

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG113018\
 Data File : BG038260.D
 Acq On : 30 Nov 2018 16:42
 Operator : JU/SJ
 Sample : J5996-27
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 AOC8-04-A

Quant Time: Dec 01 03:29:33 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 16:39:28 2018
 Response via : Initial Calibration

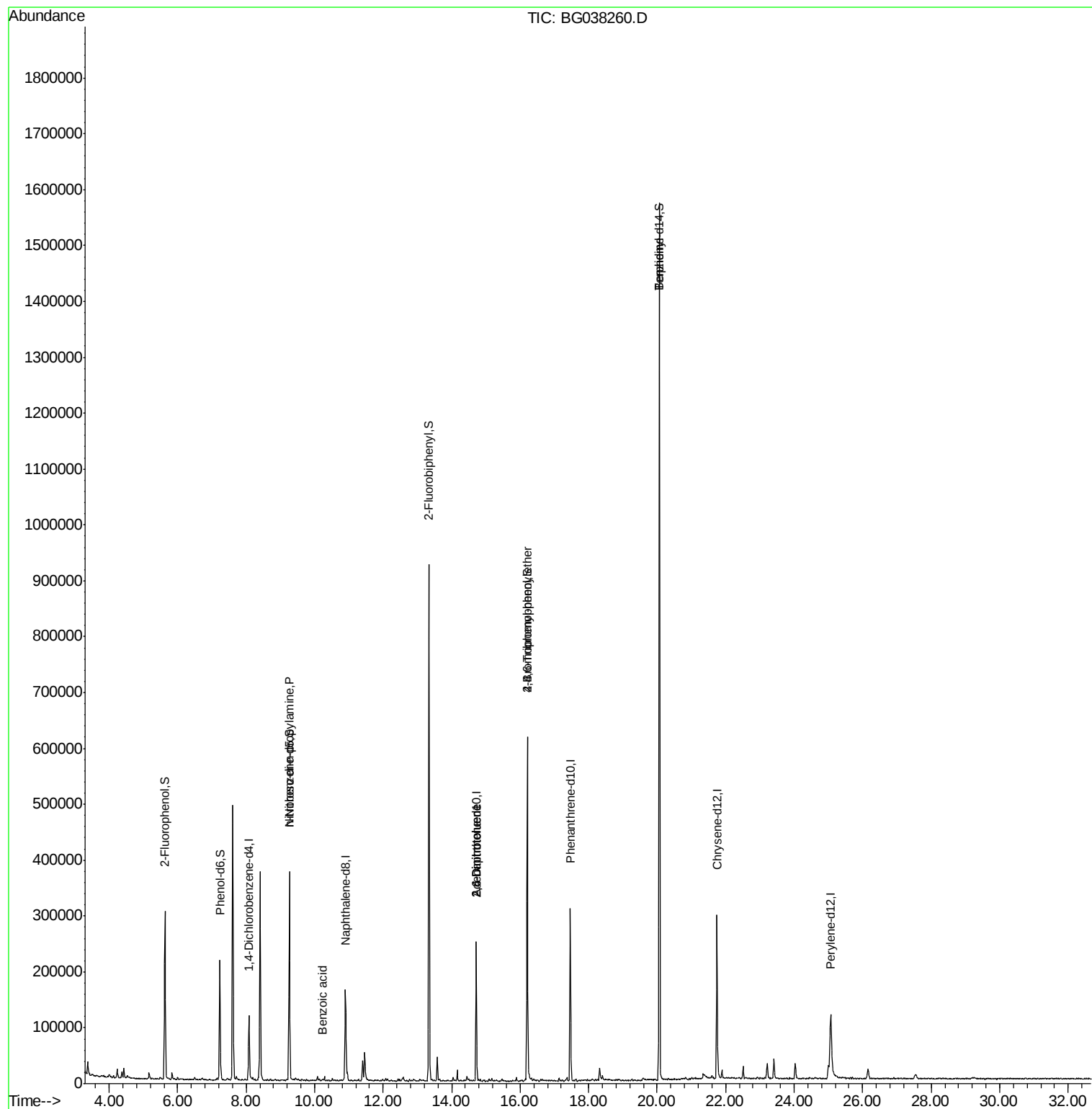
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	33195	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	145592	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	90474	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	198856	20.00	ng	0.00
76) Chrysene-d12	21.75	240	195113	20.00	ng	0.00
87) Perylene-d12	25.07	264	175500	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	136615	71.06	ng	0.00
7) Phenol-d6	7.23	99	129243	47.09	ng	0.00
23) Nitrobenzene-d5	9.26	82	225511	82.91	ng	0.00
42) 2,4,6-Tribromophenol	16.20	330	116552	112.96	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	481189	77.48	ng	0.00
79) Terphenyl-d14	20.06	244	760736	91.74	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.26	70	28867	14.537	ng	Qvalue # 74
32) Benzoic acid	10.23	122	73	12.373	ng	97
51) 2,6-Dinitrotoluene	14.72	165	11374	7.007	ng	# 23
57) 2,4-Dinitrotoluene	14.72	165	11374	5.150	ng	# 23
67) 4-Bromophenyl-phenylether	16.20	248	7821	3.583	ng	# 1
77) Benzidine	20.06	184	13985	2.043	ng	# 95

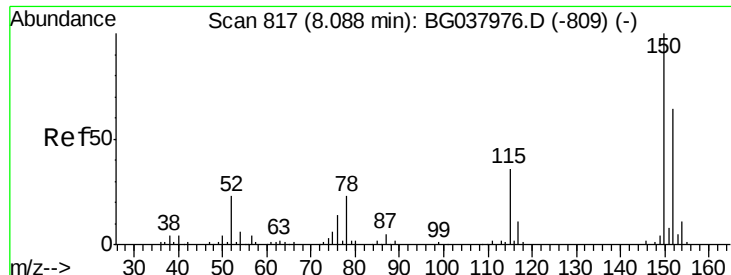
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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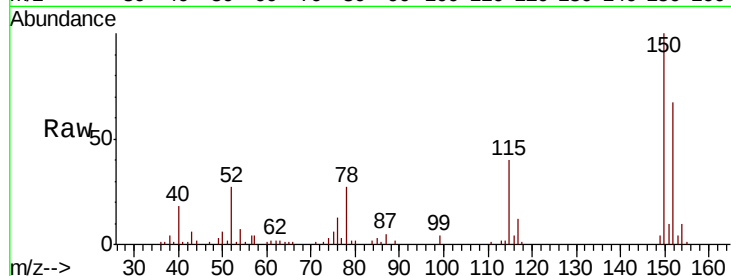


