

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020719\
 Data File : BG039394.D
 Acq On : 7 Feb 2019 22:55
 Operator : JU/SJ
 Sample : PB116922BL
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB116922BL

Quant Time: Feb 08 09:14:53 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

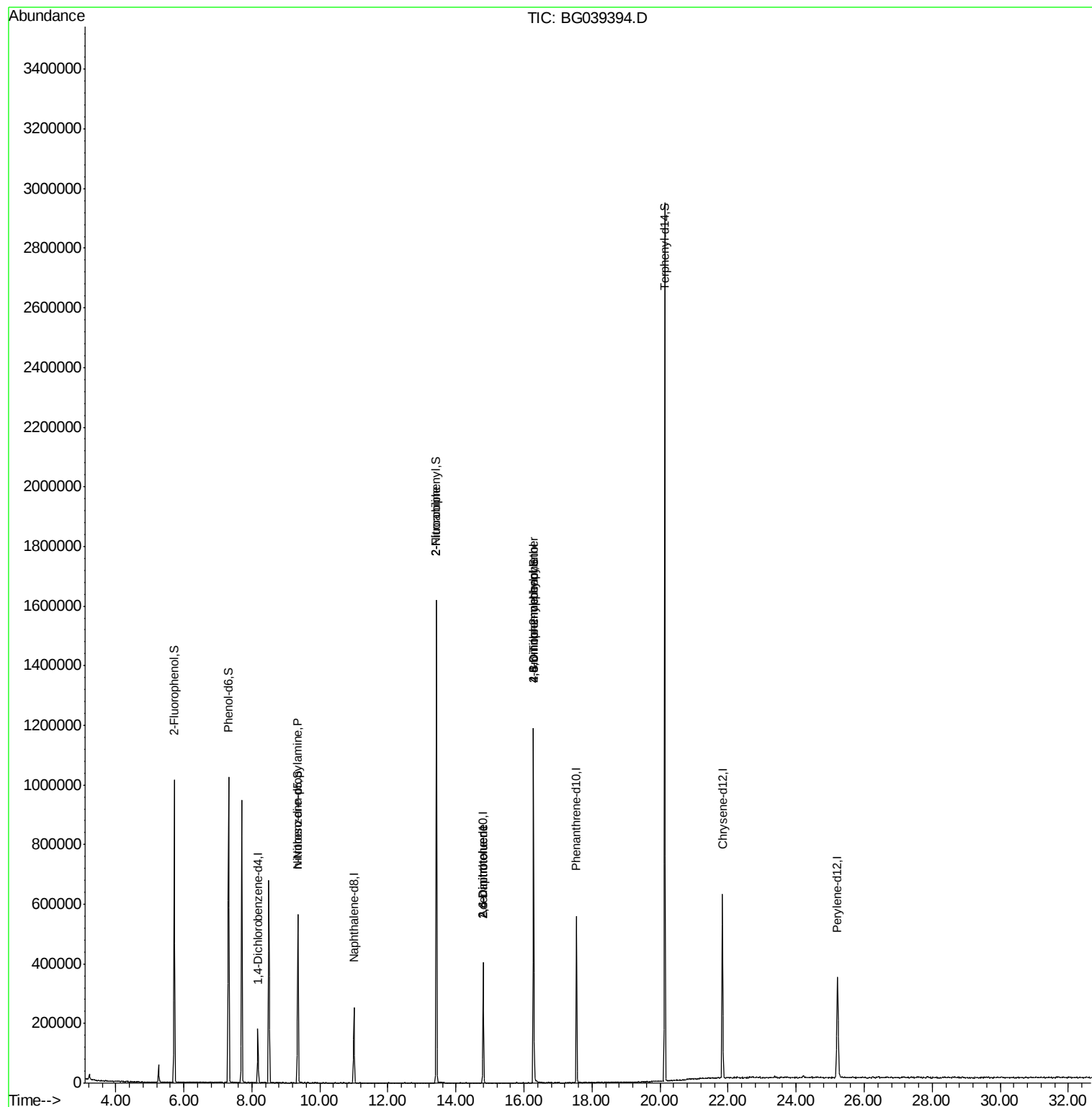
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	50075	20.00	ng	0.00
21) Naphthalene-d8	11.00	136	215787	20.00	ng	-0.01
39) Acenaphthene-d10	14.80	164	139650	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	349194	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	388458	20.00	ng	-0.02
87) Perylene-d12	25.21	264	378674	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	417989	142.86	ng	0.00
7) Phenol-d6	7.31	99	582226	135.19	ng	0.00
23) Nitrobenzene-d5	9.35	82	333922	96.67	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	205475	136.64	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	836532	85.93	ng	-0.01
79) Terphenyl-d14	20.14	244	1401776	76.38	ng	-0.01
Target Compounds						
9) Benzaldehyde	7.31	77	1101	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.35	70	42423	13.88	ng	# 68
48) 2-Nitroaniline	13.42	65	1570	8.81	ng	# 15
51) 2,6-Dinitrotoluene	14.80	165	16680	13.39	ng	# 25
57) 2,4-Dinitrotoluene	14.80	165	16680	13.00	ng	# 20
65) 4,6-Dinitro-2-methylphenol	16.28	198	712	4.83	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	15471	3.99	ng	# 1

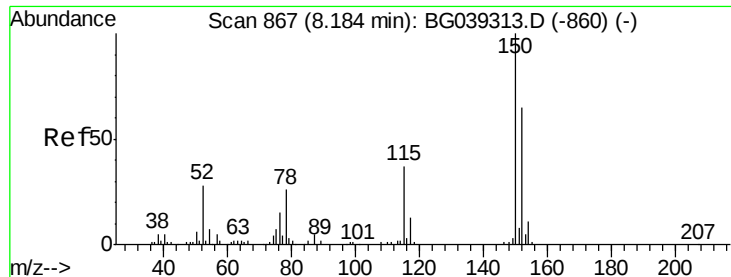
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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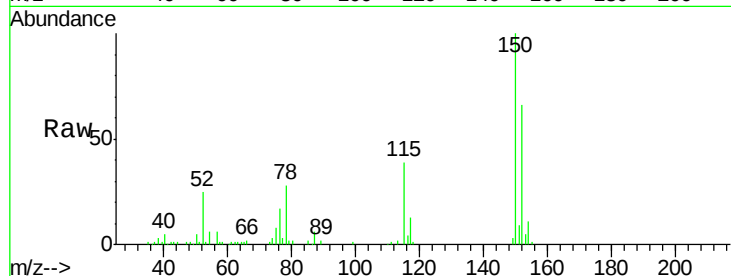


