

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022719\
 Data File : BG039633.D
 Acq On : 27 Feb 2019 14:00
 Operator : JU/SJ
 Sample : K1594-24
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-2(8-9)

Quant Time: Feb 27 23:56:17 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	53796	20.00	ng	-0.01
21) Naphthalene-d8	10.98	136	220901	20.00	ng	-0.03
39) Acenaphthene-d10	14.79	164	153543	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	382005	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	388192	20.00	ng	-0.03
87) Perylene-d12	25.20	264	401158	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	500368	159.19	ng	0.00
7) Phenol-d6	7.32	99	707257	152.86	ng	0.00
23) Nitrobenzene-d5	9.34	82	415787	117.59	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	287976	174.17	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	931721	87.05	ng	-0.02
79) Terphenyl-d14	20.12	244	1465330	79.90	ng	-0.03

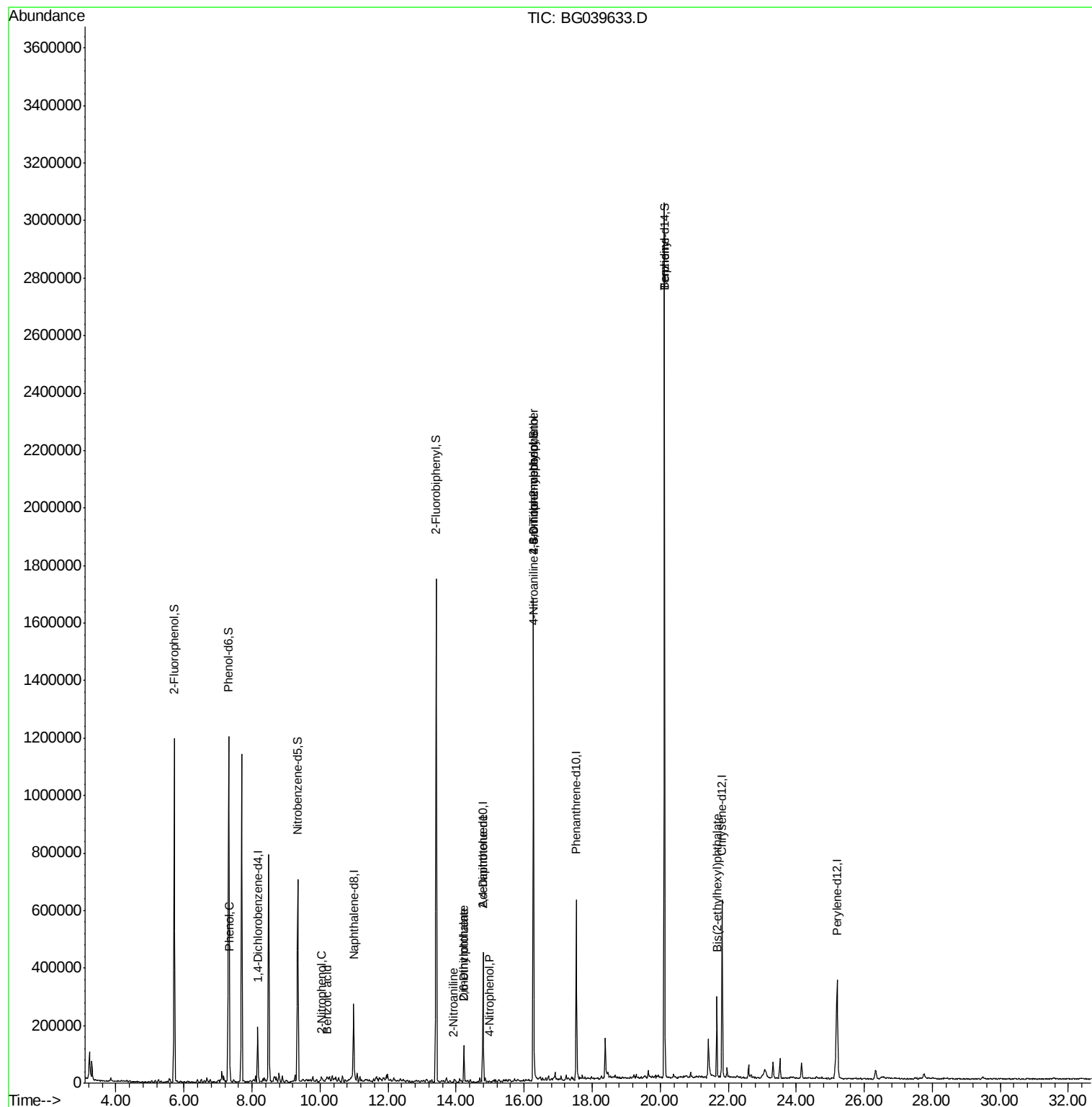
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.32	77	1693	Below Cal		# 4
10) Phenol	7.34	94	44172	9.159	ng	# 97
26) 2-Nitrophenol	10.03	139	53	4.047	ng	# 30
32) Benzoic acid	10.19	122	67	9.047	ng	# 1
48) 2-Nitroaniline	13.92	65	58	8.314	ng	# 10
50) Dimethylphthalate	14.23	163	78453	6.326	ng	# 98
51) 2,6-Dinitrotoluene	14.23	165	1176	6.997	ng	# 38
56) 4-Nitrophenol	14.98	139	56	5.817	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	19998	13.463	ng	# 17
62) 4-Nitroaniline	16.26	138	67	4.226	ng	# 1
65) 4,6-Dinitro-2-methylphenol	16.28	198	1213	5.193	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	22350	5.274	ng	# 1
77) Benzidine	20.12	184	26803	2.106	ng	# 94
84) Bis(2-ethylhexyl)phthalate	21.67	149	118083	8.119	ng	# 98

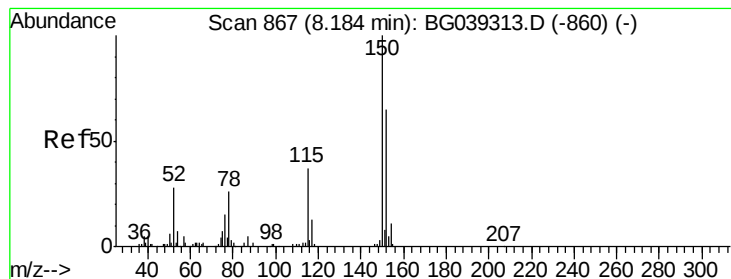
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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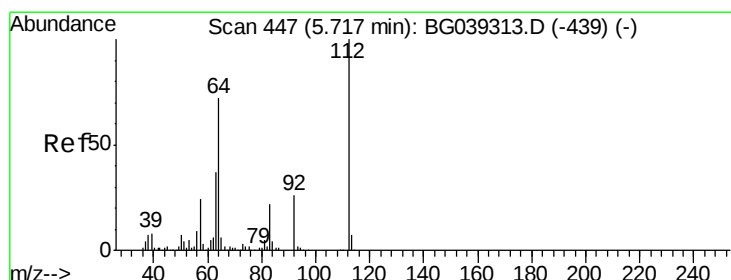
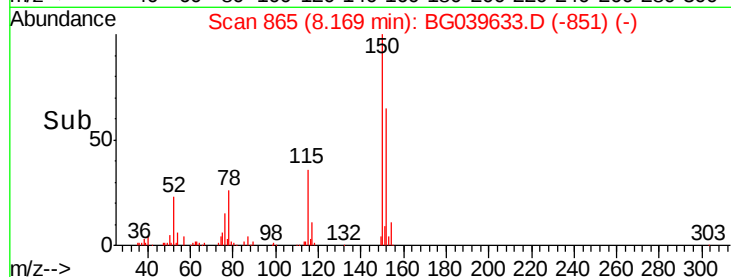
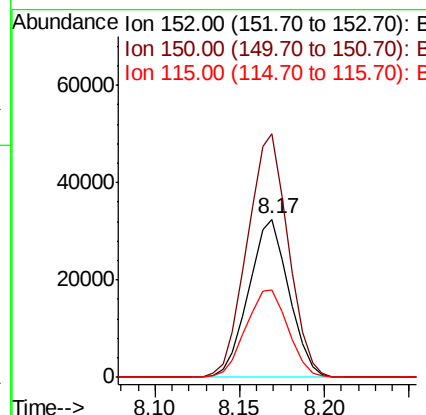
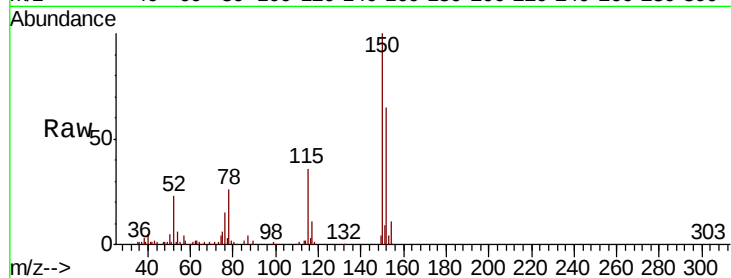


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.17 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: BG039633.D
 Acq: 27 Feb 2019 14:00

Instrument :
 BNA_G
 ClientSampleId :
 B-2(8-9)

