

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010419\
 Data File : BG038961.D
 Acq On : 5 Jan 2019 12:50
 Operator : JU/SJ
 Sample : K1036-18
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 06 22:44:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 15:26:27 2018
 Response via : Initial Calibration

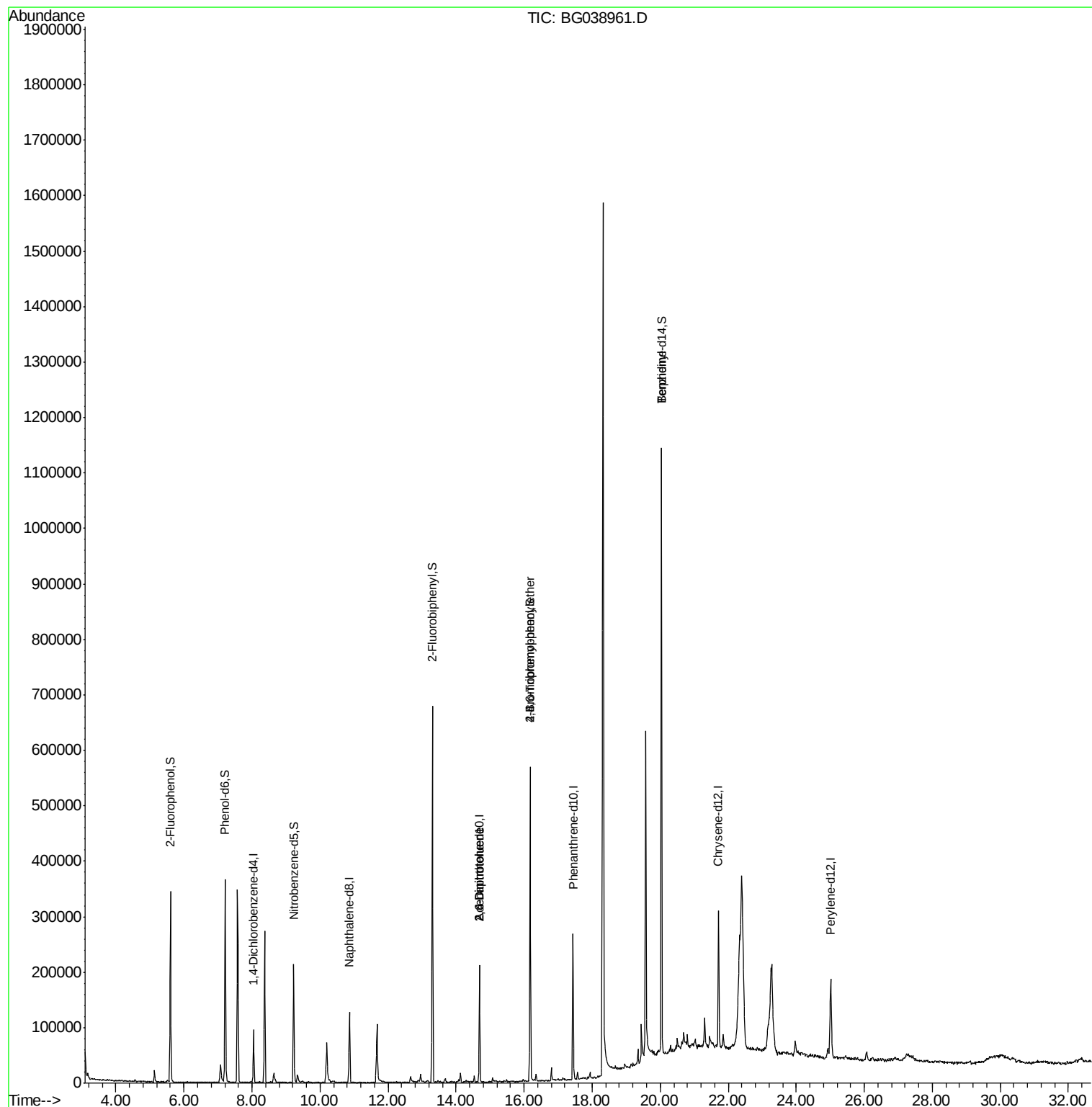
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	27505	20.00	ng	-0.01
21) Naphthalene-d8	10.87	136	111678	20.00	ng	-0.01
39) Acenaphthene-d10	14.69	164	75039	20.00	ng	-0.01
64) Phenanthrene-d10	17.44	188	174372	20.00	ng	0.00
76) Chrysene-d12	21.71	240	162066	20.00	ng	-0.01
87) Perylene-d12	25.02	264	179248	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	149156	96.18	ng	0.00
7) Phenol-d6	7.21	99	213771	100.41	ng	0.00
23) Nitrobenzene-d5	9.23	82	131121	59.98	ng	-0.01
42) 2,4,6-Tribromophenol	16.18	330	119244	115.30	ng	-0.01
45) 2-Fluorobiphenyl	13.31	172	366496	67.00	ng	-0.01
79) Terphenyl-d14	20.04	244	555298	74.57	ng	0.00
Target Compounds						
51) 2,6-Dinitrotoluene	14.69	165	9494	6.837	ng	# 22
57) 2,4-Dinitrotoluene	14.69	165	9494	4.854	ng	# 24
67) 4-Bromophenyl-phenylether	16.18	248	7859	3.690	ng	# 1
77) Benzidine	20.04	184	10024	2.091	ng	# 87

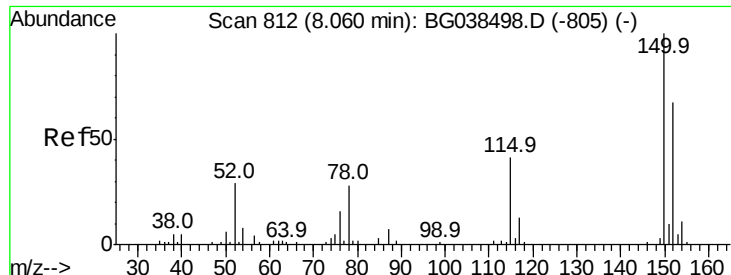
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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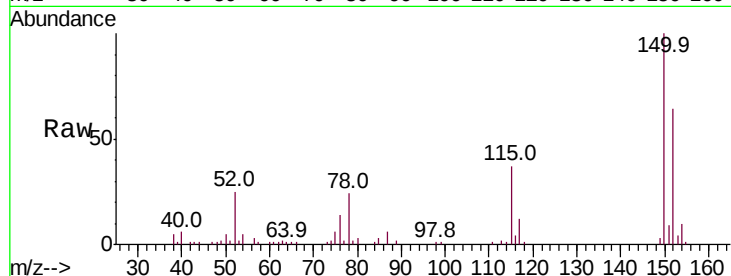


