

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020719\
 Data File : BG039393.D
 Acq On : 7 Feb 2019 22:15
 Operator : JU/SJ
 Sample : K1392-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
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Quant Time: Feb 08 09:14:44 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

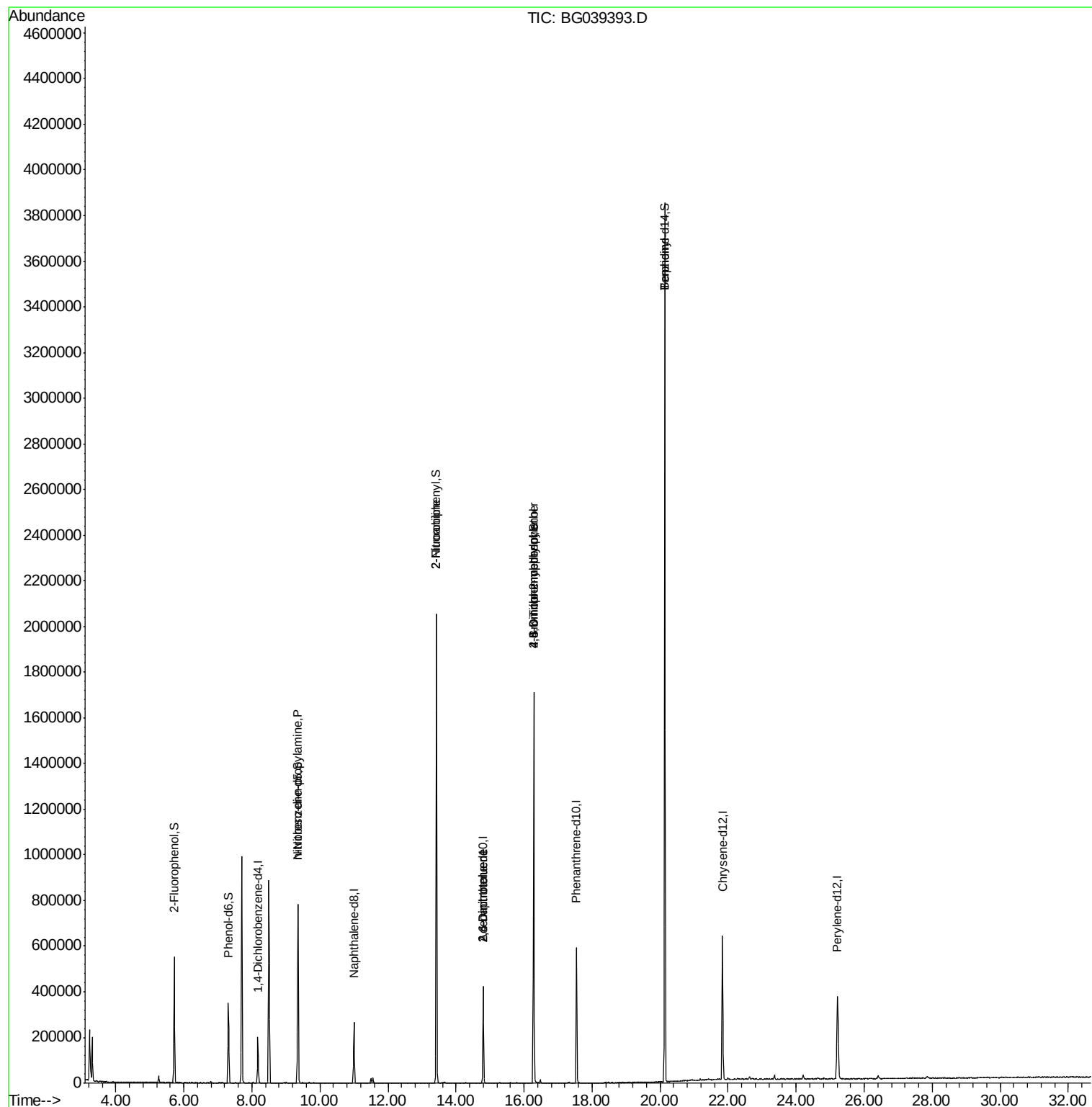
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	54120	20.00	ng	0.00
21) Naphthalene-d8	11.00	136	228449	20.00	ng	-0.01
39) Acenaphthene-d10	14.80	164	150169	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	368620	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	402005	20.00	ng	-0.02
87) Perylene-d12	25.21	264	406234	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	232525	73.53	ng	0.00
7) Phenol-d6	7.31	99	200387	43.05	ng	-0.01
23) Nitrobenzene-d5	9.35	82	453808	124.10	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	293459	181.48	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	1099963	105.08	ng	-0.01
79) Terphenyl-d14	20.14	244	1778184	93.63	ng	-0.01
Target Compounds						
9) Benzaldehyde	7.31	77	607	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.35	70	60309	18.26	ng	# 69
48) 2-Nitroaniline	13.43	65	1827	8.86	ng	# 1
51) 2,6-Dinitrotoluene	14.80	165	18600	13.64	ng	# 24
57) 2,4-Dinitrotoluene	14.80	165	18600	13.19	ng	# 19
65) 4,6-Dinitro-2-methylphenol	16.28	198	862	4.92	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	22965	5.62	ng	# 1
77) Benzidine	20.14	184	33042	2.51	ng	# 93

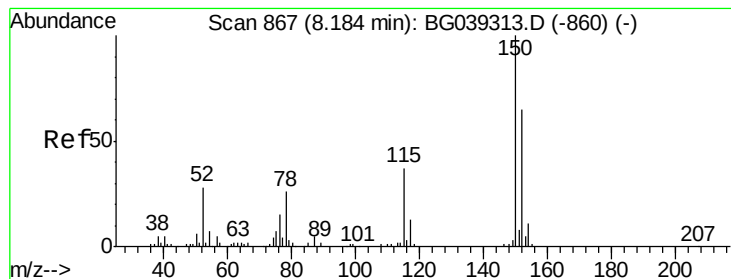
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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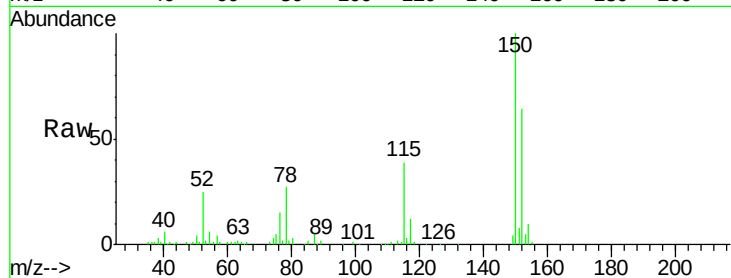


