

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022719\
 Data File : BG039640.D
 Acq On : 27 Feb 2019 18:37
 Operator : JU/SJ
 Sample : PB117428BL
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB117428BL

Quant Time: Feb 27 23:58:32 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

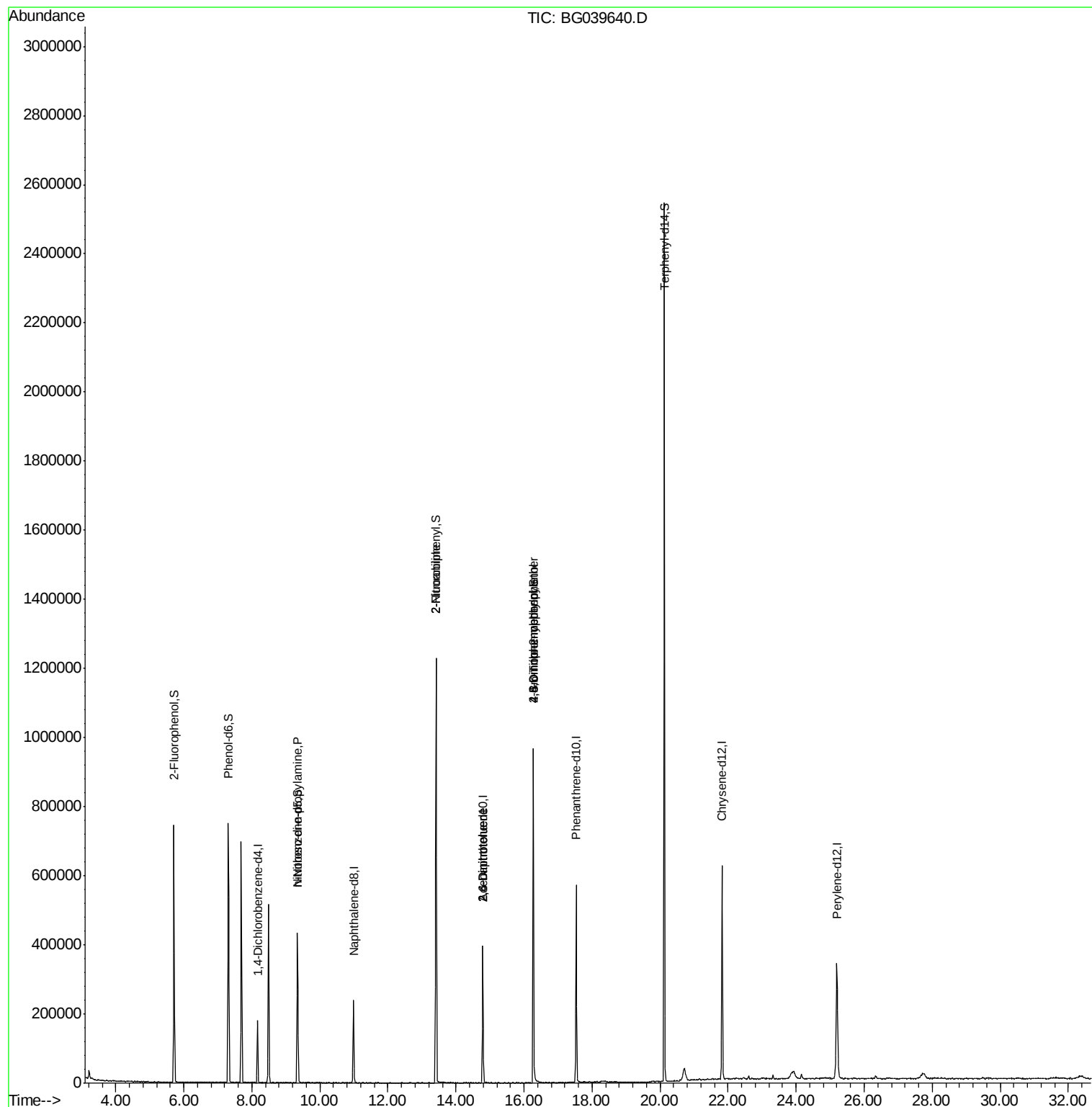
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	48713	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	208894	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	141102	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	375116	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	393635	20.00	ng	-0.02
87) Perylene-d12	25.20	264	393834	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	307607	108.08	ng	0.00
7) Phenol-d6	7.31	99	441115	105.29	ng	-0.01
23) Nitrobenzene-d5	9.34	82	255687	76.47	ng	-0.02
42) 2,4,6-Tribromophenol	16.27	330	177625	116.90	ng	-0.02
45) 2-Fluorobiphenyl	13.41	172	663451	67.45	ng	-0.02
79) Terphenyl-d14	20.13	244	1152991	62.00	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.31	77	752	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	9.34	70	33016	11.103 ng	#	4
48) 2-Nitroaniline	13.41	65	1117	8.660 ng	#	67
51) 2,6-Dinitrotoluene	14.79	165	18255	13.959 ng	#	11
57) 2,4-Dinitrotoluene	14.79	165	18255	13.426 ng	#	23
65) 4,6-Dinitro-2-methylphenol	16.28	198	495	4.597 ng	#	18
67) 4-Bromophenyl-phenylether	16.27	248	13442	3.230 ng	#	17
					#	1

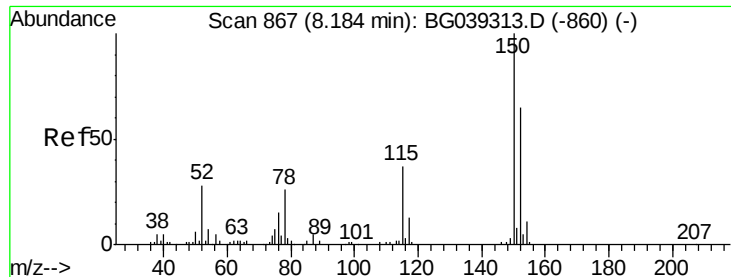
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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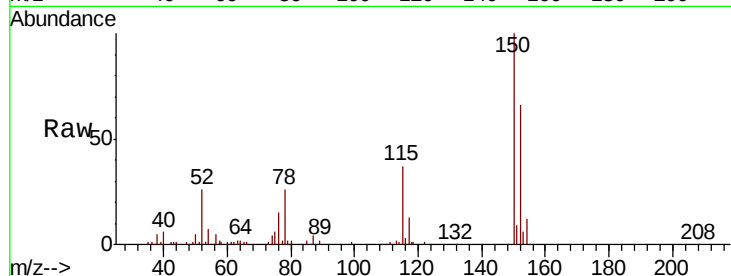


