

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022719\
 Data File : BG039636.D
 Acq On : 27 Feb 2019 15:59
 Operator : JU/SJ
 Sample : K1594-40
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-9(7.5-8.5)

Quant Time: Feb 27 23:56:58 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

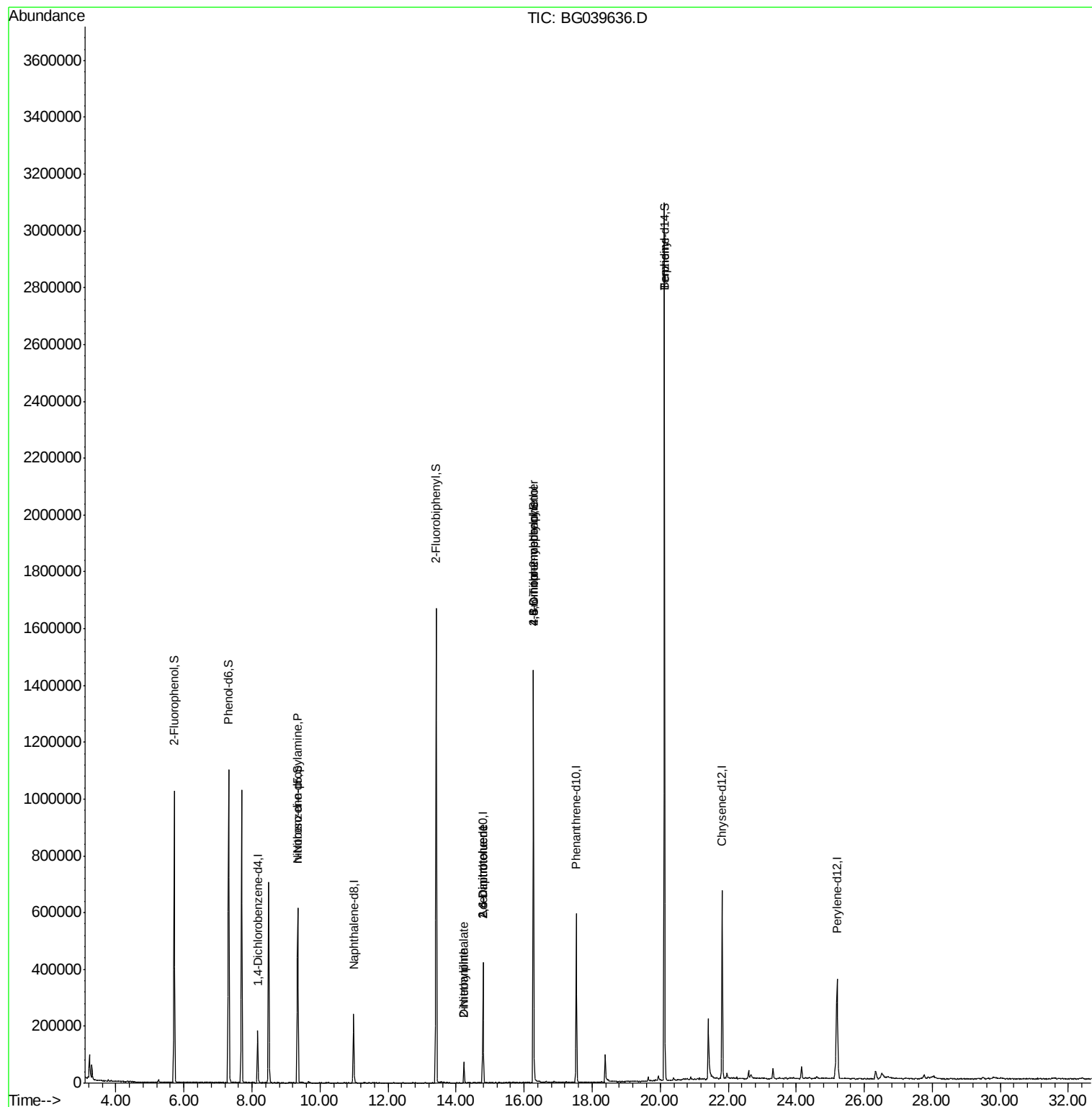
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	50786	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	212876	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	145462	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	362976	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	394802	20.00	ng	-0.03
87) Perylene-d12	25.19	264	403371	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	441077	148.64	ng	0.00
7) Phenol-d6	7.31	99	645185	147.71	ng	0.00
23) Nitrobenzene-d5	9.34	82	372824	109.41	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	256810	163.95	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	894058	88.17	ng	-0.02
79) Terphenyl-d14	20.12	244	1472299	78.94	ng	-0.03
Target Compounds						
9) Benzaldehyde	7.32	77	1167	Below Cal	Qvalue	# 4
19) n-Nitroso-di-n-propylamine	9.34	70	48358	15.599 ng	#	70
48) 2-Nitroaniline	14.23	65	322	8.398 ng	#	1
50) Dimethylphthalate	14.23	163	51502	4.384 ng	#	97
51) 2,6-Dinitrotoluene	14.79	165	19012	14.035 ng	#	25
57) 2,4-Dinitrotoluene	14.79	165	19012	13.483 ng	#	20
65) 4,6-Dinitro-2-methylphenol	16.28	198	1115	5.159 ng	#	23
67) 4-Bromophenyl-phenylether	16.28	248	19552	4.855 ng	#	1
77) Benzidine	20.12	184	27212	2.102 ng	#	95

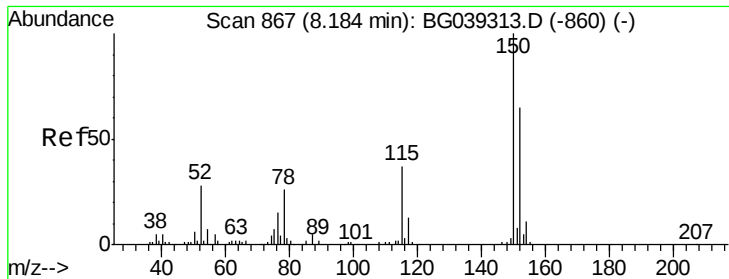
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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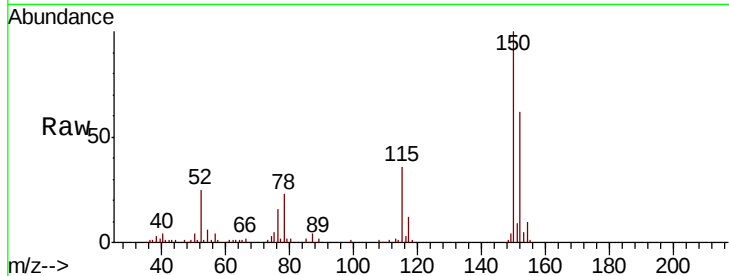