#1

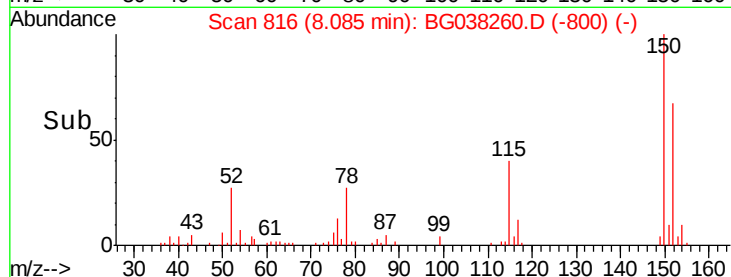
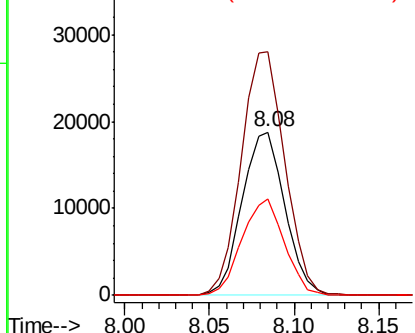
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 816
Delta R.T. -0.00 min
Lab File: BG038260.D
Acq: 30 Nov 2018 16:42

Instrument :
BNA_G
ClientSampleId :
AOC8-04-A

Tot Ion:152 Resp: 33195
Ion Ratio Lower Upper
152 100
150 149.1 126.0 189.0
115 59.1 45.5 68.3



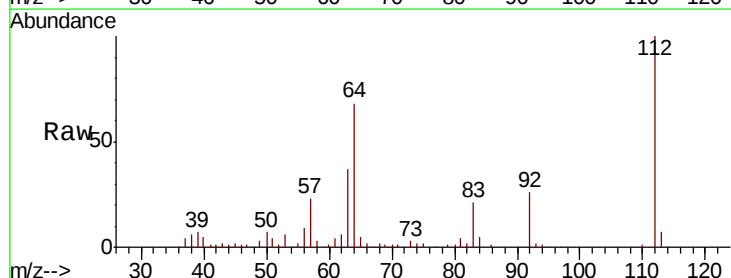
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



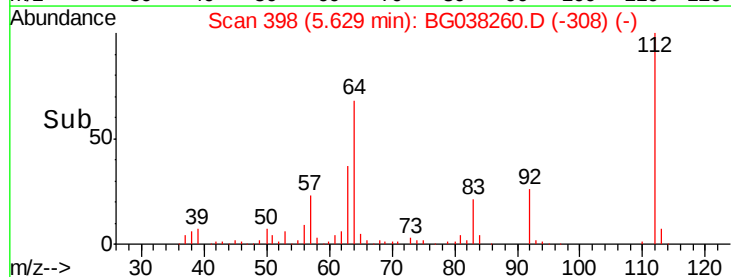
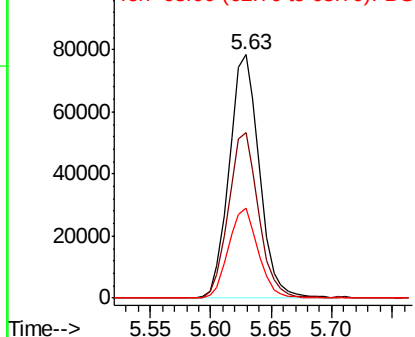
#5

2-Fluorophenol
Concen: 71.057 ng
RT: 5.63 min Scan# 398
Delta R.T. -0.00 min
Lab File: BG038260.D
Acq: 30 Nov 2018 16:42

Tgt Ion:112 Resp: 136615
Ion Ratio Lower Upper
112 100
64 68.0 53.1 79.7
63 37.1 27.3 40.9



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 47.093 ng

RT: 7.23 min Scan# 670

Delta R.T. -0.00 min

Lab File: BG038260.D

Acq: 30 Nov 2018 16:42

Instrument :

BNA_G

ClientSampleId :

AOC8-04-A

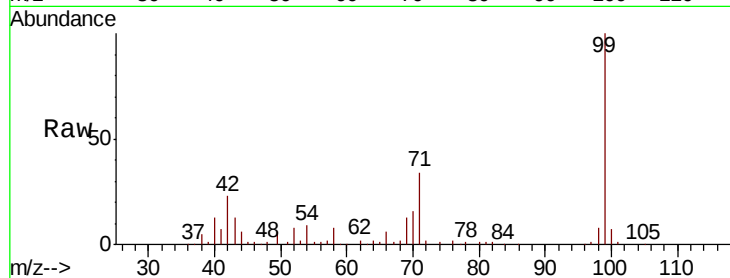
Tot Ion: 99 Resp: 129243

Ion Ratio Lower Upper

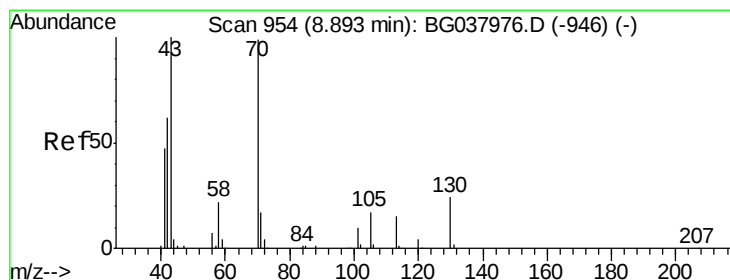
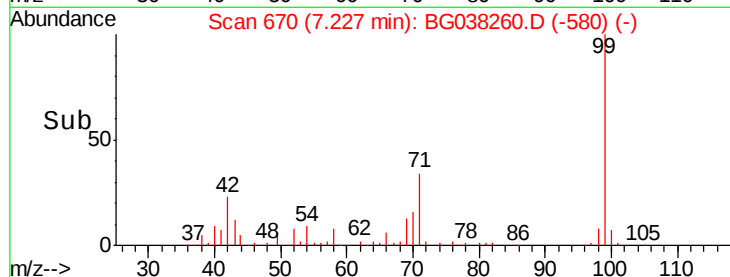
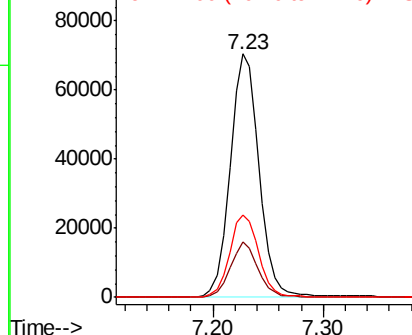
99 100

