

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112818\
 Data File : BG038232.D
 Acq On : 29 Nov 2018 13:06
 Operator : JU/SJ
 Sample : PB115120BL
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 29 13:46:26 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

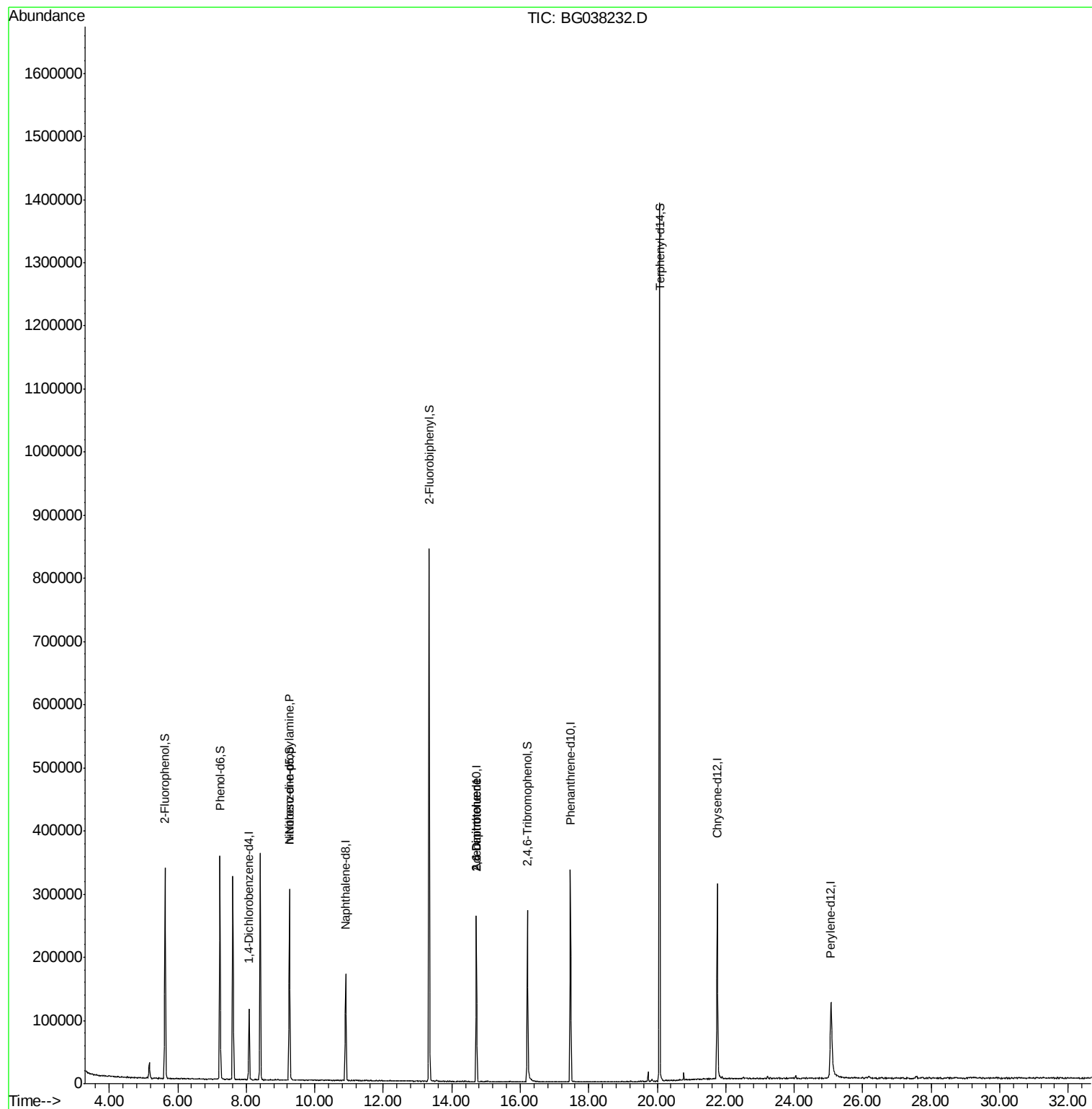
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	33058	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	148690	20.00	ng	0.00
39) Acenaphthene-d10	14.71	164	96471	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	217765	20.00	ng	0.00
76) Chrysene-d12	21.75	240	211843	20.00	ng	0.00
87) Perylene-d12	25.07	264	186880	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	149660	78.16	ng	0.00
7) Phenol-d6	7.23	99	210828	77.14	ng	0.00
23) Nitrobenzene-d5	9.26	82	191369	68.90	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	56180	51.06	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	456633	68.96	ng	0.00
79) Terphenyl-d14	20.07	244	688546	76.48	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.26	70	24506	12.392	ng	# 73
51) 2,6-Dinitrotoluene	14.71	165	12766	7.375	ng	# 23
57) 2,4-Dinitrotoluene	14.71	165	12766	5.421	ng	# 23

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

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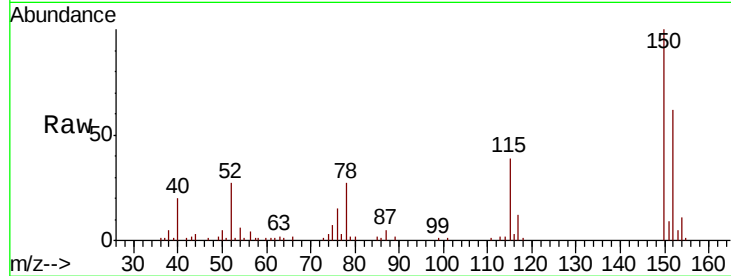


