

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG030119\
 Data File : BG039697.D
 Acq On : 1 Mar 2019 21:39
 Operator : JU/SJ
 Sample : PB117532TB
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB117532TB

Quant Time: Mar 02 03:13:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 06:15:02 2019
 Response via : Initial Calibration

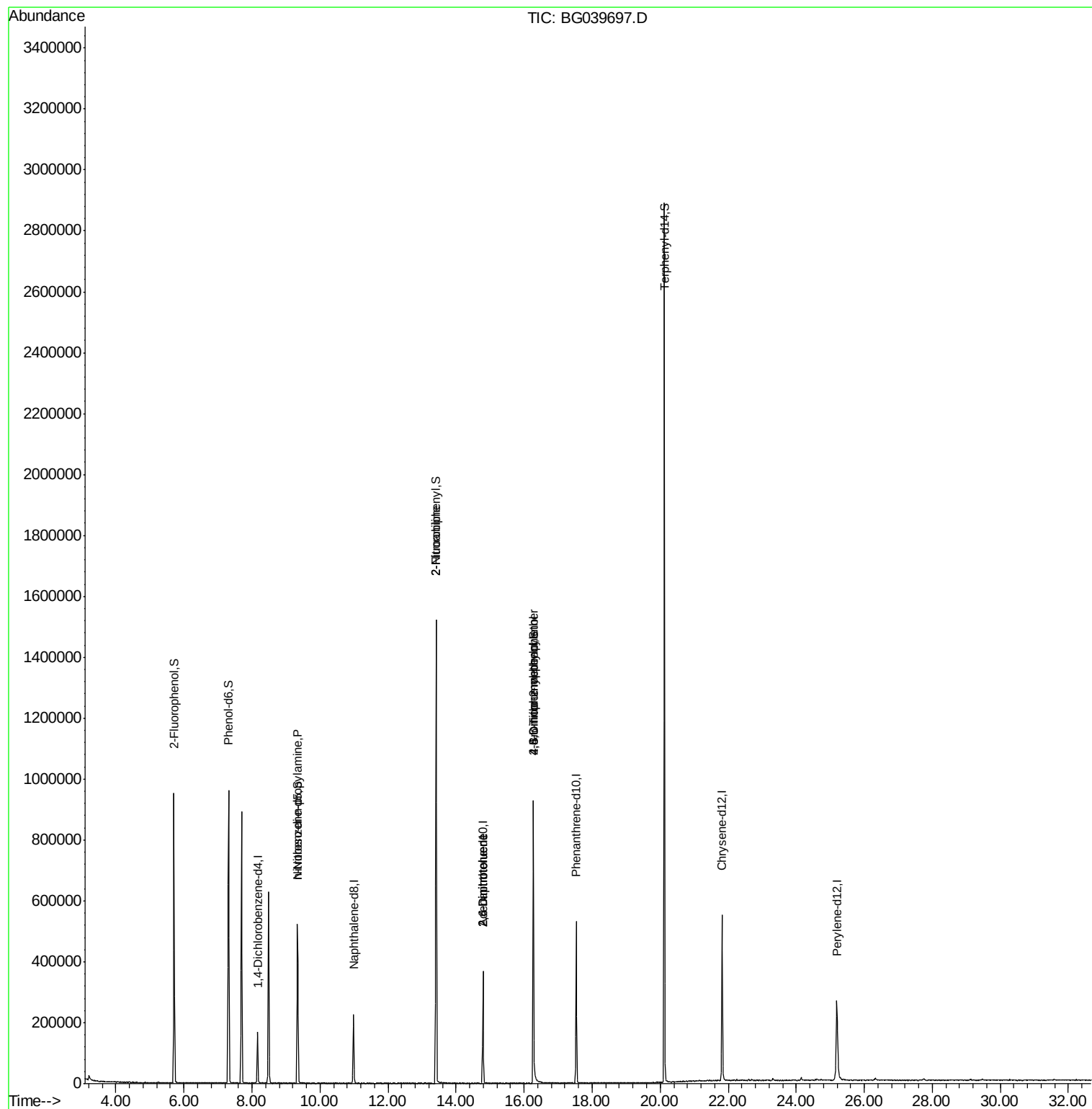
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	45558	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	198073	20.00	ng	0.00
39) Acenaphthene-d10	14.78	164	134535	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	333520	20.00	ng	0.00
76) Chrysene-d12	21.82	240	352581	20.00	ng	0.00
87) Perylene-d12	25.19	264	335713	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	393209	147.72	ng	0.00
7) Phenol-d6	7.31	99	559753	142.86	ng	0.00
23) Nitrobenzene-d5	9.34	82	319730	100.84	ng	0.00
42) 2,4,6-Tribromophenol	16.28	330	172802	119.28	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	789864	84.22	ng	0.00
79) Terphenyl-d14	20.12	244	1331200	79.92	ng	0.00
Target Compounds						
9) Benzaldehyde	7.31	77	827	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	9.34	70	41010	14.747 ng	#	4
48) 2-Nitroaniline	13.41	65	1357	8.760 ng	#	11
51) 2,6-Dinitrotoluene	14.79	165	17325	13.925 ng	#	23
57) 2,4-Dinitrotoluene	14.79	165	17325	13.400 ng	#	19
65) 4,6-Dinitro-2-methylphenol	16.28	198	553	4.706 ng	#	1
67) 4-Bromophenyl-phenylether	16.27	248	13114	3.544 ng	#	1

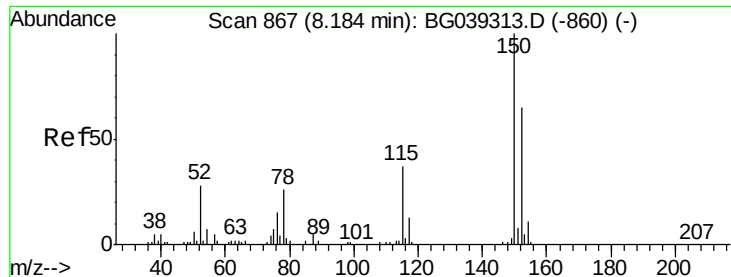
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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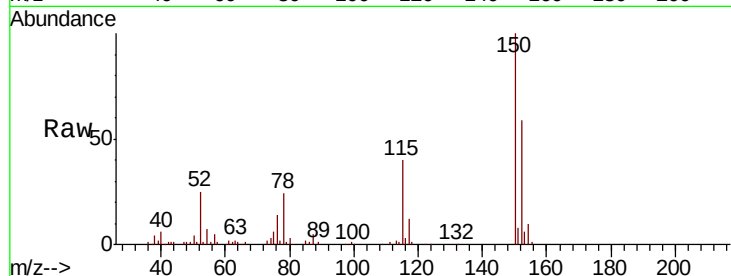


