

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022619\
 Data File : BG039623.D
 Acq On : 27 Feb 2019 6:37
 Operator : JU/SJ
 Sample : PB117340BL
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB117340BL

Quant Time: Feb 27 07:55:14 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	55923	20.00	ng	-0.02
21) Naphthalene-d8	10.98	136	238329	20.00	ng	-0.03
39) Acenaphthene-d10	14.79	164	160036	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	396551	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	434587	20.00	ng	-0.03
87) Perylene-d12	25.19	264	427771	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	429570	131.47	ng	0.00
7) Phenol-d6	7.31	99	614222	127.71	ng	0.00
23) Nitrobenzene-d5	9.34	82	345436	90.55	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	164495	95.45	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	874013	78.35	ng	-0.02
79) Terphenyl-d14	20.12	244	1436789	69.98	ng	-0.03

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	775	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.34	70	43159	12.643	ng	# 71
26) 2-Nitrophenol	9.69	139	57	4.047	ng	# 31
48) 2-Nitroaniline	13.41	65	1471	8.719	ng	# 1
51) 2,6-Dinitrotoluene	14.79	165	20308	13.817	ng	# 25
56) 4-Nitrophenol	14.71	139	55	5.816	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	20308	13.318	ng	# 20
65) 4,6-Dinitro-2-methylphenol	16.28	198	533	4.605	ng	# 1
67) 4-Bromophenyl-phenylether	16.27	248	12692	2.885	ng	# 1

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

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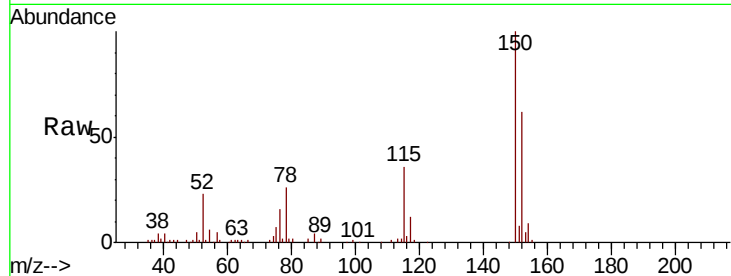


#1

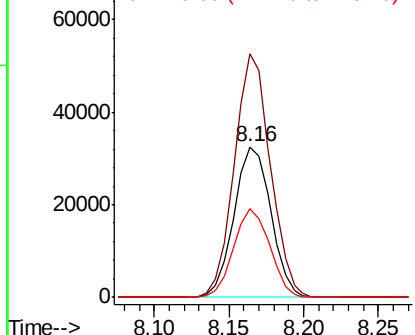
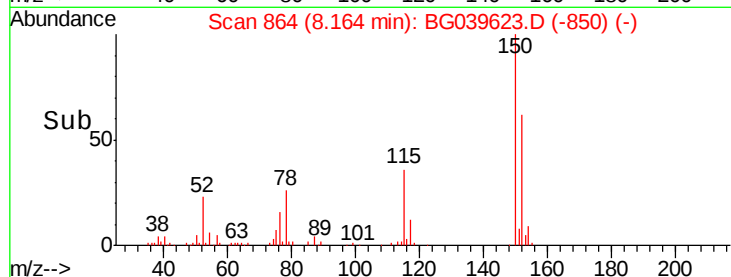
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 864
Delta R.T. -0.02 min
Lab File: BG039623.D
Acq: 27 Feb 2019 6:37

Instrument :
BNA_G
ClientSampleId :
PB117340BL

Tgt Ion:152 Resp: 55923
Ion Ratio Lower Upper
152 100
150 161.6 123.7 185.5
115 58.6 45.9 68.9



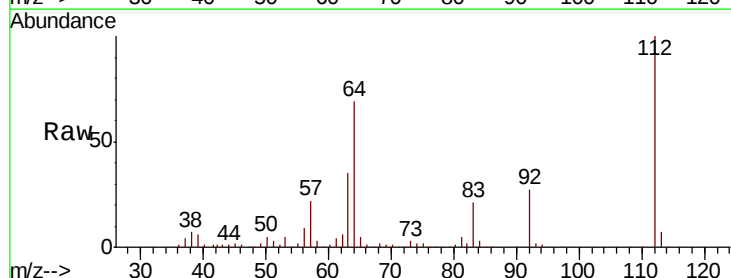
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



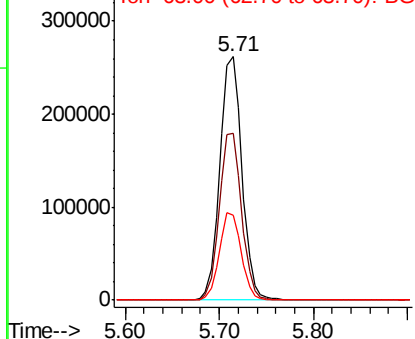
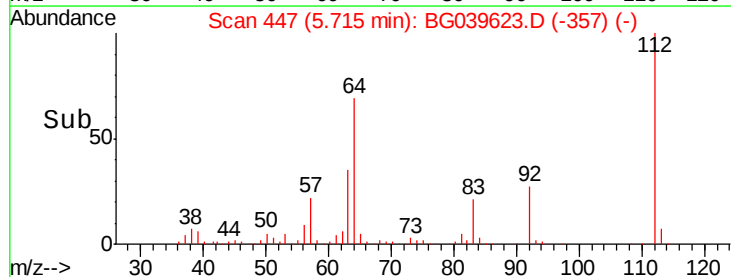
#5

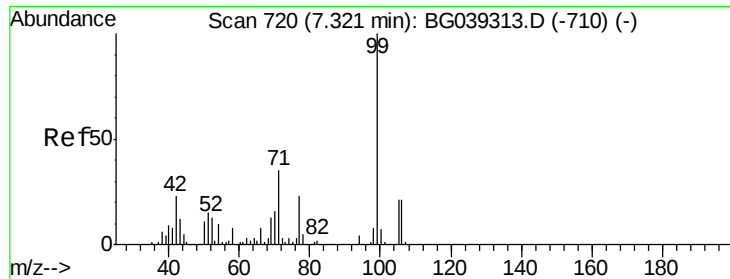
2-Fluorophenol
Concen: 131.469 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039623.D
Acq: 27 Feb 2019 6:37

Tgt Ion:112 Resp: 429570
Ion Ratio Lower Upper
112 100
64 68.7 57.8 86.8
63 34.9 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: 127.707 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039623.D

Acq: 27 Feb 2019 6:37

Instrument :

BNA_G

ClientSampleId :