#1

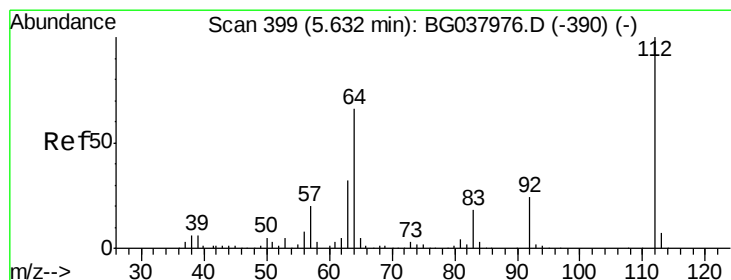
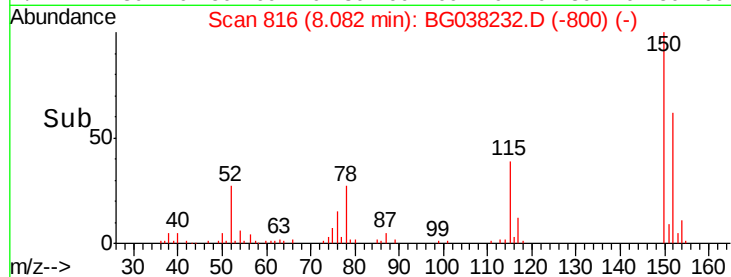
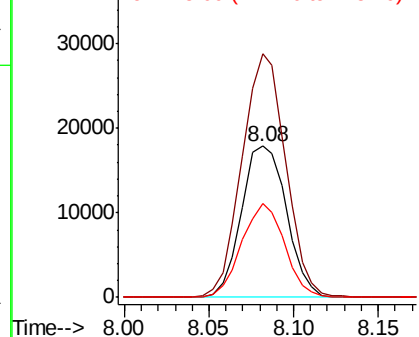
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 816
Delta R.T. -0.01 min
Lab File: BG038232.D
Acq: 29 Nov 2018 13:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 33058
Ion Ratio Lower Upper
152 100
150 160.9 126.0 189.0
115 62.0 45.5 68.3



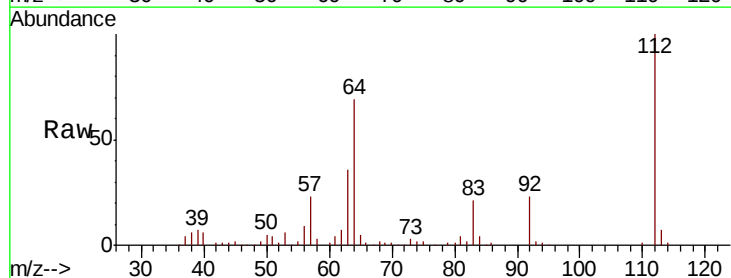
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



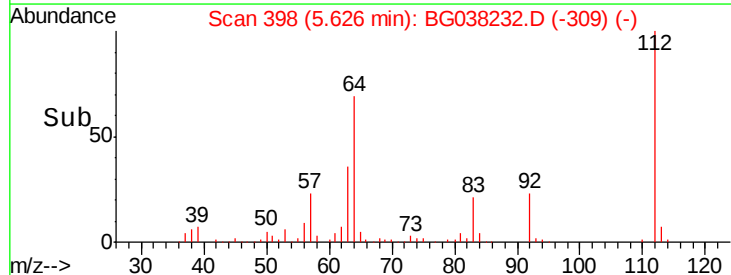
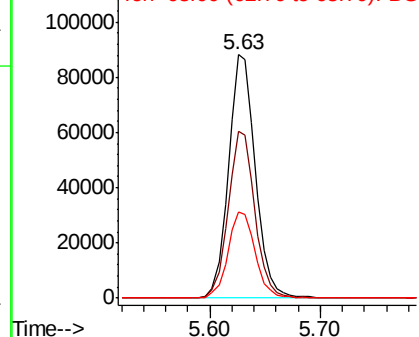
#5

2-Fluorophenol
Concen: 78.165 ng
RT: 5.63 min Scan# 398
Delta R.T. -0.01 min
Lab File: BG038232.D
Acq: 29 Nov 2018 13:06

Tgt Ion:112 Resp: 149660
Ion Ratio Lower Upper
112 100
64 68.6 53.1 79.7
63 35.6 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: 77.139 ng

RT: 7.23 min Scan# 671

Delta R.T. -0.00 min

Lab File: BG038232.D

Acq: 29 Nov 2018 13:06

Instrument :

BNA_G

ClientSampleId :