#1

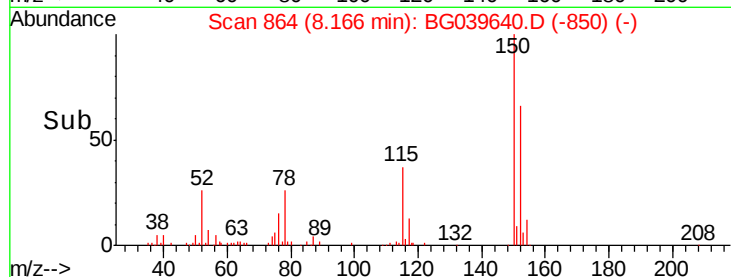
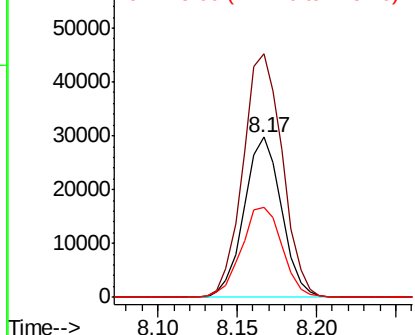
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.17 min Scan# 864
 Delta R.T. -0.02 min
 Lab File: BG039640.D
 Acq: 27 Feb 2019 18:37

Instrument :
 BNA_G
 ClientSampleId :
 PB117428BL

Tgt Ion:152 Resp: 48713
 Ion Ratio Lower Upper
 152 100
 150 152.2 123.7 185.5
 115 56.5 45.9 68.9



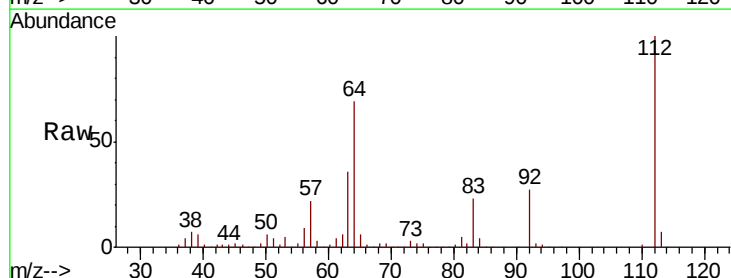
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



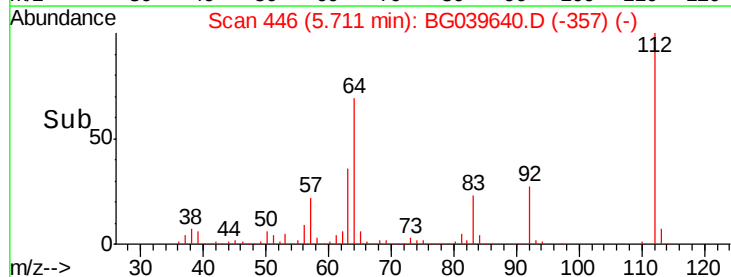
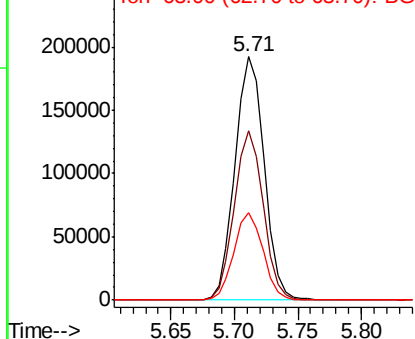
#5

2-Fluorophenol
 Concen: 108.076 ng
 RT: 5.71 min Scan# 446
 Delta R.T. -0.01 min
 Lab File: BG039640.D
 Acq: 27 Feb 2019 18:37

Tgt Ion:112 Resp: 307607
 Ion Ratio Lower Upper
 112 100
 64 69.4 57.8 86.8
 63 36.0 29.8 44.6



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: 105.290 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BG039640.D

Acq: 27 Feb 2019 18:37

Instrument :

BNA_G

ClientSampleId :

PB117428BL

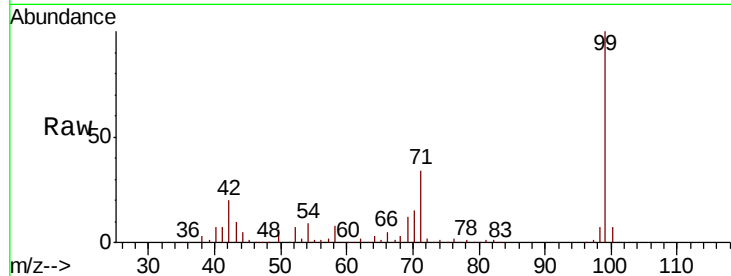
Tgt Ion: 99 Resp: 441115

Ion Ratio Lower Upper

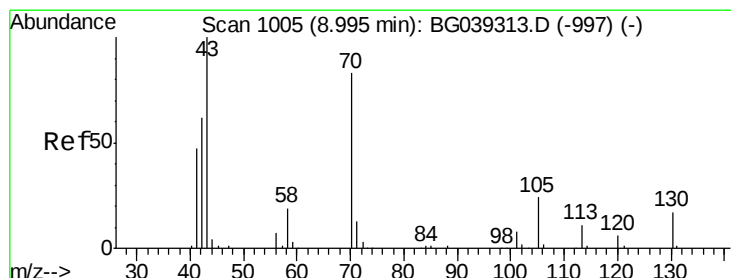
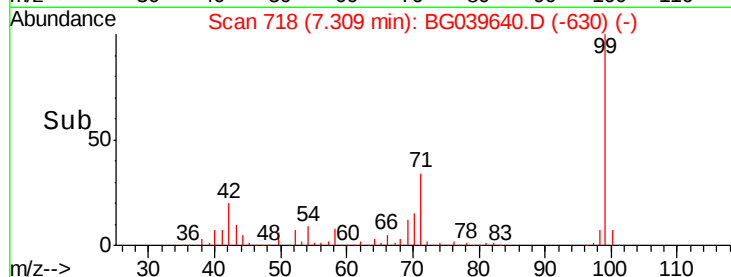
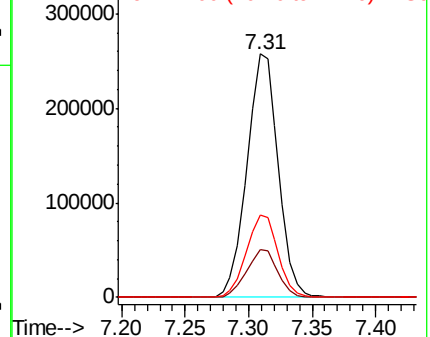
99 100