#1

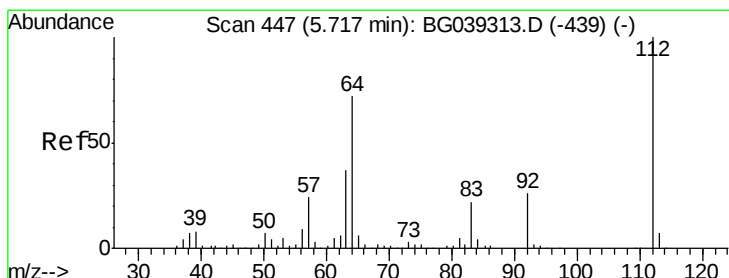
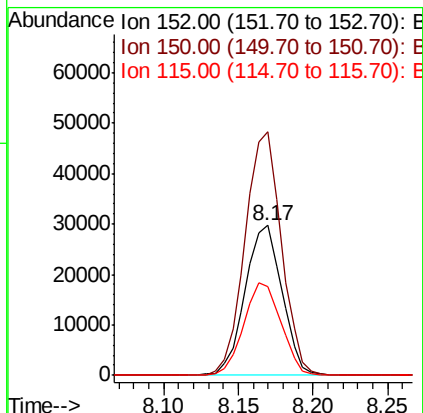
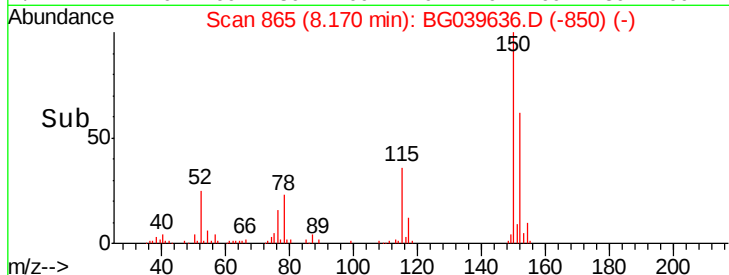
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039636.D
Acq: 27 Feb 2019 15:59

Instrument :
BNA_G
ClientSampleId :
B-9(7.5-8.5)

Tgt Ion:152 Resp: 50786
Ion Ratio Lower Upper
152 100
150 162.6 123.7 185.5
115 59.2 45.9 68.9



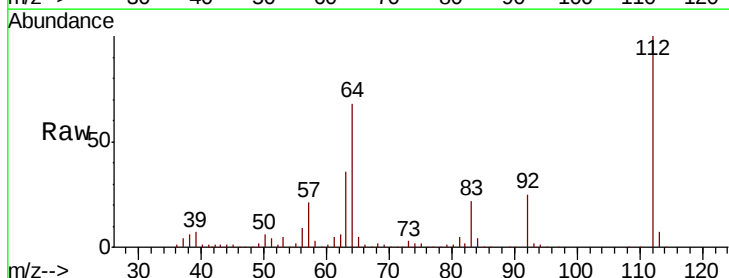
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



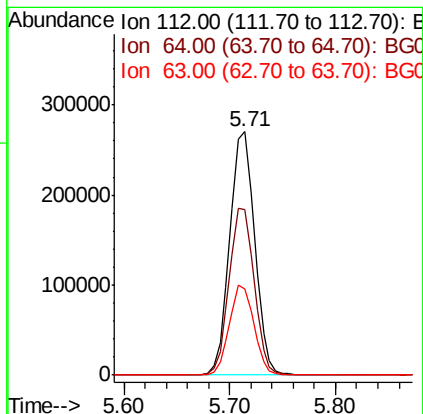
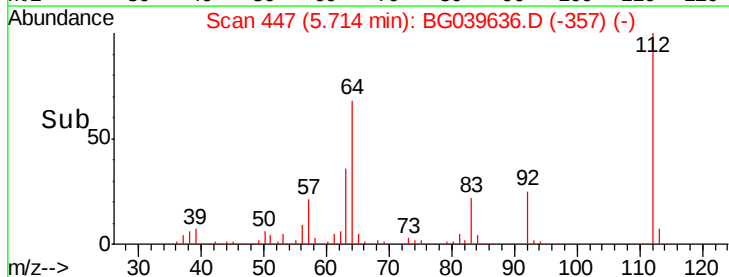
#5

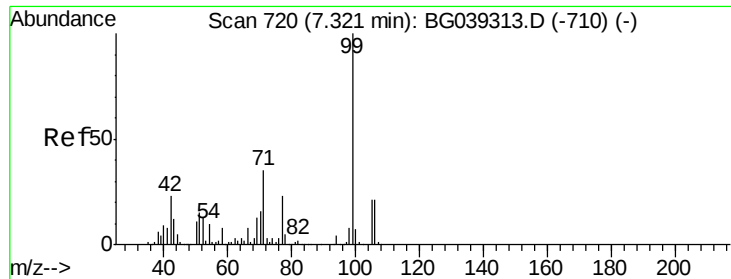
2-Fluorophenol
Concen: 148.645 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039636.D
Acq: 27 Feb 2019 15:59

Tgt Ion:112 Resp: 441077
Ion Ratio Lower Upper
112 100
64 67.8 57.8 86.8
63 35.6 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: 147.713 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039636.D

Acq: 27 Feb 2019 15:59

Instrument :

BNA_G

ClientSampleId :

B-9(7.5-8.5)

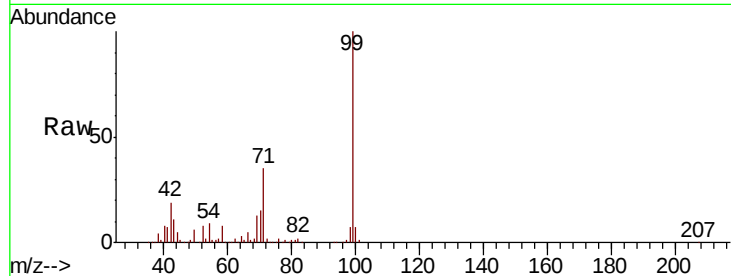
Tgt Ion: 99 Resp: 645185

Ion Ratio Lower Upper

99 100

42 19.2 18.2 27.2

71 34.9 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

500000

400000

300000

200000

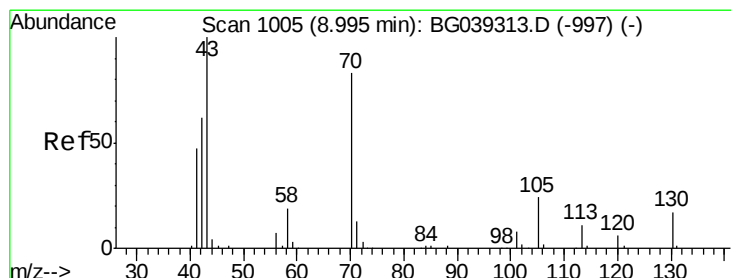
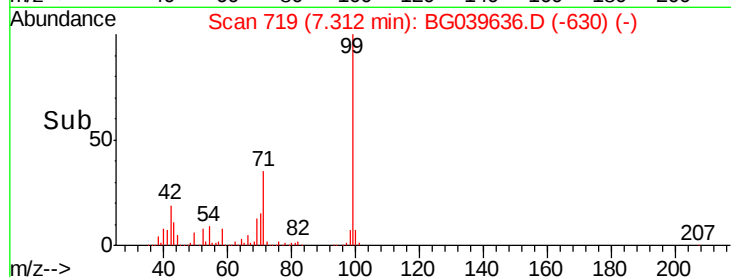
100000

0

7.31

7.20 7.30 7.40

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 15.599 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039636.D

