

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121018\
 Data File : BG038461.D
 Acq On : 11 Dec 2018 8:06
 Operator : JU/SJ
 Sample : J6316-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 11 10:20:33 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG120418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 04 17:15:40 2018
 Response via : Initial Calibration

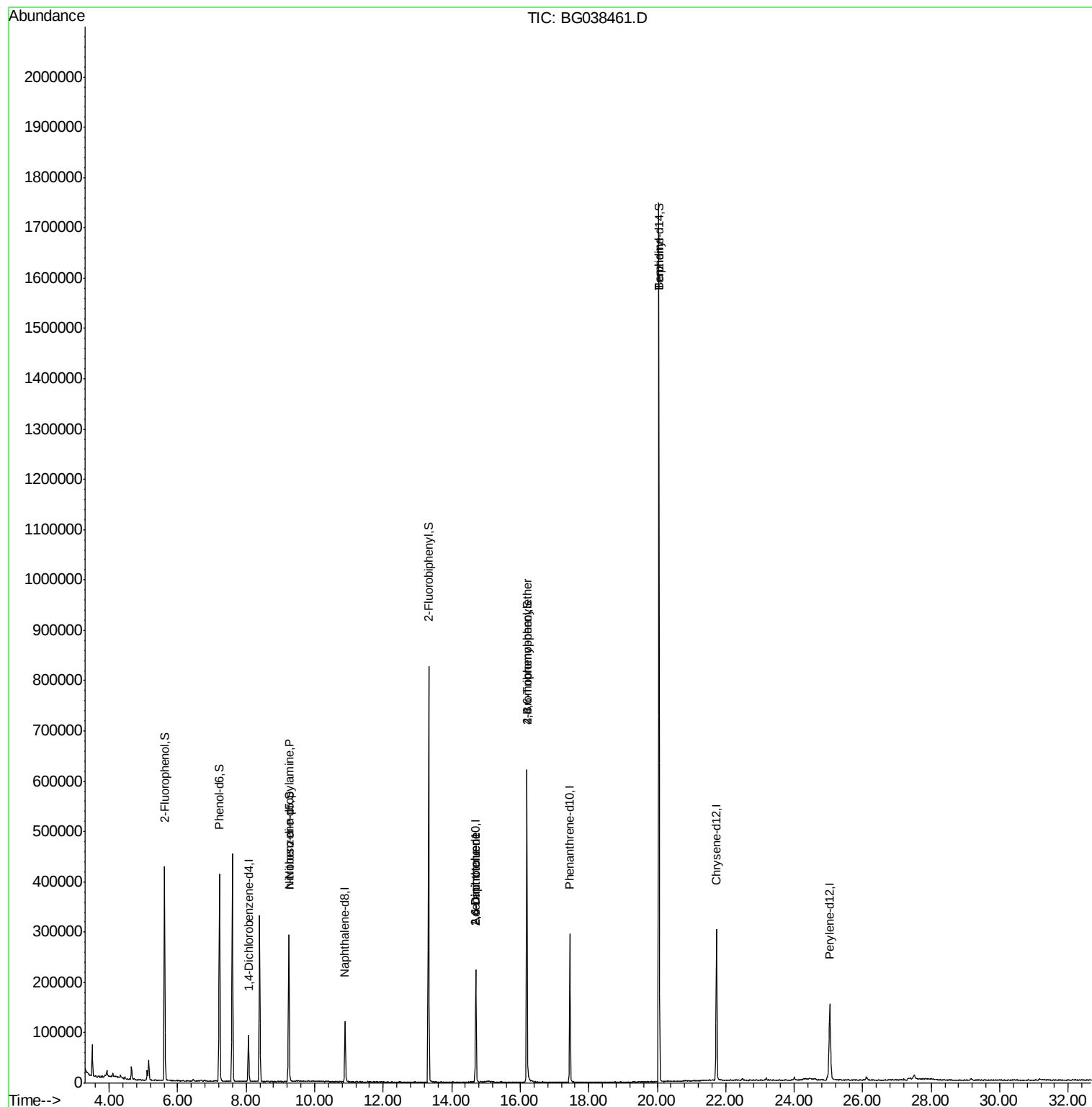
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	25804	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	111709	20.00	ng	0.00
39) Acenaphthene-d10	14.71	164	80770	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	196377	20.00	ng	-0.01
76) Chrysene-d12	21.73	240	196691	20.00	ng	-0.01
87) Perylene-d12	25.04	264	193637	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	183255	125.68	ng	0.00
7) Phenol-d6	7.22	99	236598	112.26	ng	0.00
23) Nitrobenzene-d5	9.25	82	185544	82.46	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	124612	125.67	ng	-0.01
45) 2-Fluorobiphenyl	13.33	172	441172	77.83	ng	0.00
79) Terphenyl-d14	20.05	244	832524	90.67	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.24	70	25275	15.098	ng	# 77
51) 2,6-Dinitrotoluene	14.70	165	10240	6.919	ng	# 23
57) 2,4-Dinitrotoluene	14.70	165	10240	5.017	ng	# 23
67) 4-Bromophenyl-phenylether	16.19	248	8493	4.005	ng	# 1
77) Benzidine	20.05	184	13760	2.073	ng	97

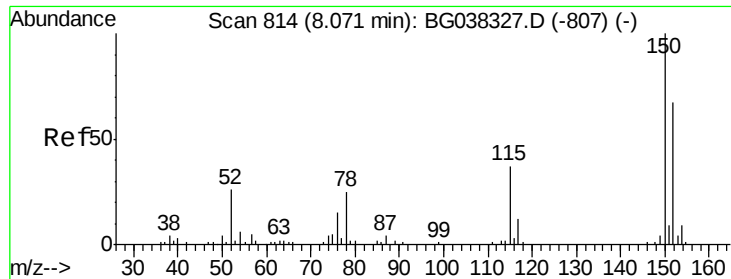
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 04 17:15:40 2018
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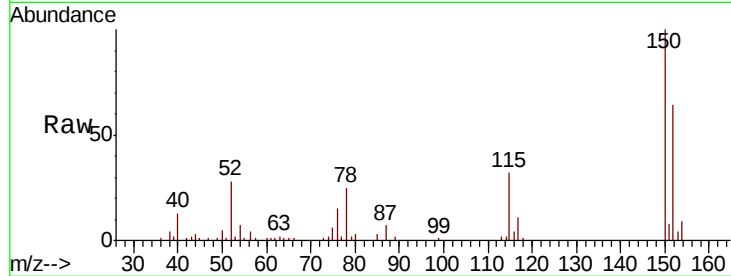