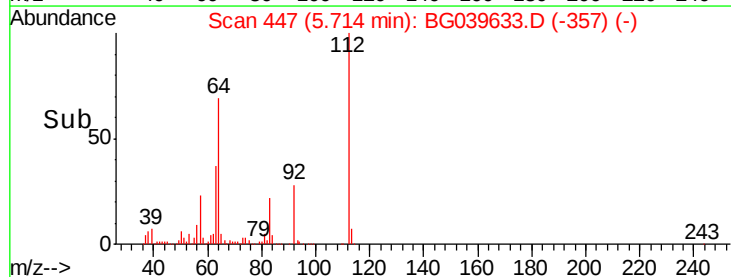
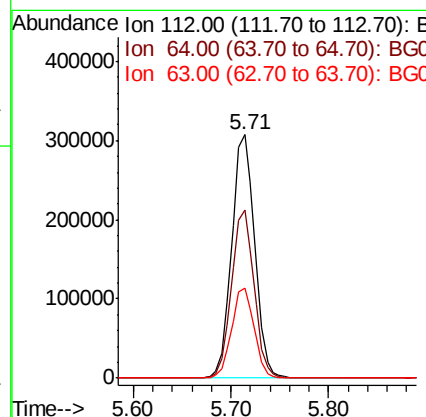
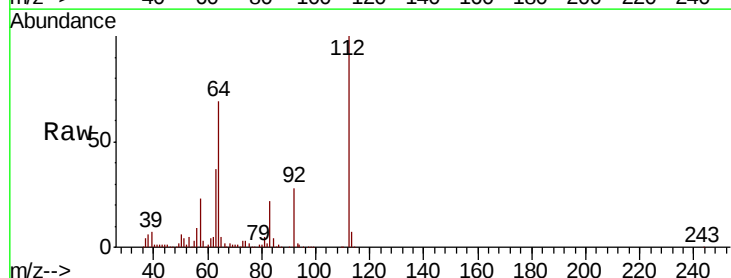
Tgt Ion:152 Resp: 53796
 Ion Ratio Lower Upper
 152 100
 150 153.9 123.7 185.5
 115 55.1 45.9 68.9

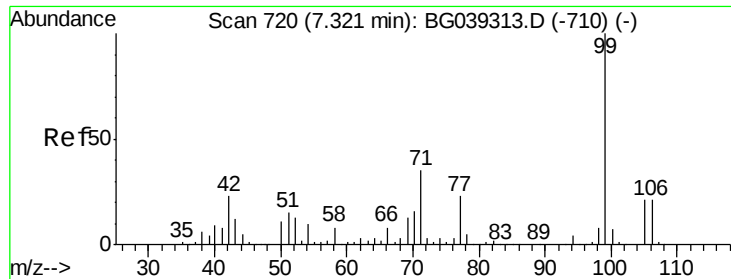


#5

2-Fluorophenol
 Concen: 159.191 ng
 RT: 5.71 min Scan# 447
 Delta R.T. -0.00 min
 Lab File: BG039633.D
 Acq: 27 Feb 2019 14:00

Tgt Ion:112 Resp: 500368
 Ion Ratio Lower Upper
 112 100
 64 69.0 57.8 86.8
 63 36.9 29.8 44.6





#7

Phenol-d6

Concen: 152.865 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG039633.D

Acq: 27 Feb 2019 14:00

Instrument :

BNA_G

ClientSampled :

B-2(8-9)

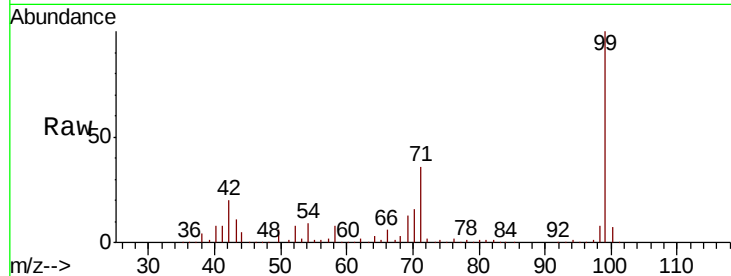
Tgt Ion: 99 Resp: 707257

Ion Ratio Lower Upper

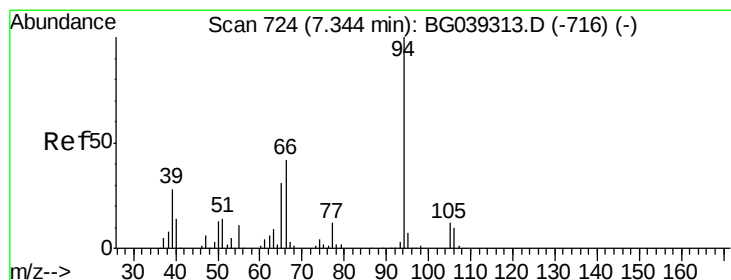
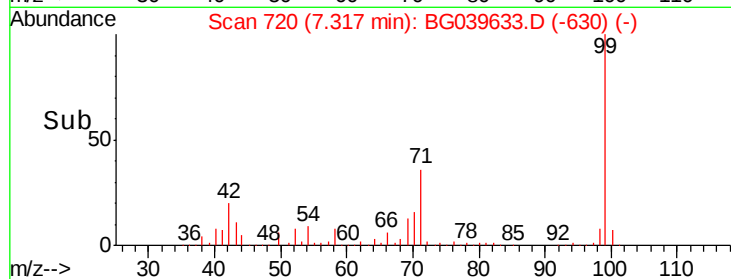
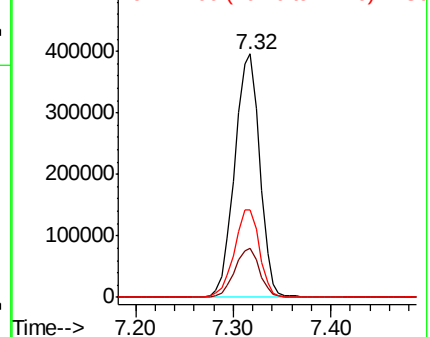
99 100

42 19.9 18.2 27.2

71 35.7 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



#10

Phenol

Concen: 9.159 ng

RT: 7.34 min Scan# 724

Delta R.T. -0.00 min

Lab File: BG039633.D

Acq: 27 Feb 2019 14:00

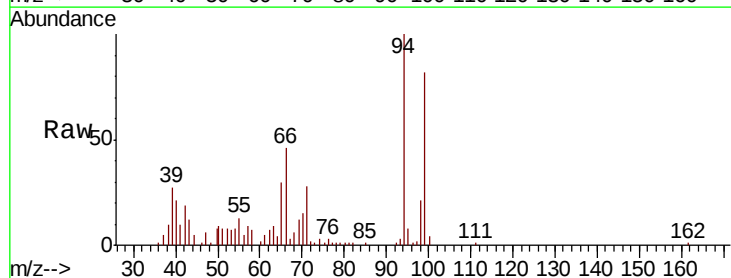
Tgt Ion: 94 Resp: 44172

Ion Ratio Lower Upper

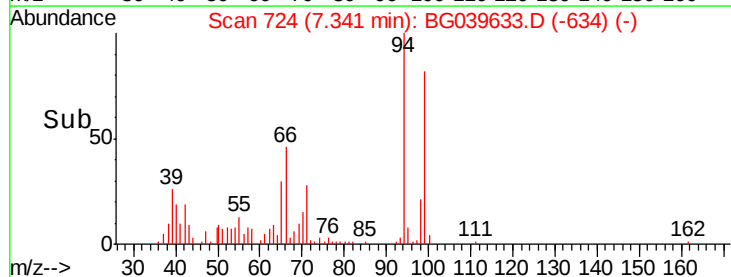
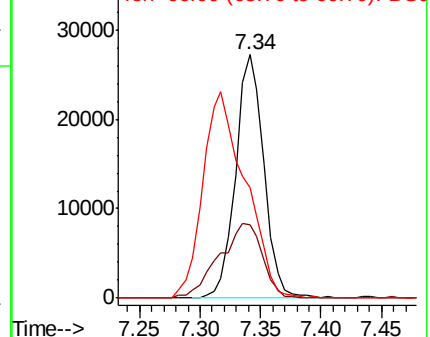
94 100