#1

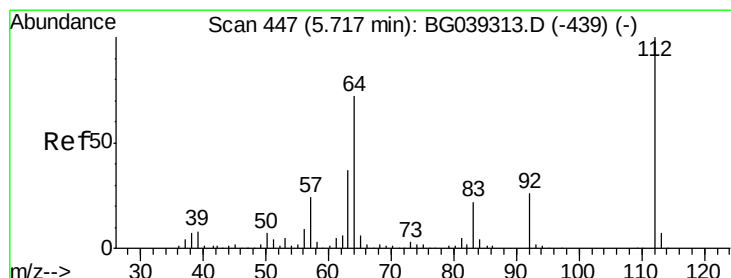
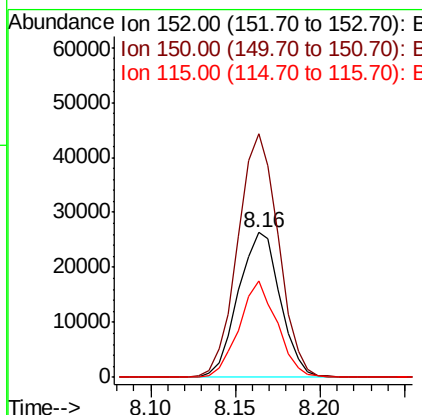
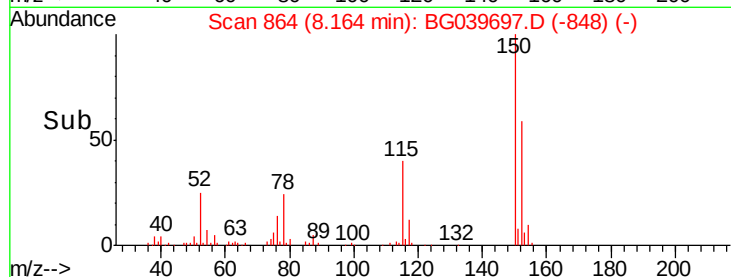
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.16 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: BG039697.D
 Acq: 1 Mar 2019 21:39

Instrument :
 BNA_G
 ClientSampleId :
 PB117532TB

Tgt Ion:152 Resp: 45558
 Ion Ratio Lower Upper
 152 100
 150 168.1 123.7 185.5
 115 66.6 45.9 68.9



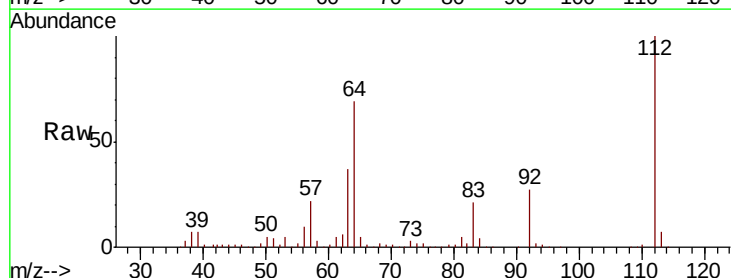
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



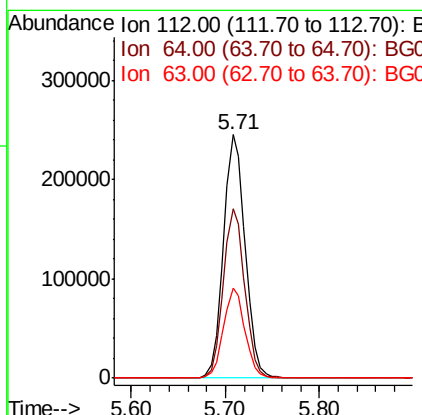
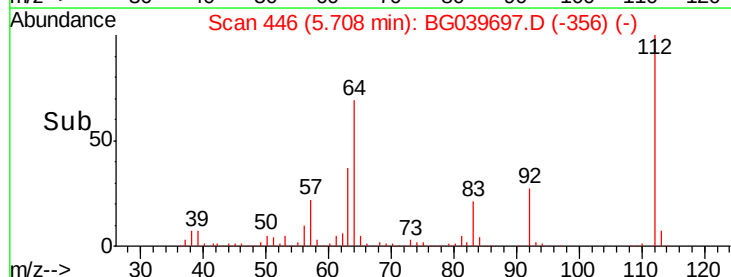
#5

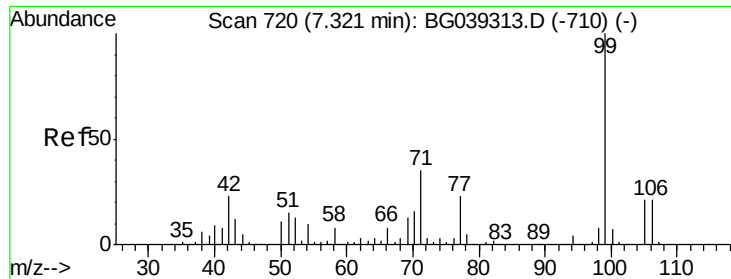
2-Fluorophenol
 Concen: 147.720 ng
 RT: 5.71 min Scan# 446
 Delta R.T. -0.00 min
 Lab File: BG039697.D
 Acq: 1 Mar 2019 21:39

Tgt Ion:112 Resp: 393209
 Ion Ratio Lower Upper
 112 100
 64 69.4 57.8 86.8
 63 37.0 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: 142.860 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.00 min

Lab File: BG039697.D

Acq: 1 Mar 2019 21:39

Instrument :

BNA_G

ClientSampleId :

PB117532TB

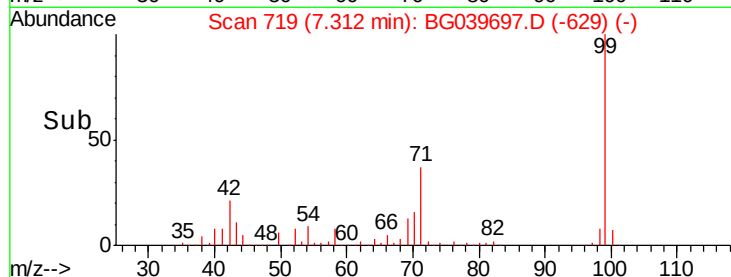
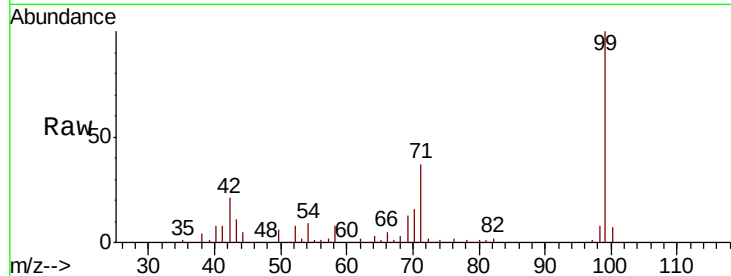
Tgt Ion: 99 Resp: 559753

