

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121018\
 Data File : BG038460.D
 Acq On : 11 Dec 2018 7:26
 Operator : JU/SJ
 Sample : J6309-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 11 10:20:25 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

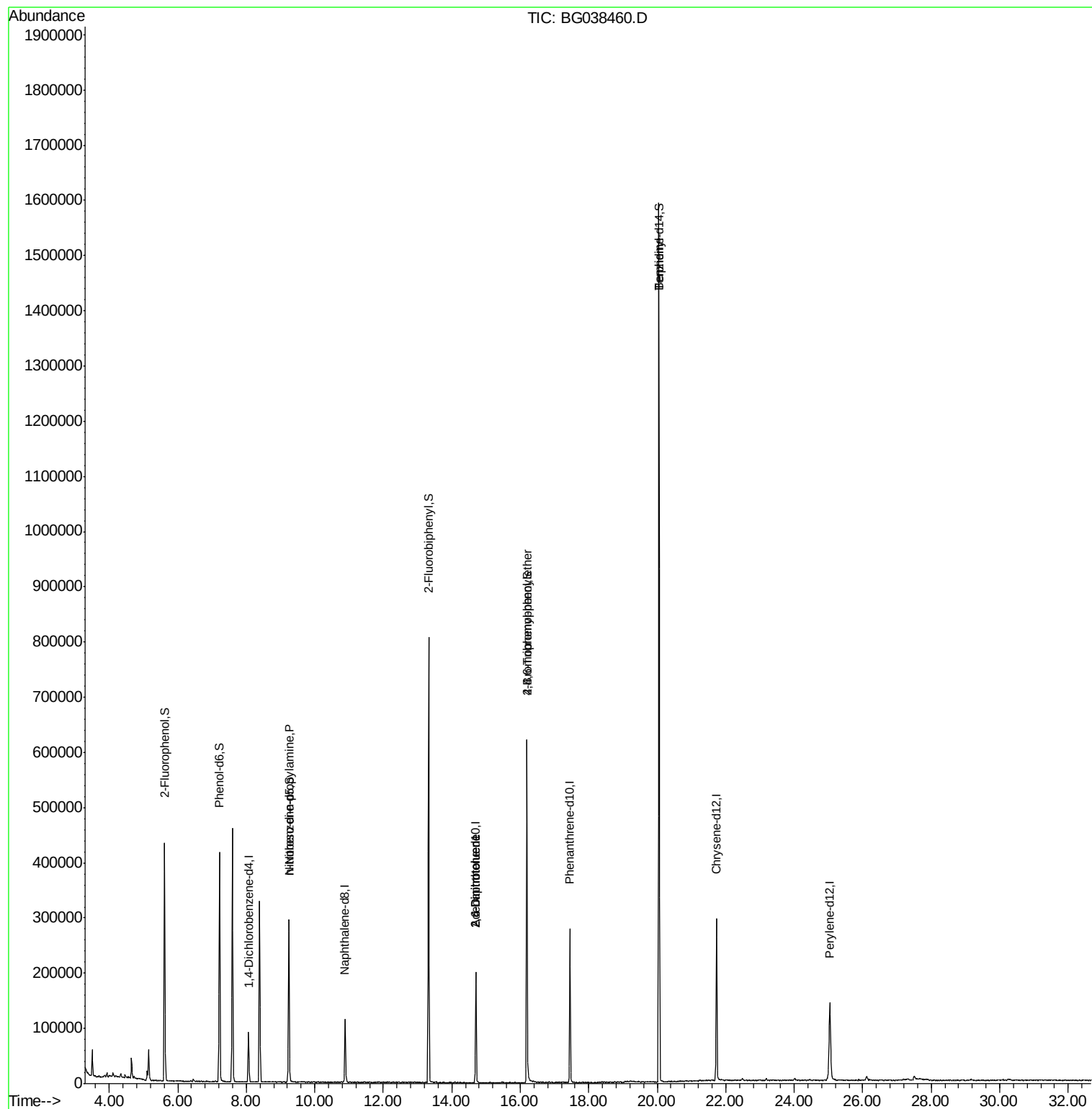
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	25960	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	108669	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	73240	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	186999	20.00	ng	0.00
76) Chrysene-d12	21.73	240	185765	20.00	ng	-0.01
87) Perylene-d12	25.04	264	183343	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	182559	124.45	ng	0.00
7) Phenol-d6	7.22	99	234500	110.60	ng	0.00
23) Nitrobenzene-d5	9.25	82	182153	83.22	ng	0.00
42) 2,4,6-Tribromophenol	16.20	330	128869	143.33	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	434203	84.48	ng	0.00
79) Terphenyl-d14	20.06	244	811754	93.61	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.25	70	24129	14.213	ng	# 78
51) 2,6-Dinitrotoluene	14.70	165	9204	6.859	ng	# 23
57) 2,4-Dinitrotoluene	14.70	165	9204	4.973	ng	# 23
67) 4-Bromophenyl-phenylether	16.19	248	8513	4.216	ng	# 1
77) Benzidine	20.05	184	14182	2.262	ng	# 91

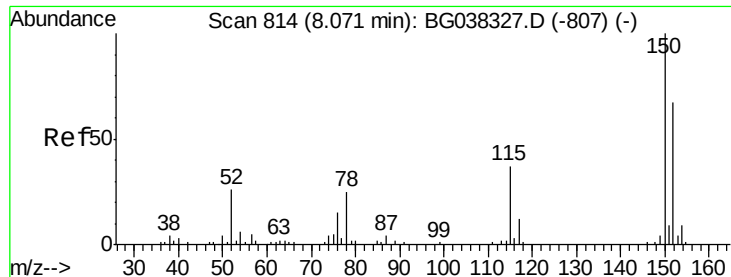
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 04 17:15:40 2018
Response via : Initial Calibration



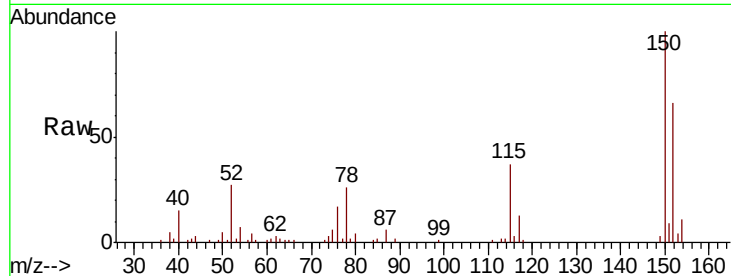


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 813
Delta R.T. -0.01 min
Lab File: BG038460.D
Acq: 11 Dec 2018 7:26