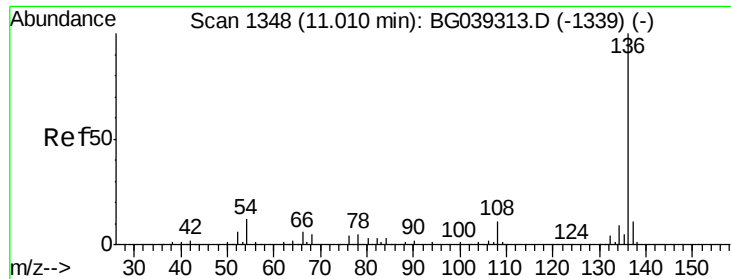
65 30.3 11.7 51.7

66 45.5 23.7 63.7



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

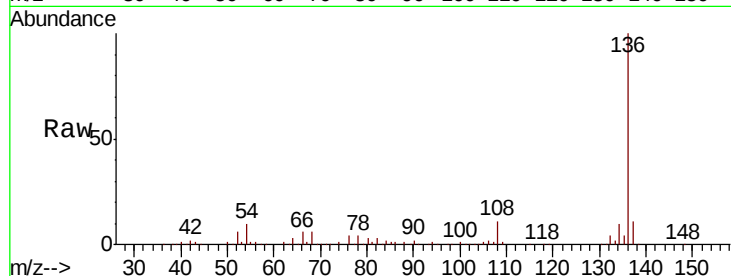




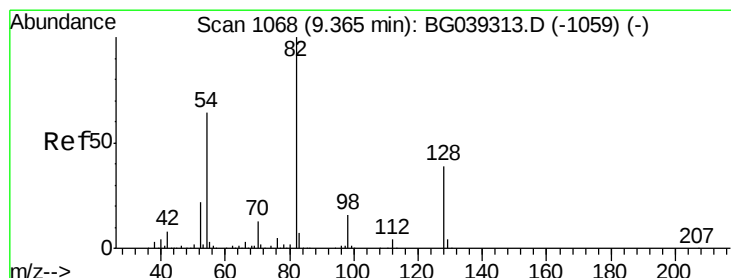
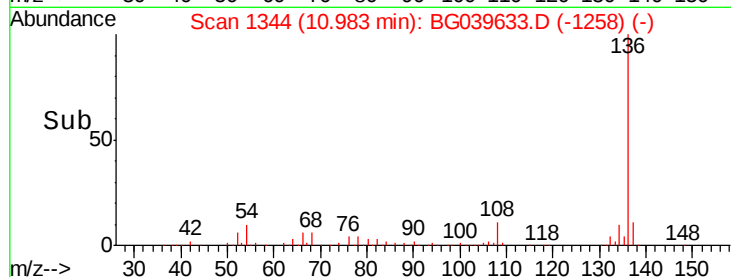
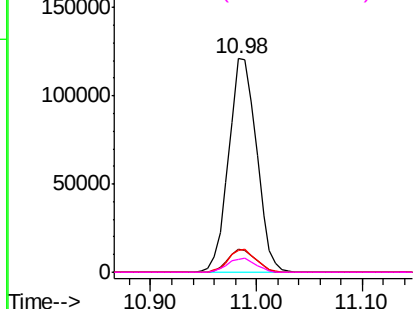
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1344
Delta R.T. -0.03 min
Lab File: BG039633.D
Acq: 27 Feb 2019 14:00

Instrument :
BNA_G
ClientSampleId :
B-2(8-9)

Tgt Ion:	136	Resp:	220901
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	9.9	9.4	14.2
68	5.9	4.2	6.4

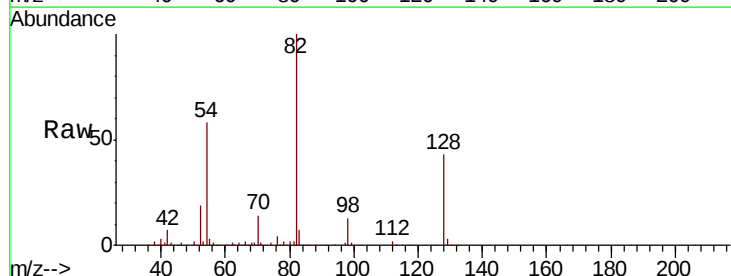


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

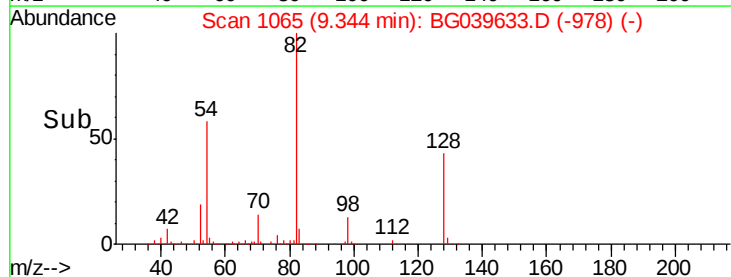
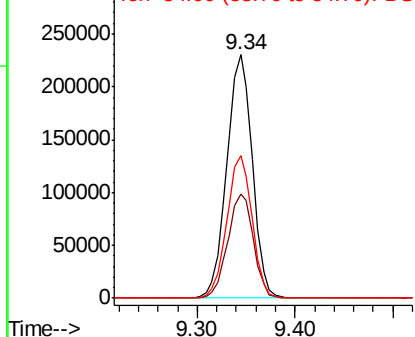


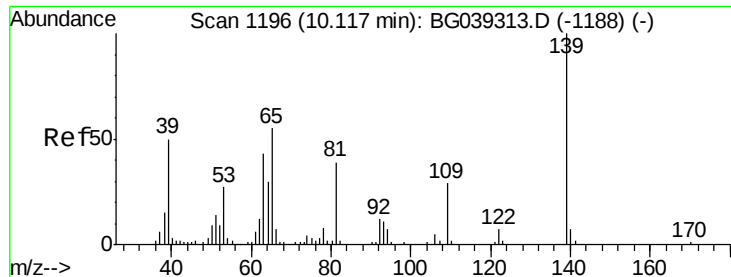
#23
Nitrobenzene-d5
Concen: 117.586 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039633.D
Acq: 27 Feb 2019 14:00

Tgt Ion:	82	Resp:	415787
Ion	Ratio	Lower	Upper
82	100		
128	42.7	31.3	46.9
54	58.5	50.9	76.3



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC





#26

2-Nitrophenol

Concen: 4.047 ng

RT: 10.03 min Scan# 1182

Delta R.T. -0.08 min

Lab File: BG039633.D

Acq: 27 Feb 2019 14:00

Instrument :

BNA_G

ClientSampleId :

B-2(8-9)

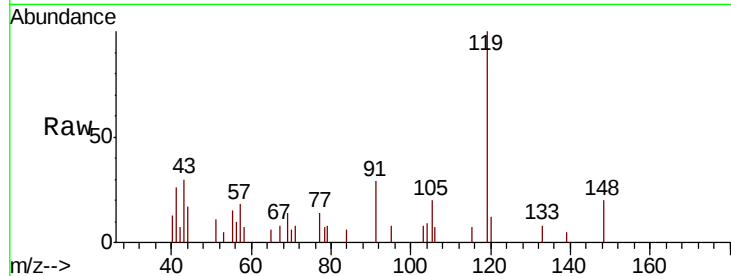
Tgt Ion:139 Resp: 53

Ion Ratio Lower Upper

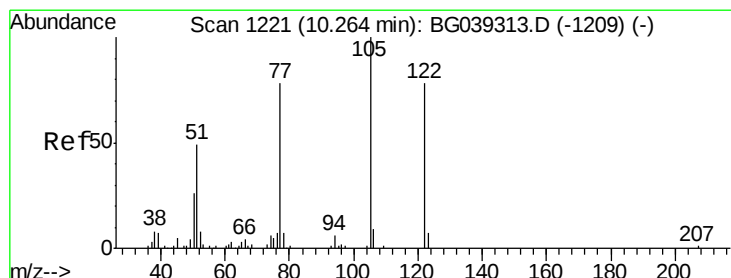
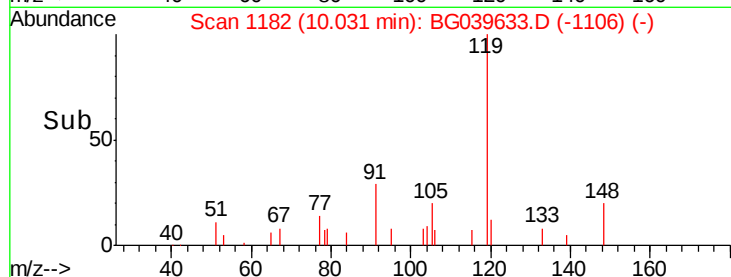
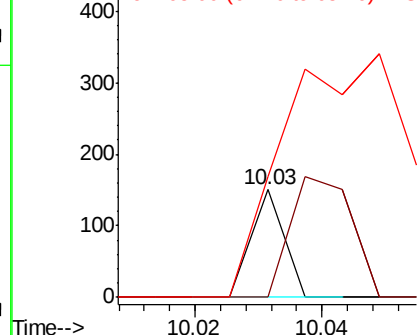
139 100

109 0.0 23.4 35.0#

65 112.7 44.3 66.5#



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



#32

Benzoic acid

Concen: 9.047 ng

RT: 10.19 min Scan# 1209

Delta R.T. -0.07 min

Lab File: BG039633.D

Acq: 27 Feb 2019 14:00

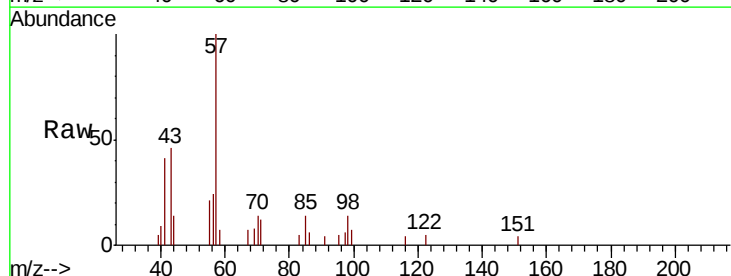
Tgt Ion:122 Resp: 67

Ion Ratio Lower Upper

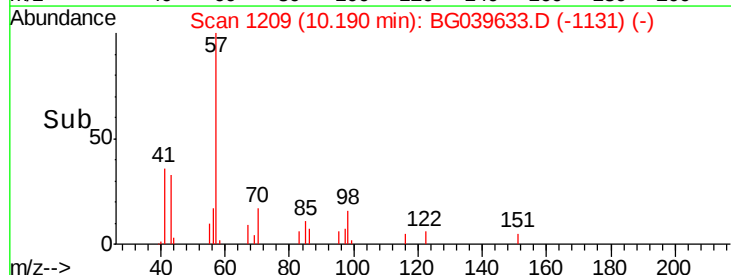
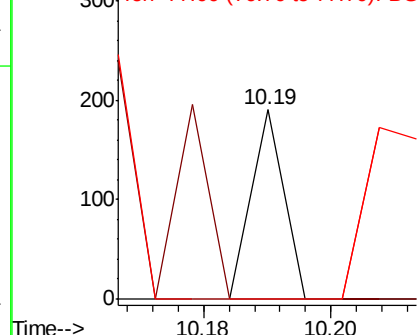
122 100