#1

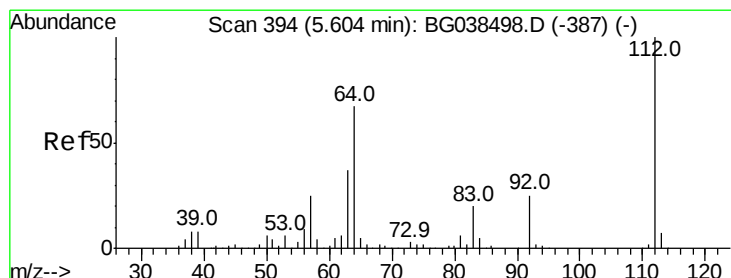
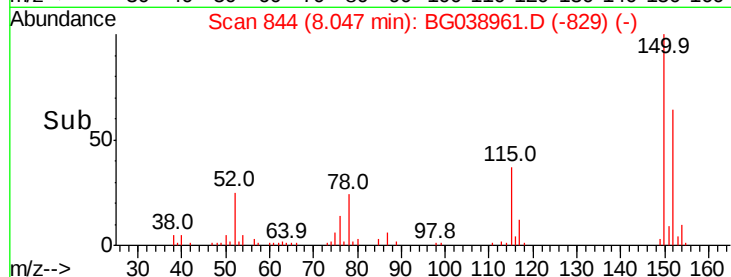
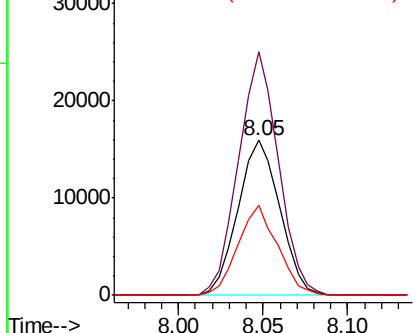
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG038961.D
Acq: 5 Jan 2019 12:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 27505
Ion Ratio Lower Upper
152 100
150 157.1 119.5 179.3
115 58.1 49.6 74.4



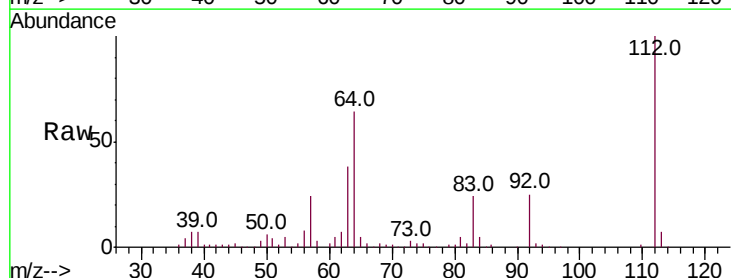
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



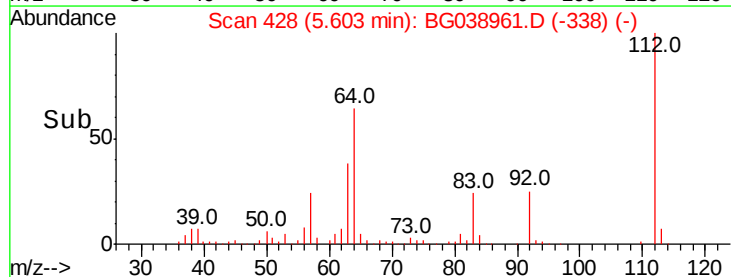
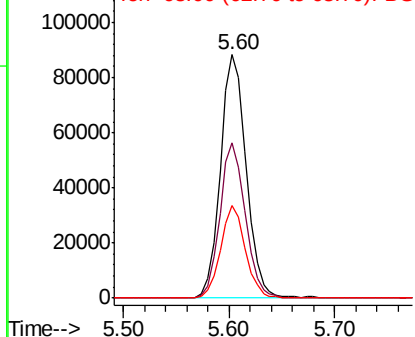
#5

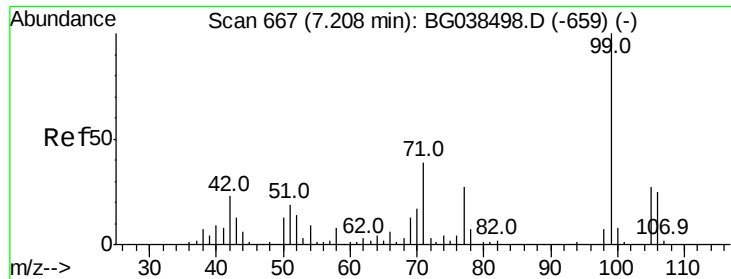
2-Fluorophenol
Concen: 96.183 ng
RT: 5.60 min Scan# 428
Delta R.T. 0.00 min
Lab File: BG038961.D
Acq: 5 Jan 2019 12:50

Tgt Ion:112 Resp: 149156
Ion Ratio Lower Upper
112 100
64 63.5 53.4 80.2
63 38.1 29.3 43.9



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: 100.414 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG038961.D

Acq: 5 Jan 2019 12:50

Instrument :

BNA_G

ClientSampleId :

