

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021919\
 Data File : BG039570.D
 Acq On : 20 Feb 2019 1:00
 Operator : JU/SJ
 Sample : PB117221BL
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB117221BL

Quant Time: Feb 20 01:40:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 29 15:41:51 2019
 Response via : Initial Calibration

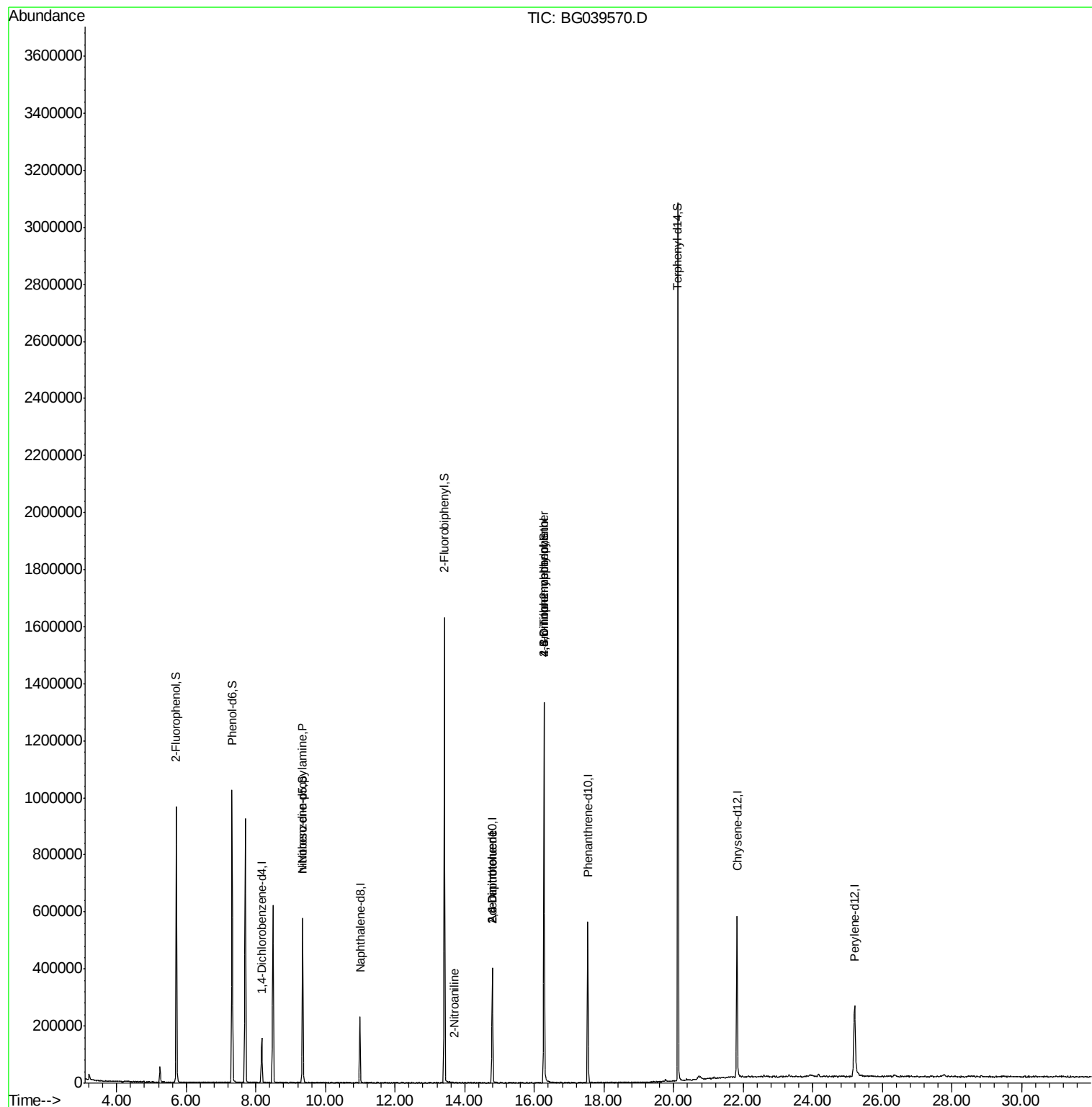
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	45219	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	196308	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	142088	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	358425	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	369587	20.00	ng	-0.03
87) Perylene-d12	25.19	264	339164	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	403694	152.80	ng	0.00
7) Phenol-d6	7.32	99	595968	153.24	ng	0.00
23) Nitrobenzene-d5	9.34	82	340100	108.23	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	241262	157.68	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	864918	87.32	ng	-0.02
79) Terphenyl-d14	20.12	244	1455478	83.36	ng	-0.03
Target Compounds						
9) Benzaldehyde	7.32	77	959	Below Cal	Qvalue	
19) n-Nitroso-di-n-propylamine	9.34	70	43972	15.930 ng	#	4
48) 2-Nitroaniline	13.69	65	55	8.314 ng	#	10
51) 2,6-Dinitrotoluene	14.79	165	18500	14.006 ng	#	24
57) 2,4-Dinitrotoluene	14.79	165	18500	13.461 ng	#	20
65) 4,6-Dinitro-2-methylphenol	16.28	198	830	4.917 ng	#	1
67) 4-Bromophenyl-phenylether	16.28	248	17874	4.495 ng	#	1

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

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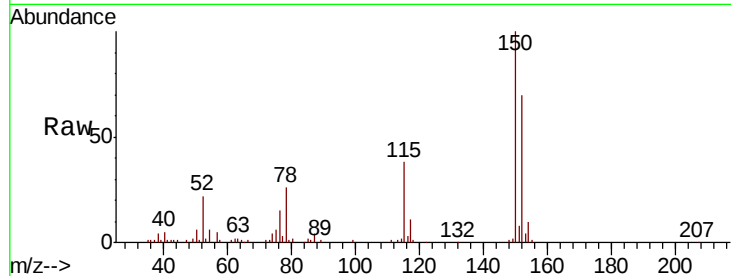