42 23.0 15.0 22.4#

71 33.9 25.5 38.3



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 14.537 ng

RT: 9.26 min Scan# 1016

Delta R.T. 0.37 min

Lab File: BG038260.D

Acq: 30 Nov 2018 16:42

Tgt Ion: 70 Resp: 28867

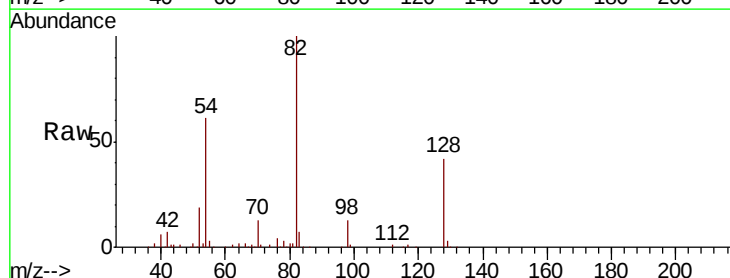
Ion Ratio Lower Upper

70 100

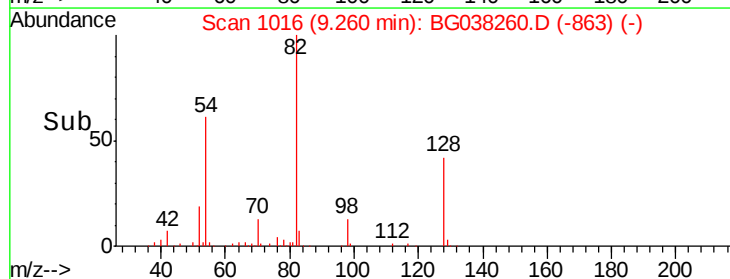
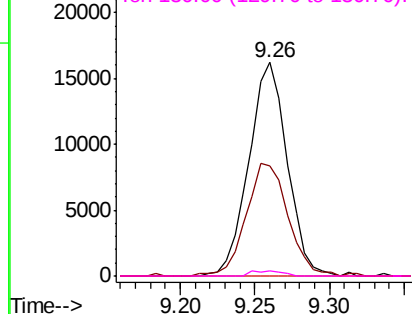
42 51.4 53.9 80.9#

101 0.0 8.2 12.2#

130 2.2 18.2 27.4#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.90 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BG038260.D

Acq: 30 Nov 2018 16:42

Instrument :

BNA_G

ClientSampleId :

AOC8-04-A

Tot Ion:136 Resp: 145592

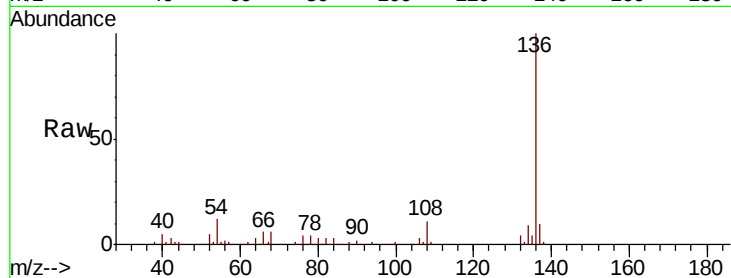
Ion Ratio Lower Upper

136 100

137 10.4 9.6 14.4

54 11.7 7.9 11.9

68 5.7 4.8 7.2

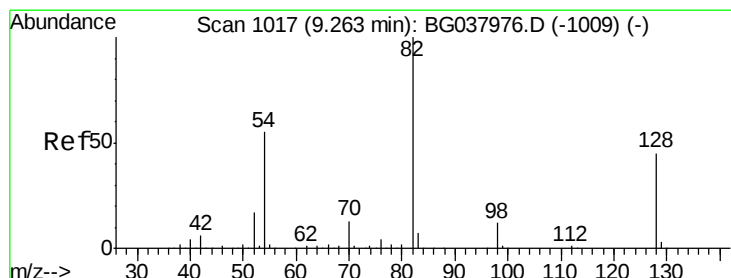
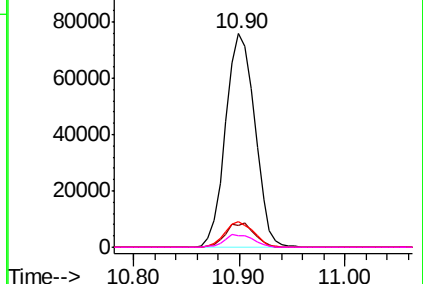
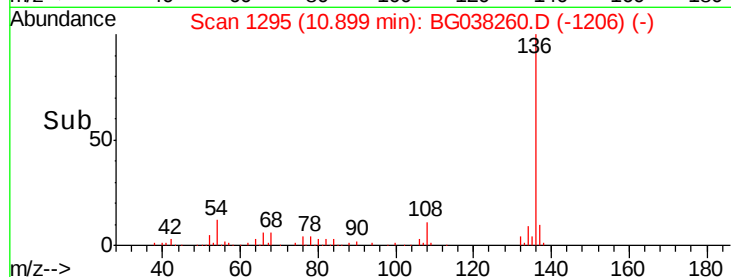