Ion Ratio Lower Upper

99 100

42 20.8 18.2 27.2

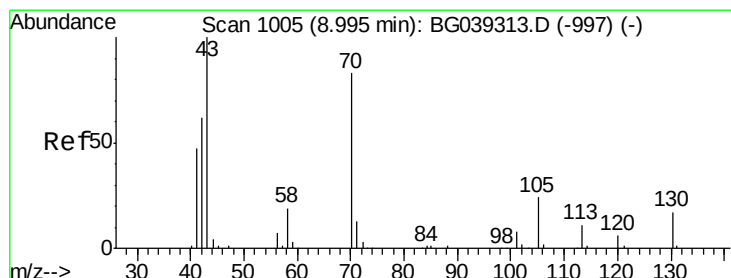
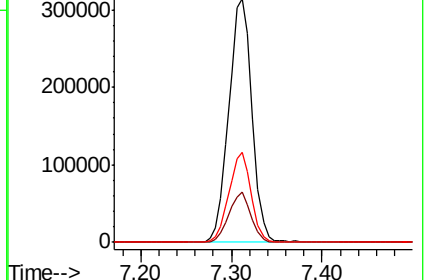
71 37.0 28.0 42.0



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: 14.747 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.38 min

Lab File: BG039697.D

Acq: 1 Mar 2019 21:39

Tgt Ion: 70 Resp: 41010

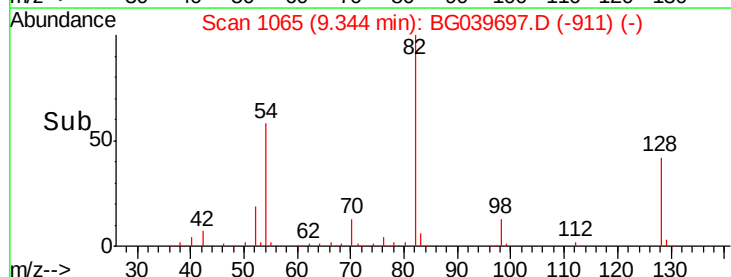
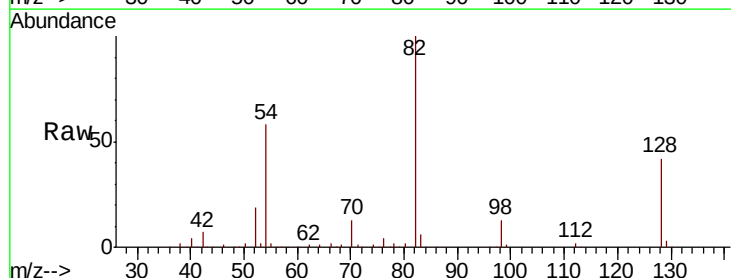
Ion Ratio Lower Upper

70 100

42 53.2 60.4 90.6#

101 0.0 7.5 11.3#

130 2.2 16.9 25.3#

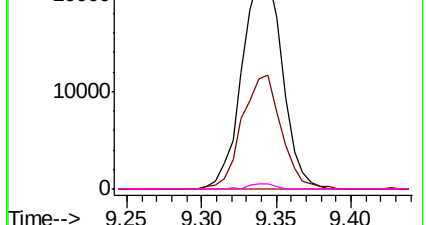


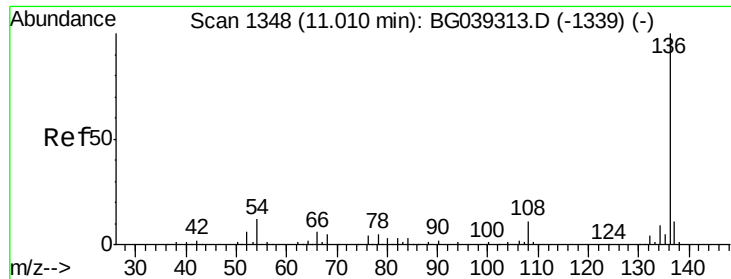
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

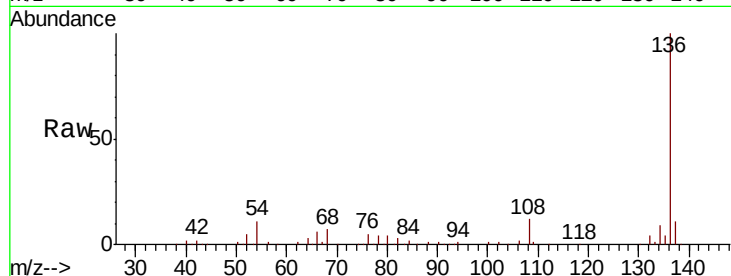




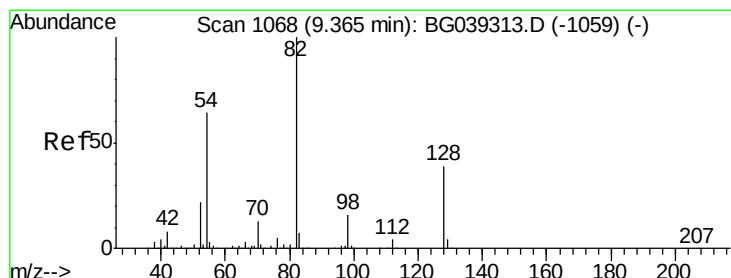
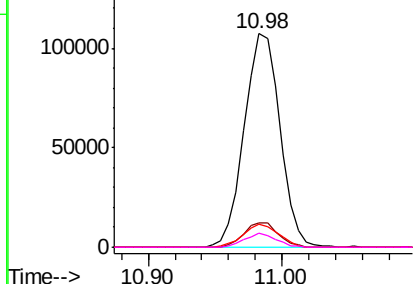
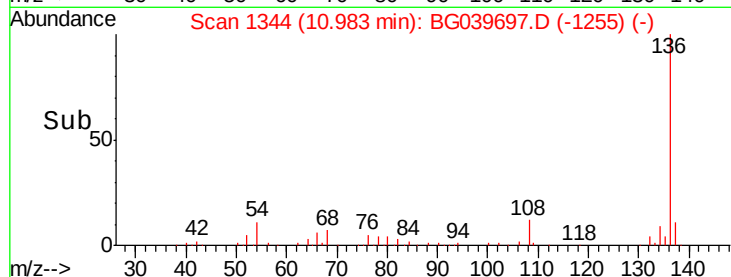
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BG039697.D
Acq: 1 Mar 2019 21:39

Instrument :
BNA_G
ClientSampleId :
PB117532TB

Tgt Ion:	136	Resp:	198073
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	10.9	9.4	14.2
68	6.5	4.2	6.4#