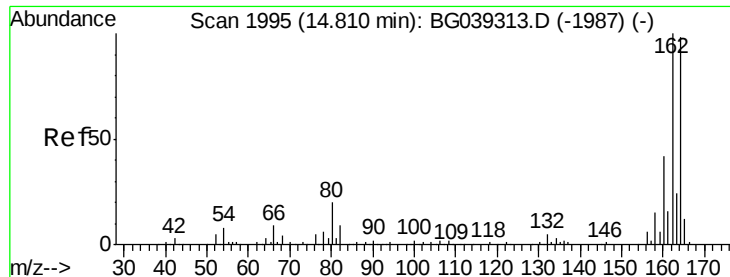
105 0.0 101.8 141.8#

77 0.0 76.3 116.3#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.02 min

Lab File: BG039633.D

Acq: 27 Feb 2019 14:00

Instrument :

BNA_G

ClientSampleId :

B-2(8-9)

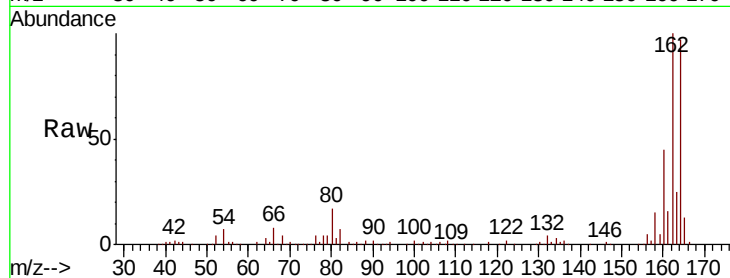
Tgt Ion:164 Resp: 153543

Ion Ratio Lower Upper

164 100

162 103.0 81.6 122.4

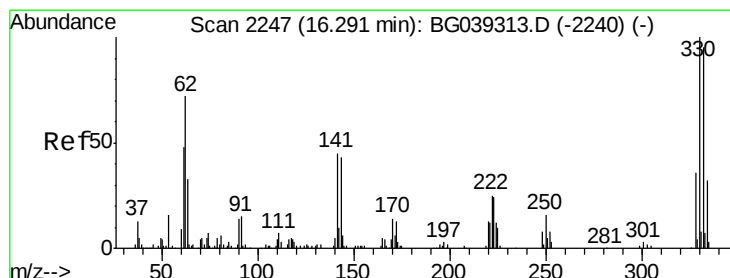
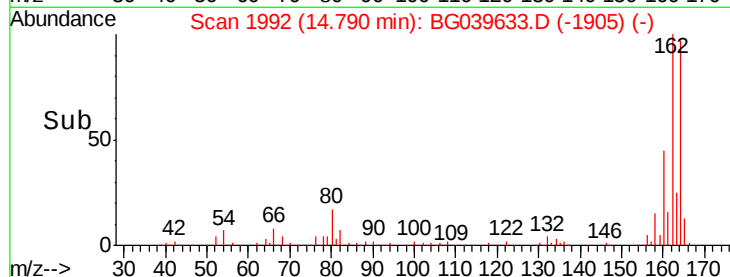
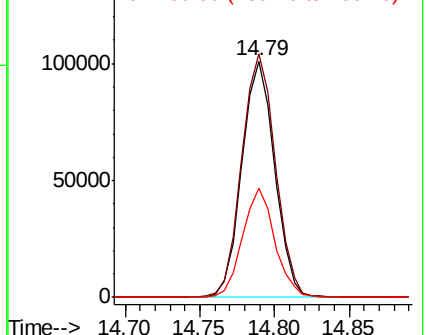
160 46.1 34.2 51.2



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: 174.173 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039633.D

Acq: 27 Feb 2019 14:00

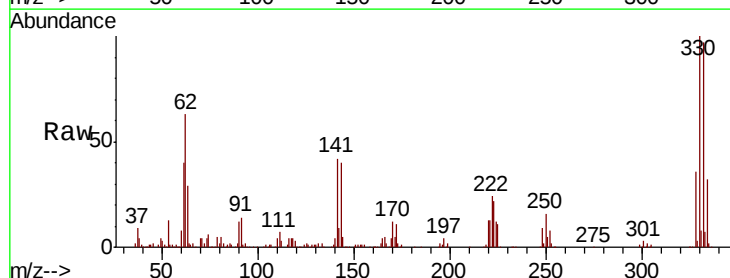
Tgt Ion:330 Resp: 287976

Ion Ratio Lower Upper

330 100

332 95.5 75.7 113.5

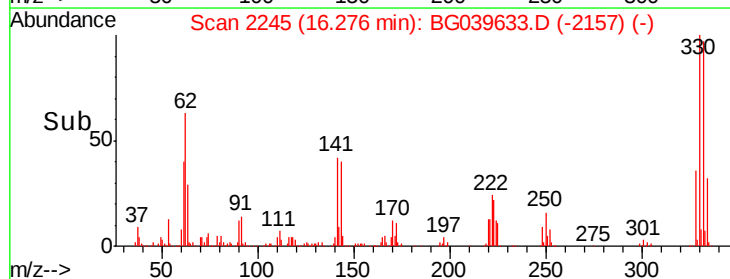
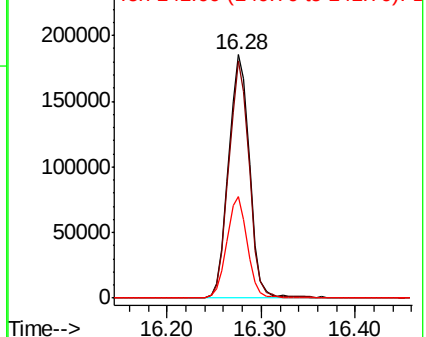
141 40.4 35.6 53.4

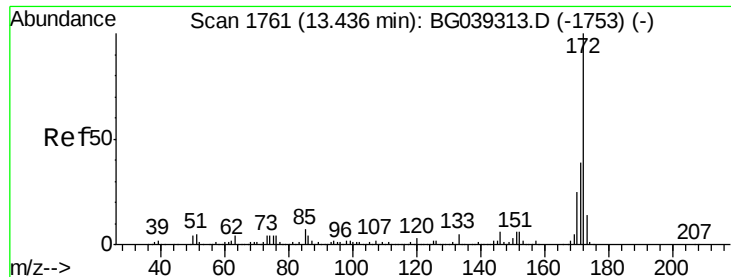


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

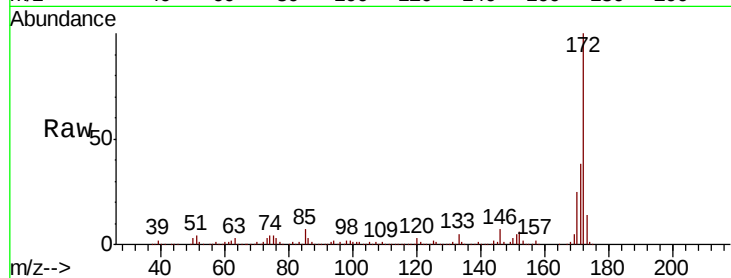




#45
 2-Fluorobiphenyl
 Concen: 87.051 ng
 RT: 13.42 min Scan# 1758
 Delta R.T. -0.02 min
 Lab File: BG039633.D
 Acq: 27 Feb 2019 14:00

Instrument :
 BNA_G
 ClientSampleId :
 B-2(8-9)

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.9	30.8	46.2
170	25.2	20.2	30.4

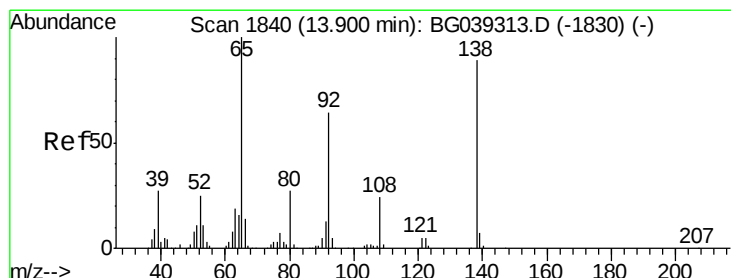
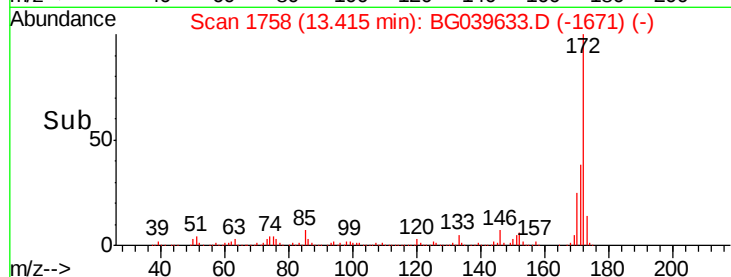
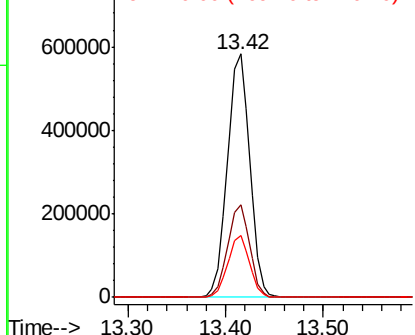


