

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022619\
 Data File : BG039617.D
 Acq On : 27 Feb 2019 2:40
 Operator : JU/SJ
 Sample : K1597-12
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-22

Quant Time: Feb 27 06:35:56 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	64291	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	265932	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	178169	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	456507	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	483036	20.00	ng	-0.02
87) Perylene-d12	25.20	264	466374	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.72	112	472631	125.82	ng	0.00
7) Phenol-d6	7.31	99	614668	111.17	ng	0.00
23) Nitrobenzene-d5	9.35	82	450642	105.86	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	311618	162.42	ng	-0.01
45) 2-Fluorobiphenyl	13.41	172	1048324	84.41	ng	-0.02
79) Terphenyl-d14	20.13	244	1803235	79.02	ng	-0.02

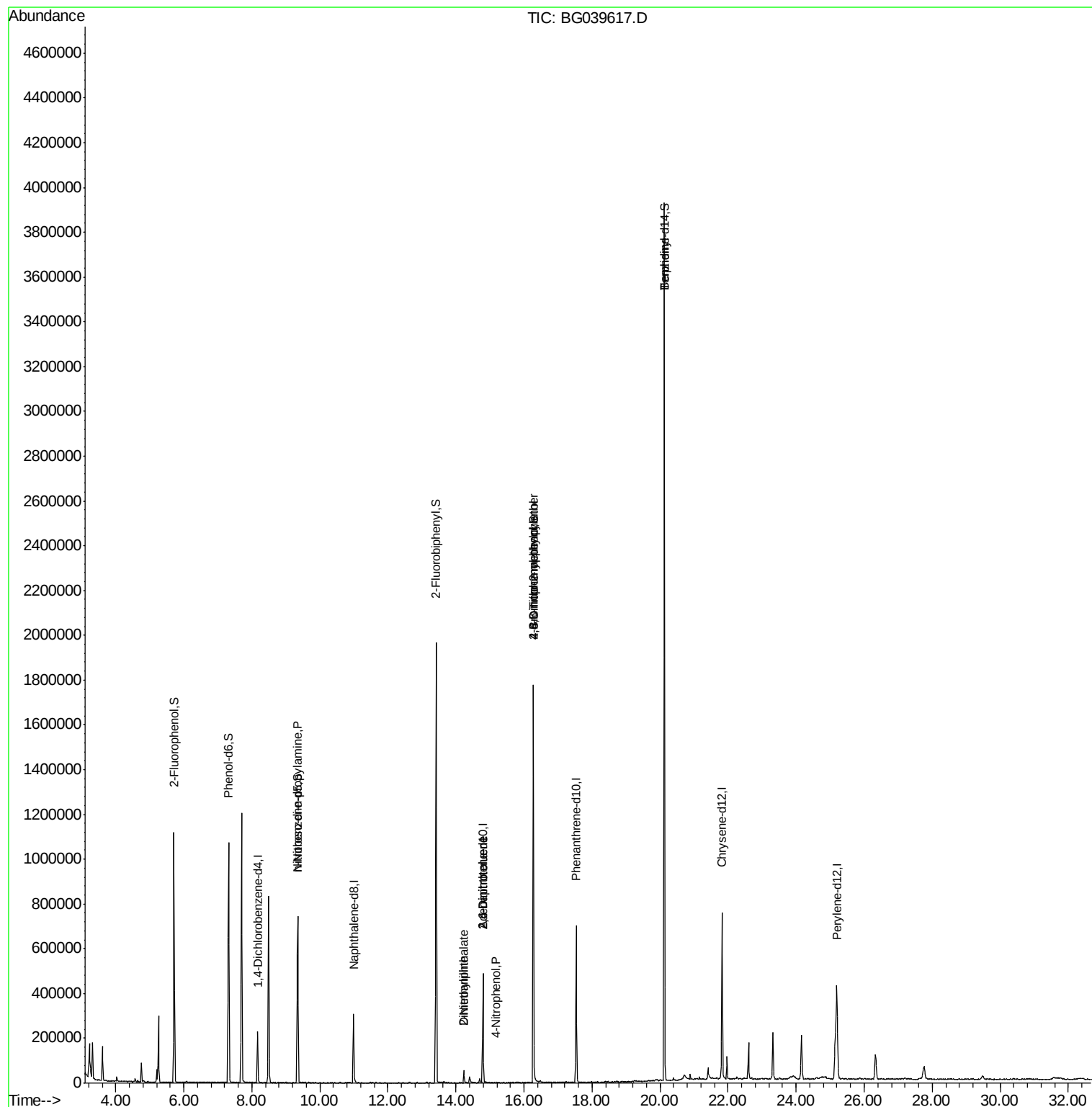
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	1080	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.35	70	58939	15.018	ng	# 70
48) 2-Nitroaniline	14.23	65	280	8.369	ng	# 1
50) Dimethylphthalate	14.23	163	39118	2.718	ng	# 97
51) 2,6-Dinitrotoluene	14.79	165	23346	14.054	ng	# 23
56) 4-Nitrophenol	15.19	139	621	6.015	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	23346	13.497	ng	# 19
65) 4,6-Dinitro-2-methylphenol	16.28	198	941	4.836	ng	# 32
67) 4-Bromophenyl-phenylether	16.28	248	25339	5.003	ng	# 1
77) Benzidine	20.13	184	33062	2.088	ng	# 97

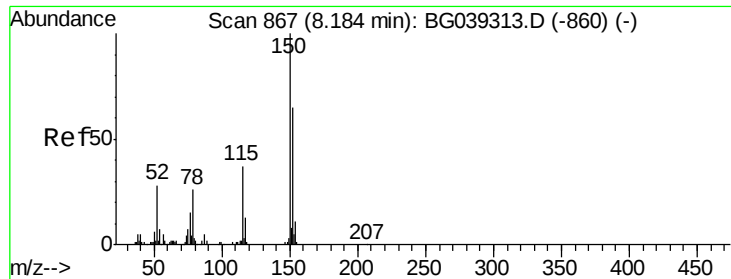
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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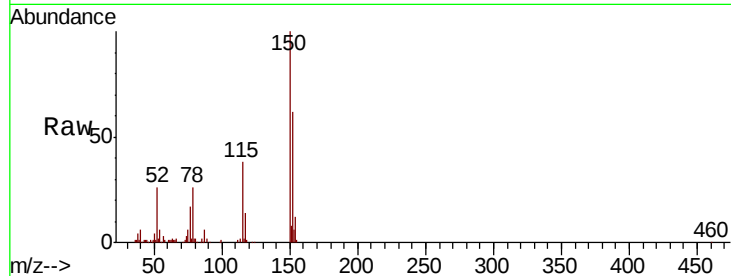


#1

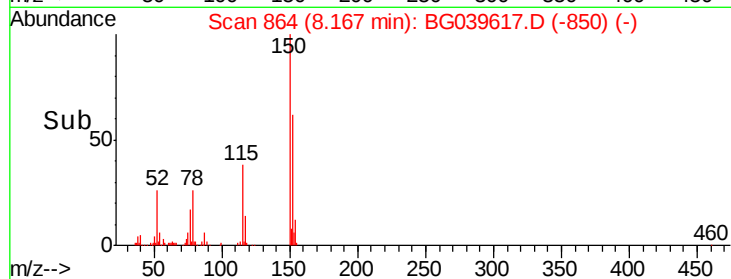
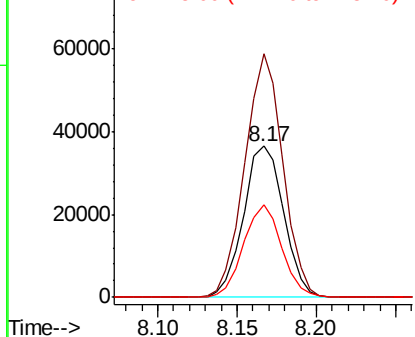
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 864
Delta R.T. -0.02 min
Lab File: BG039617.D
Acq: 27 Feb 2019 2:40