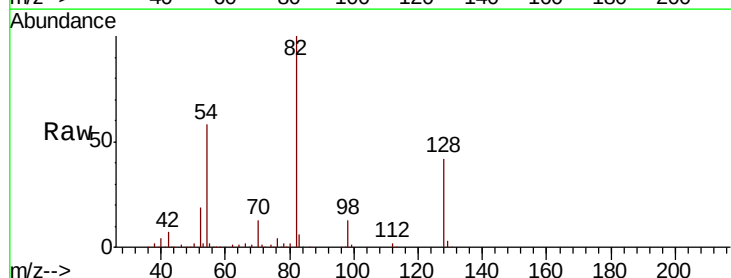


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

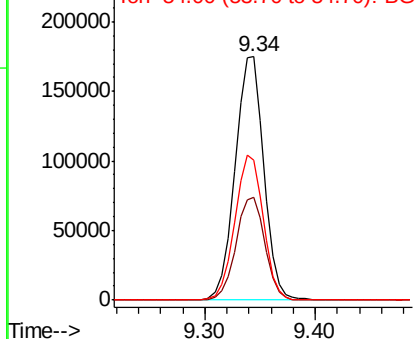
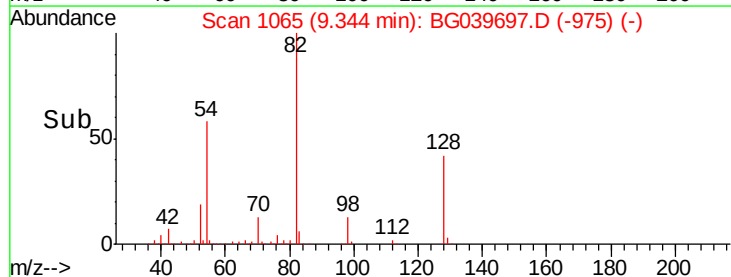


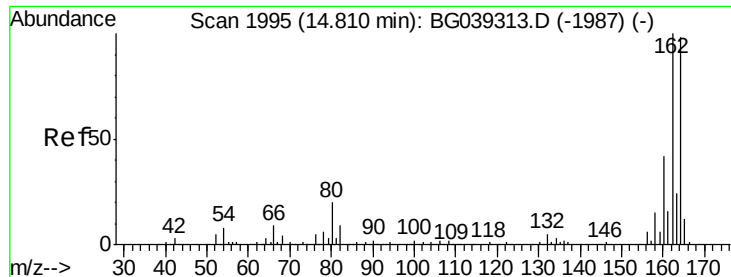
#23
Nitrobenzene-d5
Concen: 100.842 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.00 min
Lab File: BG039697.D
Acq: 1 Mar 2019 21:39

Tgt Ion:	82	Resp:	319730
Ion	Ratio	Lower	Upper
82	100		
128	42.3	31.3	46.9
54	57.7	50.9	76.3



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: 14.78 min Scan# 1991

Delta R.T. -0.01 min

Lab File: BG039697.D

Acq: 1 Mar 2019 21:39

Instrument :

BNA_G

ClientSampleId :

PB117532TB

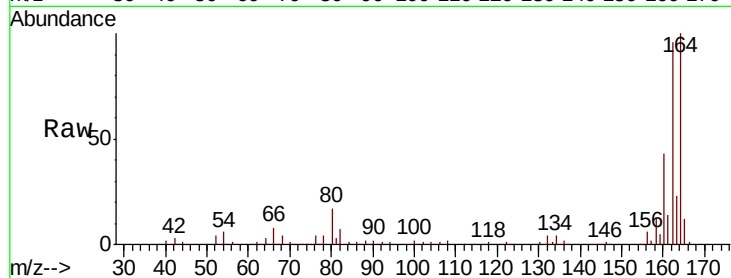
Tgt Ion:164 Resp: 134535

Ion Ratio Lower Upper

164 100

162 96.5 81.6 122.4

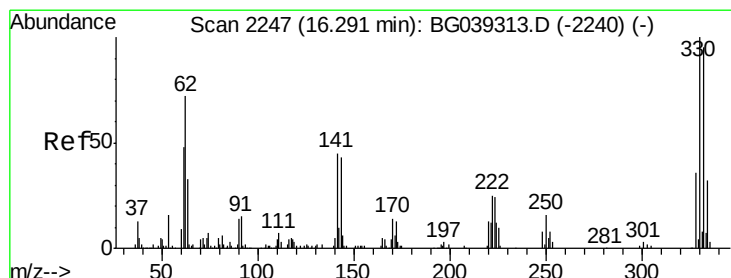
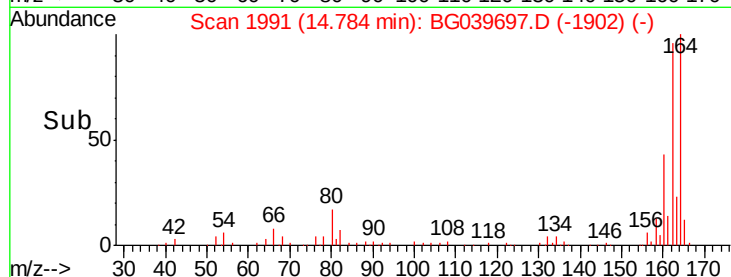
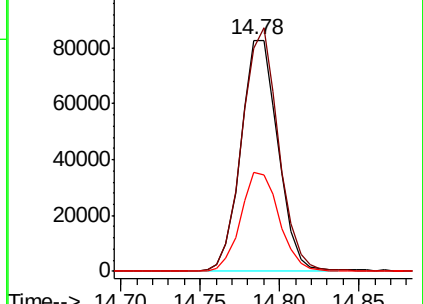
160 42.6 34.2 51.2



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: 119.280 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.00 min

Lab File: BG039697.D

Acq: 1 Mar 2019 21:39

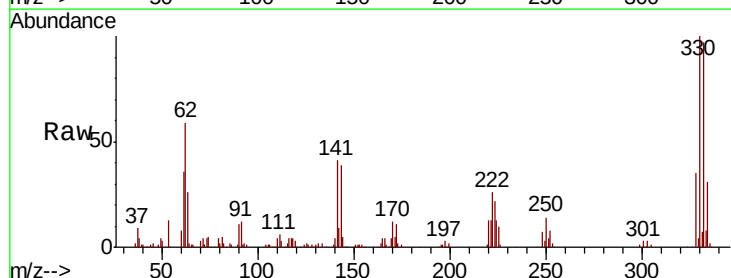
Tgt Ion:330 Resp: 172802

Ion Ratio Lower Upper

330 100

332 98.2 75.7 113.5

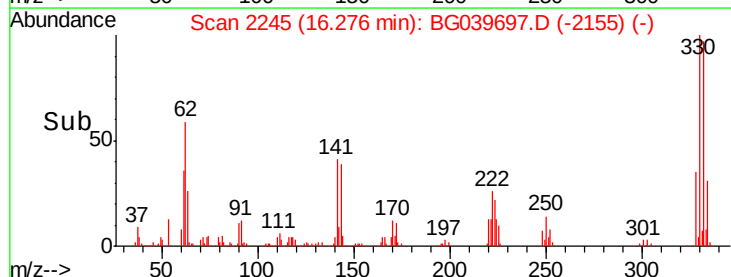
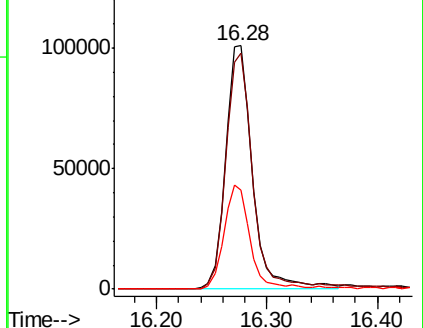
141 41.1 35.6 53.4