#1

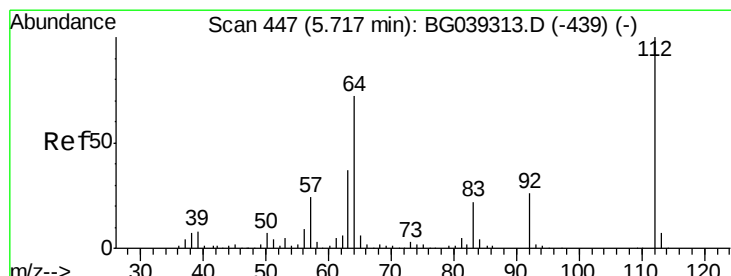
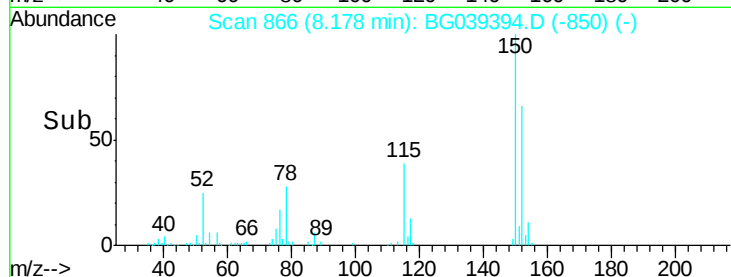
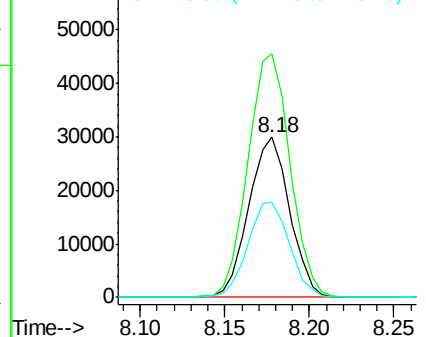
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.18 min Scan# 866
Delta R.T. -0.01 min
Lab File: BG039394.D
Acq: 7 Feb 2019 22:55

Instrument :
BNA_G
ClientSampleId :
PB116922BL

Tot Ion:152 Resp: 50075
Ion Ratio Lower Upper
152 100
150 152.4 123.7 185.5
115 59.4 45.9 68.9



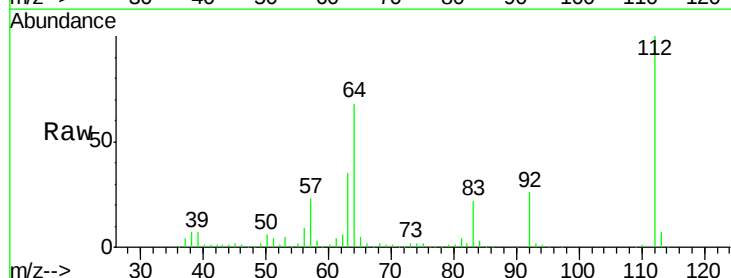
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



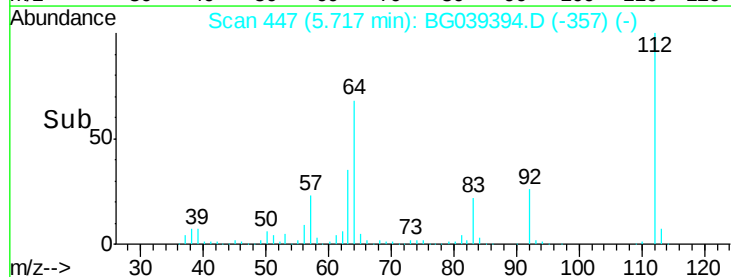
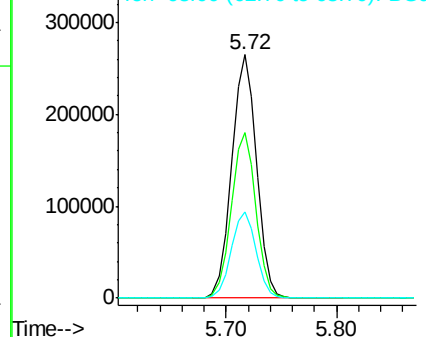
#5

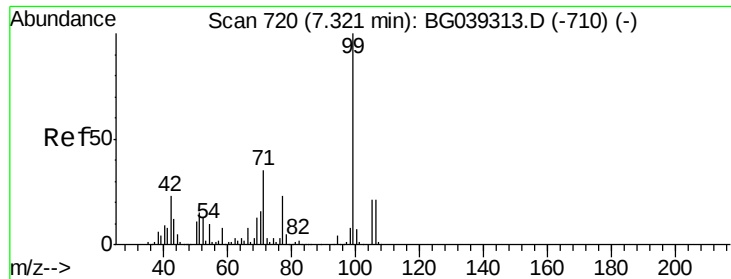
2-Fluorophenol
Concen: 142.86 ng
RT: 5.72 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039394.D
Acq: 7 Feb 2019 22:55

Tgt Ion:112 Resp: 417989
Ion Ratio Lower Upper
112 100
64 68.1 57.8 86.8
63 35.4 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: 135.19 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039394.D

Acq: 7 Feb 2019 22:55

Instrument :

BNA_G

ClientSampleId :

PB116922BL

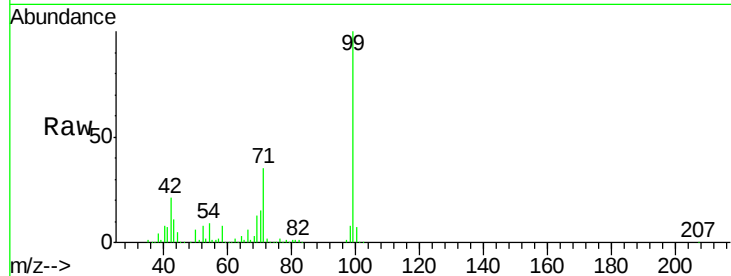
Tot Ion: 99 Resp: 582226

Ion Ratio Lower Upper

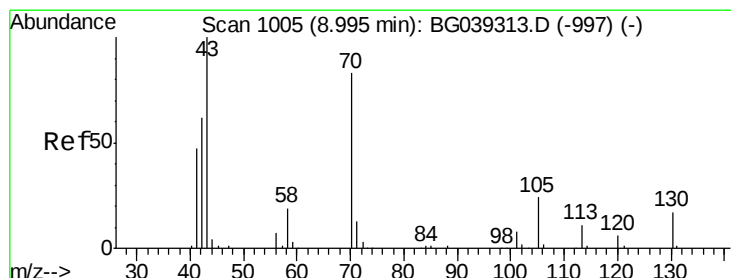
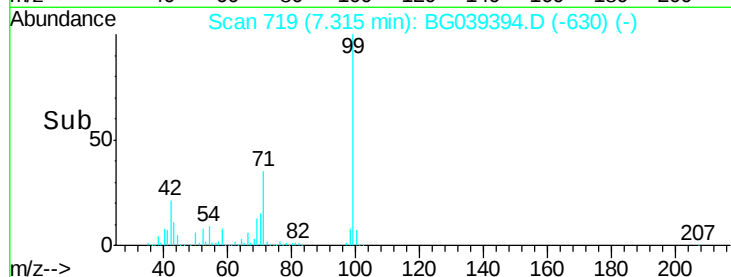
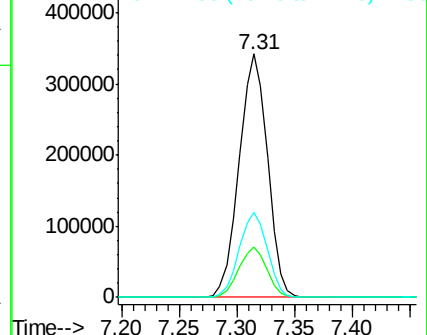
99 100