Instrument :
BNA_G
ClientSampleId :
TP-22

Tgt Ion:152 Resp: 64291
Ion Ratio Lower Upper
152 100
150 160.9 123.7 185.5
115 61.6 45.9 68.9



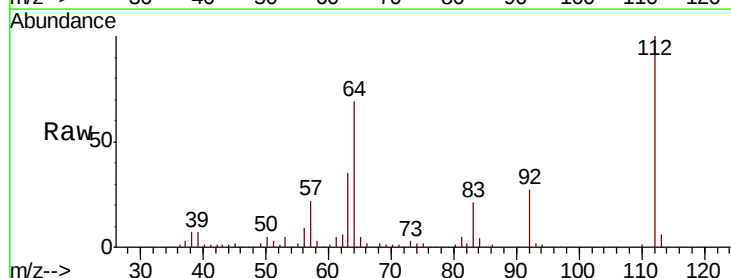
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



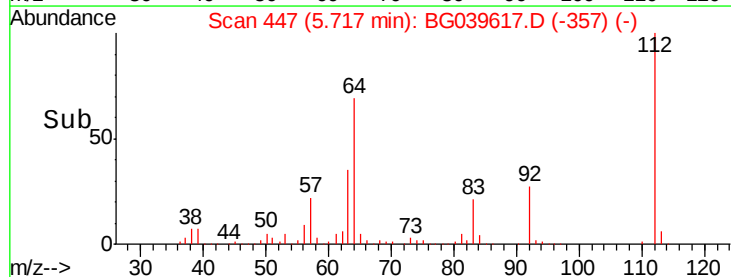
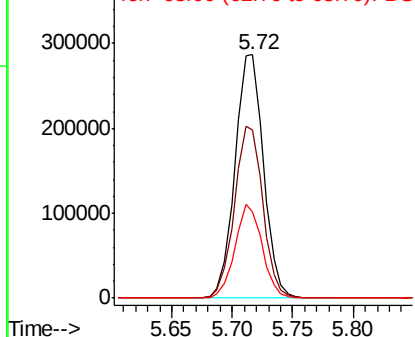
#5

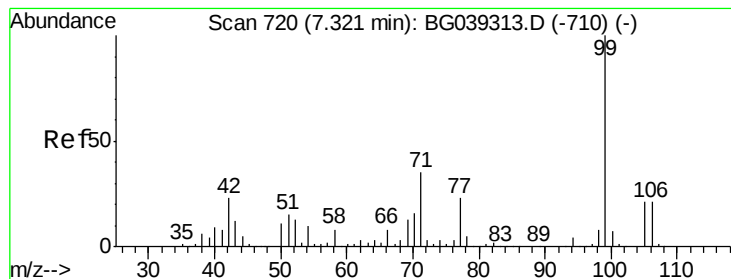
2-Fluorophenol
Concen: 125.820 ng
RT: 5.72 min Scan# 447
Delta R.T. 0.00 min
Lab File: BG039617.D
Acq: 27 Feb 2019 2:40

Tgt Ion:112 Resp: 472631
Ion Ratio Lower Upper
112 100
64 69.1 57.8 86.8
63 35.2 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: 111.165 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039617.D

Acq: 27 Feb 2019 2:40

Instrument :

BNA_G

ClientSampleId :

TP-22

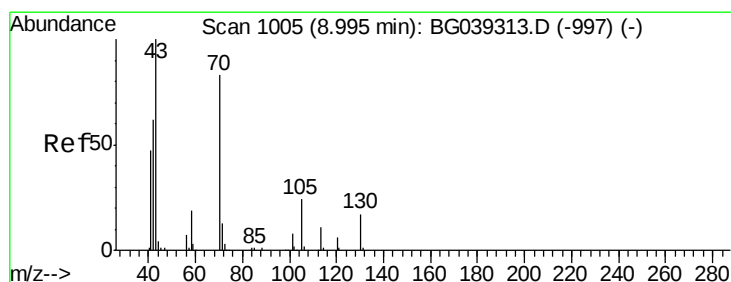
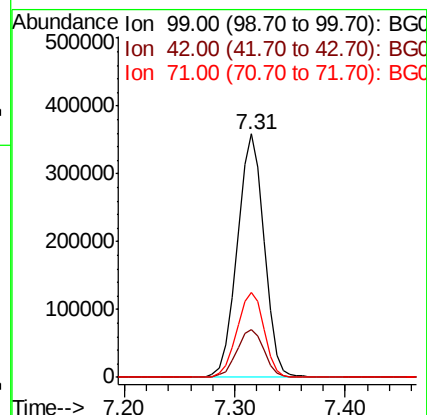
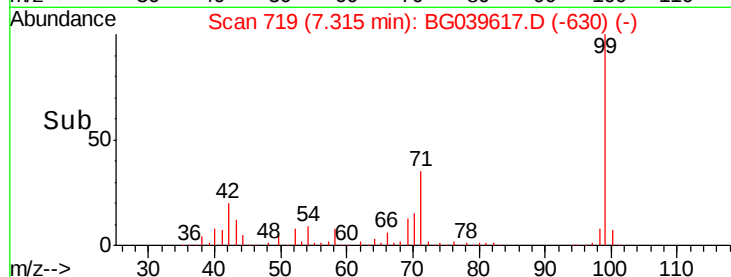
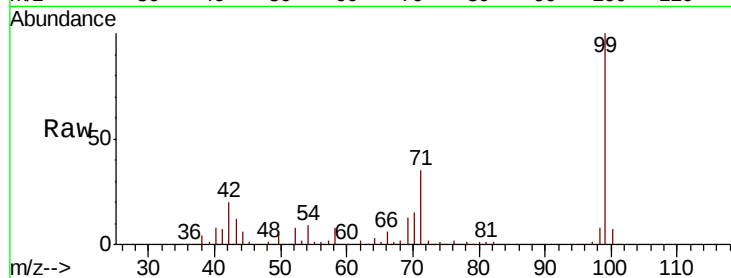
Tgt Ion: 99 Resp: 614668

Ion Ratio Lower Upper

99 100

42 19.6 18.2 27.2

71 34.7 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.018 ng

RT: 9.35 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039617.D

Acq: 27 Feb 2019 2:40

Tgt Ion: 70 Resp: 58939

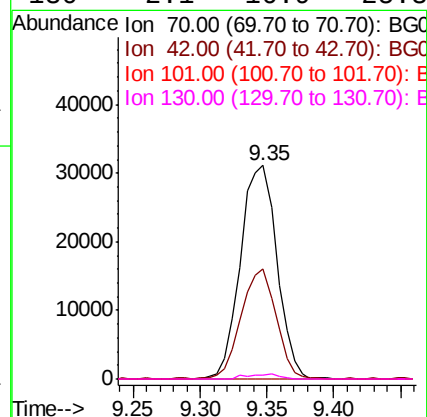
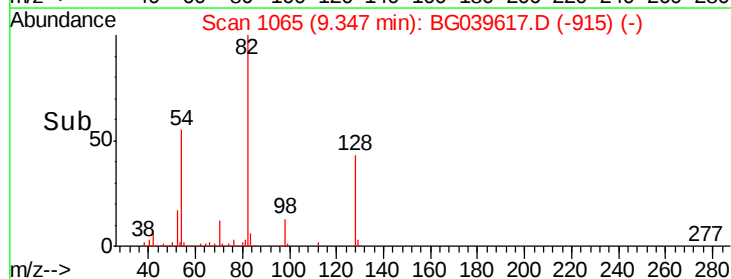
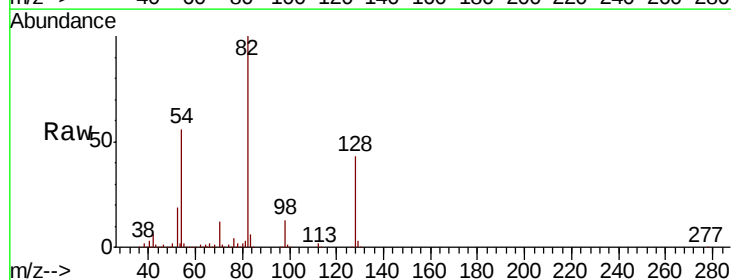
Ion Ratio Lower Upper