Acq: 27 Feb 2019 15:59

Tgt Ion: 70 Resp: 48358

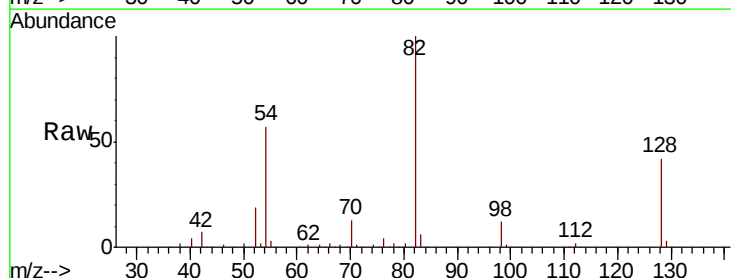
Ion Ratio Lower Upper

70 100

42 52.4 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

40000

30000

20000

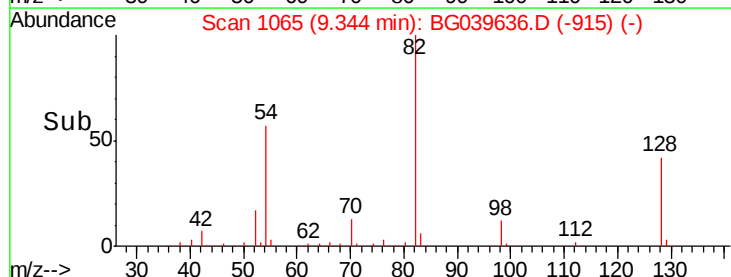
10000

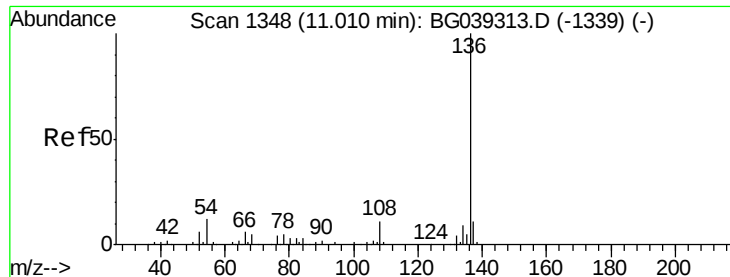
0

9.34

9.25 9.30 9.35 9.40

Time-->

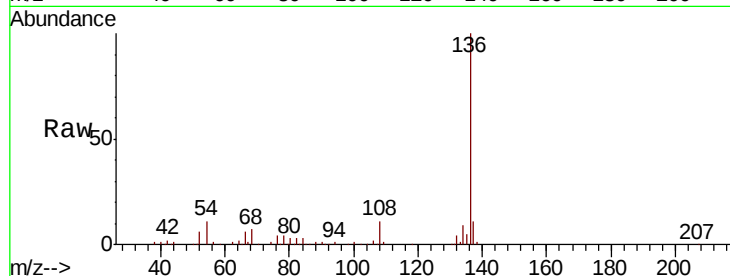




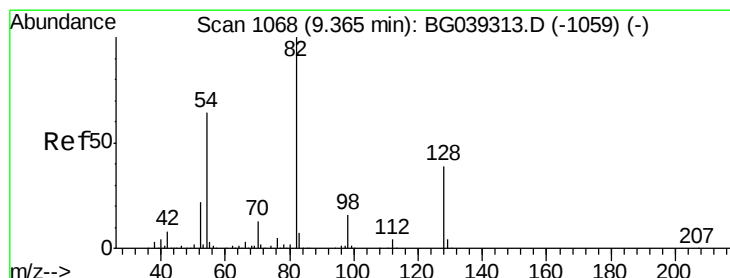
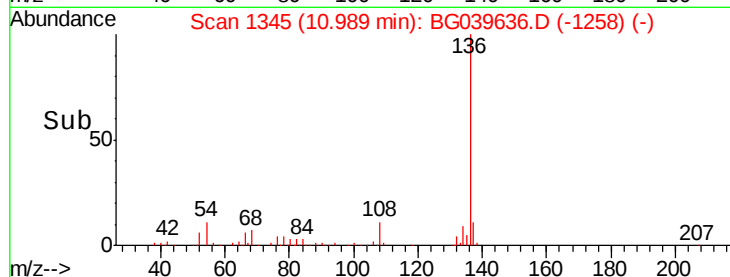
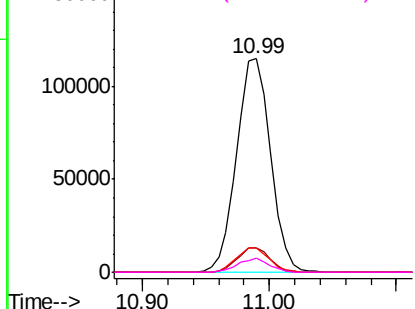
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039636.D
Acq: 27 Feb 2019 15:59

Instrument :
BNA_G
ClientSampleId :
B-9(7.5-8.5)

Tgt Ion:	136	Resp:	212876
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	11.1	9.4	14.2
68	6.5	4.2	6.4#

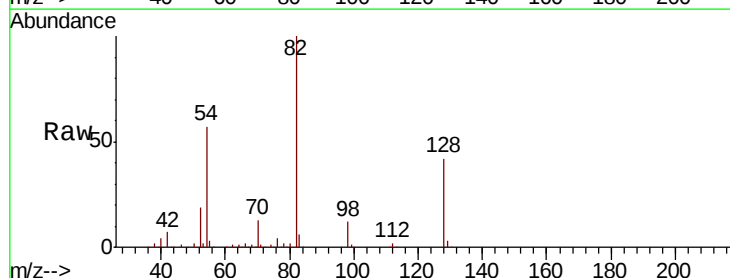


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

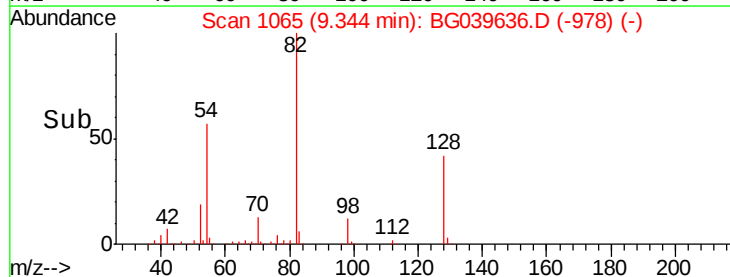
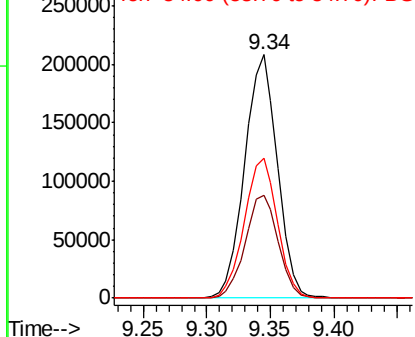


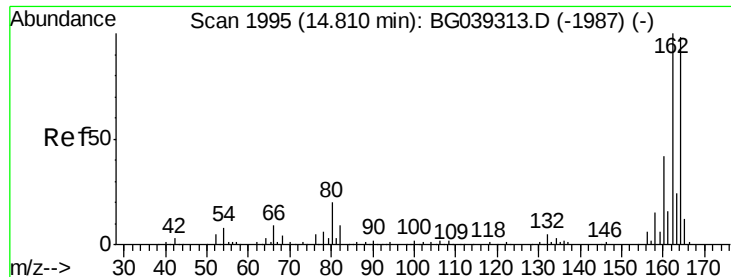
#23
Nitrobenzene-d5
Concen: 109.411 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039636.D
Acq: 27 Feb 2019 15:59