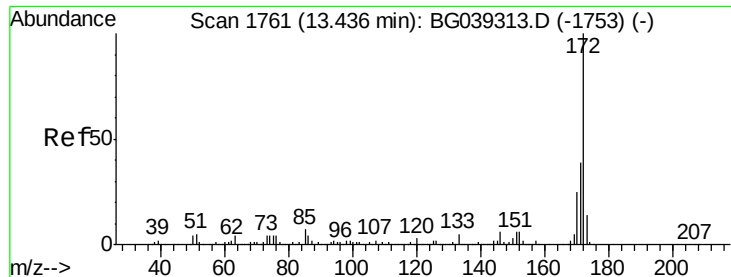


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

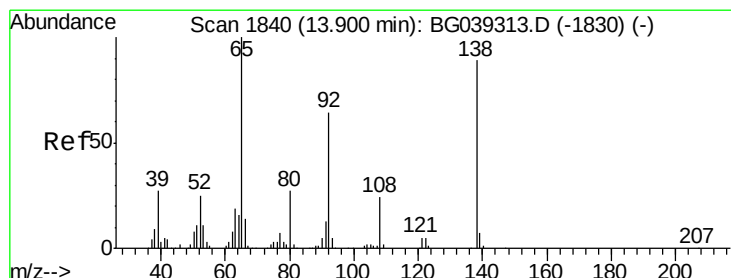
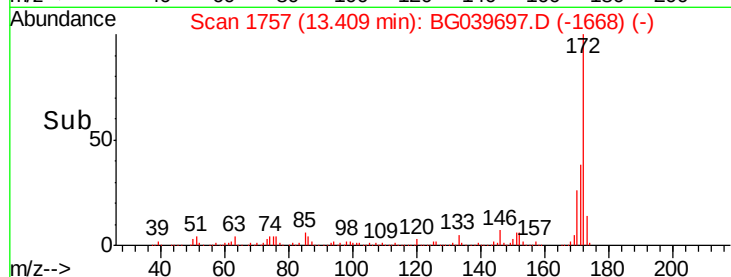
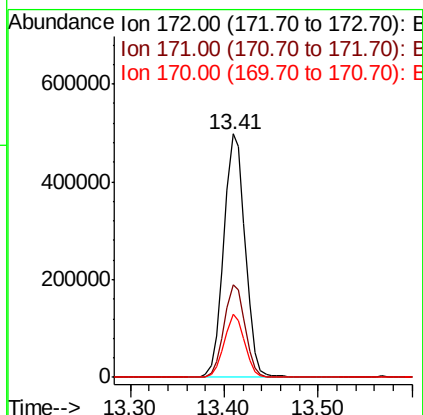
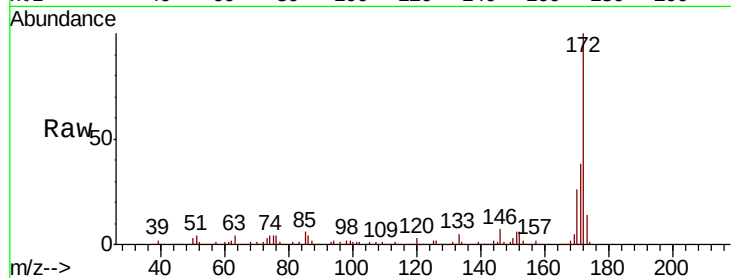




#45
2-Fluorobiphenyl
Concen: 84.223 ng
RT: 13.41 min Scan# 1757
Delta R.T. -0.01 min
Lab File: BG039697.D
Acq: 1 Mar 2019 21:39

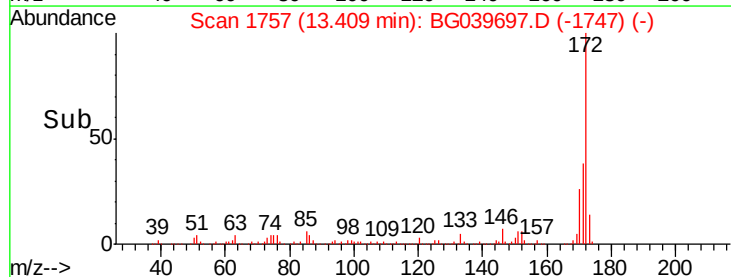
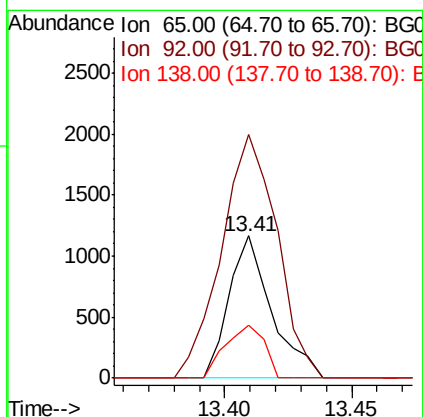
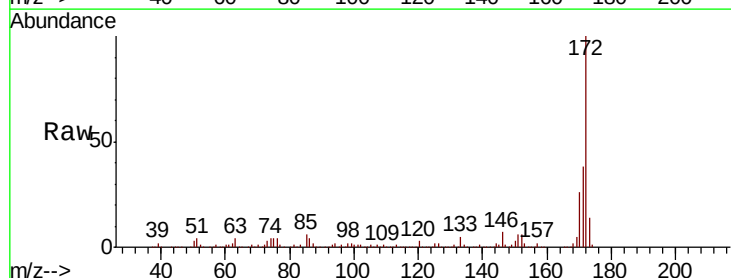
Instrument :
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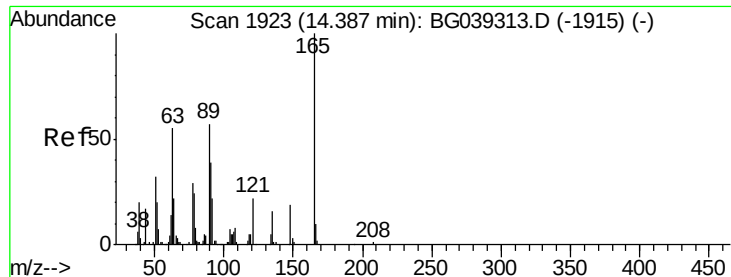
Tgt Ion: 172 Resp: 789864
Ion Ratio Lower Upper
172 100
171 38.1 30.8 46.2
170 26.0 20.2 30.4



#48
2-Nitroaniline
Concen: 8.760 ng
RT: 13.41 min Scan# 1757
Delta R.T. -0.47 min
Lab File: BG039697.D
Acq: 1 Mar 2019 21:39

Tgt Ion: 65 Resp: 1357
Ion Ratio Lower Upper
65 100
92 171.3 51.4 77.2#
138 37.6 71.4 107.2#





#51

2,6-Dinitrotoluene

Concen: 13.925 ng

RT: 14.79 min Scan# 1992

Delta R.T. 0.42 min

Lab File: BG039697.D

Acq: 1 Mar 2019 21:39

Instrument :

BNA_G

ClientSampleId :

