

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112018\
 Data File : BG038110.D
 Acq On : 21 Nov 2018 8:32
 Operator : JU/SJ
 Sample : J5999-01
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 21 10:37:30 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

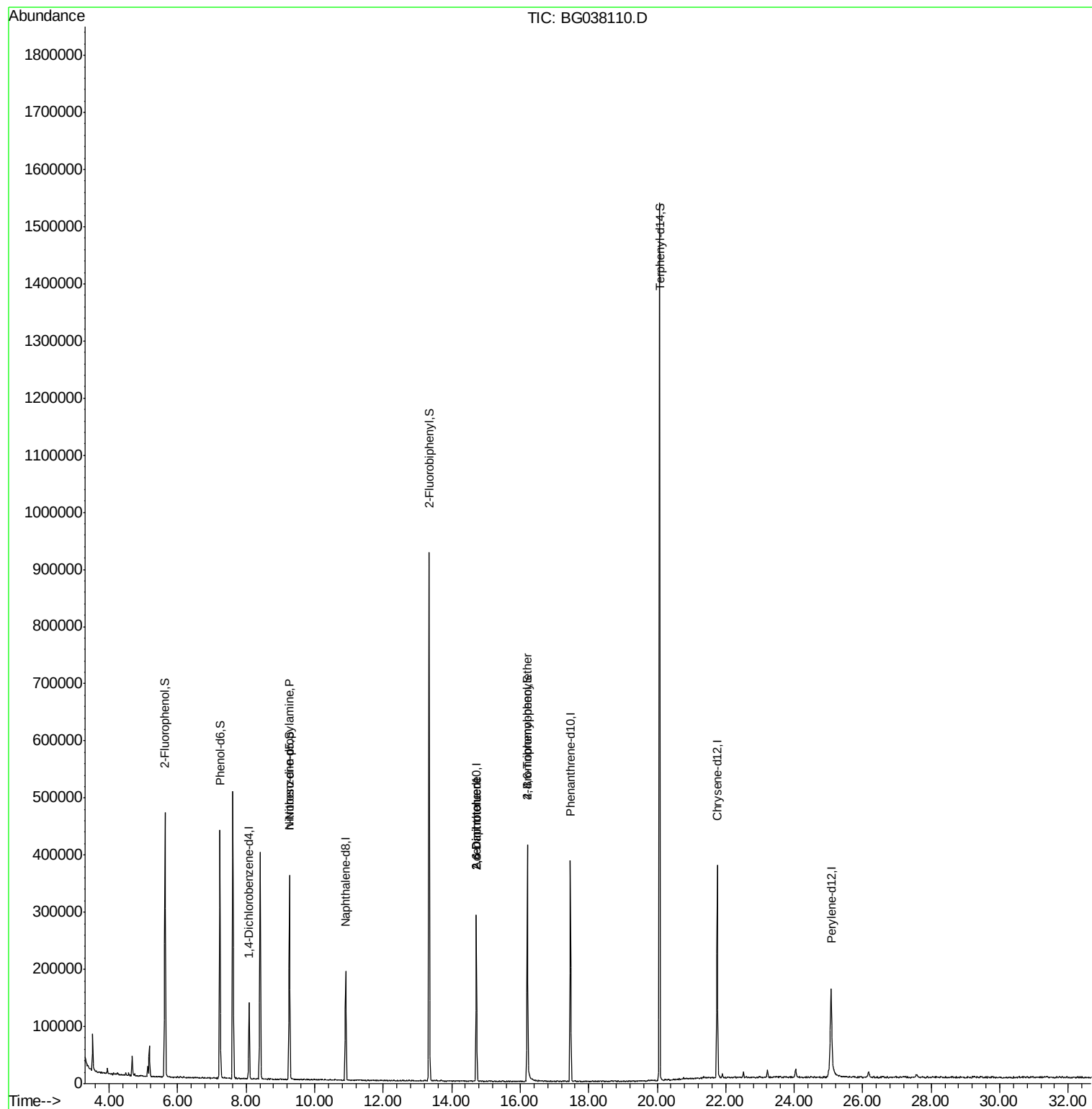
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	39257	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	170505	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	106700	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	239296	20.00	ng	0.00
76) Chrysene-d12	21.75	240	232164	20.00	ng	0.00
87) Perylene-d12	25.08	264	218432	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	211945	93.22	ng	0.00
7) Phenol-d6	7.23	99	269860	83.15	ng	0.00
23) Nitrobenzene-d5	9.26	82	226068	70.97	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	81903	67.31	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	508583	69.44	ng	0.00
79) Terphenyl-d14	20.07	244	776251	78.67	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.27	70	27859	11.863	ng	# 71
51) 2,6-Dinitrotoluene	14.72	165	13775	7.195	ng	# 25
57) 2,4-Dinitrotoluene	14.72	165	13775	5.288	ng	# 25
67) 4-Bromophenyl-phenylether	16.20	248	5740	2.185	ng	# 1

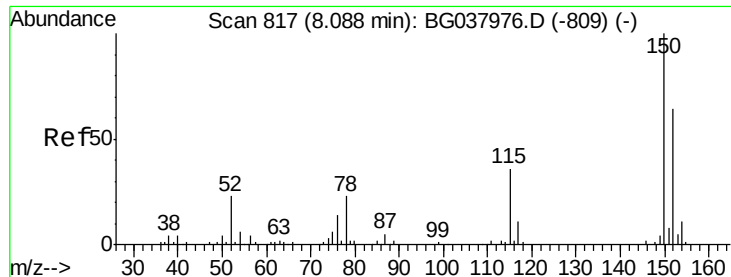
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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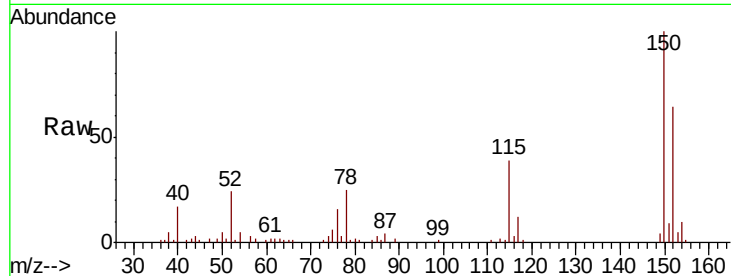