#1

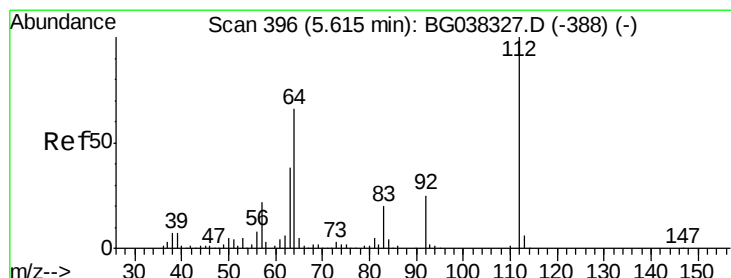
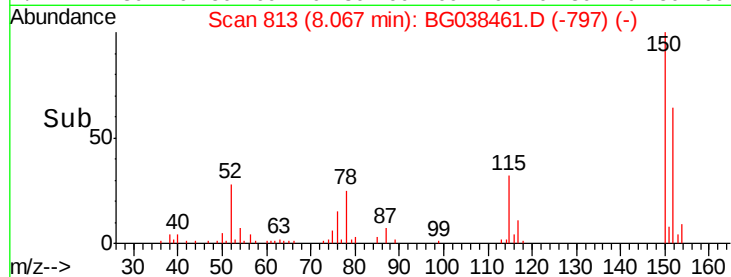
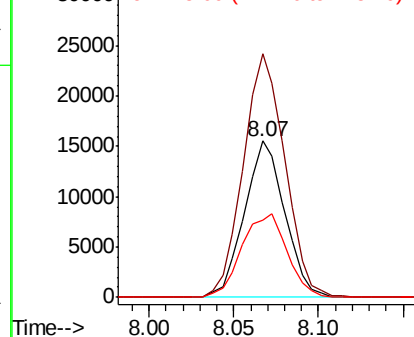
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 813
Delta R.T. -0.00 min
Lab File: BG038461.D
Acq: 11 Dec 2018 8:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 25804
Ion Ratio Lower Upper
152 100
150 156.1 126.0 189.0
115 49.5 45.5 68.3



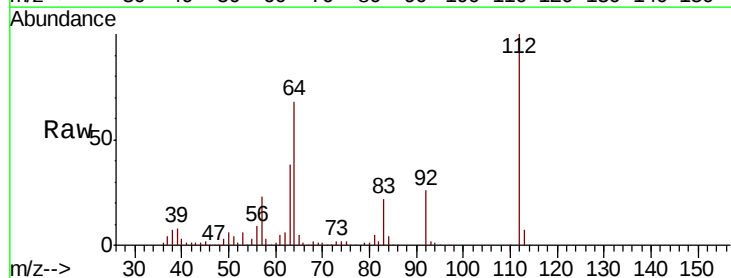
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



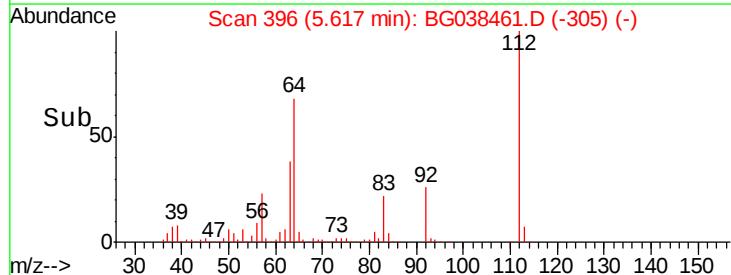
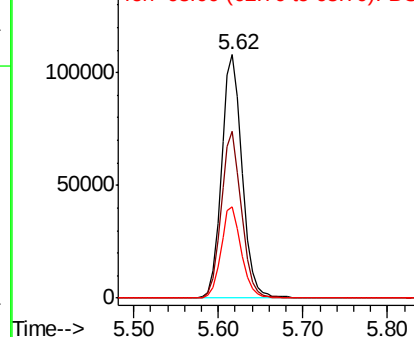
#5

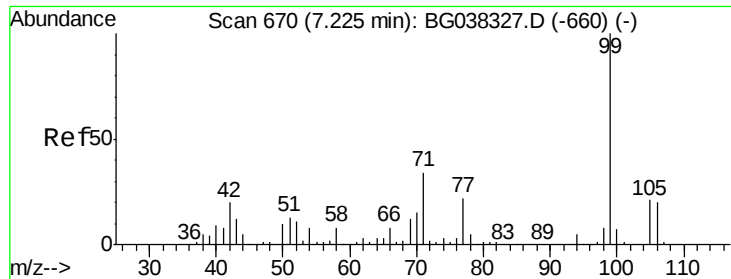
2-Fluorophenol
Concen: 125.677 ng
RT: 5.62 min Scan# 396
Delta R.T. 0.00 min
Lab File: BG038461.D
Acq: 11 Dec 2018 8:06

Tgt Ion:112 Resp: 183255
Ion Ratio Lower Upper
112 100
64 68.3 53.1 79.7
63 37.7 27.3 40.9



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





#7

Phenol-d6

Concen: 112.264 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG038461.D

Acq: 11 Dec 2018 8:06

Instrument :

BNA_G

ClientSampleId :