42 20.6 18.2 27.2

71 34.8 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: 13.88 ng

RT: 9.35 min Scan# 1066

Delta R.T. 0.36 min

Lab File: BG039394.D

Acq: 7 Feb 2019 22:55

Tgt Ion: 70 Resp: 42423

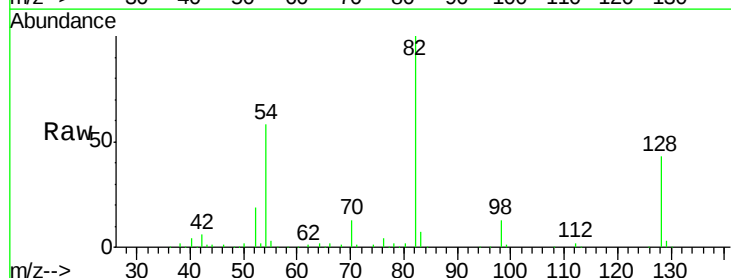
Ion Ratio Lower Upper

70 100

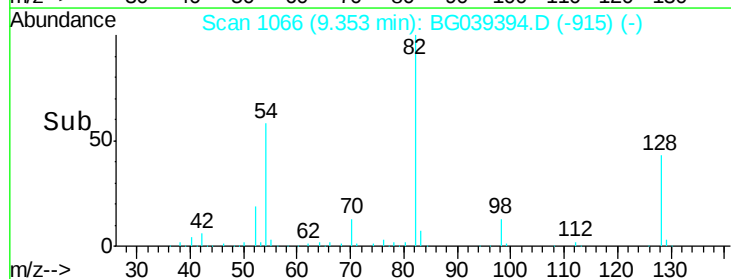
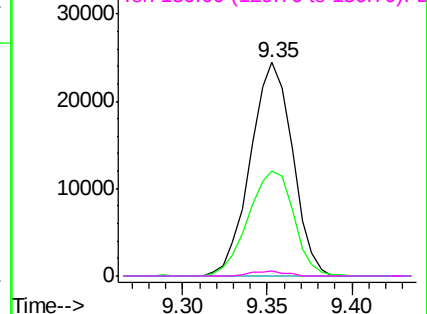
42 49.0 60.4 90.6#

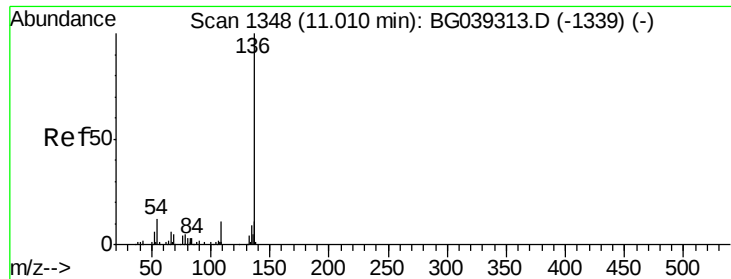
101 0.0 7.5 11.3#

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: 20.00 ng

RT: 11.00 min Scan# 1346

Delta R.T. -0.01 min

Lab File: BG039394.D

Acq: 7 Feb 2019 22:55

Instrument :

BNA_G

ClientSampleId :

PB116922BL

Tot Ion:136 Resp: 215787

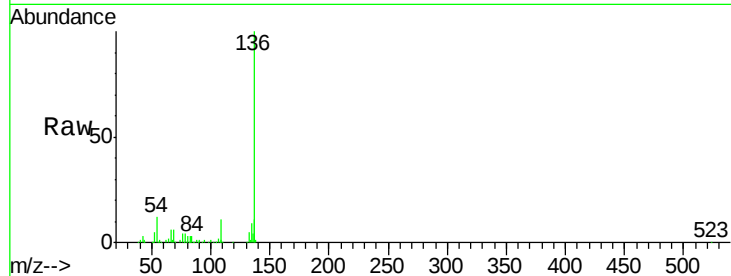
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 11.6 9.4 14.2

68 6.3 4.2 6.4

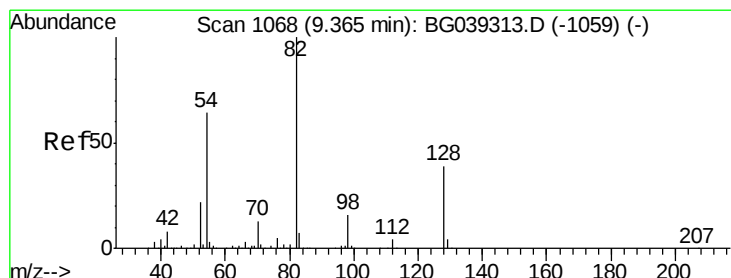
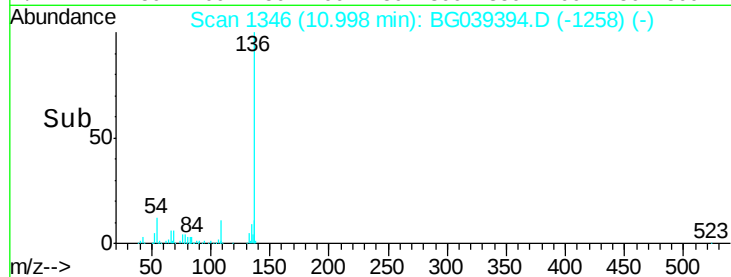
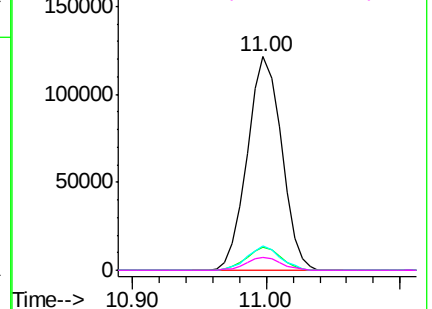


