

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG013019\
 Data File : BG039337.D
 Acq On : 30 Jan 2019 21:11
 Operator : JU/SJ
 Sample : K1282-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-2

Quant Time: Jan 31 05:43:07 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	47353	20.00	ng	0.00
21) Naphthalene-d8	11.00	136	195635	20.00	ng	0.00
39) Acenaphthene-d10	14.80	164	128461	20.00	ng	0.00
64) Phenanthrene-d10	17.55	188	321080	20.00	ng	0.00
76) Chrysene-d12	21.84	240	343216	20.00	ng	-0.01
87) Perylene-d12	25.23	264	340882	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.72	112	374207	135.25	ng	0.00
7) Phenol-d6	7.31	99	494160	121.34	ng	0.00
23) Nitrobenzene-d5	9.36	82	337923	107.91	ng	0.00
42) 2,4,6-Tribromophenol	16.29	330	208130	150.46	ng	0.00
45) 2-Fluorobiphenyl	13.43	172	818285	91.38	ng	0.00
79) Terphenyl-d14	20.14	244	1390347	85.75	ng	0.00

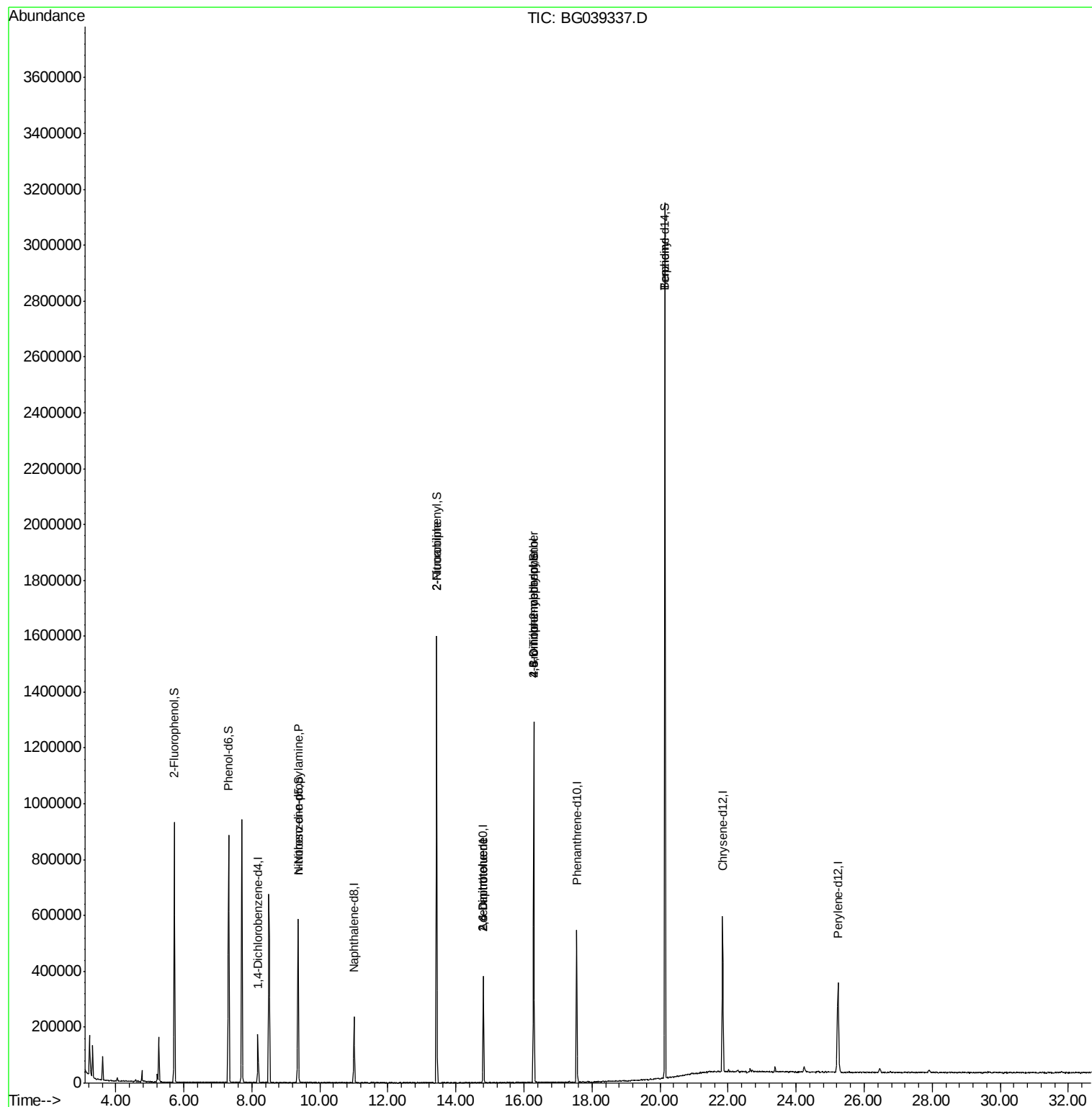
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	1030	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.36	70	43857	15.173	ng	# 74
48) 2-Nitroaniline	13.43	65	1474	8.824	ng	# 1
51) 2,6-Dinitrotoluene	14.80	165	16619	13.959	ng	# 23
57) 2,4-Dinitrotoluene	14.80	165	16619	13.425	ng	# 19
65) 4,6-Dinitro-2-methylphenol	16.28	198	714	4.888	ng	# 1
67) 4-Bromophenyl-phenylether	16.29	248	16358	4.592	ng	# 1
77) Benzidine	20.14	184	24753	2.200	ng	# 93

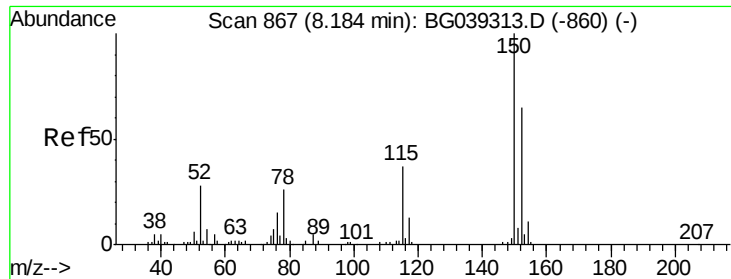
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jan 29 15:41:51 2019
Response via : Initial Calibration



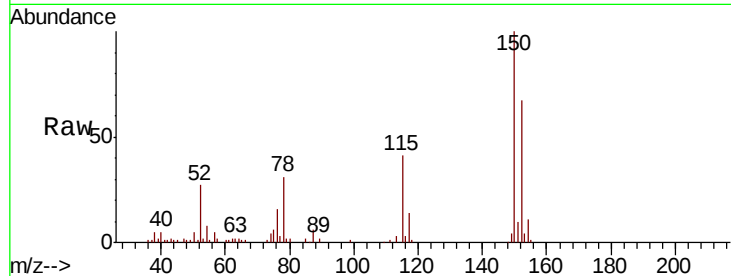


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.18 min Scan# 867
Delta R.T. 0.00 min
Lab File: BG039337.D
Acq: 30 Jan 2019 21:11