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 816
Delta R.T. -0.00 min
Lab File: BG038110.D
Acq: 21 Nov 2018 8:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	126.0	189.0
115	62.1	45.5	68.3

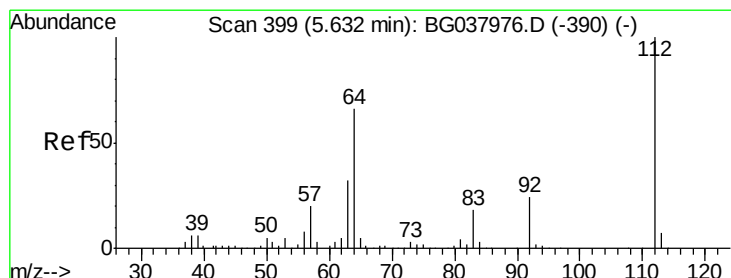
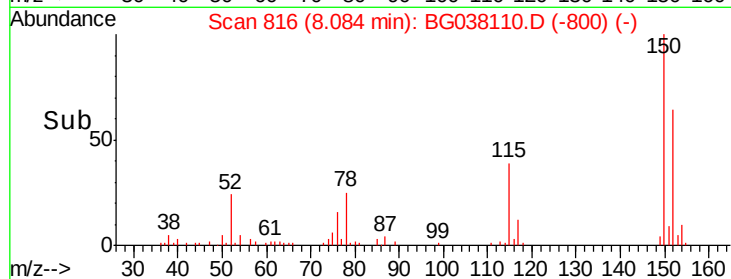
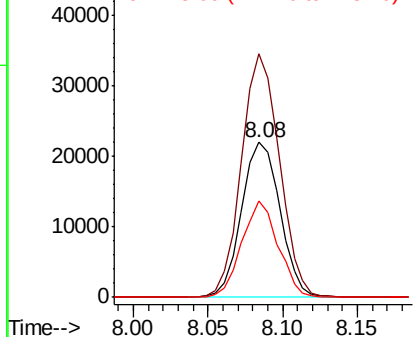


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

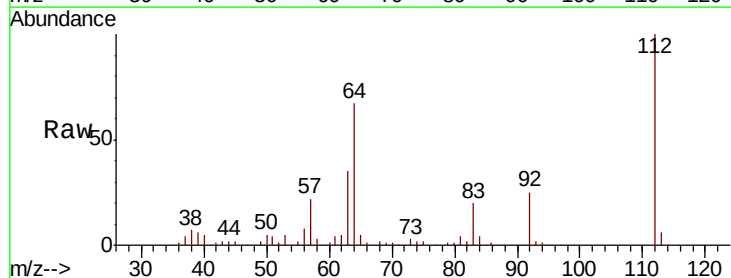
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 93.216 ng
RT: 5.63 min Scan# 398
Delta R.T. -0.00 min
Lab File: BG038110.D
Acq: 21 Nov 2018 8:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.9	53.1	79.7
63	34.7	27.3	40.9

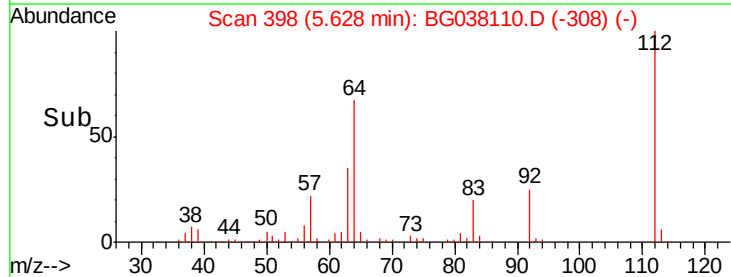
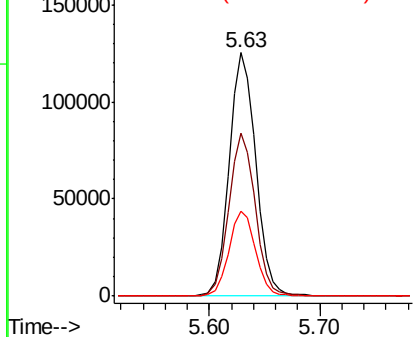


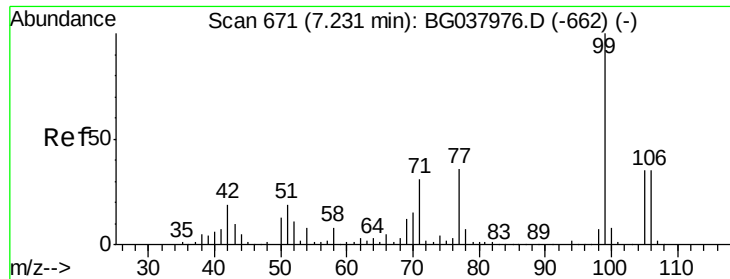
Abundance

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: 83.147 ng

RT: 7.23 min Scan# 671

Delta R.T. 0.00 min

Lab File: BG038110.D

Acq: 21 Nov 2018 8:32

Instrument :

BNA_G

ClientSampled :