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.4	126.0	189.0
115	55.3	45.5	68.3

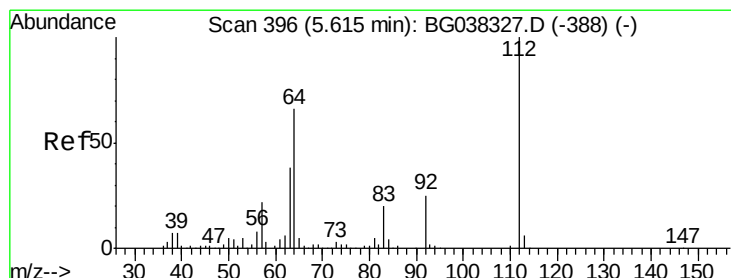
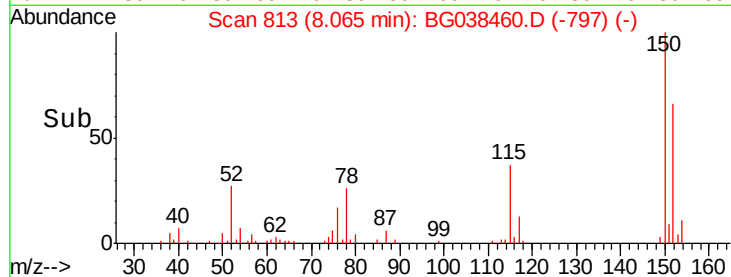
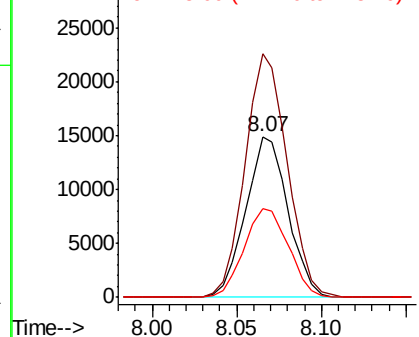


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

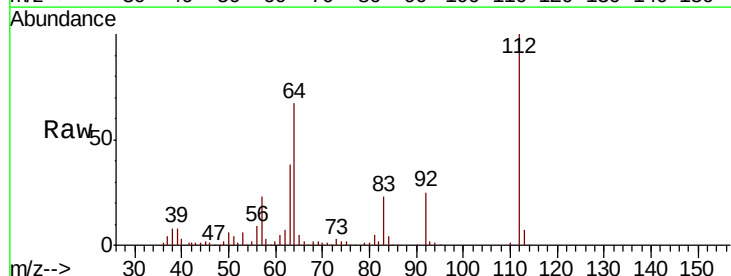
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 124.447 ng
RT: 5.62 min Scan# 396
Delta R.T. 0.00 min
Lab File: BG038460.D
Acq: 11 Dec 2018 7:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.5	53.1	79.7
63	38.3	27.3	40.9

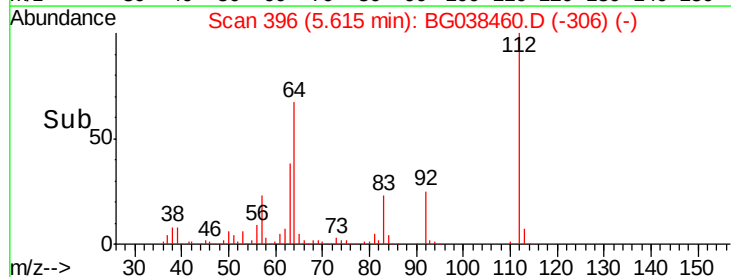
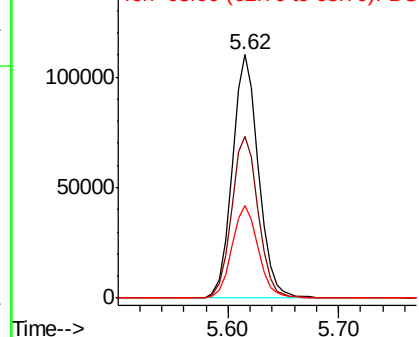


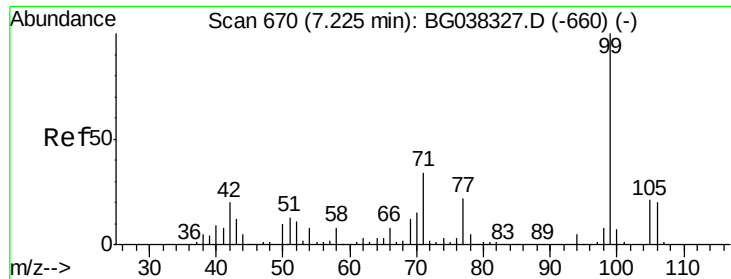
Abundance

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: 110.600 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG038460.D

Acq: 11 Dec 2018 7:26

Instrument :

BNA_G

ClientSampleId :

