

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021519\
 Data File : BG039535.D
 Acq On : 16 Feb 2019 00:00
 Operator : JU/SJ
 Sample : PB117145BL
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB117145BL

Quant Time: Feb 16 03:22:16 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

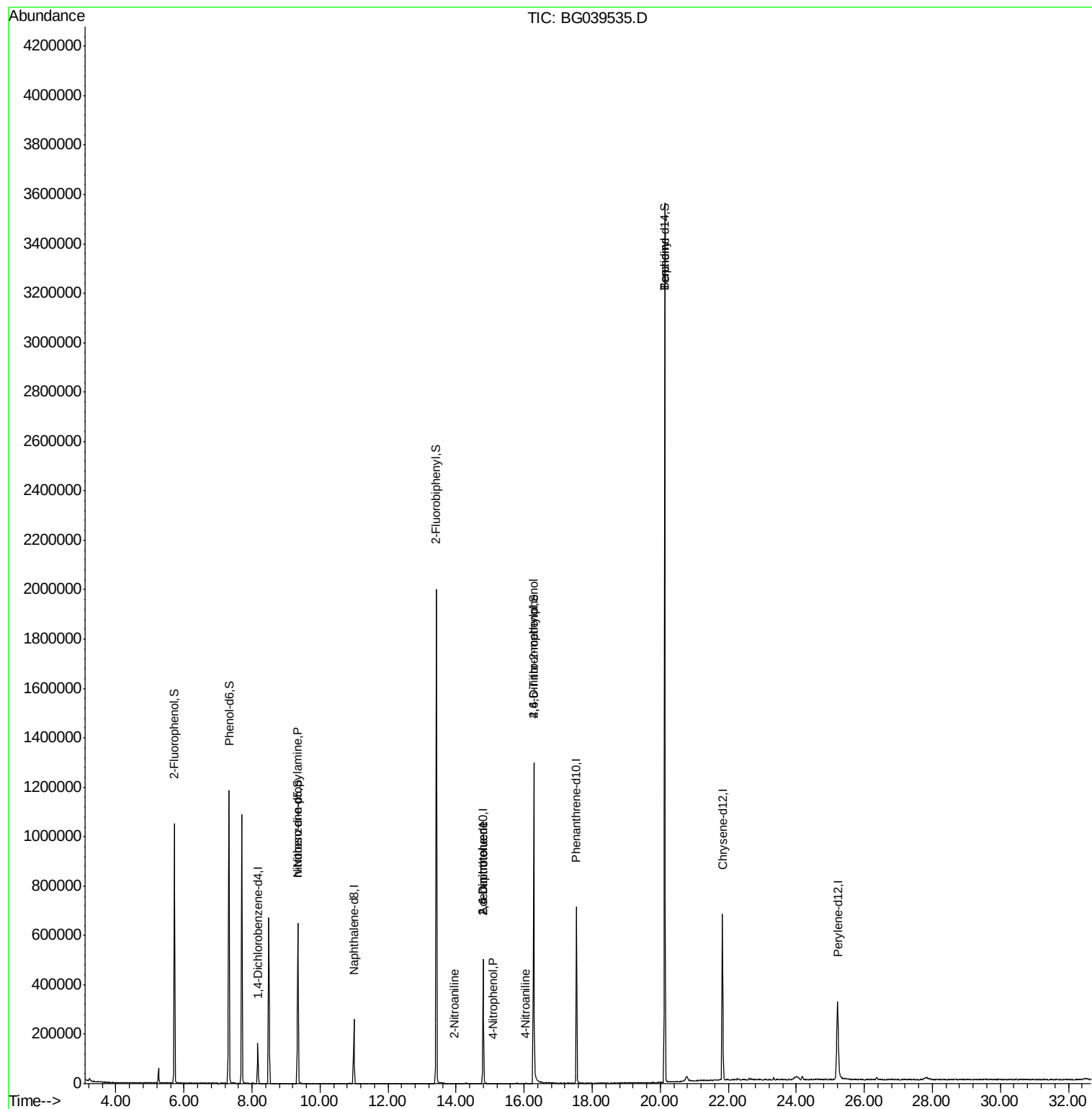
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	46374	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	225793	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	183800	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	450530	20.00	ng	-0.02
76) Chrysene-d12	21.83	240	438024	20.00	ng	-0.02
87) Perylene-d12	25.21	264	424047	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	452095	166.85	ng	0.00
7) Phenol-d6	7.32	99	697923	174.99	ng	0.00
23) Nitrobenzene-d5	9.35	82	389320	107.72	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	251141	126.89	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	1077399	84.09	ng	-0.02
79) Terphenyl-d14	20.13	244	1666323	80.52	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.31	77	1141	Below Cal		Qvalue # 4
19) n-Nitroso-di-n-propylamine	9.35	70	50318	17.775 ng	#	68
48) 2-Nitroaniline	13.96	65	67	8.313 ng	#	10
51) 2,6-Dinitrotoluene	14.79	165	24404	14.153 ng	#	23
56) 4-Nitrophenol	15.09	139	74	5.819 ng	#	1
57) 2,4-Dinitrotoluene	14.79	165	24404	13.573 ng	#	18
62) 4-Nitroaniline	16.04	138	59	4.220 ng	#	10
65) 4,6-Dinitro-2-methylphenol	16.28	198	789	4.736 ng	#	1
77) Benzidine	20.13	184	30522	2.125 ng	#	93