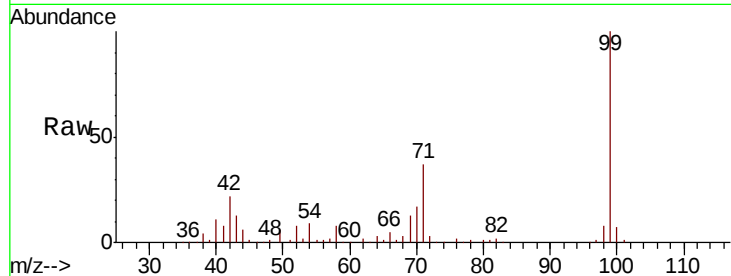
Tot Ion: 99 Resp: 236598

Ion Ratio Lower Upper

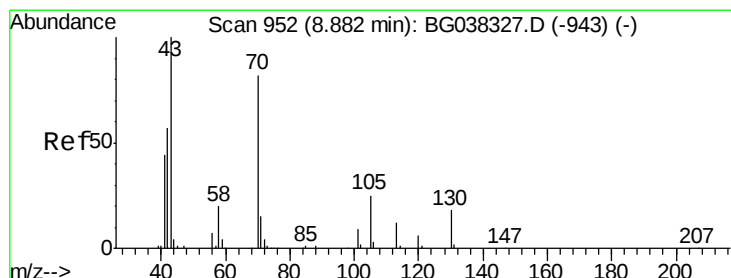
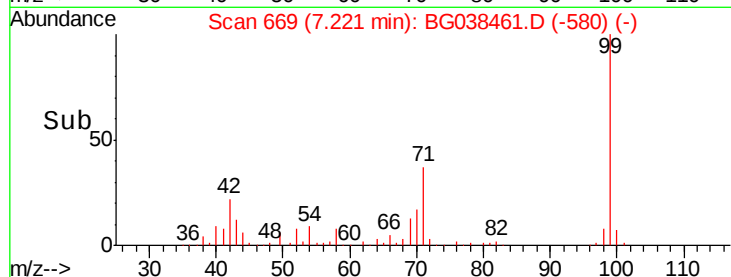
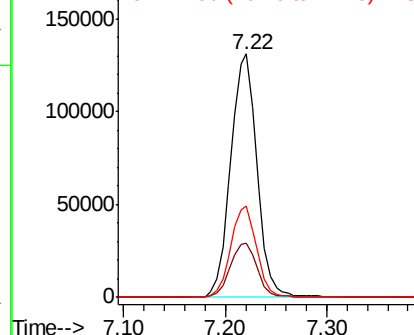
99 100

42 22.5 15.0 22.4#

71 37.4 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: 15.098 ng

RT: 9.24 min Scan# 1013

Delta R.T. 0.36 min

Lab File: BG038461.D

Acq: 11 Dec 2018 8:06

Tgt Ion: 70 Resp: 25275

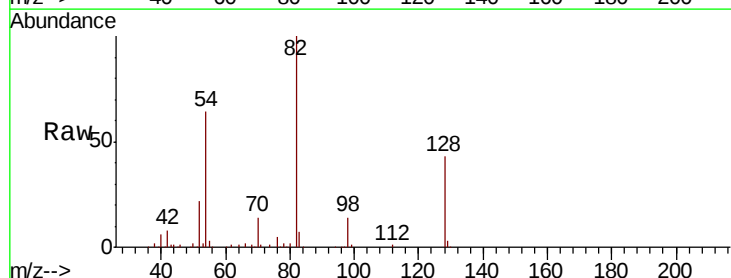
Ion Ratio Lower Upper

70 100

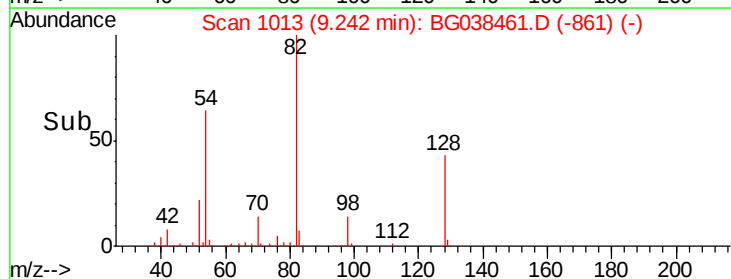
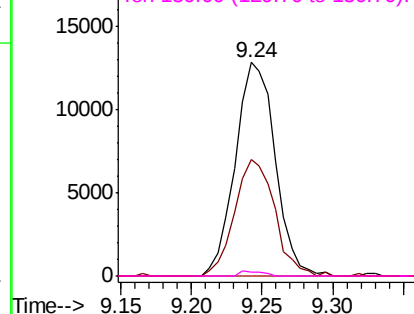
42 54.6 53.9 80.9

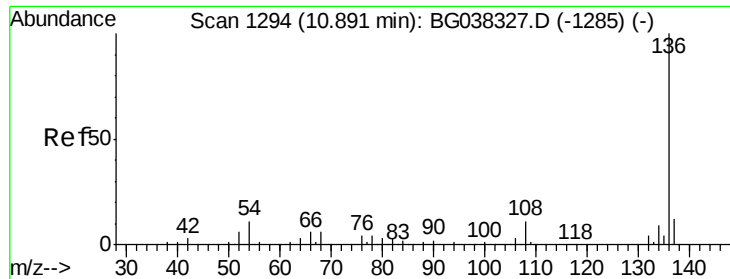
101 0.0 8.2 12.2#

130 1.6 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

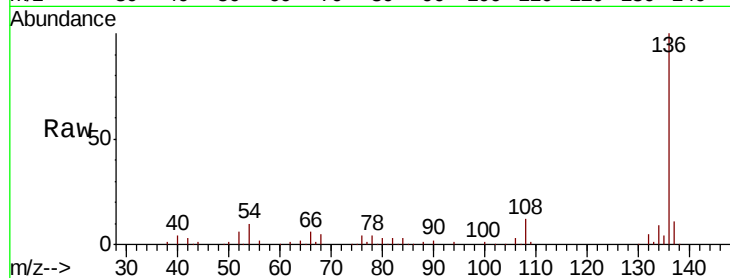




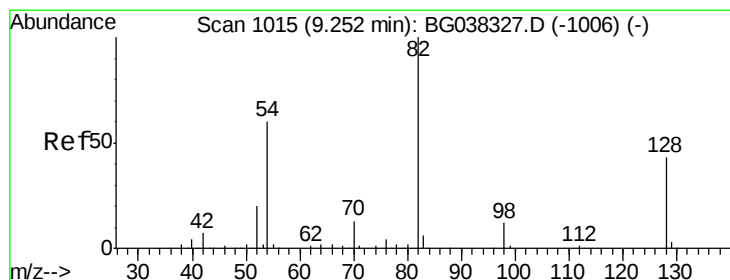
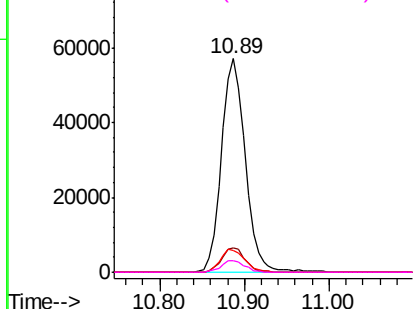
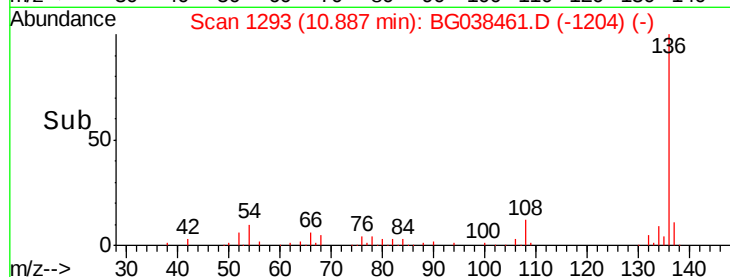
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1293
Delta R.T. -0.00 min
Lab File: BG038461.D
Acq: 11 Dec 2018 8:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	111709
Ion	Ratio	Lower Upper
136	100	
137	11.3	9.6 14.4
54	10.5	7.9 11.9
68	5.2	4.8 7.2