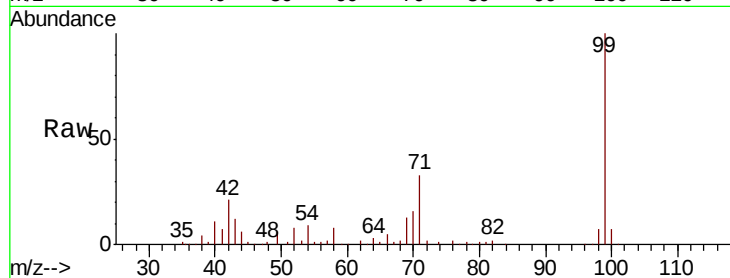
Tot Ion: 99 Resp: 210828

Ion Ratio Lower Upper

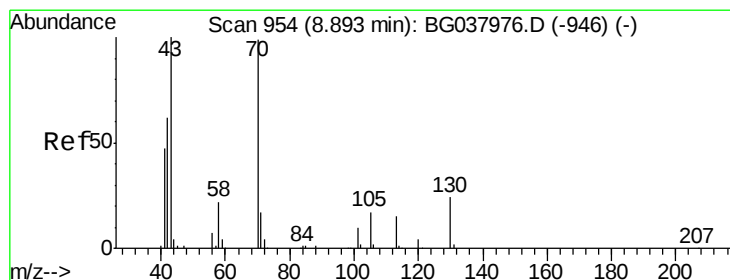
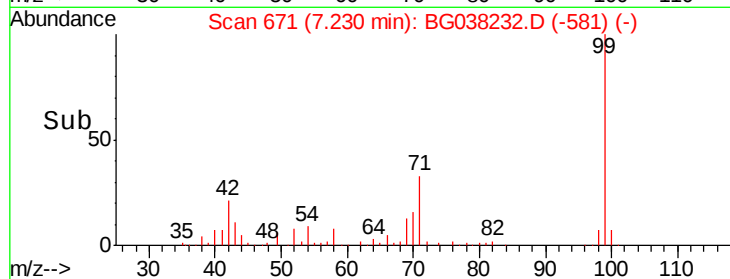
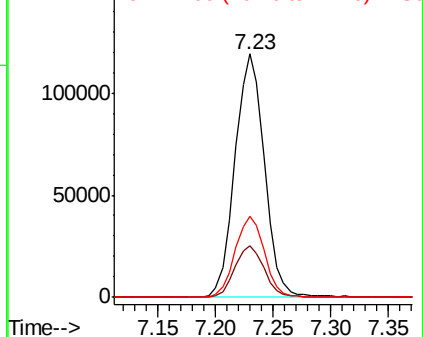
99 100

42 21.3 15.0 22.4

71 33.1 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: 12.392 ng

RT: 9.26 min Scan# 1016

Delta R.T. 0.36 min

Lab File: BG038232.D

Acq: 29 Nov 2018 13:06

Tgt Ion: 70 Resp: 24506

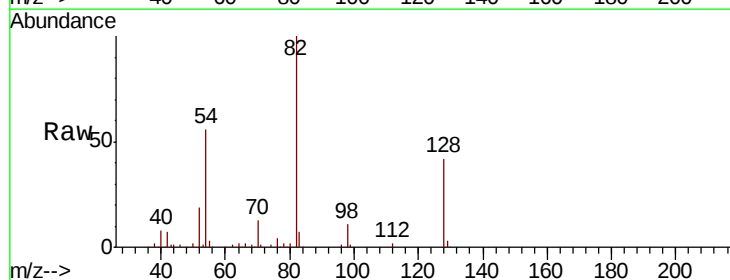
Ion Ratio Lower Upper

70 100

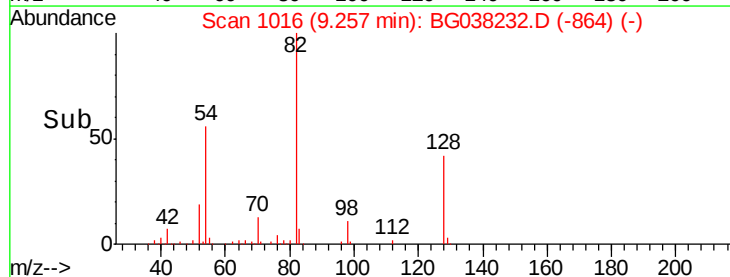
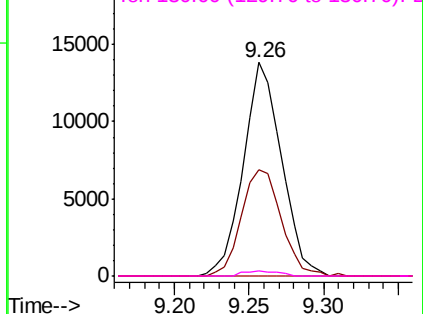
42 49.7 53.9 80.9#

