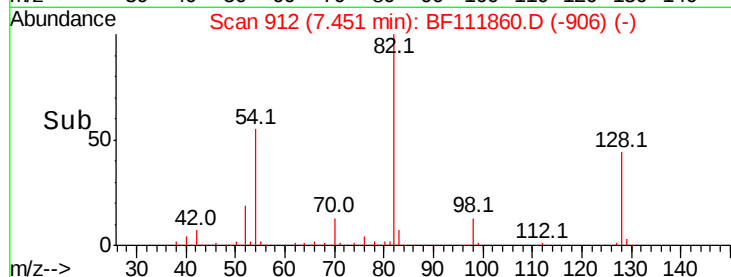
138 0.0 15.1 22.7#



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: BF111860.D

Acq: 4 Jan 2019 22:19

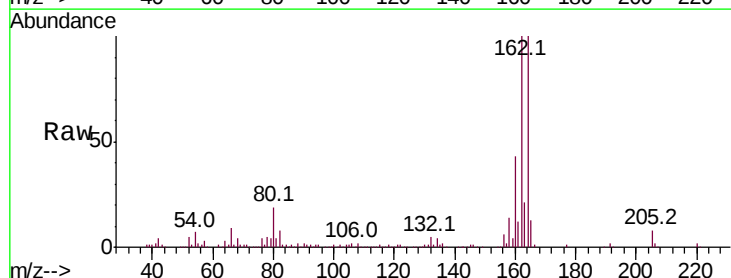
Tgt Ion:164 Resp: 219534

Ion Ratio Lower Upper

164 100

162 100.1 81.4 122.0

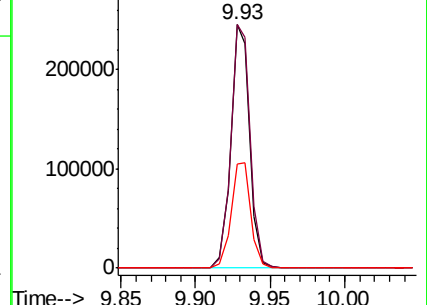
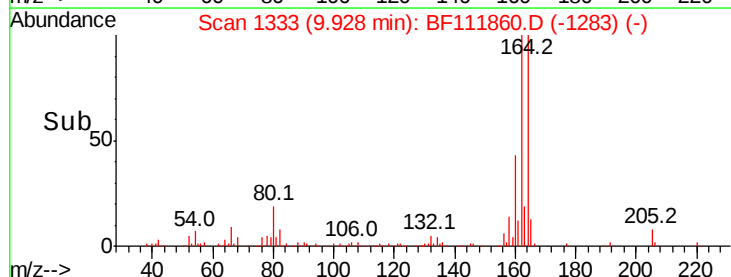
160 42.9 35.7 53.5

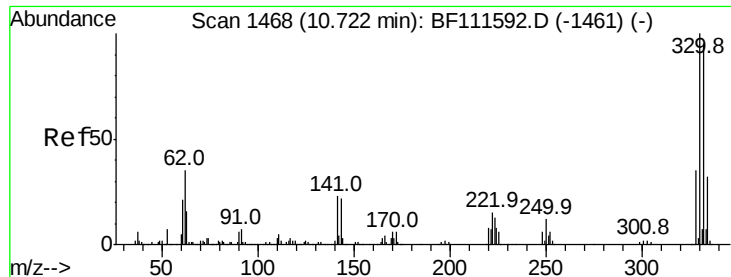


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

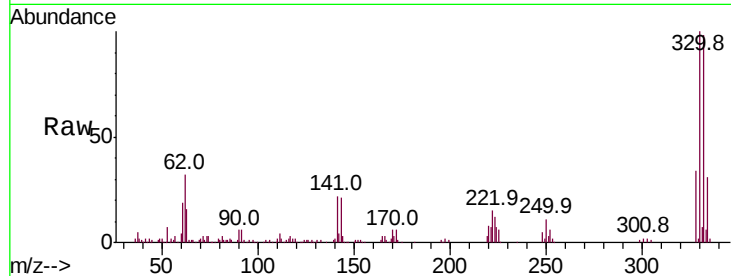




#42
 2,4,6-Tribromophenol
 Concen: 67.178 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: BF111860.D
 Acq: 4 Jan 2019 22:19