#1

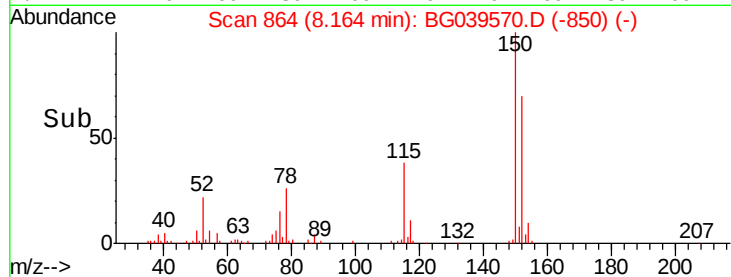
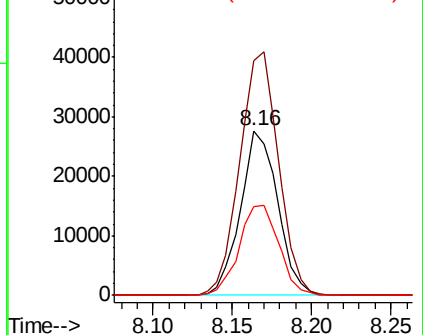
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 864
Delta R.T. -0.02 min
Lab File: BG039570.D
Acq: 20 Feb 2019 1:00

Instrument :
BNA_G
ClientSampled :
PB117221BL

Tgt Ion:152 Resp: 45219
Ion Ratio Lower Upper
152 100
150 142.6 123.7 185.5
115 54.1 45.9 68.9



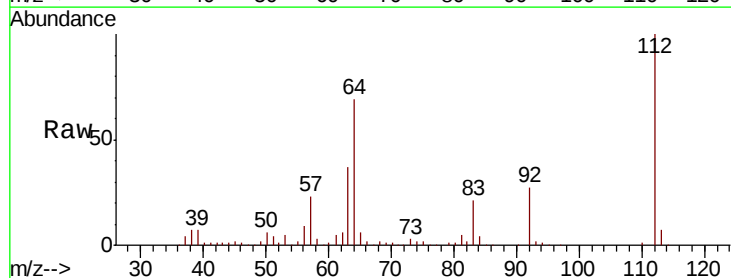
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



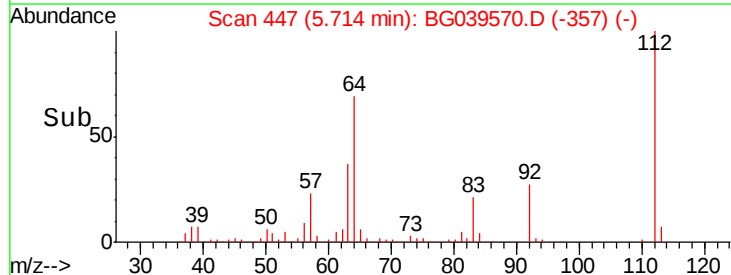
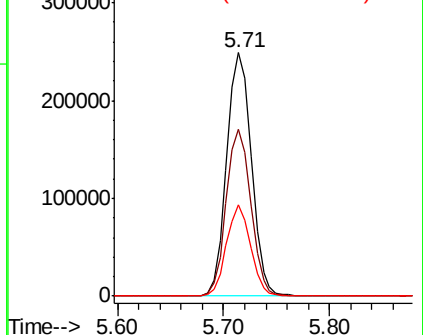
#5

2-Fluorophenol
Concen: 152.795 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039570.D
Acq: 20 Feb 2019 1:00

Tgt Ion:112 Resp: 403694
Ion Ratio Lower Upper
112 100
64 68.6 57.8 86.8
63 37.3 29.8 44.6



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: 153.243 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG039570.D

Acq: 20 Feb 2019 1:00

Instrument :

BNA_G

ClientSampleId :

PB117221BL

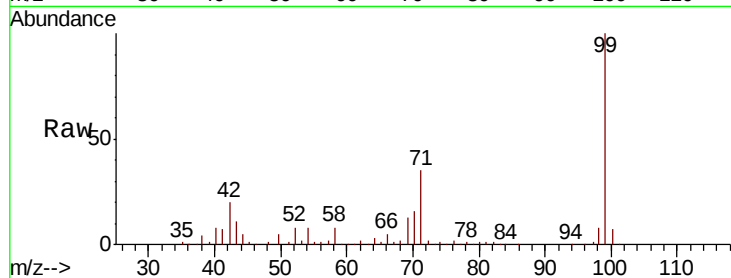
Tgt Ion: 99 Resp: 595968

Ion Ratio Lower Upper

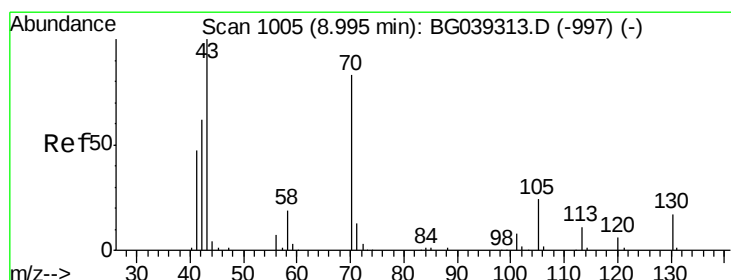
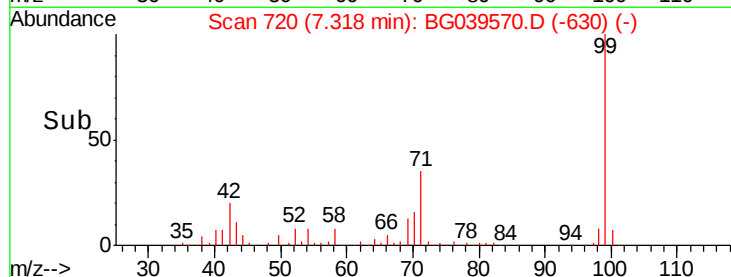
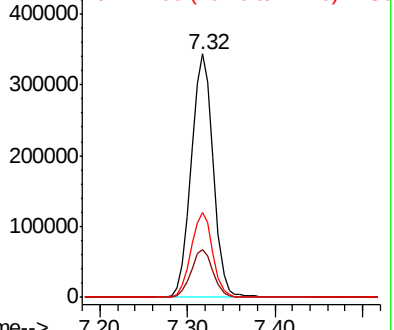
99 100

42 19.8 18.2 27.2

71 34.7 28.0 42.0



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: 15.930 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039570.D