#1

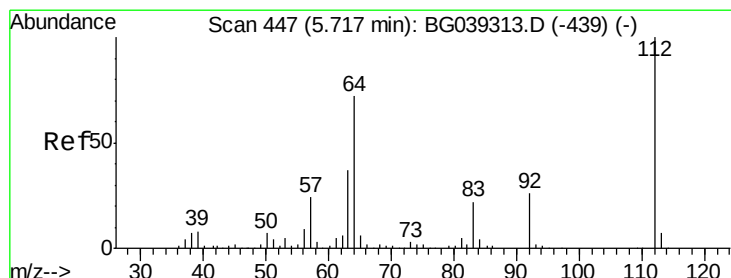
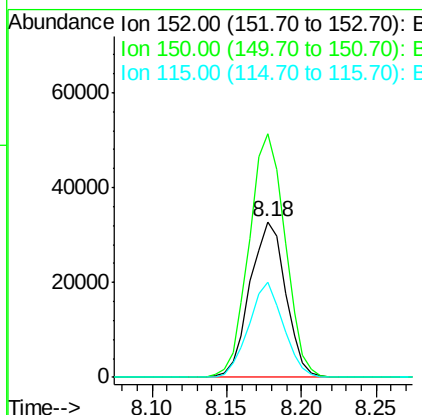
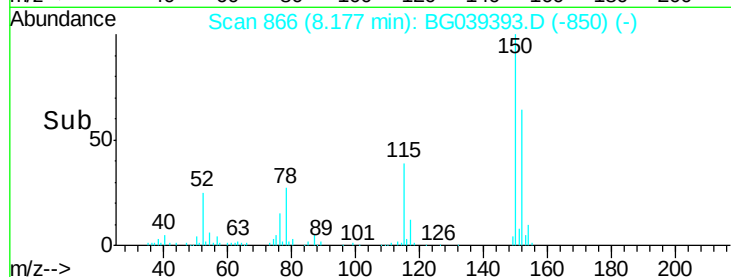
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.18 min Scan# 866
Delta R.T. -0.01 min
Lab File: BG039393.D
Acq: 7 Feb 2019 22:15

Instrument :
BNA_G
ClientSampleId :
FIELD-BLANK

Tot Ion:152 Resp: 54120
Ion Ratio Lower Upper
152 100
150 156.3 123.7 185.5
115 61.1 45.9 68.9



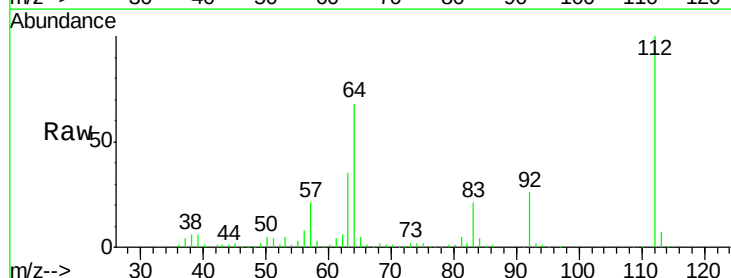
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



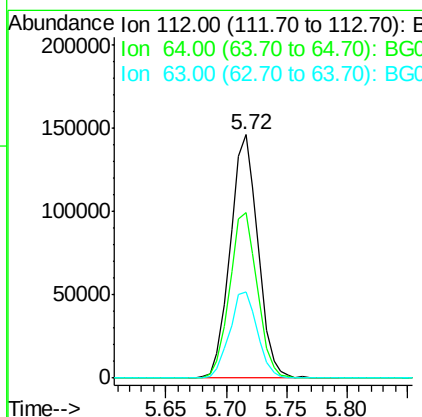
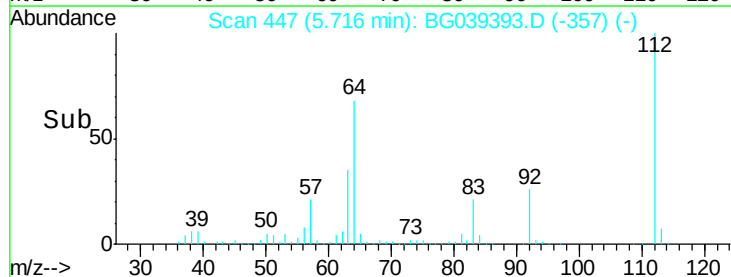
#5

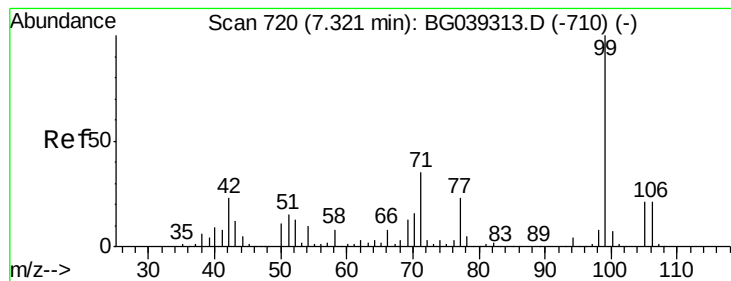
2-Fluorophenol
Concen: 73.53 ng
RT: 5.72 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039393.D
Acq: 7 Feb 2019 22:15

Tgt Ion:112 Resp: 232525
Ion Ratio Lower Upper
112 100
64 67.9 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: 43.05 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BG039393.D

Acq: 7 Feb 2019 22:15

Instrument :

BNA_G

ClientSampleId :

FIELD-BLANK

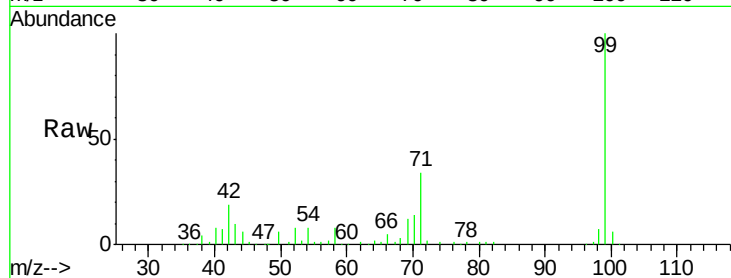
Tot Ion: 99 Resp: 200387

Ion Ratio Lower Upper

99 100

42 19.0 18.2 27.2

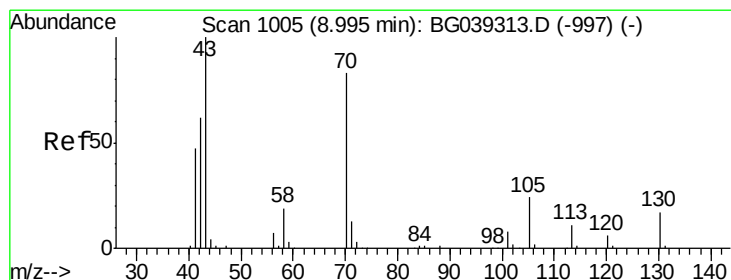
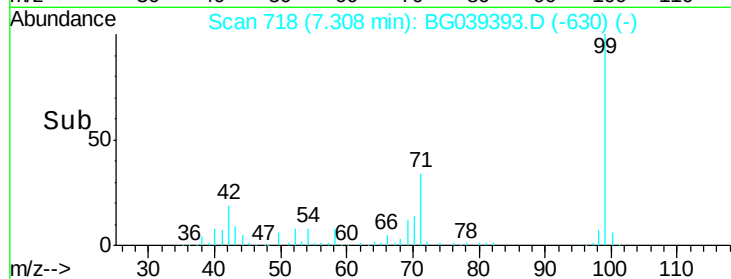
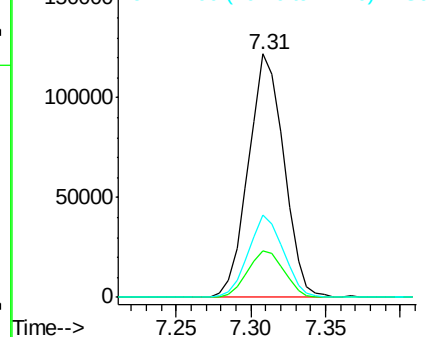
71 33.8 28.0 42.0