PB117532TB

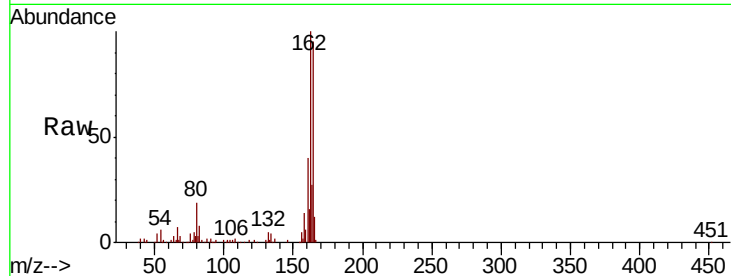
Tgt Ion:165 Resp: 17325

Ion Ratio Lower Upper

165 100

63 0.0 47.0 70.6#

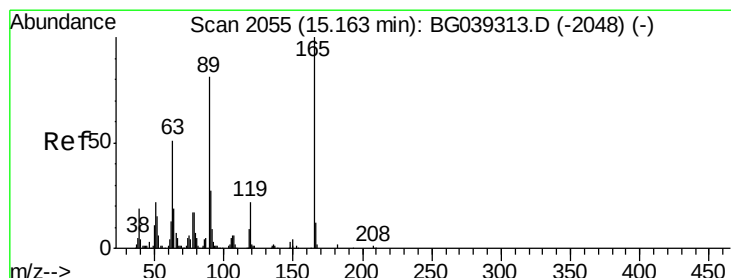
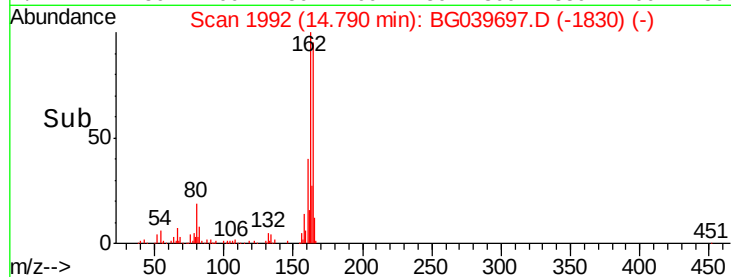
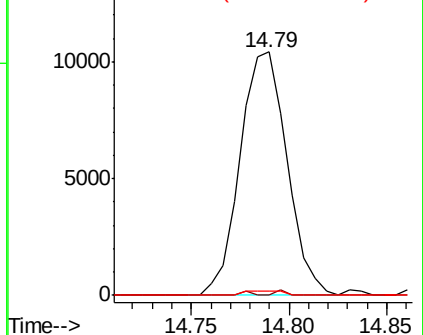
89 2.0 45.8 68.8#



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: 13.400 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.36 min

Lab File: BG039697.D

Acq: 1 Mar 2019 21:39

Tgt Ion:165 Resp: 17325

Ion Ratio Lower Upper

165 100

63 0.0 41.0 61.6#

89 2.0 64.6 96.8#

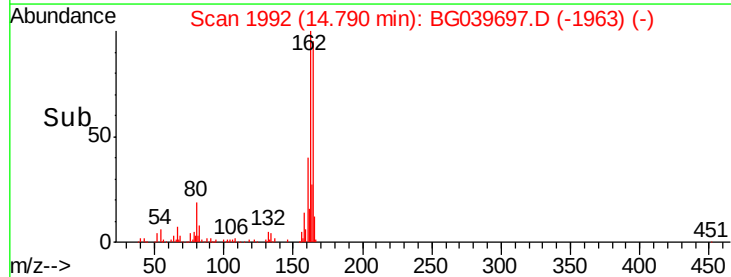
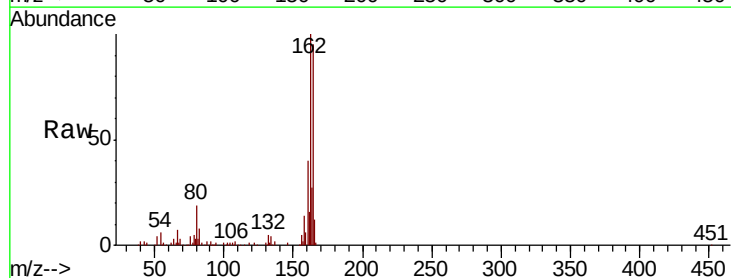
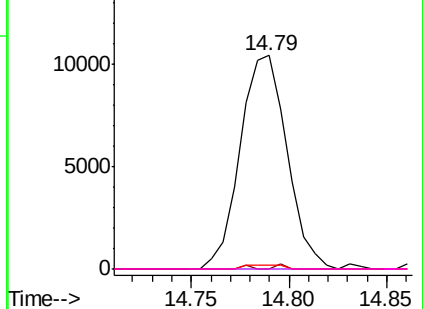
182 0.0 2.0 3.0#

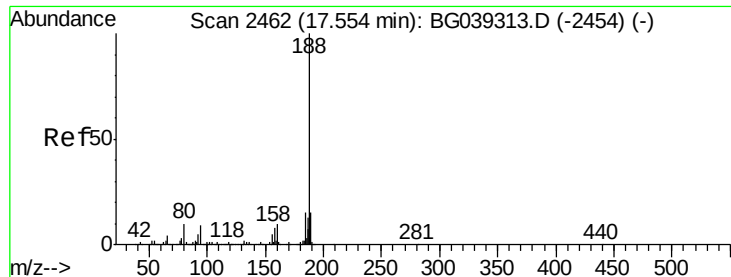
Abundance Ion 165.00 (164.70 to 165.70): E

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. -0.00 min

Lab File: BG039697.D

Acq: 1 Mar 2019 21:39

Instrument :

BNA_G

ClientSampleId :