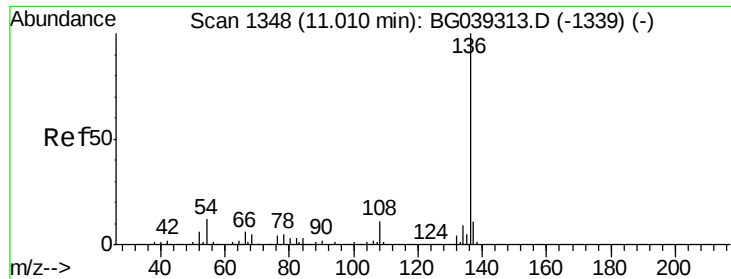
70 100

42 51.8 60.4 90.6#

101 0.0 7.5 11.3#

130 2.1 16.9 25.3#

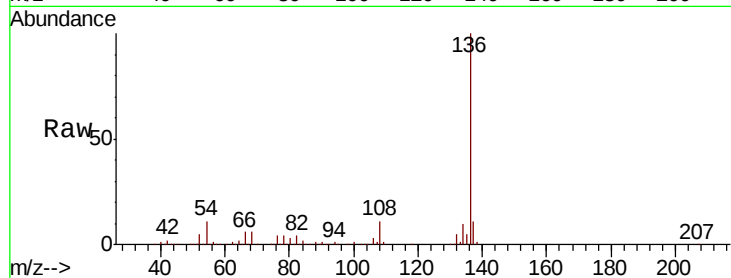




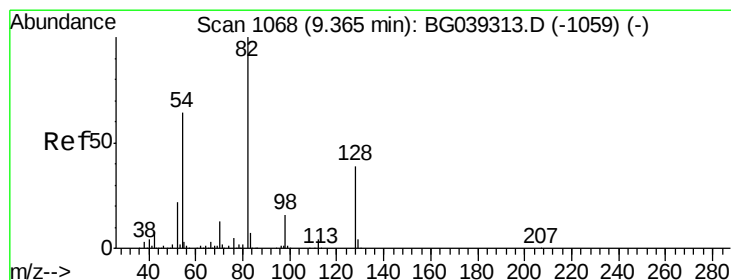
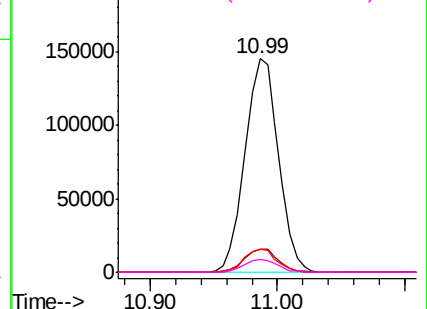
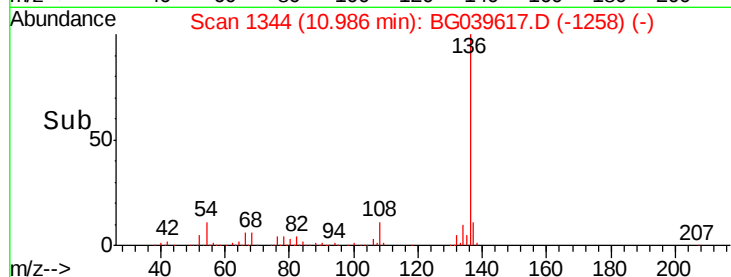
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1344
Delta R.T. -0.02 min
Lab File: BG039617.D
Acq: 27 Feb 2019 2:40

Instrument :
BNA_G
ClientSampleId :
TP-22

Tgt Ion:	136	Resp:	265932
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	10.7	9.4	14.2
68	5.9	4.2	6.4

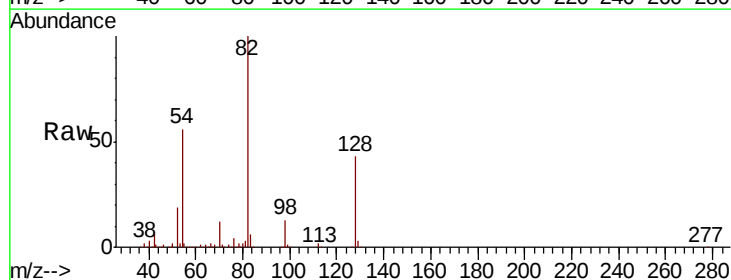


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

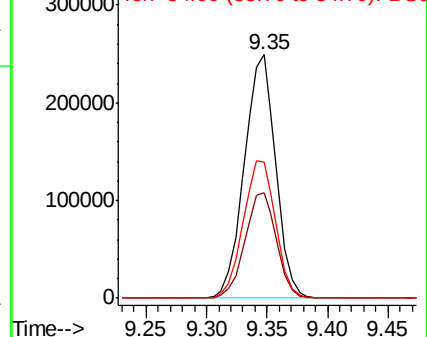
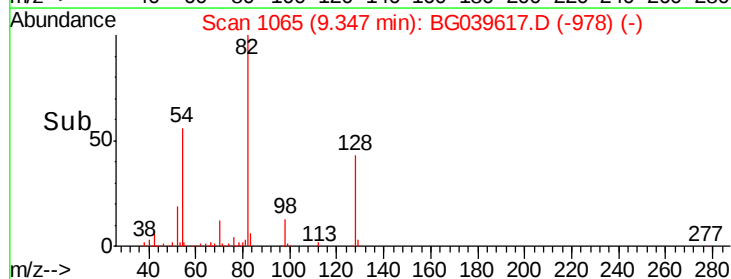


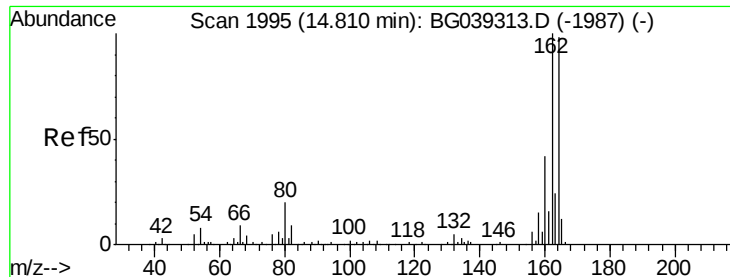
#23
Nitrobenzene-d5
Concen: 105.863 ng
RT: 9.35 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039617.D
Acq: 27 Feb 2019 2:40

Tgt Ion:	82	Resp:	450642
Ion	Ratio	Lower	Upper
82	100		
128	43.0	31.3	46.9
54	56.1	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: 14.79 min Scan# 1991

Delta R.T. -0.02 min

Lab File: BG039617.D

Acq: 27 Feb 2019 2:40

Instrument :

BNA_G

ClientSampleId :