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 82.914 ng

RT: 9.26 min Scan# 1016

Delta R.T. -0.00 min

Lab File: BG038260.D

Acq: 30 Nov 2018 16:42

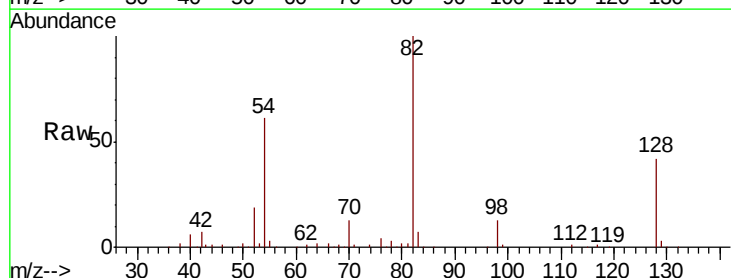
Tgt Ion: 82 Resp: 225511

Ion Ratio Lower Upper

82 100

128 42.3 34.6 51.8

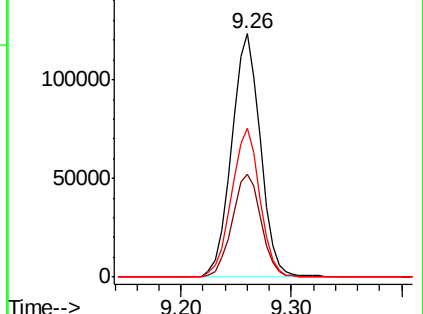
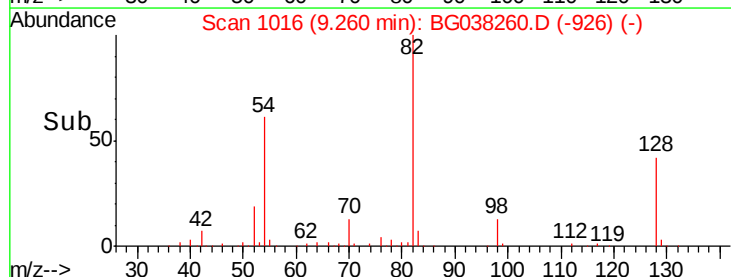
54 60.9 45.3 67.9

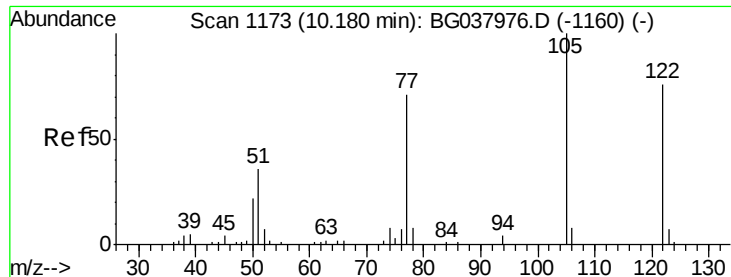


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 12.373 ng

RT: 10.23 min Scan# 1181

Delta R.T. 0.05 min

Lab File: BG038260.D

Acq: 30 Nov 2018 16:42

Instrument :

BNA_G

ClientSampled :

AOC8-04-A

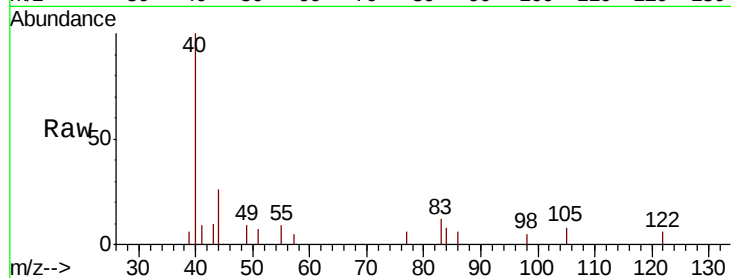
Tot Ion:122 Resp: 73

Ion Ratio Lower Upper

122 100

105 121.6 106.7 146.7

77 92.8 72.2 112.2



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): BGC

10.23

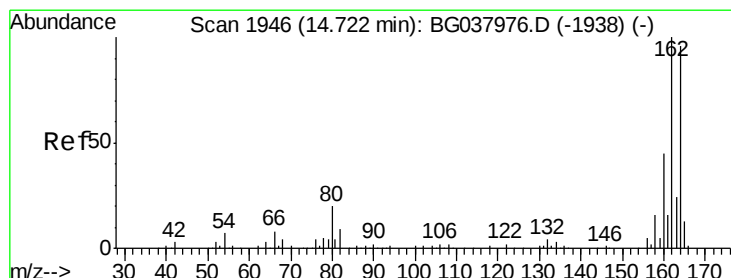
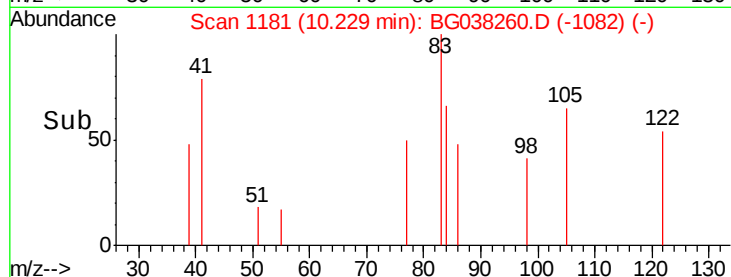
200

100

0

Time-->

10.22 10.24



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.72 min Scan# 1945

Delta R.T. -0.00 min

Lab File: BG038260.D

Acq: 30 Nov 2018 16:42

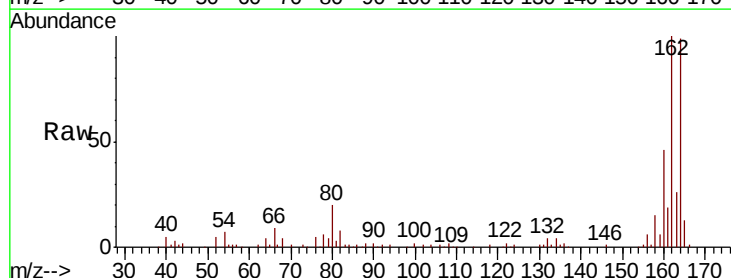
Tgt Ion:164 Resp: 90474

Ion Ratio Lower Upper

164 100

162 101.1 81.3 121.9

160 46.3 36.3 54.5



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

14.72

60000

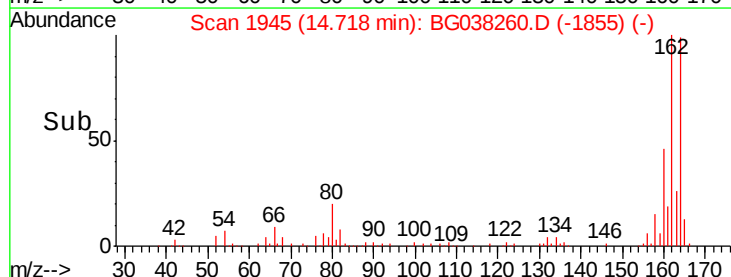
40000

20000

0

Time-->

14.70 14.80

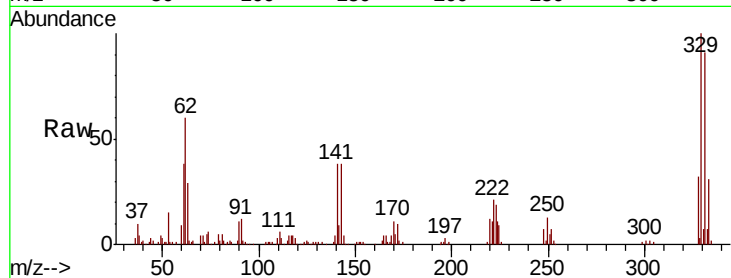




#42
 2,4,6-Tribromophenol
 Concen: 112.956 ng
 RT: 16.20 min Scan# 2198
 Delta R.T. -0.01 min
 Lab File: BG038260.D
 Acq: 30 Nov 2018 16:42