Instrument :
BNA_G
ClientSampled :
TP-2

Tgt Ion	Ratio	Lower	Upper
152	100		
150	148.2	123.7	185.5
115	60.3	45.9	68.9

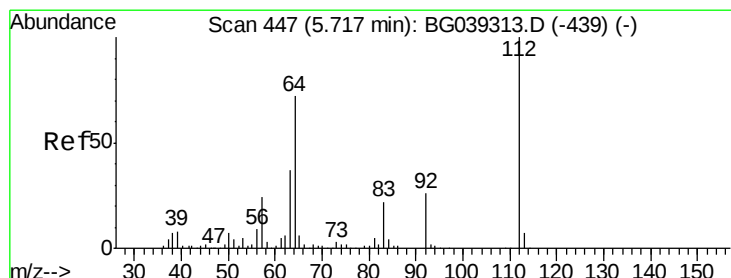
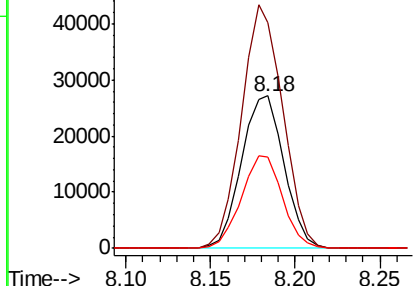
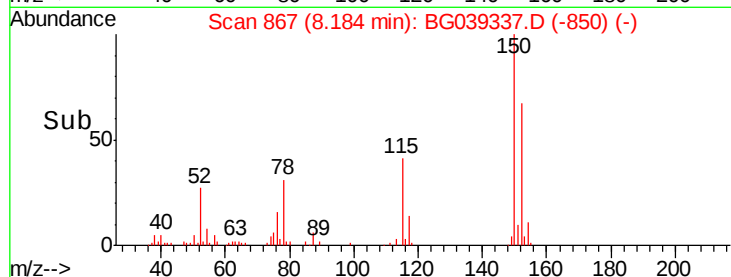


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

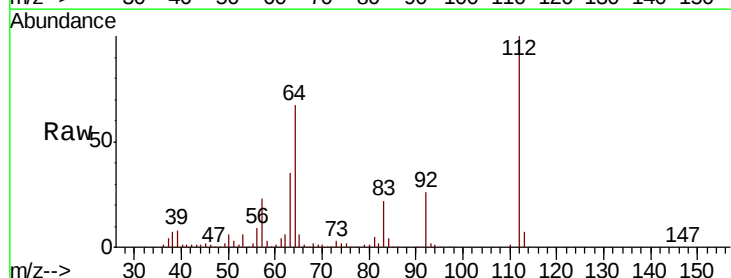
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 135.252 ng
RT: 5.72 min Scan# 448
Delta R.T. 0.01 min
Lab File: BG039337.D
Acq: 30 Jan 2019 21:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.4	57.8	86.8
63	35.1	29.8	44.6

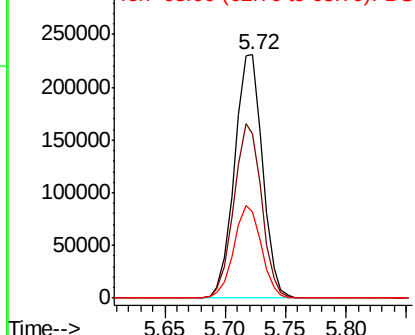
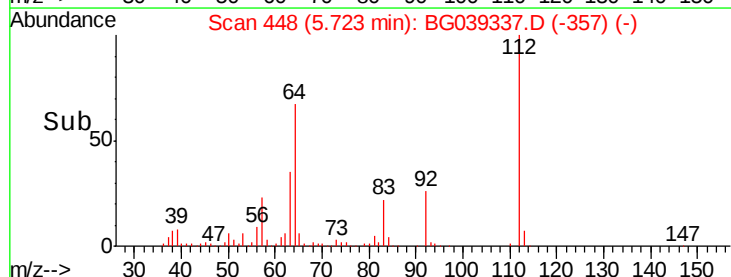


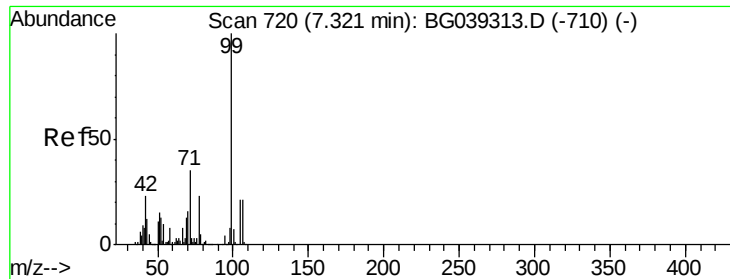
Abundance

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: 121.339 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039337.D

Acq: 30 Jan 2019 21:11

Instrument :

BNA_G

ClientSampleId :

TP-2

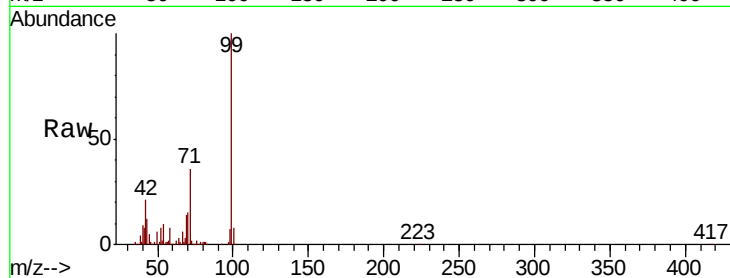
Tgt Ion: 99 Resp: 494160

Ion Ratio Lower Upper

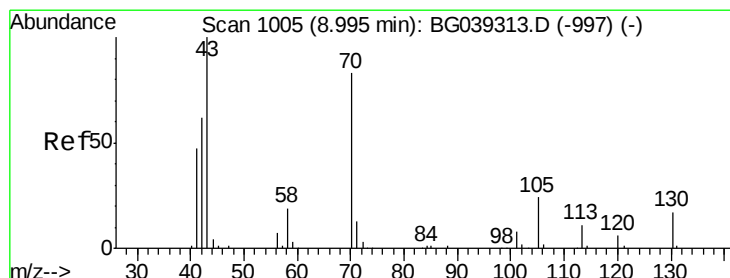
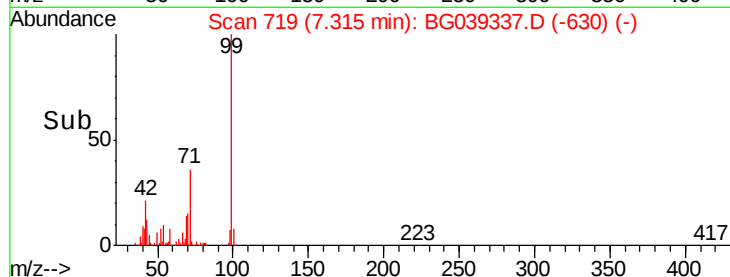
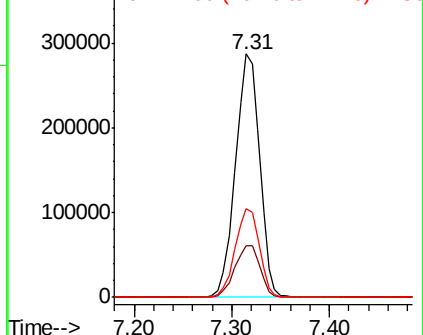
99 100