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: 18.26 ng

RT: 9.35 min Scan# 1066

Delta R.T. 0.36 min

Lab File: BG039393.D

Acq: 7 Feb 2019 22:15

Tgt Ion: 70 Resp: 60309

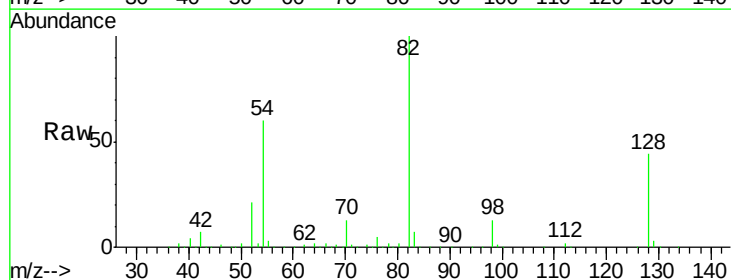
Ion Ratio Lower Upper

70 100

42 51.5 60.4 90.6#

101 0.0 7.5 11.3#

130 1.4 16.9 25.3#

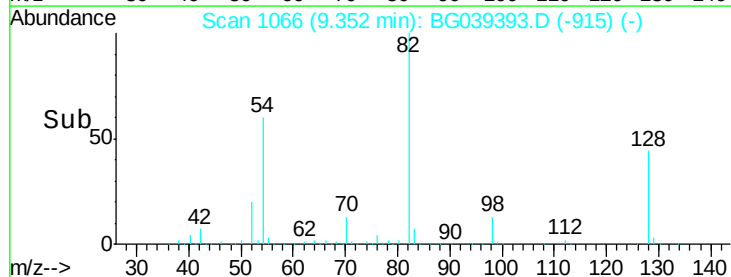
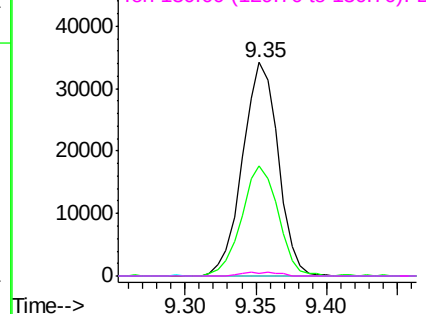


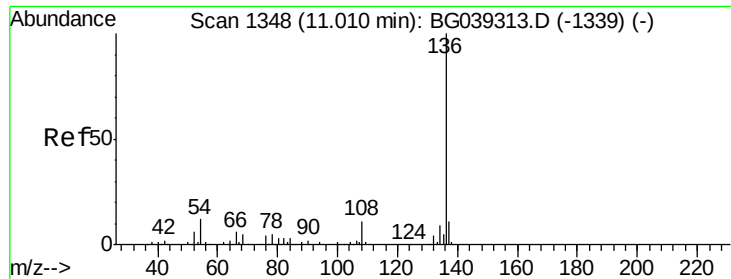
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

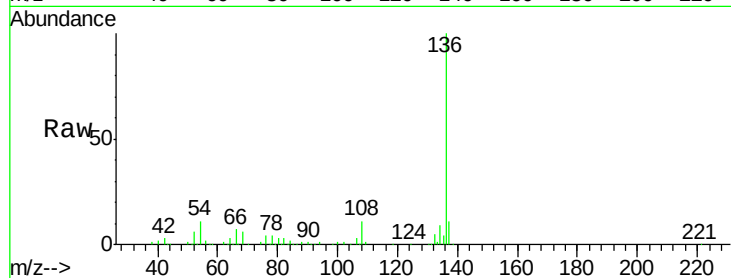




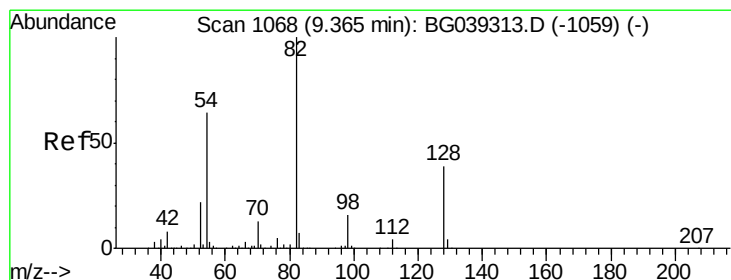
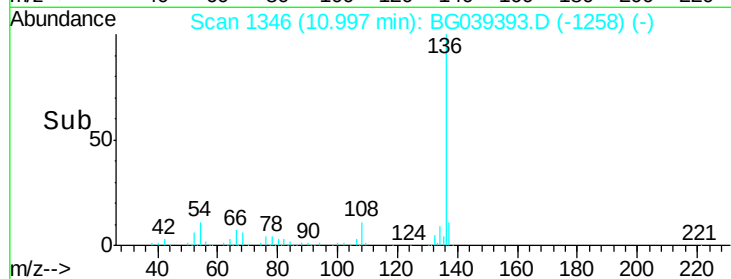
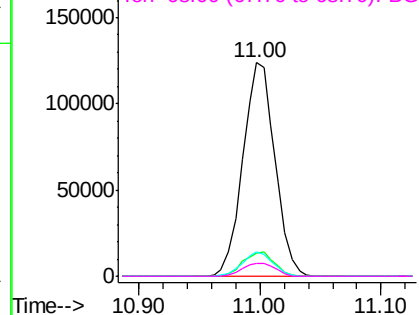
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BG039393.D
Acq: 7 Feb 2019 22:15

Instrument :
BNA_G
ClientSampleId :
FIELD-BLANK

Tot Ion:136	Resp:	228449
Ion Ratio	Lower	Upper
136	100	
137	10.8	9.1 13.7
54	11.4	9.4 14.2
68	6.1	4.2 6.4

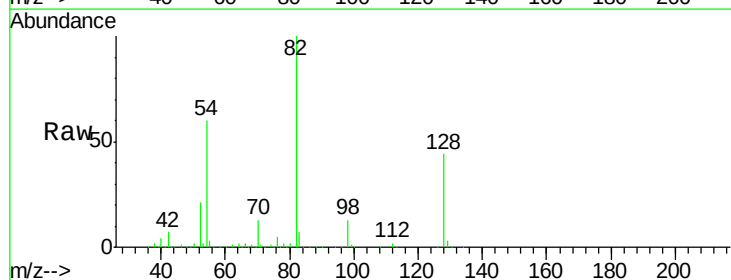


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

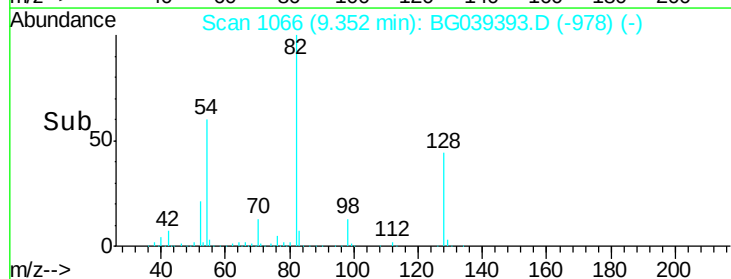
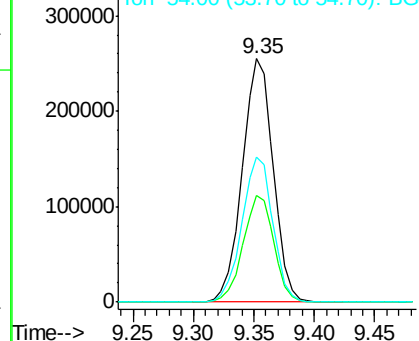