42 19.6 18.2 27.2

71 33.9 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: 11.103 ng

RT: 9.34 min Scan# 1064

Delta R.T. 0.35 min

Lab File: BG039640.D

Acq: 27 Feb 2019 18:37

Tgt Ion: 70 Resp: 33016

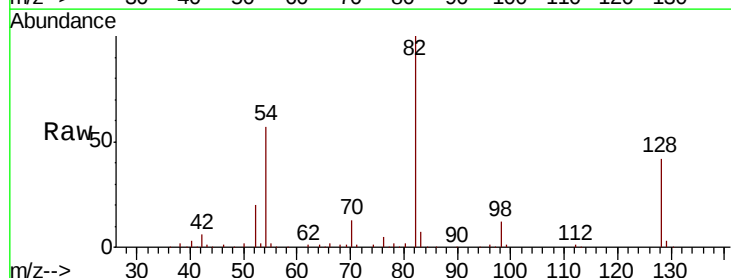
Ion Ratio Lower Upper

70 100

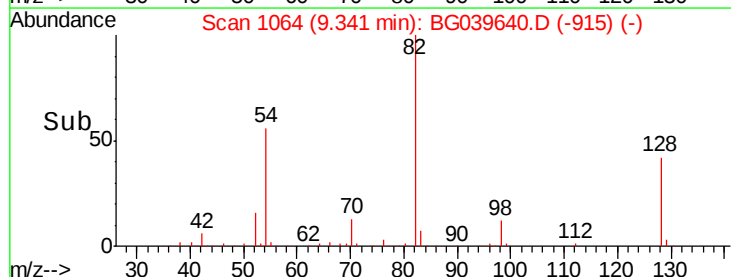
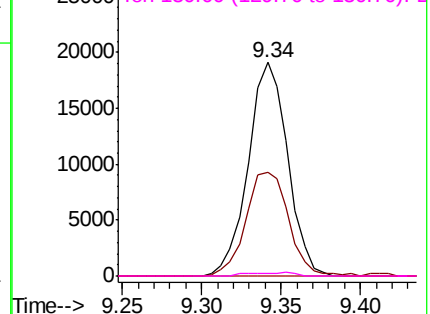
42 48.6 60.4 90.6#

101 0.0 7.5 11.3#

130 1.4 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

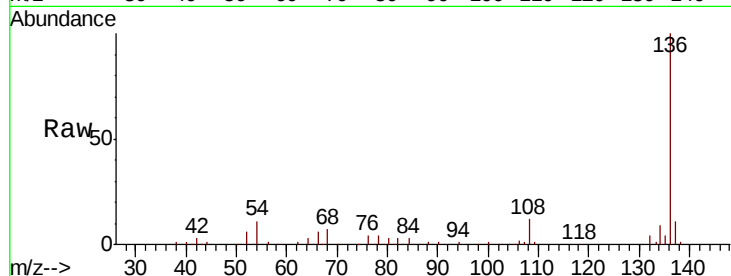




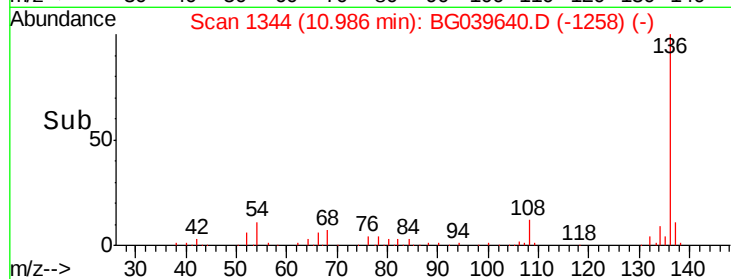
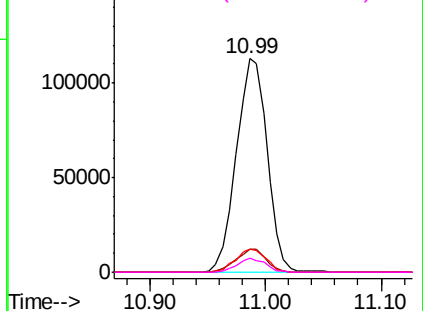
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1344
Delta R.T. -0.02 min
Lab File: BG039640.D
Acq: 27 Feb 2019 18:37

Instrument :
BNA_G
ClientSampleId :
PB117428BL

Tgt Ion:	136	Resp:	208894
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	10.9	9.4	14.2
68	6.6	4.2	6.4#

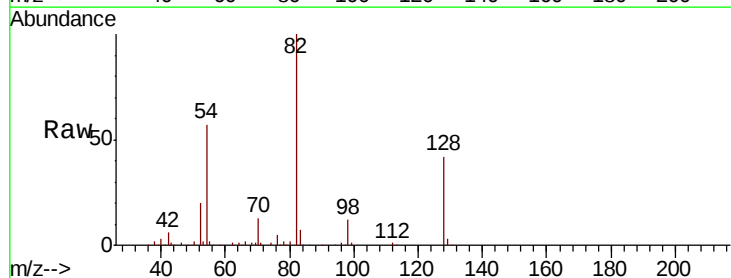


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

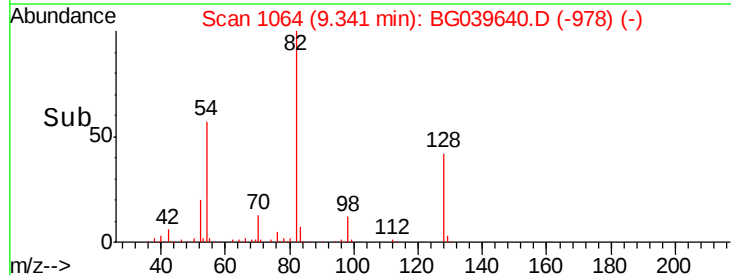
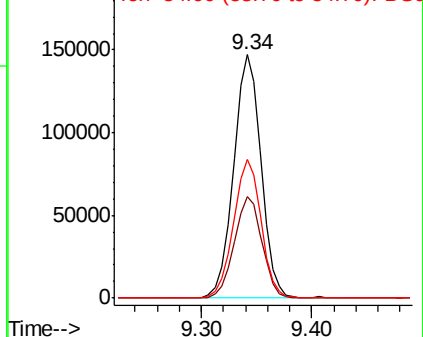