42 21.2 18.2 27.2

71 36.4 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: 15.173 ng

RT: 9.36 min Scan# 1067

Delta R.T. 0.36 min

Lab File: BG039337.D

Acq: 30 Jan 2019 21:11

Tgt Ion: 70 Resp: 43857

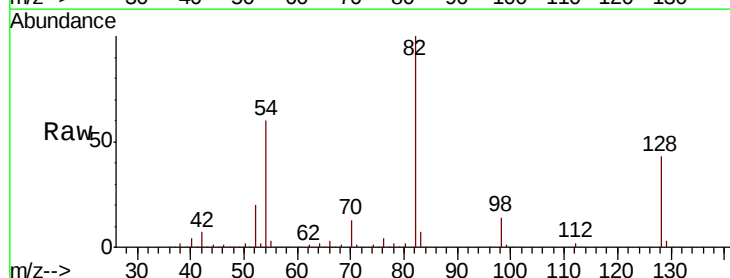
Ion Ratio Lower Upper

70 100

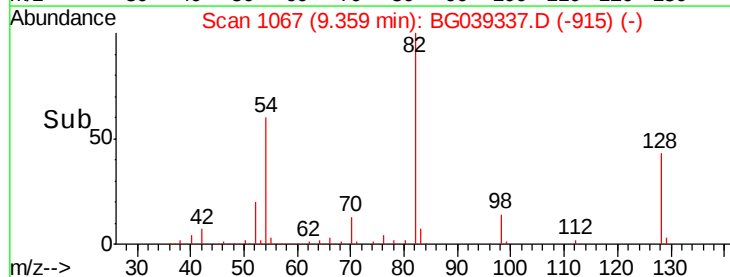
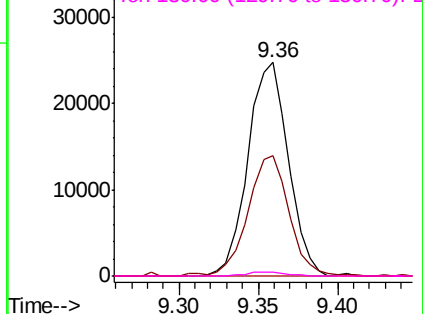
42 56.5 60.4 90.6#

101 0.0 7.5 11.3#

130 1.8 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

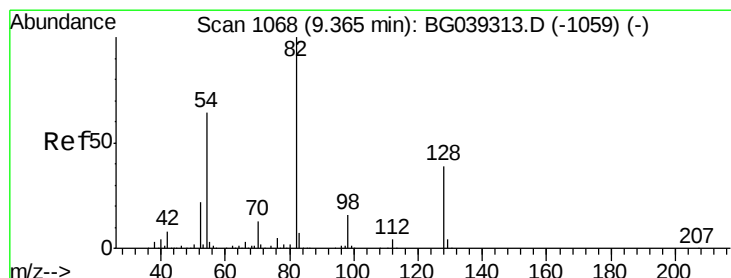
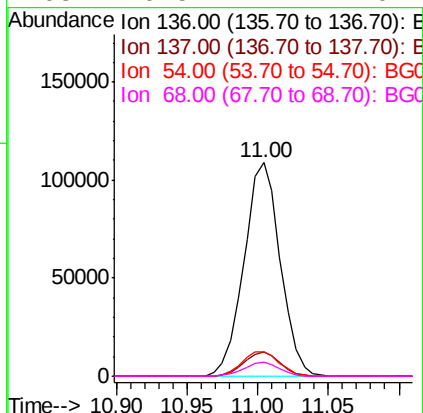
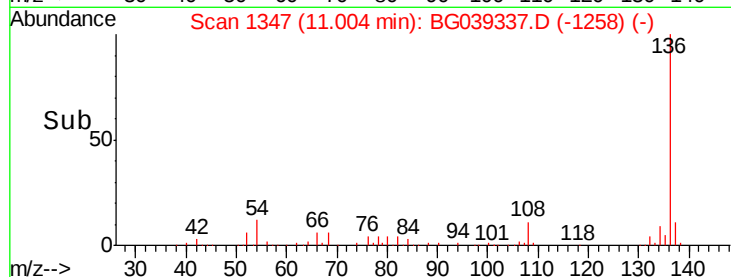
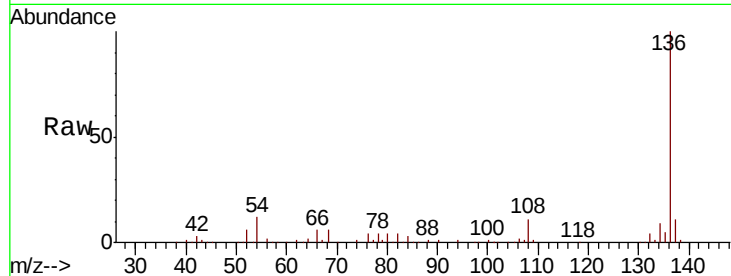




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.00 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BG039337.D
Acq: 30 Jan 2019 21:11

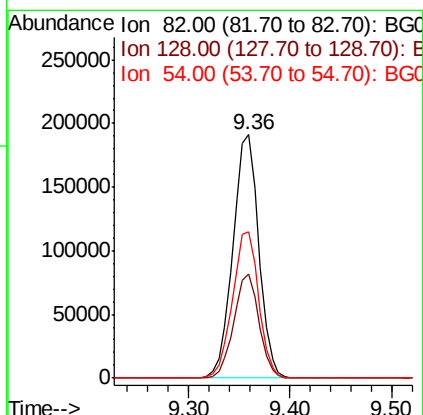
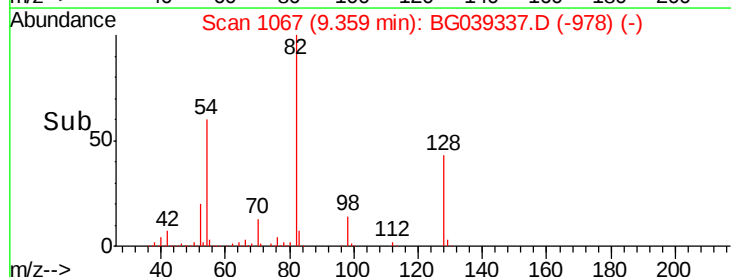
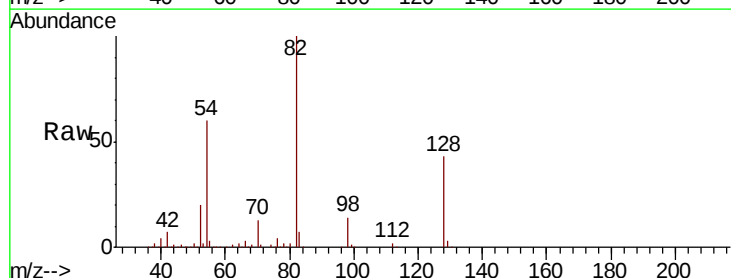
Instrument :
BNA_G
ClientSampleId :
TP-2