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.0	114.0
141	29.2	31.0	46.6#

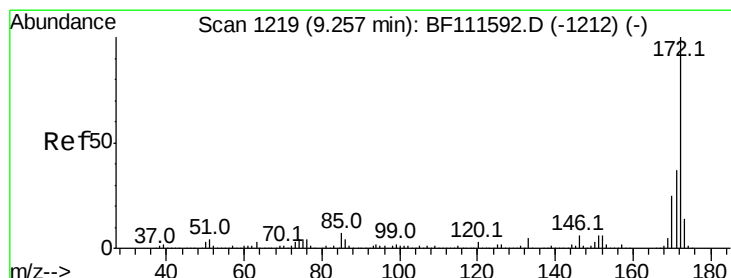
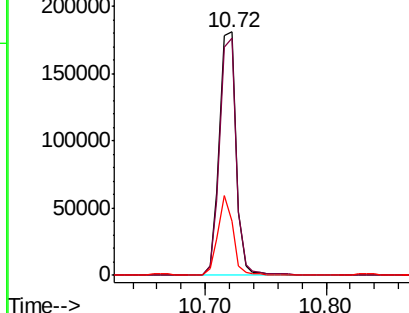
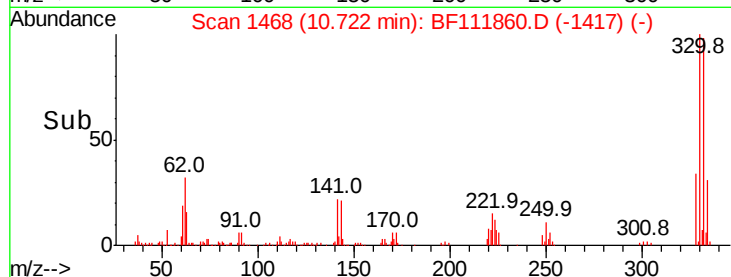


Abundance

Ion 329.80 (329.50 to 330.50): E

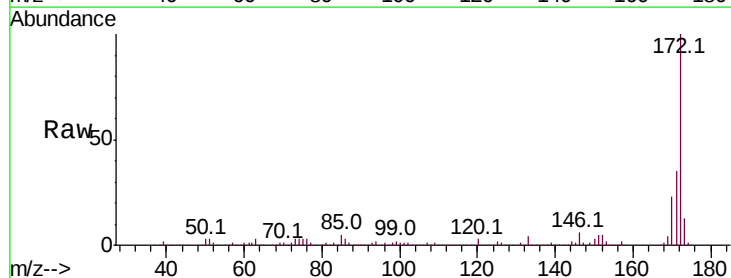
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 63.569 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF111860.D
 Acq: 4 Jan 2019 22:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	33.0	49.4
170	23.3	22.3	33.5

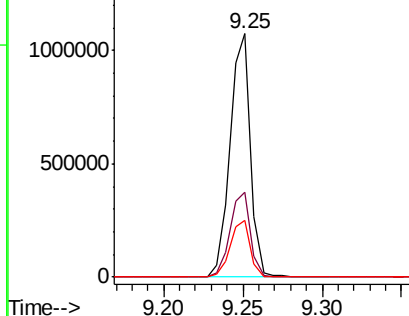
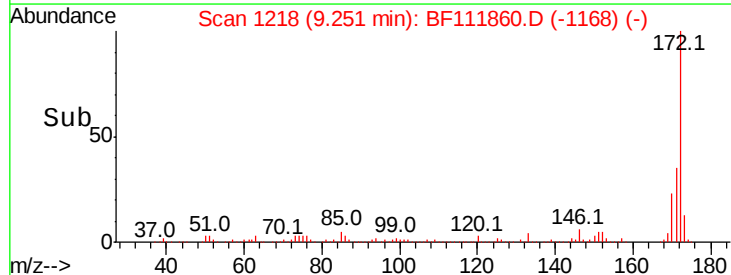