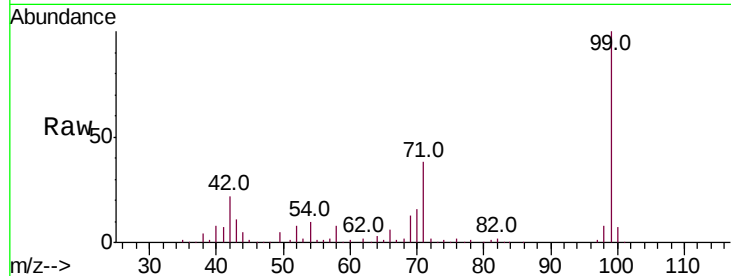
Tot Ion: 99 Resp: 213771

Ion Ratio Lower Upper

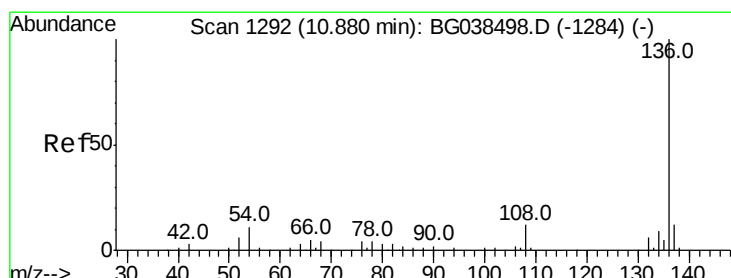
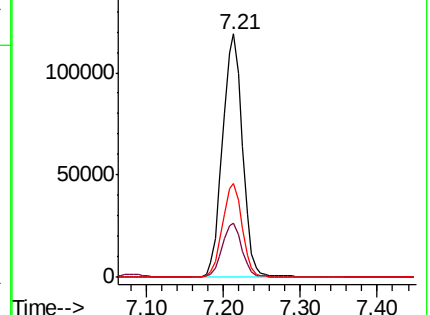
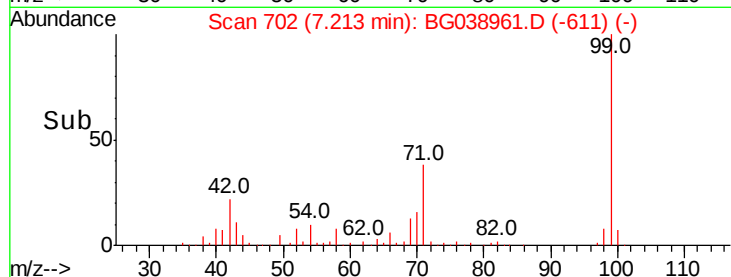
99 100

42 22.4 18.5 27.7

71 38.4 31.1 46.7



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BG038961.D

Acq: 5 Jan 2019 12:50

Tgt Ion: 136 Resp: 111678

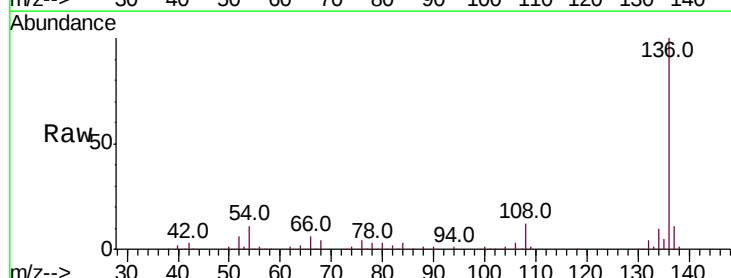
Ion Ratio Lower Upper

136 100

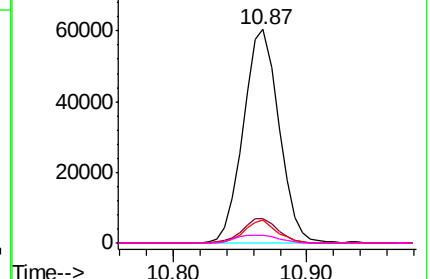
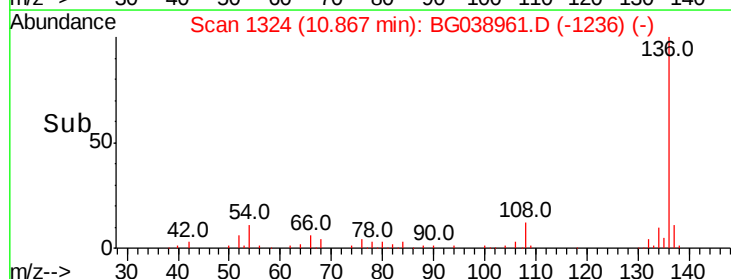
137 11.4 9.3 13.9

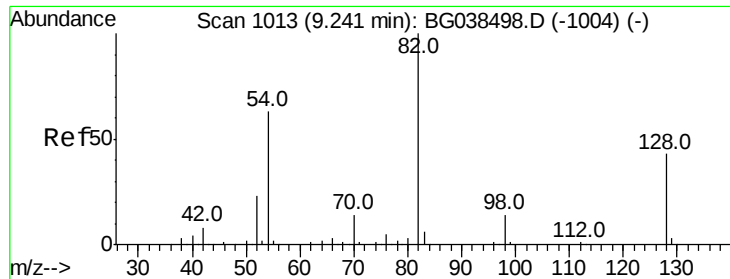
54 10.8 8.5 12.7

68 3.9 3.5 5.3



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

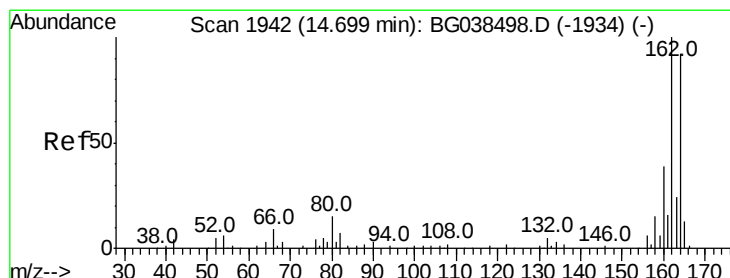
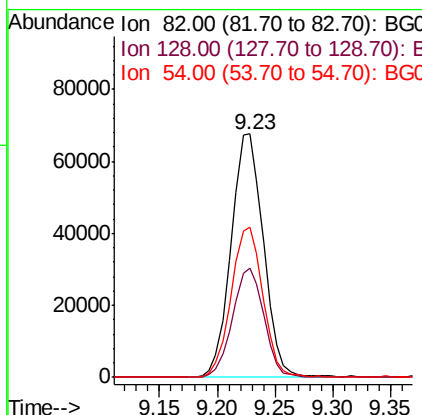
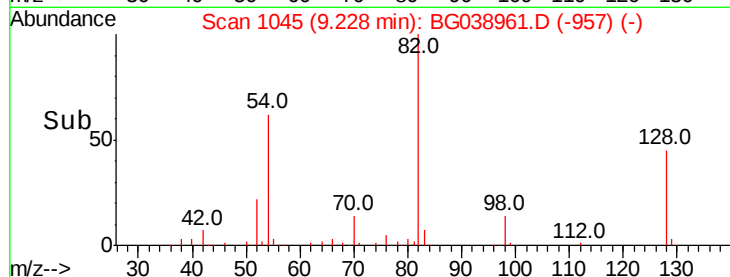
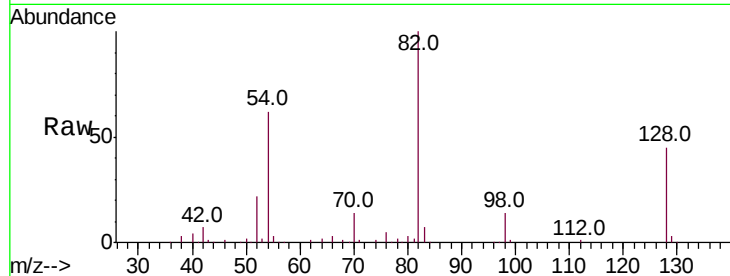