Instrument :
 BNA_G
 ClientSampleId :
 AOC8-04-A

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	78.4	117.6
141	40.8	32.2	48.2

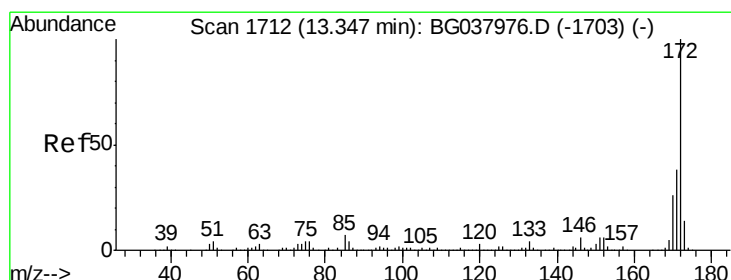
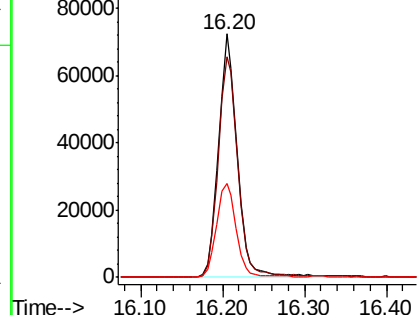
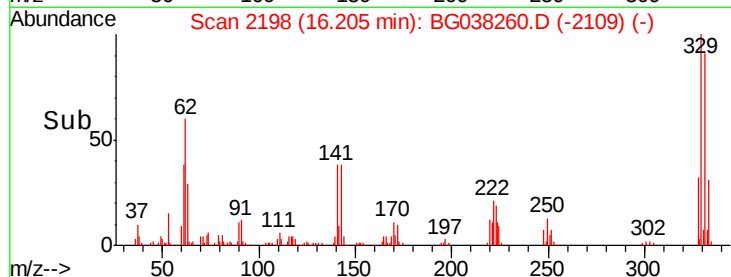


Abundance

Ion 329.80 (329.50 to 330.50): E

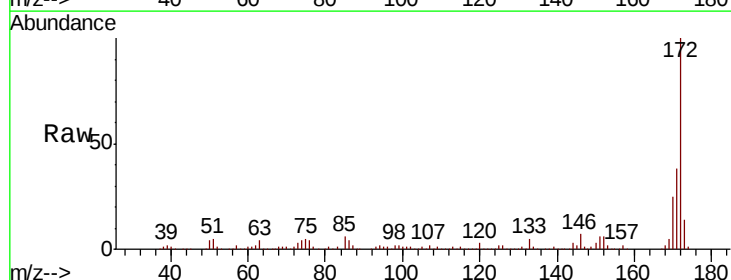
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 77.483 ng
 RT: 13.34 min Scan# 1710
 Delta R.T. -0.01 min
 Lab File: BG038260.D
 Acq: 30 Nov 2018 16:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.3	31.0	46.4
170	25.0	20.2	30.2

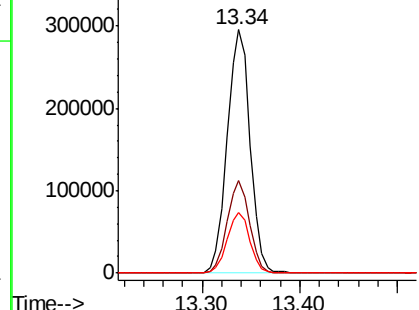
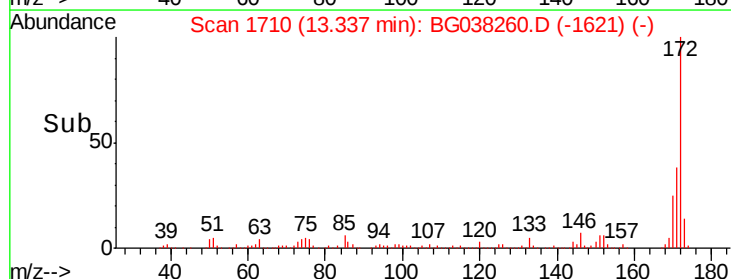