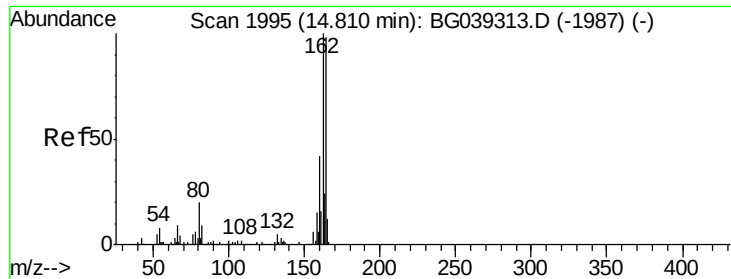
#23
Nitrobenzene-d5
Concen: 124.10 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BG039393.D
Acq: 7 Feb 2019 22:15

Tgt Ion: 82	Resp:	453808
Ion Ratio	Lower	Upper
82	100	
128	43.7	31.3 46.9
54	59.7	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: 20.00 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BG039393.D

Acq: 7 Feb 2019 22:15

Instrument :

BNA_G

ClientSampleId :

FIELD-BLANK

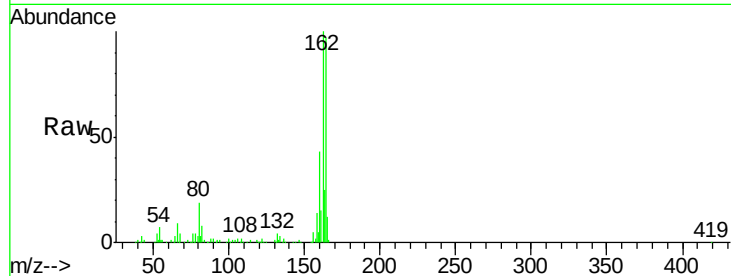
Tot Ion:164 Resp: 150169

Ion Ratio Lower Upper

164 100

162 102.7 81.6 122.4

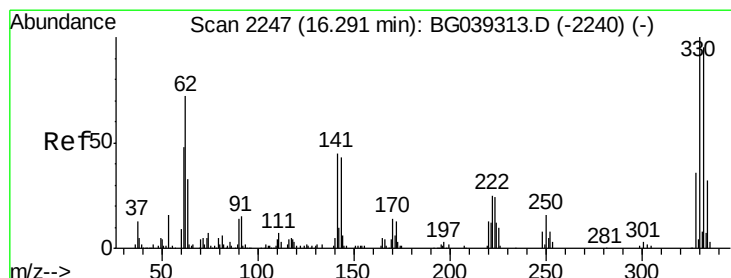
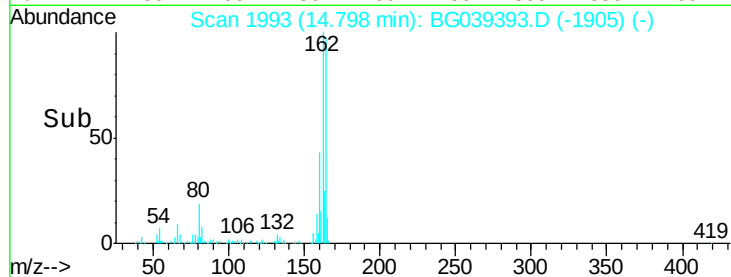
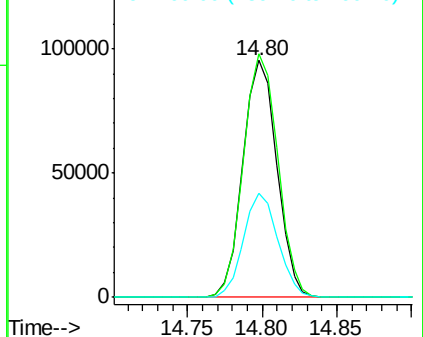
160 43.8 34.2 51.2



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: 181.48 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039393.D

Acq: 7 Feb 2019 22:15

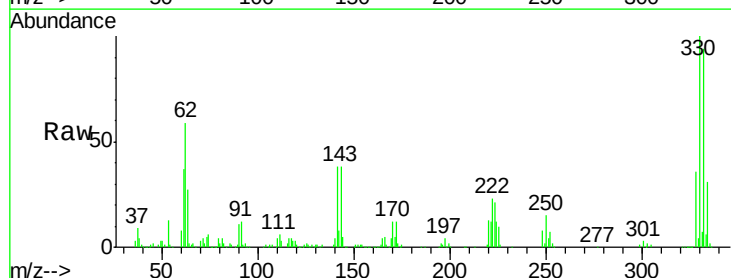
Tgt Ion:330 Resp: 293459

Ion Ratio Lower Upper

330 100

332 96.8 75.7 113.5

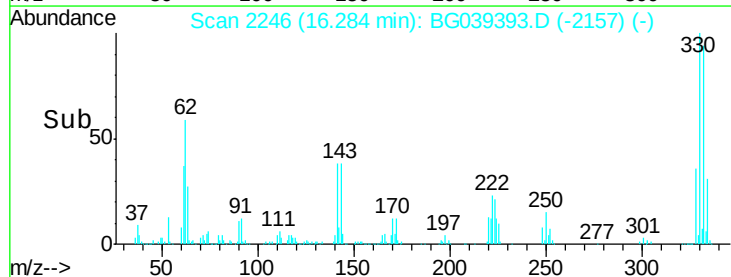
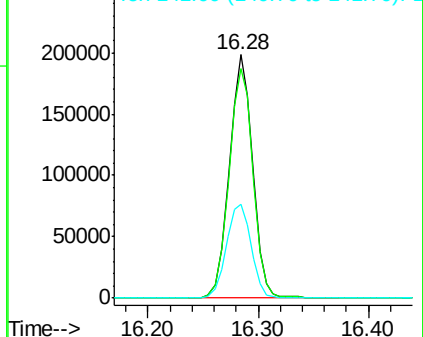
141 41.1 35.6 53.4