#23
Nitrobenzene-d5
Concen: 59.981 ng
RT: 9.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BG038961.D
Acq: 5 Jan 2019 12:50

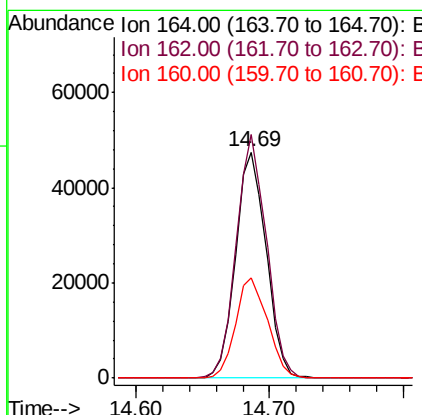
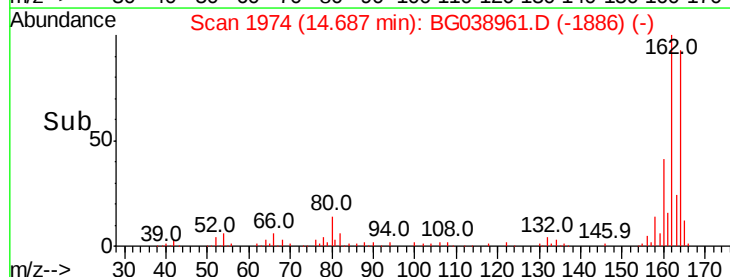
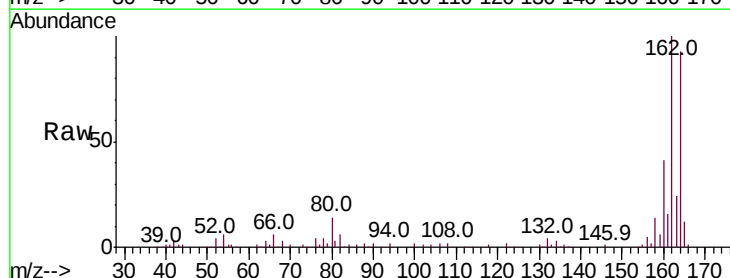
Instrument :
BNA_G
ClientSampleId :

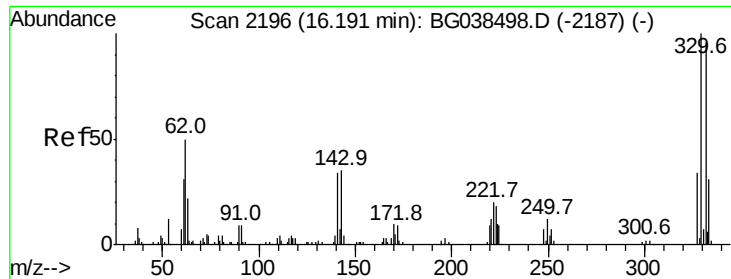
Tot Ion: 82 Resp: 131121
Ion Ratio Lower Upper
82 100
128 45.1 34.6 52.0
54 61.6 50.6 76.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BG038961.D
Acq: 5 Jan 2019 12:50

Tgt Ion:164 Resp: 75039
Ion Ratio Lower Upper
164 100
162 107.8 86.6 130.0
160 44.6 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 115.304 ng

RT: 16.18 min Scan# 2228

Delta R.T. -0.01 min

Lab File: BG038961.D

Acq: 5 Jan 2019 12:50

Instrument :

BNA_G

ClientSampleId :