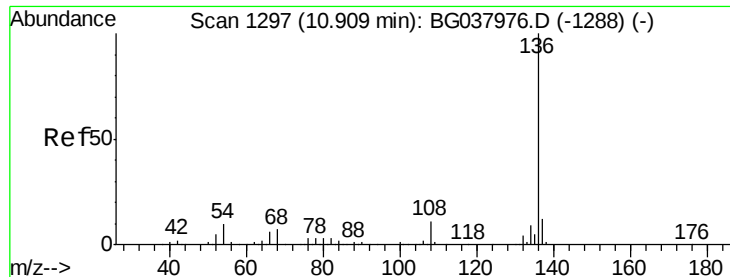
101 0.0 8.2 12.2#

130 2.6 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# 1296

Delta R.T. -0.01 min

Lab File: BG038232.D

Acq: 29 Nov 2018 13:06

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 148690

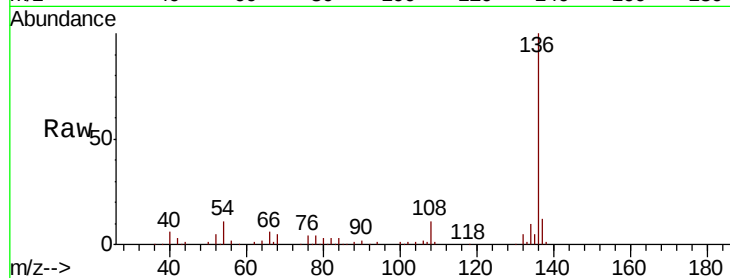
Ion Ratio Lower Upper

136 100

137 11.8 9.6 14.4

54 11.2 7.9 11.9

68 5.5 4.8 7.2

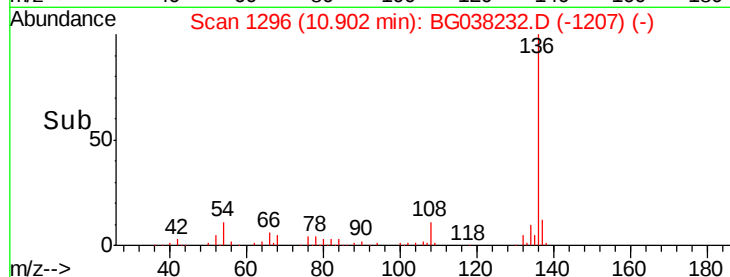


Abundance Ion 136.00 (135.70 to 136.70): E

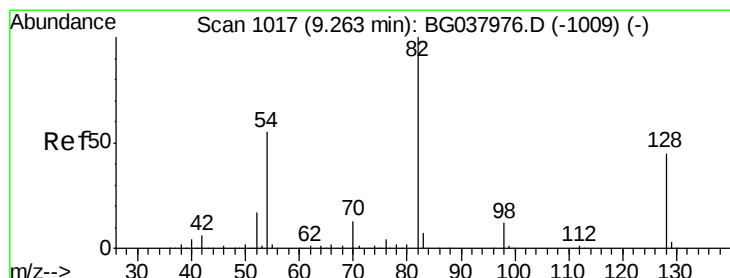
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



Time-->



#23

Nitrobenzene-d5

Concen: 68.895 ng

RT: 9.26 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BG038232.D

Acq: 29 Nov 2018 13:06

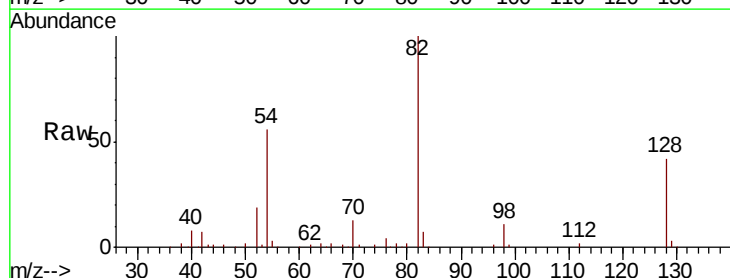
Tgt Ion: 82 Resp: 191369

Ion Ratio Lower Upper

82 100

128 41.8 34.6 51.8

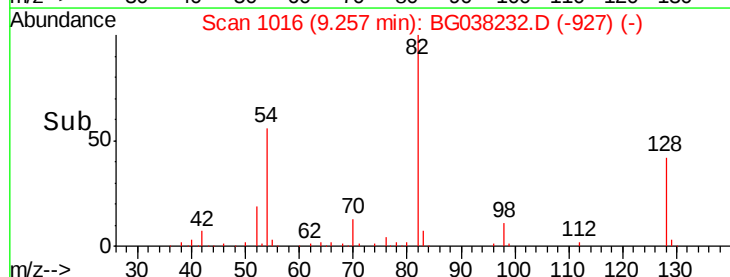
54 56.1 45.3 67.9



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



Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.71 min Scan# 1945

Delta R.T. -0.01 min

Lab File: BG038232.D

Acq: 29 Nov 2018 13:06

Instrument :

BNA_G

ClientSampleId :