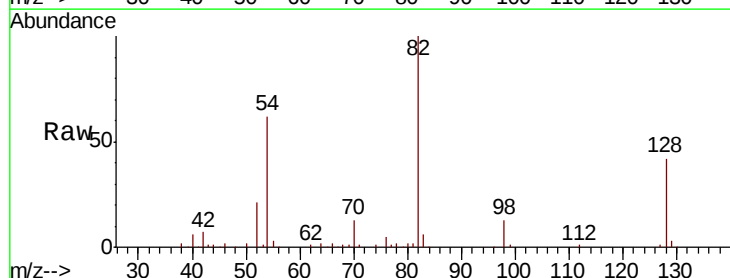


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

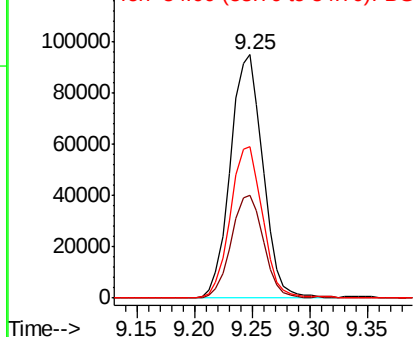
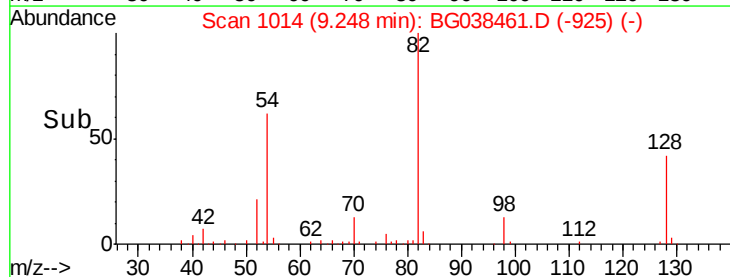


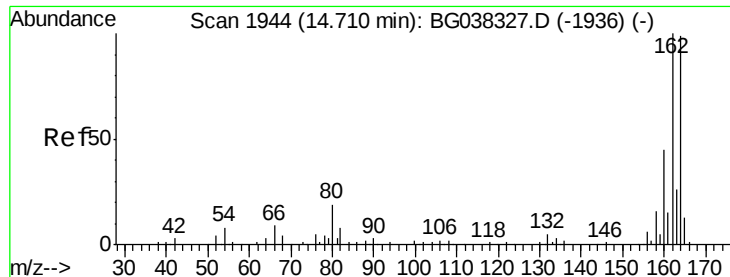
#23
Nitrobenzene-d5
Concen: 82.463 ng
RT: 9.25 min Scan# 1014
Delta R.T. -0.00 min
Lab File: BG038461.D
Acq: 11 Dec 2018 8:06

Tgt Ion: 82	Resp:	185544
Ion	Ratio	Lower Upper
82	100	
128	42.0	34.6 51.8
54	62.4	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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.71 min Scan# 1943

Delta R.T. -0.00 min

Lab File: BG038461.D

Acq: 11 Dec 2018 8:06

Instrument :

BNA_G

ClientSampleId :

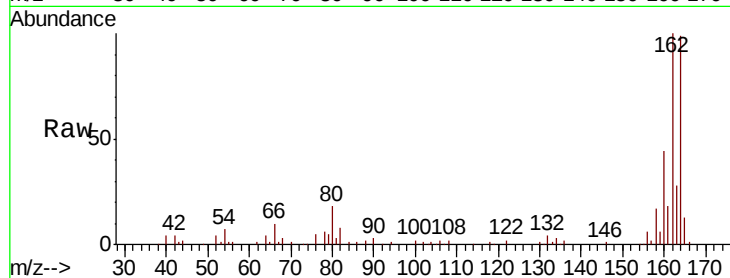
Tot Ion:164 Resp: 80770

Ion Ratio Lower Upper

164 100

162 100.8 81.3 121.9

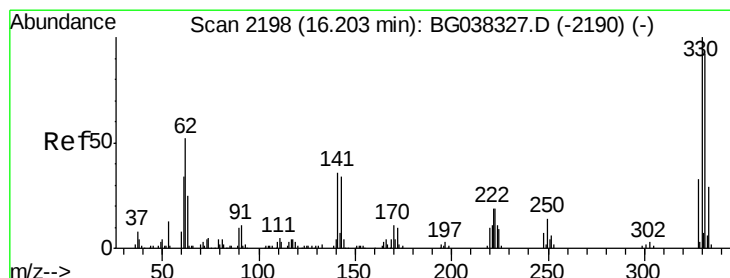
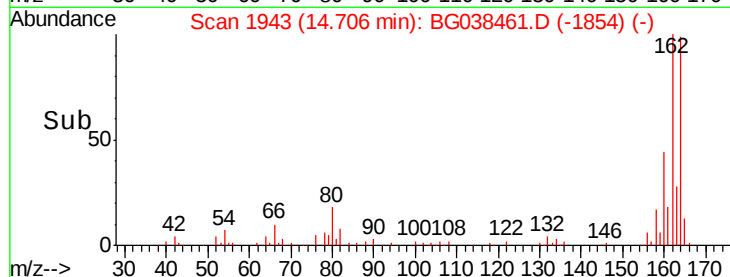
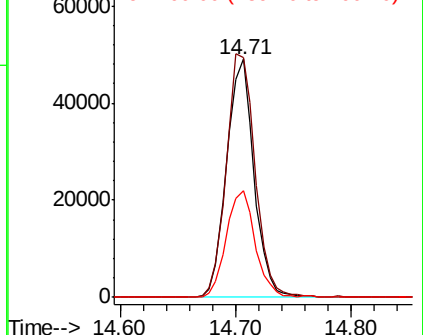
160 44.7 36.3 54.5