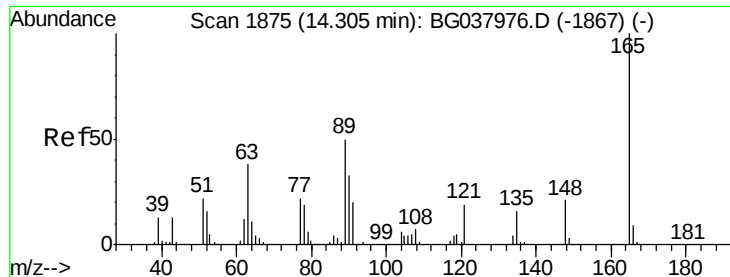
Abundance

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

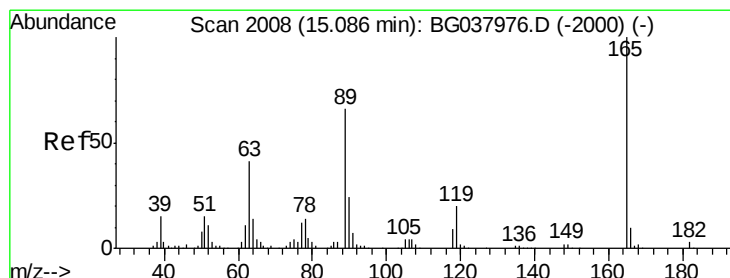
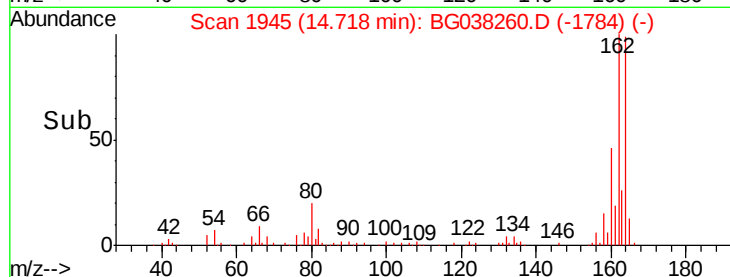
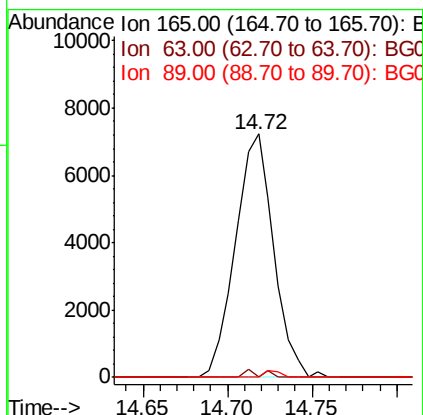
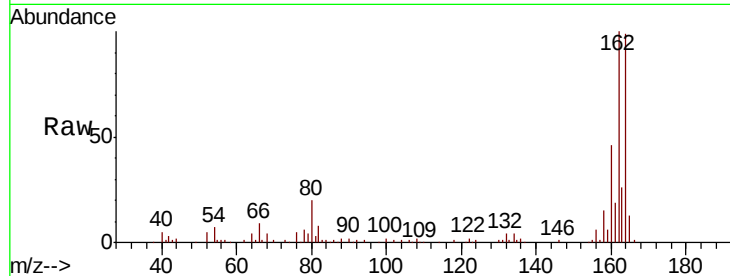




#51
 2,6-Dinitrotoluene
 Concen: 7.007 ng
 RT: 14.72 min Scan# 1945
 Delta R.T. 0.41 min
 Lab File: BG038260.D
 Acq: 30 Nov 2018 16:42

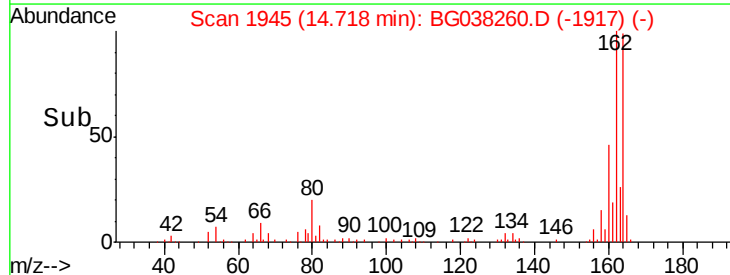
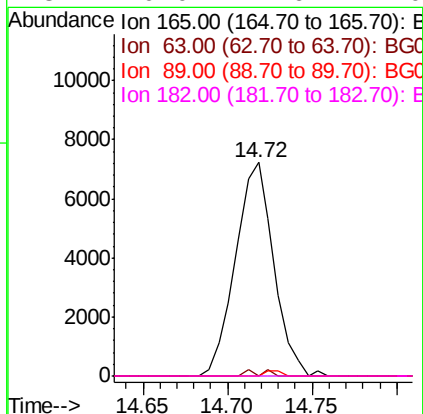
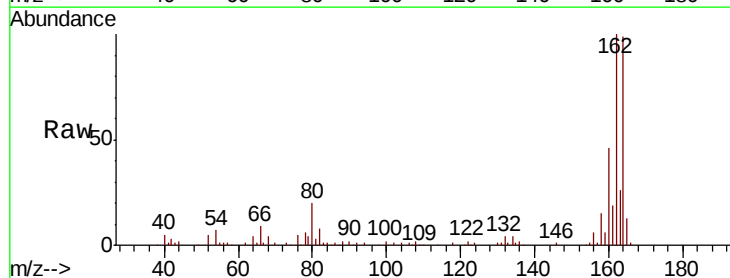
Instrument :
 BNA_G
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 AOC8-04-A

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.4	65.2#
89	0.0	45.8	68.6#



#57
 2,4-Dinitrotoluene
 Concen: 5.150 ng
 RT: 14.72 min Scan# 1945
 Delta R.T. -0.37 min
 Lab File: BG038260.D
 Acq: 30 Nov 2018 16:42

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.4	50.0#
89	0.0	57.2	85.8#
182	0.0	2.6	4.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.46 min Scan# 2412

Delta R.T. -0.01 min

Lab File: BG038260.D

Acq: 30 Nov 2018 16:42

Instrument :

BNA_G

ClientSampleId :

AOC8-04-A

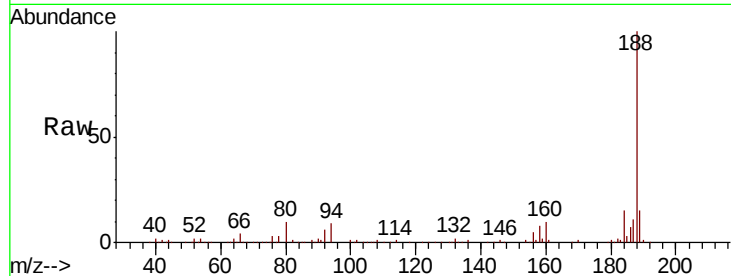
Tot Ion:188 Resp: 198856

Ion Ratio Lower Upper

188 100

94 9.1 7.2 10.8

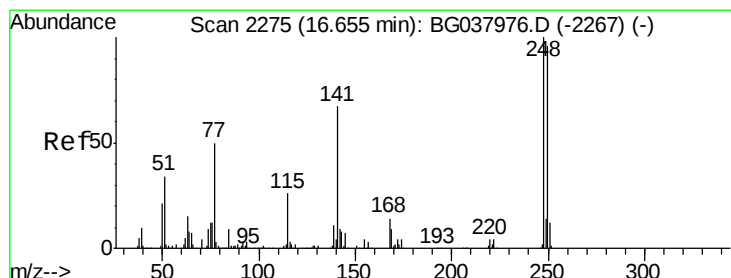
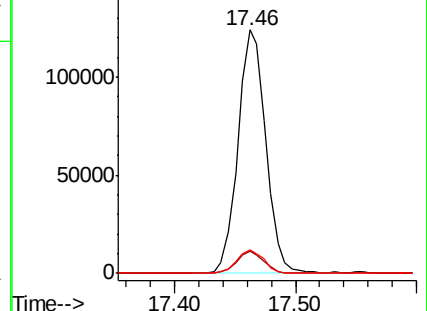
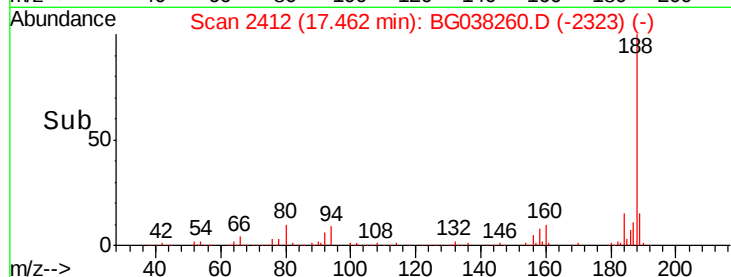
80 9.8 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 3.583 ng