Acq: 20 Feb 2019 1:00

Tgt Ion: 70 Resp: 43972

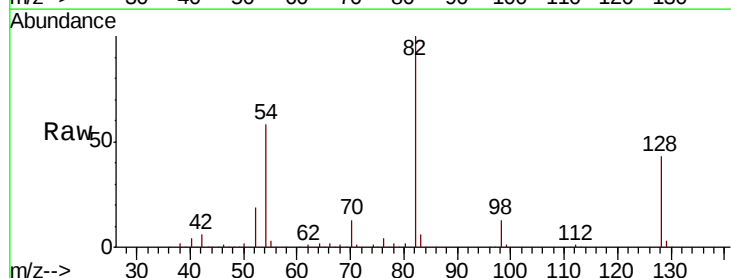
Ion Ratio Lower Upper

70 100

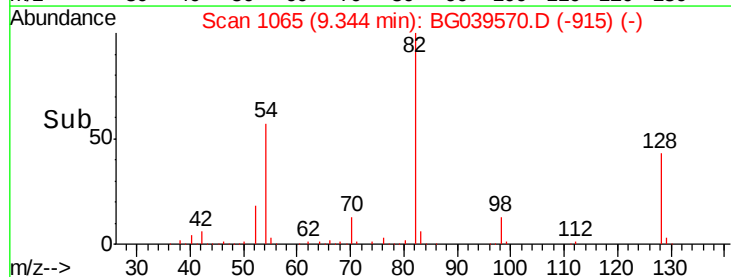
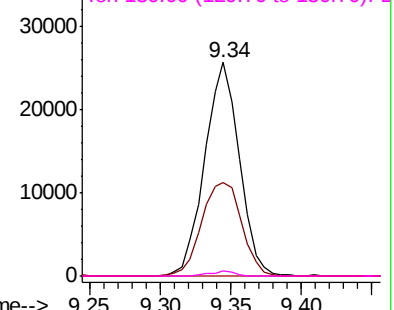
42 43.9 60.4 90.6#

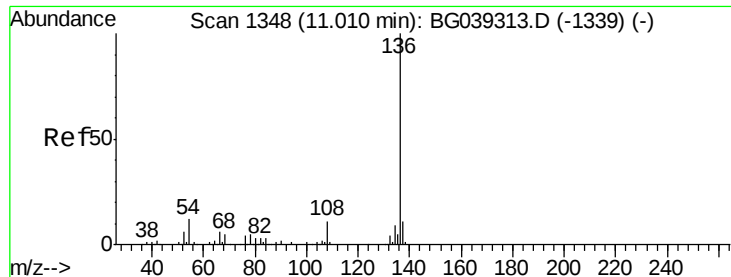
101 0.0 7.5 11.3#

130 2.4 16.9 25.3#



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

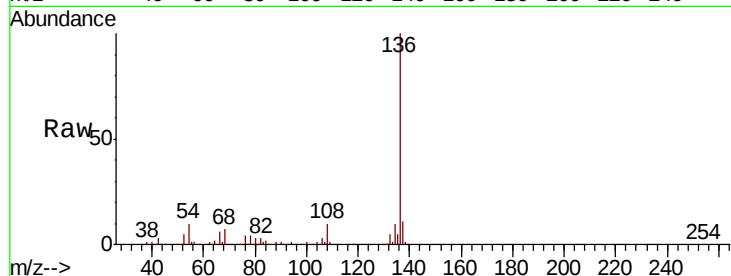




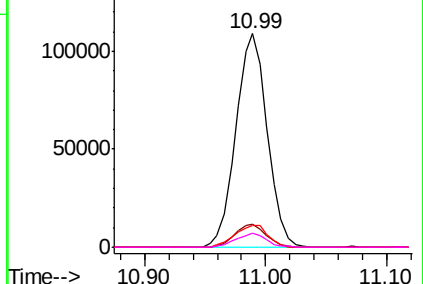
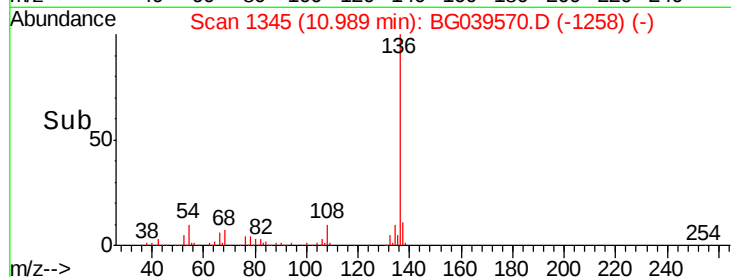
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039570.D
Acq: 20 Feb 2019 1:00

Instrument :
BNA_G
ClientSampleId :
PB117221BL

Tgt Ion:	136	Resp:	196308
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	10.4	9.4	14.2
68	6.8	4.2	6.4#

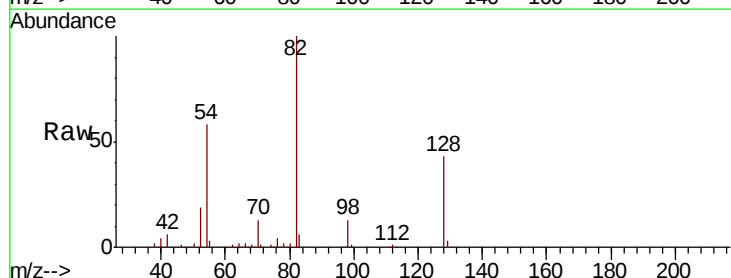


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

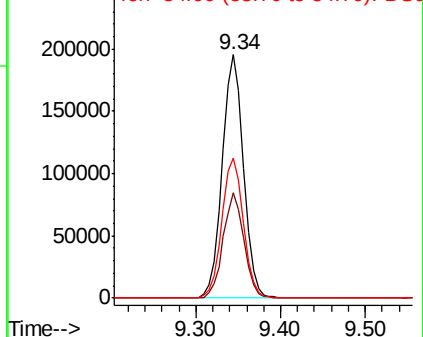
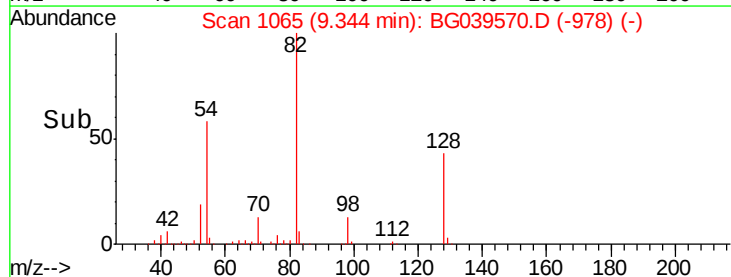