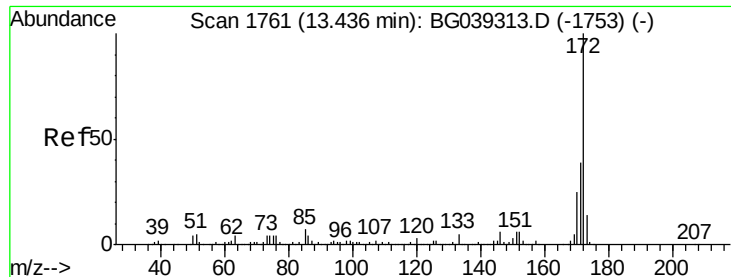


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

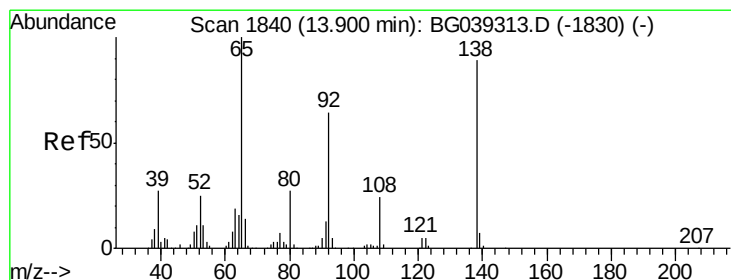
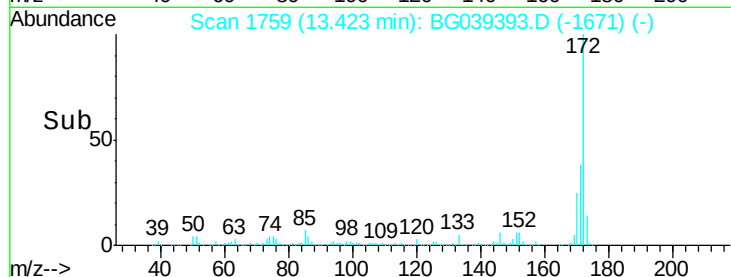
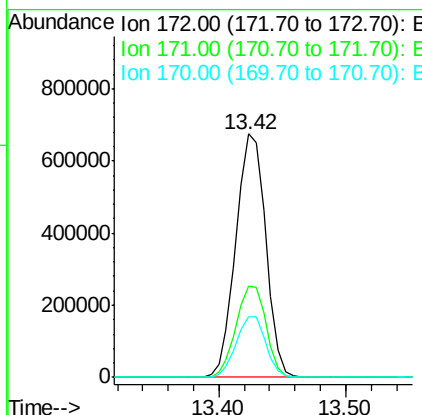
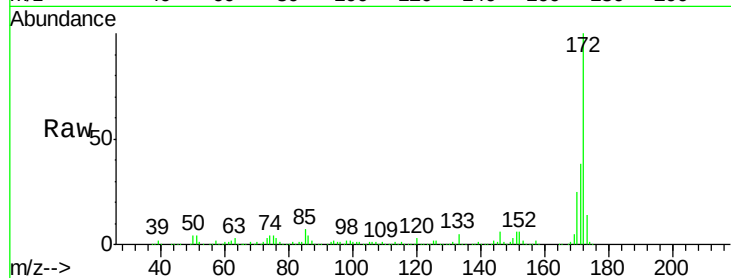




#45
2-Fluorobiphenyl
Concen: 105.08 ng
RT: 13.42 min Scan# 1759
Delta R.T. -0.01 min
Lab File: BG039393.D
Acq: 7 Feb 2019 22:15

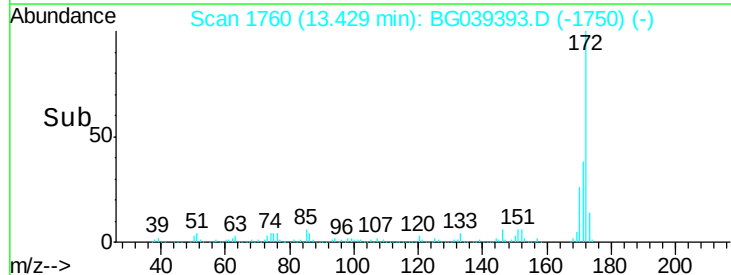
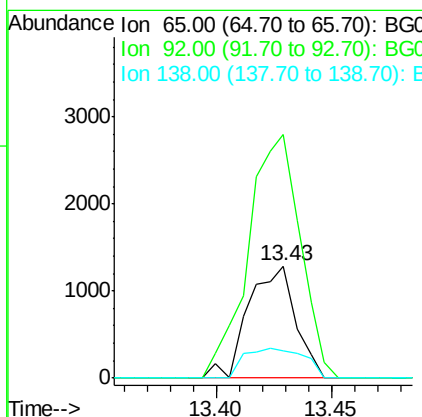
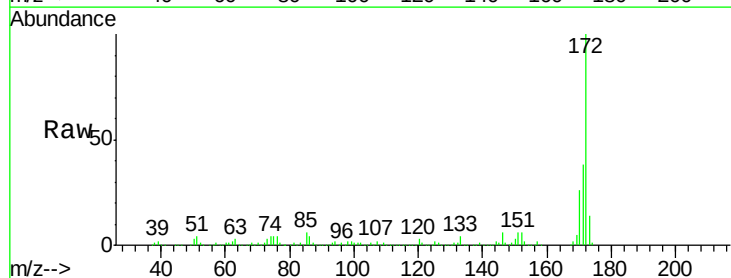
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BNA_G
ClientSampleId :
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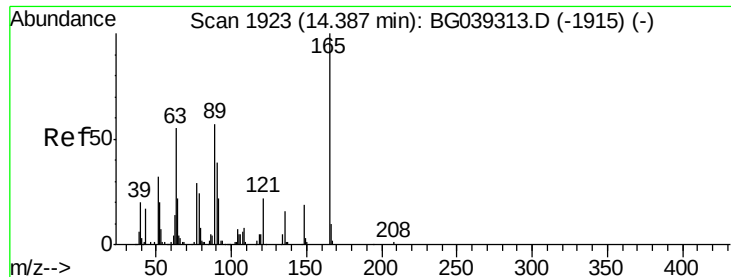
Tot Ion:172 Resp: 1099963
Ion Ratio Lower Upper
172 100
171 37.6 30.8 46.2
170 25.0 20.2 30.4



#48
2-Nitroaniline
Concen: 8.86 ng
RT: 13.43 min Scan# 1760
Delta R.T. -0.47 min
Lab File: BG039393.D
Acq: 7 Feb 2019 22:15

Tgt Ion: 65 Resp: 1827
Ion Ratio Lower Upper
65 100
92 216.9 51.4 77.2#
138 24.4 71.4 107.2#





#51

2,6-Dinitrotoluene

Concen: 13.64 ng

RT: 14.80 min Scan# 1993

Delta R.T. 0.41 min

Lab File: BG039393.D

Acq: 7 Feb 2019 22:15

Instrument :

BNA_G

ClientSampleId :