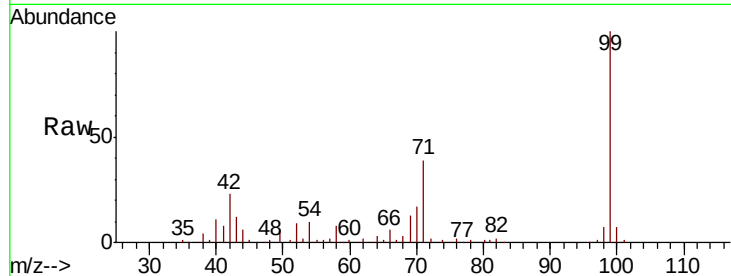
Tot Ion: 99 Resp: 234500

Ion Ratio Lower Upper

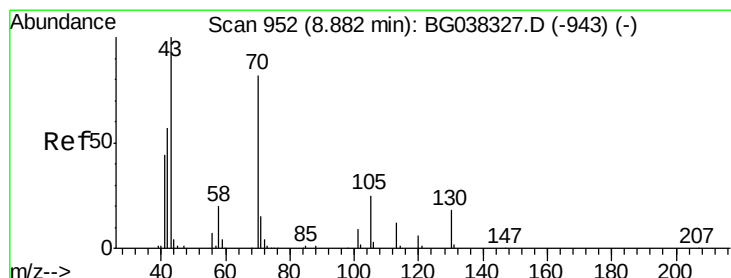
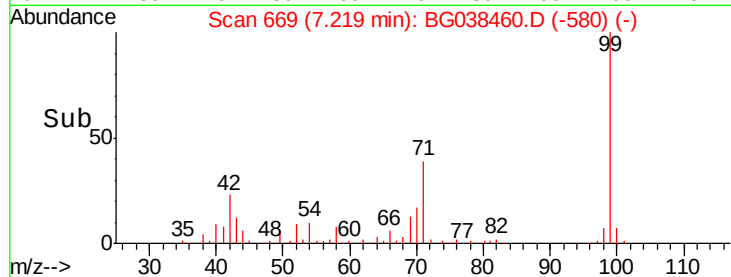
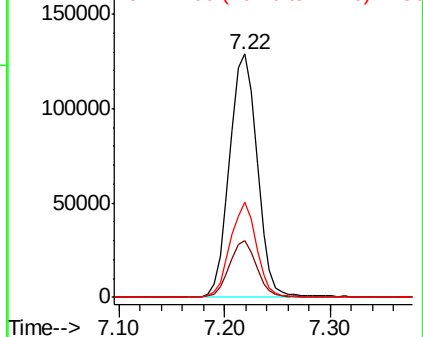
99 100

42 23.2 15.0 22.4#

71 39.2 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: 14.213 ng

RT: 9.25 min Scan# 1014

Delta R.T. 0.37 min

Lab File: BG038460.D

Acq: 11 Dec 2018 7:26

Tgt Ion: 70 Resp: 24129

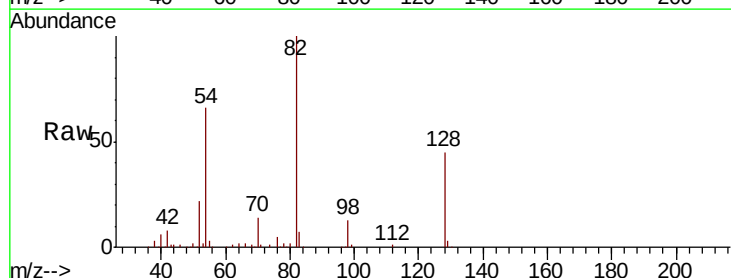
Ion Ratio Lower Upper

70 100

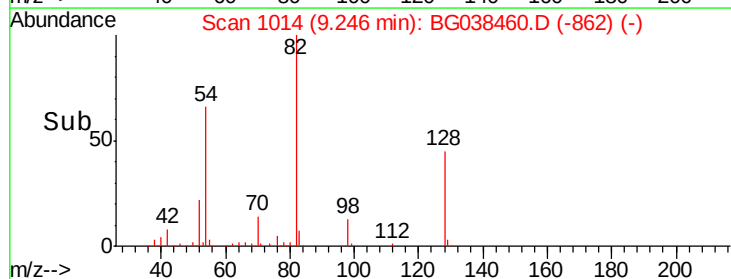
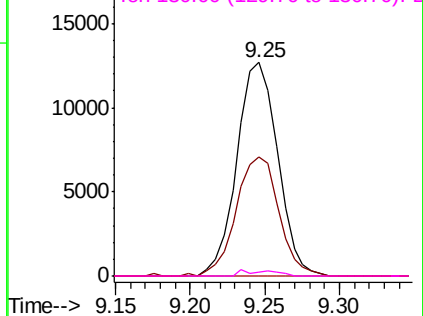
42 55.9 53.9 80.9

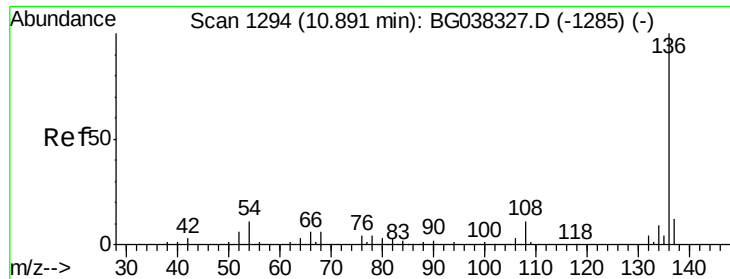
101 0.0 8.2 12.2#

130 1.8 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

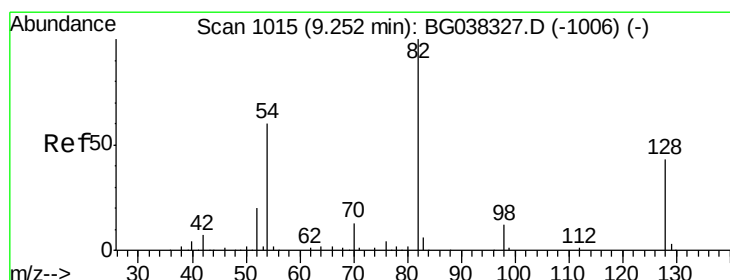
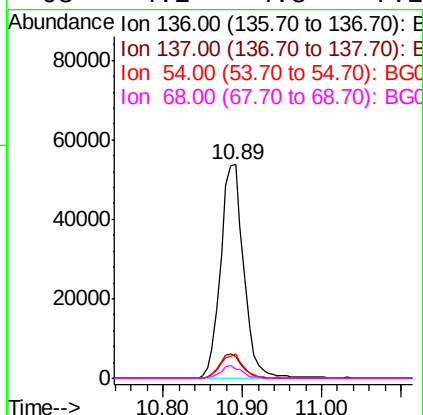
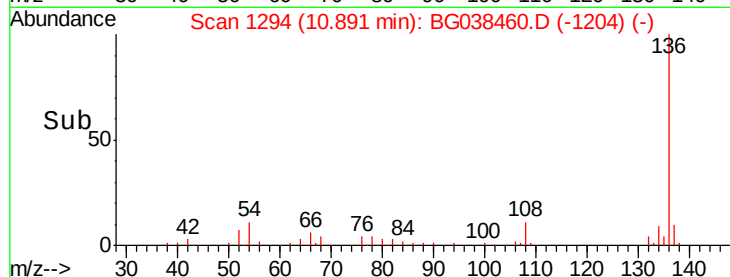
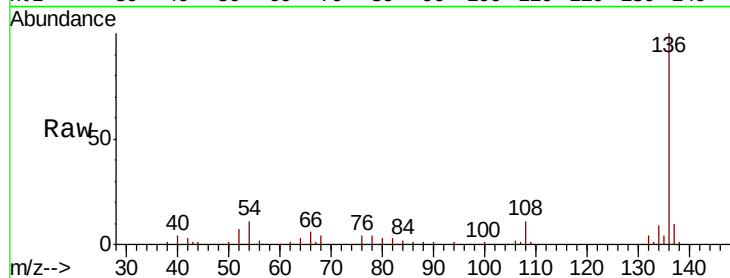