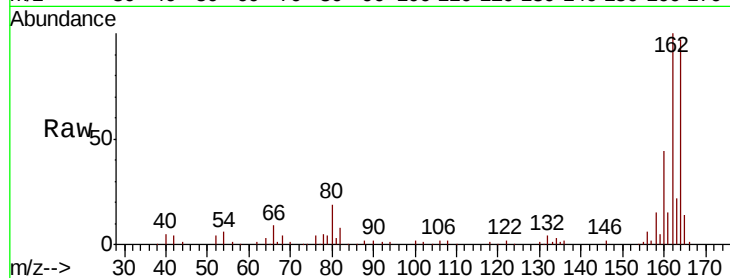
Tot Ion:164 Resp: 96471

Ion Ratio Lower Upper

164 100

162 103.2 81.3 121.9

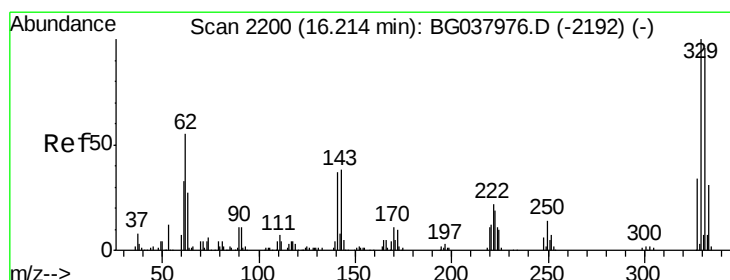
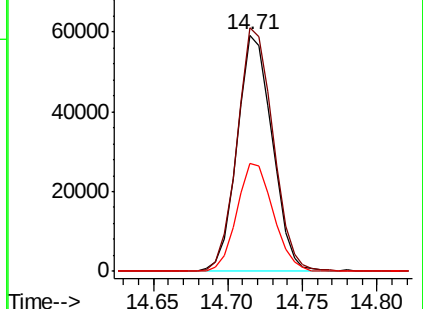
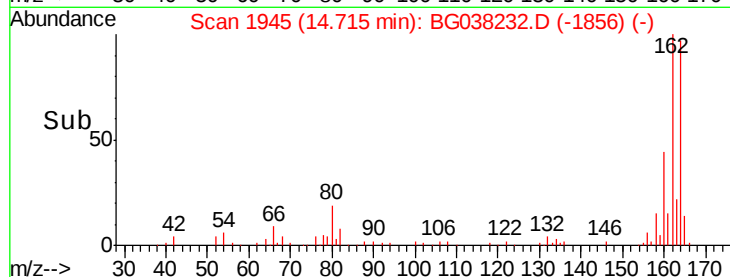
160 45.9 36.3 54.5



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



#42

2,4,6-Tribromophenol

Concen: 51.062 ng

RT: 16.21 min Scan# 2199

Delta R.T. -0.01 min

Lab File: BG038232.D

Acq: 29 Nov 2018 13:06

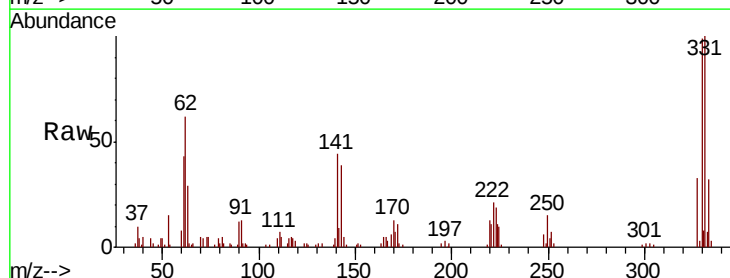
Tgt Ion:330 Resp: 56180

Ion Ratio Lower Upper

330 100

332 99.6 78.4 117.6

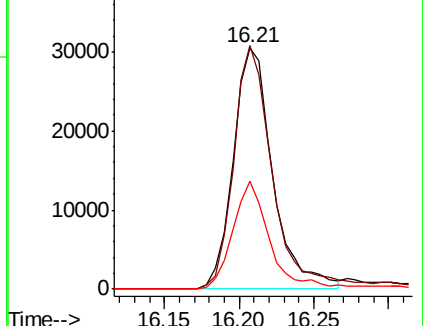
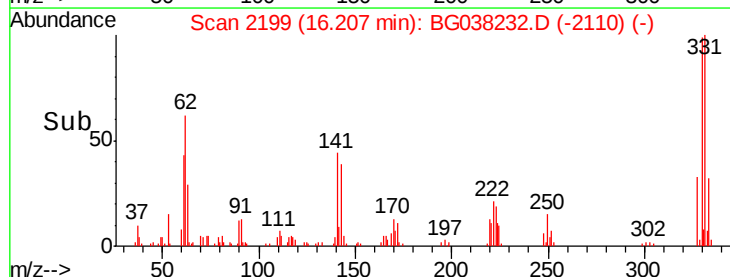
141 43.0 32.2 48.2



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: 68.958 ng

RT: 13.34 min Scan# 1711

Delta R.T. -0.01 min

Lab File: BG038232.D

Acq: 29 Nov 2018 13:06

Instrument :

BNA_G

ClientSampleId :