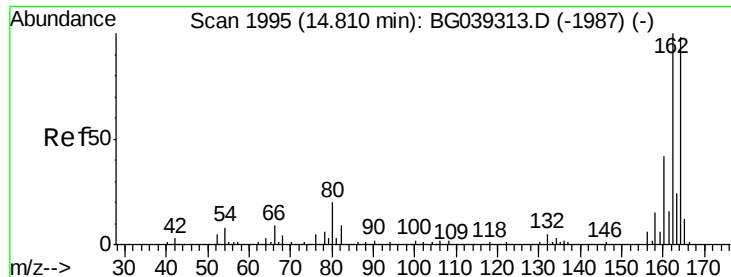
#23
Nitrobenzene-d5
Concen: 108.231 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039570.D
Acq: 20 Feb 2019 1:00

Tgt Ion:	82	Resp:	340100
Ion	Ratio	Lower	Upper
82	100		
128	43.1	31.3	46.9
54	57.5	50.9	76.3



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.02 min

Lab File: BG039570.D

Acq: 20 Feb 2019 1:00

Instrument :

BNA_G

ClientSampleId :

PB117221BL

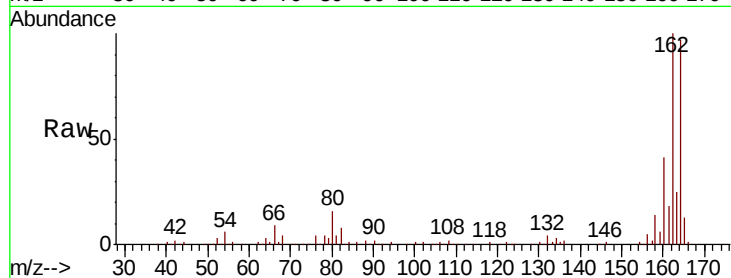
Tgt Ion:164 Resp: 142088

Ion Ratio Lower Upper

164 100

162 102.7 81.6 122.4

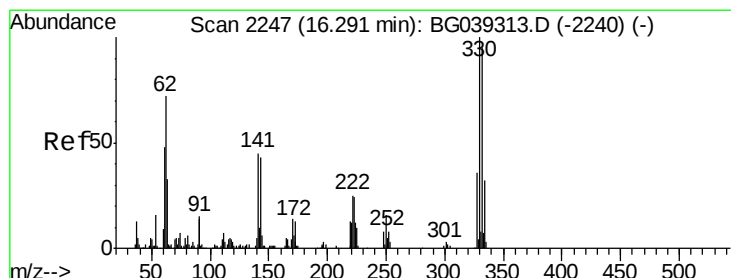
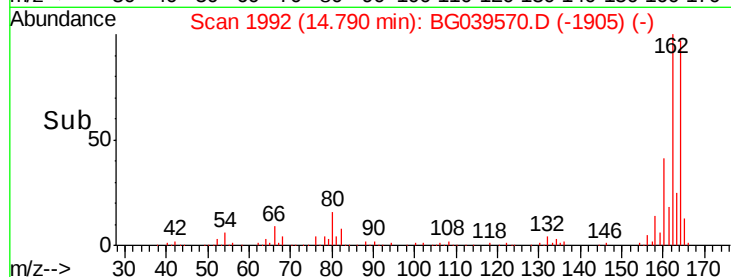
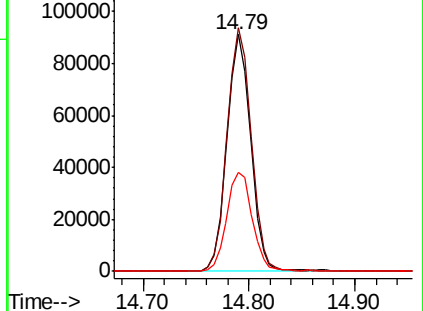
160 41.9 34.2 51.2



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: 157.683 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039570.D

Acq: 20 Feb 2019 1:00

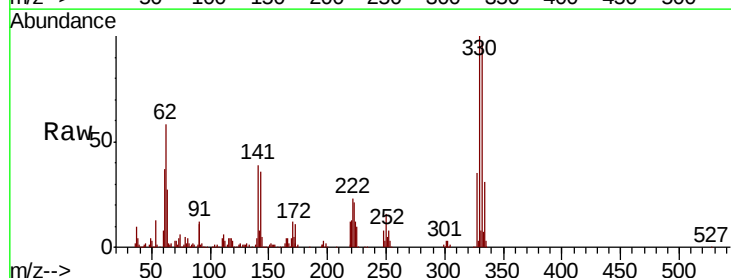
Tgt Ion:330 Resp: 241262

Ion Ratio Lower Upper

330 100

332 96.3 75.7 113.5

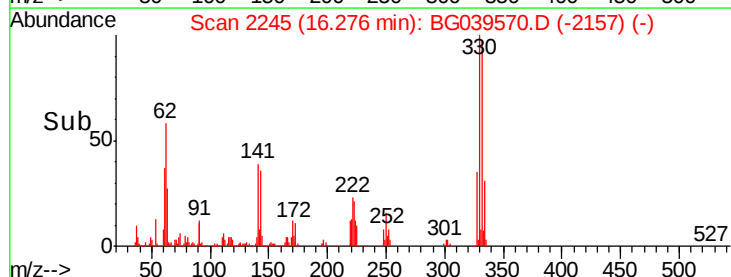
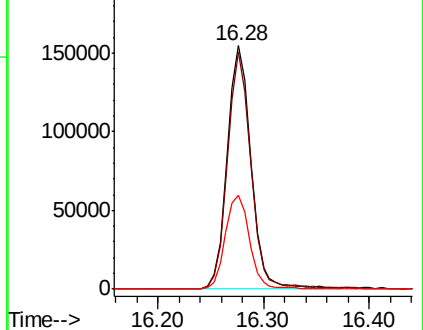
141 39.8 35.6 53.4