Abundance Ion 136.00 (135.70 to 136.70): E

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: 96.67 ng

RT: 9.35 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BG039394.D

Acq: 7 Feb 2019 22:55

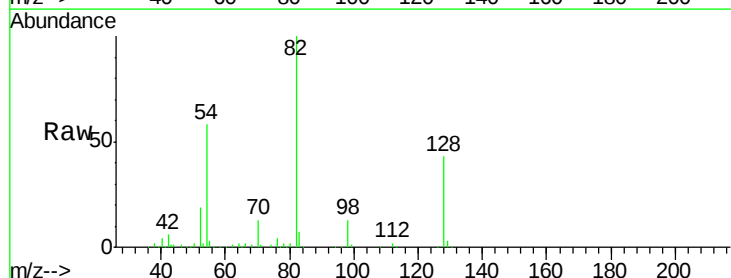
Tgt Ion: 82 Resp: 333922

Ion Ratio Lower Upper

82 100

128 42.5 31.3 46.9

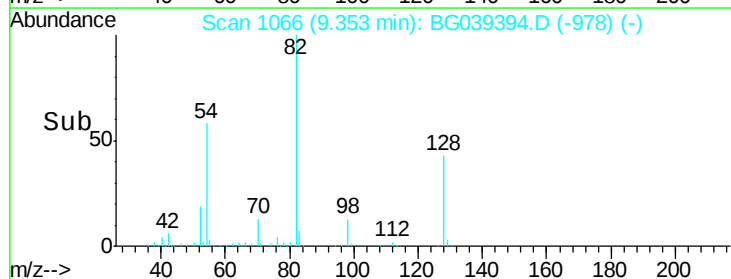
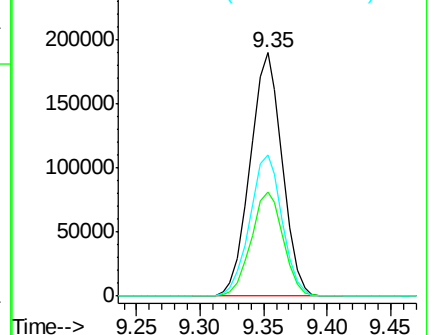
54 57.9 50.9 76.3

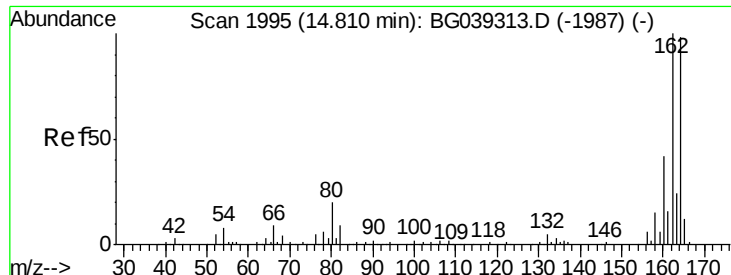


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BG039394.D

Acq: 7 Feb 2019 22:55

Instrument :

BNA_G

ClientSampleId :

PB116922BL

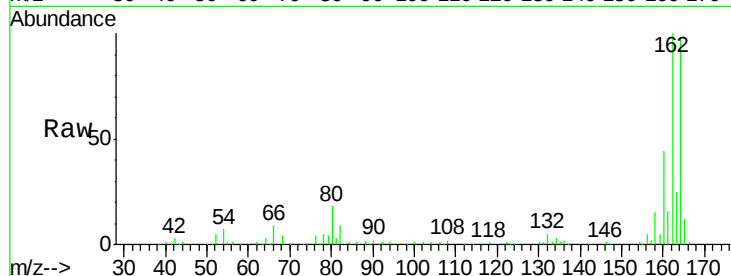
Tot Ion:164 Resp: 139650

Ion Ratio Lower Upper

164 100

162 102.0 81.6 122.4

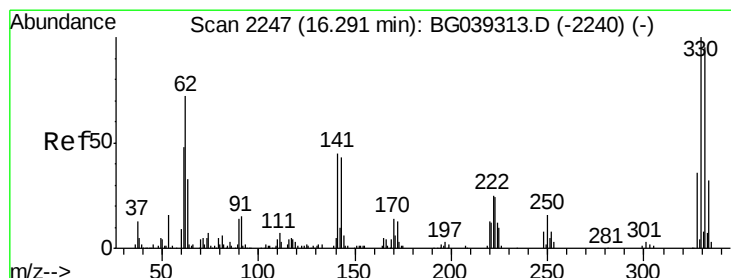
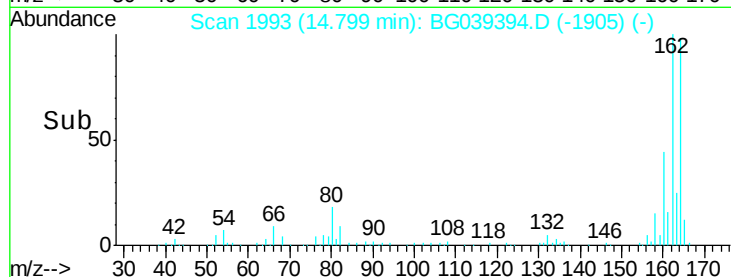
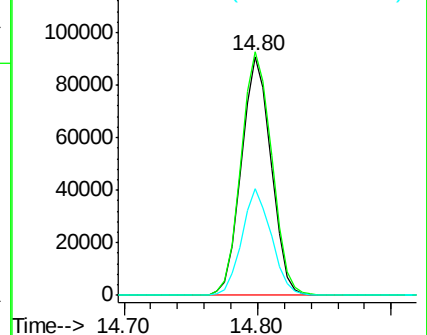
160 45.0 34.2 51.2



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: 136.64 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039394.D

Acq: 7 Feb 2019 22:55

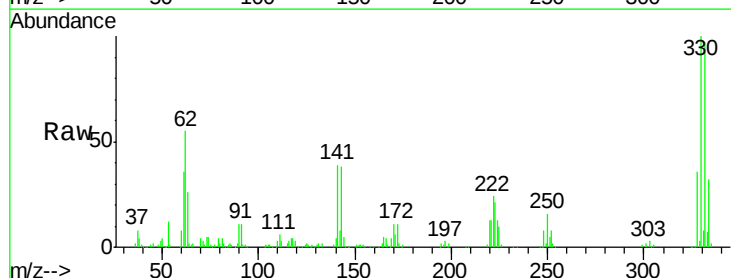
Tgt Ion:330 Resp: 205475

Ion Ratio Lower Upper

330 100

332 95.7 75.7 113.5

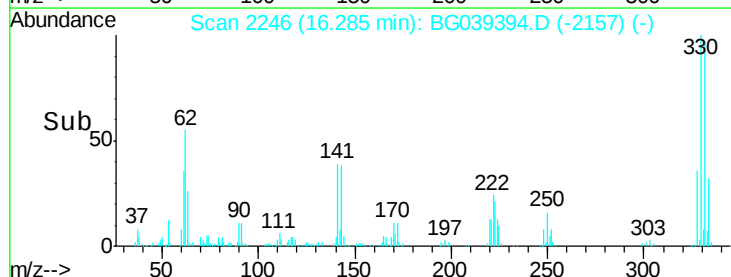
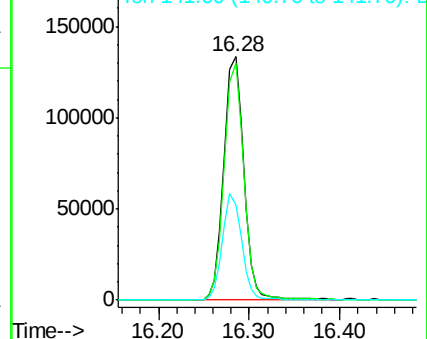
141 42.1 35.6 53.4