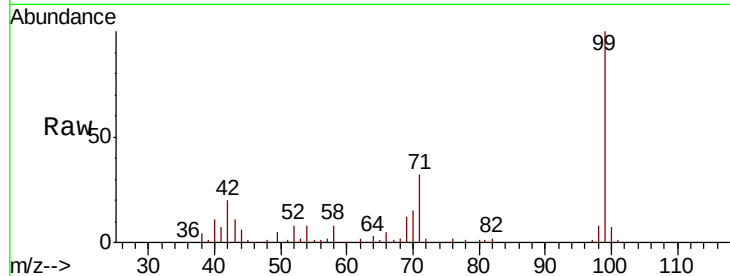
Tot Ion: 99 Resp: 269860

Ion Ratio Lower Upper

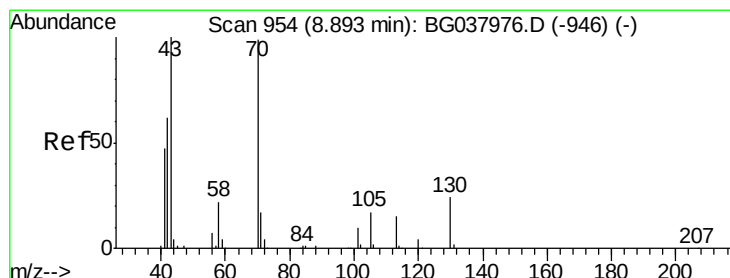
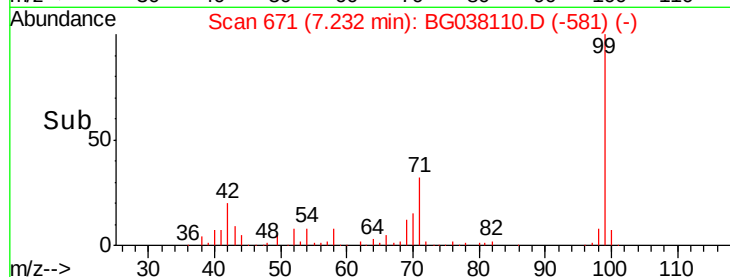
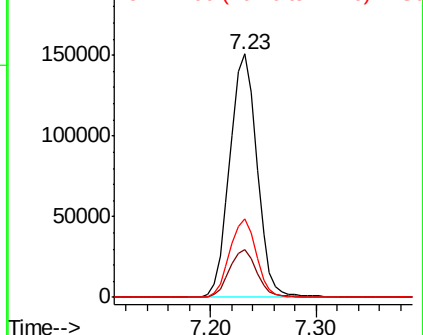
99 100

42 19.7 15.0 22.4

71 32.2 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: 11.863 ng

RT: 9.27 min Scan# 1017

Delta R.T. 0.37 min

Lab File: BG038110.D

Acq: 21 Nov 2018 8:32

Tgt Ion: 70 Resp: 27859

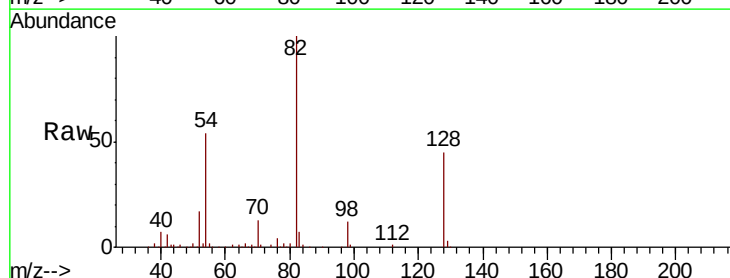
Ion Ratio Lower Upper

70 100

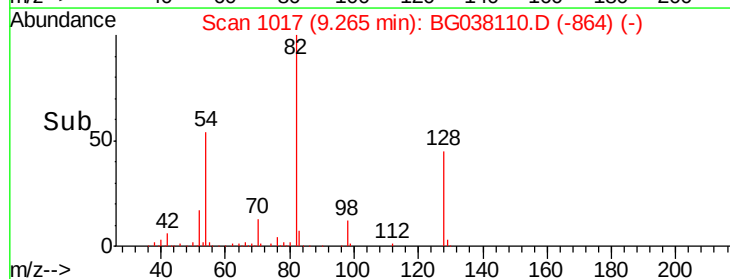
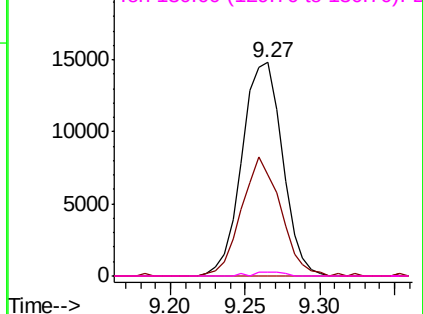
42 47.6 53.9 80.9#

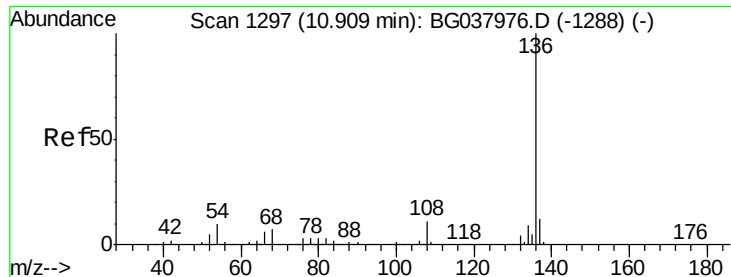
101 0.0 8.2 12.2#

130 2.1 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. -0.00 min

Lab File: BG038110.D

Acq: 21 Nov 2018 8:32

Instrument :

BNA_G

ClientSampled :