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

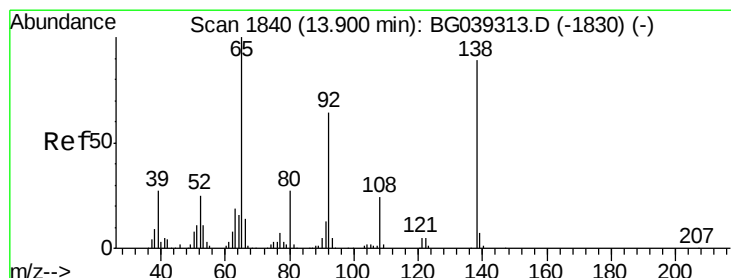
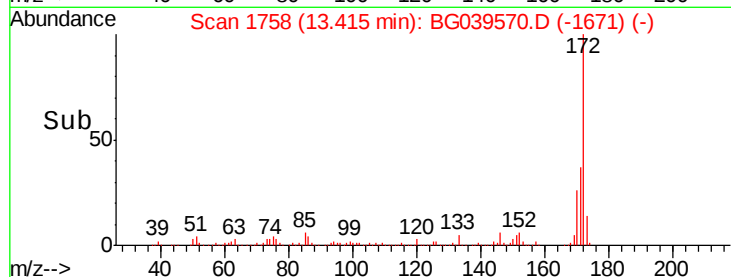
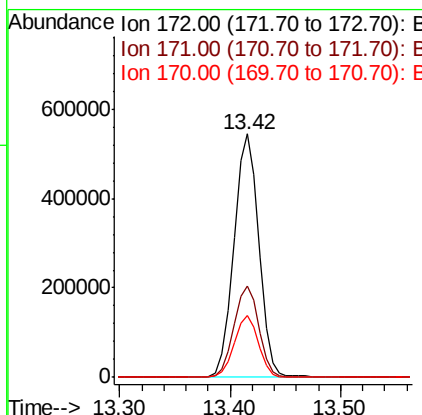
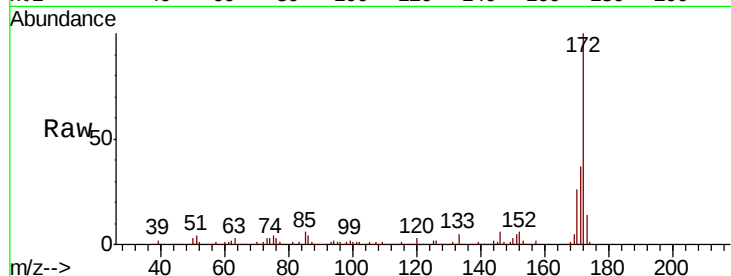




#45
2-Fluorobiphenyl
Concen: 87.324 ng
RT: 13.42 min Scan# 1758
Delta R.T. -0.02 min
Lab File: BG039570.D
Acq: 20 Feb 2019 1:00

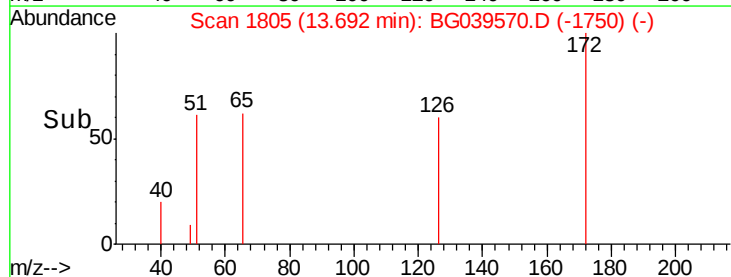
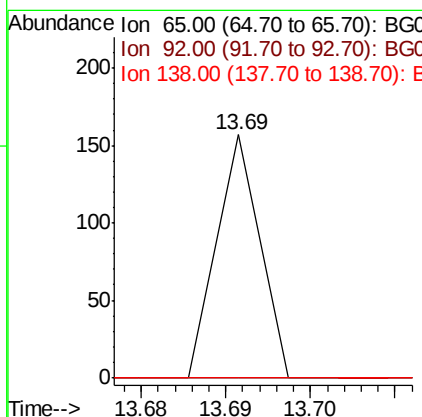
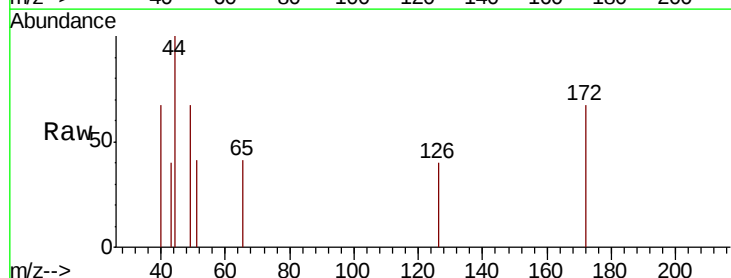
Instrument :
BNA_G
ClientSampleId :
PB117221BL

Tgt Ion: 172 Resp: 864918
Ion Ratio Lower Upper
172 100
171 37.4 30.8 46.2
170 25.5 20.2 30.4



#48
2-Nitroaniline
Concen: 8.314 ng
RT: 13.69 min Scan# 1805
Delta R.T. -0.21 min
Lab File: BG039570.D
Acq: 20 Feb 2019 1:00

Tgt Ion: 65 Resp: 55
Ion Ratio Lower Upper
65 100
92 0.0 51.4 77.2#
138 0.0 71.4 107.2#





#51

2,6-Dinitrotoluene

Concen: 14.006 ng

RT: 14.79 min Scan# 1992

Delta R.T. 0.40 min

Lab File: BG039570.D

Acq: 20 Feb 2019 1:00

Instrument :

BNA_G

ClientSampleId :