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

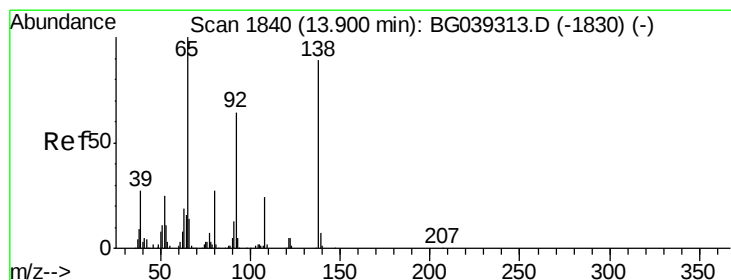
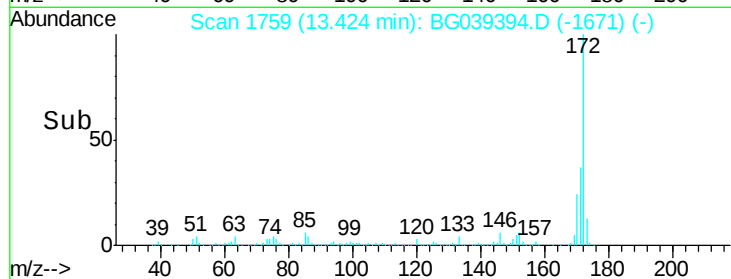
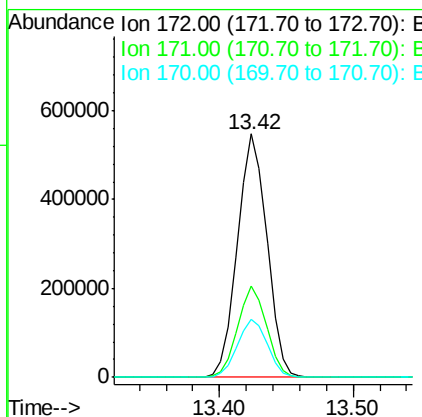
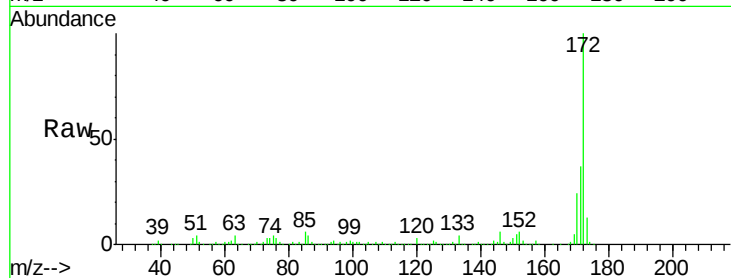




#45
2-Fluorobiphenyl
Concen: 85.93 ng
RT: 13.42 min Scan# 1759
Delta R.T. -0.01 min
Lab File: BG039394.D
Acq: 7 Feb 2019 22:55

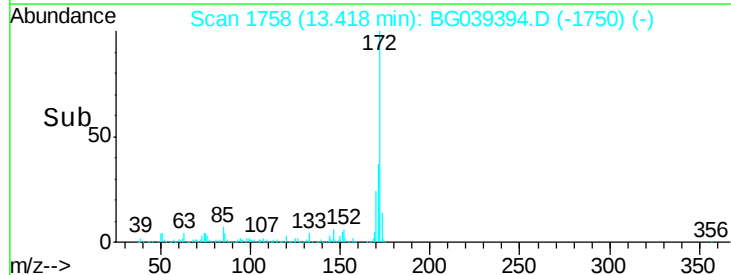
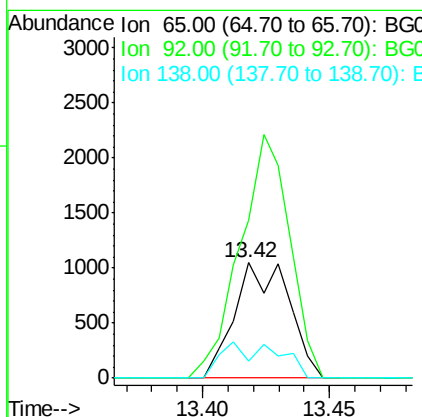
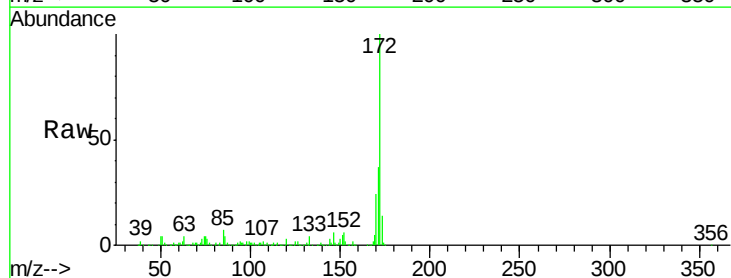
Instrument :
BNA_G
ClientSampleId :
PB116922BL

Tot Ion:172 Resp: 836532
Ion Ratio Lower Upper
172 100
171 37.3 30.8 46.2
170 23.9 20.2 30.4



#48
2-Nitroaniline
Concen: 8.81 ng
RT: 13.42 min Scan# 1758
Delta R.T. -0.48 min
Lab File: BG039394.D
Acq: 7 Feb 2019 22:55

Tgt Ion: 65 Resp: 1570
Ion Ratio Lower Upper
65 100
92 136.8 51.4 77.2#
138 14.7 71.4 107.2#





#51

2,6-Dinitrotoluene

Concen: 13.39 ng

RT: 14.80 min Scan# 1993

Delta R.T. 0.41 min

Lab File: BG039394.D

Acq: 7 Feb 2019 22:55

Instrument :

BNA_G

ClientSampleId :