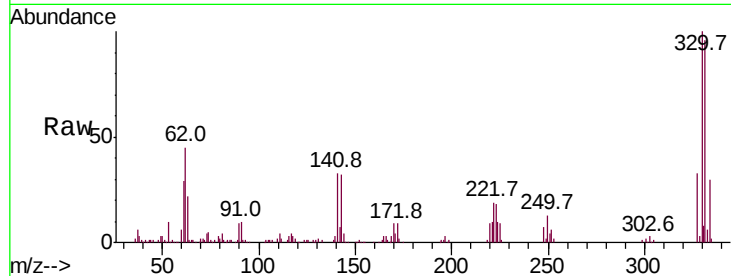
Tot Ion:330 Resp: 119244

Ion Ratio Lower Upper

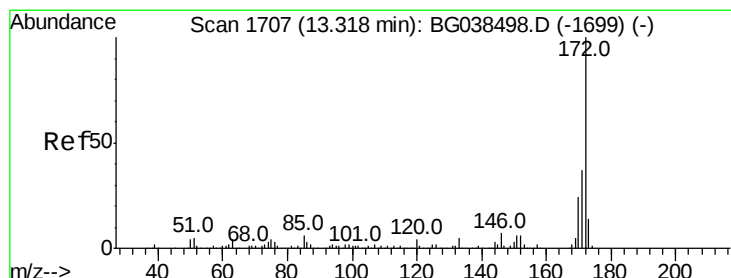
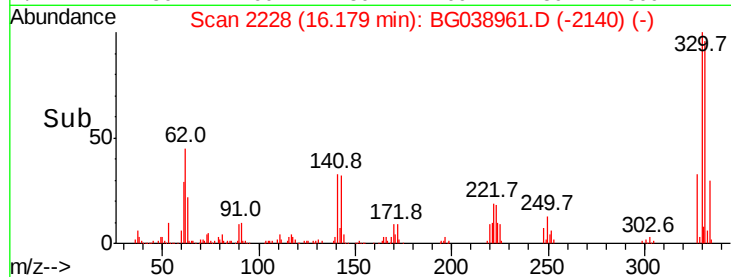
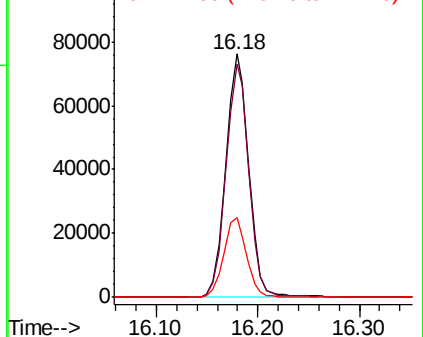
330 100

332 95.5 76.9 115.3

141 32.6 28.8 43.2



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: 67.002 ng

RT: 13.31 min Scan# 1739

Delta R.T. -0.01 min

Lab File: BG038961.D

Acq: 5 Jan 2019 12:50

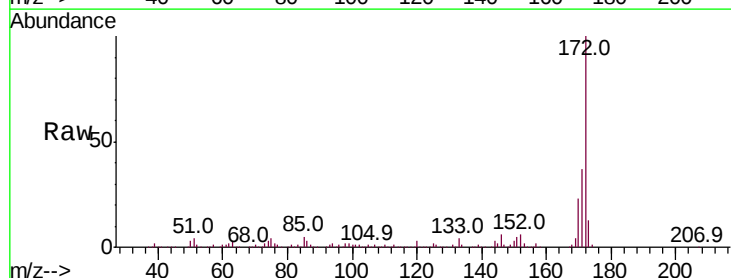
Tgt Ion:172 Resp: 366496

Ion Ratio Lower Upper

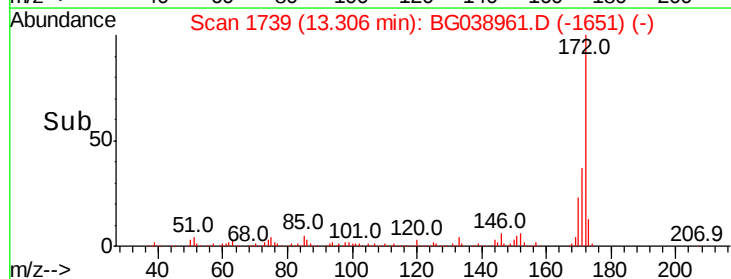
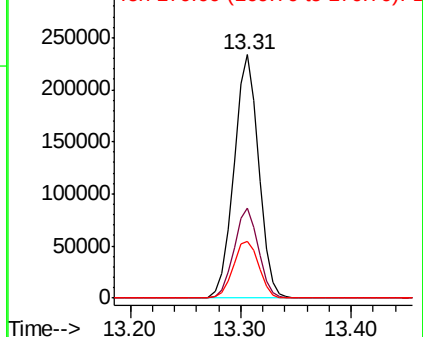
172 100

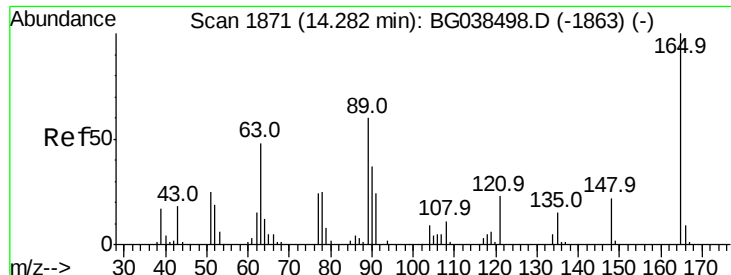
171 37.1 29.8 44.6

170 23.2 19.5 29.3



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

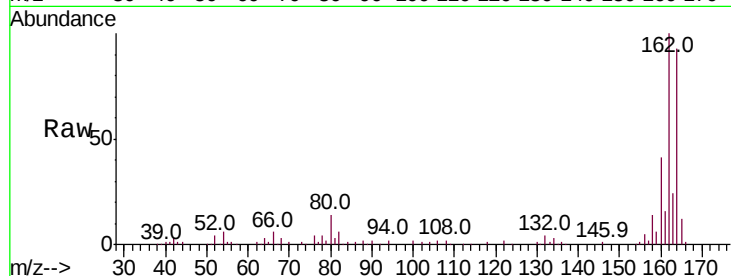




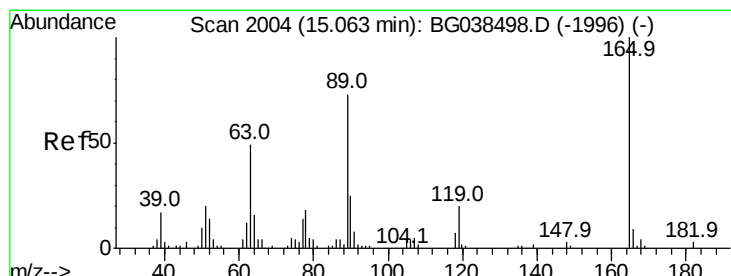
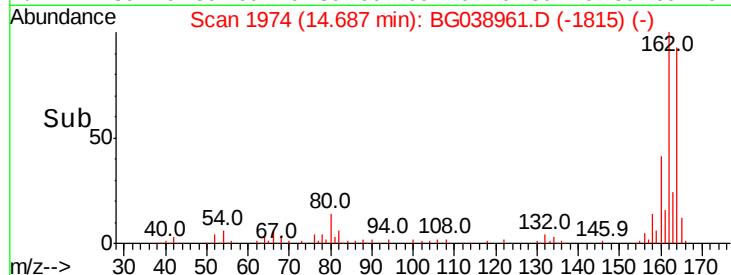
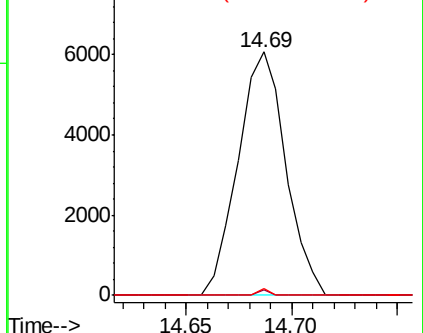
#51
 2,6-Dinitrotoluene
 Concen: 6.837 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. 0.40 min
 Lab File: BG038961.D
 Acq: 5 Jan 2019 12:50