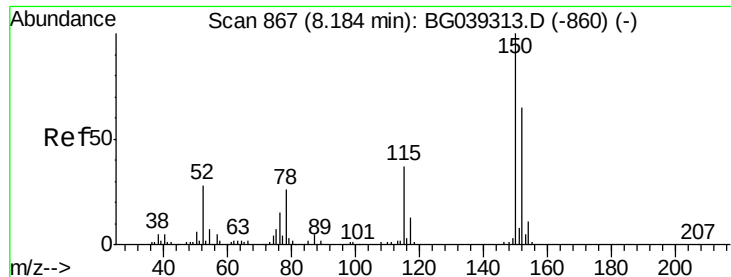
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.17 min Scan# 866

Delta R.T. -0.01 min

Lab File: BG039535.D

Acq: 16 Feb 2019 00:00

Instrument :

BNA_G

ClientSampleId :

PB117145BL

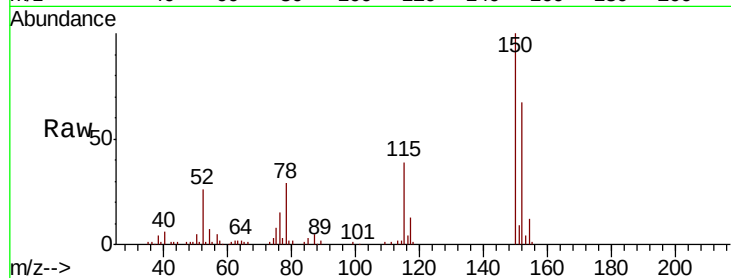
Tgt Ion:152 Resp: 46374

Ion Ratio Lower Upper

152 100

150 149.3 123.7 185.5

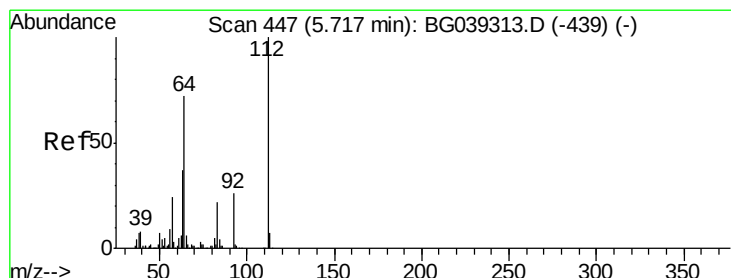
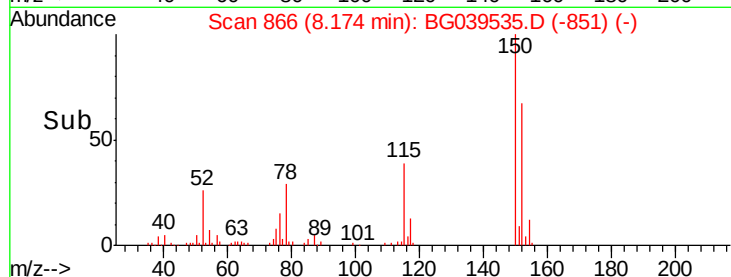
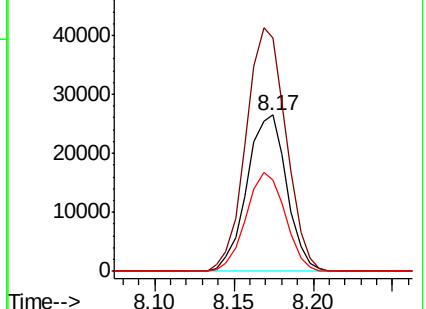
115 58.6 45.9 68.9