Tgt Ion:	82	Resp:	372824
Ion	Ratio	Lower	Upper
82	100		
128	42.2	31.3	46.9
54	57.5	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# 1992

Delta R.T. -0.02 min

Lab File: BG039636.D

Acq: 27 Feb 2019 15:59

Instrument :

BNA_G

ClientSampleId :

B-9(7.5-8.5)

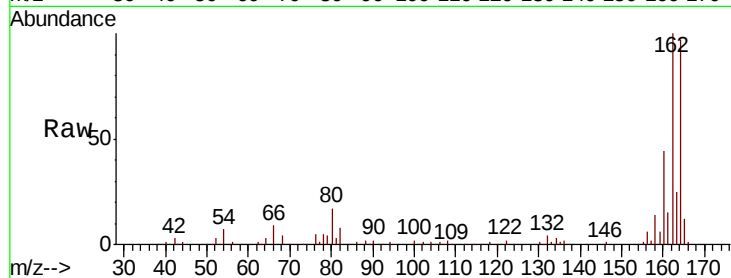
Tgt Ion:164 Resp: 145462

Ion Ratio Lower Upper

164 100

162 102.6 81.6 122.4

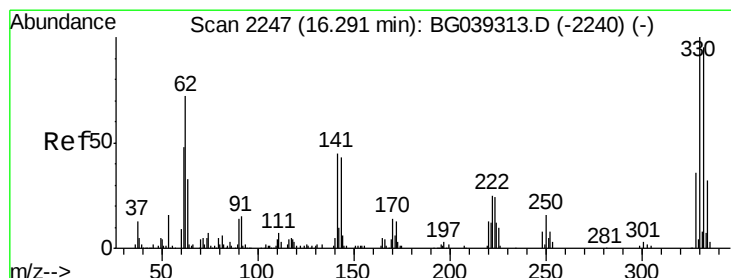
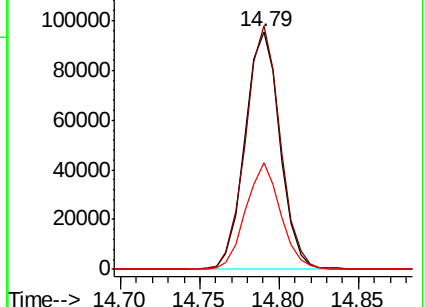
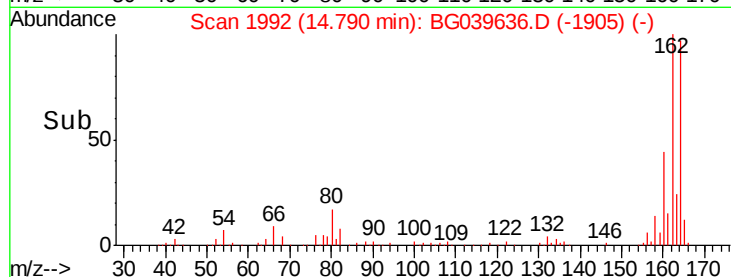
160 44.9 34.2 51.2



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: 163.952 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039636.D

Acq: 27 Feb 2019 15:59

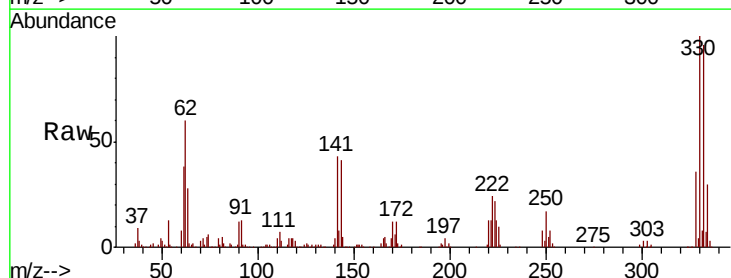
Tgt Ion:330 Resp: 256810

Ion Ratio Lower Upper

330 100

332 95.3 75.7 113.5

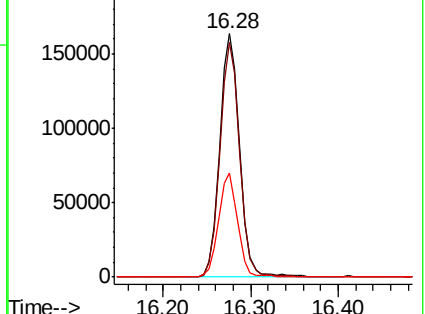
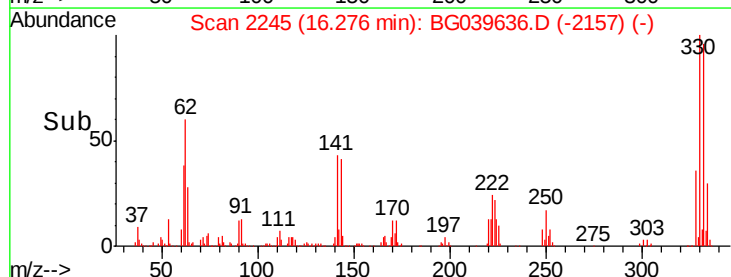
141 41.4 35.6 53.4



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

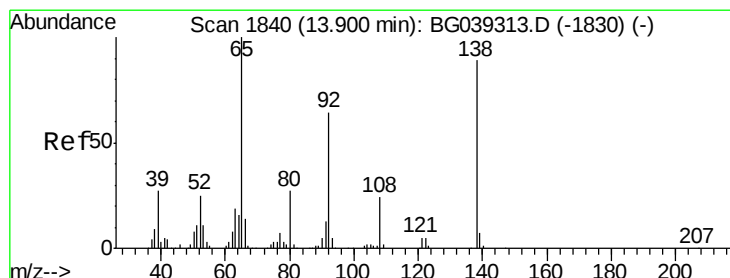
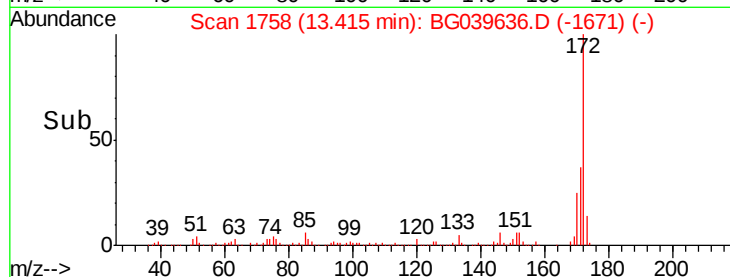
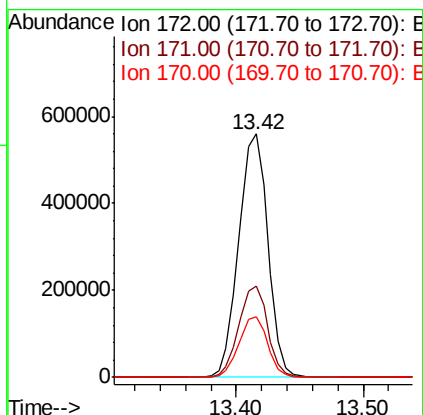
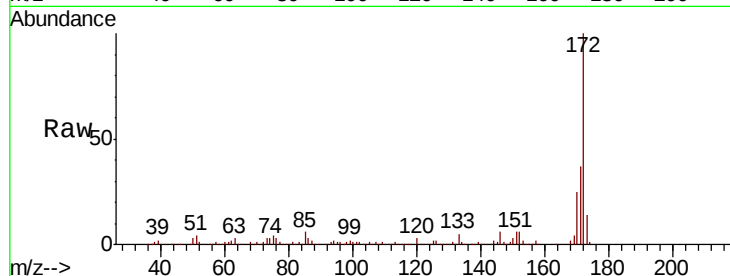