Tot Ion:136 Resp: 170505

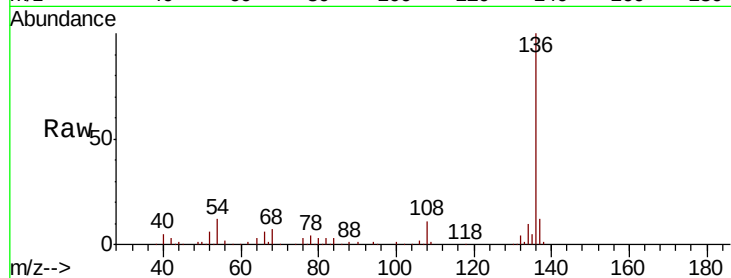
Ion Ratio Lower Upper

136 100

137 11.7 9.6 14.4

54 11.7 7.9 11.9

68 6.8 4.8 7.2

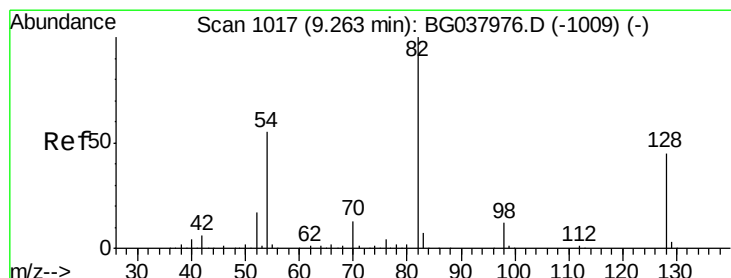
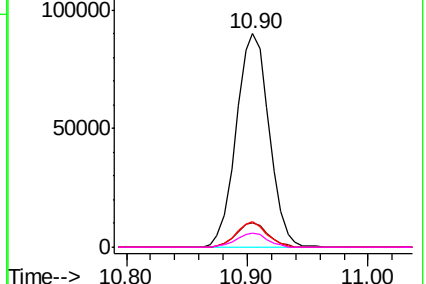
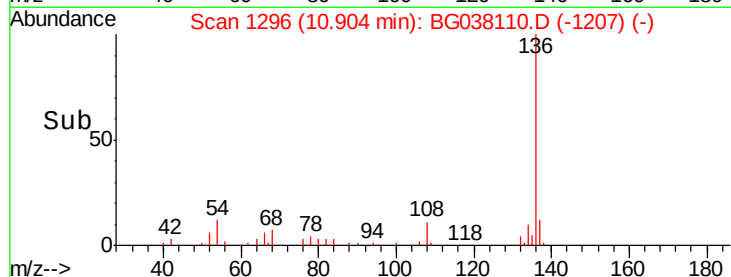


Abundance Ion 136.00 (135.70 to 136.70): E

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: 70.974 ng

RT: 9.26 min Scan# 1016

Delta R.T. -0.00 min

Lab File: BG038110.D

Acq: 21 Nov 2018 8:32

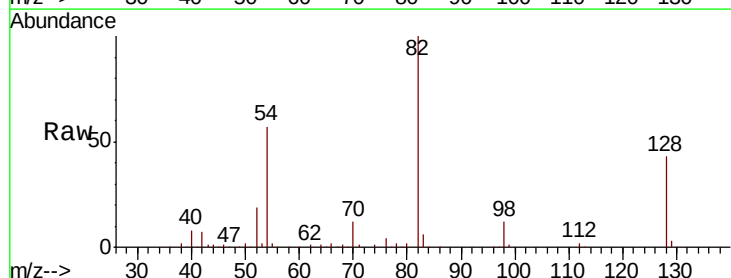
Tgt Ion: 82 Resp: 226068

Ion Ratio Lower Upper

82 100

128 42.7 34.6 51.8

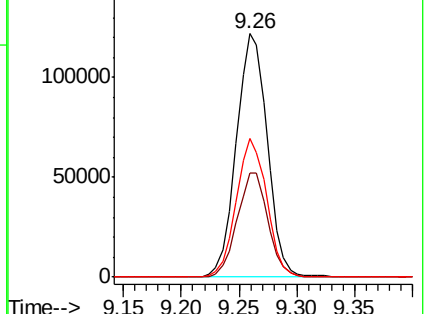
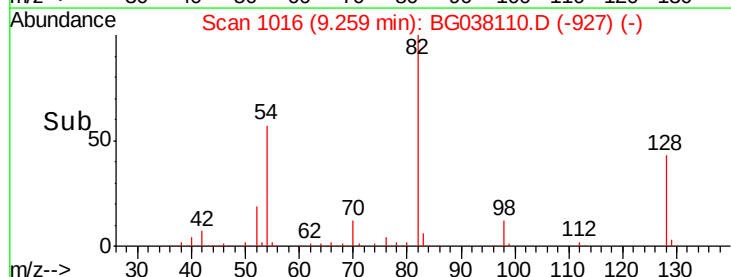
54 56.8 45.3 67.9

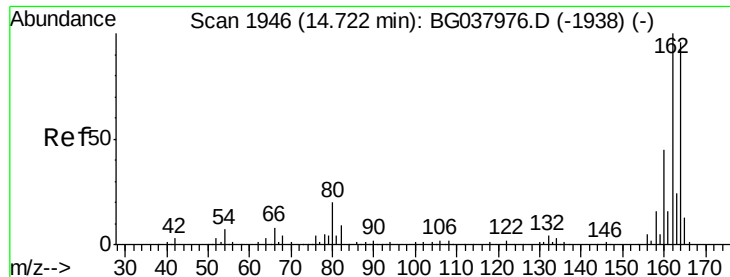


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: 14.72 min Scan# 1945

Delta R.T. -0.00 min

Lab File: BG038110.D

Acq: 21 Nov 2018 8:32

Instrument :

BNA_G

ClientSampleId :

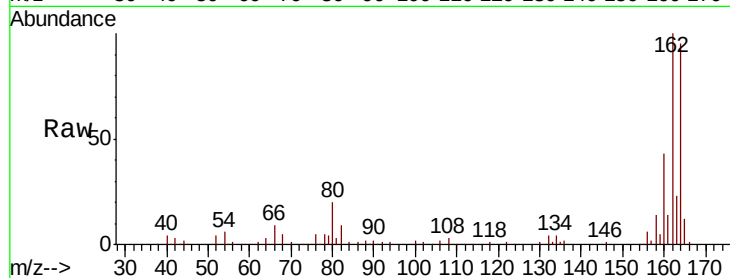
Tot Ion:164 Resp: 106700

Ion Ratio Lower Upper

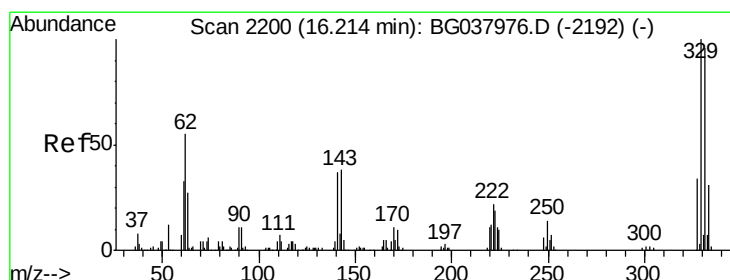
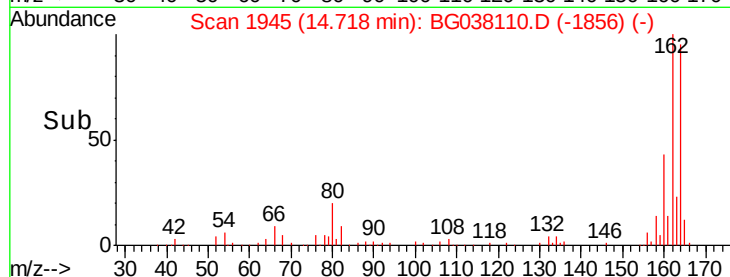
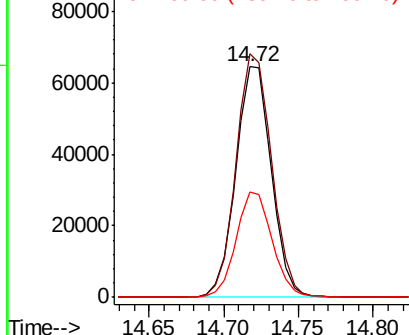
164 100