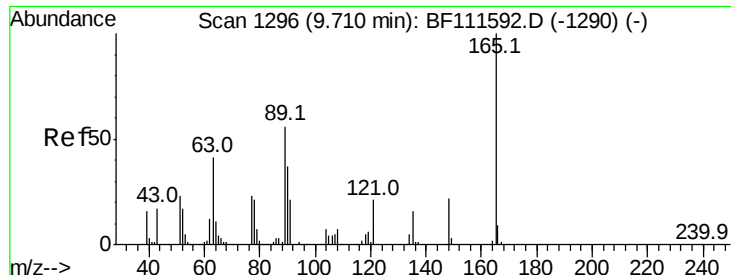
Abundance

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

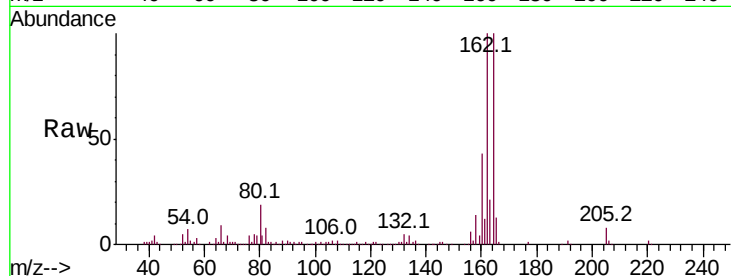




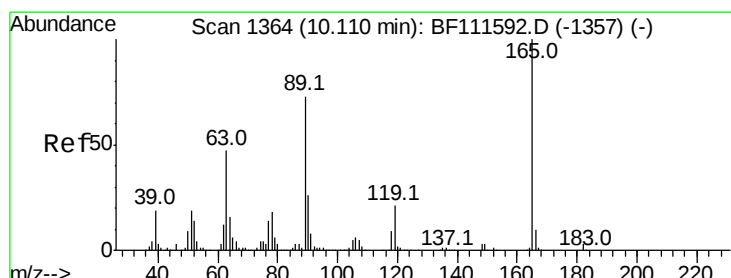
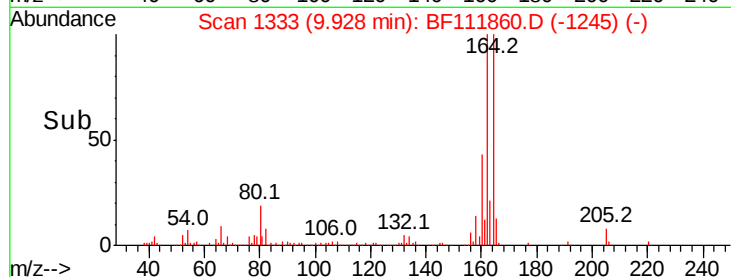
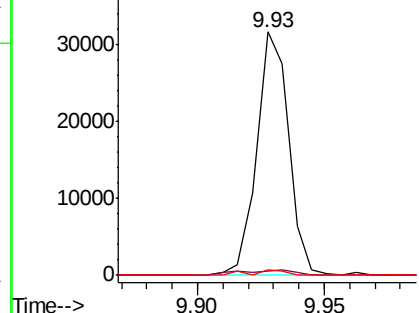
#51
 2,6-Dinitrotoluene
 Concen: 8.685 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. 0.22 min
 Lab File: BF111860.D
 Acq: 4 Jan 2019 22:19

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	40.5	60.7#
89	2.3	40.0	60.0#