TP-22

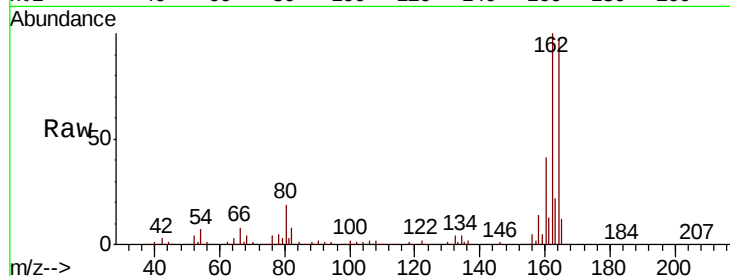
Tgt Ion:164 Resp: 178169

Ion Ratio Lower Upper

164 100

162 103.2 81.6 122.4

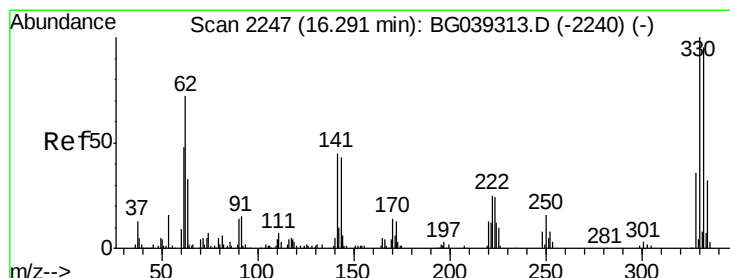
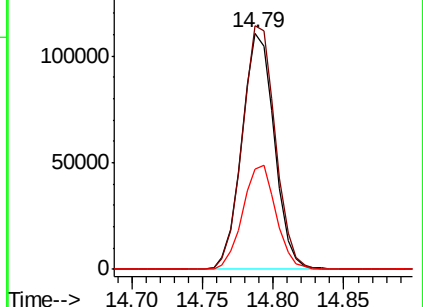
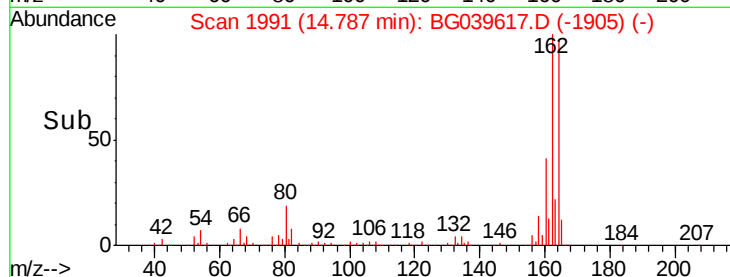
160 42.4 34.2 51.2



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: 162.422 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039617.D

Acq: 27 Feb 2019 2:40

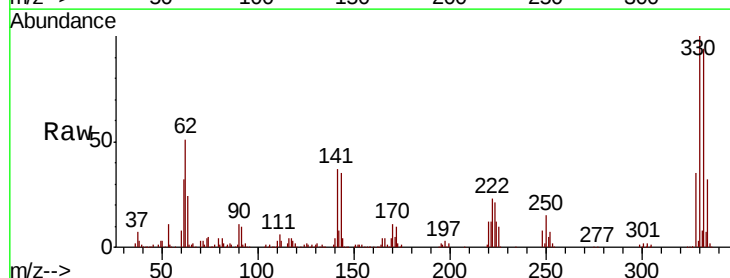
Tgt Ion:330 Resp: 311618

Ion Ratio Lower Upper

330 100

332 94.9 75.7 113.5

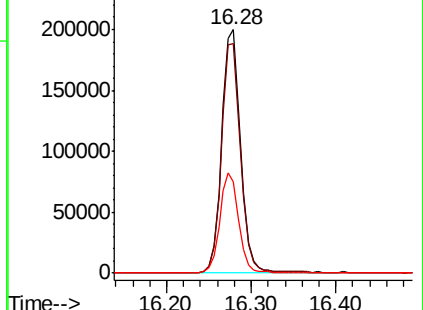
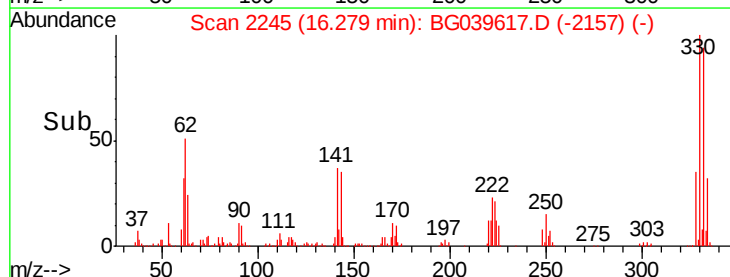
141 40.9 35.6 53.4



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

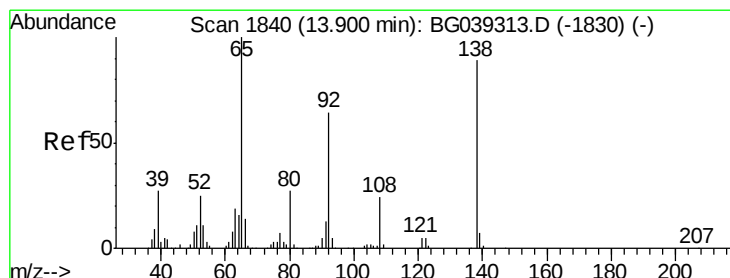
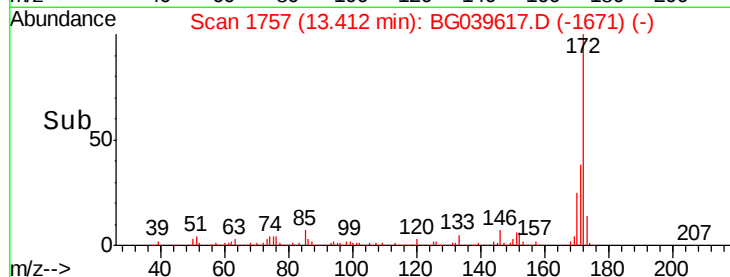
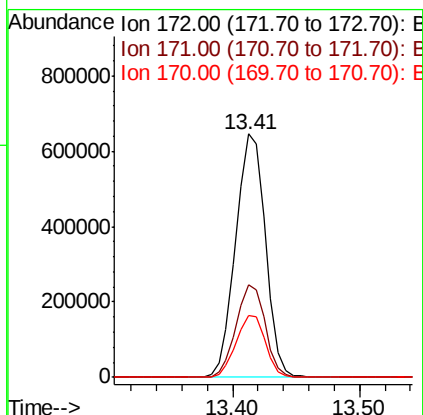
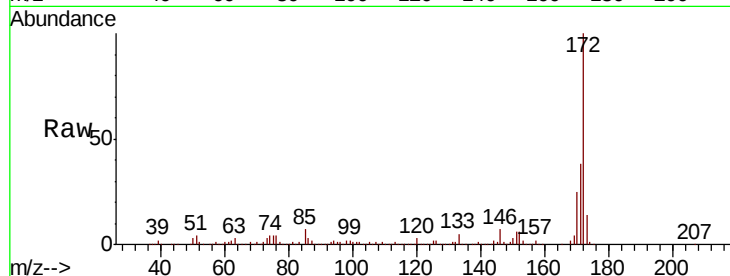




#45
2-Fluorobiphenyl
Concen: 84.407 ng
RT: 13.41 min Scan# 1757
Delta R.T. -0.02 min
Lab File: BG039617.D
Acq: 27 Feb 2019 2:40