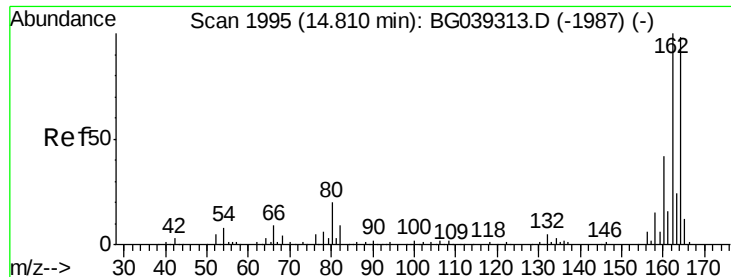
#23
Nitrobenzene-d5
Concen: 76.465 ng
RT: 9.34 min Scan# 1064
Delta R.T. -0.02 min
Lab File: BG039640.D
Acq: 27 Feb 2019 18:37

Tgt Ion:	82	Resp:	255687
Ion	Ratio	Lower	Upper
82	100		
128	41.8	31.3	46.9
54	57.0	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# 1991

Delta R.T. -0.02 min

Lab File: BG039640.D

Acq: 27 Feb 2019 18:37

Instrument :

BNA_G

ClientSampleId :

PB117428BL

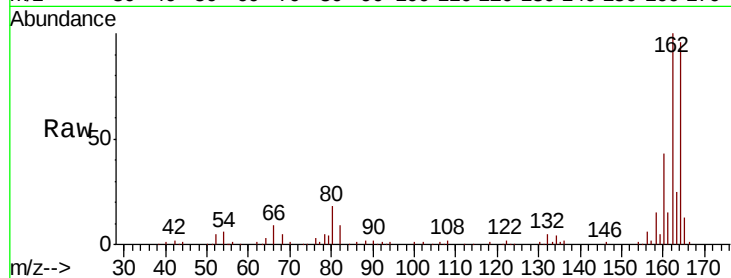
Tgt Ion:164 Resp: 141102

Ion Ratio Lower Upper

164 100

162 104.0 81.6 122.4

160 44.5 34.2 51.2

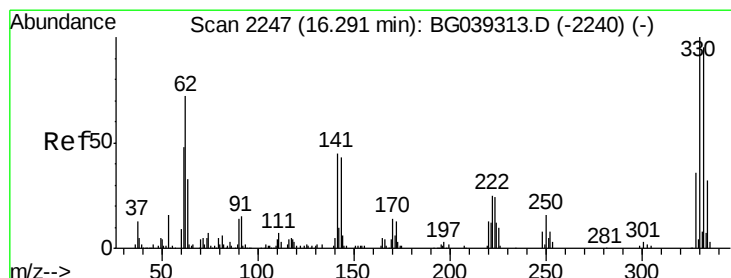
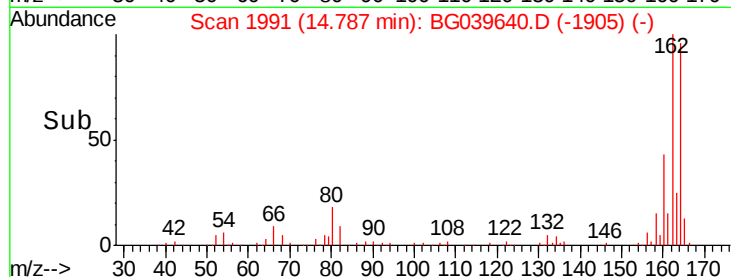
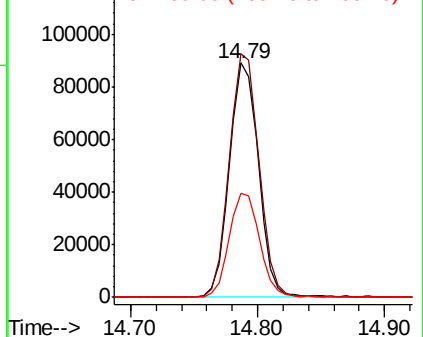


Abundance

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: 116.903 ng

RT: 16.27 min Scan# 2244

Delta R.T. -0.02 min

Lab File: BG039640.D

Acq: 27 Feb 2019 18:37

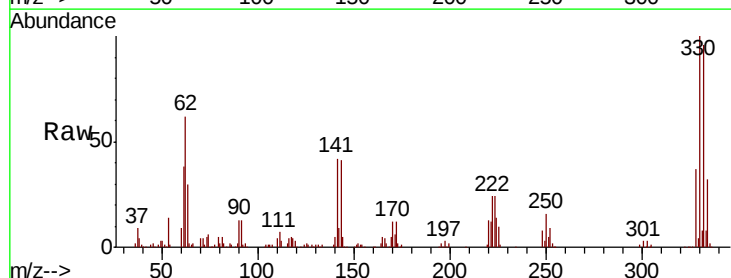
Tgt Ion:330 Resp: 177625

Ion Ratio Lower Upper

330 100

332 95.0 75.7 113.5

141 39.3 35.6 53.4

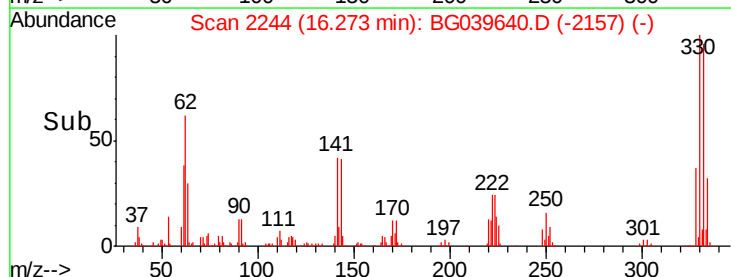
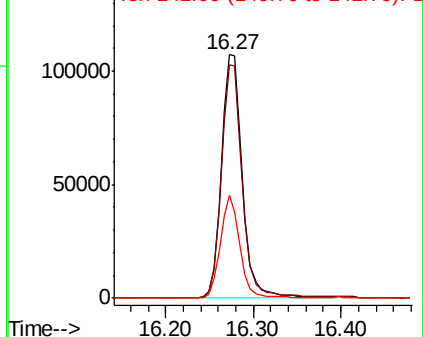