#45
2-Fluorobiphenyl
Concen: 88.172 ng
RT: 13.42 min Scan# 1758
Delta R.T. -0.02 min
Lab File: BG039636.D
Acq: 27 Feb 2019 15:59

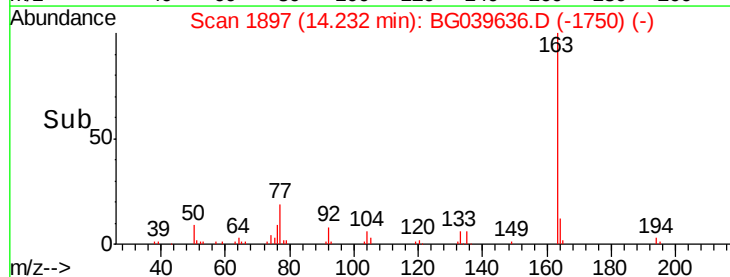
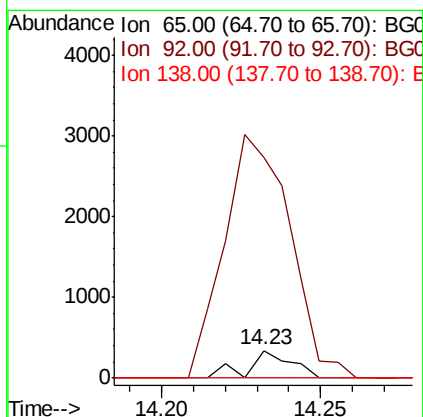
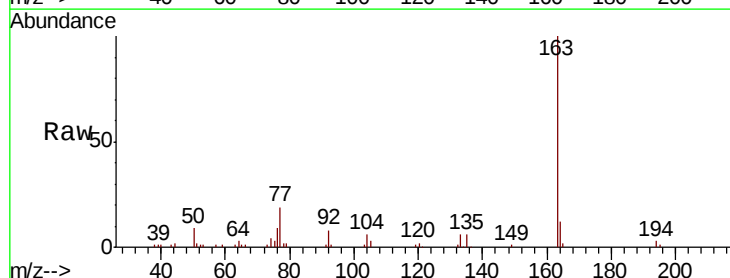
Instrument :
BNA_G
ClientSampleId :
B-9(7.5-8.5)

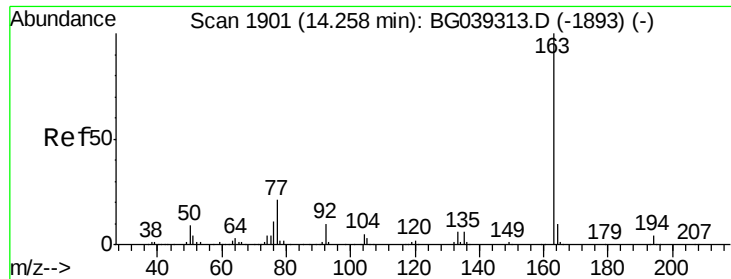
Tgt Ion: 172 Resp: 894058
Ion Ratio Lower Upper
172 100
171 37.5 30.8 46.2
170 24.6 20.2 30.4



#48
2-Nitroaniline
Concen: 8.398 ng
RT: 14.23 min Scan# 1897
Delta R.T. 0.33 min
Lab File: BG039636.D
Acq: 27 Feb 2019 15:59

Tgt Ion: 65 Resp: 322
Ion Ratio Lower Upper
65 100
92 805.9 51.4 77.2#
138 0.0 71.4 107.2#





#50

Dimethylphthalate

Concen: 4.384 ng

RT: 14.23 min Scan# 1897

Delta R.T. -0.03 min

Lab File: BG039636.D

Acq: 27 Feb 2019 15:59

Instrument :

BNA_G

ClientSampleId :

B-9(7.5-8.5)

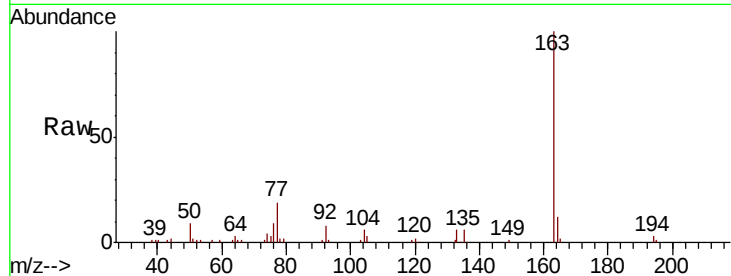
Tgt Ion:163 Resp: 51502

Ion Ratio Lower Upper

163 100

194 3.3 3.6 5.4#

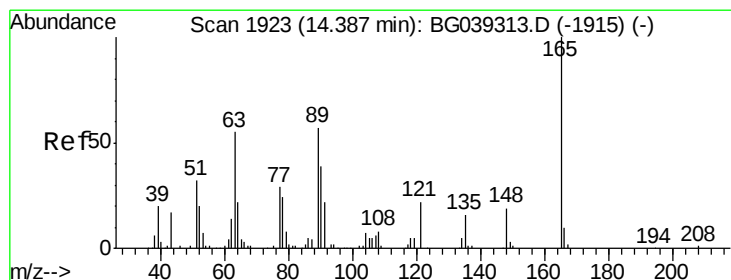
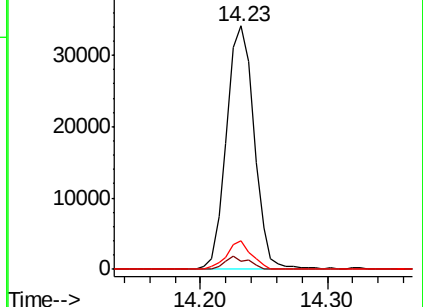
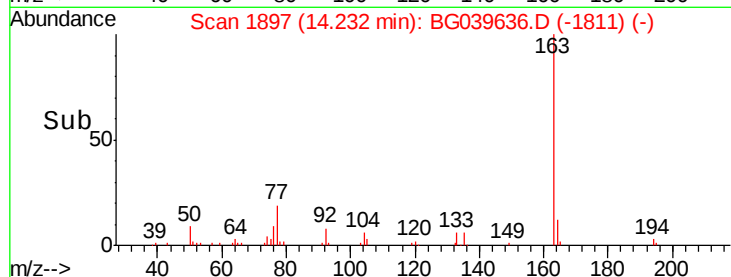
164 11.5 8.4 12.6