PB117532TB

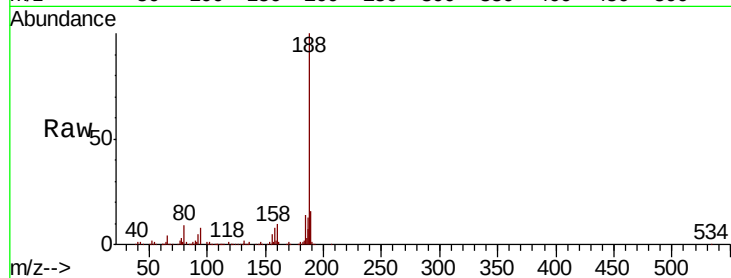
Tgt Ion:188 Resp: 333520

Ion Ratio Lower Upper

188 100

94 8.5 6.9 10.3

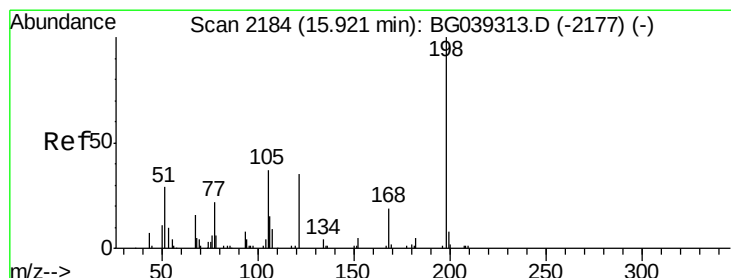
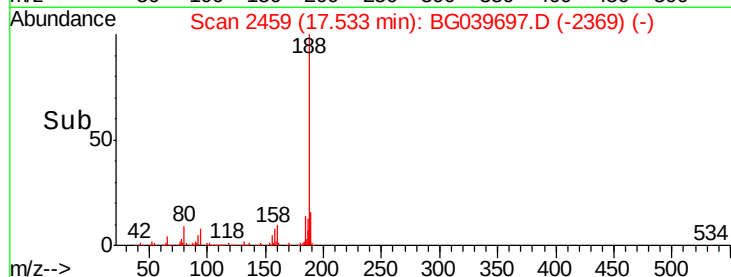
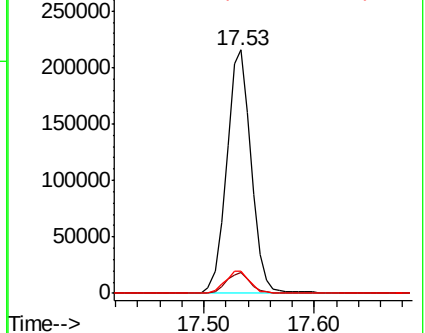
80 9.2 8.1 12.1



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



#65

4,6-Dinitro-2-methylphenol

Concen: 4.706 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.37 min

Lab File: BG039697.D

Acq: 1 Mar 2019 21:39

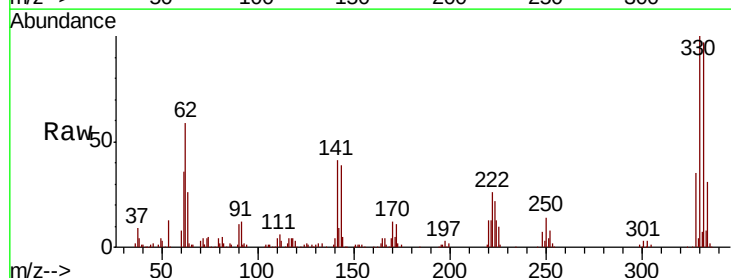
Tgt Ion:198 Resp: 553

Ion Ratio Lower Upper

198 100

51 69.7 27.4 67.4#

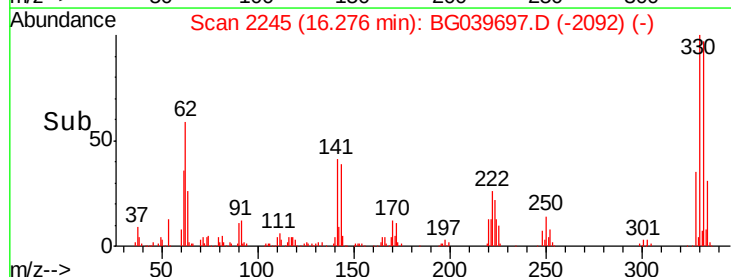
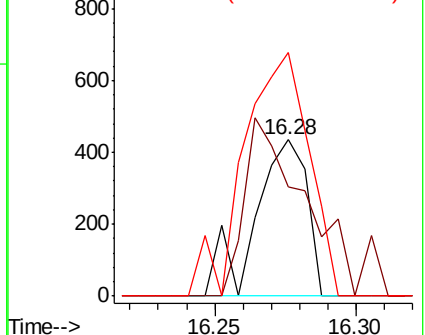
105 155.6 19.7 59.7#

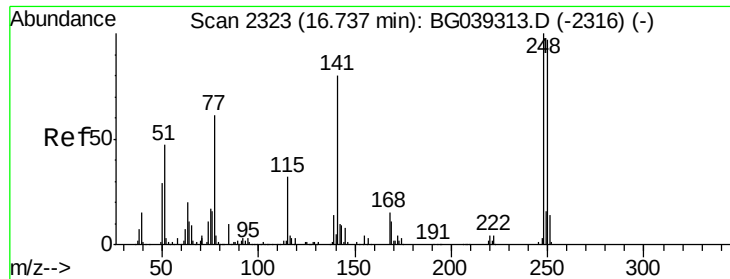


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

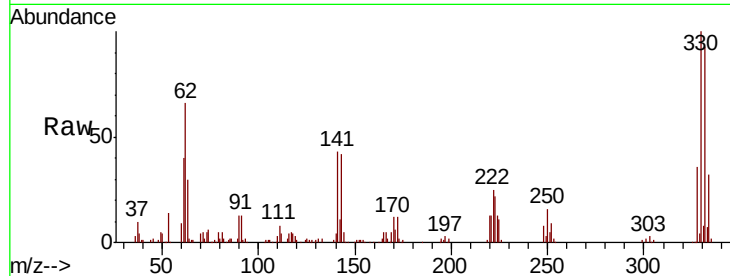




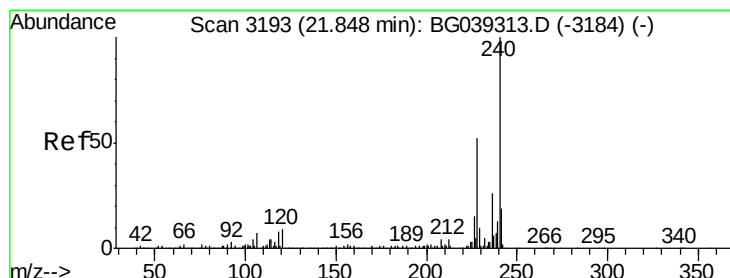
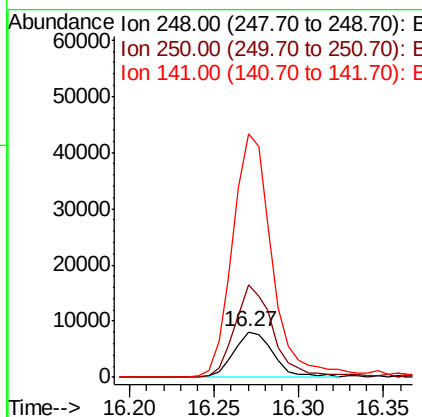
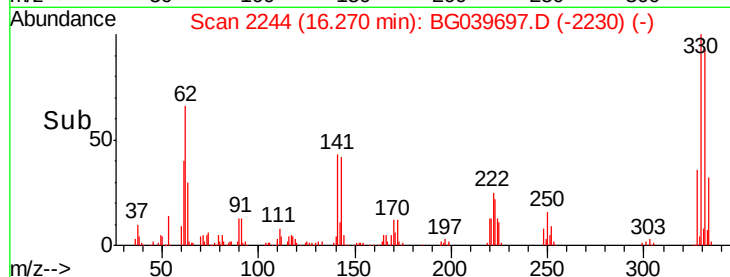
#67
 4-Bromophenyl-phenylether
 Concen: 3.544 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. -0.45 min
 Lab File: BG039697.D
 Acq: 1 Mar 2019 21:39