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1294
Delta R.T. -0.00 min
Lab File: BG038460.D
Acq: 11 Dec 2018 7:26

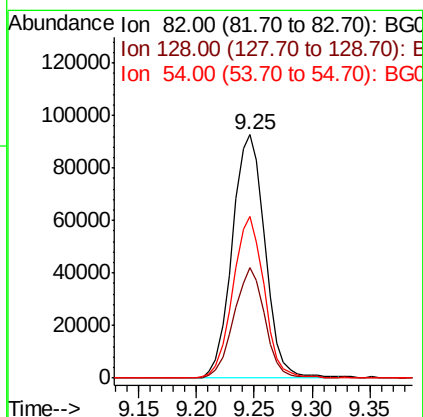
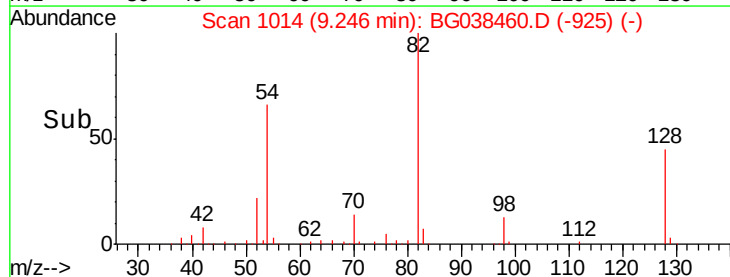
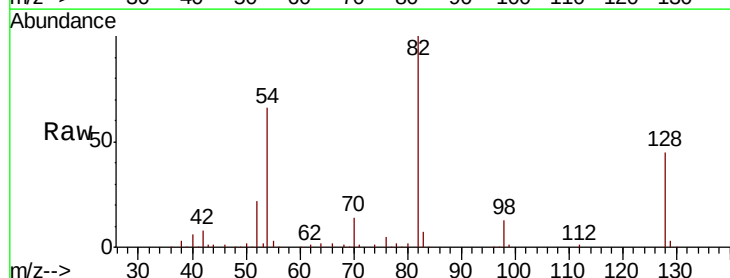
Instrument :
BNA_G
ClientSampleId :

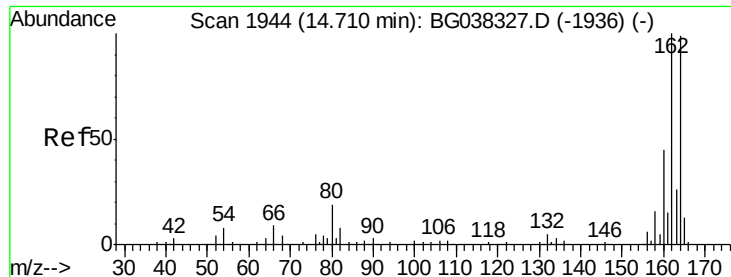
Tot Ion:136	Resp:	108669
Ion	Ratio	Lower Upper
136	100	
137	10.1	9.6 14.4
54	11.1	7.9 11.9
68	4.2	4.8 7.2#



#23
Nitrobenzene-d5
Concen: 83.221 ng
RT: 9.25 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BG038460.D
Acq: 11 Dec 2018 7:26

Tgt Ion: 82	Resp:	182153
Ion	Ratio	Lower Upper
82	100	
128	45.2	34.6 51.8
54	66.3	45.3 67.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1943

Delta R.T. -0.01 min

Lab File: BG038460.D

Acq: 11 Dec 2018 7:26

Instrument :

BNA_G

ClientSampleId :

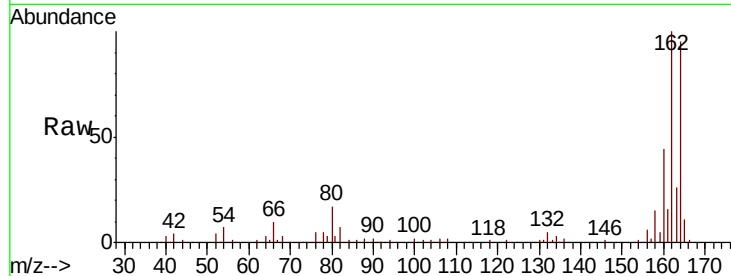
Tot Ion:164 Resp: 73240

Ion Ratio Lower Upper

164 100

162 105.4 81.3 121.9

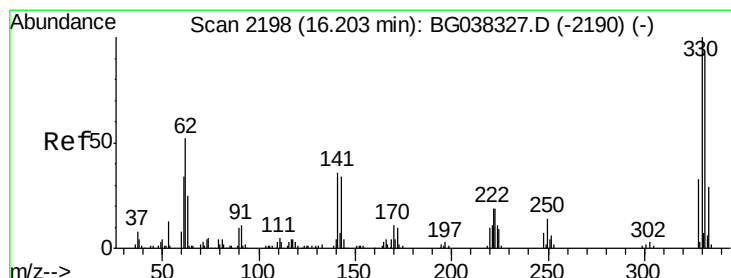
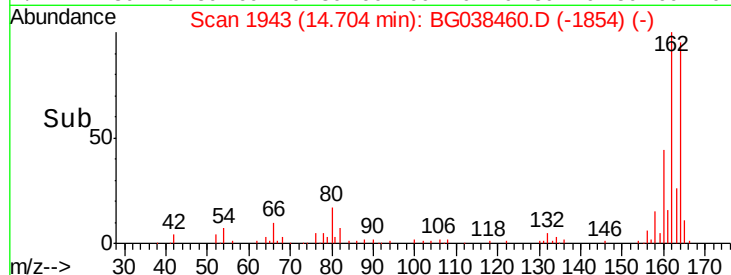
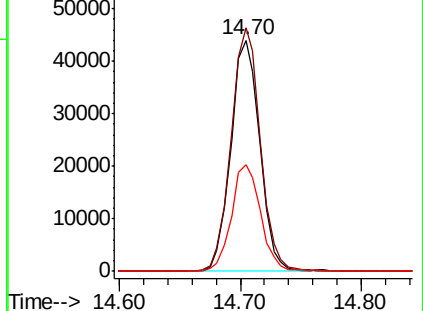
160 46.1 36.3 54.5