PB117340BL

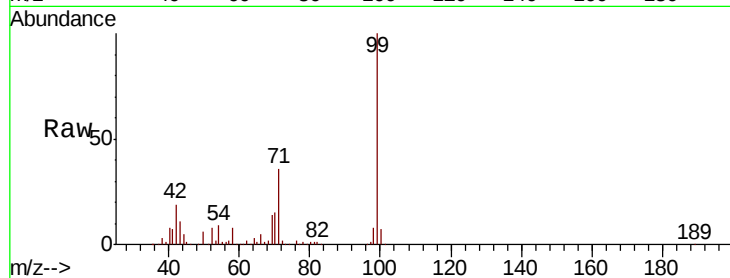
Tgt Ion: 99 Resp: 614222

Ion Ratio Lower Upper

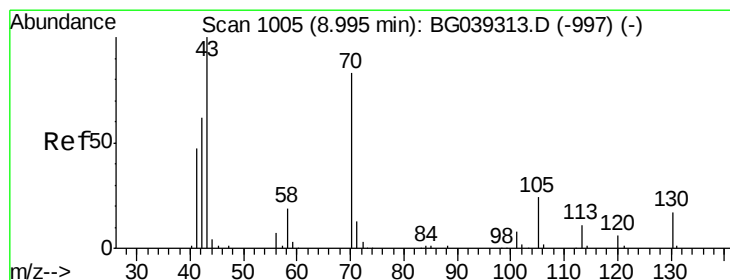
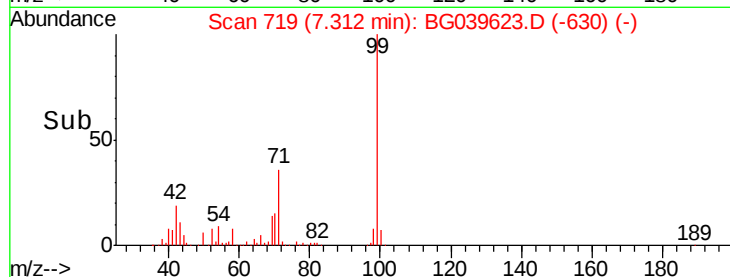
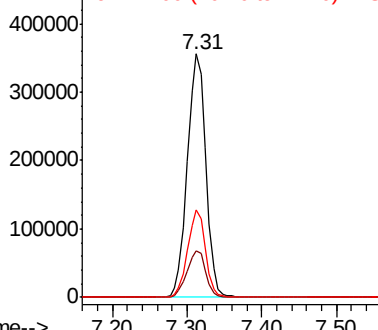
99 100

42 19.2 18.2 27.2

71 36.2 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: 12.643 ng

RT: 9.34 min Scan# 1064

Delta R.T. 0.34 min

Lab File: BG039623.D

Acq: 27 Feb 2019 6:37

Tgt Ion: 70 Resp: 43159

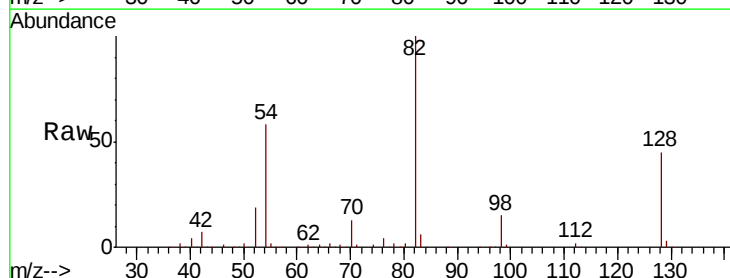
Ion Ratio Lower Upper

70 100

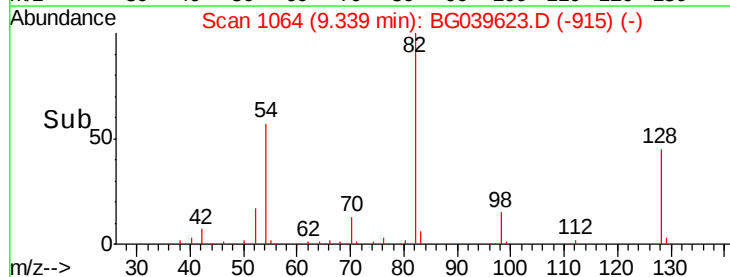
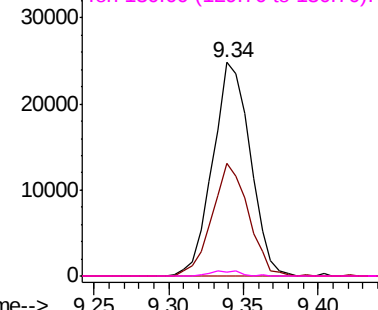
42 53.0 60.4 90.6#

101 0.0 7.5 11.3#

130 1.7 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

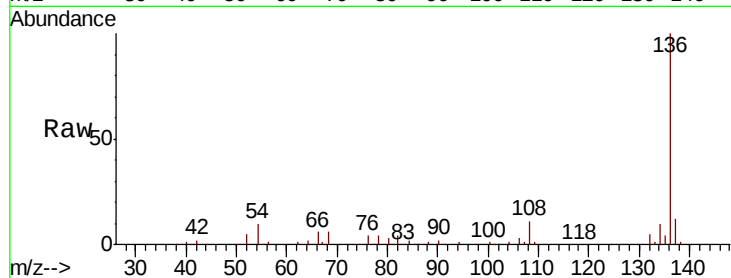




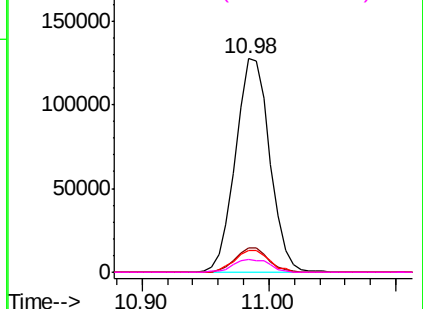
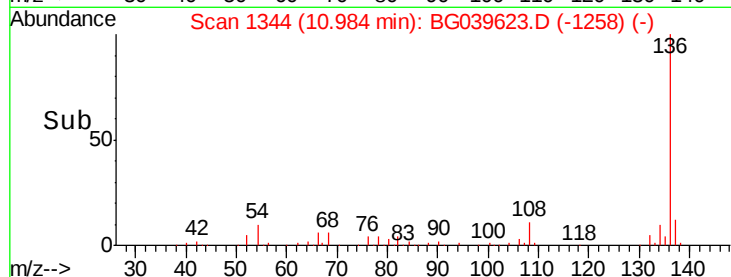
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1344
Delta R.T. -0.03 min
Lab File: BG039623.D
Acq: 27 Feb 2019 6:37

Instrument :
BNA_G
ClientSampleId :
PB117340BL

Tgt Ion:	136	Resp:	238329
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.1	13.7
54	10.2	9.4	14.2
68	6.3	4.2	6.4