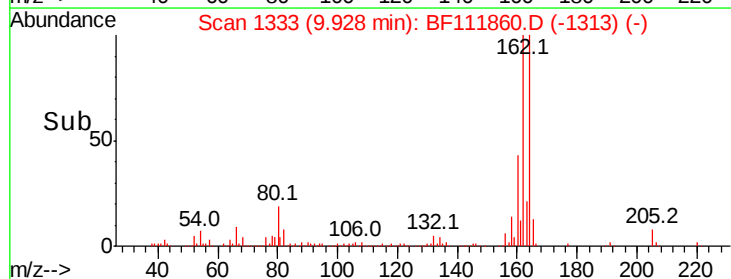
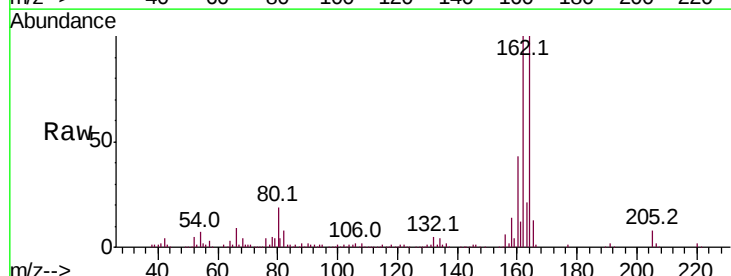
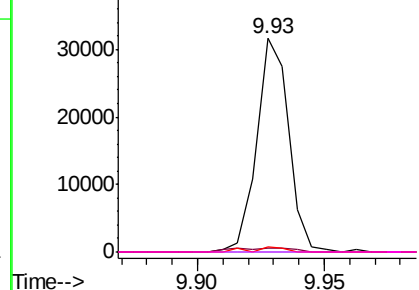
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

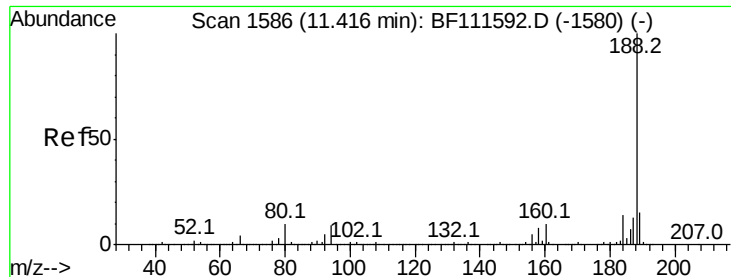


#57
 2,4-Dinitrotoluene
 Concen: 7.227 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.18 min
 Lab File: BF111860.D
 Acq: 4 Jan 2019 22:19

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	34.6	52.0#
89	2.3	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: BF111860.D

Acq: 4 Jan 2019 22:19

Instrument :

BNA_G

ClientSampleId :

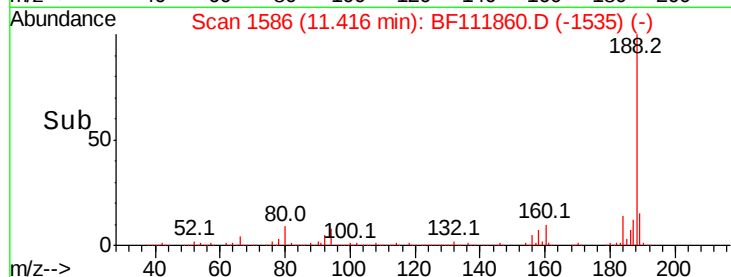
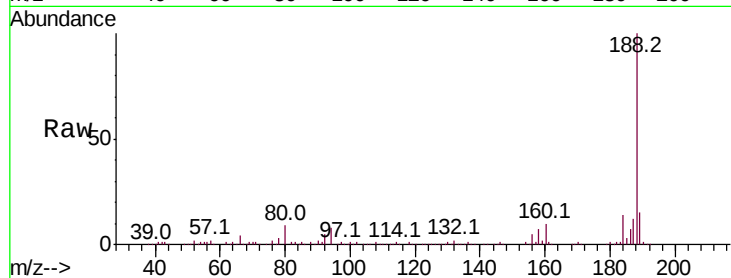
Tot Ion:188 Resp: 316312