162 105.5 81.3 121.9

160 45.8 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: 67.305 ng

RT: 16.21 min Scan# 2199

Delta R.T. -0.00 min

Lab File: BG038110.D

Acq: 21 Nov 2018 8:32

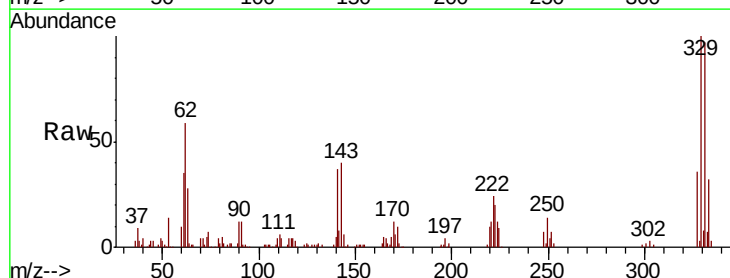
Tgt Ion:330 Resp: 81903

Ion Ratio Lower Upper

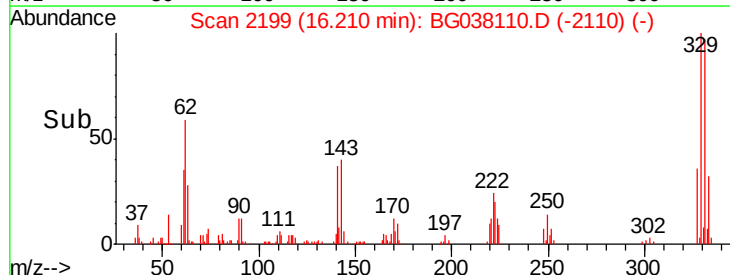
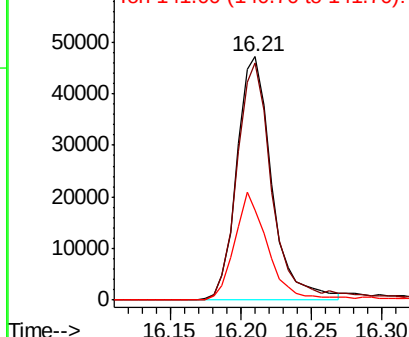
330 100

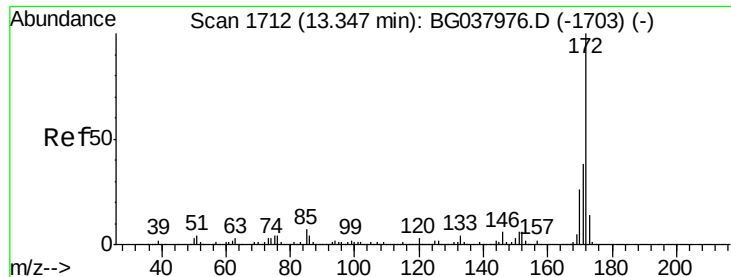
332 99.9 78.4 117.6

141 42.1 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

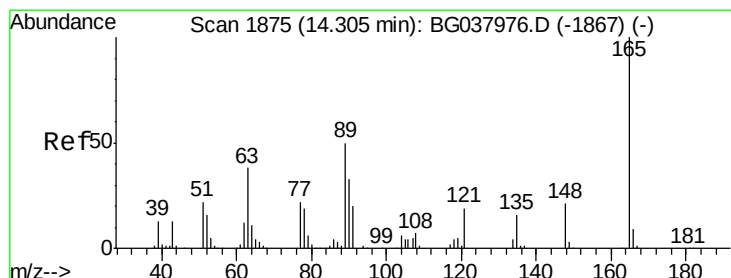
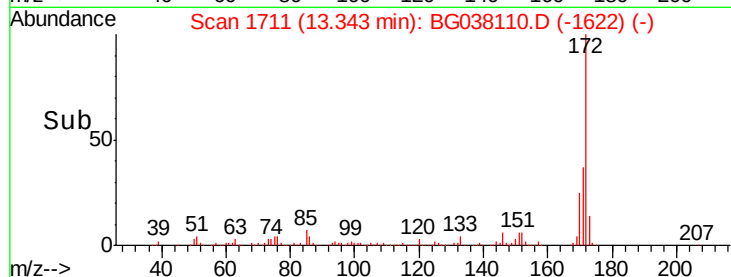
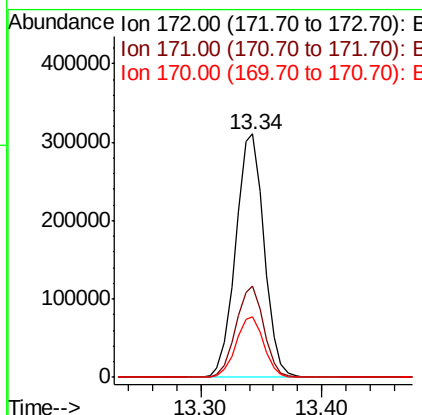
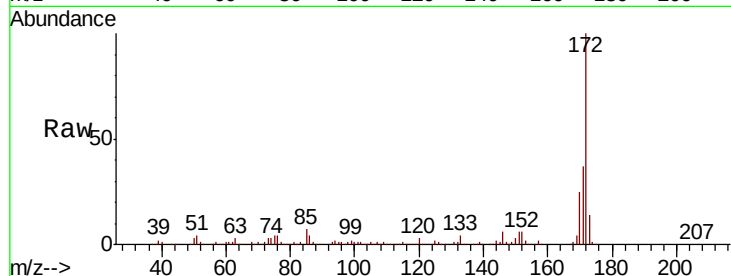