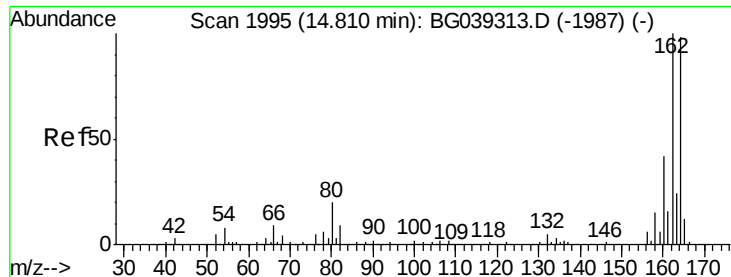
Tgt Ion:	136	Resp:	195635
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	11.6	9.4	14.2
68	6.5	4.2	6.4#



#23
Nitrobenzene-d5
Concen: 107.908 ng
RT: 9.36 min Scan# 1067
Delta R.T. -0.00 min
Lab File: BG039337.D
Acq: 30 Jan 2019 21:11

Tgt Ion:	82	Resp:	337923
Ion	Ratio	Lower	Upper
82	100		
128	42.8	31.3	46.9
54	60.3	50.9	76.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.80 min Scan# 1994

Delta R.T. -0.01 min

Lab File: BG039337.D

Acq: 30 Jan 2019 21:11

Instrument :

BNA_G

ClientSampleId :

TP-2

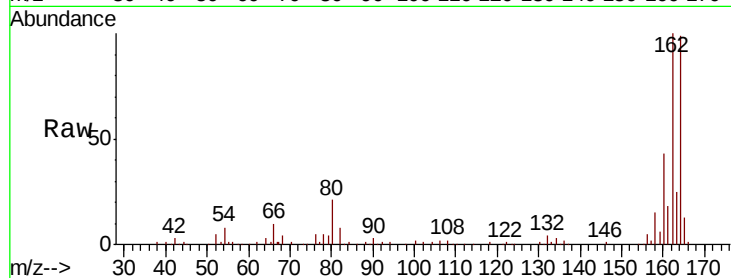
Tgt Ion:164 Resp: 128461

Ion Ratio Lower Upper

164 100

162 100.8 81.6 122.4

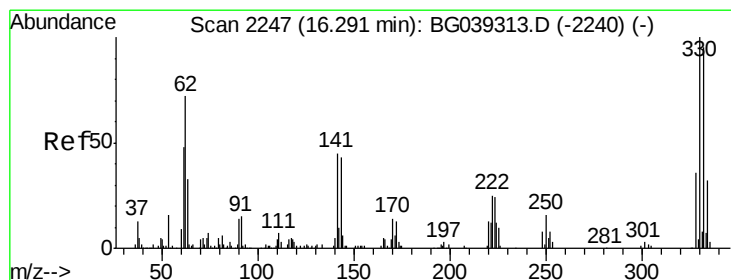
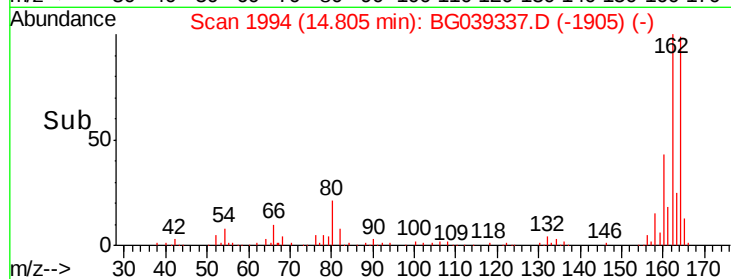
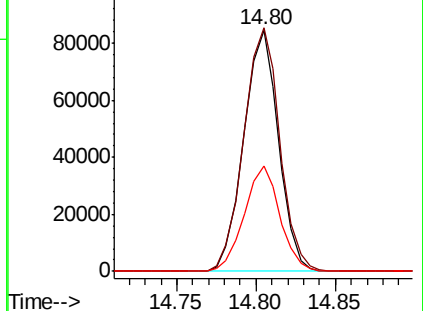
160 43.8 34.2 51.2



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: 150.459 ng

RT: 16.29 min Scan# 2247

Delta R.T. 0.00 min

Lab File: BG039337.D

Acq: 30 Jan 2019 21:11

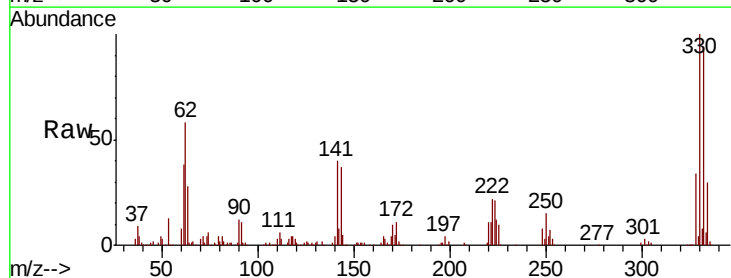
Tgt Ion:330 Resp: 208130

Ion Ratio Lower Upper

330 100

332 95.2 75.7 113.5

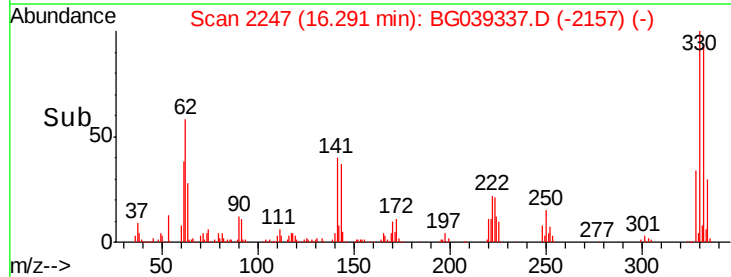
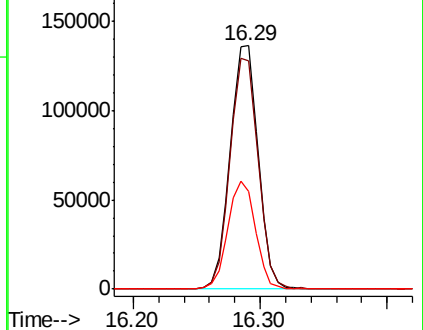
141 43.5 35.6 53.4