PB117221BL

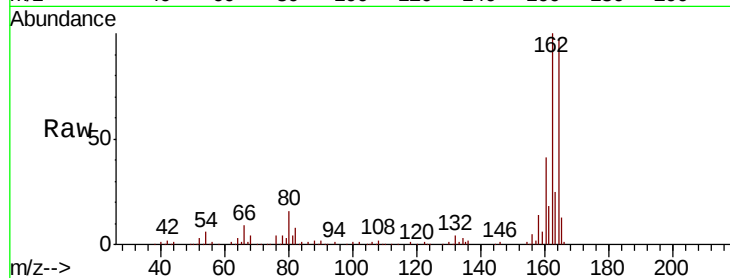
Tgt Ion:165 Resp: 18500

Ion Ratio Lower Upper

165 100

63 1.8 47.0 70.6#

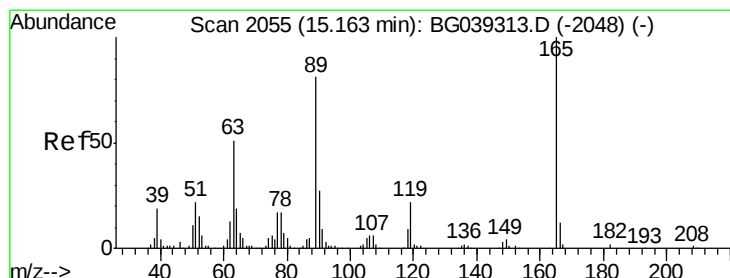
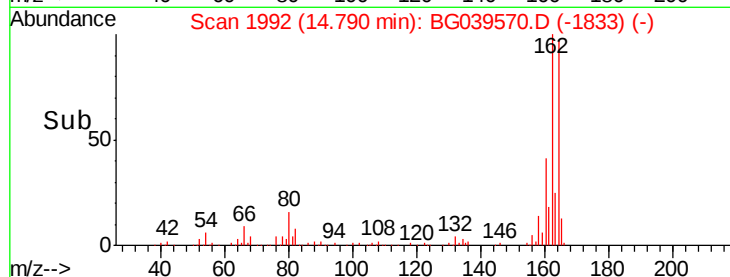
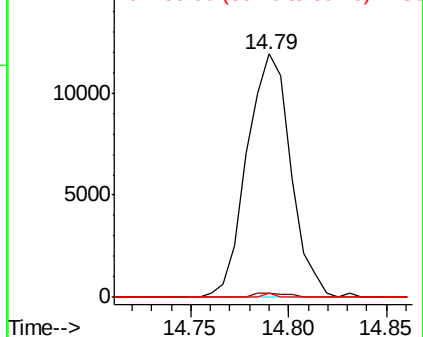
89 2.0 45.8 68.8#



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



#57

2,4-Dinitrotoluene

Concen: 13.461 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.37 min

Lab File: BG039570.D

Acq: 20 Feb 2019 1:00

Tgt Ion:165 Resp: 18500

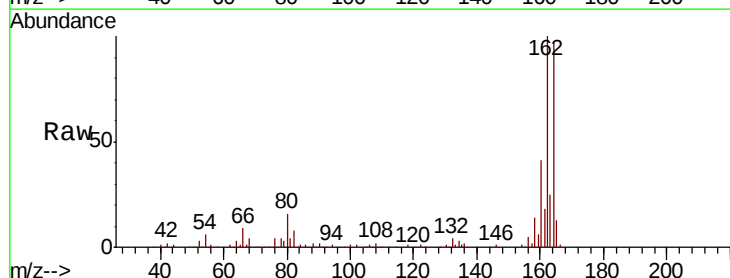
Ion Ratio Lower Upper

165 100

63 1.8 41.0 61.6#

89 2.0 64.6 96.8#

182 0.0 2.0 3.0#

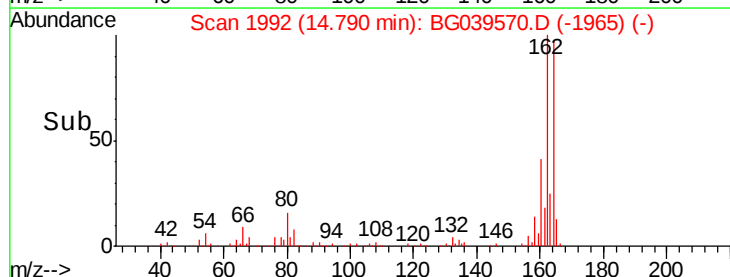
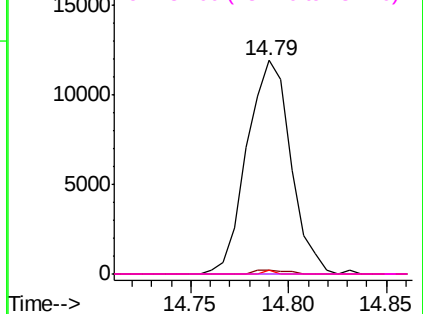


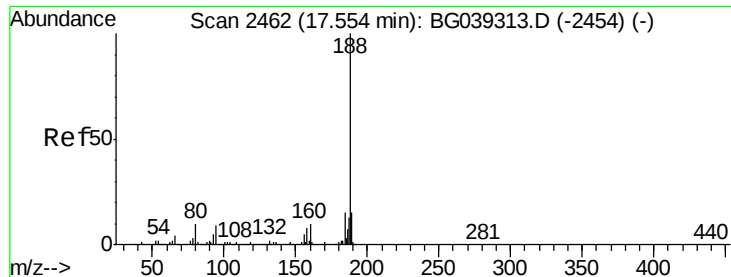
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.53 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039570.D

Acq: 20 Feb 2019 1:00

Instrument :

BNA_G

ClientSampleId :

PB117221BL

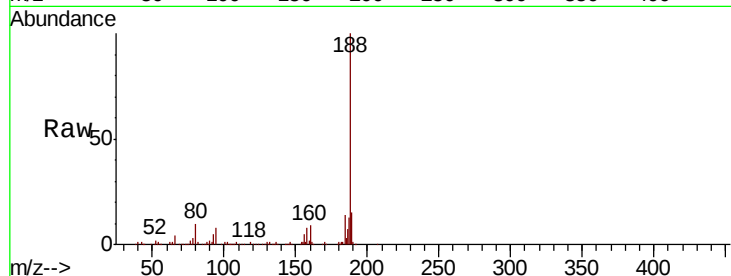
Tgt Ion:188 Resp: 358425

Ion Ratio Lower Upper

188 100

94 8.0 6.9 10.3

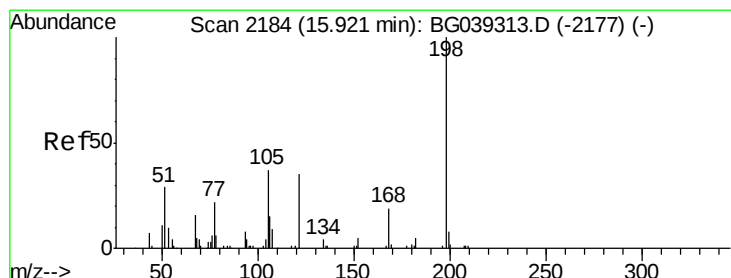
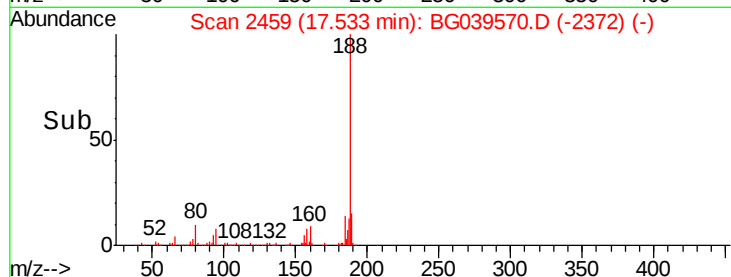
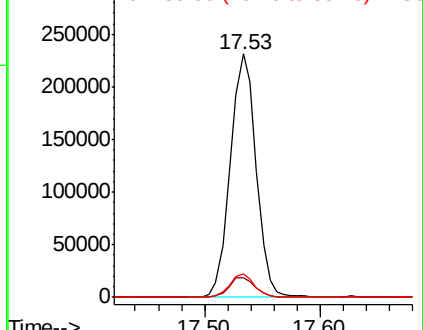
80 9.5 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 4.917 ng