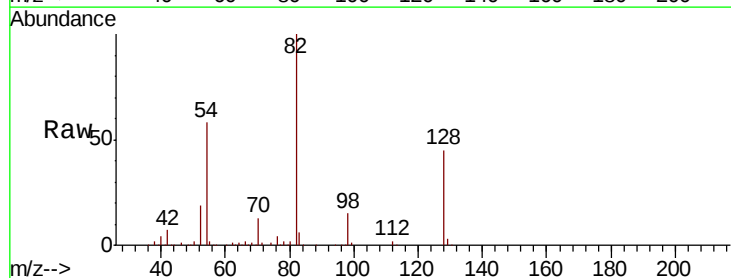


Abundance Ion 136.00 (135.70 to 136.70): E
200000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

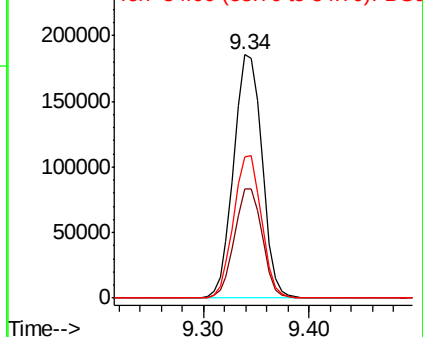
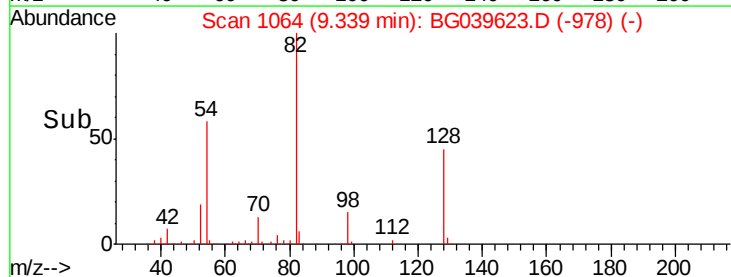


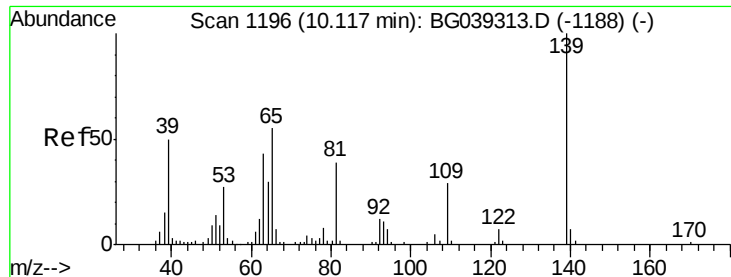
#23
Nitrobenzene-d5
Concen: 90.547 ng
RT: 9.34 min Scan# 1064
Delta R.T. -0.02 min
Lab File: BG039623.D
Acq: 27 Feb 2019 6:37

Tgt Ion:	82	Resp:	345436
Ion	Ratio	Lower	Upper
82	100		
128	44.9	31.3	46.9
54	57.9	50.9	76.3



Abundance Ion 82.00 (81.70 to 82.70): BGC
250000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC

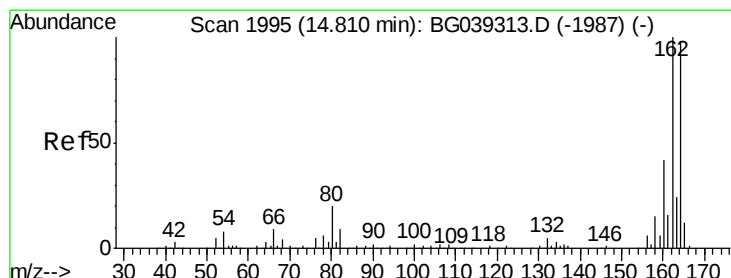
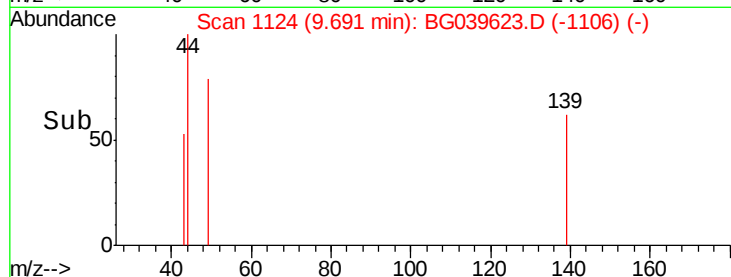
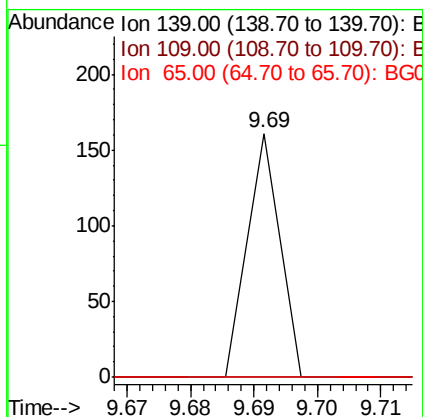
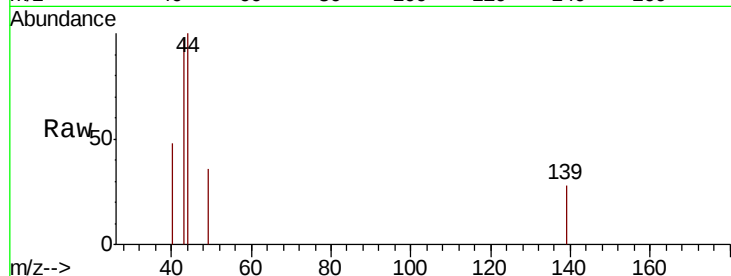




#26
2-Nitrophenol
Concen: 4.047 ng
RT: 9.69 min Scan# 1124
Delta R.T. -0.42 min
Lab File: BG039623.D
Acq: 27 Feb 2019 6:37