Abundance

Ion 172.00 (171.70 to 172.70): E

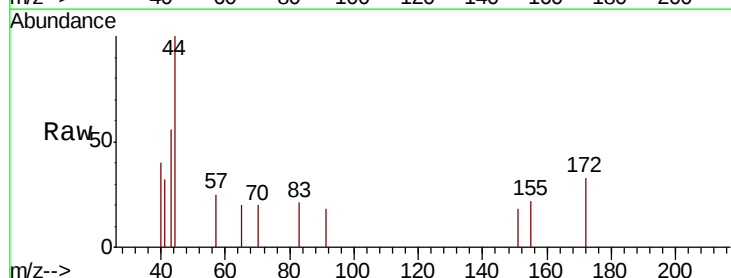
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#48
 2-Nitroaniline
 Concen: 8.314 ng
 RT: 13.92 min Scan# 1844
 Delta R.T. 0.02 min
 Lab File: BG039633.D
 Acq: 27 Feb 2019 14:00

Tgt Ion	Ratio	Lower	Upper
65	100		
92	0.0	51.4	77.2#
138	0.0	71.4	107.2#

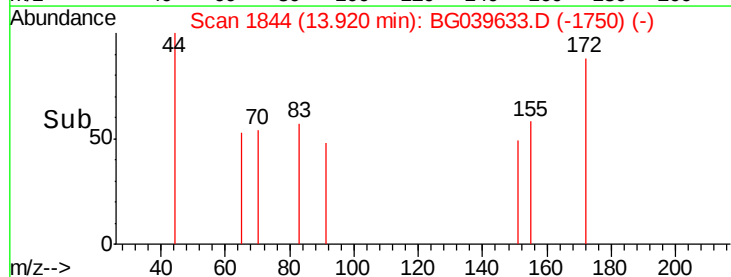
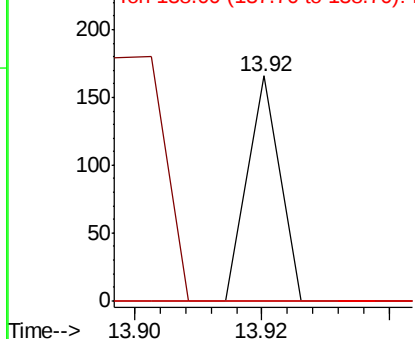


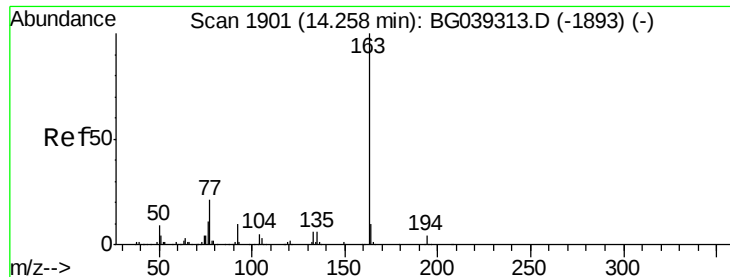
Abundance

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): E





#50

Dimethylphthalate

Concen: 6.326 ng

RT: 14.23 min Scan# 1897

Delta R.T. -0.03 min

Lab File: BG039633.D

Acq: 27 Feb 2019 14:00

Instrument :

BNA_G

ClientSampleId :

B-2(8-9)

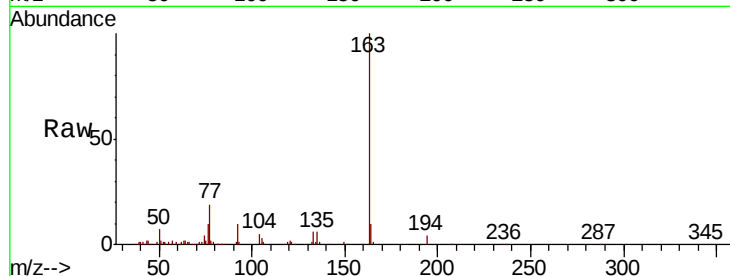
Tgt Ion:163 Resp: 78453

Ion Ratio Lower Upper

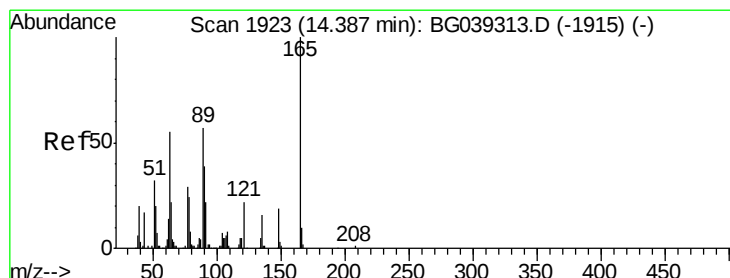
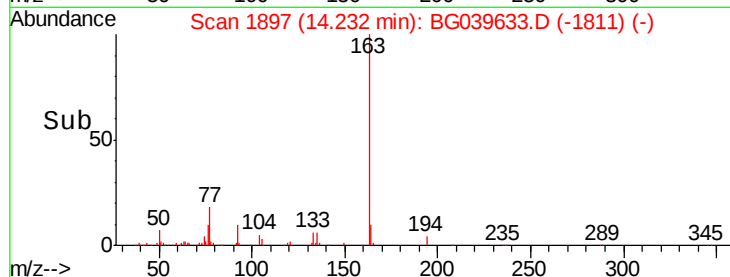
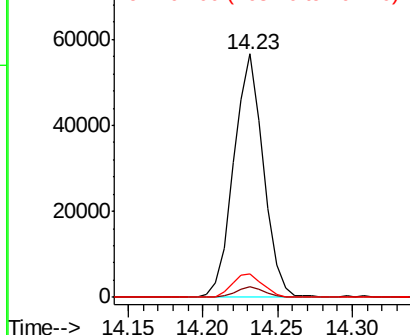
163 100

194 4.3 3.6 5.4

164 9.5 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: 6.997 ng

RT: 14.23 min Scan# 1896

Delta R.T. -0.16 min

Lab File: BG039633.D

Acq: 27 Feb 2019 14:00

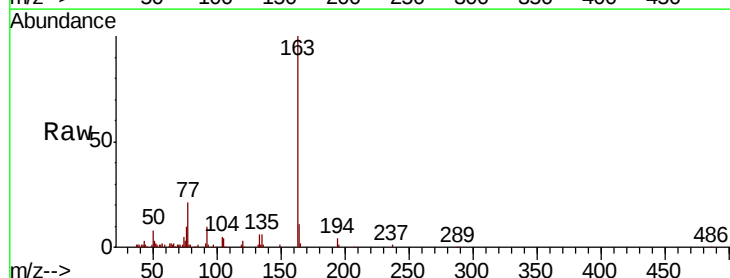
Tgt Ion:165 Resp: 1176

Ion Ratio Lower Upper

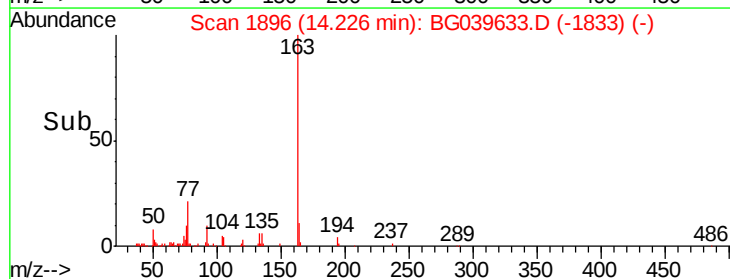
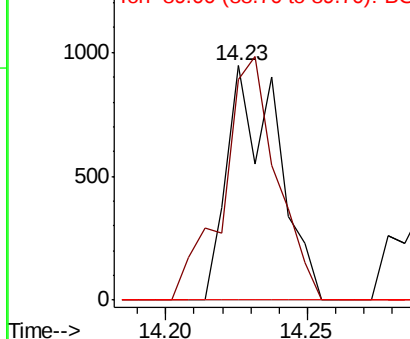
165 100