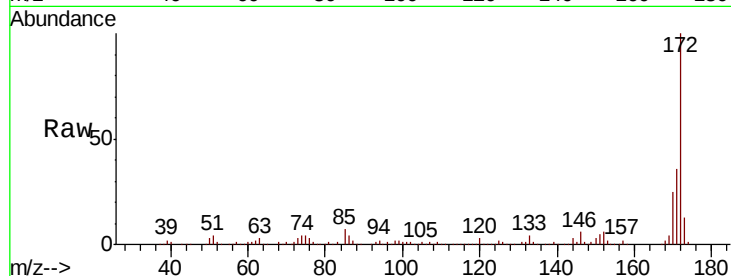
Tot Ion:172 Resp: 456633

Ion Ratio Lower Upper

172 100

171 36.4 31.0 46.4

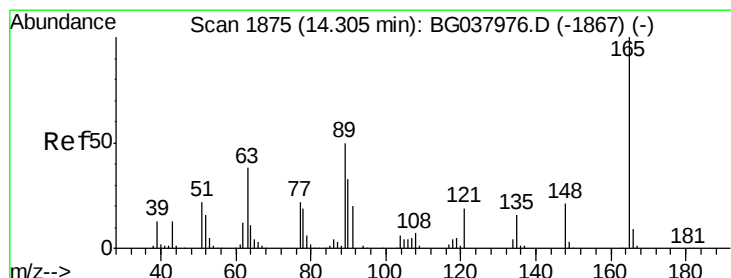
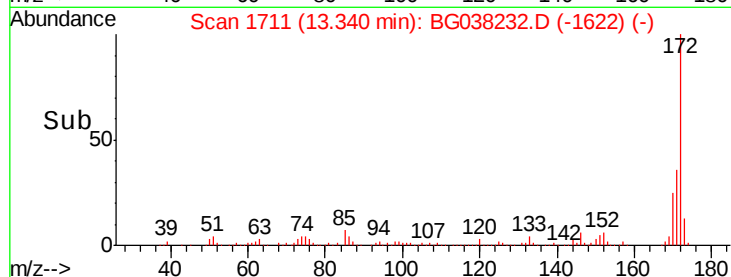
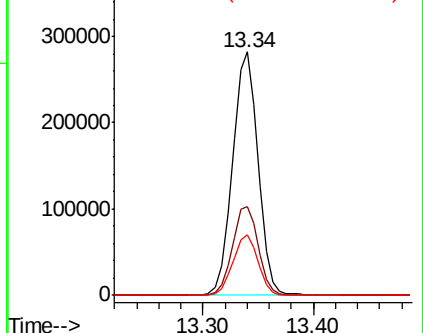
170 25.1 20.2 30.2



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: 7.375 ng

RT: 14.71 min Scan# 1945

Delta R.T. 0.41 min

Lab File: BG038232.D

Acq: 29 Nov 2018 13:06

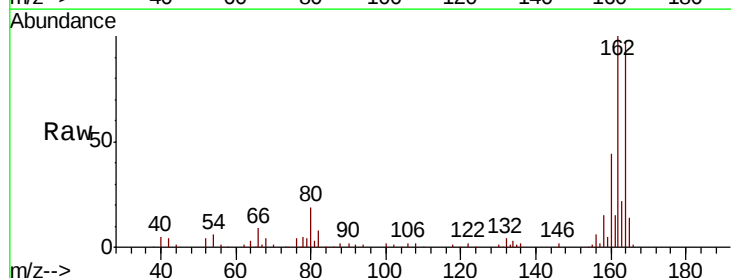
Tgt Ion:165 Resp: 12766

Ion Ratio Lower Upper

165 100

63 0.0 43.4 65.2#

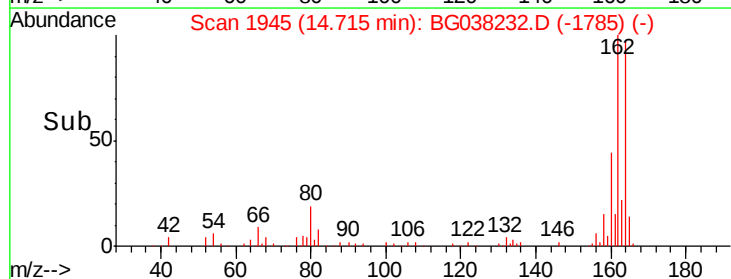
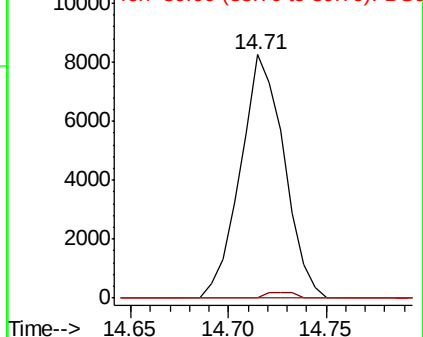
89 0.0 45.8 68.6#

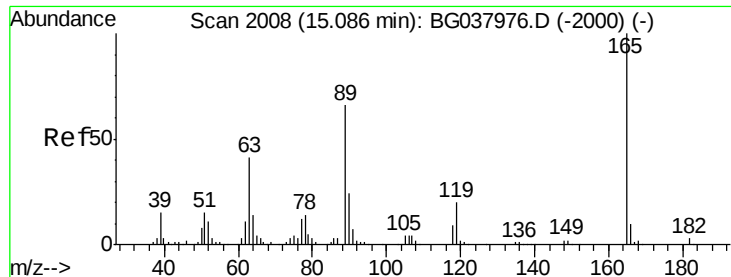


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0

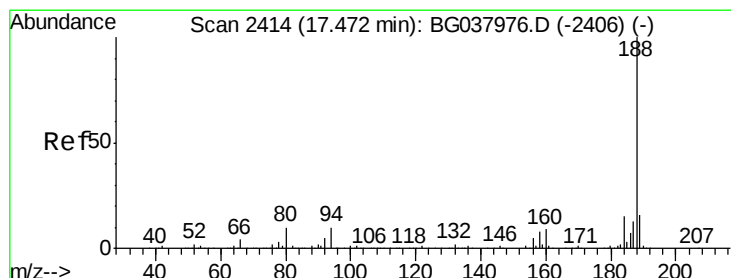
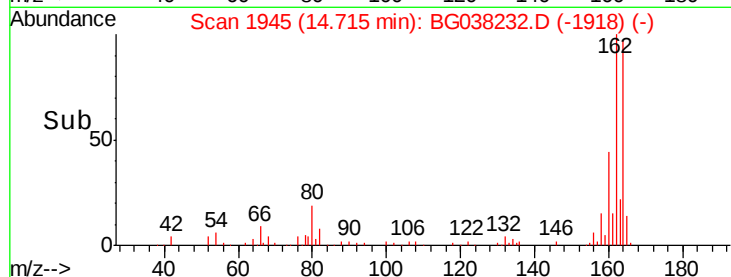
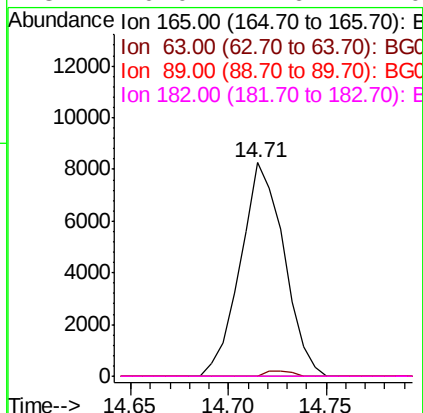
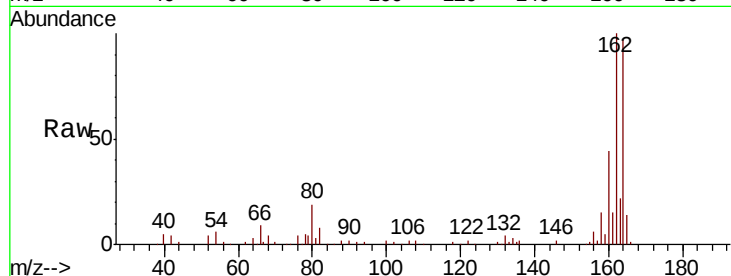