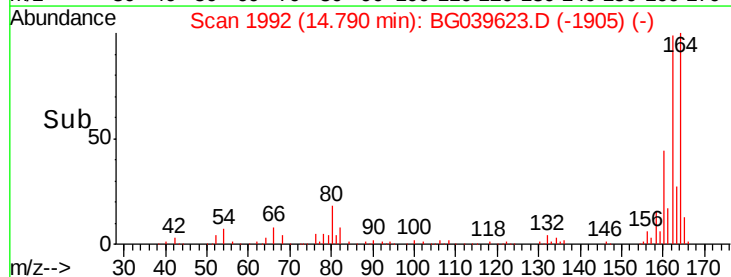
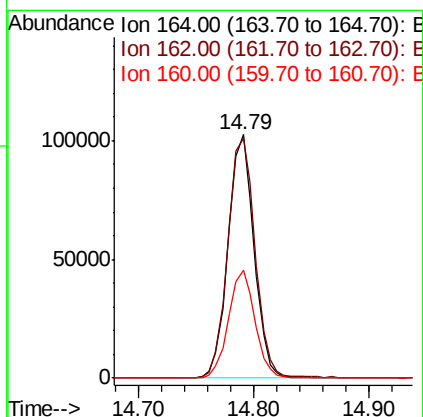
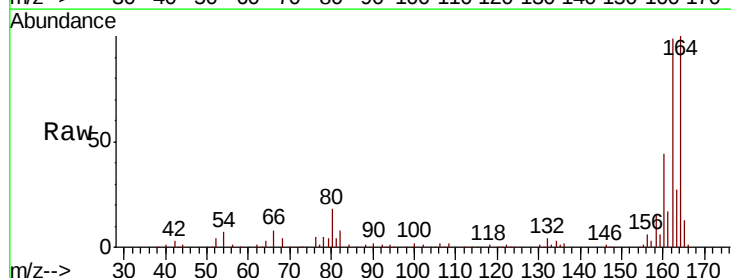
Instrument :
BNA_G
ClientSampleId :
PB117340BL

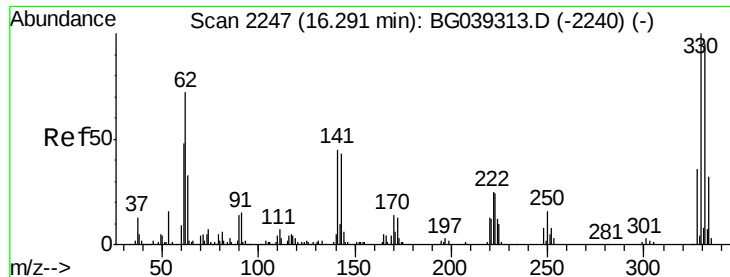
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	23.4	35.0#
65	0.0	44.3	66.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.02 min
Lab File: BG039623.D
Acq: 27 Feb 2019 6:37

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.6	81.6	122.4
160	44.4	34.2	51.2





#42

2,4,6-Tribromophenol

Concen: 95.453 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039623.D

Acq: 27 Feb 2019 6:37

Instrument :

BNA_G

ClientSampleId :

PB117340BL

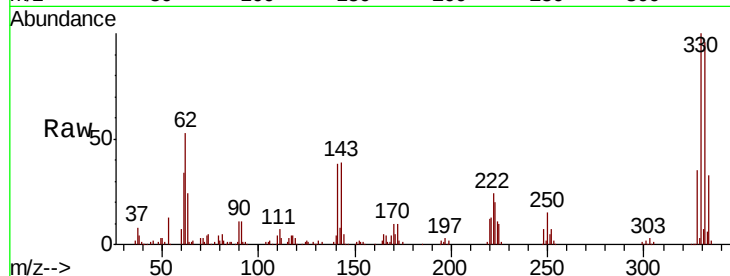
Tgt Ion:330 Resp: 164495

Ion Ratio Lower Upper

330 100

332 94.9 75.7 113.5

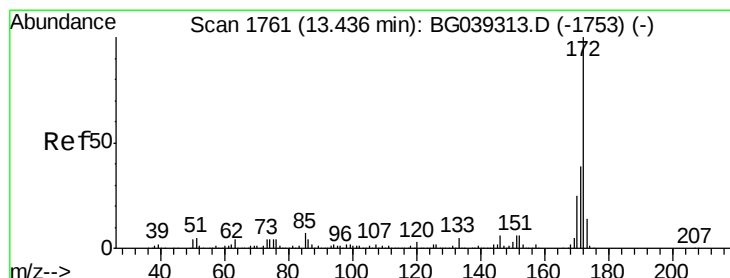
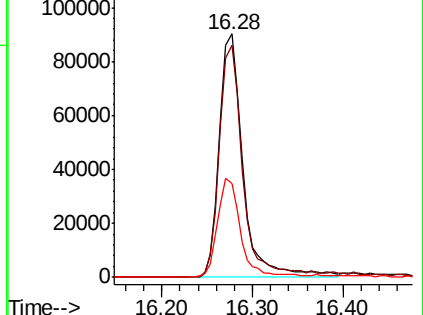
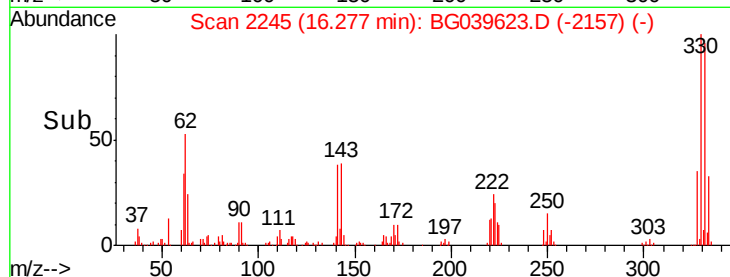
141 39.6 35.6 53.4



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: 78.346 ng

RT: 13.42 min Scan# 1758

Delta R.T. -0.02 min

Lab File: BG039623.D

Acq: 27 Feb 2019 6:37

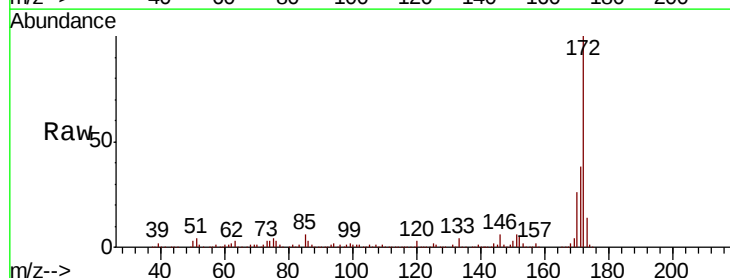
Tgt Ion:172 Resp: 874013

Ion Ratio Lower Upper

172 100

171 37.6 30.8 46.2

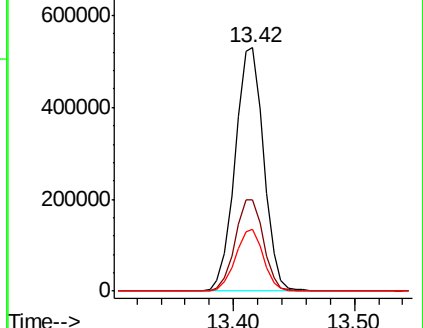
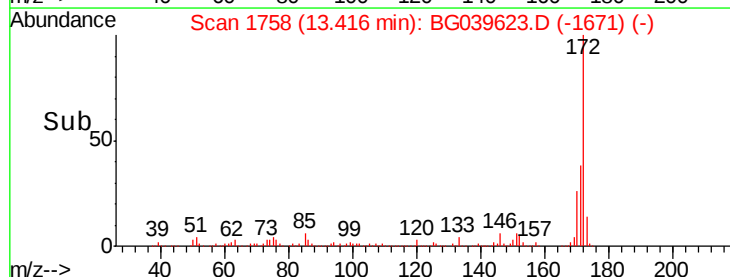
170 25.6 20.2 30.4