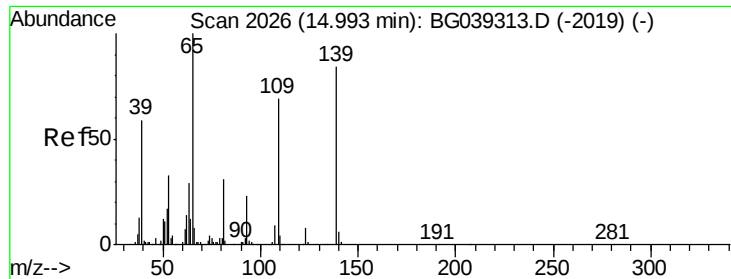
63 94.5 47.0 70.6#

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

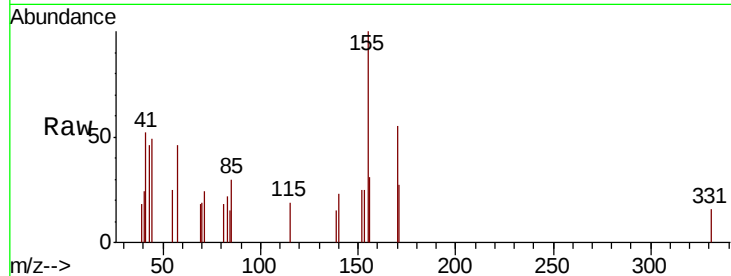




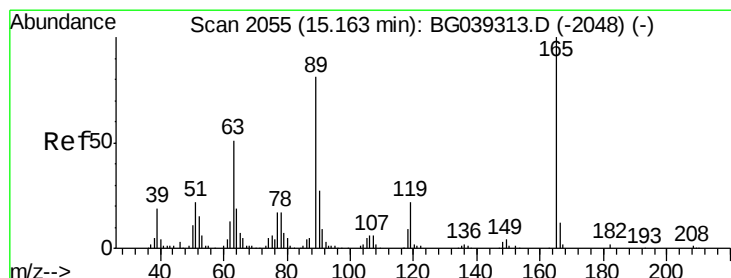
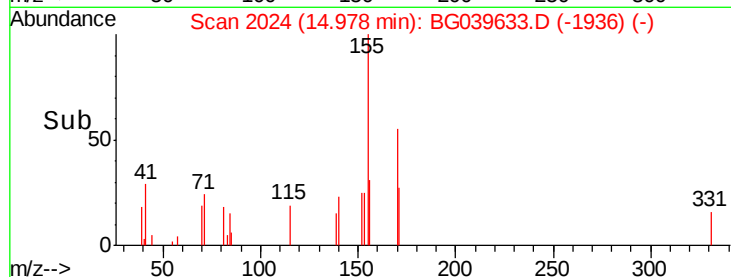
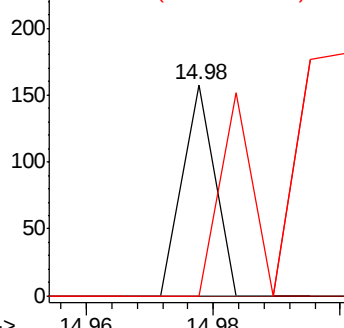
#56
4-Nitrophenol
Concen: 5.817 ng
RT: 14.98 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BG039633.D
Acq: 27 Feb 2019 14:00

Instrument :
BNA_G
ClientSampleId :
B-2(8-9)

Tgt Ion:139 Resp: 56
Ion Ratio Lower Upper
139 100
109 0.0 61.9 101.9#
65 0.0 99.1 139.1#

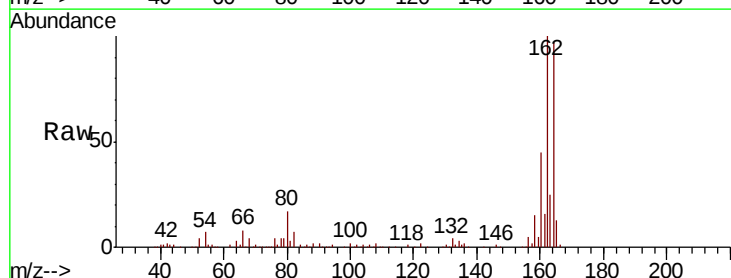


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

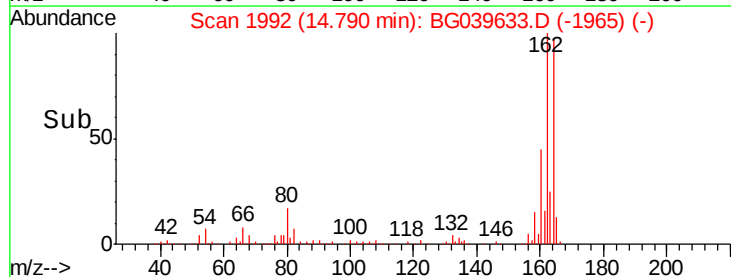
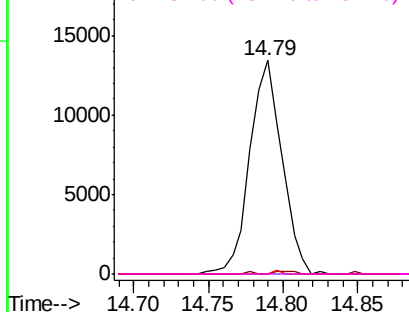


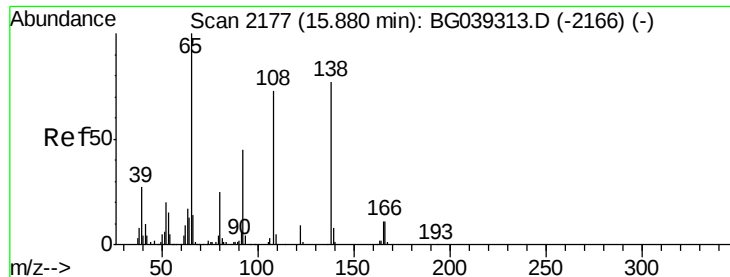
#57
2,4-Dinitrotoluene
Concen: 13.463 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.37 min
Lab File: BG039633.D
Acq: 27 Feb 2019 14:00

Tgt Ion:165 Resp: 19998
Ion Ratio Lower Upper
165 100
63 0.0 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

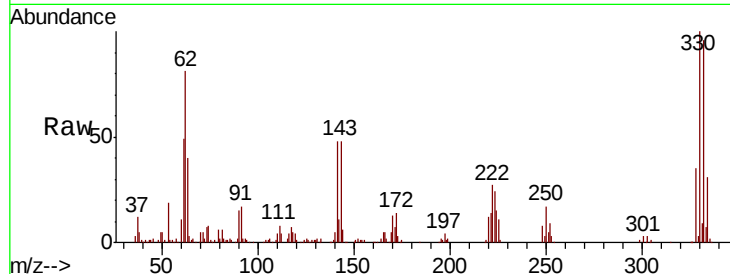




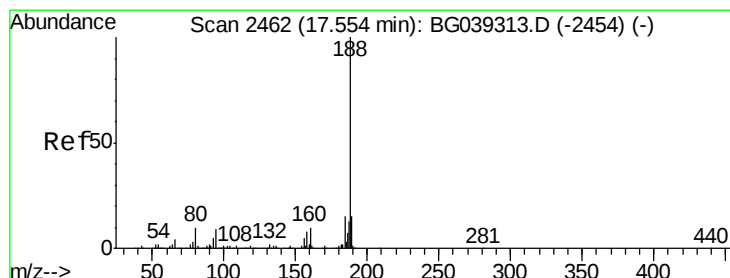
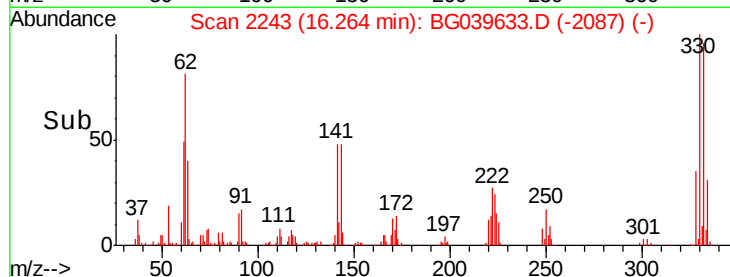
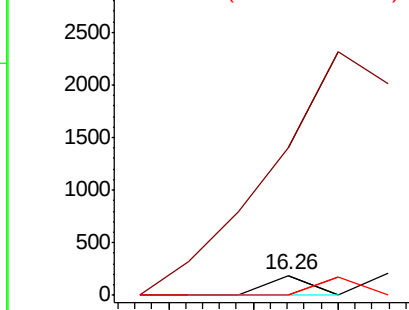
#62
4-Nitroaniline
Concen: 4.226 ng
RT: 16.26 min Scan# 2243
Delta R.T. 0.39 min
Lab File: BG039633.D
Acq: 27 Feb 2019 14:00

Instrument :
BNA_G
ClientSampleId :
B-2(8-9)

Tgt Ion:138 Resp: 67
Ion Ratio Lower Upper
138 100
92 739.2 38.7 78.7#
108 0.0 74.6 114.6#

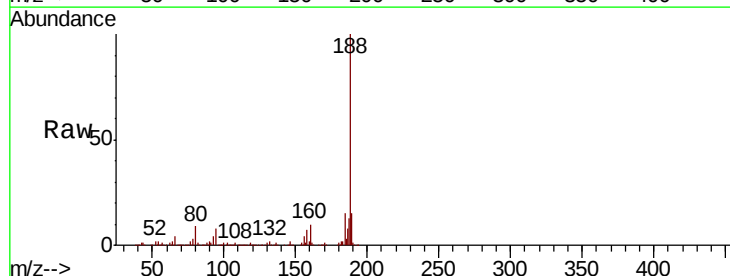


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BG
Ion 108.00 (107.70 to 108.70): E

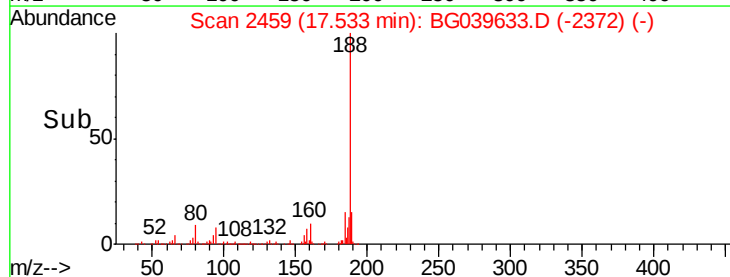
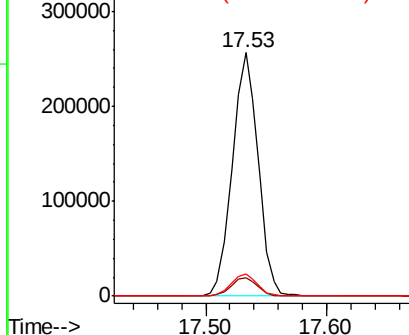