Abundance

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

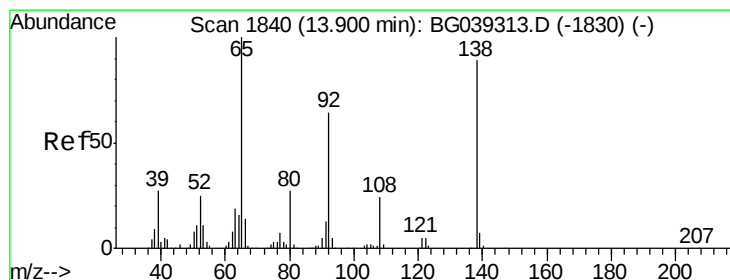
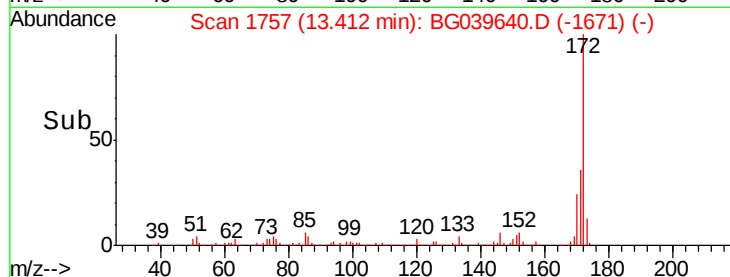
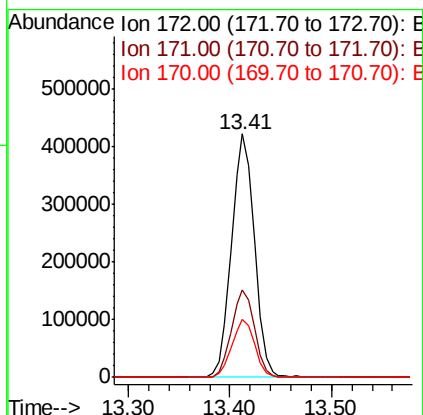
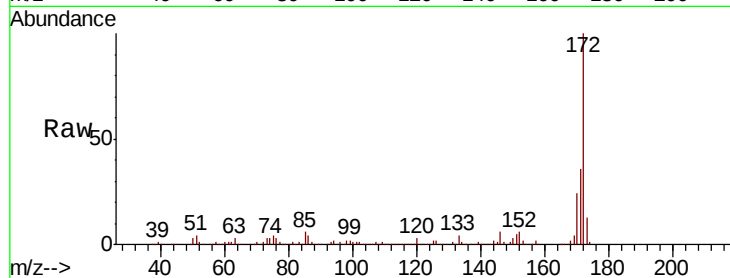




#45
 2-Fluorobiphenyl
 Concen: 67.451 ng
 RT: 13.41 min Scan# 1757
 Delta R.T. -0.02 min
 Lab File: BG039640.D
 Acq: 27 Feb 2019 18:37

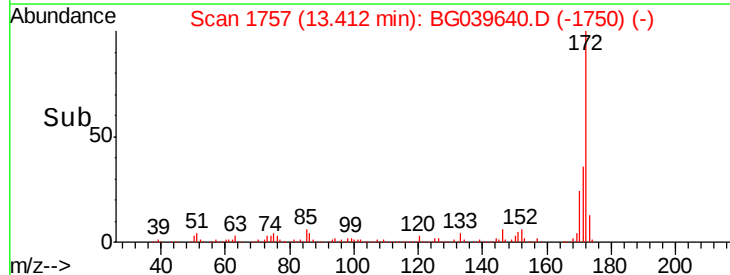
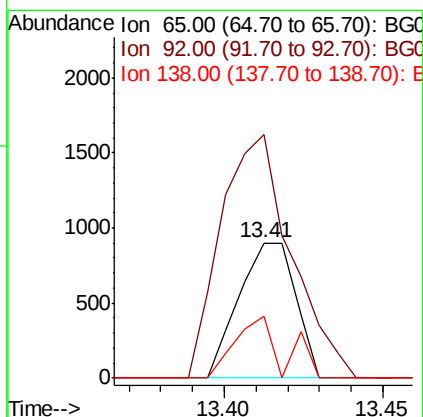
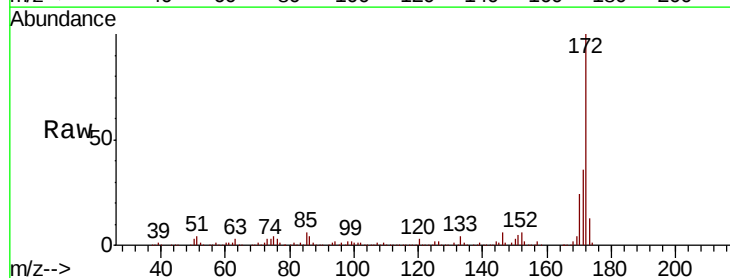
Instrument :
 BNA_G
 ClientSampleId :
 PB117428BL

Tgt Ion: 172 Resp: 663451
 Ion Ratio Lower Upper
 172 100
 171 35.9 30.8 46.2
 170 24.0 20.2 30.4



#48
 2-Nitroaniline
 Concen: 8.660 ng
 RT: 13.41 min Scan# 1757
 Delta R.T. -0.49 min
 Lab File: BG039640.D
 Acq: 27 Feb 2019 18:37

Tgt Ion: 65 Resp: 1117
 Ion Ratio Lower Upper
 65 100
 92 180.6 51.4 77.2#
 138 45.5 71.4 107.2#