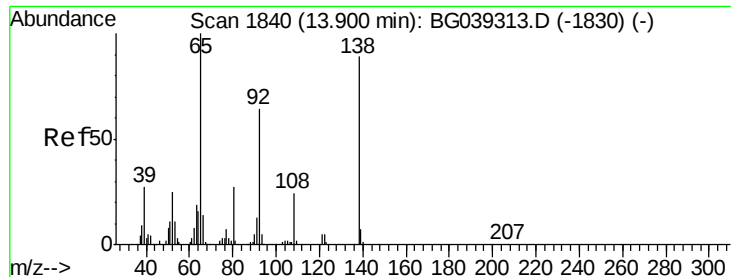


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

2-Nitroaniline

Concen: 8.719 ng

RT: 13.41 min Scan# 1757

Delta R.T. -0.49 min

Lab File: BG039623.D

Acq: 27 Feb 2019 6:37

Instrument :

BNA_G

ClientSampleId :

PB117340BL

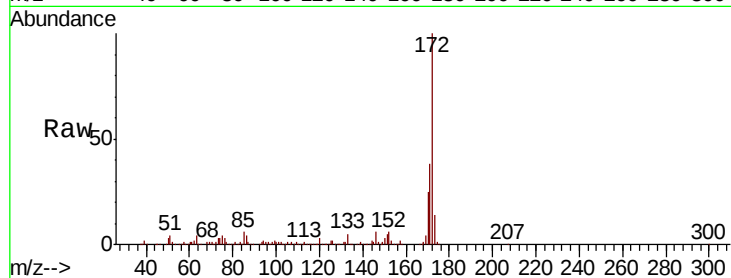
Tgt Ion: 65 Resp: 1471

Ion Ratio Lower Upper

65 100

92 180.7 51.4 77.2#

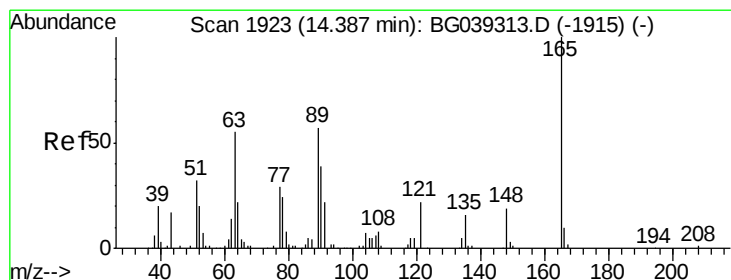
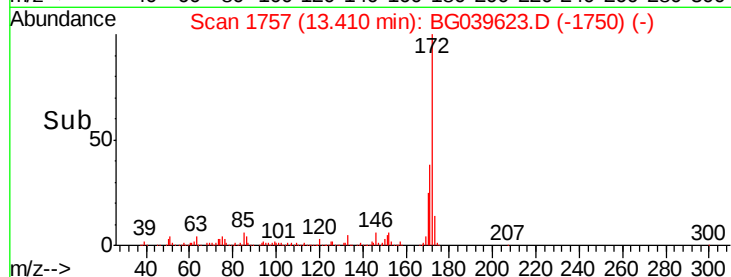
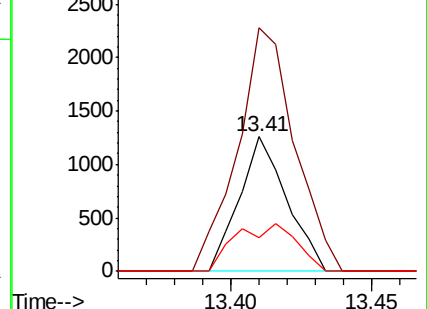
138 25.5 71.4 107.2#



Abundance Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): BGC



#51

2,6-Dinitrotoluene

Concen: 13.817 ng

RT: 14.79 min Scan# 1992

Delta R.T. 0.40 min

Lab File: BG039623.D

Acq: 27 Feb 2019 6:37

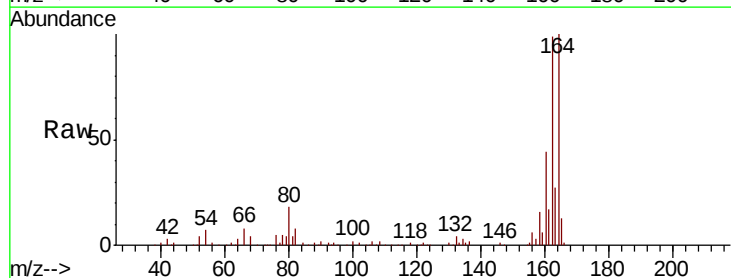
Tgt Ion: 165 Resp: 20308

Ion Ratio Lower Upper

165 100

63 2.3 47.0 70.6#

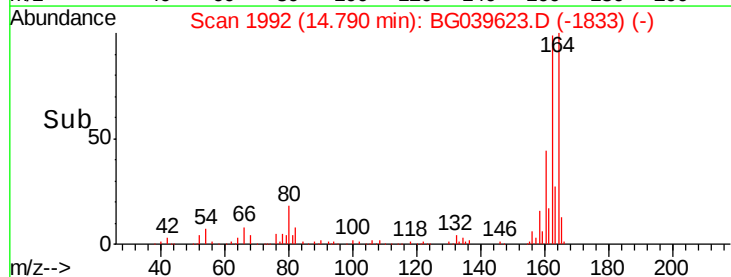
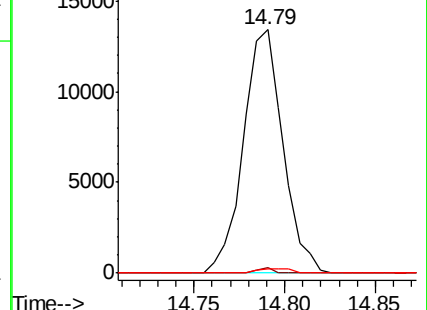
89 1.6 45.8 68.8#

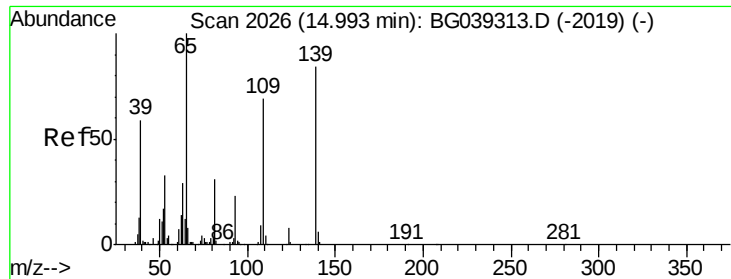


Abundance Ion 165.00 (164.70 to 165.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