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

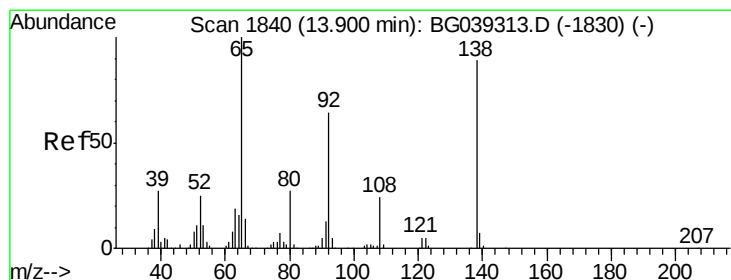
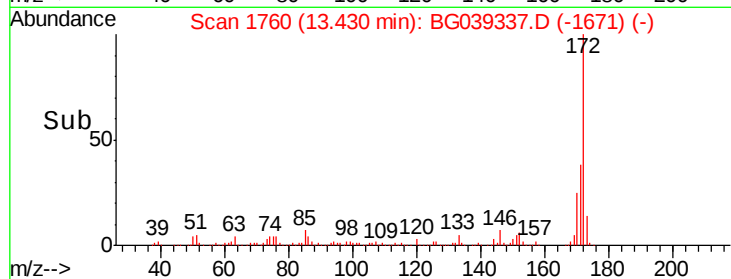
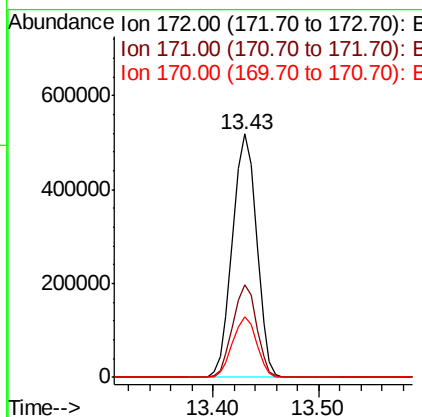
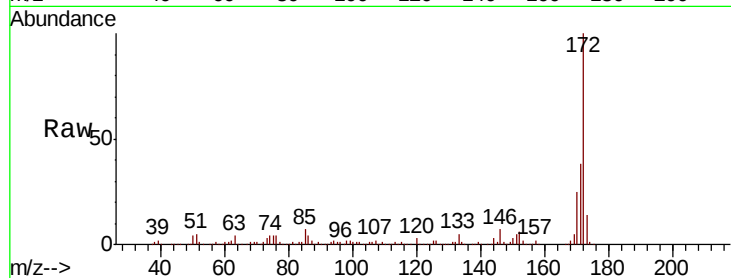




#45
 2-Fluorobiphenyl
 Concen: 91.380 ng
 RT: 13.43 min Scan# 1760
 Delta R.T. -0.01 min
 Lab File: BG039337.D
 Acq: 30 Jan 2019 21:11

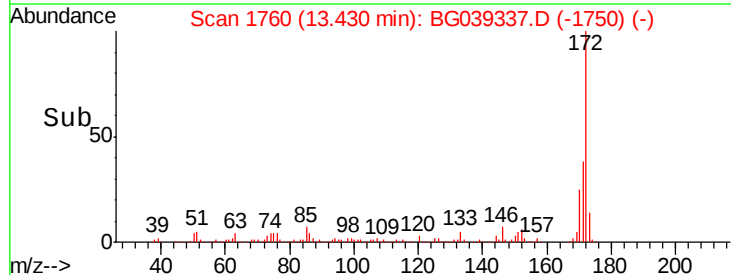
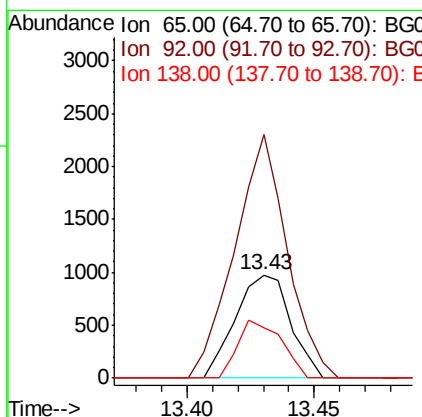
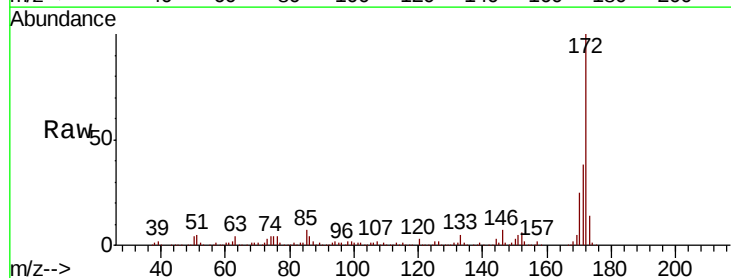
Instrument :
 BNA_G
 ClientSampleId :
 TP-2

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.0	30.8	46.2
170	25.0	20.2	30.4



#48
 2-Nitroaniline
 Concen: 8.824 ng
 RT: 13.43 min Scan# 1760
 Delta R.T. -0.47 min
 Lab File: BG039337.D
 Acq: 30 Jan 2019 21:11

Tgt Ion	Ratio	Lower	Upper
65	100		
92	236.3	51.4	77.2#
138	48.8	71.4	107.2#





#51

2,6-Dinitrotoluene

Concen: 13.959 ng

RT: 14.80 min Scan# 1994

Delta R.T. 0.42 min

Lab File: BG039337.D

Acq: 30 Jan 2019 21:11

Instrument :

BNA_G

ClientSampleId :

TP-2

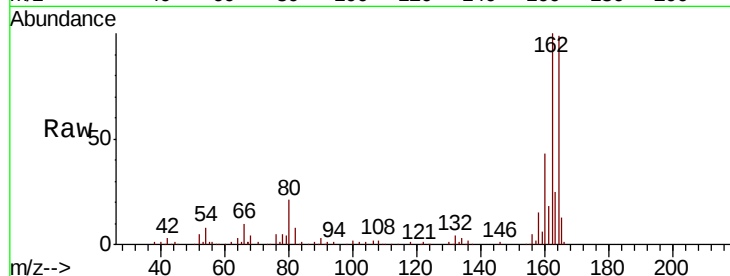
Tgt Ion:165 Resp: 16619

Ion Ratio Lower Upper

165 100

63 0.0 47.0 70.6#

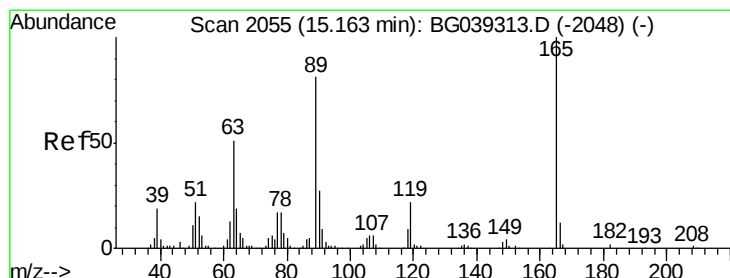
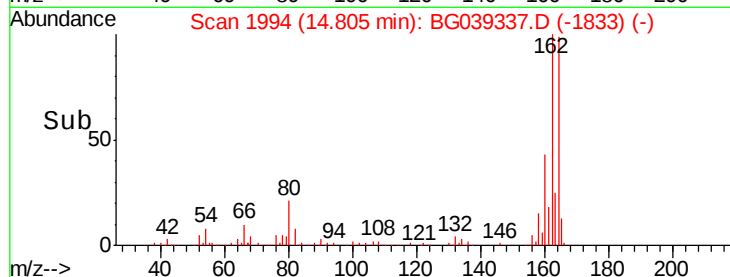
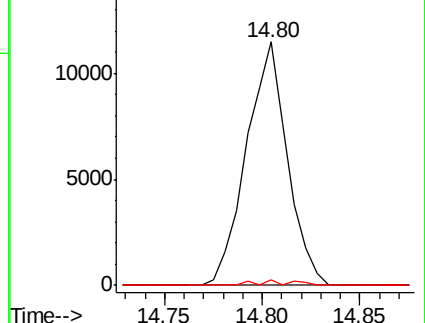
89 2.0 45.8 68.8#