RT: 16.28 min Scan# 2246

Delta R.T. 0.36 min

Lab File: BG039570.D

Acq: 20 Feb 2019 1:00

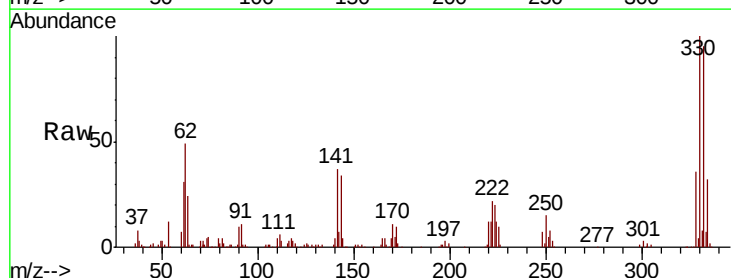
Tgt Ion:198 Resp: 830

Ion Ratio Lower Upper

198 100

51 112.3 27.4 67.4#

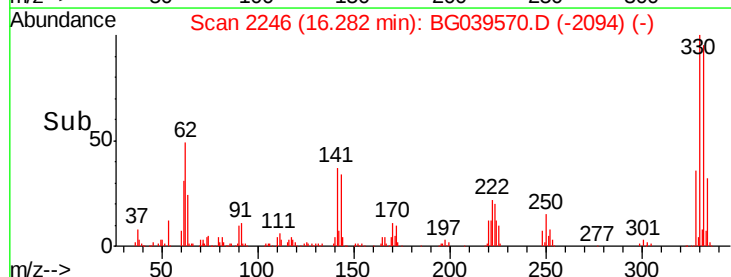
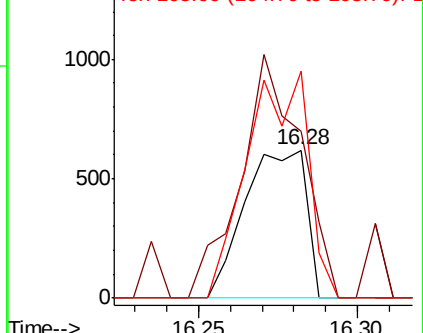
105 153.1 19.7 59.7#

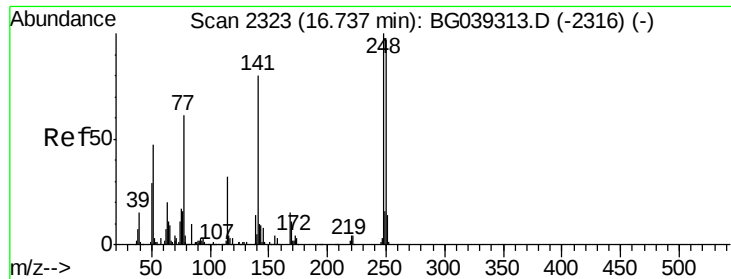


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 4.495 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.46 min

Lab File: BG039570.D

Acq: 20 Feb 2019 1:00

Instrument :

BNA_G

ClientSampleId :

PB117221BL

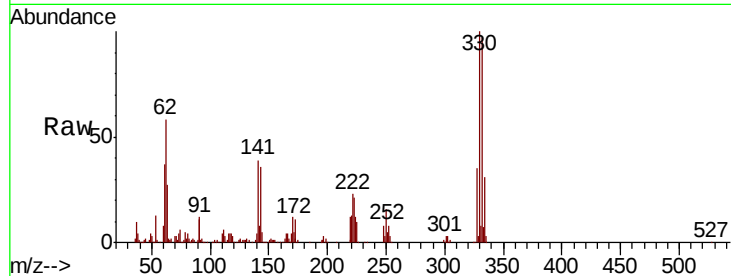
Tgt Ion:248 Resp: 17874

Ion Ratio Lower Upper

248 100

250 210.1 77.6 116.4#

141 516.7 63.9 95.9#

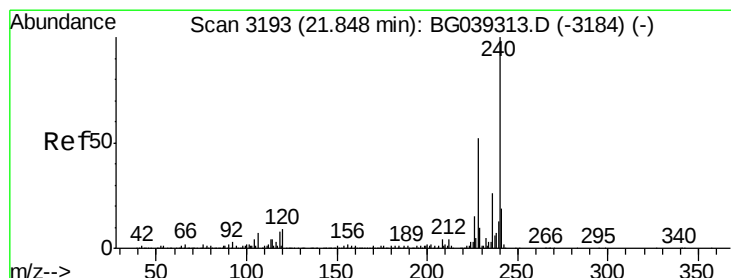
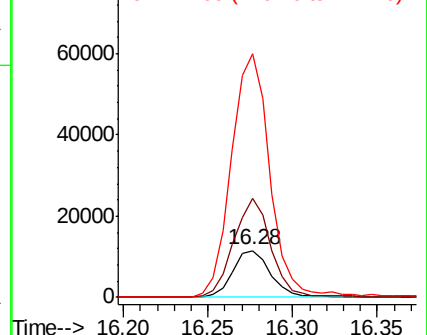
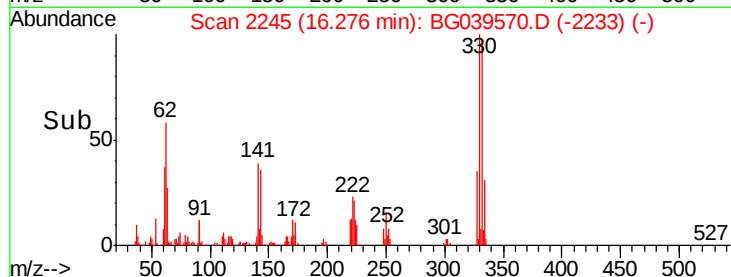