FIELD-BLANK

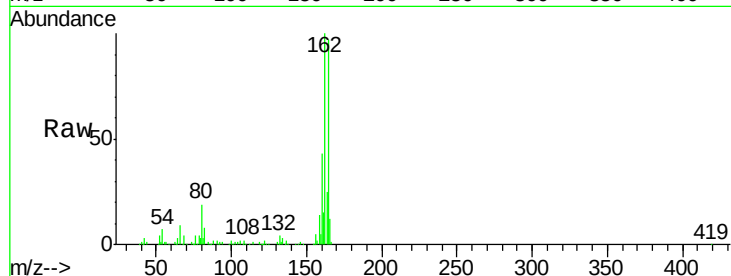
Tot Ion:165 Resp: 18600

Ion Ratio Lower Upper

165 100

63 2.6 47.0 70.6#

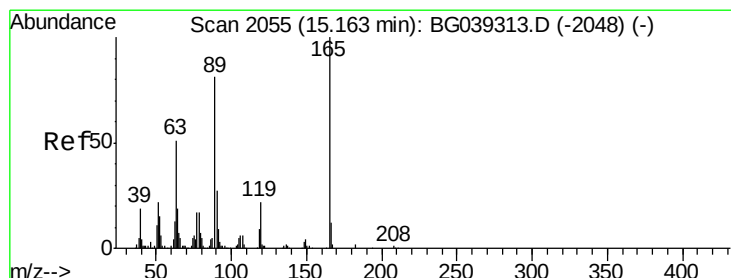
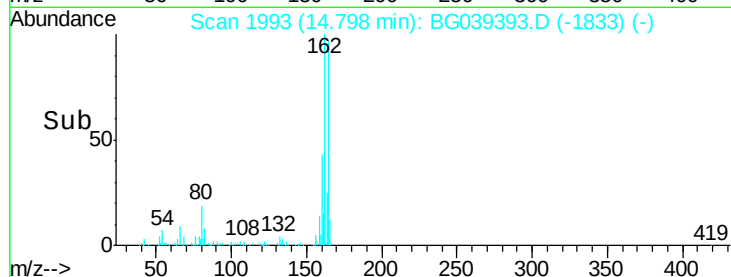
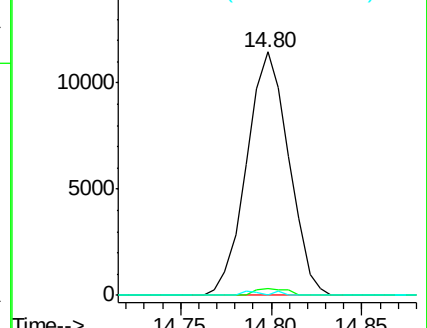
89 0.0 45.8 68.8#



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: 13.19 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.36 min

Lab File: BG039393.D

Acq: 7 Feb 2019 22:15

Tgt Ion:165 Resp: 18600

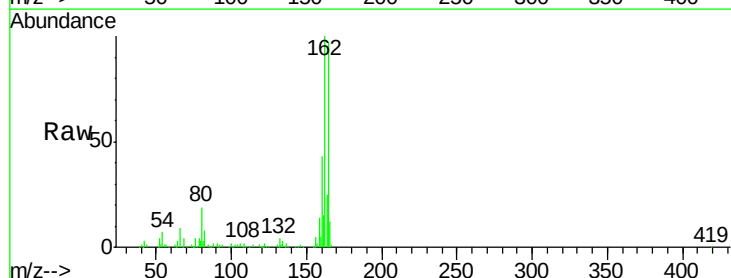
Ion Ratio Lower Upper

165 100

63 2.6 41.0 61.6#

89 0.0 64.6 96.8#

182 0.0 2.0 3.0#

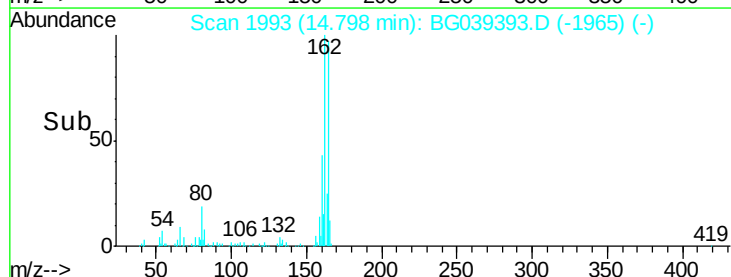
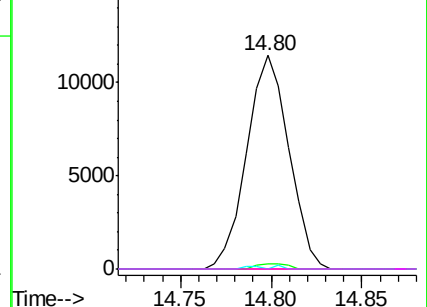


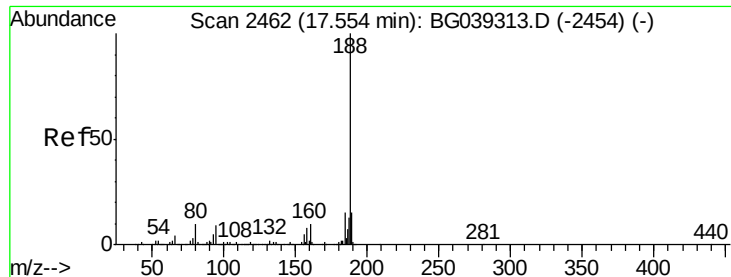
Abundance Ion 165.00 (164.70 to 165.70): E

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: 20.00 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG039393.D

Acq: 7 Feb 2019 22:15

Instrument :

BNA_G

ClientSampleId :

FIELD-BLANK

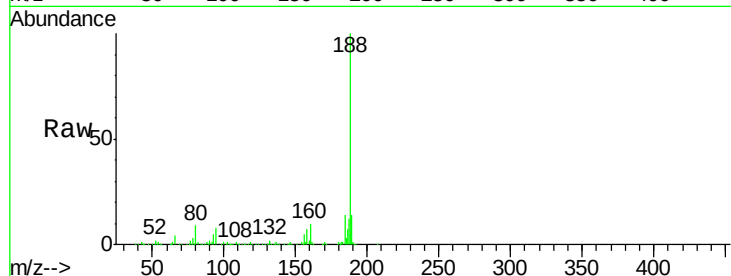
Tot Ion:188 Resp: 368620

Ion Ratio Lower Upper

188 100

94 8.1 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): BGC

Ion 80.00 (79.70 to 80.70): BGC

17.54

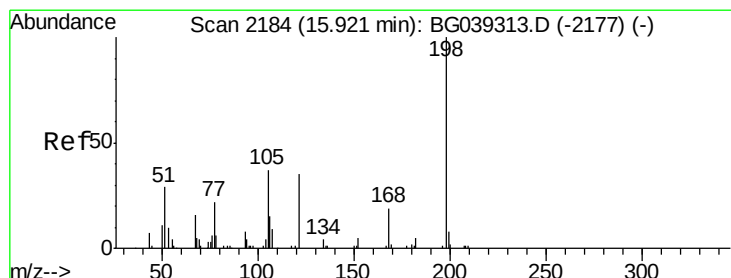
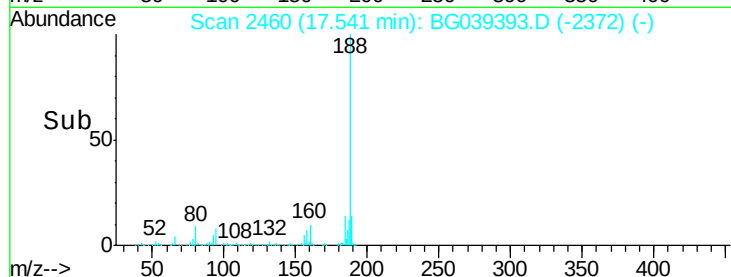
300000