RT: 16.20 min Scan# 2198

Delta R.T. -0.45 min

Lab File: BG038260.D

Acq: 30 Nov 2018 16:42

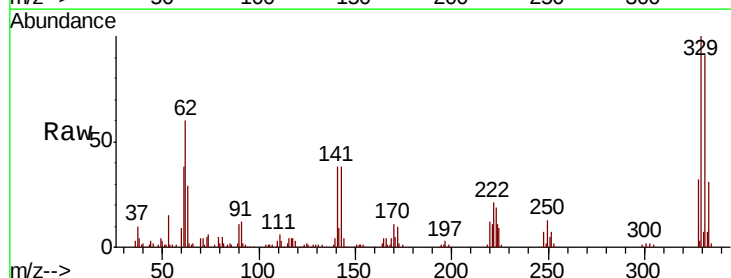
Tgt Ion:248 Resp: 7821

Ion Ratio Lower Upper

248 100

250 198.2 77.0 115.6#

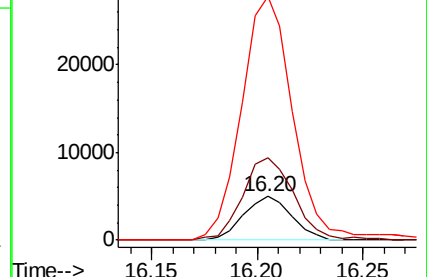
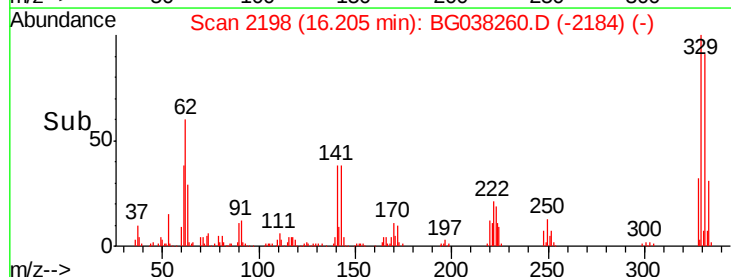
141 433.7 55.5 83.3#

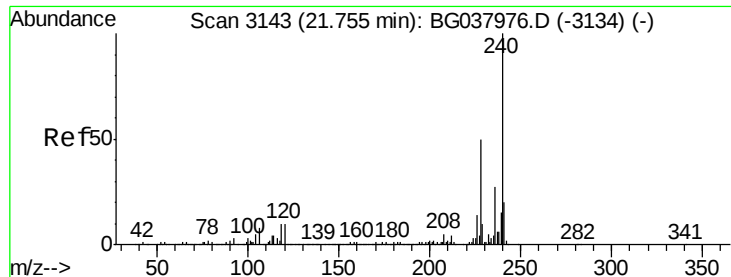


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

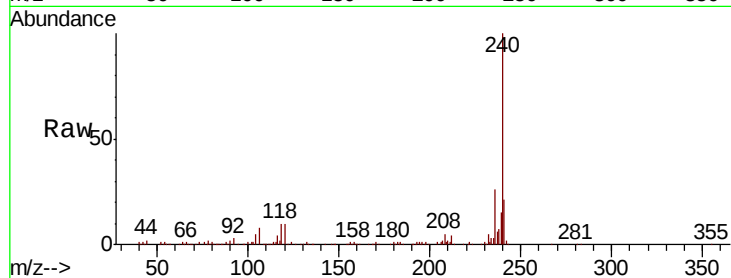




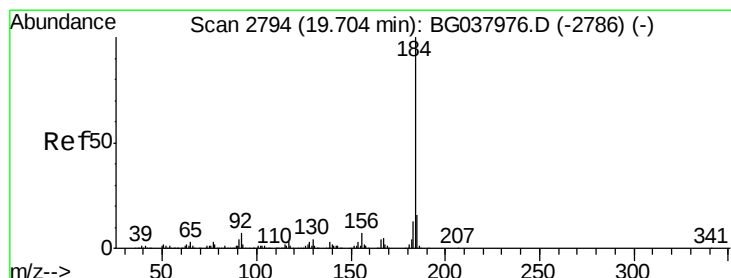
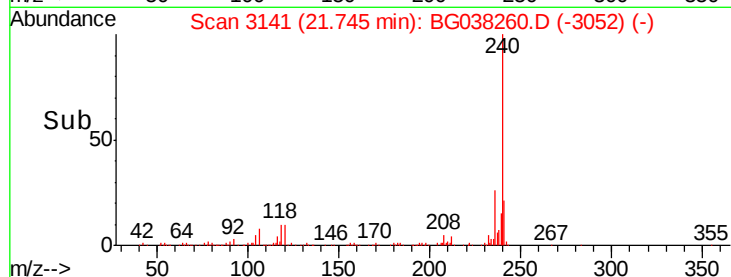
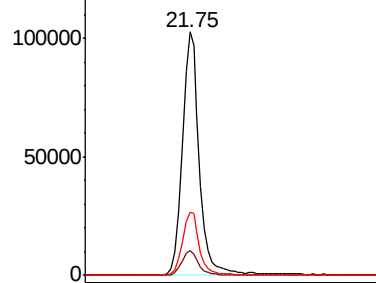
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.75 min Scan# 3141
Delta R.T. -0.01 min
Lab File: BG038260.D
Acq: 30 Nov 2018 16:42