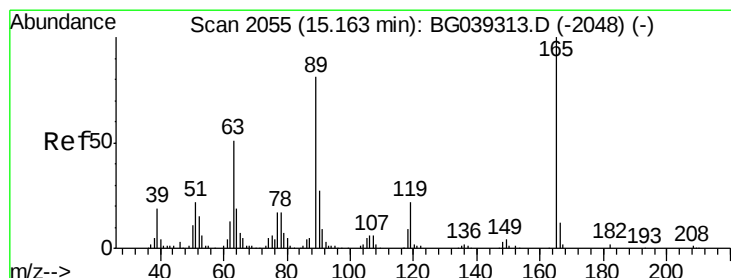
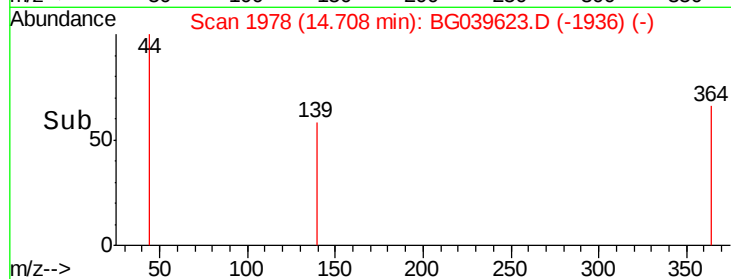
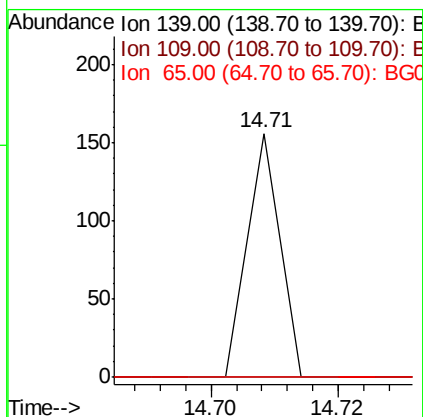
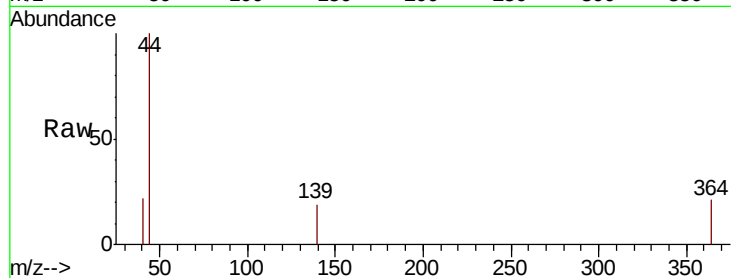




#56
4-Nitrophenol
Concen: 5.816 ng
RT: 14.71 min Scan# 1978
Delta R.T. -0.28 min
Lab File: BG039623.D
Acq: 27 Feb 2019 6:37

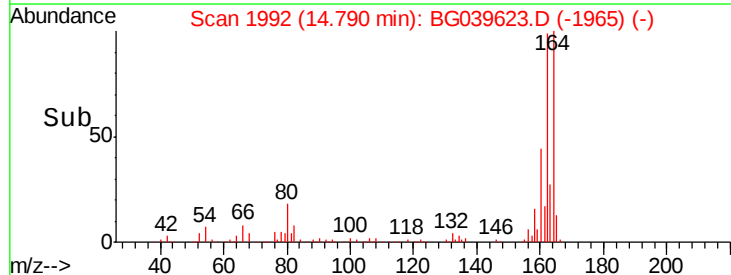
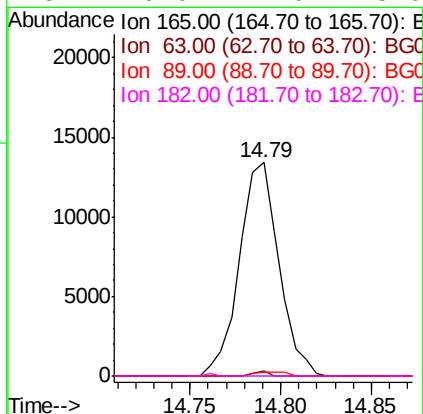
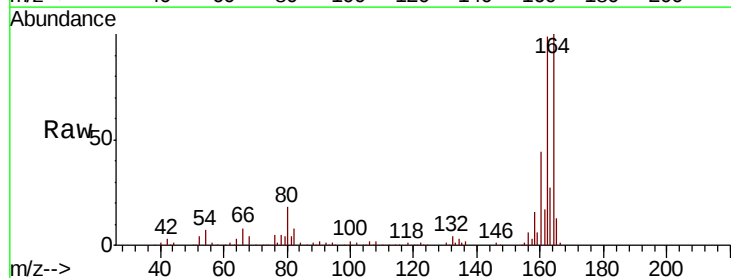
Instrument :
BNA_G
ClientSampleId :
PB117340BL

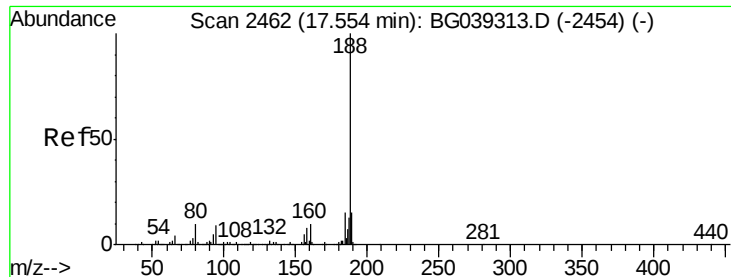
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	61.9	101.9#
65	0.0	99.1	139.1#



#57
2,4-Dinitrotoluene
Concen: 13.318 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.37 min
Lab File: BG039623.D
Acq: 27 Feb 2019 6:37

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.3	41.0	61.6#
89	1.6	64.6	96.8#
182	0.0	2.0	3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039623.D

Acq: 27 Feb 2019 6:37

Instrument :

BNA_G

ClientSampleId :