Ion Ratio Lower Upper

188 100

94 8.2 9.6 14.4#

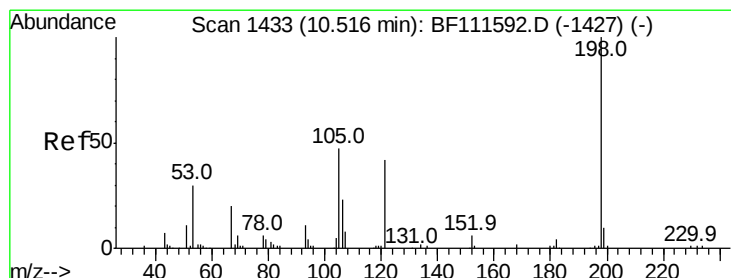
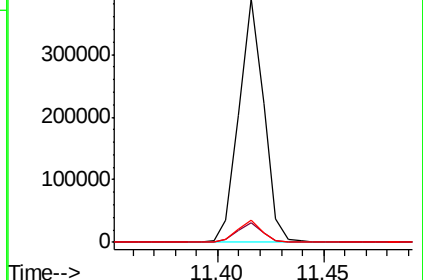
80 8.9 9.8 14.6#



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: 6.763 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.15 min

Lab File: BF111860.D

Acq: 4 Jan 2019 22:19

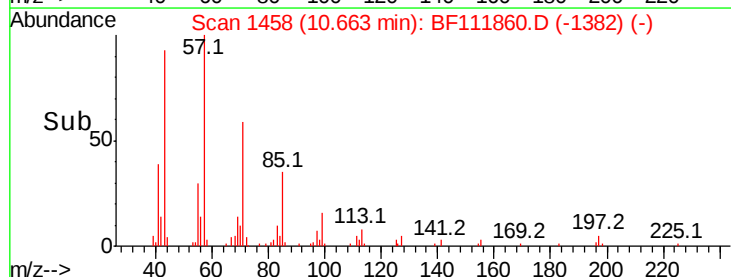
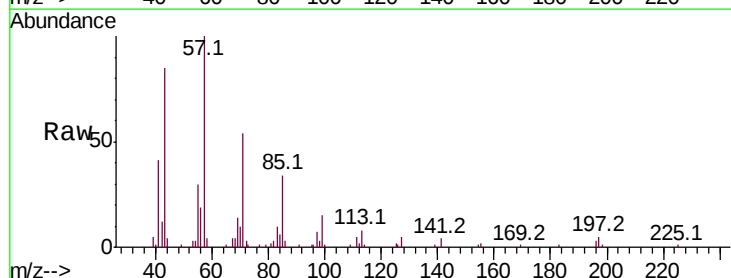
Tgt Ion:198 Resp: 106