#45
 2-Fluorobiphenyl
 Concen: 69.440 ng
 RT: 13.34 min Scan# 1711
 Delta R.T. -0.00 min
 Lab File: BG038110.D
 Acq: 21 Nov 2018 8:32

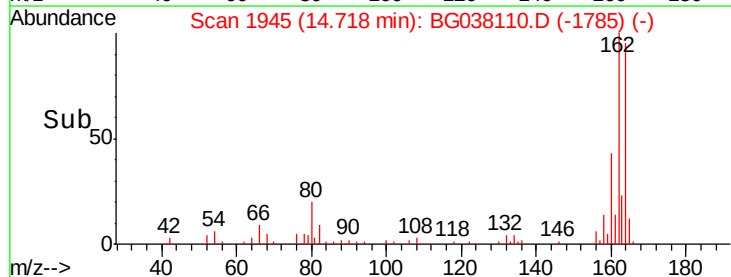
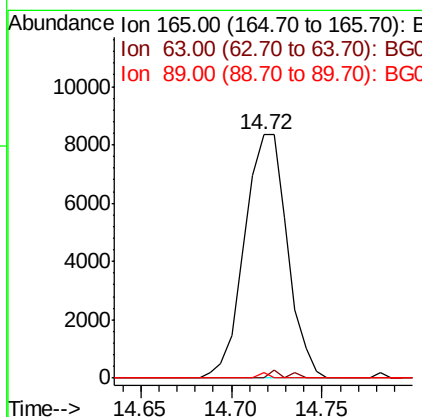
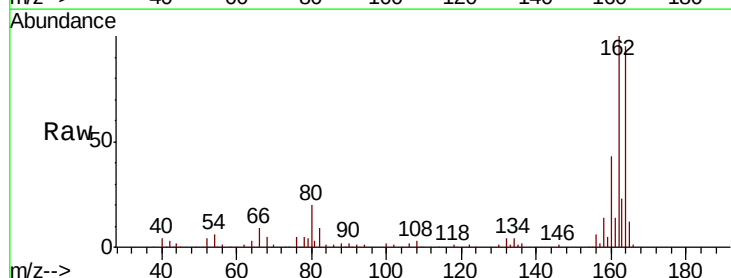
Instrument :
 BNA_G
 ClientSampleId :

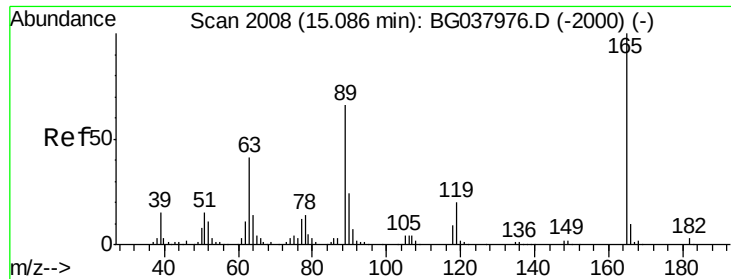
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.4	31.0	46.4
170	24.8	20.2	30.2



#51
 2,6-Dinitrotoluene
 Concen: 7.195 ng
 RT: 14.72 min Scan# 1945
 Delta R.T. 0.41 min
 Lab File: BG038110.D
 Acq: 21 Nov 2018 8:32

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.4	65.2#
89	2.2	45.8	68.6#

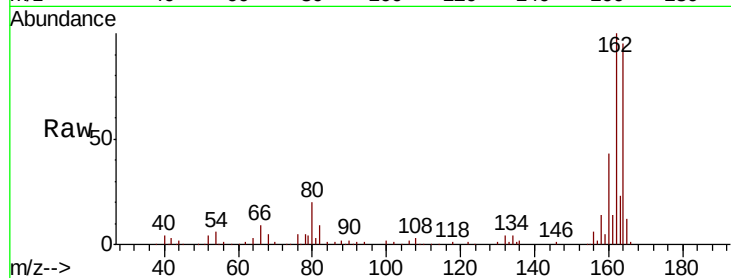




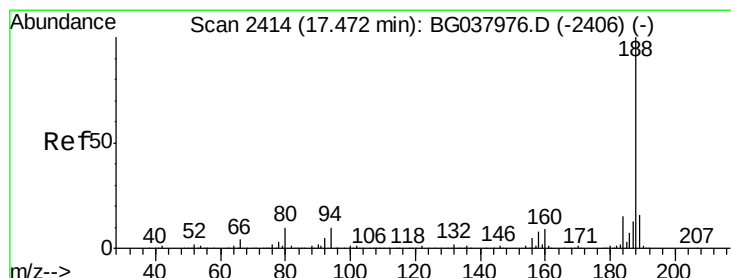
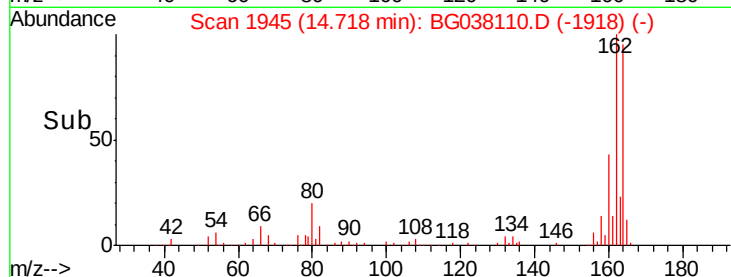
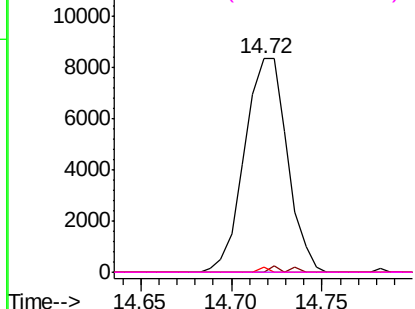
#57
 2,4-Dinitrotoluene
 Concen: 5.288 ng
 RT: 14.72 min Scan# 1945
 Delta R.T. -0.37 min
 Lab File: BG038110.D
 Acq: 21 Nov 2018 8:32

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165	Resp:	13775
Ion Ratio	Lower	Upper
165	100	
63	0.0	33.4 50.0#
89	2.2	57.2 85.8#
182	0.0	2.6 4.0#