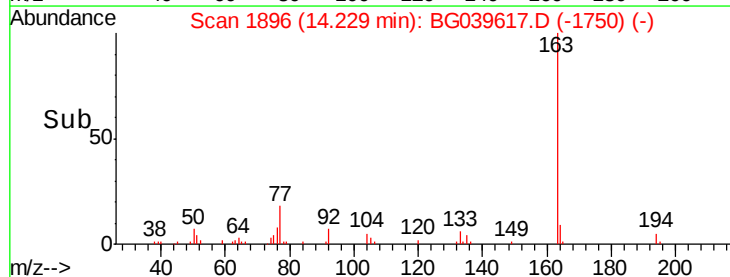
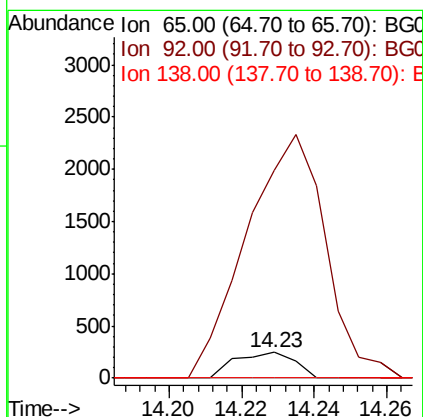
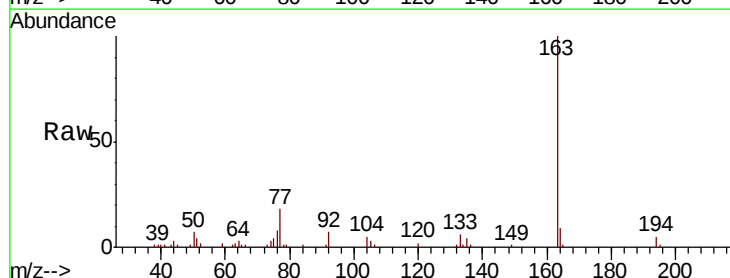
Instrument :
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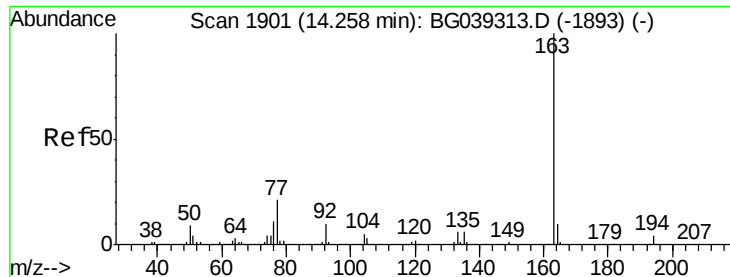
Tgt Ion: 172 Resp: 1048324
Ion Ratio Lower Upper
172 100
171 38.2 30.8 46.2
170 25.5 20.2 30.4



#48
2-Nitroaniline
Concen: 8.369 ng
RT: 14.23 min Scan# 1896
Delta R.T. 0.33 min
Lab File: BG039617.D
Acq: 27 Feb 2019 2:40

Tgt Ion: 65 Resp: 280
Ion Ratio Lower Upper
65 100
92 813.9 51.4 77.2#
138 0.0 71.4 107.2#





#50

Dimethylphthalate

Concen: 2.718 ng

RT: 14.23 min Scan# 1896

Delta R.T. -0.03 min

Lab File: BG039617.D

Acq: 27 Feb 2019 2:40

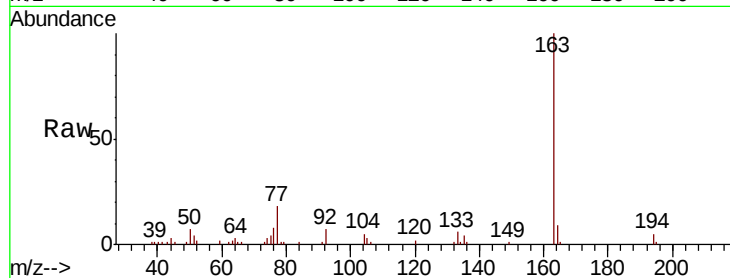
Instrument :

BNA_G

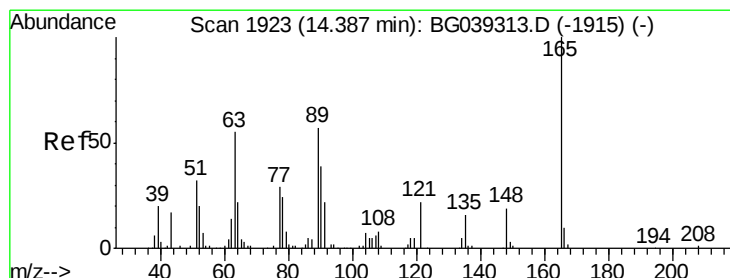
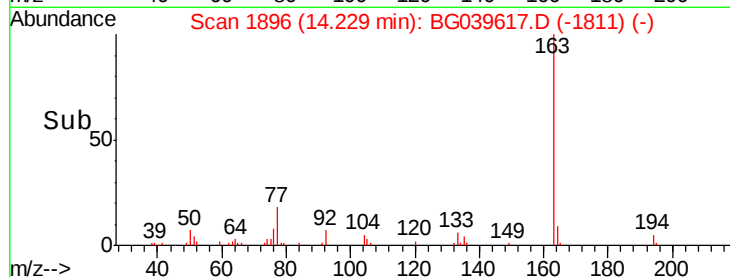
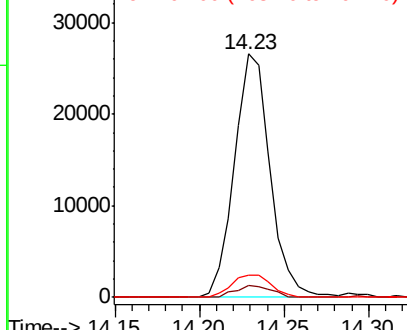
ClientSampleId :

TP-22

Tgt Ion:	163	Resp:	39118
Ion	Ratio	Lower	Upper
163	100		
194	5.0	3.6	5.4
164	9.2	8.4	12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 14.054 ng

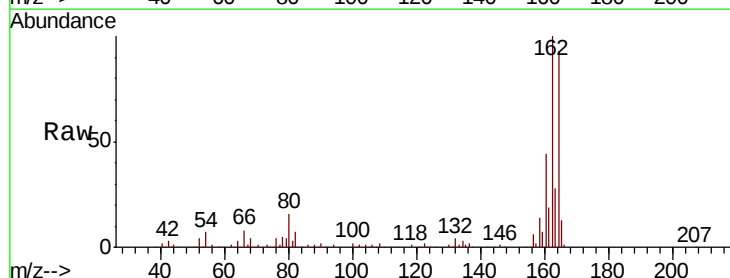
RT: 14.79 min Scan# 1992

Delta R.T. 0.41 min

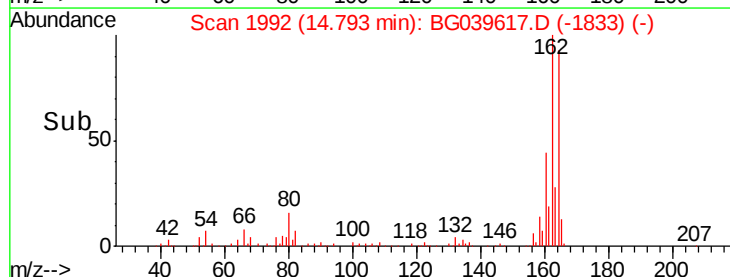
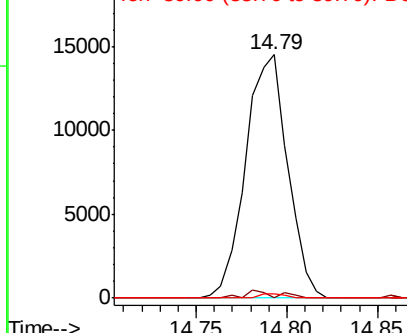
Lab File: BG039617.D