Ion Ratio Lower Upper

198 100

51 0.0 48.0 88.0#

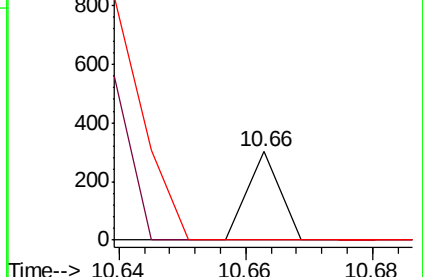
105 0.0 34.0 74.0#

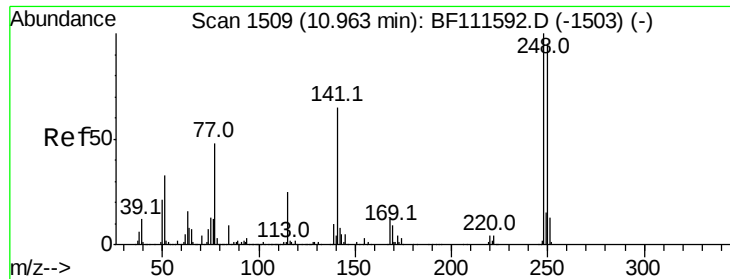


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

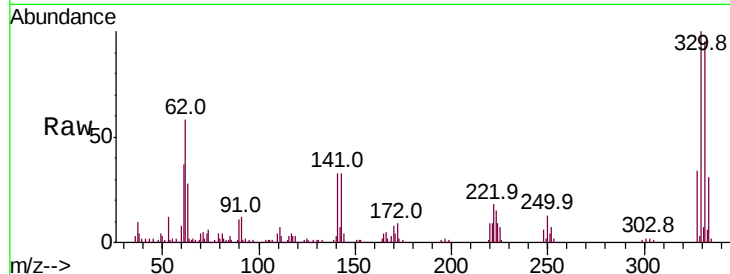




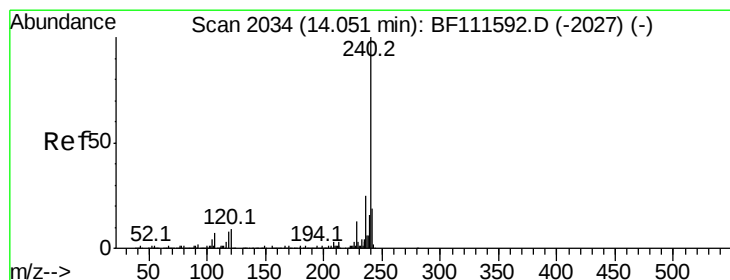
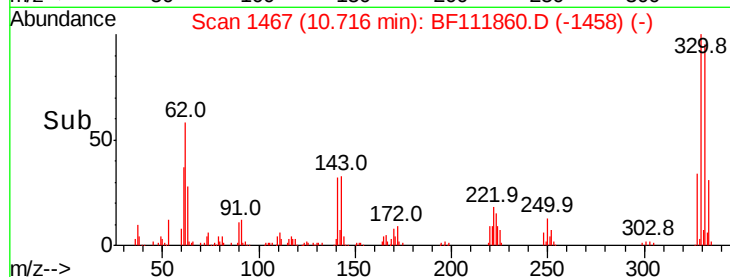
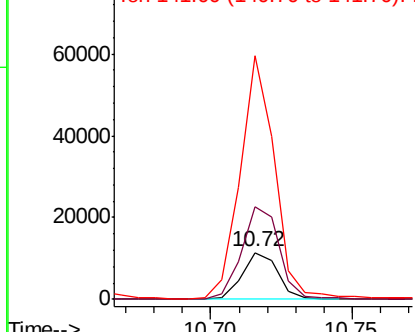
#67
4-Bromophenyl-phenylether
Concen: 2.562 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.25 min
Lab File: BF111860.D
Acq: 4 Jan 2019 22:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 10053
Ion Ratio Lower Upper
248 100
250 197.2 77.0 115.4#
141 517.4 63.0 94.6#

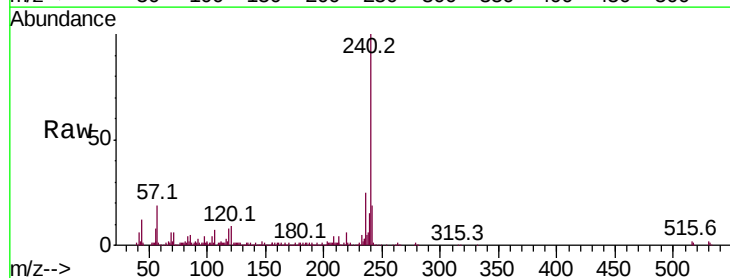


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

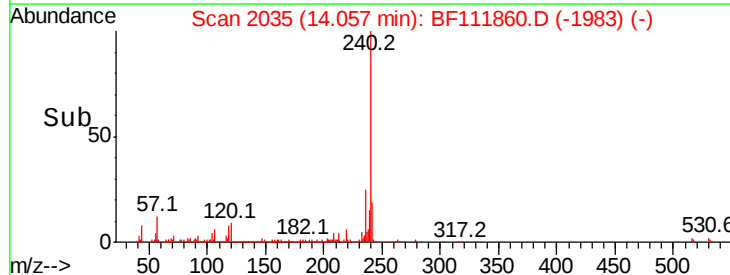
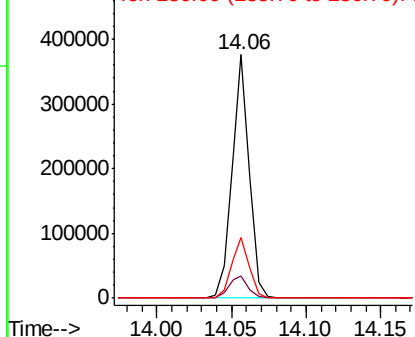