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: 143.329 ng

RT: 16.20 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BG038460.D

Acq: 11 Dec 2018 7:26

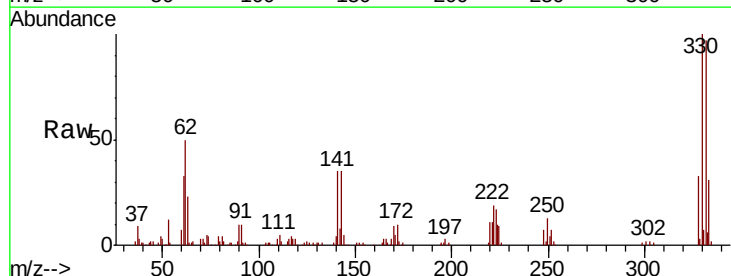
Tgt Ion:330 Resp: 128869

Ion Ratio Lower Upper

330 100

332 94.6 78.4 117.6

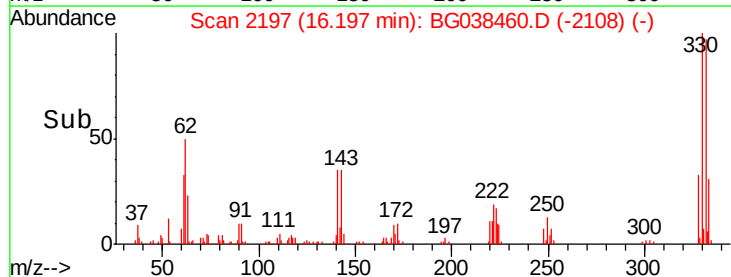
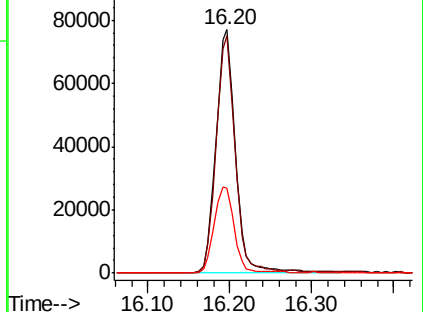
141 36.8 32.2 48.2

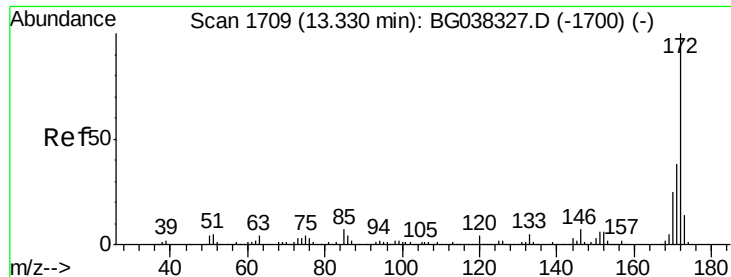


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

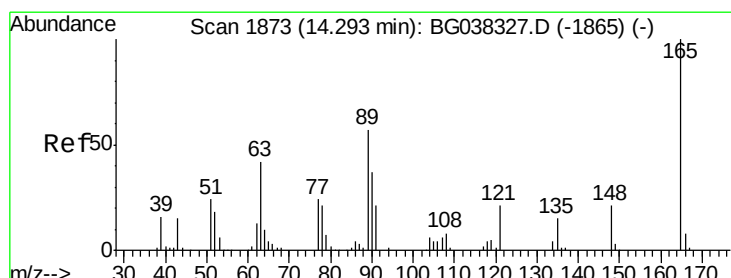
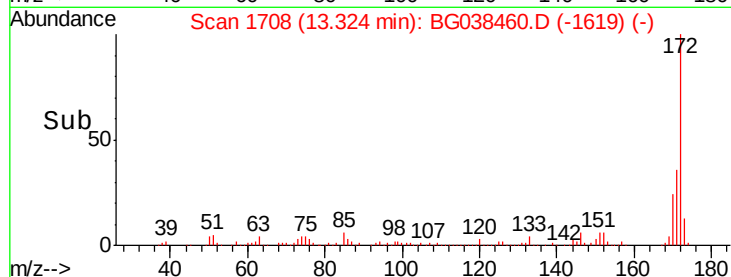
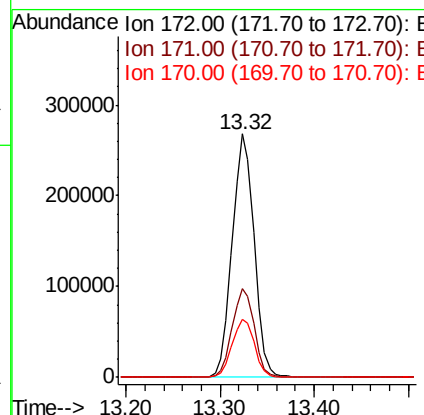
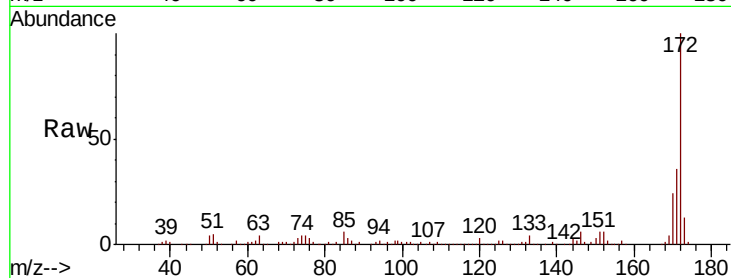




#45
 2-Fluorobiphenyl
 Concen: 84.476 ng
 RT: 13.32 min Scan# 1708
 Delta R.T. -0.01 min
 Lab File: BG038460.D
 Acq: 11 Dec 2018 7:26

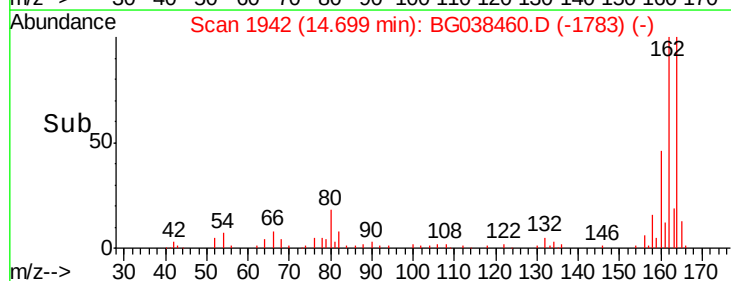
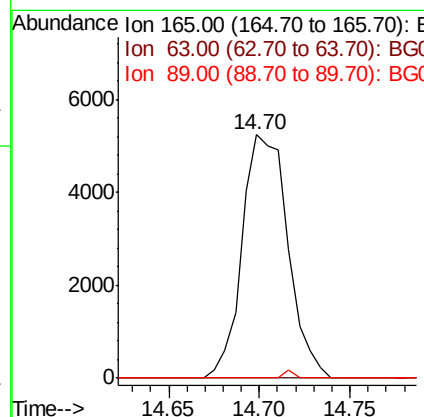
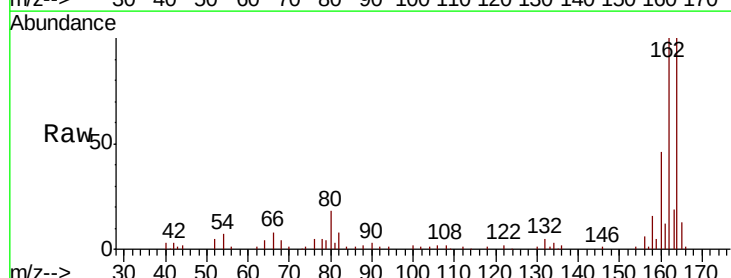
Instrument :
 BNA_G
 ClientSampleId :