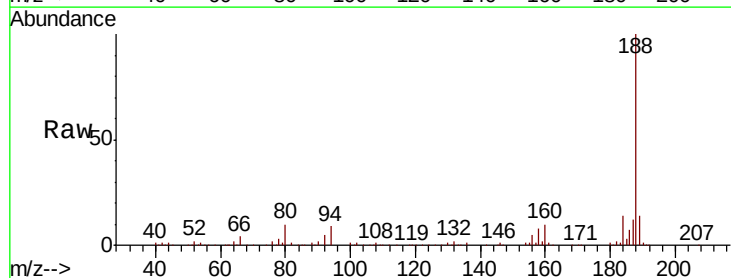


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

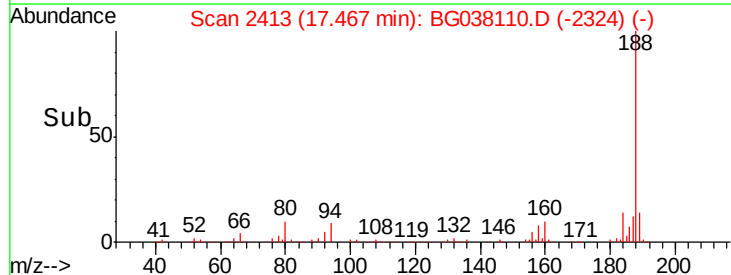
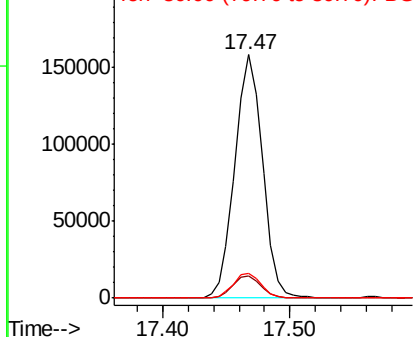


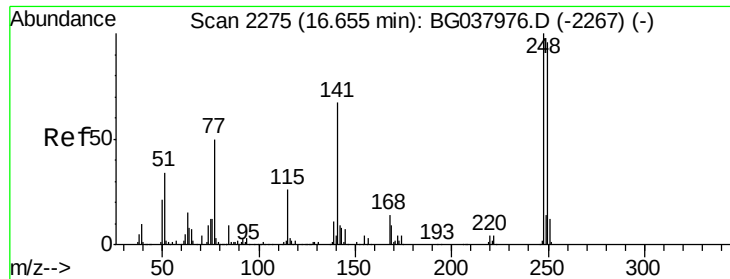
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.47 min Scan# 2413
 Delta R.T. -0.00 min
 Lab File: BG038110.D
 Acq: 21 Nov 2018 8:32

Tgt Ion:188	Resp:	239296
Ion Ratio	Lower	Upper
188	100	
94	9.3	7.2 10.8
80	10.2	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

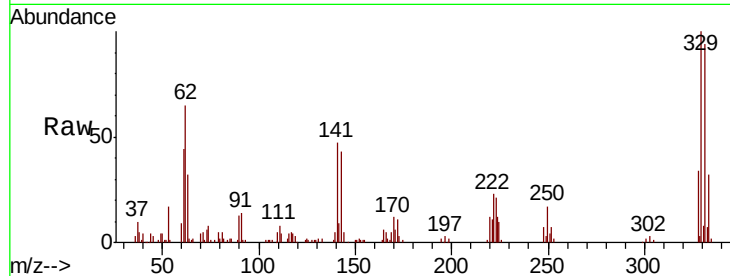




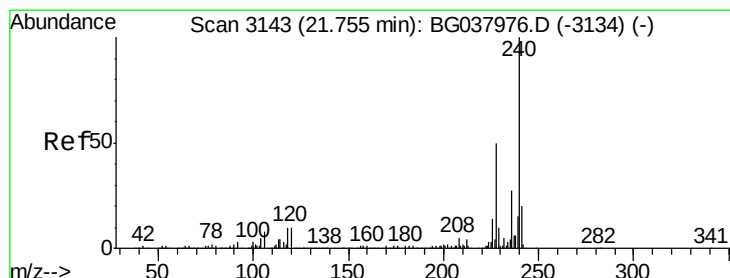
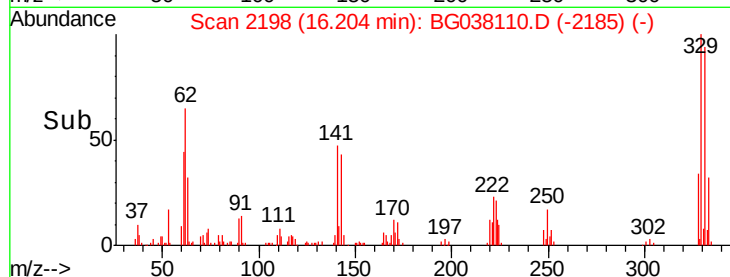
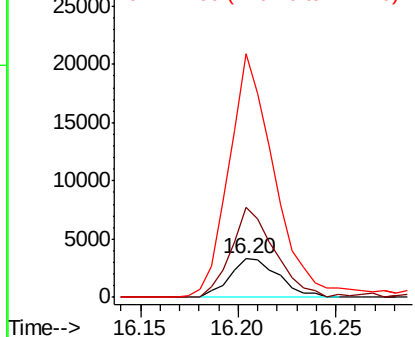
#67
4-Bromophenyl-phenylether
Concen: 2.185 ng
RT: 16.20 min Scan# 2198
Delta R.T. -0.45 min
Lab File: BG038110.D
Acq: 21 Nov 2018 8:32

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 5740
Ion Ratio Lower Upper
248 100
250 216.5 77.0 115.6#
141 465.8 55.5 83.3#