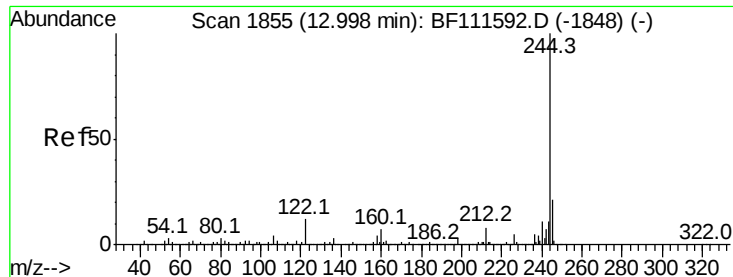
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.01 min
Lab File: BF111860.D
Acq: 4 Jan 2019 22:19

Tgt Ion:240 Resp: 307249
Ion Ratio Lower Upper
240 100
120 9.3 12.2 18.2#
236 24.9 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: 45.500 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF111860.D

Acq: 4 Jan 2019 22:19

Instrument :

BNA_G

ClientSampleId :

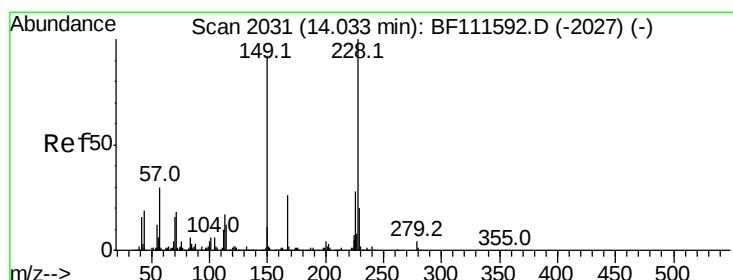
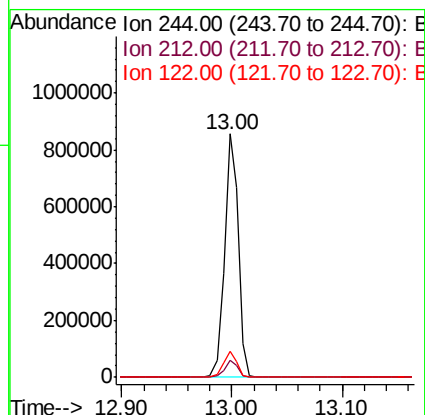
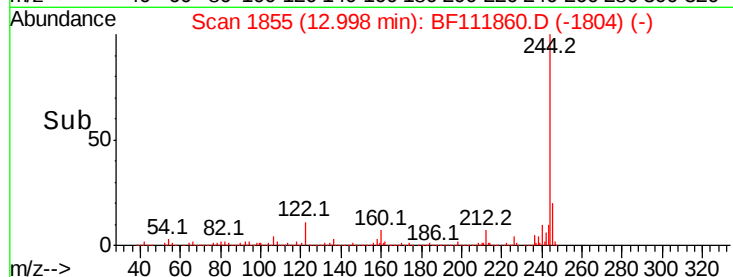
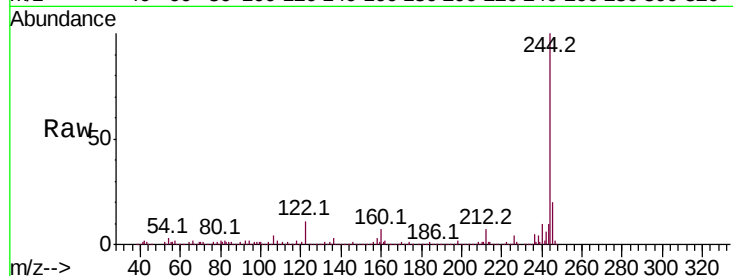
Tot Ion:244 Resp: 737165