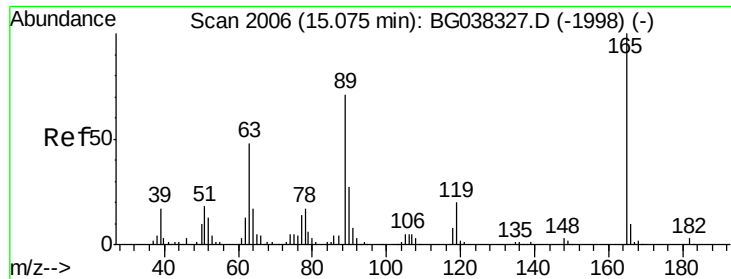
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	31.0	46.4
170	23.9	20.2	30.2



#51
 2,6-Dinitrotoluene
 Concen: 6.859 ng
 RT: 14.70 min Scan# 1942
 Delta R.T. 0.41 min
 Lab File: BG038460.D
 Acq: 11 Dec 2018 7:26

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

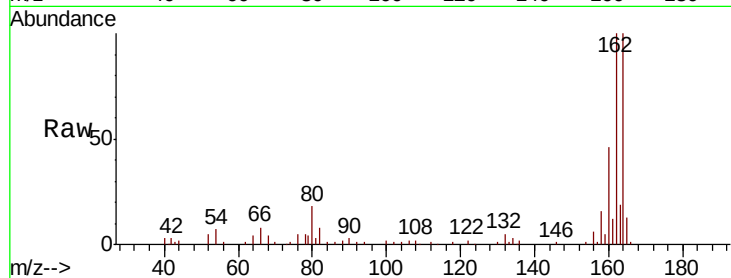




#57
2,4-Dinitrotoluene
Concen: 4.973 ng
RT: 14.70 min Scan# 1942
Delta R.T. -0.38 min
Lab File: BG038460.D
Acq: 11 Dec 2018 7:26

Instrument :
BNA_G
ClientSampleId :

Tot 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#

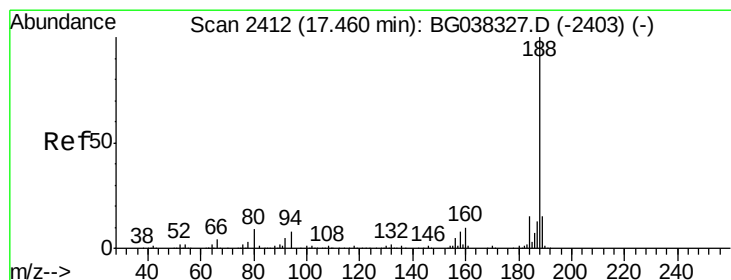
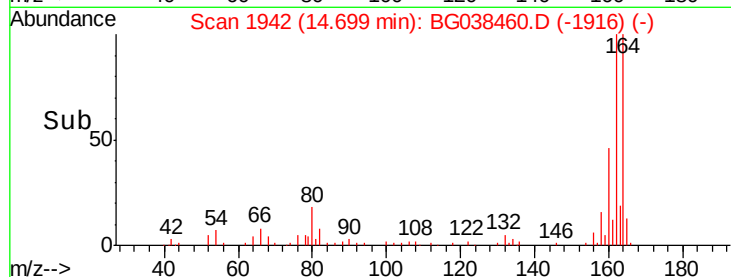
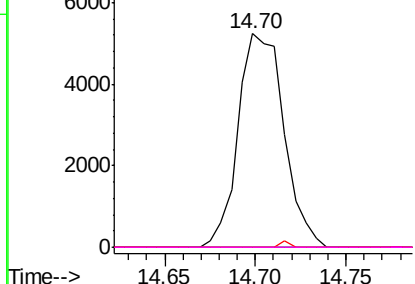


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

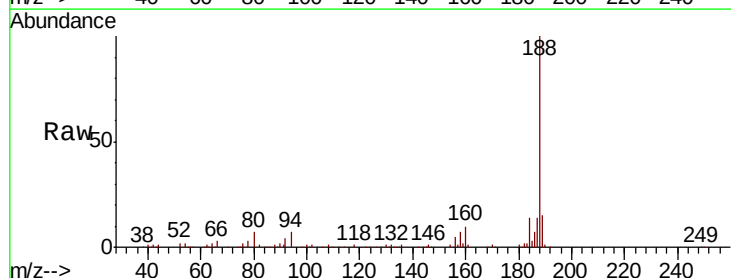
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.45 min Scan# 2411
Delta R.T. -0.01 min
Lab File: BG038460.D
Acq: 11 Dec 2018 7:26

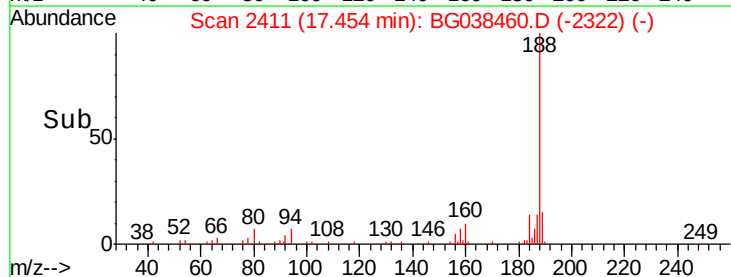
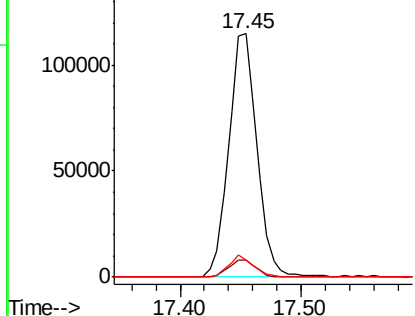
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.8	7.2	10.8#
80	7.2	7.7	11.5#