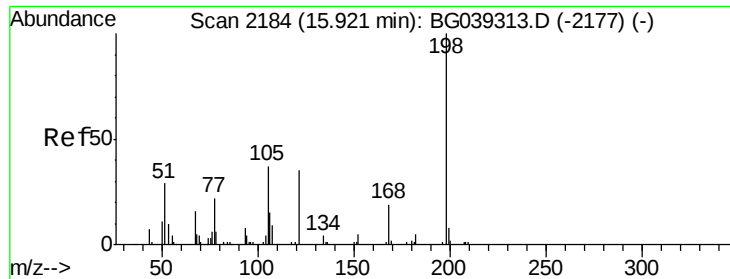
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.53 min Scan# 2459
Delta R.T. -0.02 min
Lab File: BG039633.D
Acq: 27 Feb 2019 14:00

Tgt Ion:188 Resp: 382005
Ion Ratio Lower Upper
188 100
94 7.7 6.9 10.3
80 9.3 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

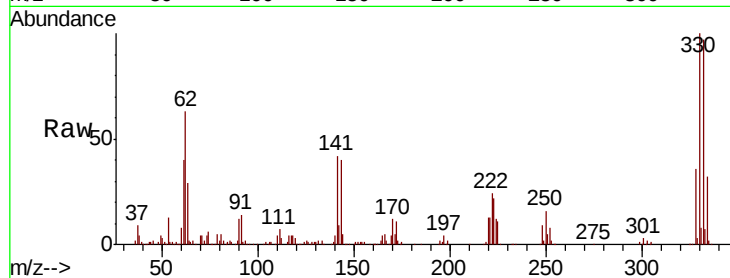




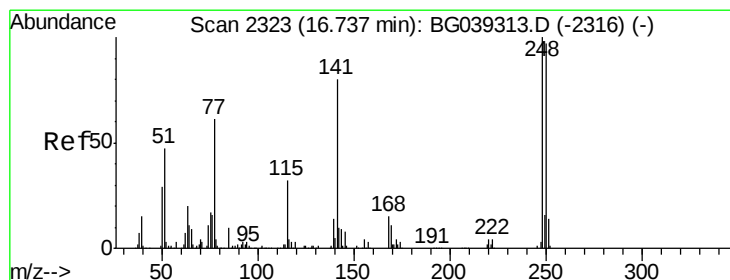
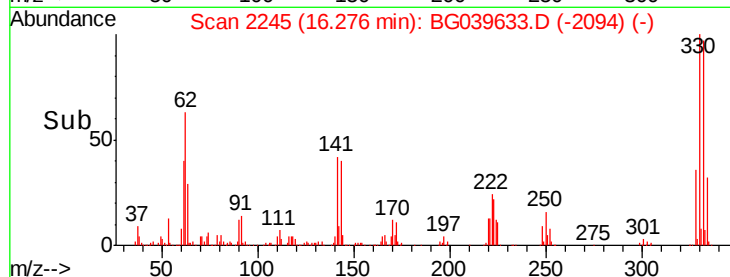
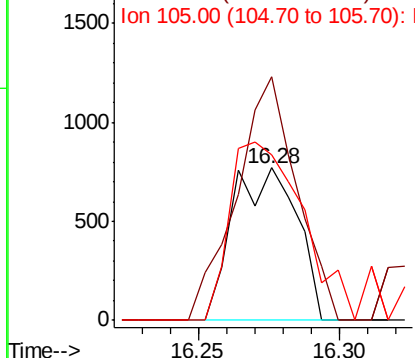
#65
 4,6-Dinitro-2-methylphenol
 Concen: 5.193 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. 0.36 min
 Lab File: BG039633.D
 Acq: 27 Feb 2019 14:00

Instrument :
 BNA_G
 ClientSampleId :
 B-2(8-9)

Tgt Ion:198 Resp: 1213
 Ion Ratio Lower Upper
 198 100
 51 159.9 27.4 67.4#
 105 108.4 19.7 59.7#

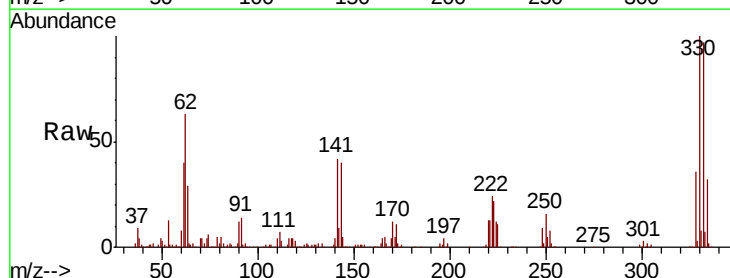


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

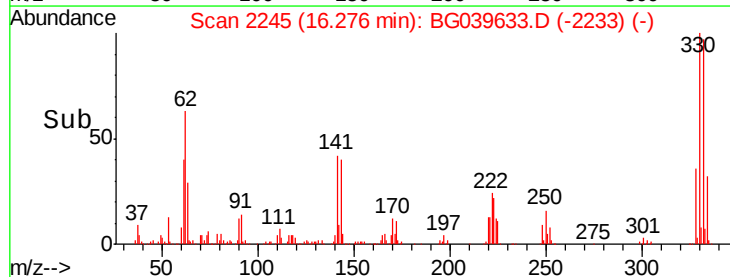
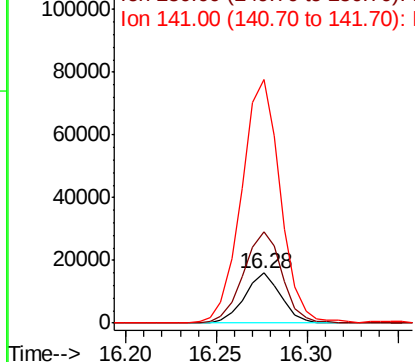


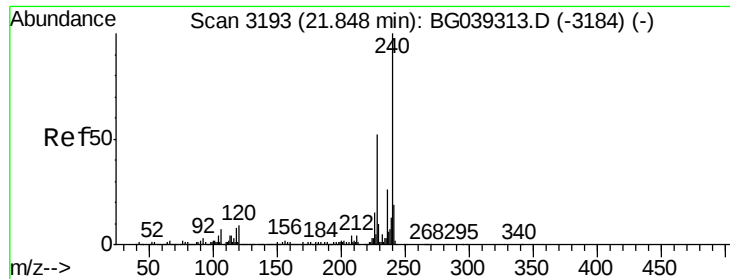
#67
 4-Bromophenyl-phenylether
 Concen: 5.274 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039633.D
 Acq: 27 Feb 2019 14:00

Tgt Ion:248 Resp: 22350
 Ion Ratio Lower Upper
 248 100
 250 184.6 77.6 116.4#
 141 489.7 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

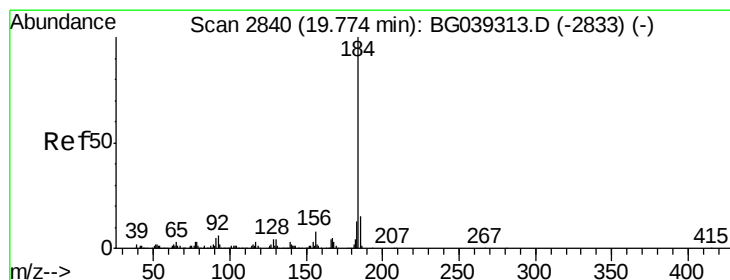
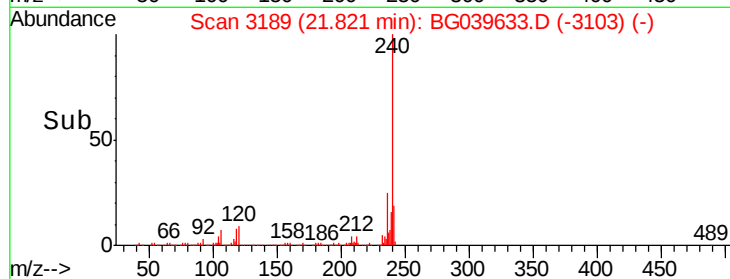
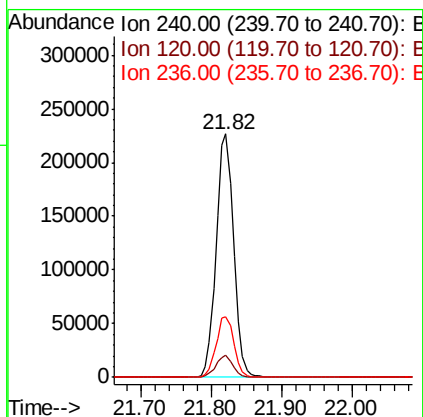
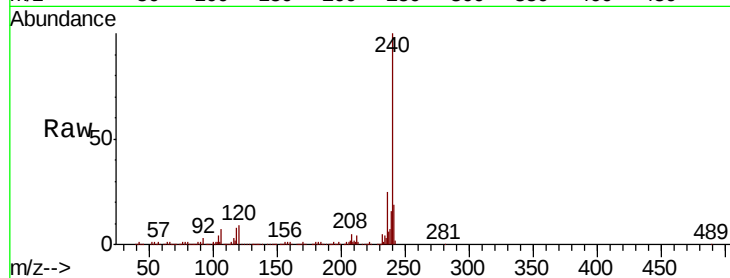




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3189
 Delta R.T. -0.03 min
 Lab File: BG039633.D
 Acq: 27 Feb 2019 14:00