#57
 2,4-Dinitrotoluene
 Concen: 5.421 ng
 RT: 14.71 min Scan# 1945
 Delta R.T. -0.37 min
 Lab File: BG038232.D
 Acq: 29 Nov 2018 13:06

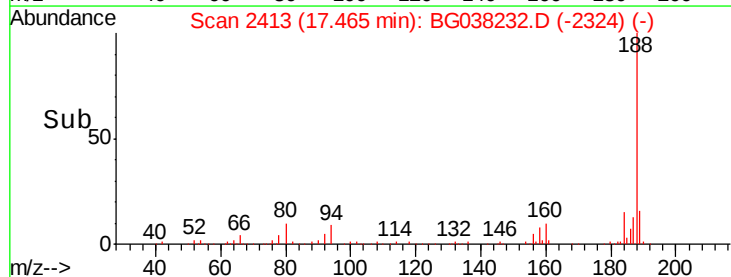
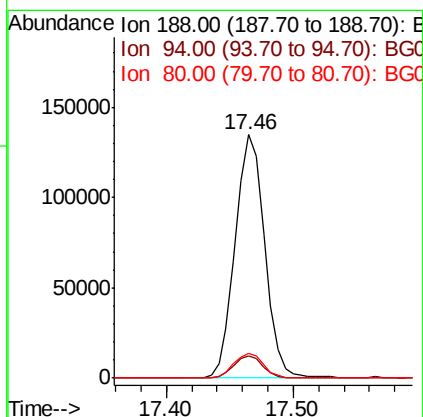
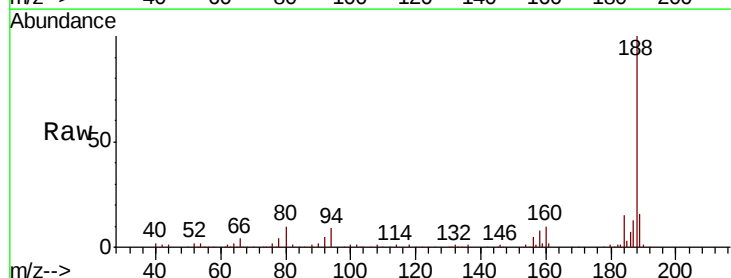
Instrument :
 BNA_G
 ClientSampleId :

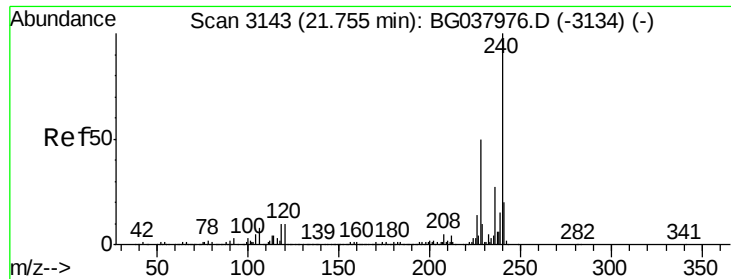
Tot Ion:165	Resp:	12766
Ion Ratio	Lower	Upper
165	100	
63	0.0	33.4 50.0#
89	0.0	57.2 85.8#
182	0.0	2.6 4.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.46 min Scan# 2413
 Delta R.T. -0.01 min
 Lab File: BG038232.D
 Acq: 29 Nov 2018 13:06

Tgt Ion:188	Resp:	217765
Ion Ratio	Lower	Upper
188	100	
94	8.9	7.2 10.8
80	10.1	7.7 11.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.75 min Scan# 3142

Delta R.T. -0.01 min

Lab File: BG038232.D

Acq: 29 Nov 2018 13:06

Instrument :

BNA_G

ClientSampleId :