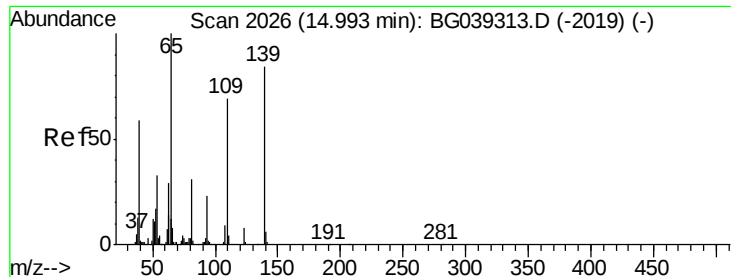
Acq: 27 Feb 2019 2:40

Tgt Ion:	165	Resp:	23346
Ion	Ratio	Lower	Upper
165	100		
63	0.0	47.0	70.6#
89	1.9	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





#56

4-Nitrophenol

Concen: 6.015 ng

RT: 15.19 min Scan# 2059

Delta R.T. 0.19 min

Lab File: BG039617.D

Acq: 27 Feb 2019 2:40

Instrument :

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ClientSampleId :

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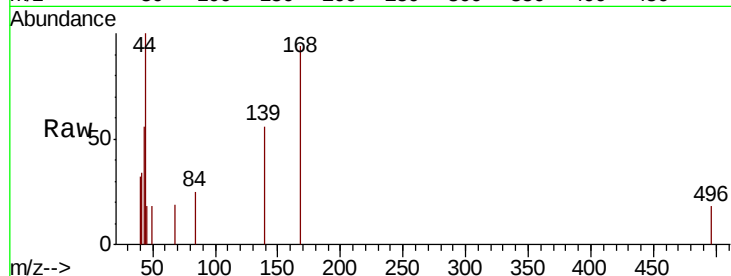
Tgt Ion:139 Resp: 621

Ion Ratio Lower Upper

139 100

109 0.0 61.9 101.9#

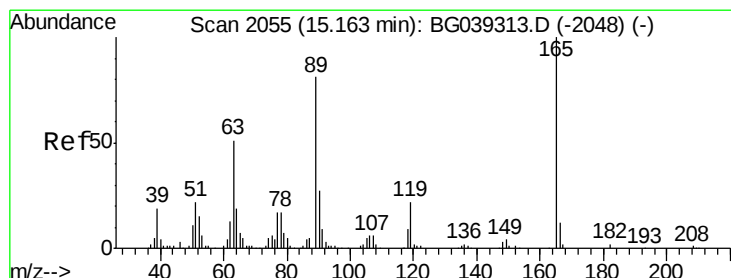
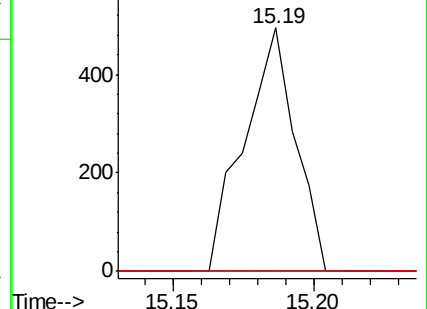
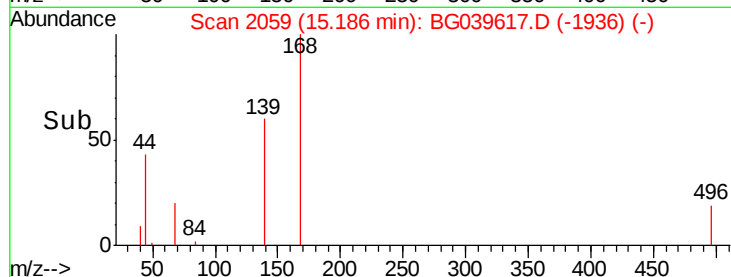
65 0.0 99.1 139.1#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#57

2,4-Dinitrotoluene

Concen: 13.497 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.37 min

Lab File: BG039617.D

Acq: 27 Feb 2019 2:40

Tgt Ion:165 Resp: 23346

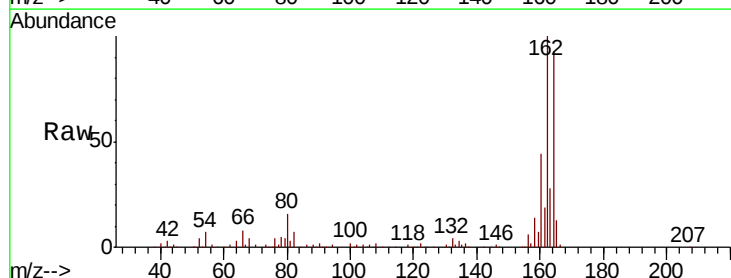
Ion Ratio Lower Upper

165 100

63 0.0 41.0 61.6#

89 1.9 64.6 96.8#

182 0.0 2.0 3.0#

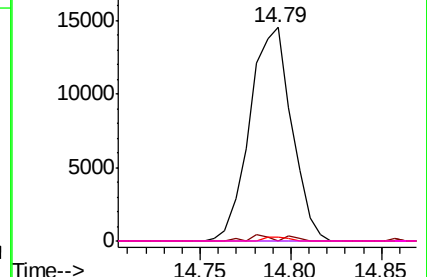
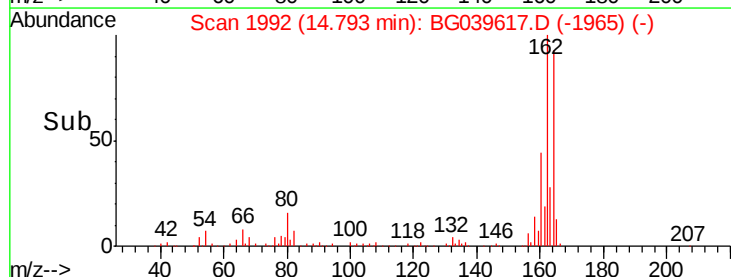


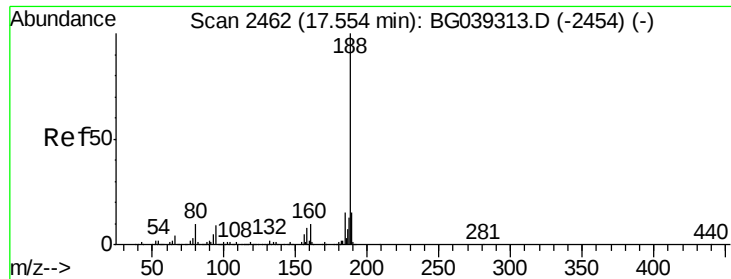
Abundance Ion 165.00 (164.70 to 165.70): E

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# 2458

Delta R.T. -0.02 min

Lab File: BG039617.D

Acq: 27 Feb 2019 2:40

Instrument :

BNA_G

ClientSampleId :