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: 125.674 ng

RT: 16.19 min Scan# 2196

Delta R.T. -0.01 min

Lab File: BG038461.D

Acq: 11 Dec 2018 8:06

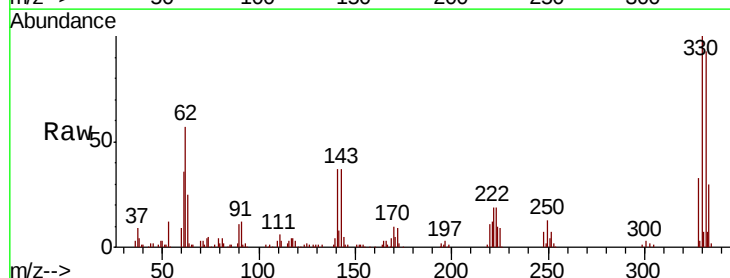
Tgt Ion:330 Resp: 124612

Ion Ratio Lower Upper

330 100

332 97.7 78.4 117.6

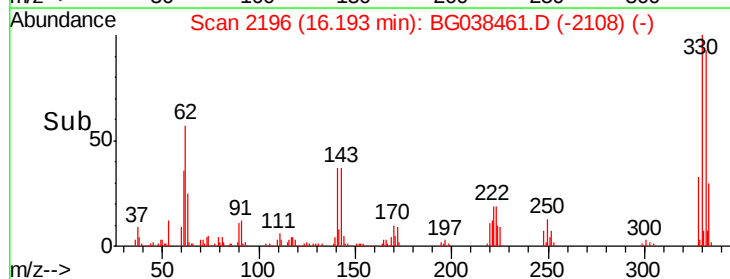
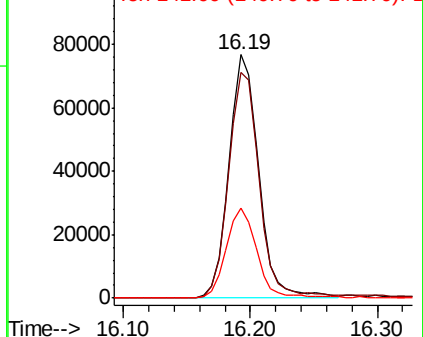
141 38.1 32.2 48.2

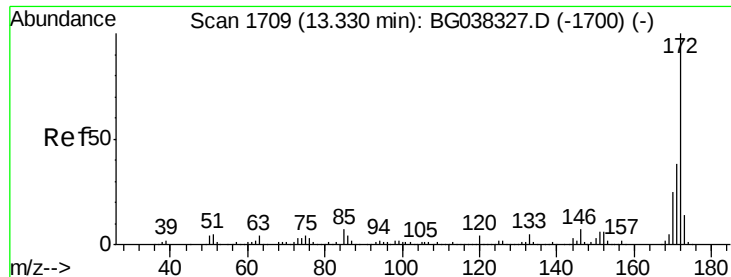


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

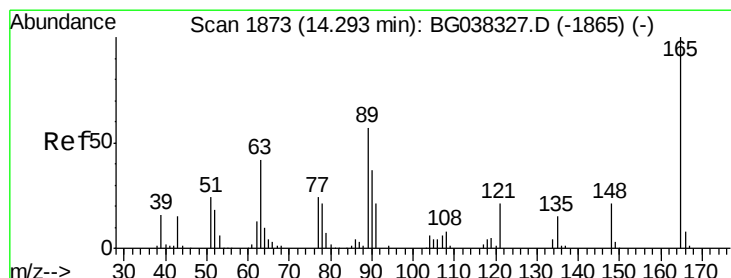
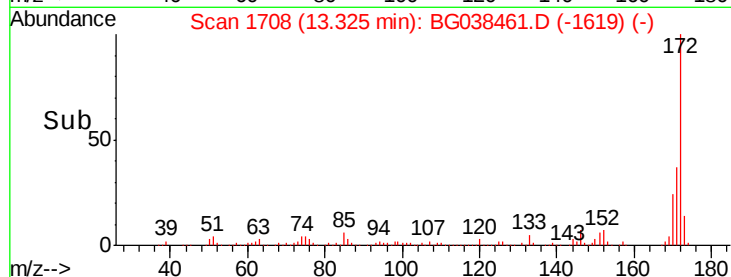
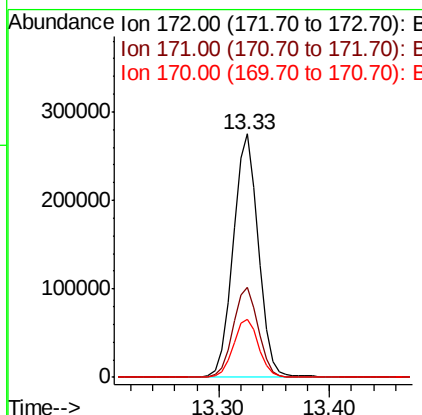
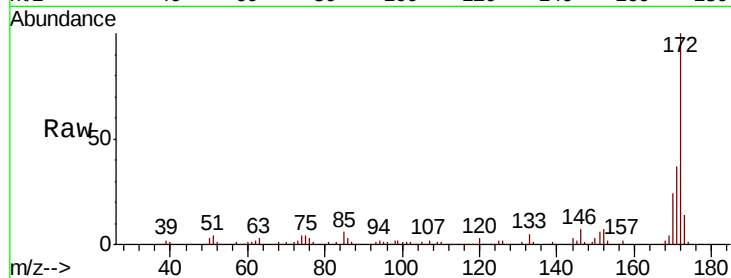




#45
2-Fluorobiphenyl
Concen: 77.830 ng
RT: 13.33 min Scan# 1708
Delta R.T. -0.00 min
Lab File: BG038461.D
Acq: 11 Dec 2018 8:06

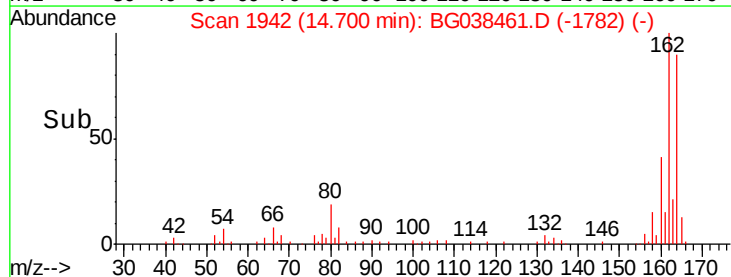
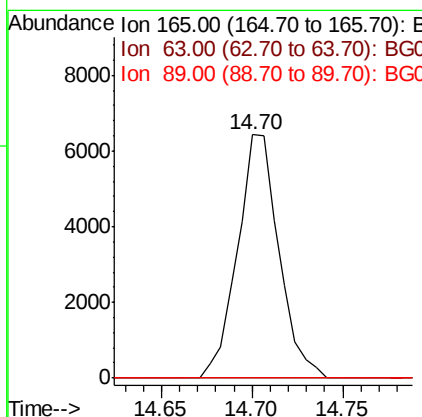
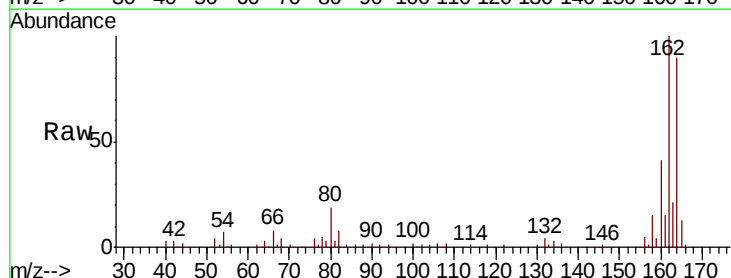
Instrument :
BNA_G
ClientSampleId :