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: 13.425 ng

RT: 14.80 min Scan# 1994

Delta R.T. -0.36 min

Lab File: BG039337.D

Acq: 30 Jan 2019 21:11

Tgt Ion:165 Resp: 16619

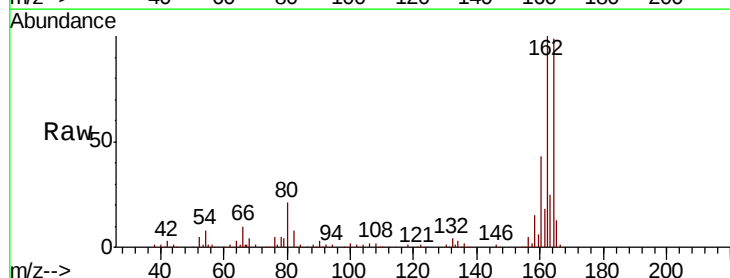
Ion Ratio Lower Upper

165 100

63 0.0 41.0 61.6#

89 2.0 64.6 96.8#

182 0.0 2.0 3.0#

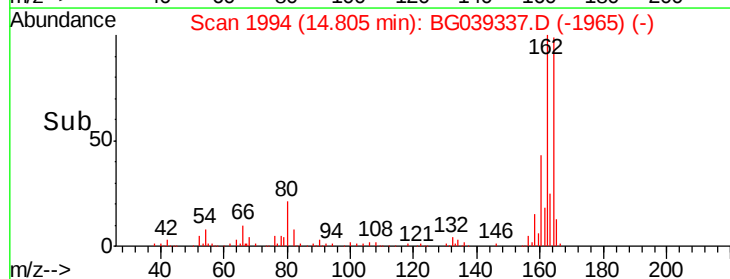
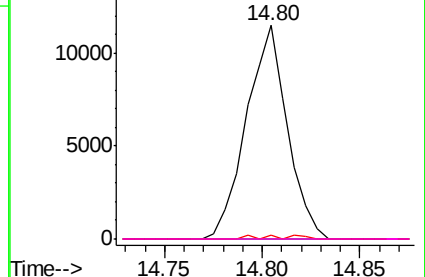


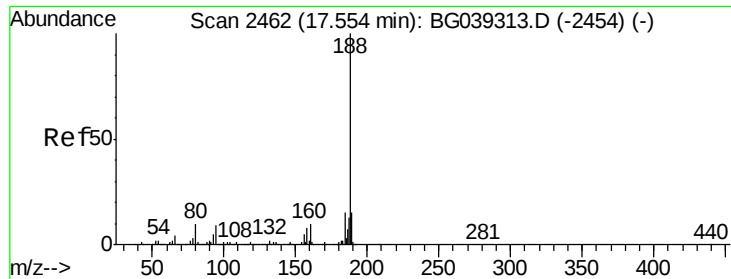
Abundance Ion 165.00 (164.70 to 165.70): E

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: 20.000 ng

RT: 17.55 min Scan# 2461

Delta R.T. -0.01 min

Lab File: BG039337.D

Acq: 30 Jan 2019 21:11

Instrument :

BNA_G

ClientSampled :

TP-2

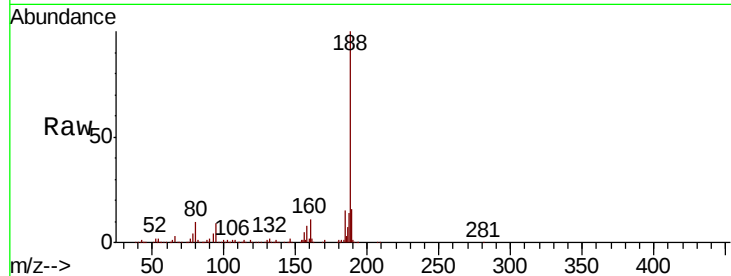
Tgt Ion:188 Resp: 321080

Ion Ratio Lower Upper

188 100

94 8.8 6.9 10.3

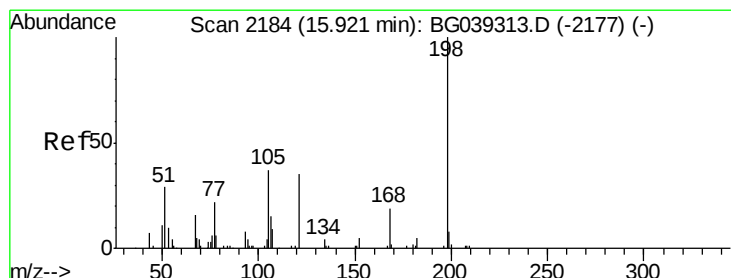
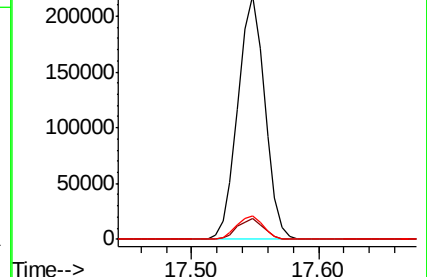
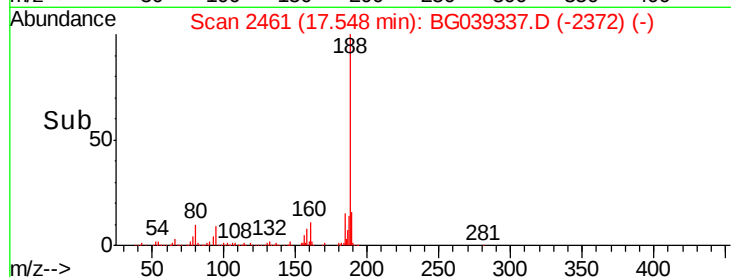
80 9.8 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 4.888 ng

RT: 16.28 min Scan# 2246

Delta R.T. 0.36 min

Lab File: BG039337.D

Acq: 30 Jan 2019 21:11

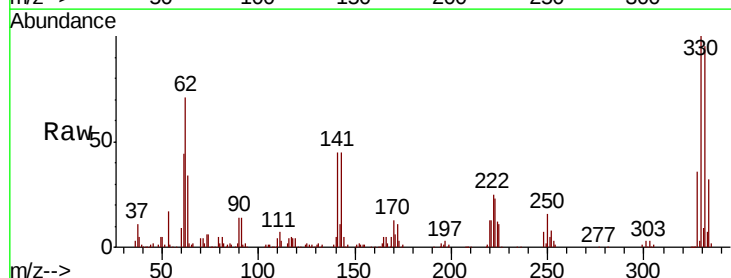
Tgt Ion:198 Resp: 714

Ion Ratio Lower Upper

198 100

51 148.5 27.4 67.4#

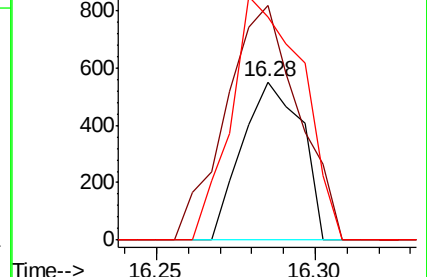
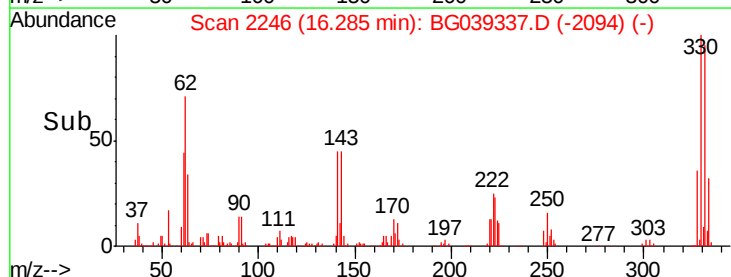
105 140.9 19.7 59.7#