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: 14.035 ng

RT: 14.79 min Scan# 1992

Delta R.T. 0.40 min

Lab File: BG039636.D

Acq: 27 Feb 2019 15:59

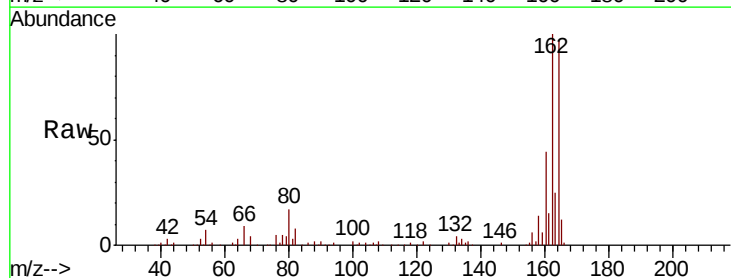
Tgt Ion:165 Resp: 19012

Ion Ratio Lower Upper

165 100

63 1.5 47.0 70.6#

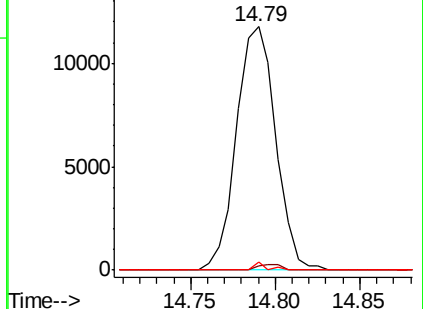
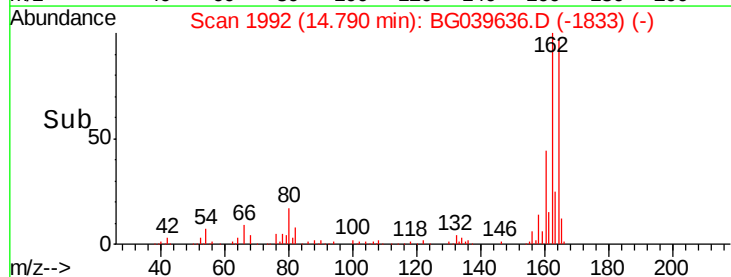
89 3.3 45.8 68.8#



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

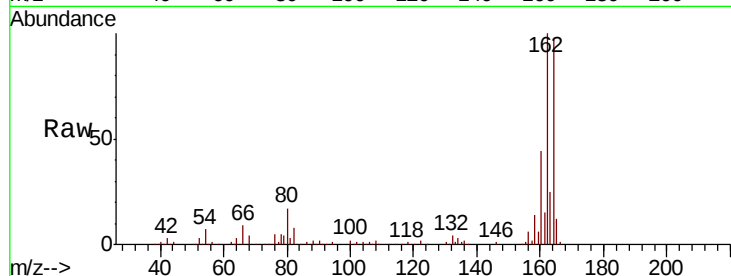




#57
 2,4-Dinitrotoluene
 Concen: 13.483 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. -0.37 min
 Lab File: BG039636.D
 Acq: 27 Feb 2019 15:59

Instrument :
 BNA_G
 ClientSampleId :
 B-9(7.5-8.5)

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	41.0	61.6#
89	3.3	64.6	96.8#
182	0.0	2.0	3.0#

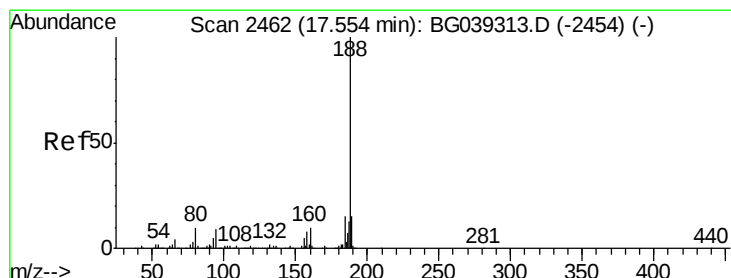
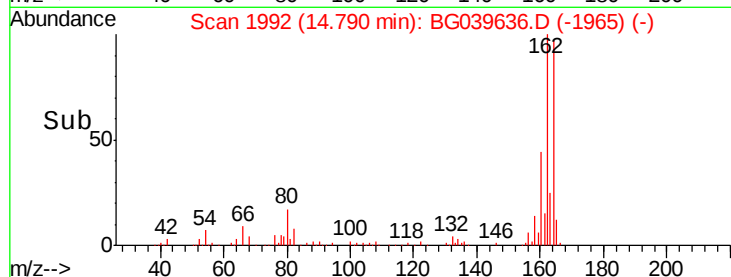
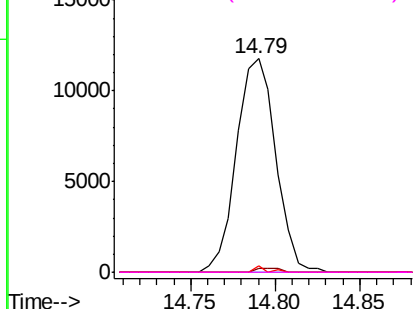


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

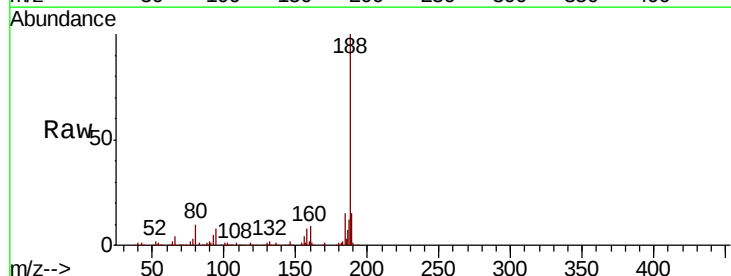
Ion 89.00 (88.70 to 89.70): BGC

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. -0.02 min
 Lab File: BG039636.D
 Acq: 27 Feb 2019 15:59

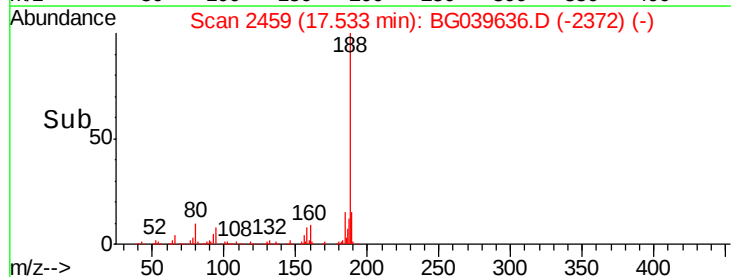
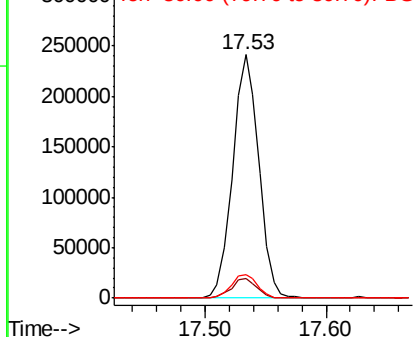
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.9	10.3
80	9.8	8.1	12.1