PB116922BL

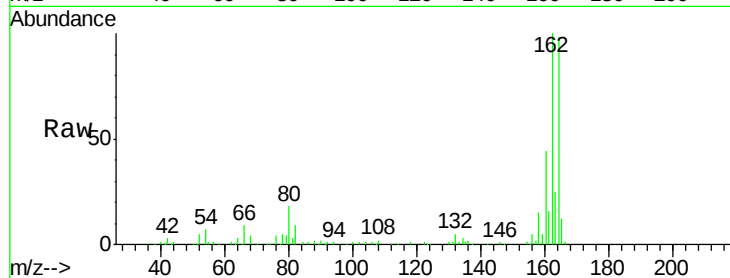
Tot Ion:165 Resp: 16680

Ion Ratio Lower Upper

165 100

63 2.3 47.0 70.6#

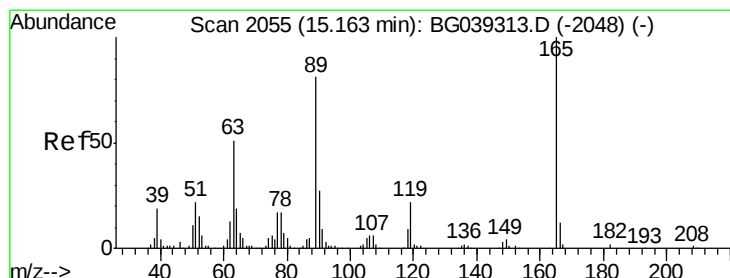
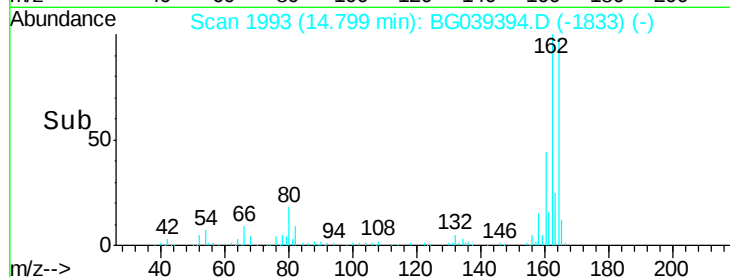
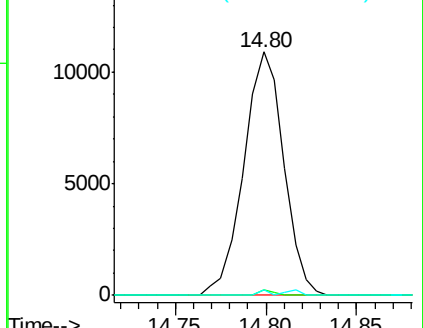
89 2.5 45.8 68.8#



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: 13.00 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.36 min

Lab File: BG039394.D

Acq: 7 Feb 2019 22:55

Tgt Ion:165 Resp: 16680

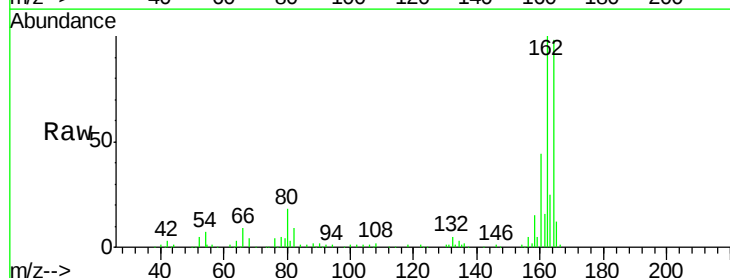
Ion Ratio Lower Upper

165 100

63 2.3 41.0 61.6#

89 2.5 64.6 96.8#

182 0.0 2.0 3.0#

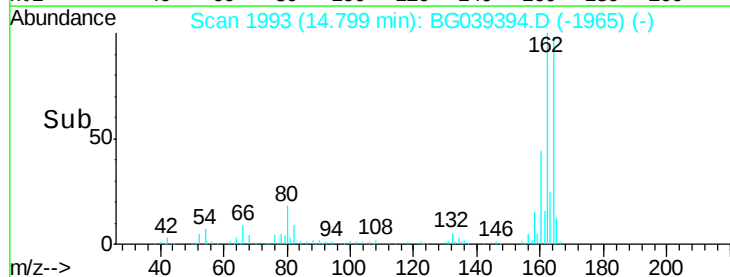
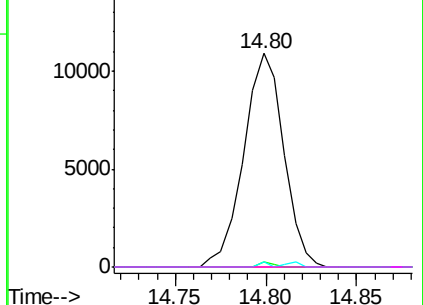


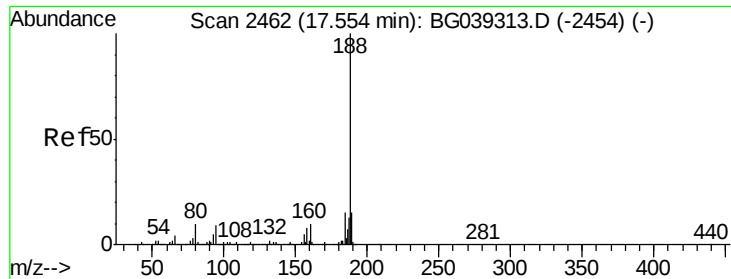
Abundance Ion 165.00 (164.70 to 165.70): E

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: 20.00 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG039394.D

Acq: 7 Feb 2019 22:55

Instrument :

BNA_G

ClientSampleId :

PB116922BL

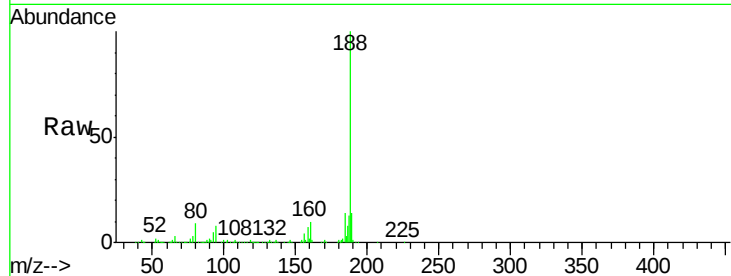
Tot Ion:188 Resp: 349194

Ion Ratio Lower Upper

188 100

94 7.7 6.9 10.3

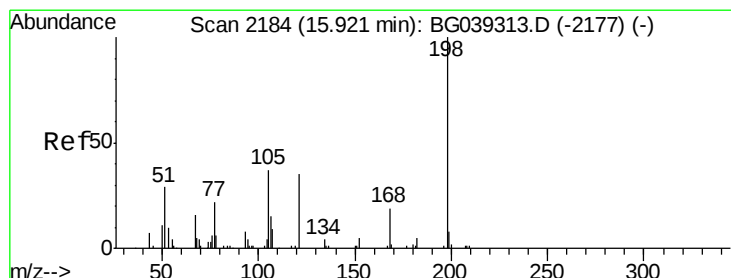
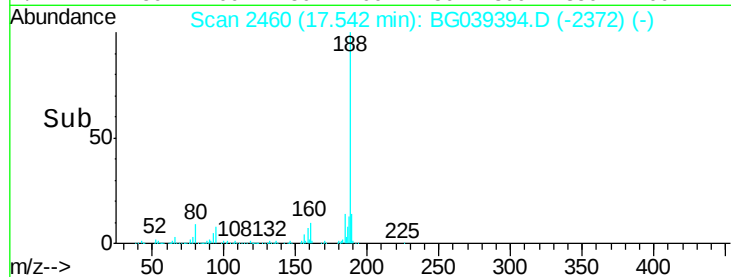
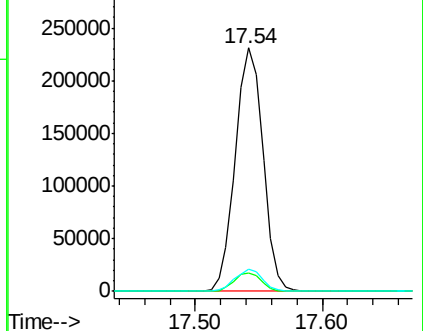
80 9.1 8.1 12.1