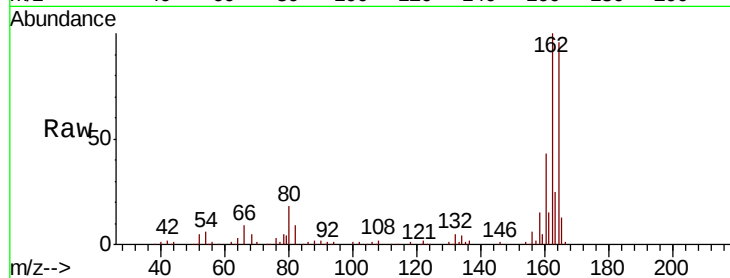




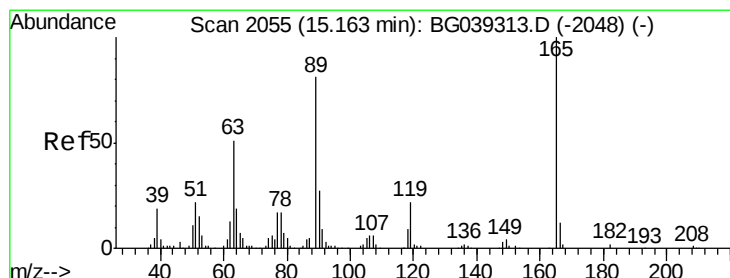
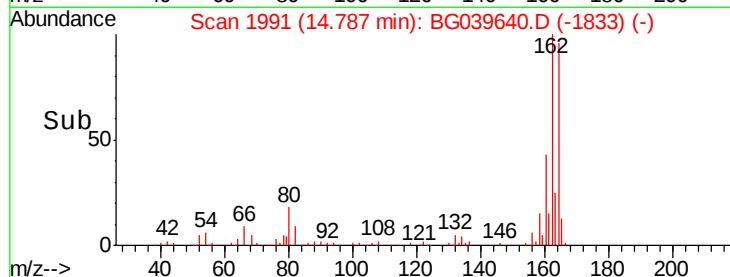
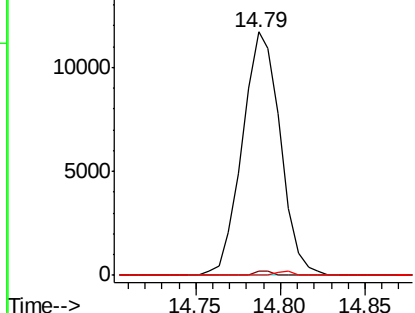
#51
 2,6-Dinitrotoluene
 Concen: 13.959 ng
 RT: 14.79 min Scan# 1991
 Delta R.T. 0.40 min
 Lab File: BG039640.D
 Acq: 27 Feb 2019 18:37

Instrument :
 BNA_G
 ClientSampleId :
 PB117428BL

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	47.0	70.6#
89	0.0	45.8	68.8#



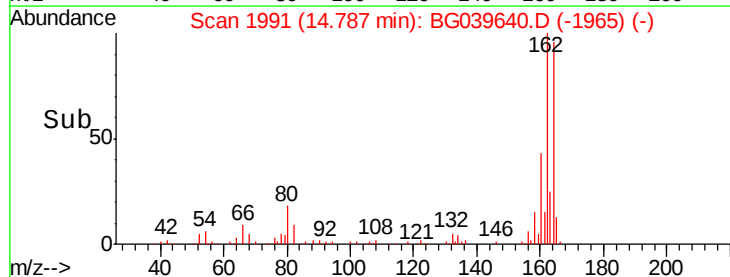
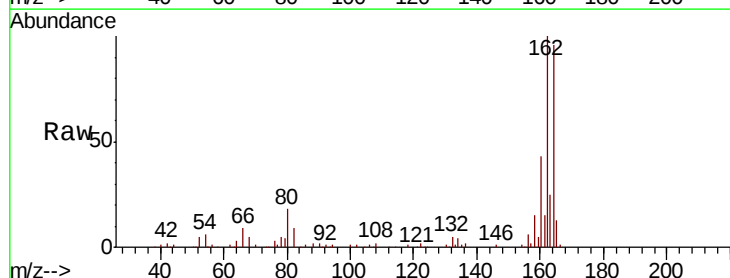
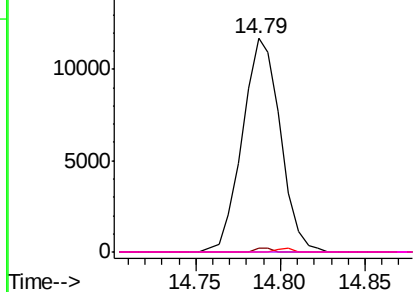
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

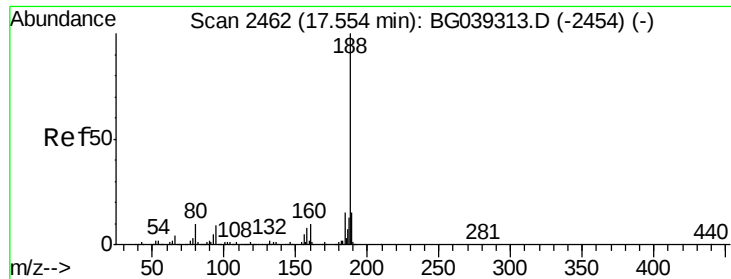


#57
 2,4-Dinitrotoluene
 Concen: 13.426 ng
 RT: 14.79 min Scan# 1991
 Delta R.T. -0.38 min
 Lab File: BG039640.D
 Acq: 27 Feb 2019 18:37

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	41.0	61.6#
89	0.0	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: 17.54 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039640.D

Acq: 27 Feb 2019 18:37

Instrument :

BNA_G

ClientSampleId :

PB117428BL

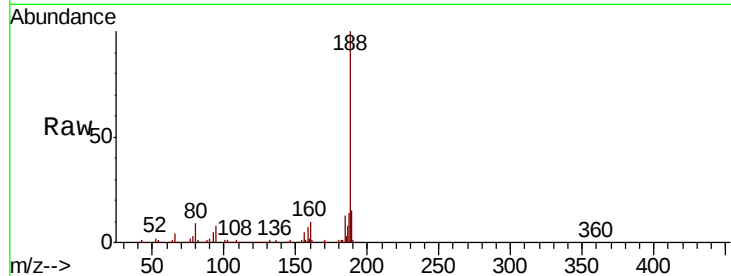
Tgt Ion:188 Resp: 375116

Ion Ratio Lower Upper

188 100

94 7.9 6.9 10.3

80 8.5 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

300000

250000

200000

150000

100000

50000

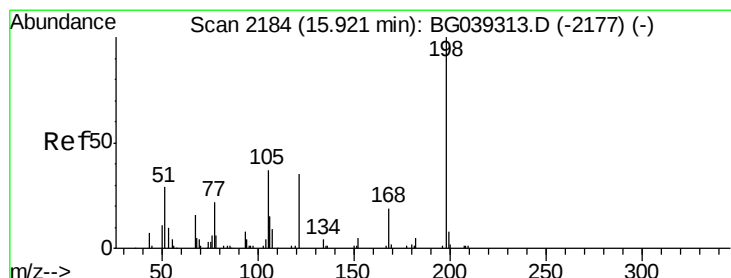
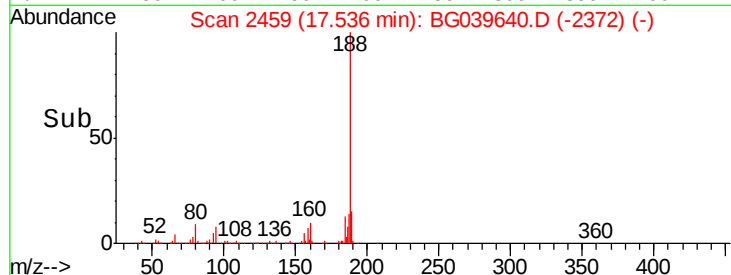
0