200000

100000

0

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 4.92 ng

RT: 16.28 min Scan# 2246

Delta R.T. 0.36 min

Lab File: BG039393.D

Acq: 7 Feb 2019 22:15

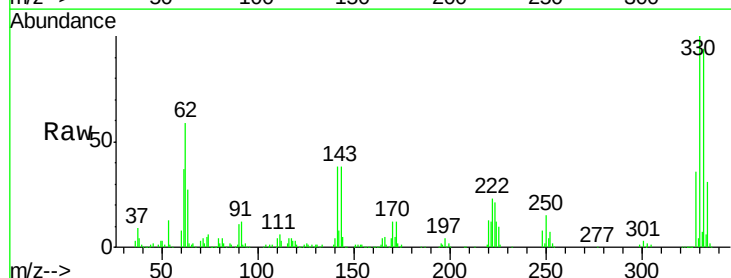
Tgt Ion:198 Resp: 862

Ion Ratio Lower Upper

198 100

51 173.8 27.4 67.4#

105 93.4 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

16.28

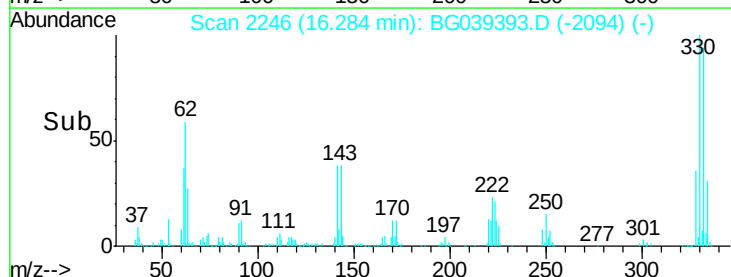
1500

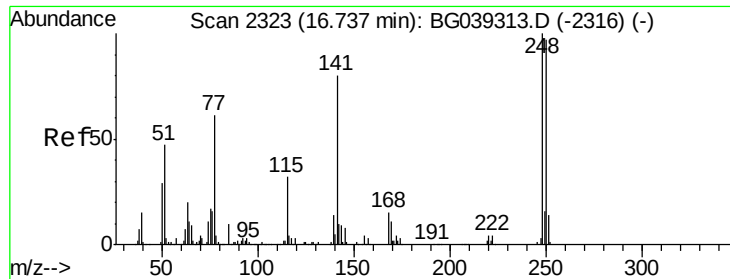
1000

500

0

Time-->

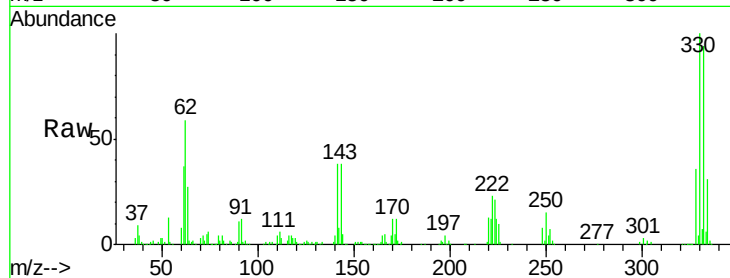




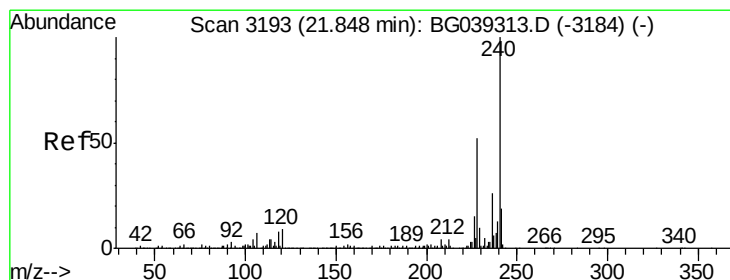
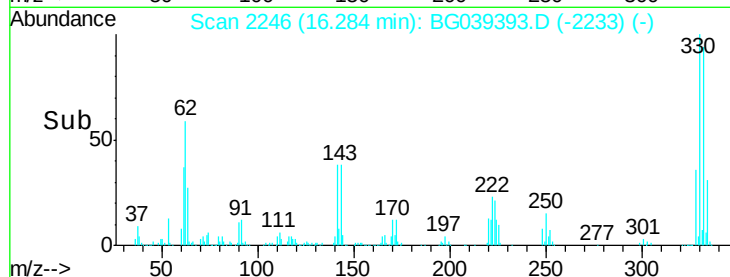
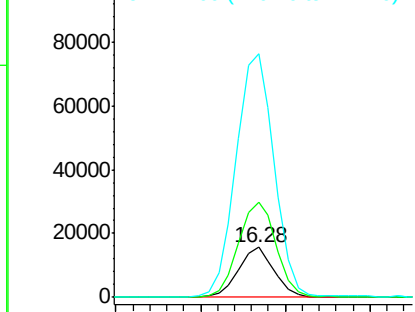
#67
4-Bromophenyl-phenylether
Concen: 5.62 ng
RT: 16.28 min Scan# 2246
Delta R.T. -0.45 min
Lab File: BG039393.D
Acq: 7 Feb 2019 22:15

Instrument :
BNA_G
ClientSampled :
FIELD-BLANK

Tot Ion:248 Resp: 22965
Ion Ratio Lower Upper
248 100
250 190.7 77.6 116.4#
141 486.0 63.9 95.9#

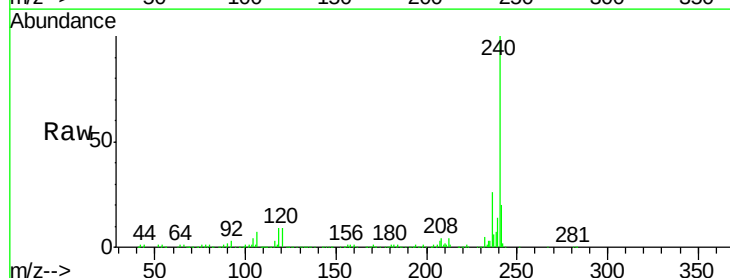


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

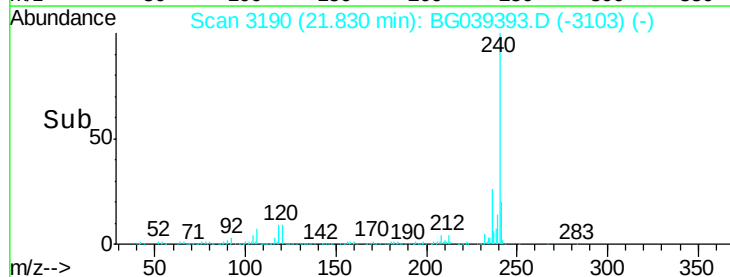
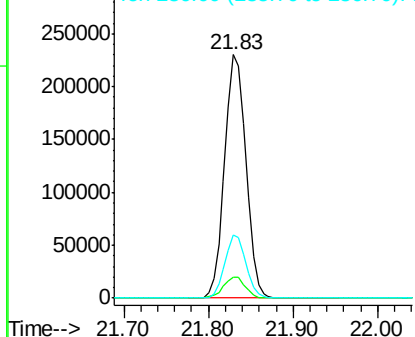


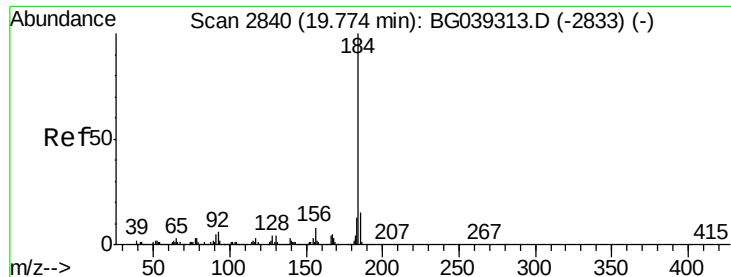
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.83 min Scan# 3190
Delta R.T. -0.02 min
Lab File: BG039393.D
Acq: 7 Feb 2019 22:15

Tgt Ion:240 Resp: 402005
Ion Ratio Lower Upper
240 100
120 8.8 7.0 10.6
236 26.0 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





#77

Benzidine

Concen: 2.51 ng

RT: 20.14 min Scan# 2902

Delta R.T. 0.36 min

Lab File: BG039393.D

Acq: 7 Feb 2019 22:15

Instrument :