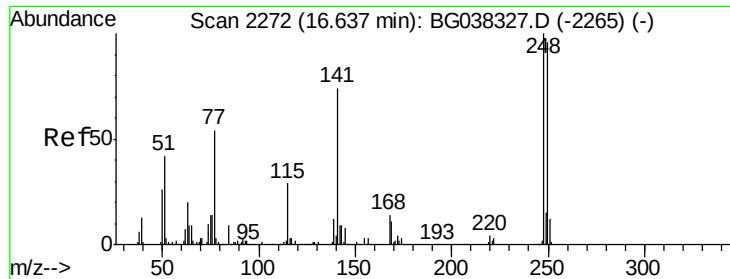


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#67

4-Bromophenyl-phenylether

Concen: 4.216 ng

RT: 16.19 min Scan# 2196

Delta R.T. -0.45 min

Lab File: BG038460.D

Acq: 11 Dec 2018 7:26

Instrument :

BNA_G

ClientSampleId :

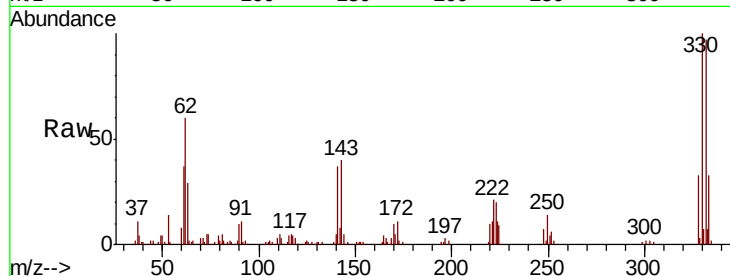
Tot Ion:248 Resp: 8513

Ion Ratio Lower Upper

248 100

250 198.9 77.0 115.6#

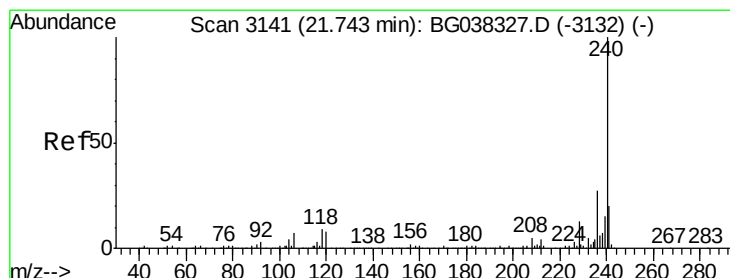
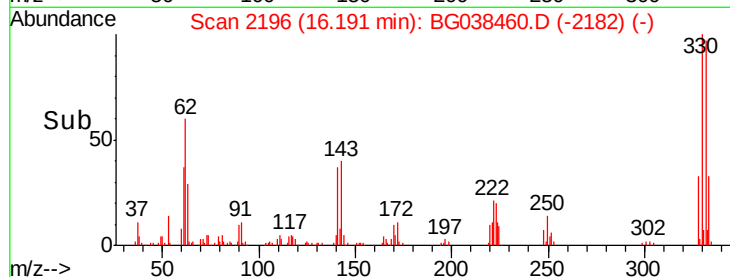
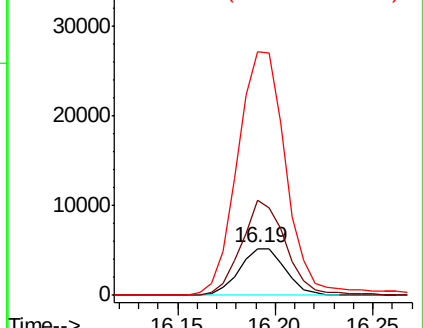
141 398.2 55.5 83.3#



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: BG038460.D

Acq: 11 Dec 2018 7:26

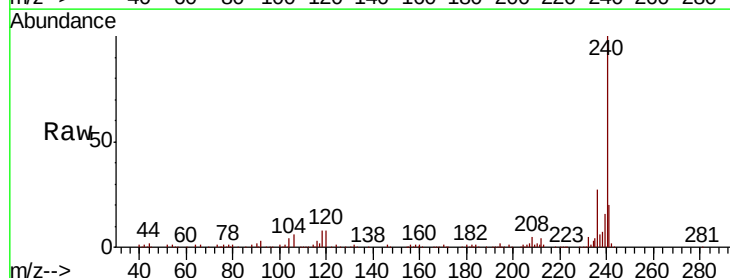
Tgt Ion:240 Resp: 185765

Ion Ratio Lower Upper

240 100

120 7.8 8.1 12.1#

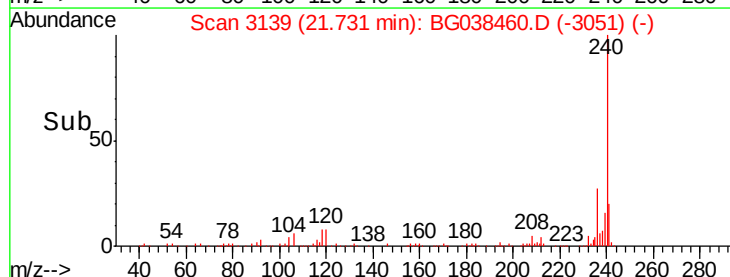
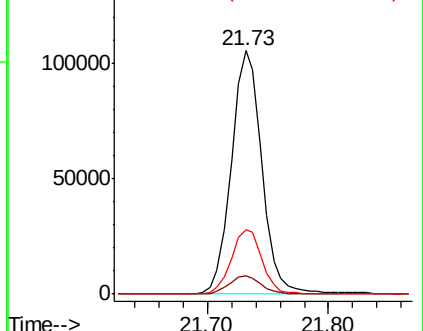
236 26.6 21.4 32.0

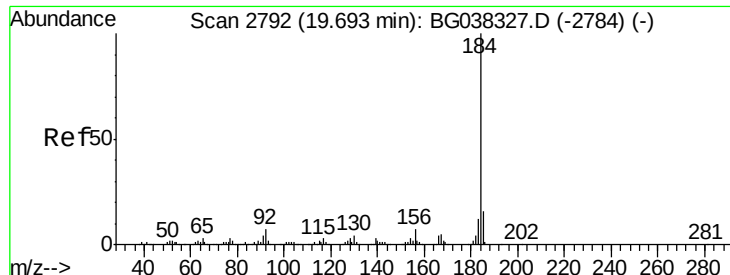


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.262 ng

RT: 20.05 min Scan# 2853

Delta R.T. 0.36 min

Lab File: BG038460.D

Acq: 11 Dec 2018 7:26

Instrument :