17.54

17.50

17.60

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 4.597 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.36 min

Lab File: BG039640.D

Acq: 27 Feb 2019 18:37

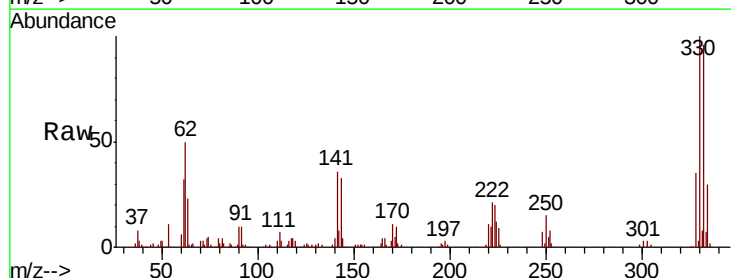
Tgt Ion:198 Resp: 495

Ion Ratio Lower Upper

198 100

51 104.6 27.4 67.4#

105 89.2 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

1200

1000

800

600

400

200

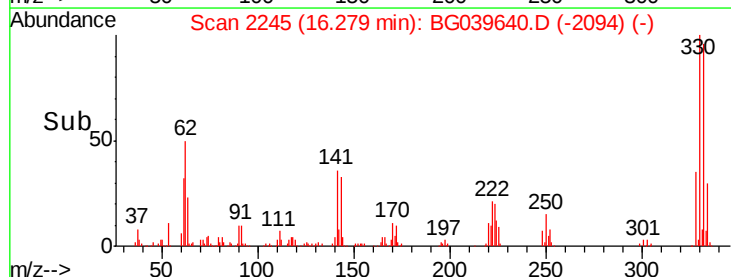
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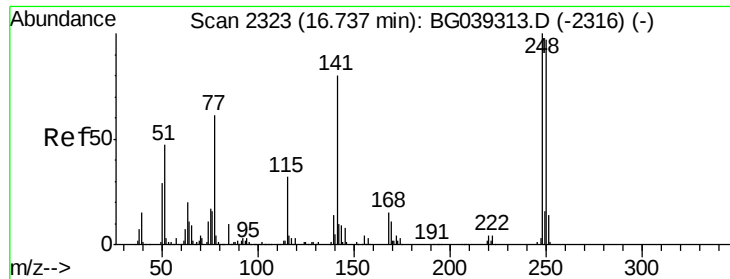
16.28

16.25

16.30

Time-->

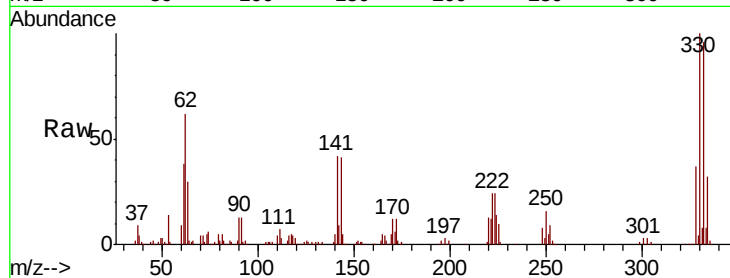




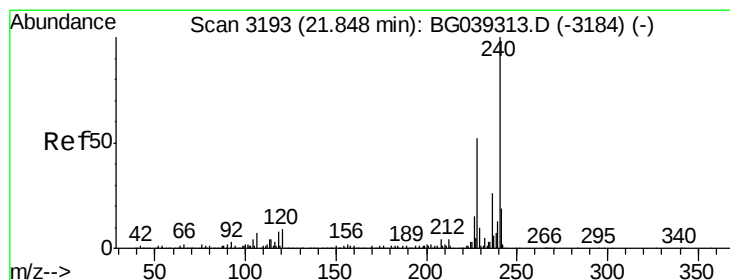
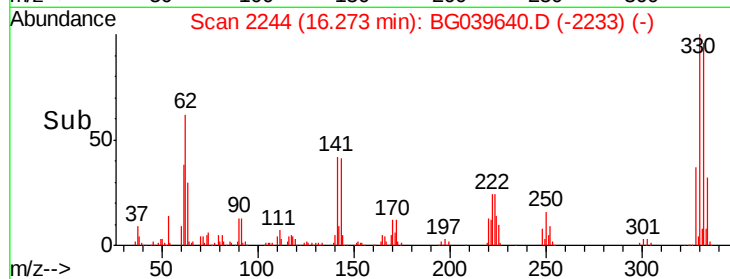
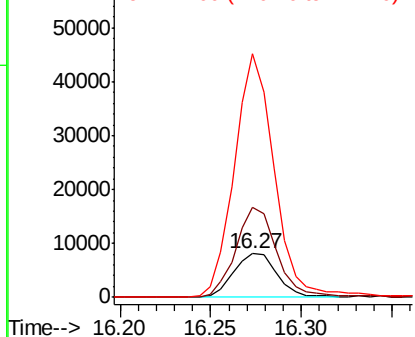
#67
 4-Bromophenyl-phenylether
 Concen: 3.230 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. -0.46 min
 Lab File: BG039640.D
 Acq: 27 Feb 2019 18:37

Instrument :
 BNA_G
 ClientSampleId :
 PB117428BL

Tgt Ion:248 Resp: 13442
 Ion Ratio Lower Upper
 248 100
 250 206.0 77.6 116.4#
 141 554.8 63.9 95.9#