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 10.8 13.1 19.7#



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.016 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.00 min

Lab File: BF111860.D

Acq: 4 Jan 2019 22:19

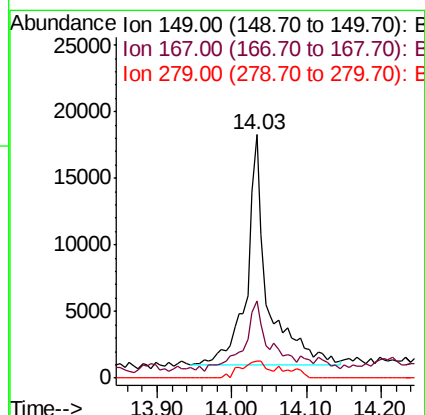
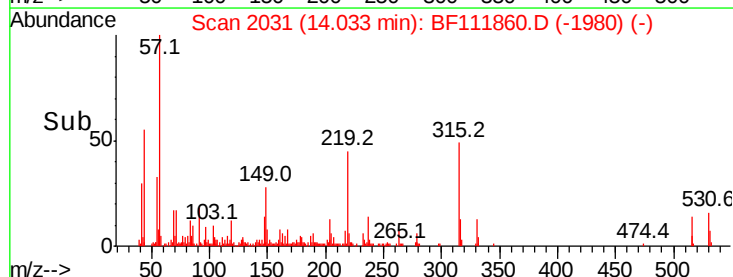
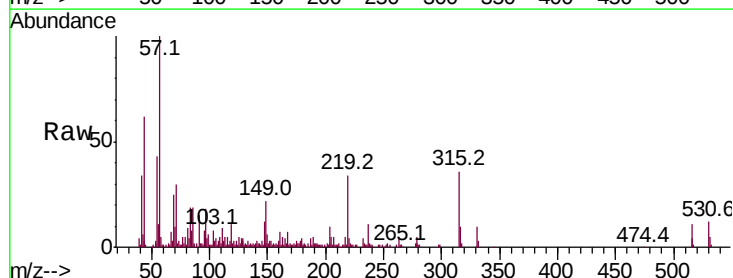
Tgt Ion:149 Resp: 33597

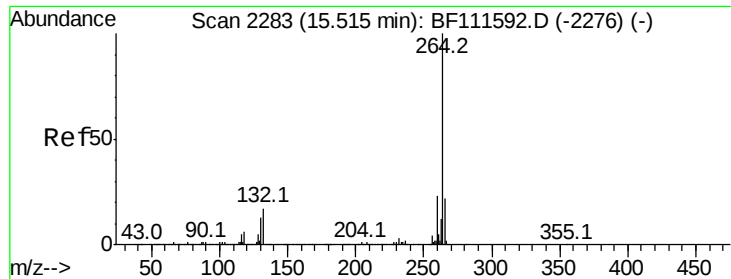
Ion Ratio Lower Upper

149 100

167 31.5 22.5 33.7

279 7.0 2.6 4.0#

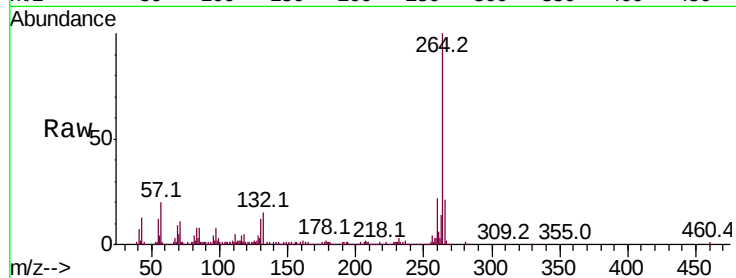




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.03 min
Lab File: BF111860.D
Acq: 4 Jan 2019 22:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.3	18.3	27.5
265	21.3	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