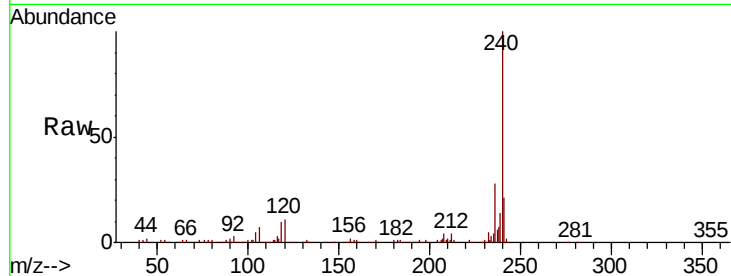
Tot Ion:240 Resp: 211843

Ion Ratio Lower Upper

240 100

120 10.6 8.1 12.1

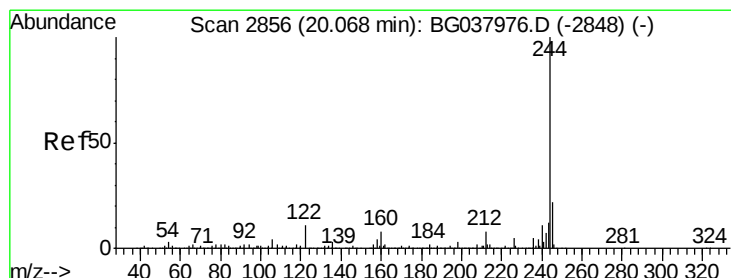
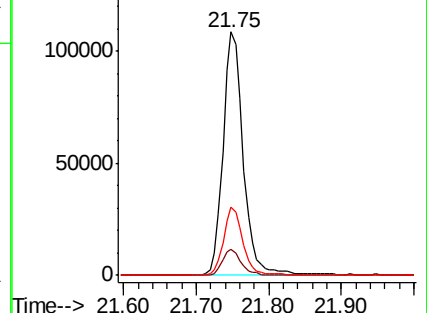
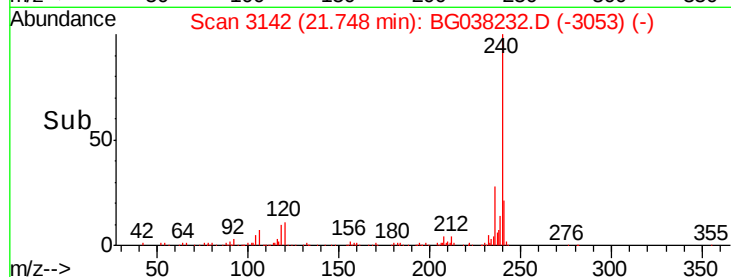
236 28.0 21.4 32.0



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



#79

Terphenyl-d14

Concen: 76.479 ng

RT: 20.07 min Scan# 2856

Delta R.T. -0.00 min

Lab File: BG038232.D

Acq: 29 Nov 2018 13:06

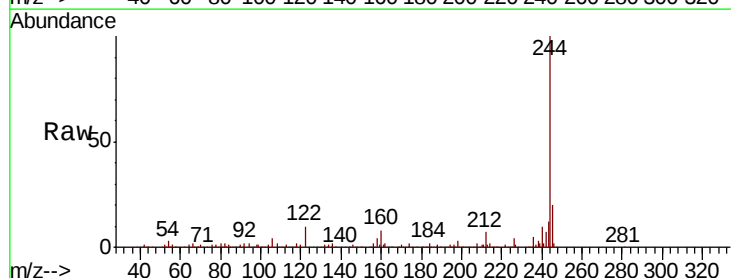
Tgt Ion:244 Resp: 688546

Ion Ratio Lower Upper

244 100

212 7.5 6.5 9.7

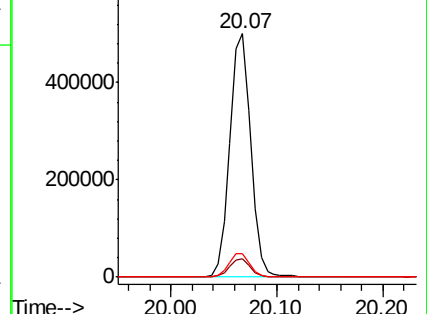
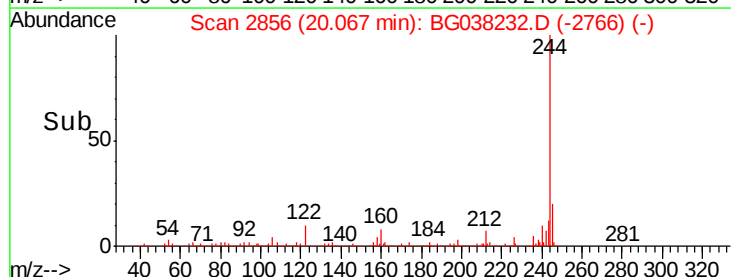
122 9.5 9.0 13.4

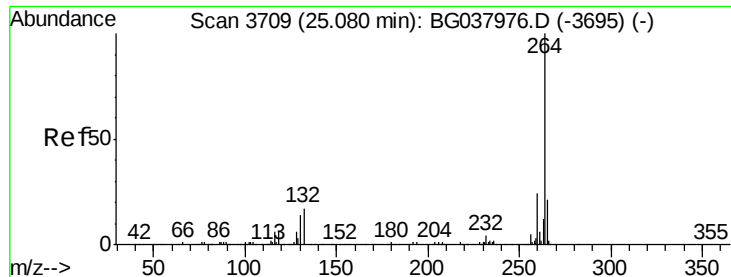


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.07 min Scan# 3707
Delta R.T. -0.01 min
Lab File: BG038232.D
Acq: 29 Nov 2018 13:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.9	18.2	27.4
265	21.8	17.9	26.9