TP-22

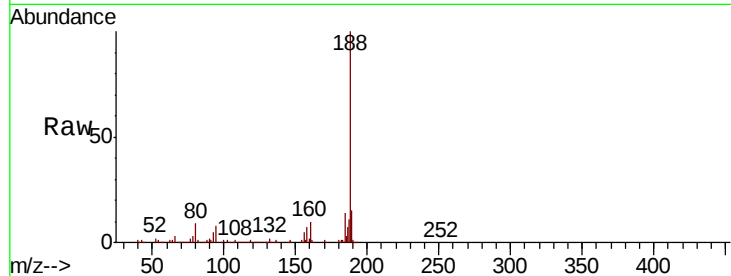
Tgt Ion:188 Resp: 456507

Ion Ratio Lower Upper

188 100

94 8.0 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): BG

Ion 80.00 (79.70 to 80.70): BG

400000

300000

200000

100000

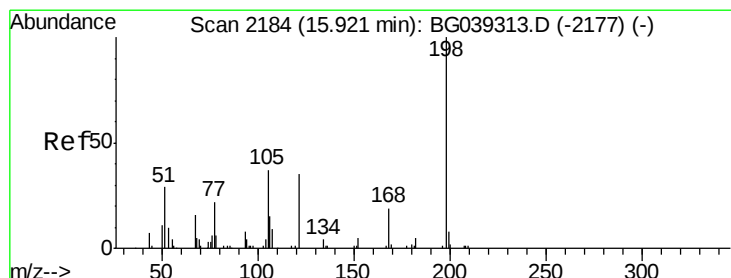
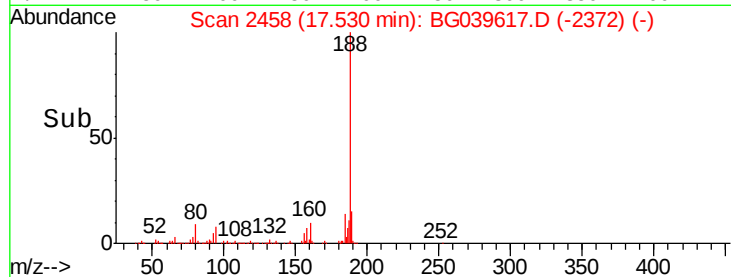
0

17.53

17.50

17.60

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 4.836 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.36 min

Lab File: BG039617.D

Acq: 27 Feb 2019 2:40

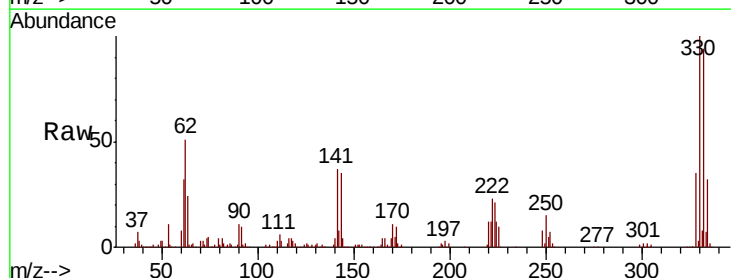
Tgt Ion:198 Resp: 941

Ion Ratio Lower Upper

198 100

51 89.2 27.4 67.4#

105 85.4 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

1500

1000

500

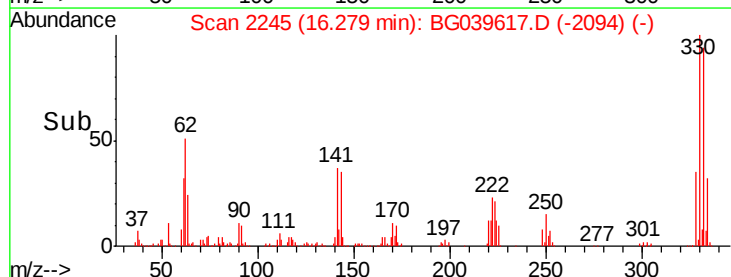
0

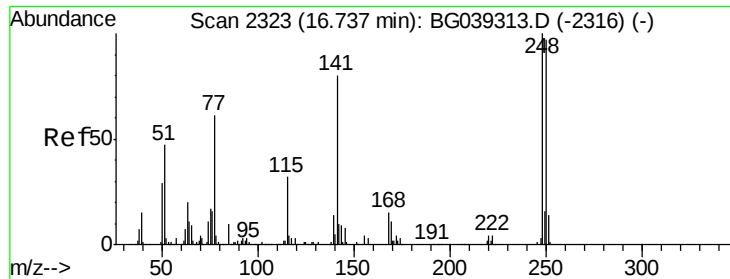
16.28

16.25

16.30

Time-->

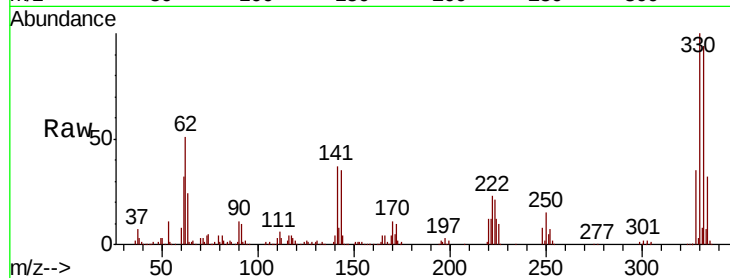




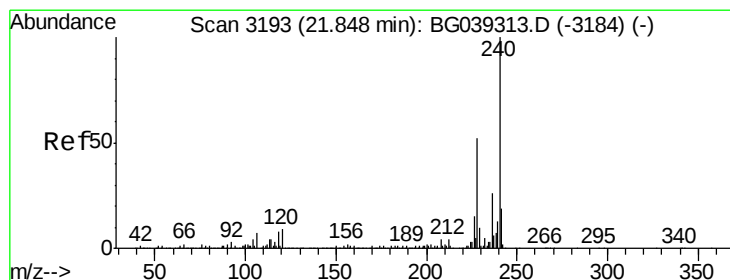
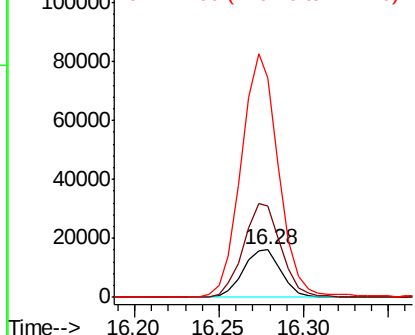
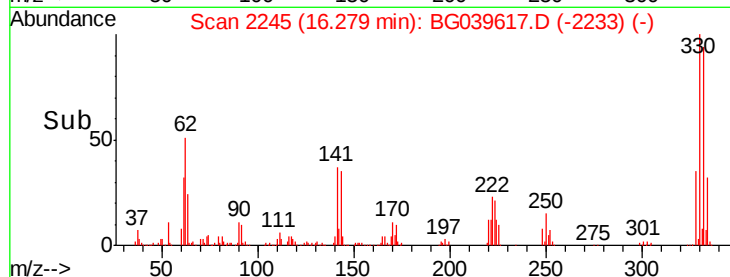
#67
 4-Bromophenyl-phenylether
 Concen: 5.003 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039617.D
 Acq: 27 Feb 2019 2:40

Instrument :
 BNA_G
 ClientSampleId :
 TP-22

Tgt Ion:248 Resp: 25339
 Ion Ratio Lower Upper
 248 100
 250 193.1 77.6 116.4#
 141 464.6 63.9 95.9#

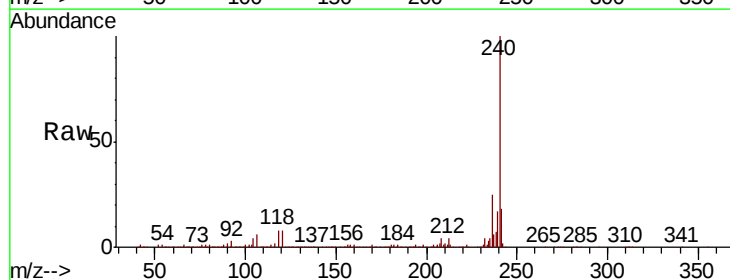


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

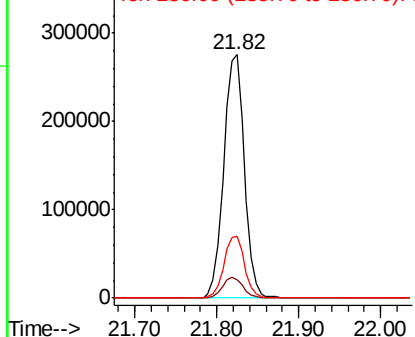
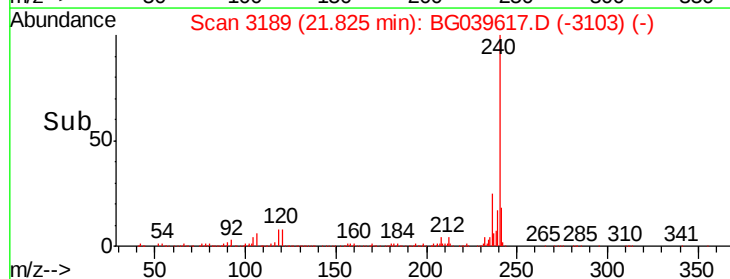