BNA_G

ClientSampleId :

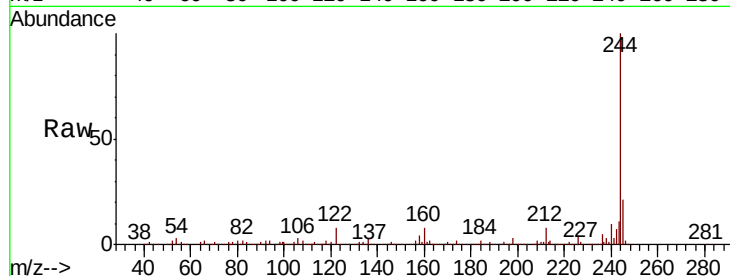
Tot Ion:184 Resp: 14182

Ion Ratio Lower Upper

184 100

185 18.6 12.6 18.8

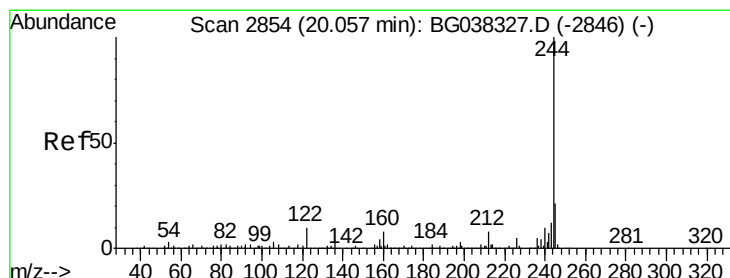
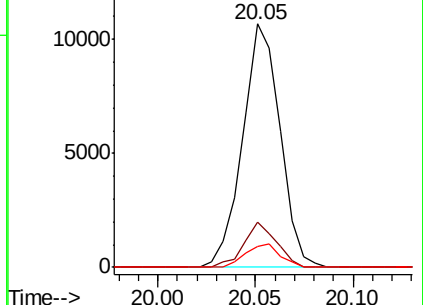
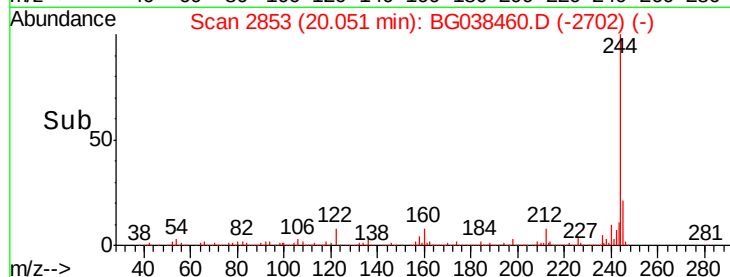
183 8.4 10.2 15.2#



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: 93.612 ng

RT: 20.06 min Scan# 2854

Delta R.T. -0.00 min

Lab File: BG038460.D

Acq: 11 Dec 2018 7:26

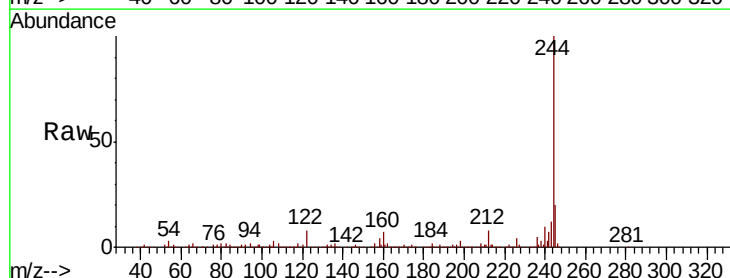
Tgt Ion:244 Resp: 811754

Ion Ratio Lower Upper

244 100

212 7.5 6.5 9.7

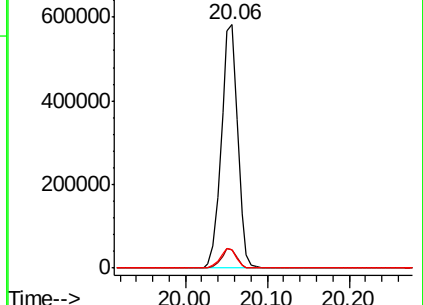
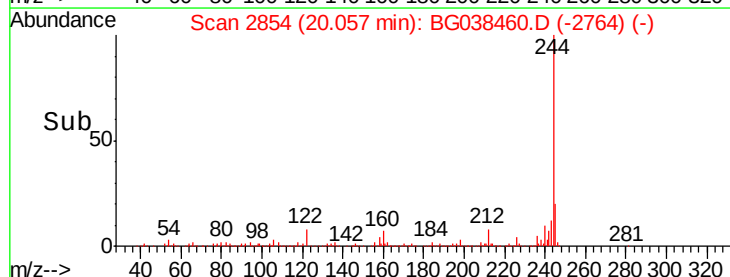
122 7.5 9.0 13.4#

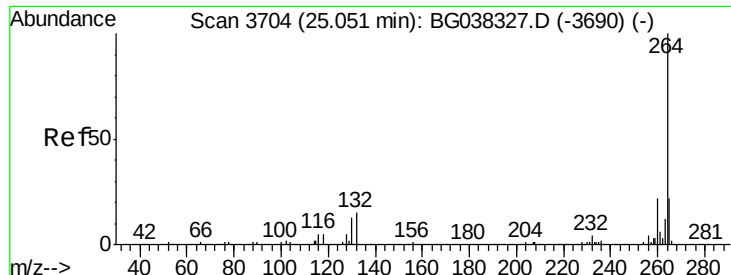


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

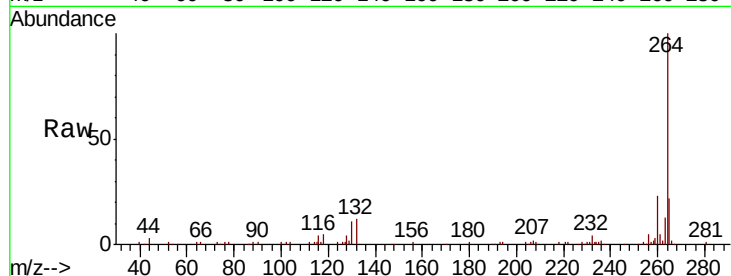




#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.04 min Scan# 3702
Delta R.T. -0.01 min
Lab File: BG038460.D
Acq: 11 Dec 2018 7:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.2	27.4
265	21.7	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