Instrument :
BNA_G
ClientSampleId :
AOC8-04-A

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.1	12.1
236	25.8	21.4	32.0

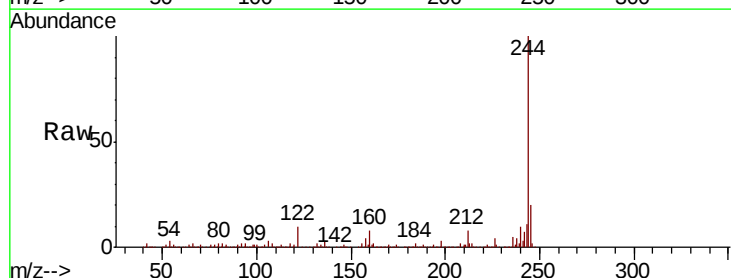


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

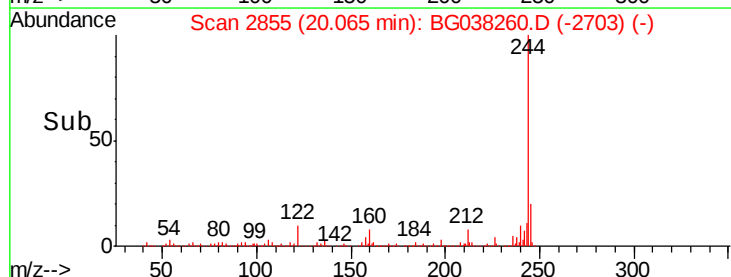
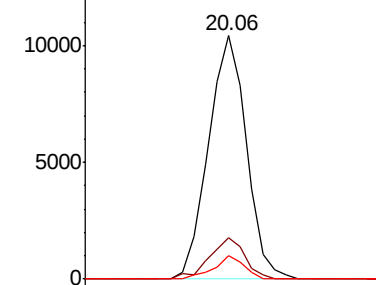


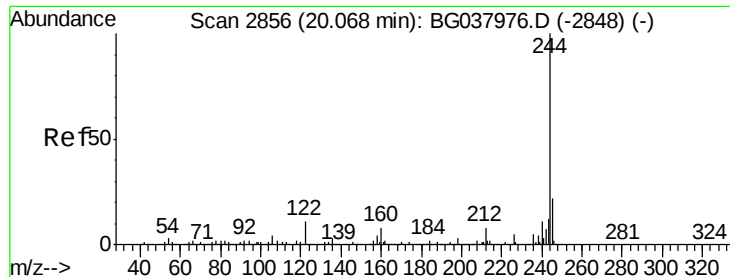
#77
Benzidine
Concen: 2.043 ng
RT: 20.06 min Scan# 2855
Delta R.T. 0.36 min
Lab File: BG038260.D
Acq: 30 Nov 2018 16:42

Tgt Ion	Ratio	Lower	Upper
184	100		
185	17.1	12.6	18.8
183	9.6	10.2	15.2



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 91.743 ng

RT: 20.06 min Scan# 2855

Delta R.T. -0.00 min

Lab File: BG038260.D

Acq: 30 Nov 2018 16:42

Instrument :

BNA_G

ClientSampleId :

AOC8-04-A

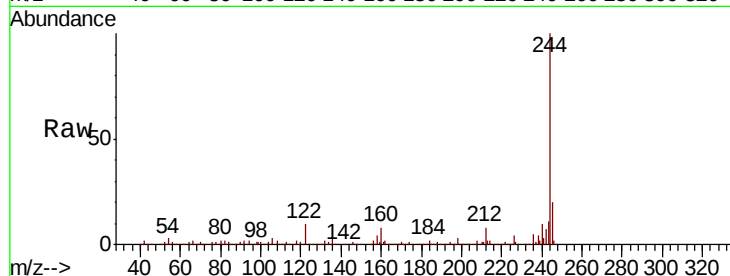
Tot Ion:244 Resp: 760736

Ion Ratio Lower Upper

244 100

212 8.1 6.5 9.7

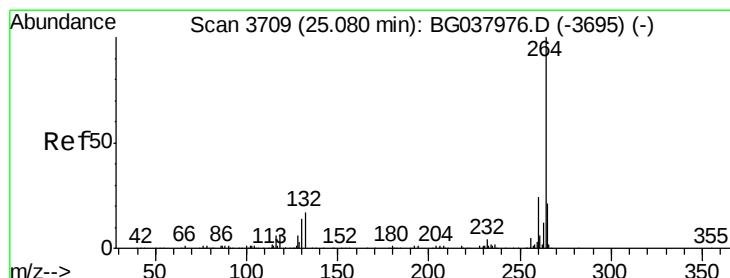
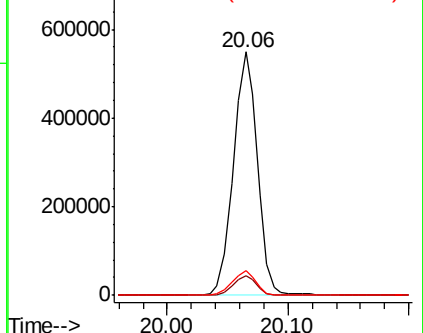
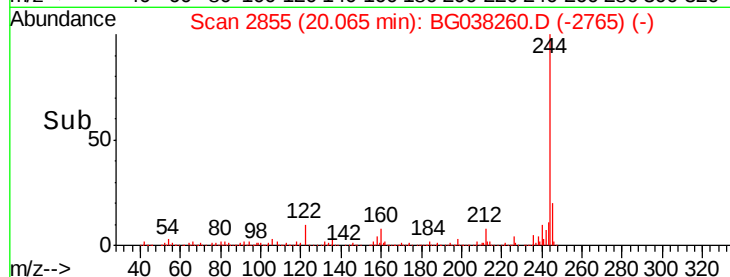
122 10.2 9.0 13.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.07 min Scan# 3707

Delta R.T. -0.01 min

Lab File: BG038260.D

Acq: 30 Nov 2018 16:42

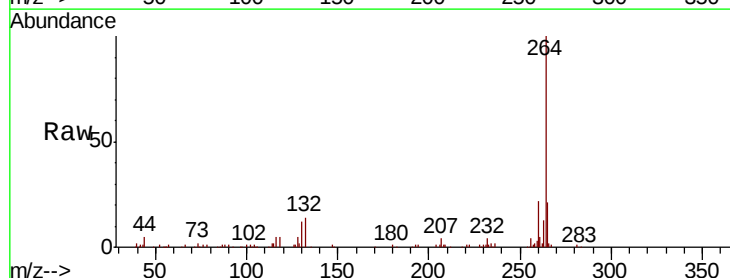
Tgt Ion:264 Resp: 175500

Ion Ratio Lower Upper

264 100

260 22.3 18.2 27.4

265 20.5 17.9 26.9



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