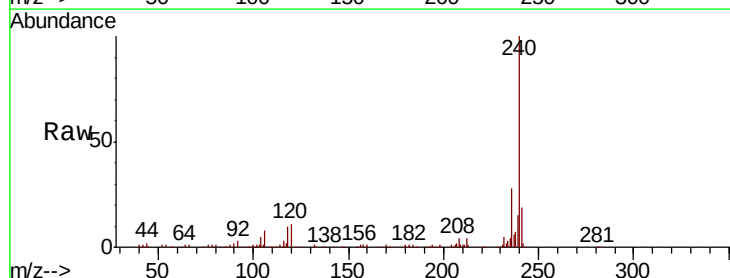


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

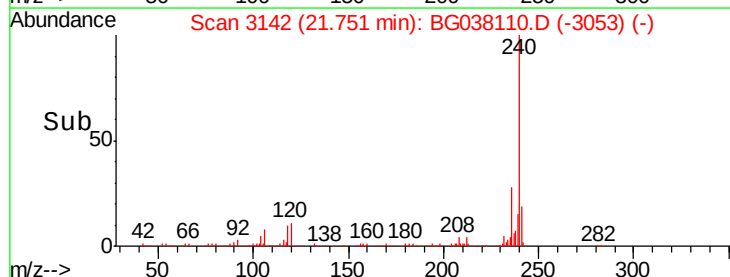
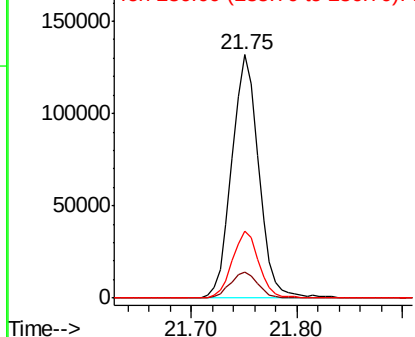


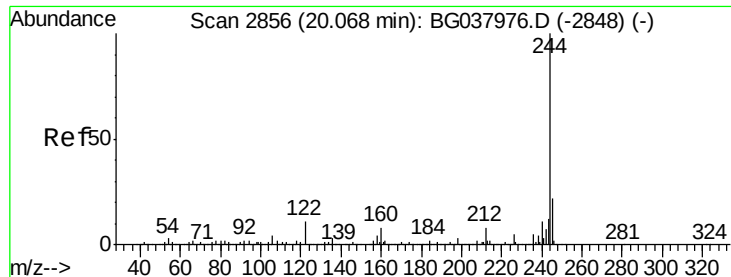
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.75 min Scan# 3142
Delta R.T. -0.00 min
Lab File: BG038110.D
Acq: 21 Nov 2018 8:32

Tgt Ion:240 Resp: 232164
Ion Ratio Lower Upper
240 100
120 10.5 8.1 12.1
236 27.5 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: 78.674 ng

RT: 20.07 min Scan# 2856

Delta R.T. 0.00 min

Lab File: BG038110.D

Acq: 21 Nov 2018 8:32

Instrument :

BNA_G

ClientSampleId :

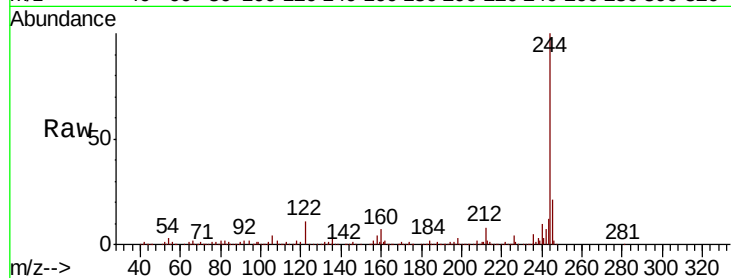
Tot Ion:244 Resp: 776251

Ion Ratio Lower Upper

244 100

212 7.6 6.5 9.7

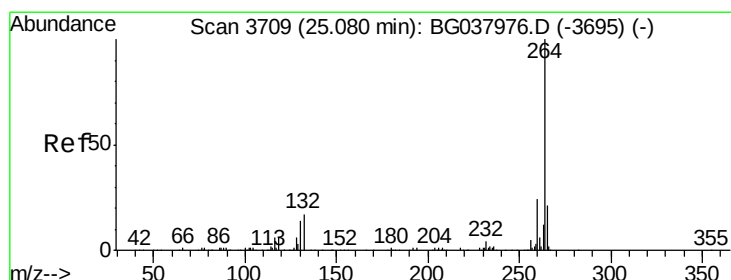
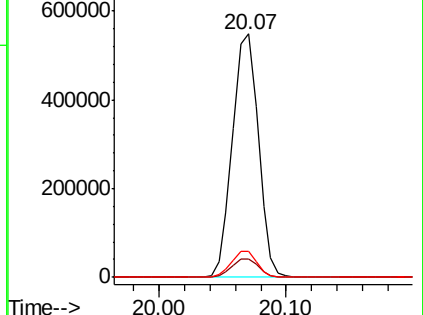
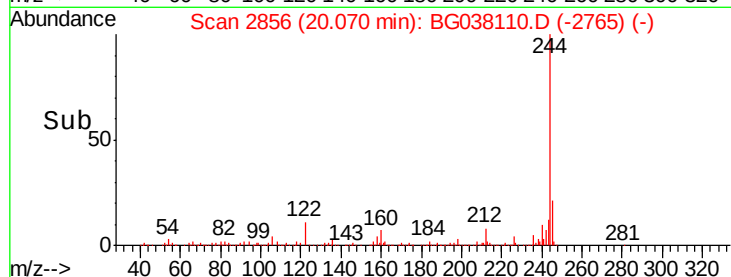
122 10.7 9.0 13.4



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: 25.08 min Scan# 3708

Delta R.T. -0.00 min

Lab File: BG038110.D

Acq: 21 Nov 2018 8:32

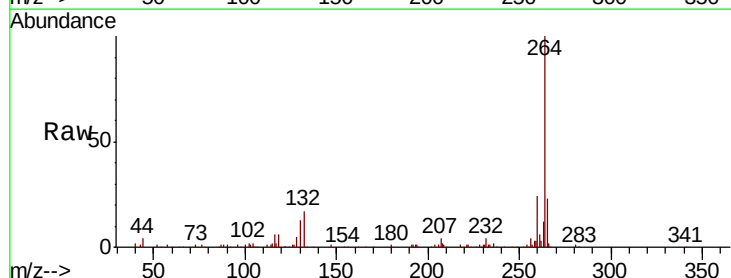
Tgt Ion:264 Resp: 218432

Ion Ratio Lower Upper

264 100

260 23.8 18.2 27.4

265 22.8 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