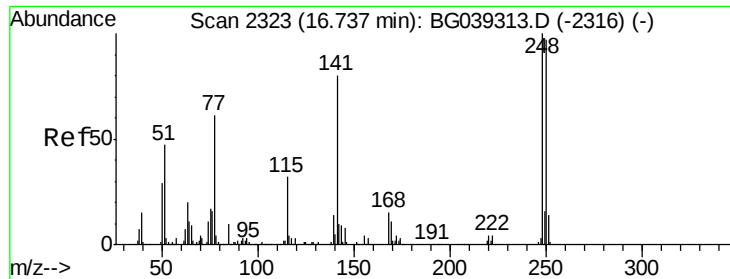


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

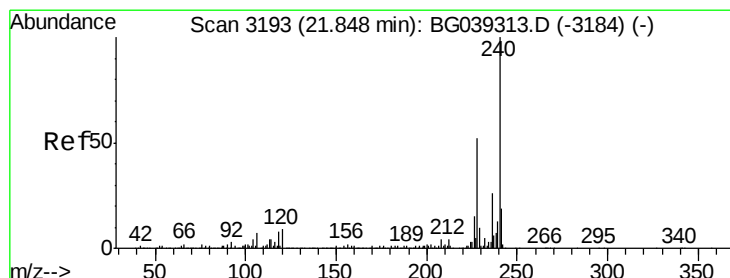
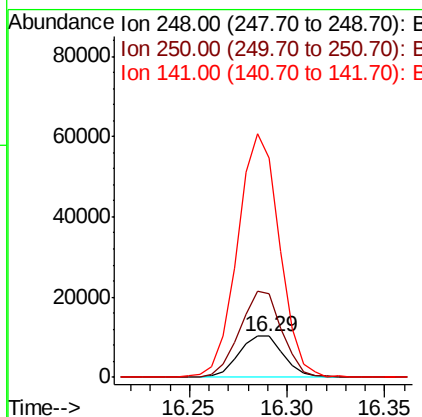
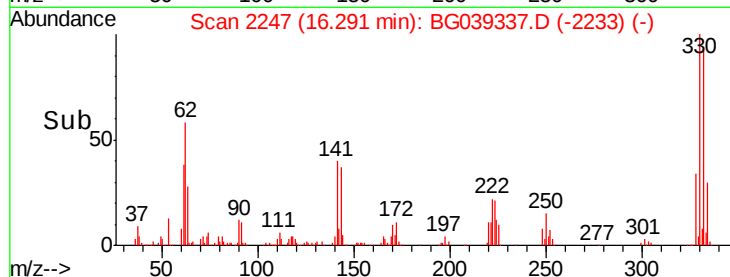
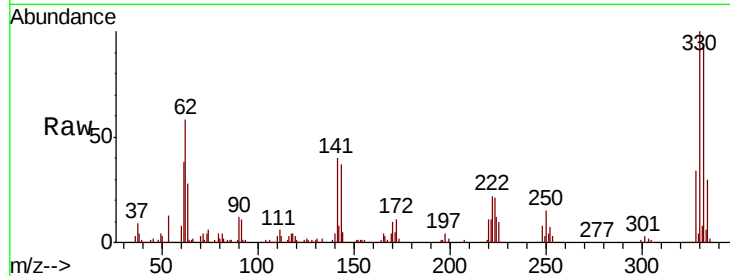




#67
 4-Bromophenyl-phenylether
 Concen: 4.592 ng
 RT: 16.29 min Scan# 2247
 Delta R.T. -0.45 min
 Lab File: BG039337.D
 Acq: 30 Jan 2019 21:11

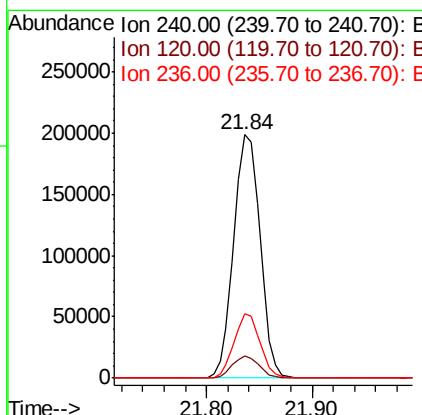
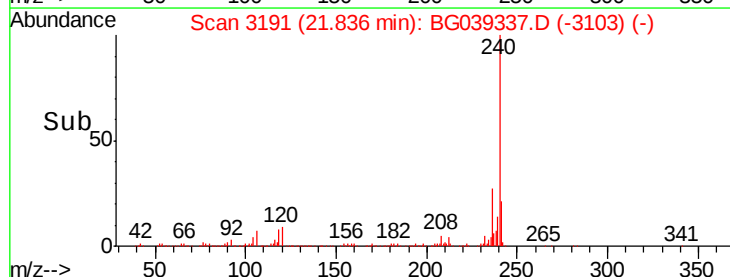
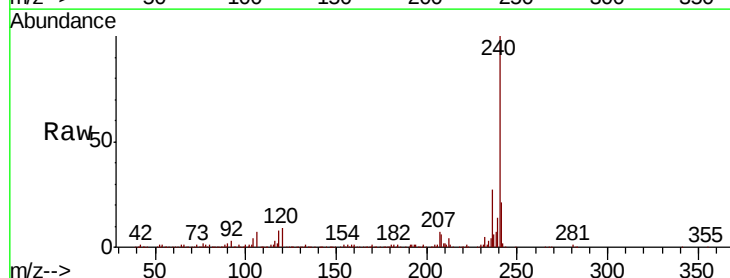
Instrument :
 BNA_G
 ClientSampleId :
 TP-2

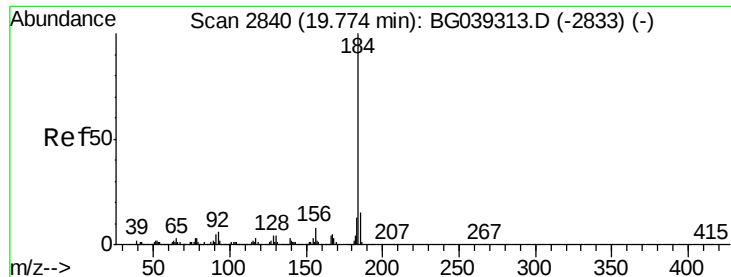
Tgt Ion:248 Resp: 16358
 Ion Ratio Lower Upper
 248 100
 250 203.7 77.6 116.4#
 141 533.1 63.9 95.9#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.84 min Scan# 3191
 Delta R.T. -0.01 min
 Lab File: BG039337.D
 Acq: 30 Jan 2019 21:11