PB117340BL

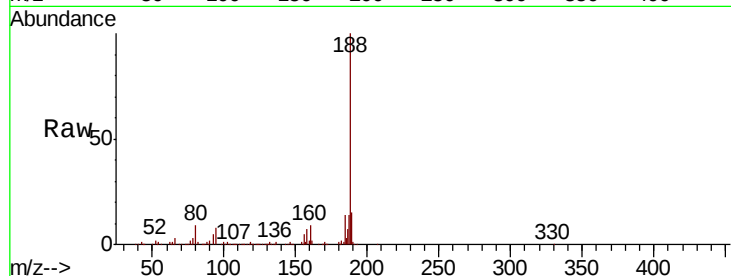
Tgt Ion:188 Resp: 396551

Ion Ratio Lower Upper

188 100

94 8.4 6.9 10.3

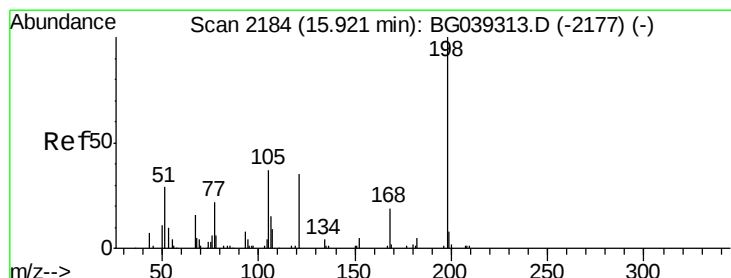
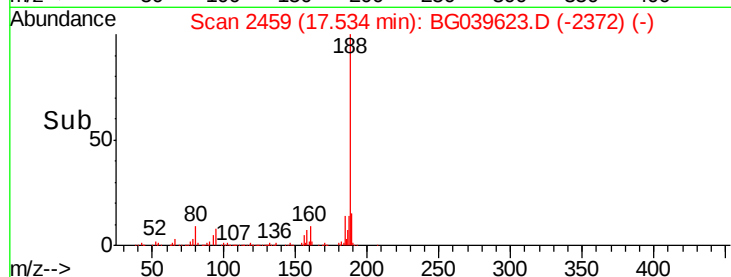
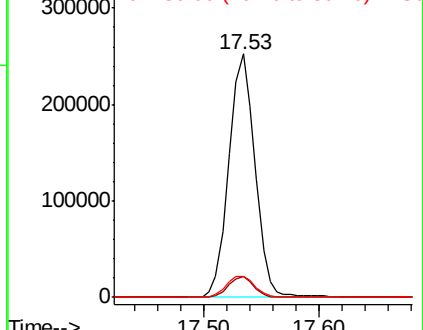
80 8.7 8.1 12.1



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: 4.605 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.36 min

Lab File: BG039623.D

Acq: 27 Feb 2019 6:37

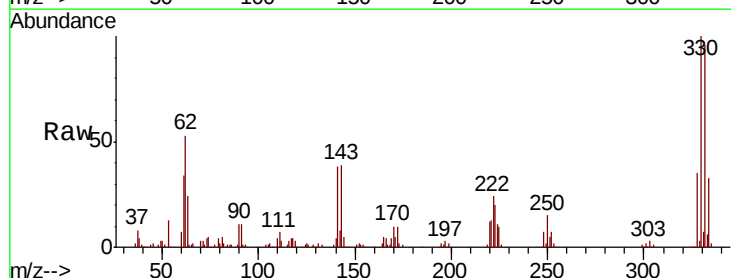
Tgt Ion:198 Resp: 533

Ion Ratio Lower Upper

198 100

51 123.7 27.4 67.4#

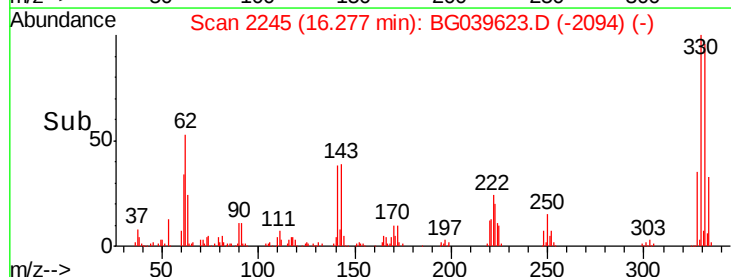
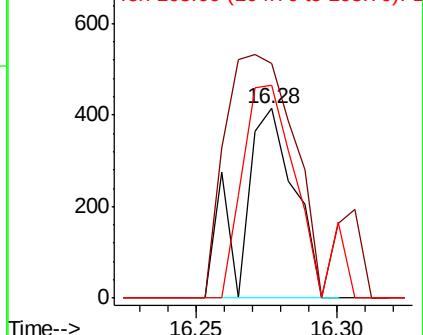
105 112.3 19.7 59.7#

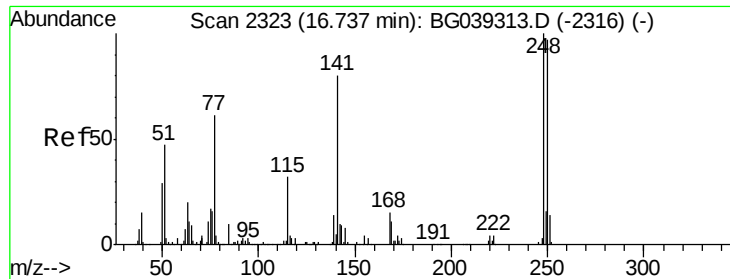


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

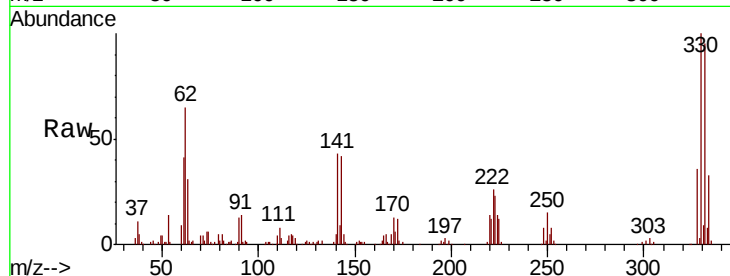




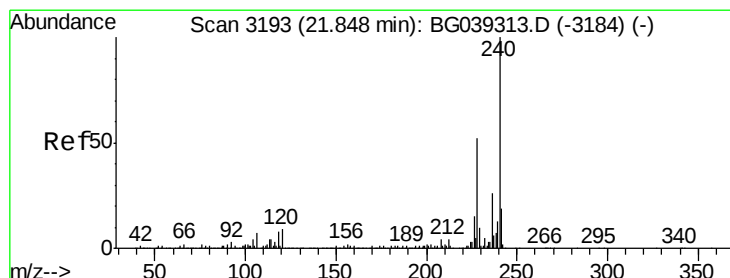
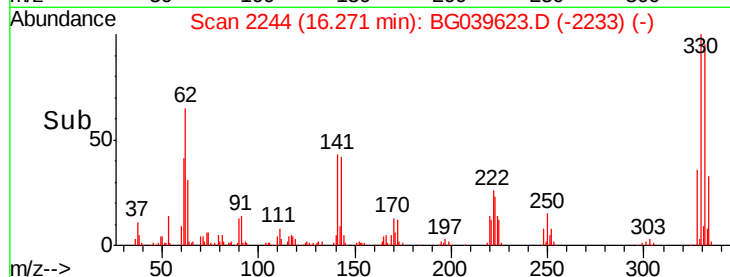
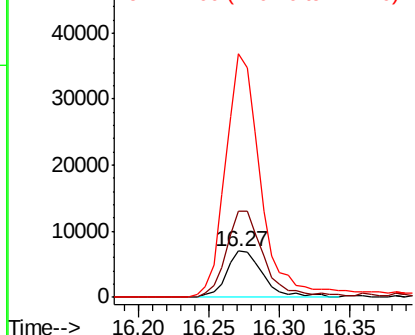
#67
4-Bromophenyl-phenylether
Concen: 2.885 ng
RT: 16.27 min Scan# 2244
Delta R.T. -0.47 min
Lab File: BG039623.D
Acq: 27 Feb 2019 6:37