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.5	51.8	77.6#
89	2.6	47.9	71.9#



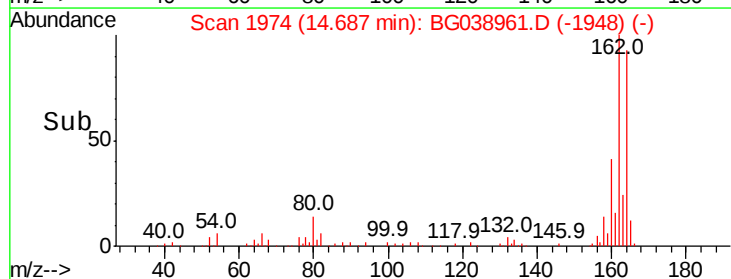
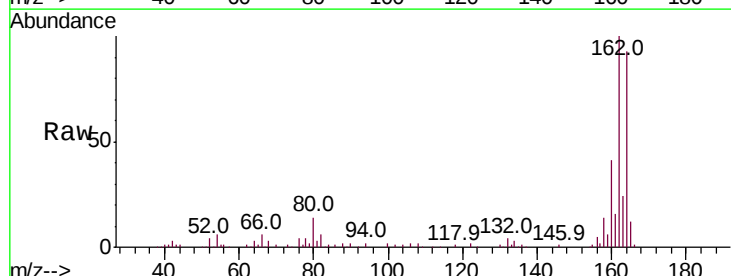
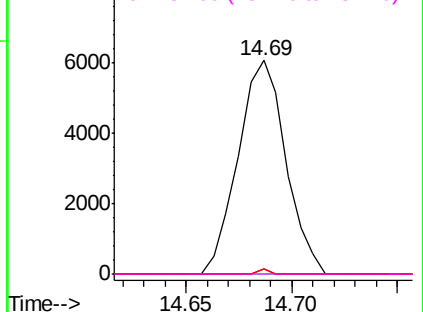
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG

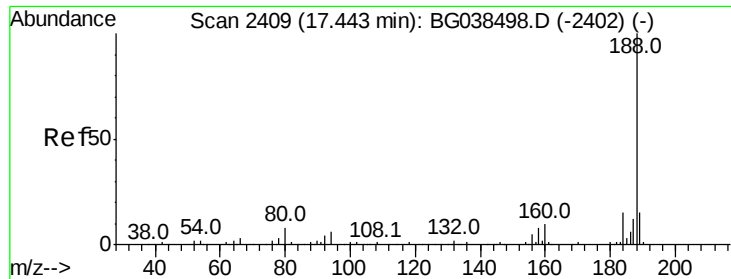


#57
 2,4-Dinitrotoluene
 Concen: 4.854 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.38 min
 Lab File: BG038961.D
 Acq: 5 Jan 2019 12:50

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.5	39.0	58.4#
89	2.6	58.0	87.0#
182	0.0	2.3	3.5#

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.44 min Scan# 2442

Delta R.T. -0.01 min

Lab File: BG038961.D

Acq: 5 Jan 2019 12:50

Instrument :

BNA_G

ClientSampled :

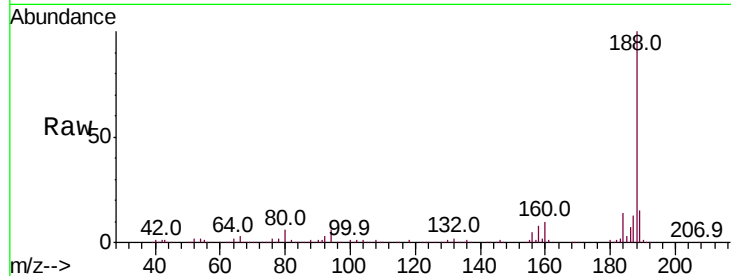
Tot Ion:188 Resp: 174372

Ion Ratio Lower Upper

188 100

94 5.9 5.1 7.7

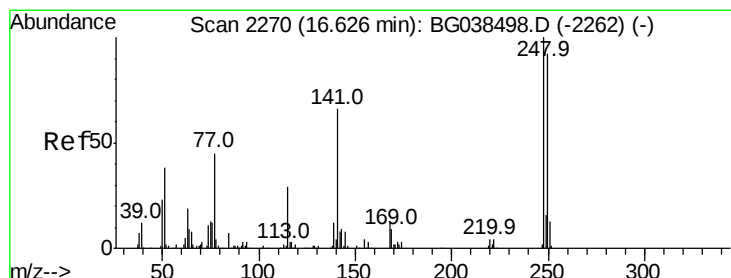
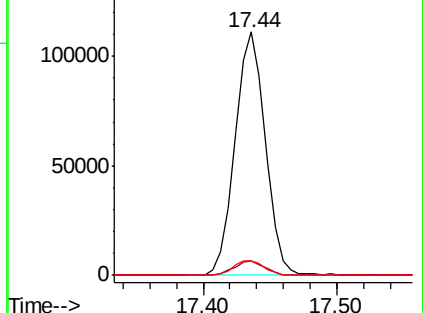
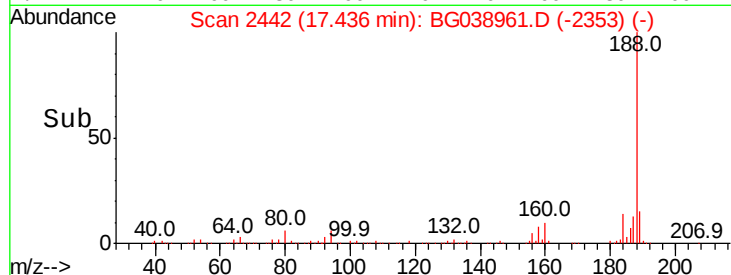
80 6.0 6.1 9.1#