Tgt Ion:240 Resp: 343216
 Ion Ratio Lower Upper
 240 100
 120 8.9 7.0 10.6
 236 26.7 21.0 31.4

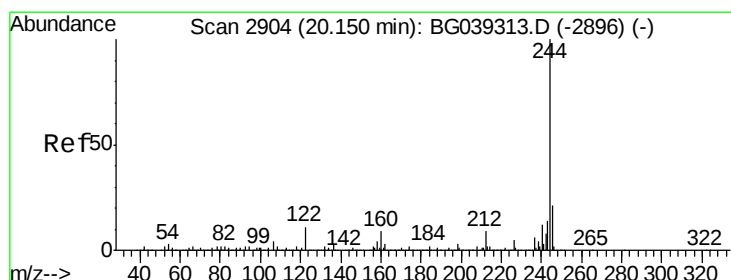
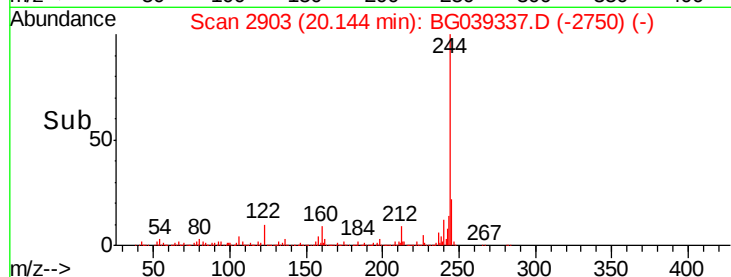
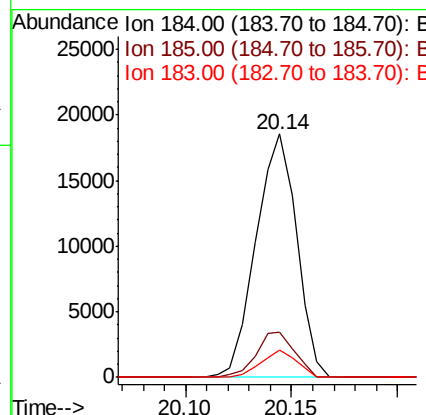
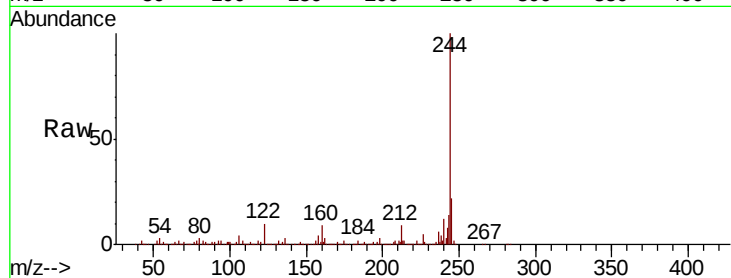




#77
Benzidine
Concen: 2.200 ng
RT: 20.14 min Scan# 2903
Delta R.T. 0.37 min
Lab File: BG039337.D
Acq: 30 Jan 2019 21:11

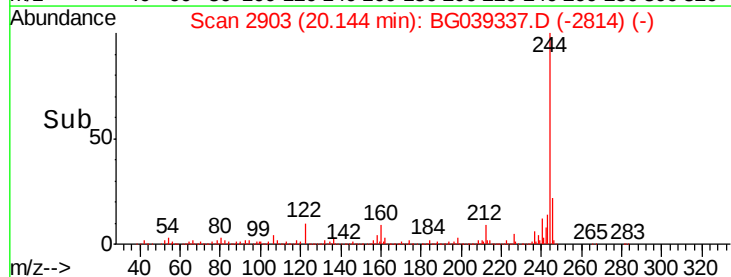
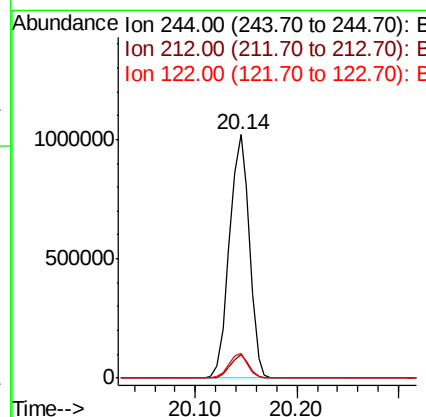
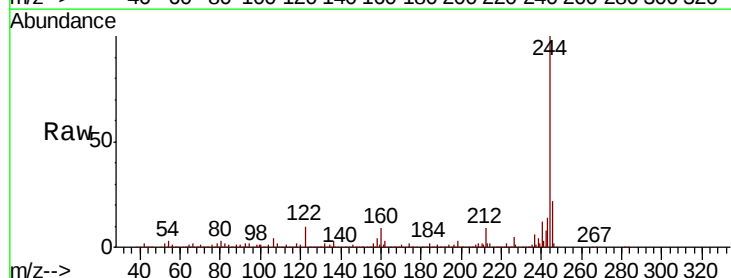
Instrument :
BNA_G
ClientSampled :
TP-2

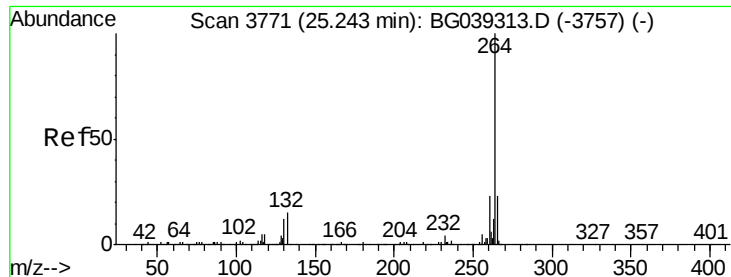
Tgt Ion:184 Resp: 24753
Ion Ratio Lower Upper
184 100
185 18.5 12.2 18.2#
183 11.2 10.6 15.8



#79
Terphenyl-d14
Concen: 85.746 ng
RT: 20.14 min Scan# 2903
Delta R.T. -0.01 min
Lab File: BG039337.D
Acq: 30 Jan 2019 21:11

Tgt Ion:244 Resp: 1390347
Ion Ratio Lower Upper
244 100
212 9.4 7.3 10.9
122 10.2 8.4 12.6

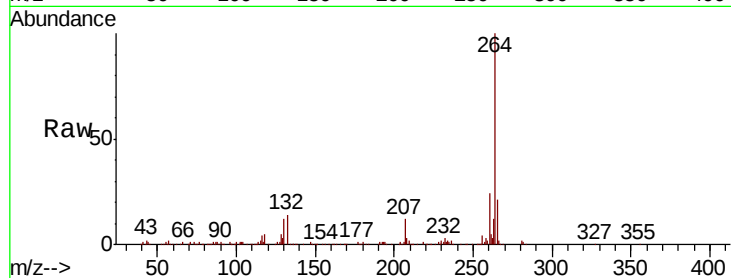




#87
Perylene-d12
Concen: 20.000 ng
RT: 25.23 min Scan# 3768
Delta R.T. -0.02 min
Lab File: BG039337.D
Acq: 30 Jan 2019 21:11

Instrument :
BNA_G
ClientSampleId :
TP-2

Tgt Ion:	264	Resp:	340882
Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.2	27.4
265	21.2	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