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: 4.83 ng

RT: 16.28 min Scan# 2246

Delta R.T. 0.36 min

Lab File: BG039394.D

Acq: 7 Feb 2019 22:55

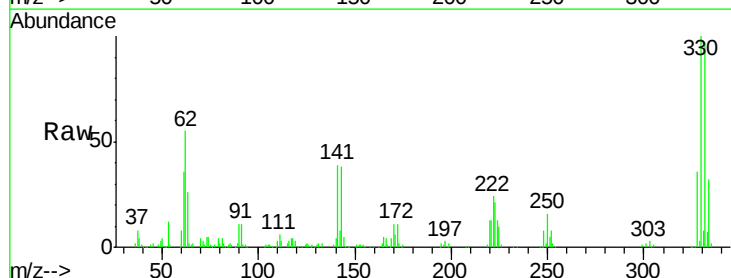
Tgt Ion:198 Resp: 712

Ion Ratio Lower Upper

198 100

51 97.3 27.4 67.4#

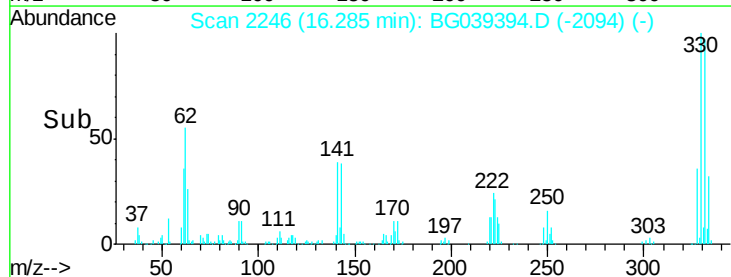
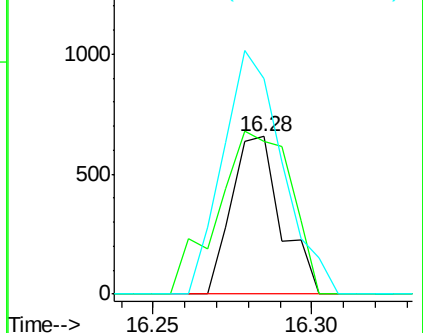
105 136.5 19.7 59.7#

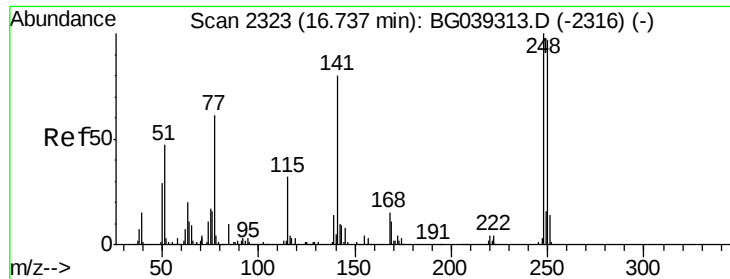


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

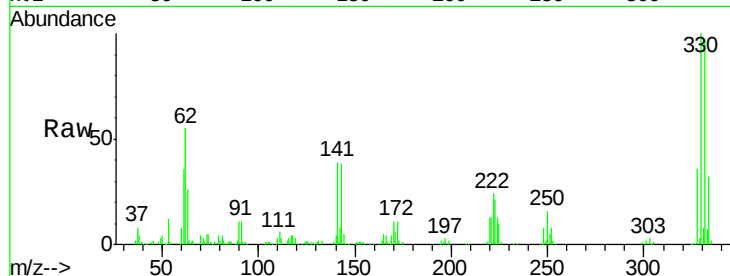




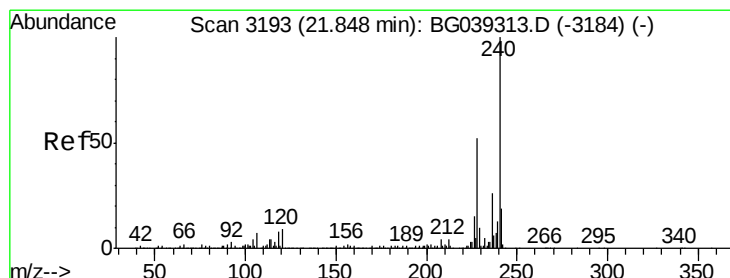
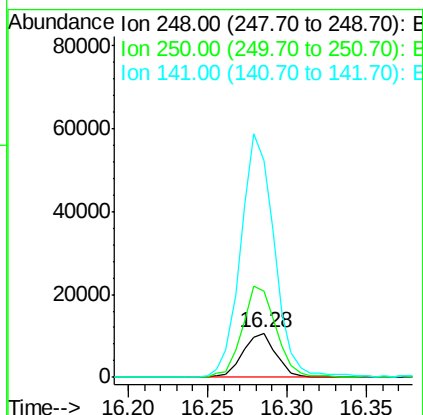
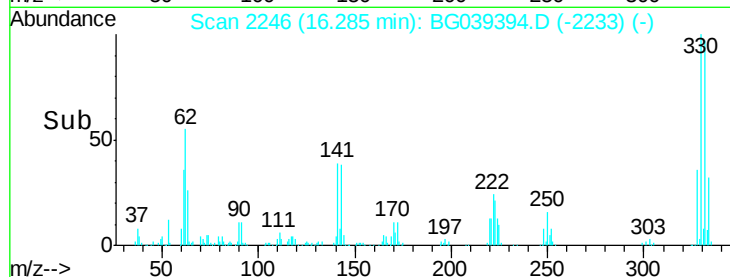
#67
4-Bromophenyl-phenylether
Concen: 3.99 ng
RT: 16.28 min Scan# 2246
Delta R.T. -0.45 min
Lab File: BG039394.D
Acq: 7 Feb 2019 22:55

Instrument :
BNA_G
ClientSampleId :
PB116922BL

Tot Ion:248 Resp: 15471
Ion Ratio Lower Upper
248 100
250 197.7 77.6 116.4#
141 493.1 63.9 95.9#