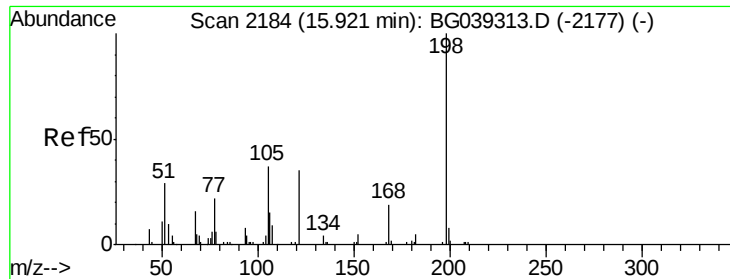


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

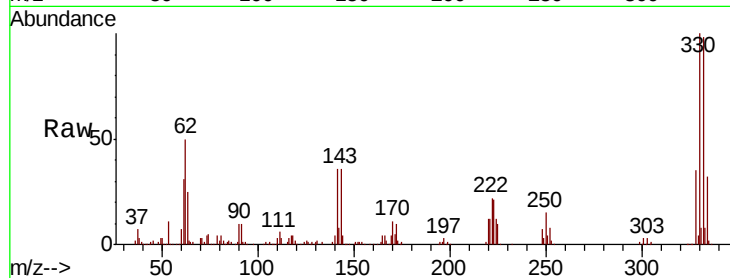




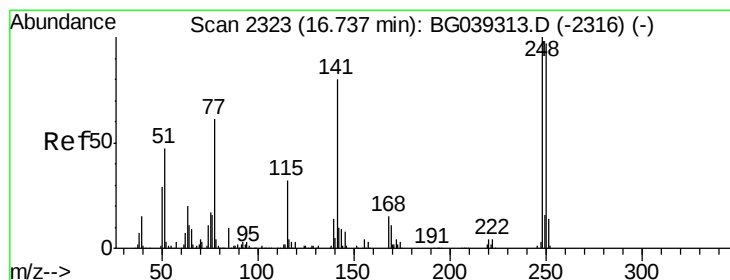
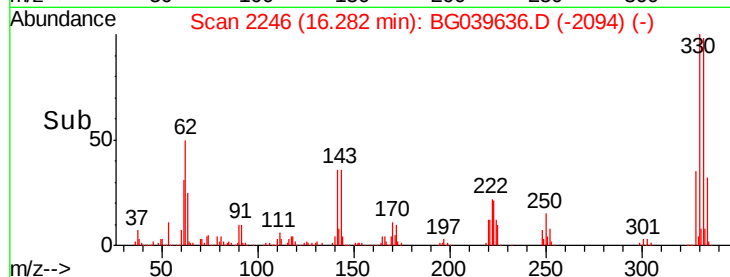
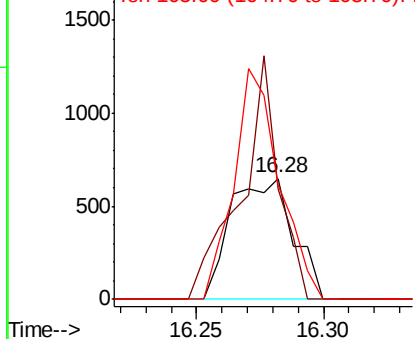
#65
 4,6-Dinitro-2-methylphenol
 Concen: 5.159 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. 0.36 min
 Lab File: BG039636.D
 Acq: 27 Feb 2019 15:59

Instrument :
 BNA_G
 ClientSampleId :
 B-9(7.5-8.5)

Tgt Ion:198 Resp: 1115
 Ion Ratio Lower Upper
 198 100
 51 91.8 27.4 67.4#
 105 95.1 19.7 59.7#

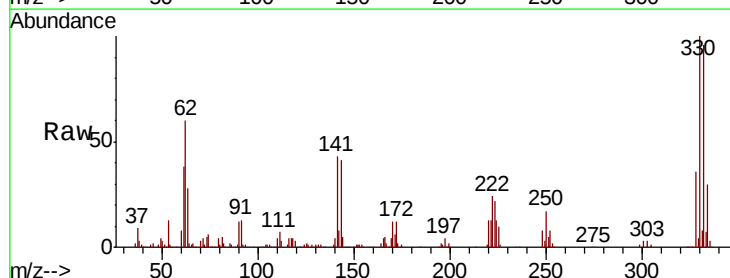


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

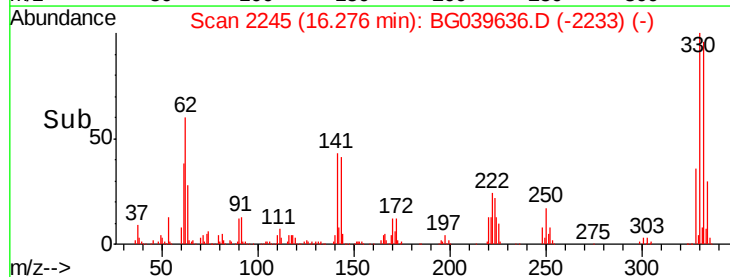
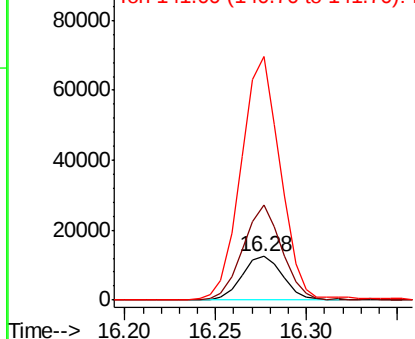


#67
 4-Bromophenyl-phenylether
 Concen: 4.855 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039636.D
 Acq: 27 Feb 2019 15:59

Tgt Ion:248 Resp: 19552
 Ion Ratio Lower Upper
 248 100
 250 216.5 77.6 116.4#
 141 557.4 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: BG039636.D

Acq: 27 Feb 2019 15:59

Instrument :

BNA_G

ClientSampleId :

B-9(7.5-8.5)