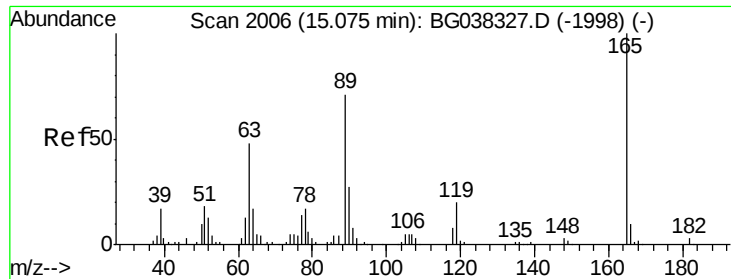
Tot Ion:172 Resp: 441172
Ion Ratio Lower Upper
172 100
171 37.0 31.0 46.4
170 23.8 20.2 30.2



#51
2,6-Dinitrotoluene
Concen: 6.919 ng
RT: 14.70 min Scan# 1942
Delta R.T. 0.41 min
Lab File: BG038461.D
Acq: 11 Dec 2018 8:06

Tgt Ion:165 Resp: 10240
Ion Ratio Lower Upper
165 100
63 0.0 43.4 65.2#
89 0.0 45.8 68.6#

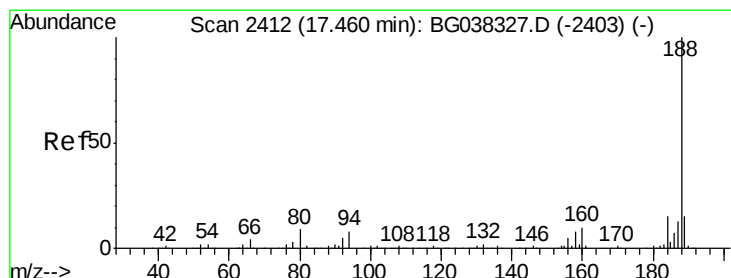
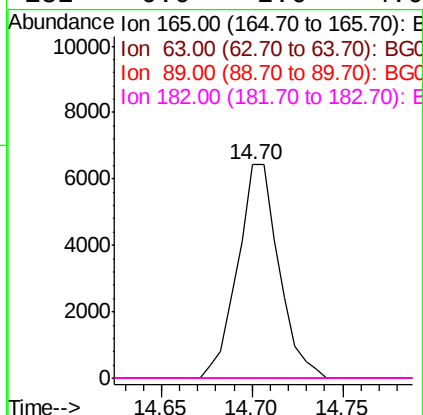
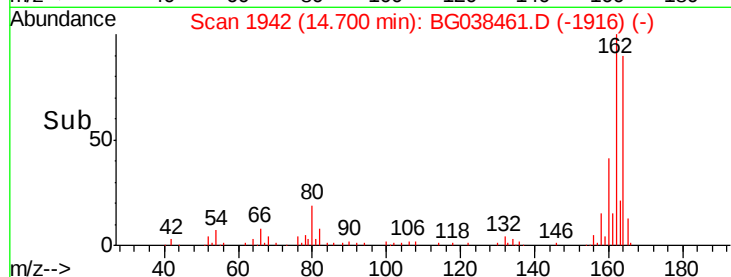
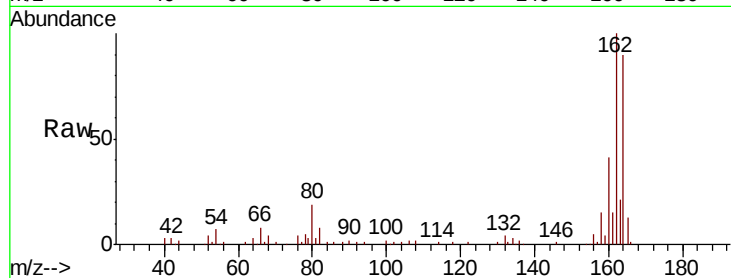




#57
 2,4-Dinitrotoluene
 Concen: 5.017 ng
 RT: 14.70 min Scan# 1942
 Delta R.T. -0.37 min
 Lab File: BG038461.D
 Acq: 11 Dec 2018 8:06

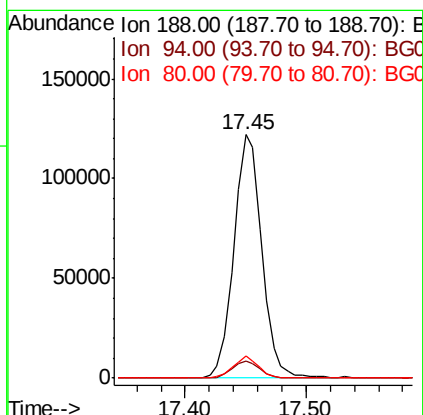
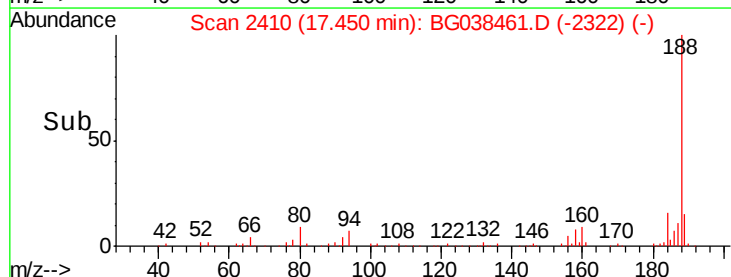
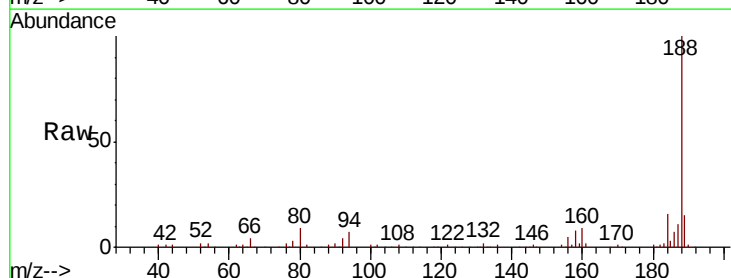
Instrument :
 BNA_G
 ClientSampleId :