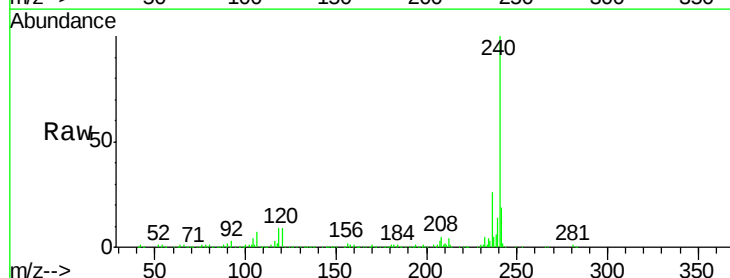


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

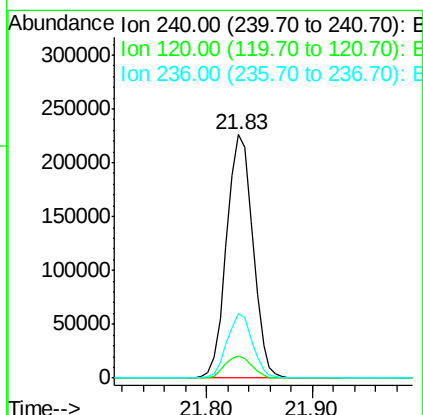
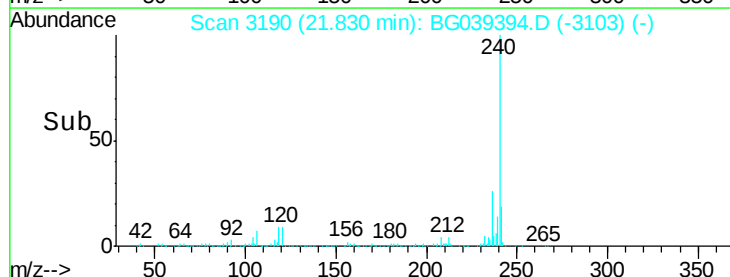


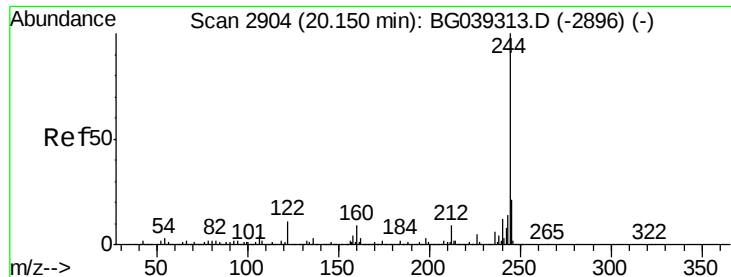
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.83 min Scan# 3190
Delta R.T. -0.02 min
Lab File: BG039394.D
Acq: 7 Feb 2019 22:55

Tgt Ion:240 Resp: 388458
Ion Ratio Lower Upper
240 100
120 8.9 7.0 10.6
236 26.3 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: 76.38 ng

RT: 20.14 min Scan# 2902

Delta R.T. -0.01 min

Lab File: BG039394.D

Acq: 7 Feb 2019 22:55

Instrument :

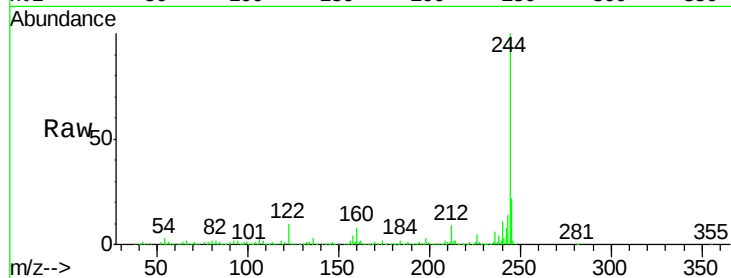
BNA_G

ClientSampleId :

PB116922BL

Tot Ion:244 Resp: 1401776

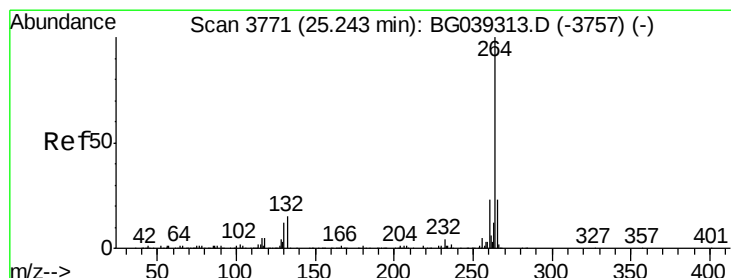
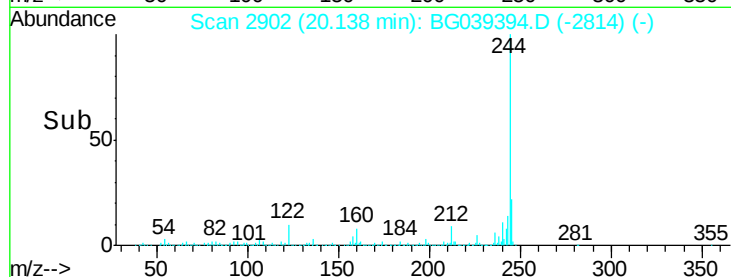
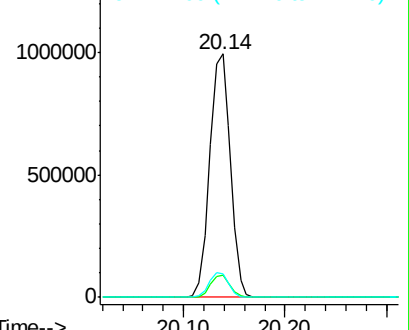
Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.3	10.9
122	9.6	8.4	12.6



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: 20.00 ng

RT: 25.21 min Scan# 3766

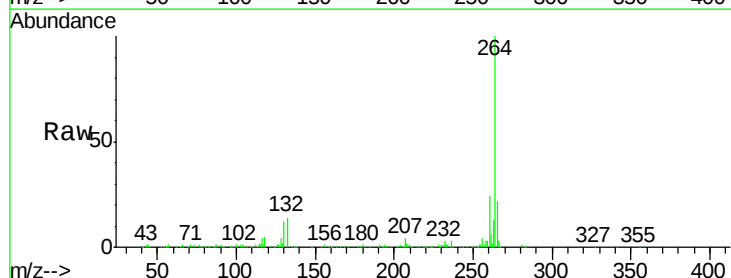
Delta R.T. -0.03 min

Lab File: BG039394.D

Acq: 7 Feb 2019 22:55

Tgt Ion:264 Resp: 378674

Ion	Ratio	Lower	Upper
264	100		
260	24.3	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