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: 3.690 ng

RT: 16.18 min Scan# 2228

Delta R.T. -0.45 min

Lab File: BG038961.D

Acq: 5 Jan 2019 12:50

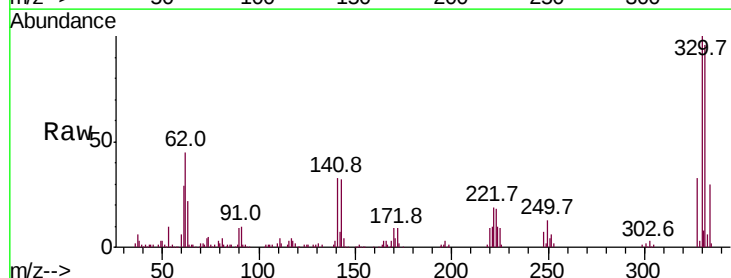
Tgt Ion:248 Resp: 7859

Ion Ratio Lower Upper

248 100

250 181.4 73.4 110.2#

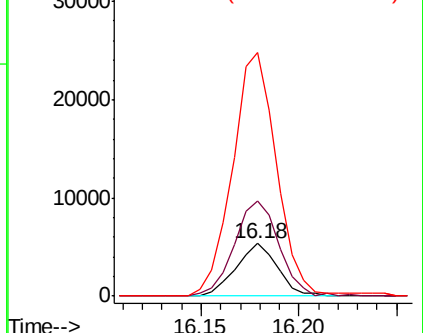
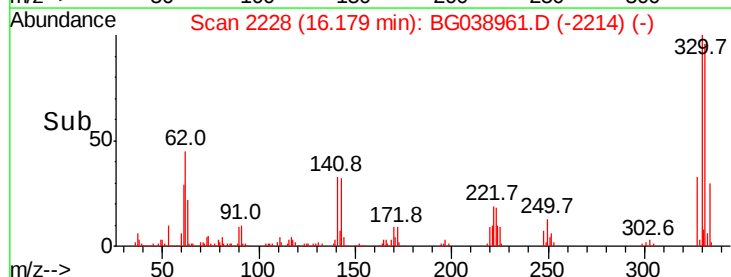
141 360.7 52.9 79.3#

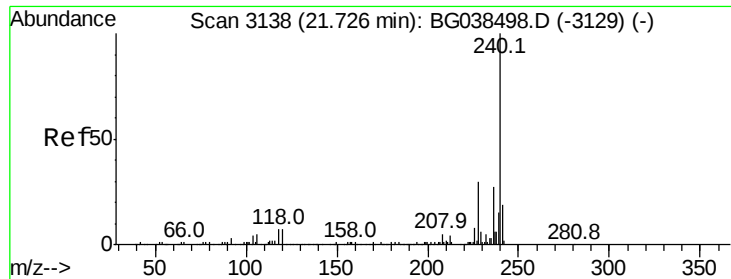


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.71 min Scan# 3170

Delta R.T. -0.01 min

Lab File: BG038961.D

Acq: 5 Jan 2019 12:50

Instrument :

BNA_G

ClientSampleId :

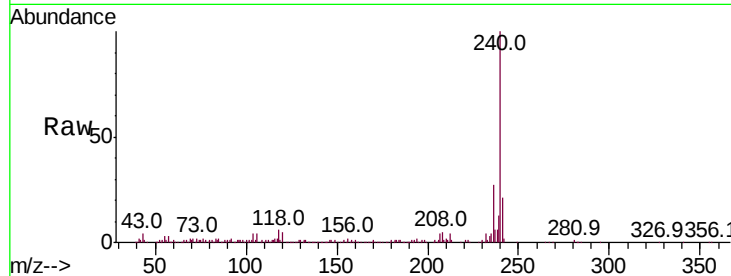
Tot Ion:240 Resp: 162066

Ion Ratio Lower Upper

240 100

120 5.3 5.3 7.9

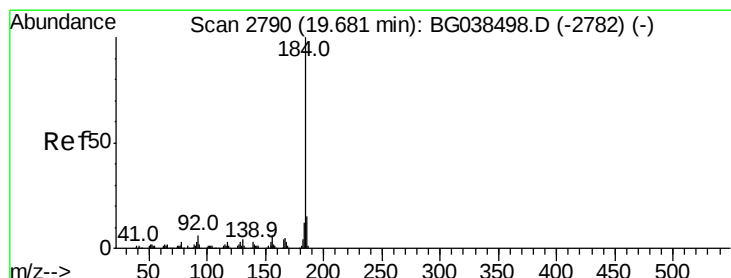
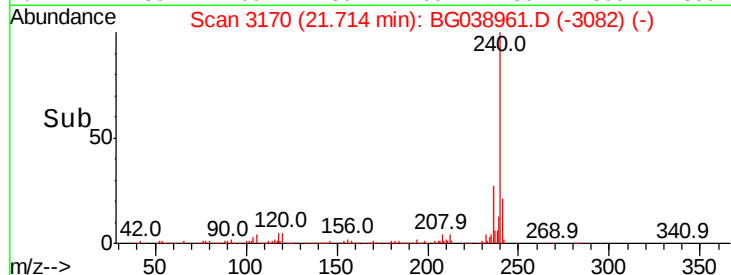
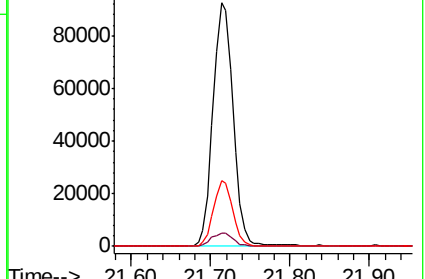
236 27.1 21.4 32.2



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: 2.091 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.36 min