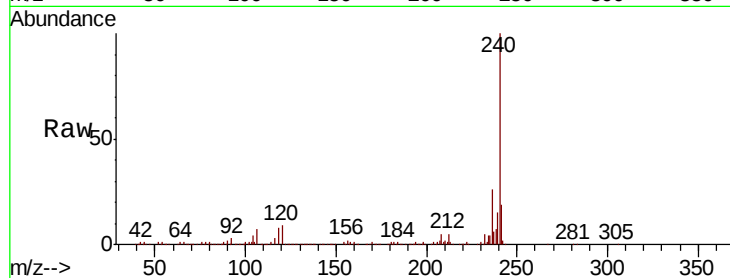
Tgt Ion:240 Resp: 394802

Ion Ratio Lower Upper

240 100

120 9.0 7.0 10.6

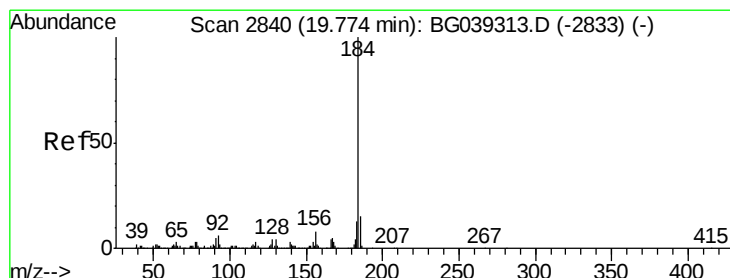
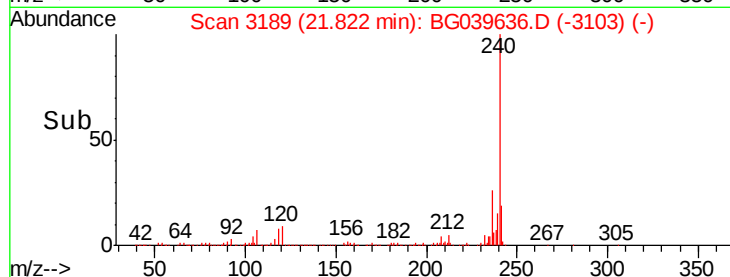
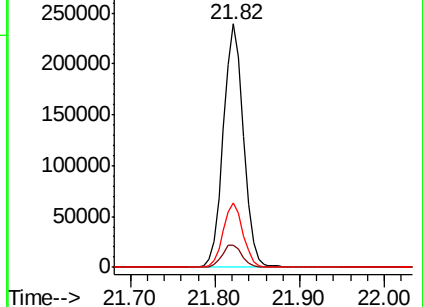
236 26.3 21.0 31.4



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



#77

Benzidine

Concen: 2.102 ng

RT: 20.12 min Scan# 2900

Delta R.T. 0.35 min

Lab File: BG039636.D

Acq: 27 Feb 2019 15:59

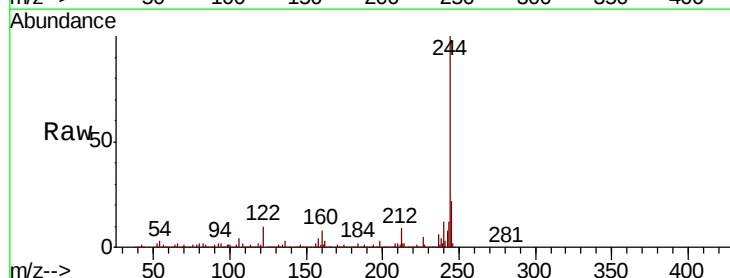
Tgt Ion:184 Resp: 27212

Ion Ratio Lower Upper

184 100

185 15.8 12.2 18.2

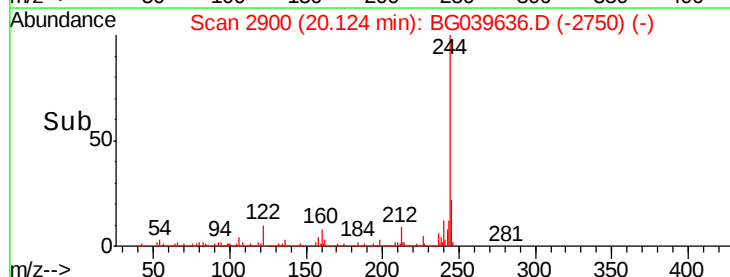
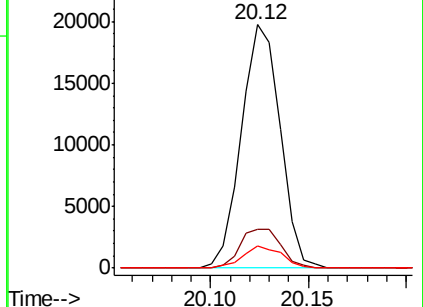
183 9.2 10.6 15.8#



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: 78.936 ng

RT: 20.12 min Scan# 2900

Delta R.T. -0.03 min

Lab File: BG039636.D

Acq: 27 Feb 2019 15:59

Instrument :

BNA_G

ClientSampleId :

B-9(7.5-8.5)

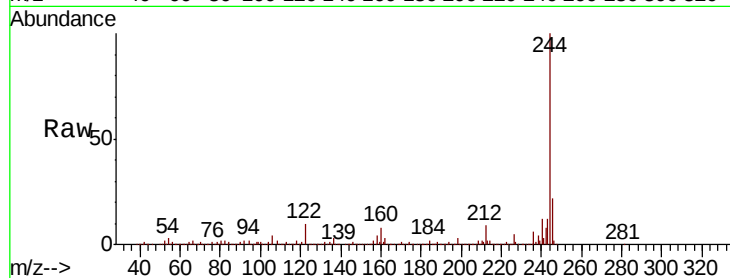
Tgt Ion:244 Resp: 1472299

Ion Ratio Lower Upper

244 100

212 9.4 7.3 10.9

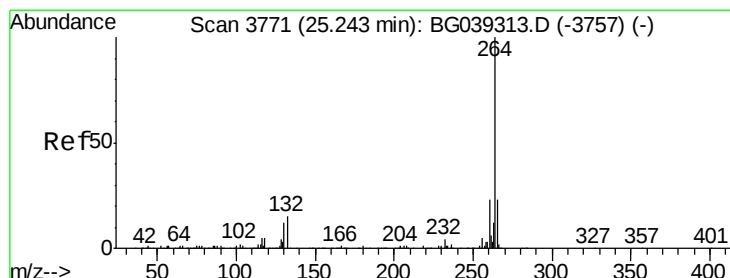
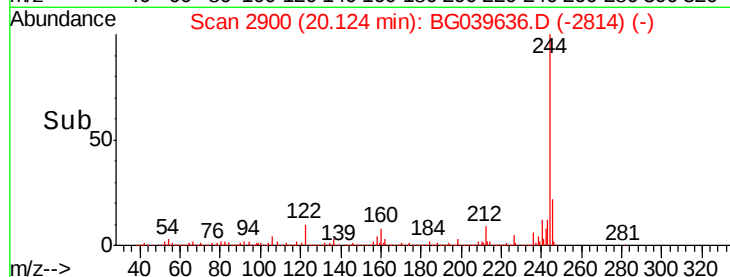
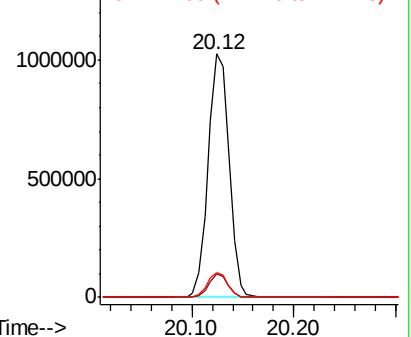
122 10.3 8.4 12.6



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: BG039636.D

Acq: 27 Feb 2019 15:59

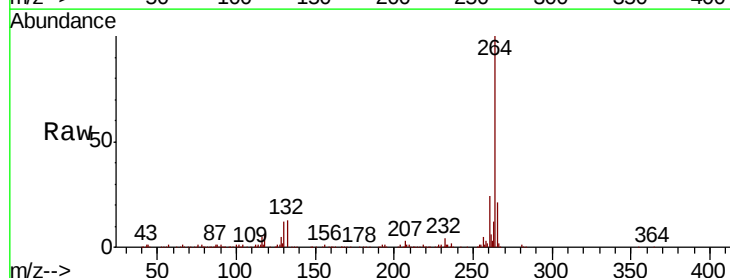
Tgt Ion:264 Resp: 403371

Ion Ratio Lower Upper

264 100

260 24.1 18.2 27.4

265 20.7 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