Abundance

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: 21.82 min Scan# 3189

Delta R.T. -0.03 min

Lab File: BG039570.D

Acq: 20 Feb 2019 1:00

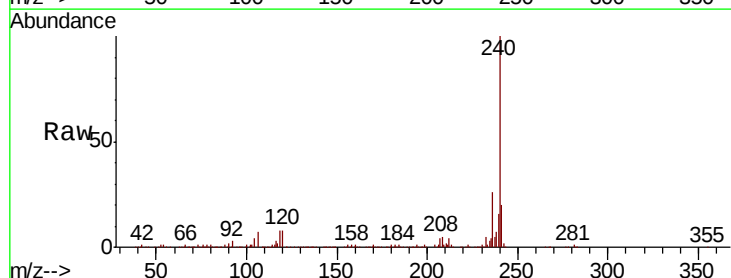
Tgt Ion:240 Resp: 369587

Ion Ratio Lower Upper

240 100

120 8.4 7.0 10.6

236 25.6 21.0 31.4

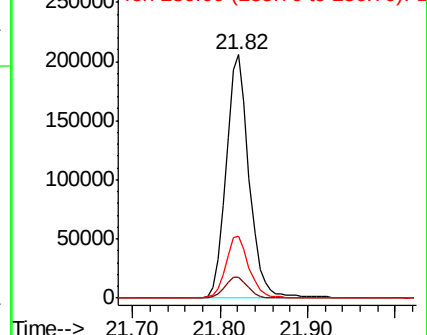
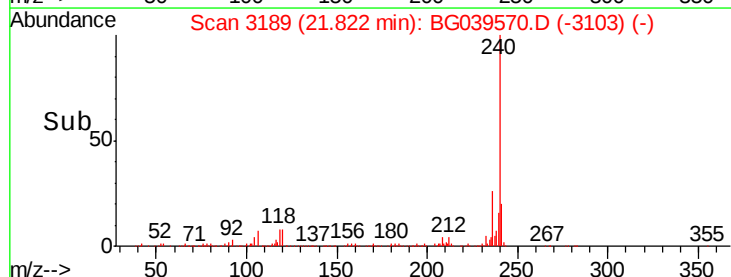


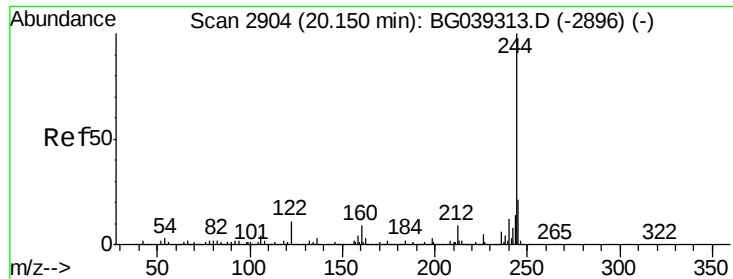
Abundance

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

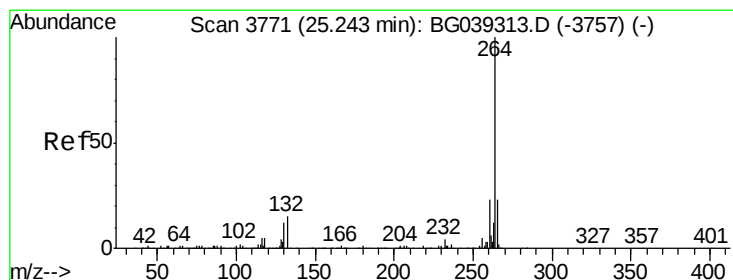
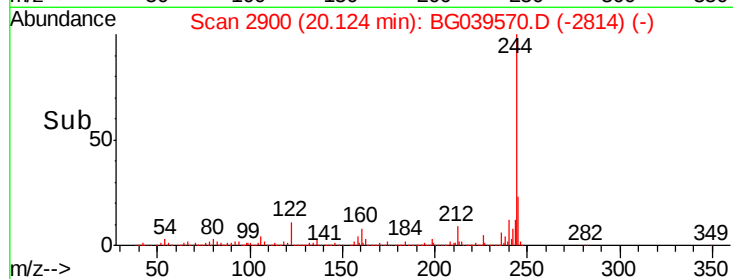
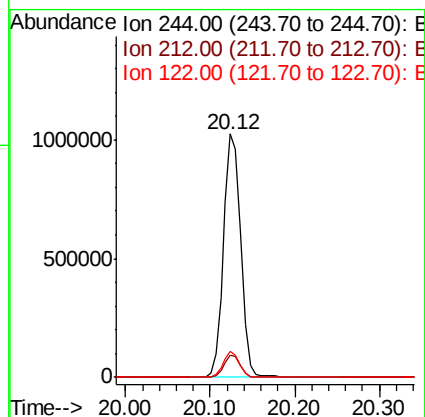
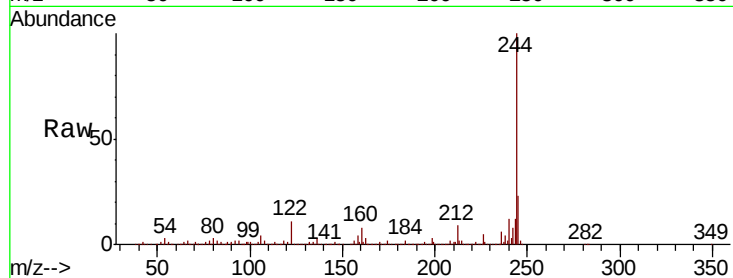




#79
 Terphenyl-d14
 Concen: 83.358 ng
 RT: 20.12 min Scan# 2900
 Delta R.T. -0.03 min
 Lab File: BG039570.D
 Acq: 20 Feb 2019 1:00

Instrument :
 BNA_G
 ClientSampleId :
 PB117221BL

Tgt Ion:244 Resp: 1455478
 Ion Ratio Lower Upper
 244 100
 212 9.0 7.3 10.9
 122 10.6 8.4 12.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.19 min Scan# 3763
 Delta R.T. -0.05 min
 Lab File: BG039570.D
 Acq: 20 Feb 2019 1:00

Tgt Ion:264 Resp: 339164
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.2 27.4
 265 20.5 18.5 27.7