BNA_G

ClientSampleId :

FIELD-BLANK

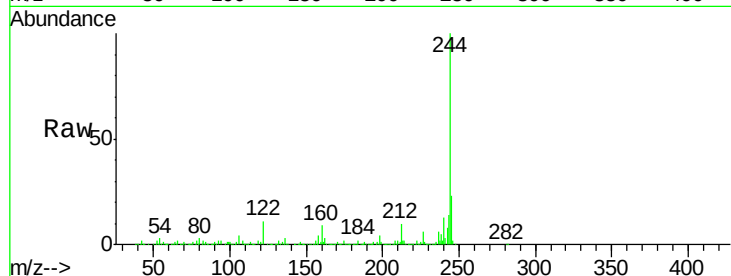
Tot Ion:184 Resp: 33042

Ion Ratio Lower Upper

184 100

185 16.6 12.2 18.2

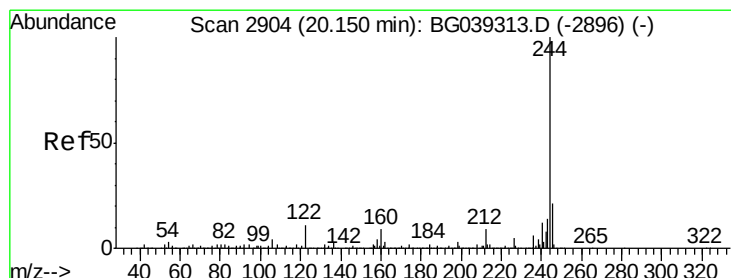
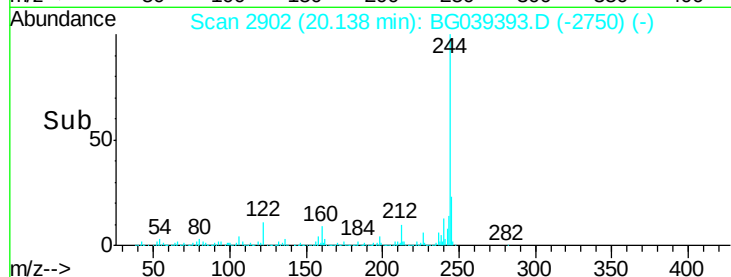
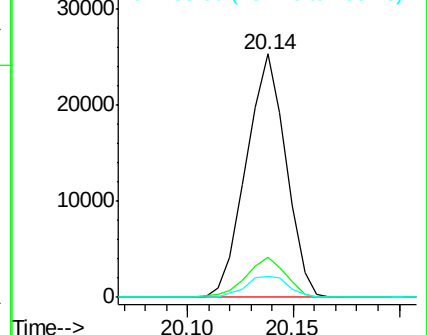
183 8.8 10.6 15.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 93.63 ng

RT: 20.14 min Scan# 2902

Delta R.T. -0.01 min

Lab File: BG039393.D

Acq: 7 Feb 2019 22:15

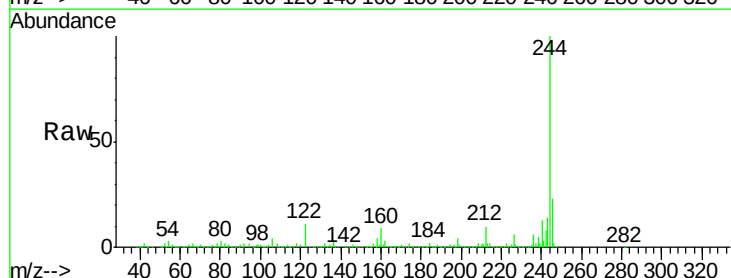
Tgt Ion:244 Resp: 1778184

Ion Ratio Lower Upper

244 100

212 10.1 7.3 10.9

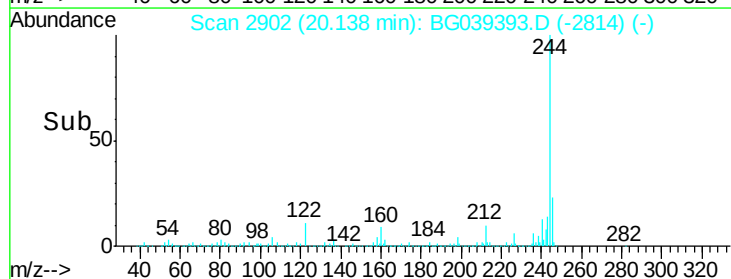
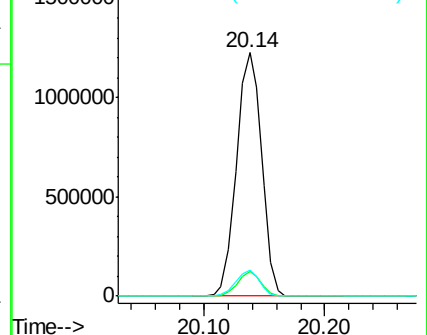
122 10.6 8.4 12.6

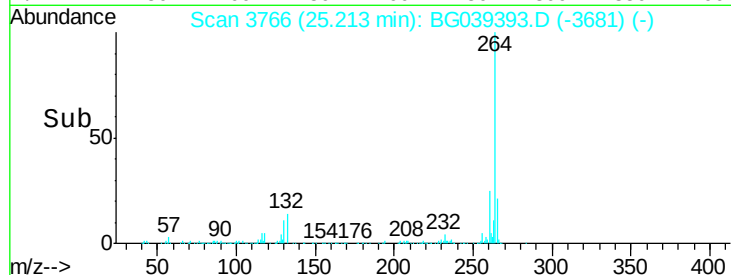
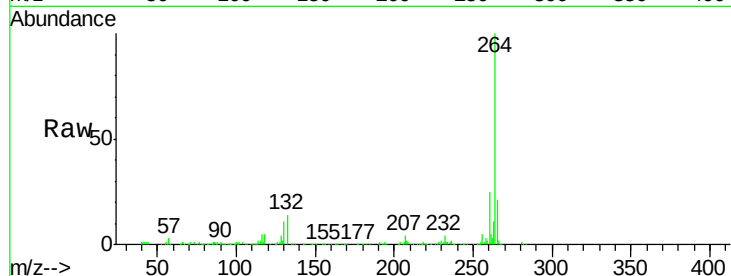
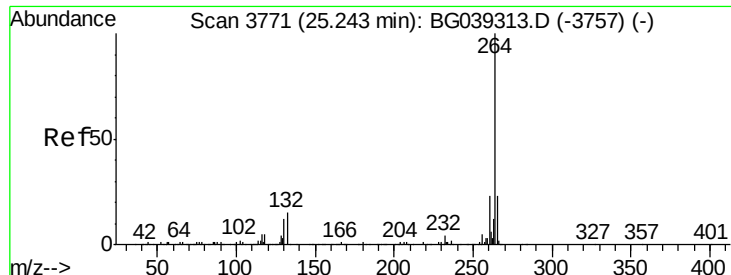


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.00 ng
RT: 25.21 min Scan# 3766
Delta R.T. -0.03 min
Lab File: BG039393.D
Acq: 7 Feb 2019 22:15

Instrument :
BNA_G
ClientSampleId :
FIELD-BLANK

Tot Ion:	264	Resp:	406234
Ion	Ratio	Lower	Upper
264	100		
260	25.1	18.2	27.4
265	21.4	18.5	27.7