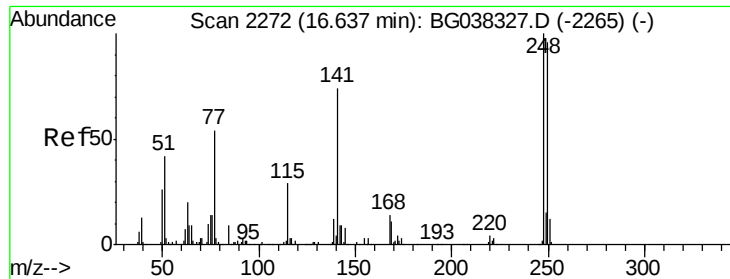
Tot Ion:165	Resp:	10240
Ion Ratio	Lower	Upper
165	100	
63	0.0	33.4 50.0#
89	0.0	57.2 85.8#
182	0.0	2.6 4.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.45 min Scan# 2410
 Delta R.T. -0.01 min
 Lab File: BG038461.D
 Acq: 11 Dec 2018 8:06

Tgt Ion:188	Resp:	196377
Ion Ratio	Lower	Upper
188	100	
94	7.1	7.2 10.8#
80	8.9	7.7 11.5

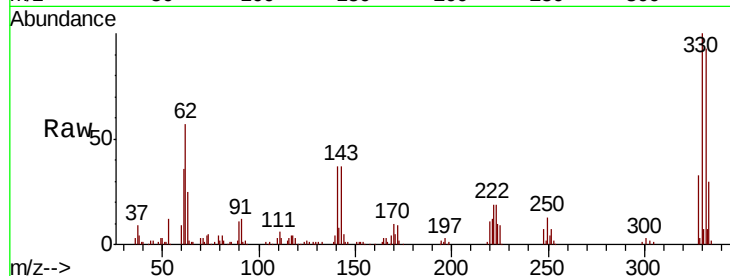




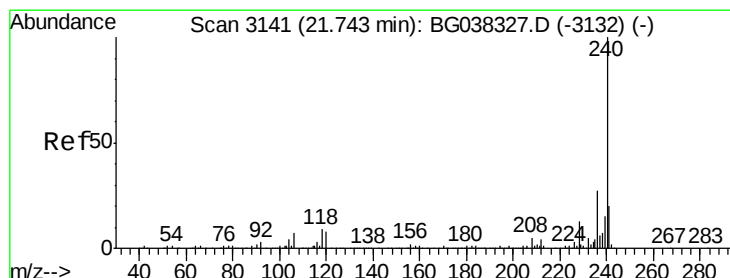
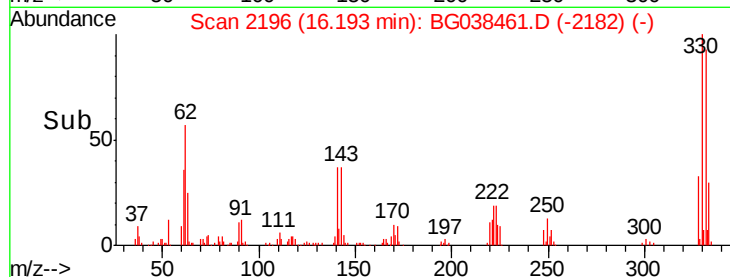
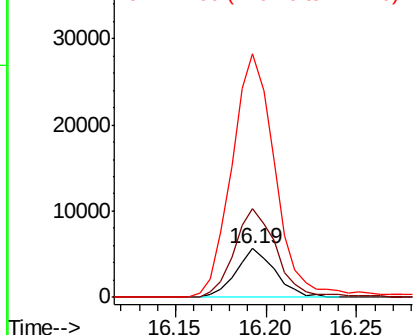
#67
4-Bromophenyl-phenylether
Concen: 4.005 ng
RT: 16.19 min Scan# 2196
Delta R.T. -0.44 min
Lab File: BG038461.D
Acq: 11 Dec 2018 8:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 8493
Ion Ratio Lower Upper
248 100
250 178.9 77.0 115.6#
141 389.6 55.5 83.3#

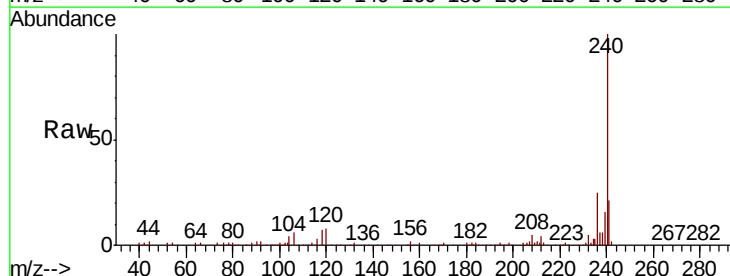


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

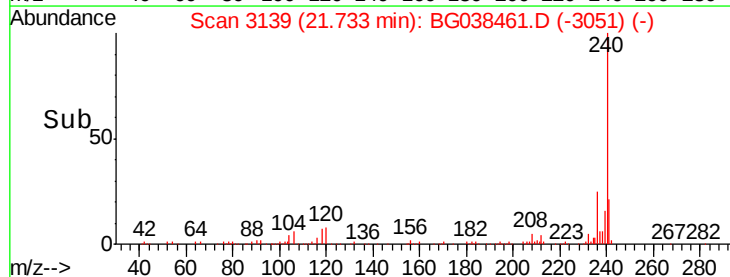
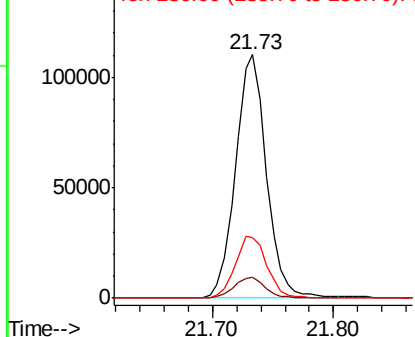