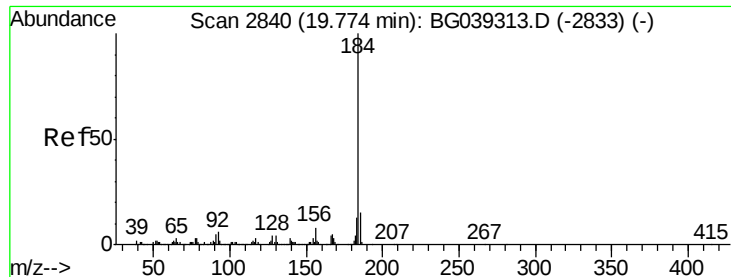
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3189
 Delta R.T. -0.02 min
 Lab File: BG039617.D
 Acq: 27 Feb 2019 2:40

Tgt Ion:240 Resp: 483036
 Ion Ratio Lower Upper
 240 100
 120 7.7 7.0 10.6
 236 25.5 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





#77

Benzidine

Concen: 2.088 ng

RT: 20.13 min Scan# 2900

Delta R.T. 0.35 min

Lab File: BG039617.D

Acq: 27 Feb 2019 2:40

Instrument :

BNA_G

ClientSampleId :

TP-22

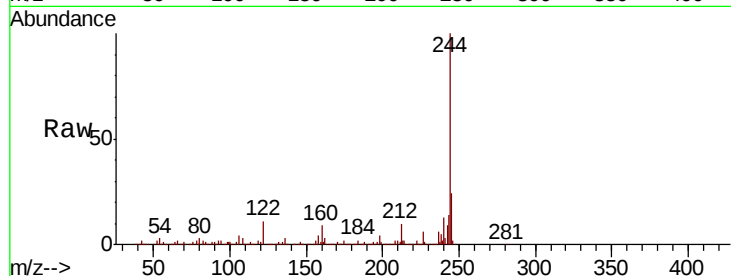
Tgt Ion:184 Resp: 33062

Ion Ratio Lower Upper

184 100

185 15.4 12.2 18.2

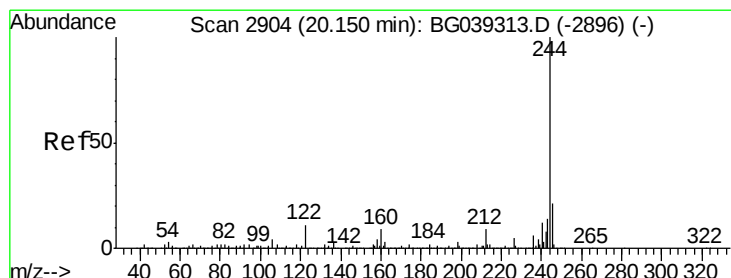
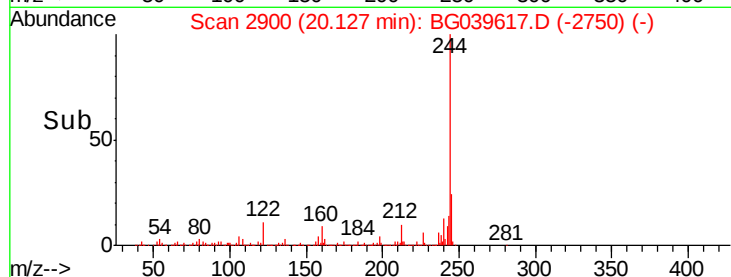
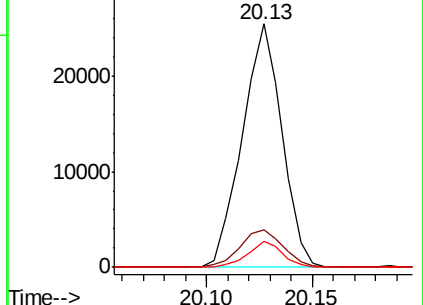
183 10.9 10.6 15.8



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: 79.019 ng

RT: 20.13 min Scan# 2900

Delta R.T. -0.02 min

Lab File: BG039617.D

Acq: 27 Feb 2019 2:40

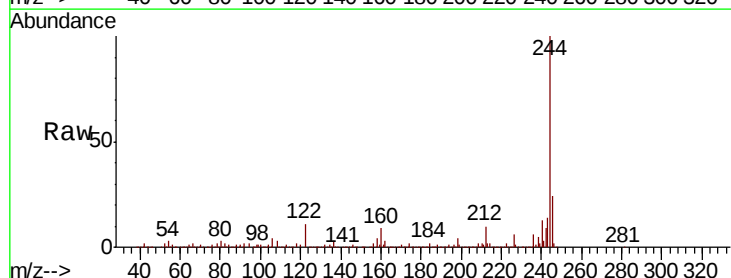
Tgt Ion:244 Resp: 1803235

Ion Ratio Lower Upper

244 100

212 9.9 7.3 10.9

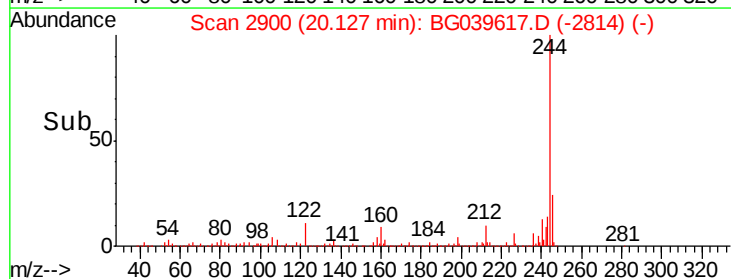
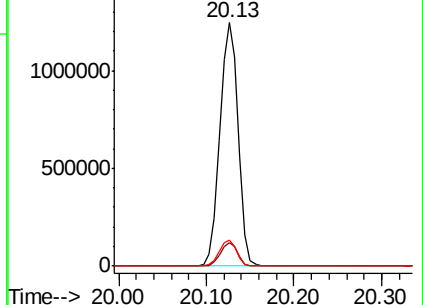
122 10.5 8.4 12.6

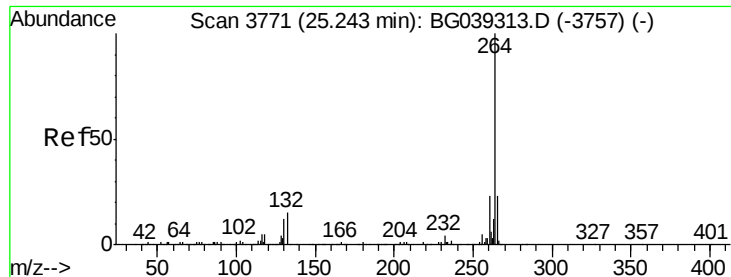


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3763
Delta R.T. -0.05 min
Lab File: BG039617.D
Acq: 27 Feb 2019 2:40

Instrument :
BNA_G
ClientSampleId :
TP-22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.2	27.4
265	21.0	18.5	27.7