Instrument :
BNA_G
ClientSampleId :
PB117340BL

Tgt Ion:248 Resp: 12692
Ion Ratio Lower Upper
248 100
250 186.8 77.6 116.4#
141 525.5 63.9 95.9#

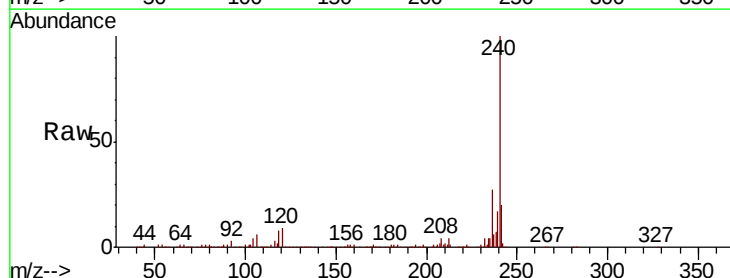


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

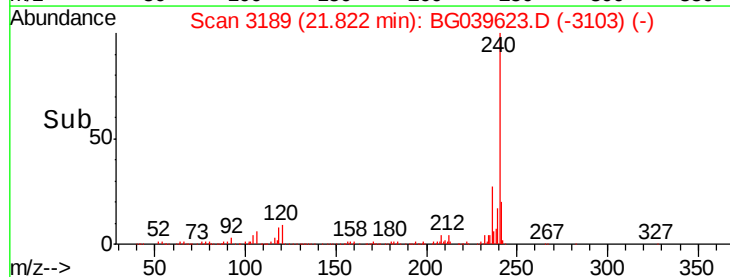
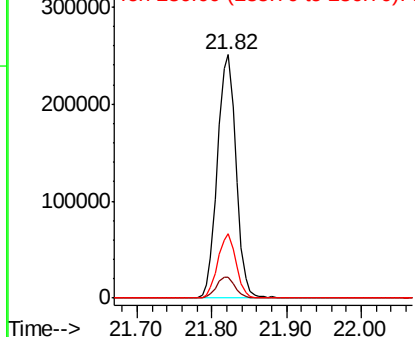


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3189
Delta R.T. -0.03 min
Lab File: BG039623.D
Acq: 27 Feb 2019 6:37

Tgt Ion:240 Resp: 434587
Ion Ratio Lower Upper
240 100
120 8.8 7.0 10.6
236 26.7 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: 69.980 ng

RT: 20.12 min Scan# 2900

Delta R.T. -0.03 min

Lab File: BG039623.D

Acq: 27 Feb 2019 6:37

Instrument :

BNA_G

ClientSampleId :

PB117340BL

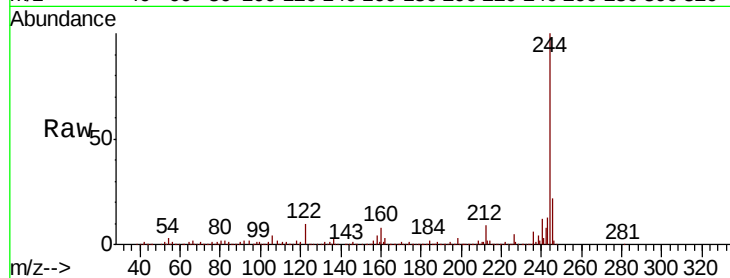
Tgt Ion:244 Resp: 1436789

Ion Ratio Lower Upper

244 100

212 9.2 7.3 10.9

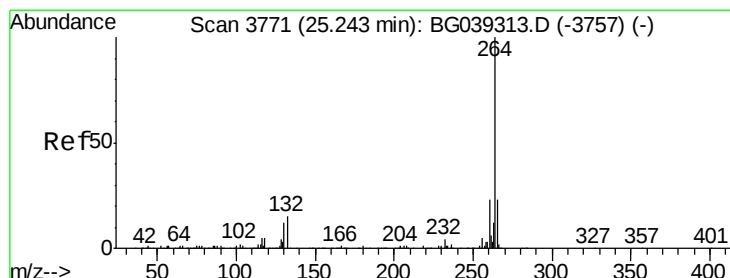
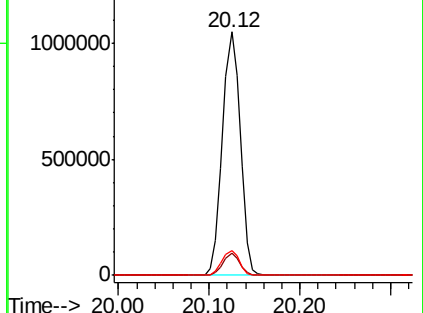
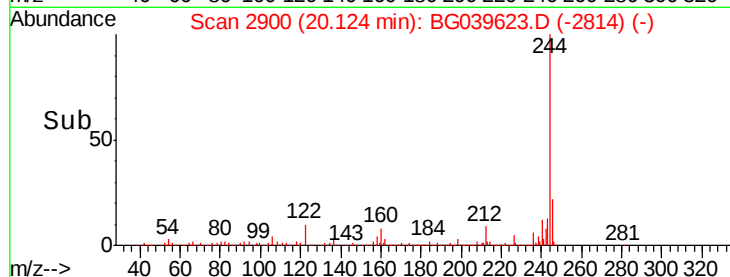
122 10.1 8.4 12.6



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: 25.19 min Scan# 3763

Delta R.T. -0.05 min

Lab File: BG039623.D

Acq: 27 Feb 2019 6:37

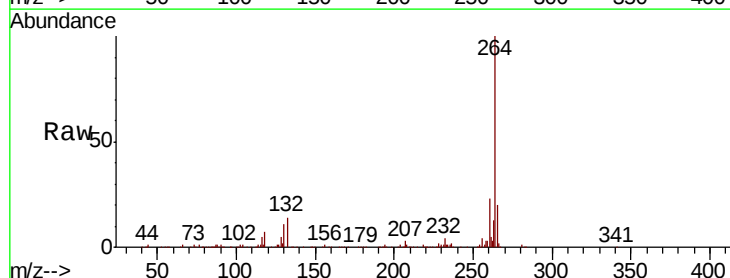
Tgt Ion:264 Resp: 427771

Ion Ratio Lower Upper

264 100

260 23.4 18.2 27.4

265 20.4 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