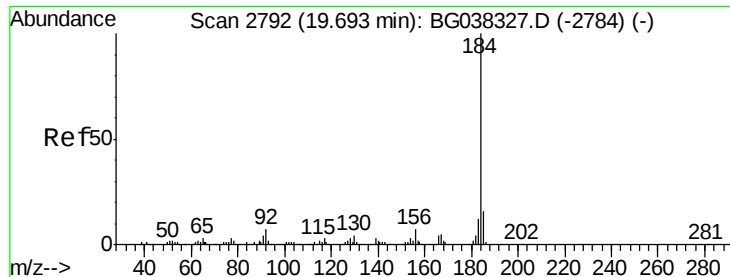
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.73 min Scan# 3139
Delta R.T. -0.01 min
Lab File: BG038461.D
Acq: 11 Dec 2018 8:06

Tgt Ion:240 Resp: 196691
Ion Ratio Lower Upper
240 100
120 8.4 8.1 12.1
236 25.0 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





#77

Benzidine

Concen: 2.073 ng

RT: 20.05 min Scan# 2853

Delta R.T. 0.36 min

Lab File: BG038461.D

Acq: 11 Dec 2018 8:06

Instrument :

BNA_G

ClientSampleId :

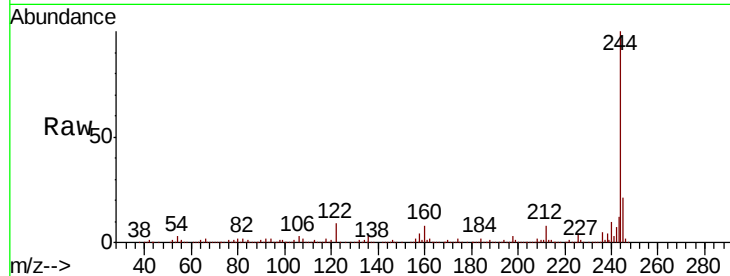
Tot Ion:184 Resp: 13760

Ion Ratio Lower Upper

184 100

185 17.8 12.6 18.8

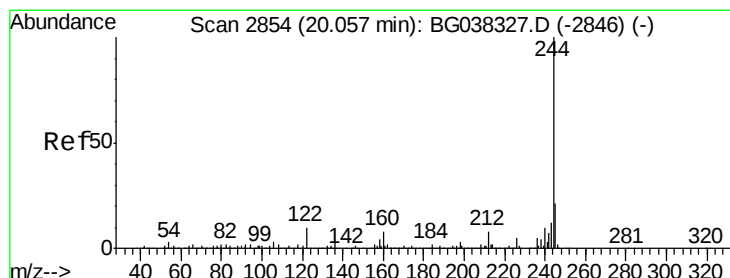
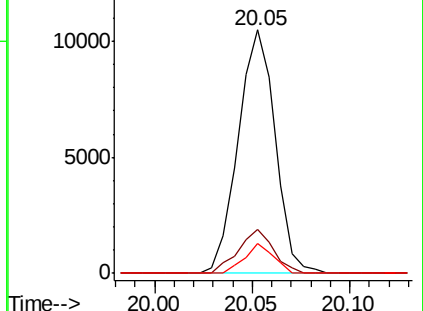
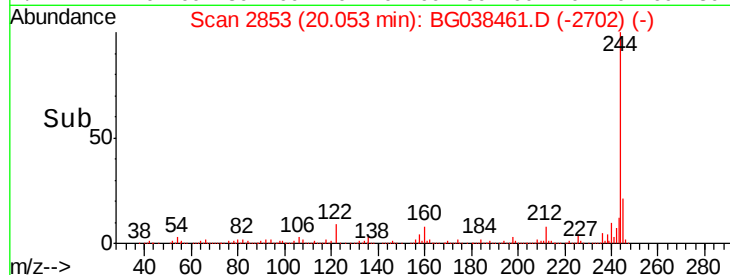
183 12.3 10.2 15.2



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: 90.674 ng

RT: 20.05 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BG038461.D

Acq: 11 Dec 2018 8:06

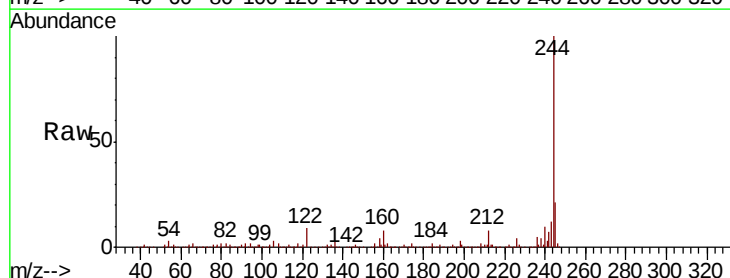
Tgt Ion:244 Resp: 832524

Ion Ratio Lower Upper

244 100

212 7.9 6.5 9.7

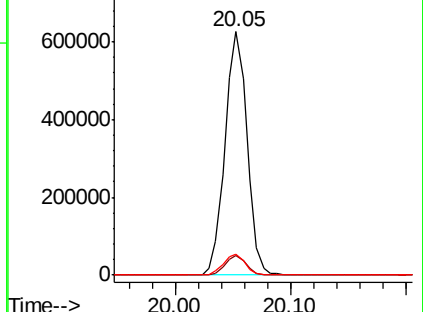
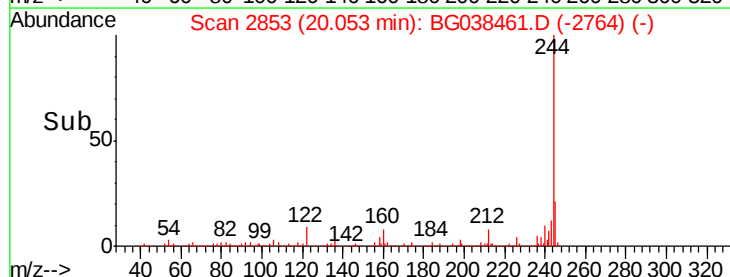
122 8.8 9.0 13.4#

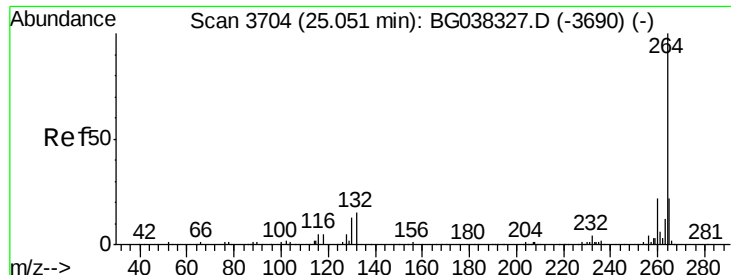


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.04 min Scan# 3702
Delta R.T. -0.01 min
Lab File: BG038461.D
Acq: 11 Dec 2018 8:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.5	18.2	27.4
265	19.7	17.9	26.9