Lab File: BG038961.D

Acq: 5 Jan 2019 12:50

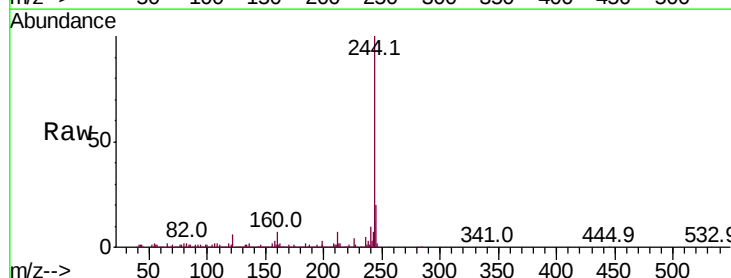
Tgt Ion:184 Resp: 10024

Ion Ratio Lower Upper

184 100

185 23.4 12.2 18.2#

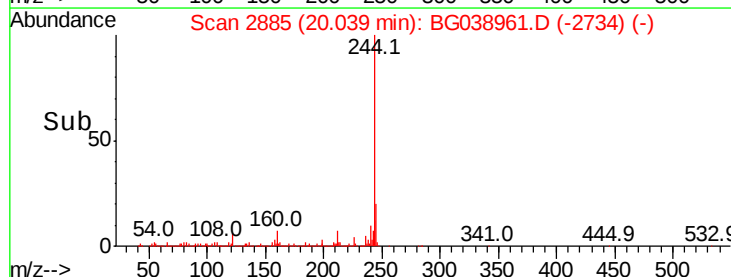
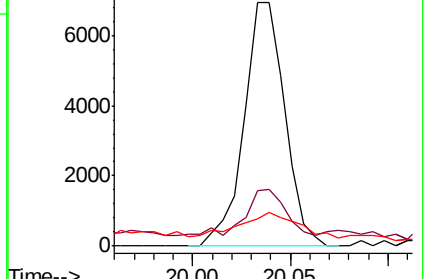
183 14.0 9.6 14.4

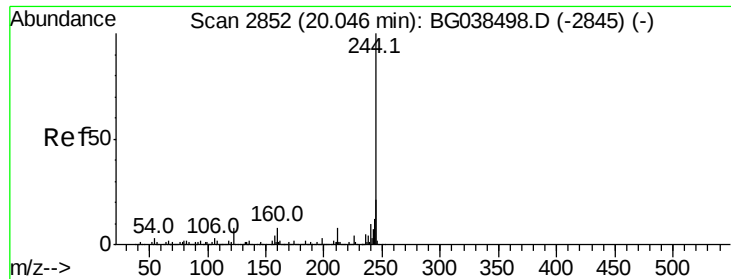


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 74.569 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG038961.D

Acq: 5 Jan 2019 12:50

Instrument :

BNA_G

ClientSampled :

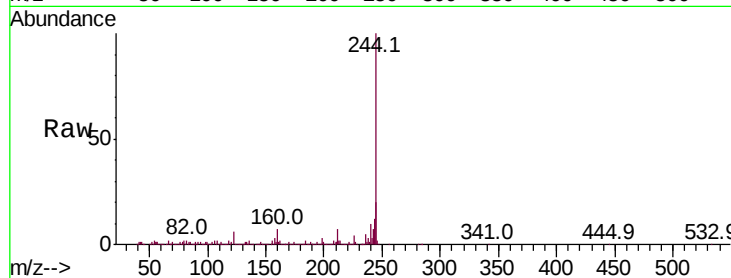
Tot Ion:244 Resp: 555298

Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.2

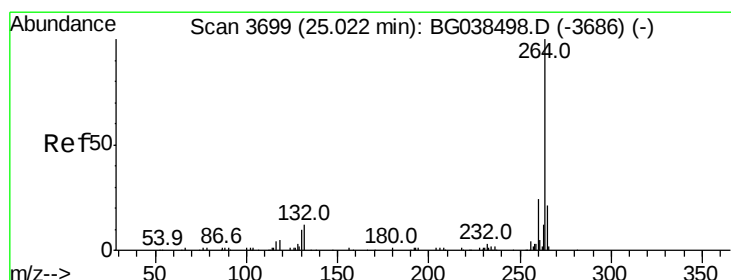
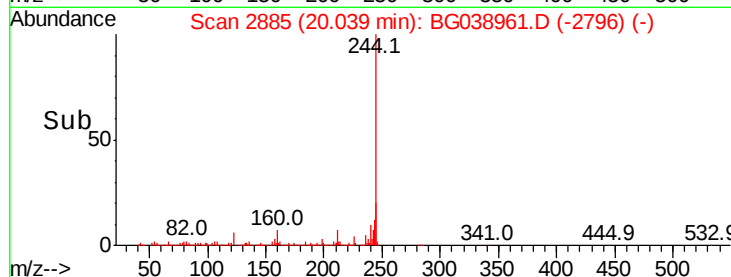
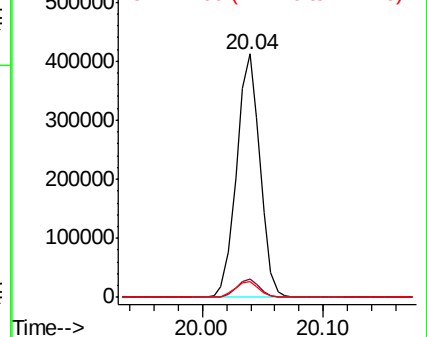
122 6.4 6.3 9.5



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: 25.02 min Scan# 3732

Delta R.T. -0.01 min

Lab File: BG038961.D

Acq: 5 Jan 2019 12:50

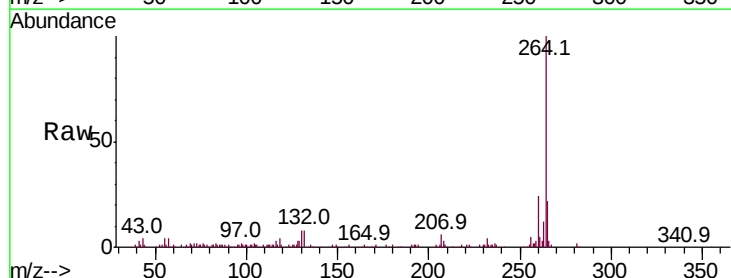
Tgt Ion:264 Resp: 179248

Ion Ratio Lower Upper

264 100

260 24.3 18.9 28.3

265 21.6 17.0 25.4



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