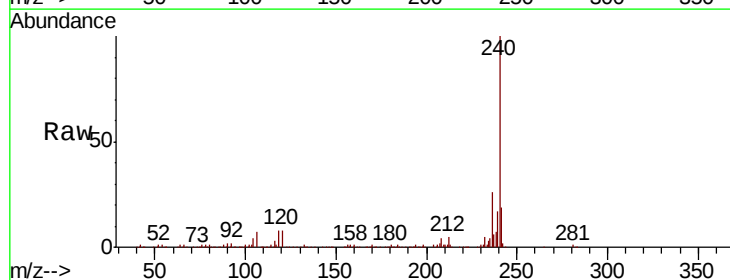


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

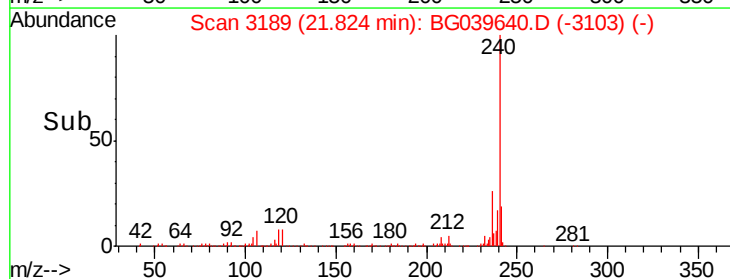
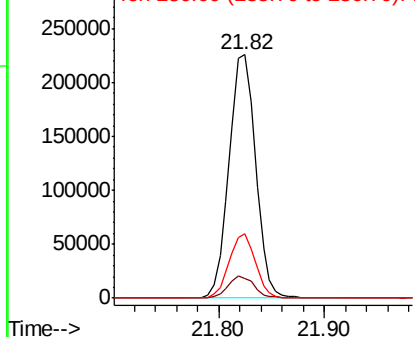


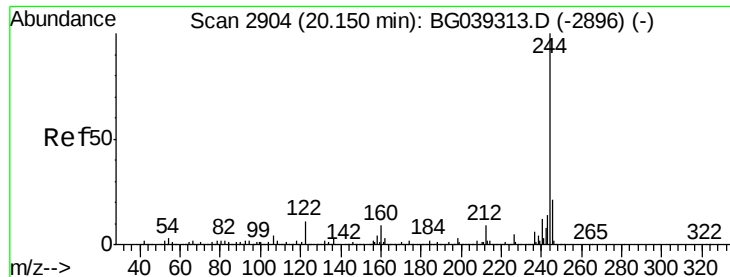
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3189
 Delta R.T. -0.02 min
 Lab File: BG039640.D
 Acq: 27 Feb 2019 18:37

Tgt Ion:240 Resp: 393635
 Ion Ratio Lower Upper
 240 100
 120 8.0 7.0 10.6
 236 26.5 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: 62.000 ng

RT: 20.13 min Scan# 2900

Delta R.T. -0.02 min

Lab File: BG039640.D

Acq: 27 Feb 2019 18:37

Instrument :

BNA_G

ClientSampleId :

PB117428BL

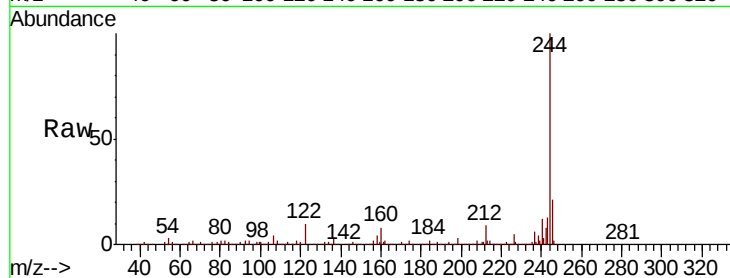
Tgt Ion:244 Resp: 1152991

Ion Ratio Lower Upper

244 100

212 8.7 7.3 10.9

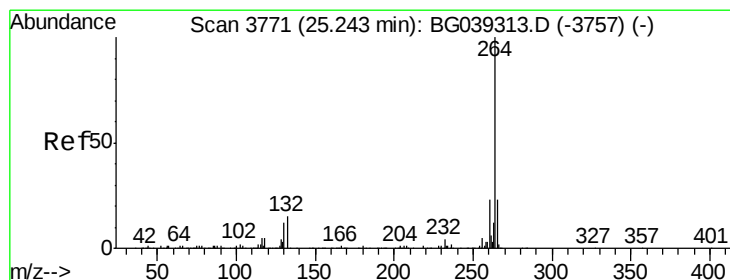
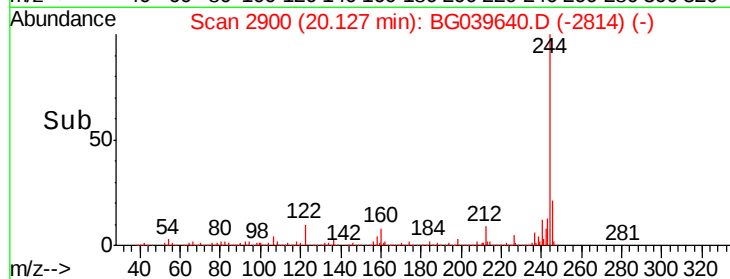
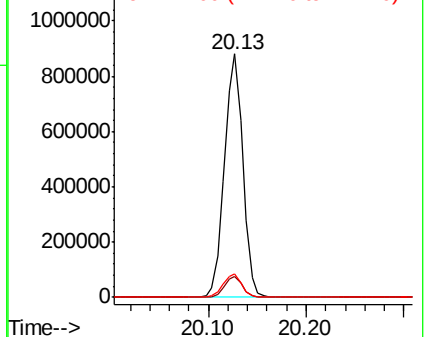
122 9.5 8.4 12.6



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: 25.20 min Scan# 3764

Delta R.T. -0.04 min

Lab File: BG039640.D

Acq: 27 Feb 2019 18:37

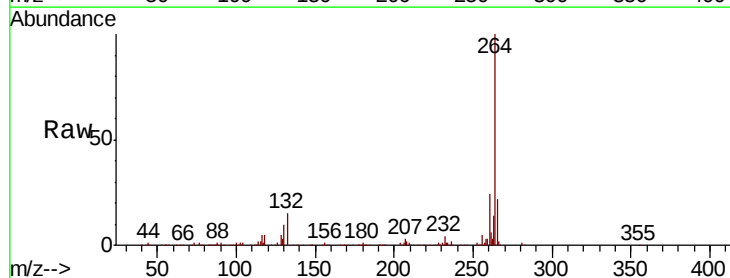
Tgt Ion:264 Resp: 393834

Ion Ratio Lower Upper

264 100

260 23.9 18.2 27.4

265 22.4 18.5 27.7



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