Instrument :
 BNA_G
 ClientSampleId :
 PB117532TB

Tgt Ion:248 Resp: 13114
 Ion Ratio Lower Upper
 248 100
 250 203.4 77.6 116.4#
 141 538.1 63.9 95.9#

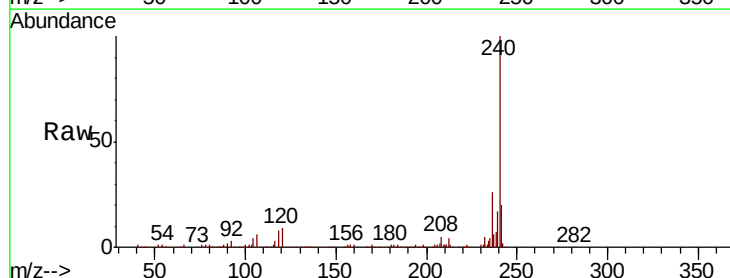


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

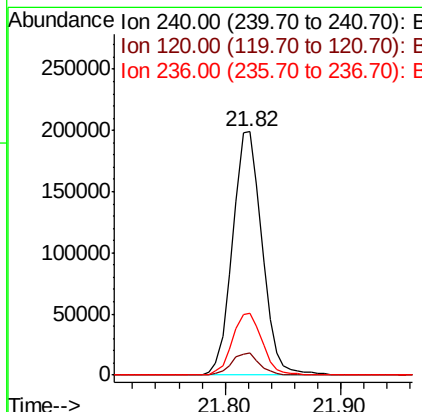
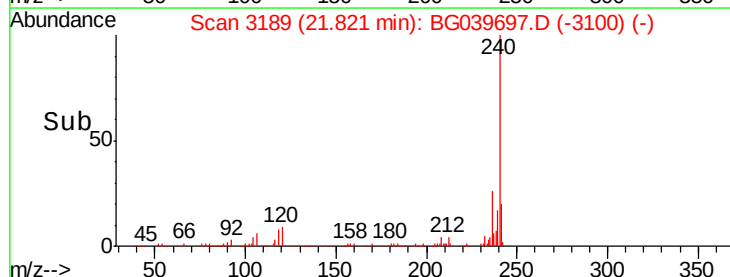


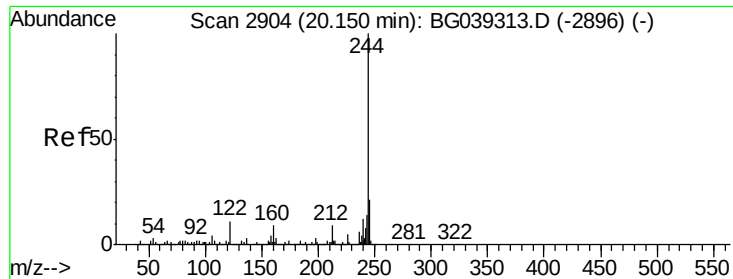
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3189
 Delta R.T. -0.01 min
 Lab File: BG039697.D
 Acq: 1 Mar 2019 21:39

Tgt Ion:240 Resp: 352581
 Ion Ratio Lower Upper
 240 100
 120 8.9 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: 79.917 ng

RT: 20.12 min Scan# 2900

Delta R.T. -0.00 min

Lab File: BG039697.D

Acq: 1 Mar 2019 21:39

Instrument :

BNA_G

ClientSampleId :

PB117532TB

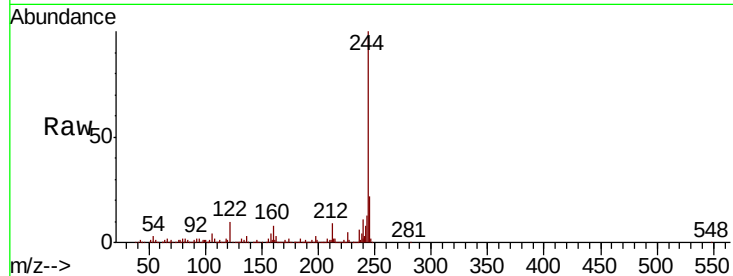
Tgt Ion:244 Resp: 1331200

Ion Ratio Lower Upper

244 100

212 9.2 7.3 10.9

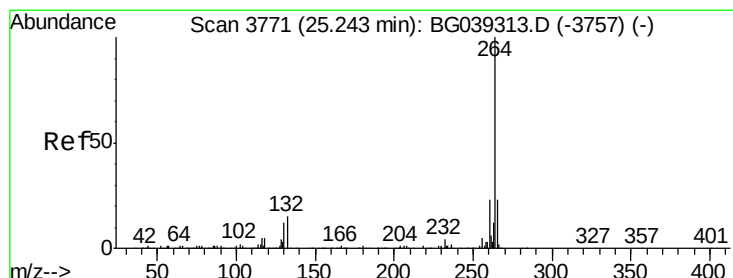
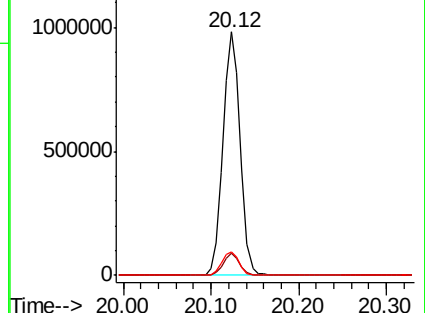
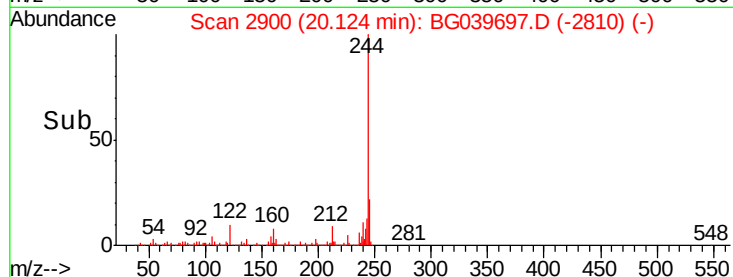
122 9.9 8.4 12.6



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. -0.01 min

Lab File: BG039697.D

Acq: 1 Mar 2019 21:39

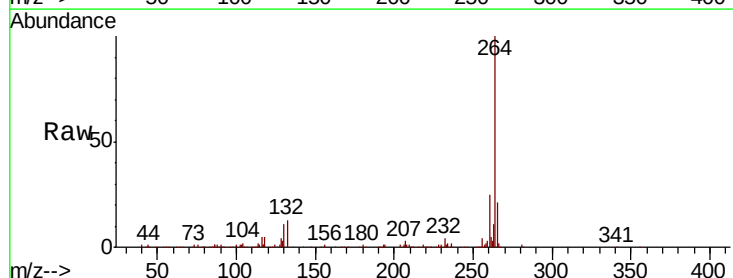
Tgt Ion:264 Resp: 335713

Ion Ratio Lower Upper

264 100

260 25.0 18.2 27.4

265 21.1 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