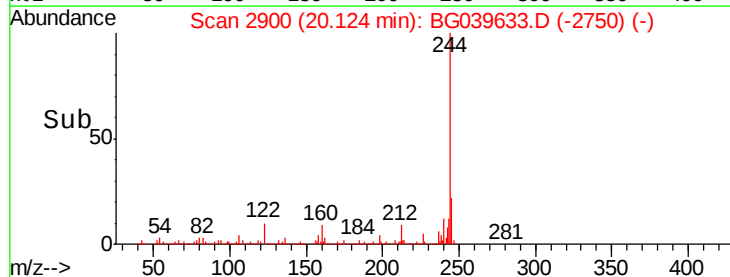
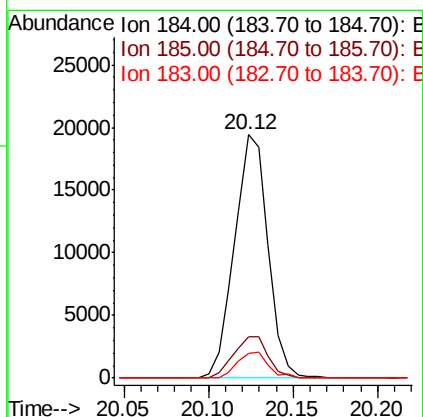
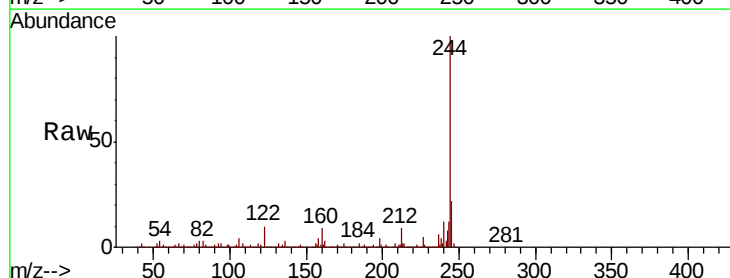
Instrument :
 BNA_G
 ClientSampleId :
 B-2(8-9)

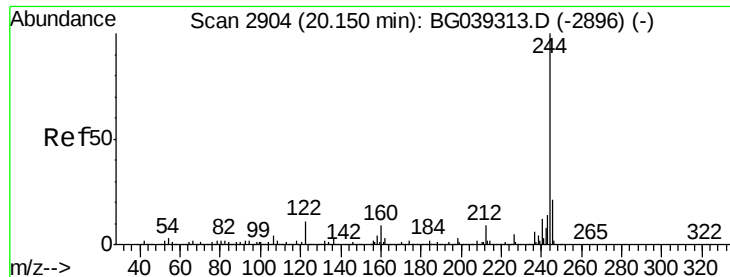
Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.9	7.0	10.6
236	24.6	21.0	31.4



#77
 Benzidine
 Concen: 2.106 ng
 RT: 20.12 min Scan# 2900
 Delta R.T. 0.35 min
 Lab File: BG039633.D
 Acq: 27 Feb 2019 14:00

Tgt Ion	Ratio	Lower	Upper
184	100		
185	17.0	12.2	18.2
183	10.2	10.6	15.8#





#79

Terphenyl-d14

Concen: 79.900 ng

RT: 20.12 min Scan# 2900

Delta R.T. -0.03 min

Lab File: BG039633.D

Acq: 27 Feb 2019 14:00

Instrument :

BNA_G

ClientSampleId :

B-2(8-9)

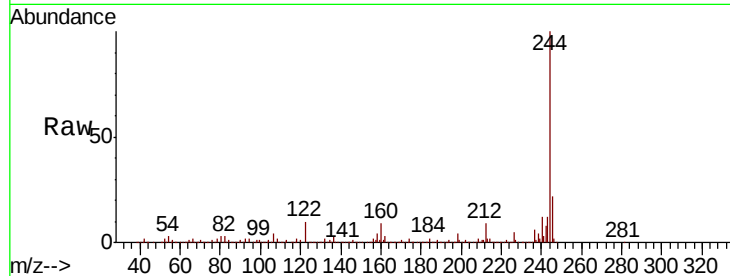
Tgt Ion:244 Resp: 1465330

Ion Ratio Lower Upper

244 100

212 9.1 7.3 10.9

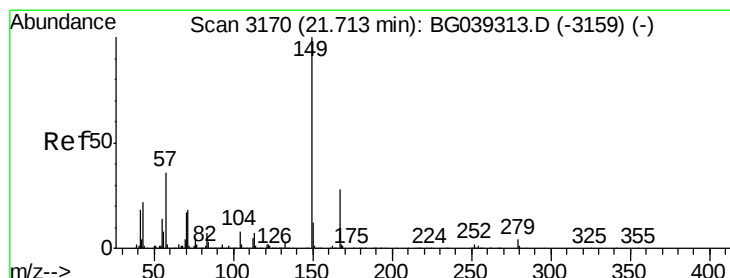
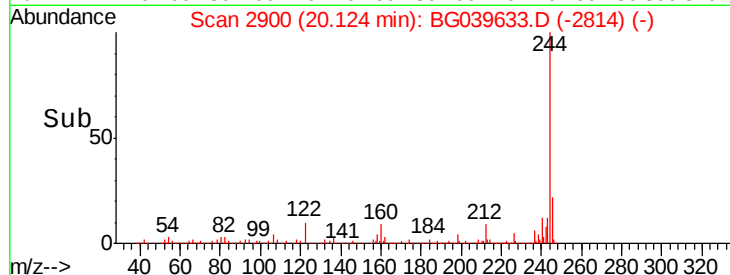
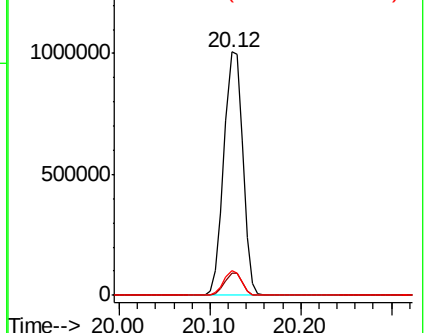
122 10.4 8.4 12.6



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.119 ng

RT: 21.67 min Scan# 3163

Delta R.T. -0.04 min

Lab File: BG039633.D

Acq: 27 Feb 2019 14:00

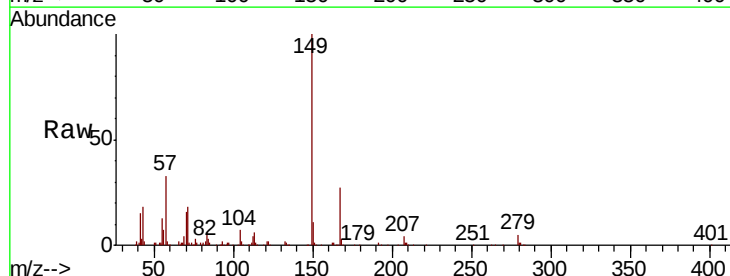
Tgt Ion:149 Resp: 118083

Ion Ratio Lower Upper

149 100

167 27.1 22.6 34.0

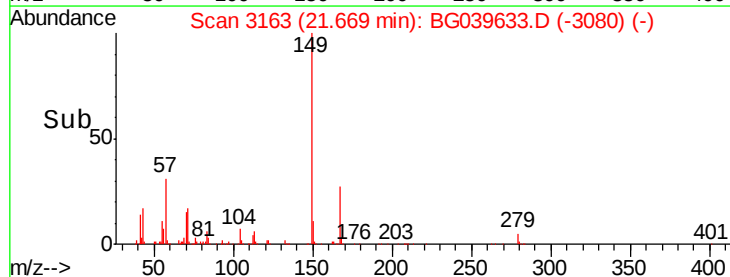
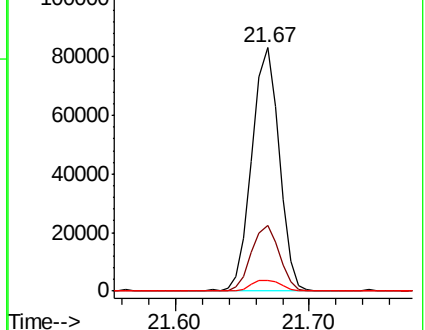
279 4.6 3.5 5.3

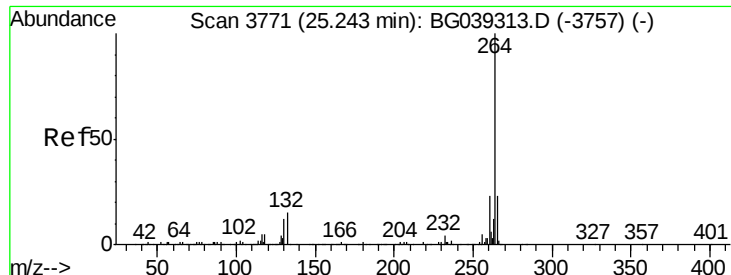


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

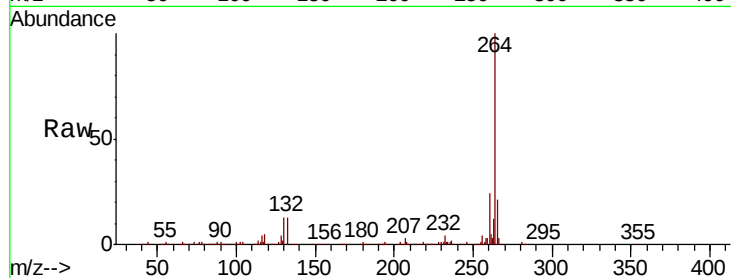




#87
Perylene-d12
Concen: 20.000 ng
RT: 25.20 min Scan# 3764
Delta R.T. -0.04 min
Lab File: BG039633.D
Acq: 27 Feb 2019 14:00

Instrument :
BNA_G
ClientSampleId :
B-2(8-9)

Tgt Ion:	264	Resp:	401158
Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.2	27.4
265	21.3	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