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: 166.853 ng

RT: 5.72 min Scan# 448

Delta R.T. 0.00 min

Lab File: BG039535.D

Acq: 16 Feb 2019 00:00

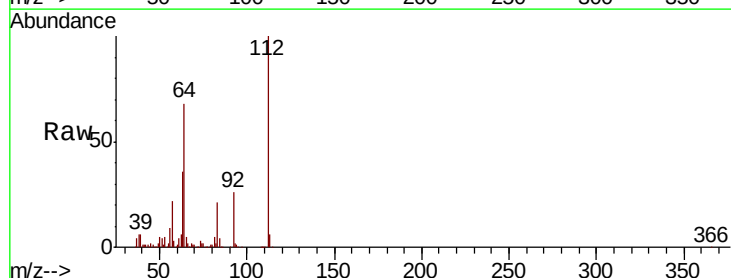
Tgt Ion:112 Resp: 452095

Ion Ratio Lower Upper

112 100

64 68.2 57.8 86.8

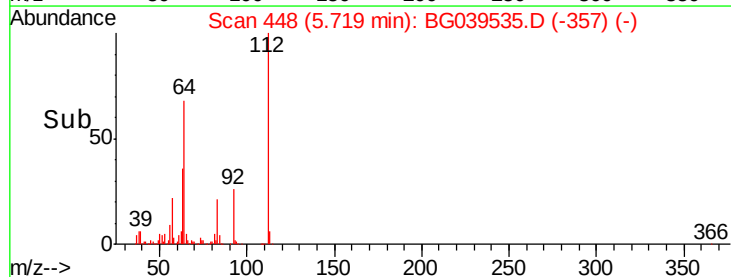
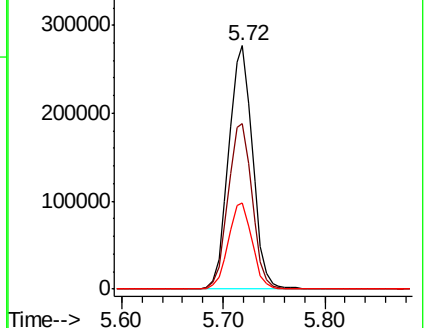
63 35.6 29.8 44.6

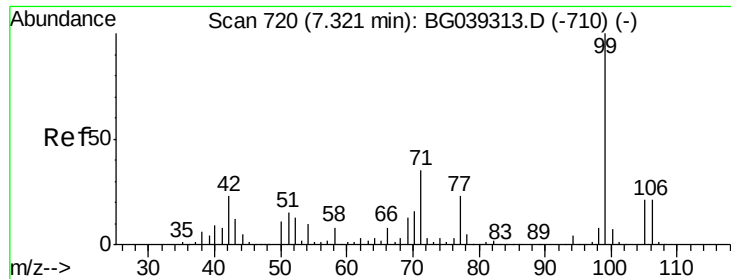


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 174.990 ng

RT: 7.32 min Scan# 721

Delta R.T. 0.00 min

Lab File: BG039535.D

Acq: 16 Feb 2019 00:00

Instrument :

BNA_G

ClientSampleID :

PB117145BL

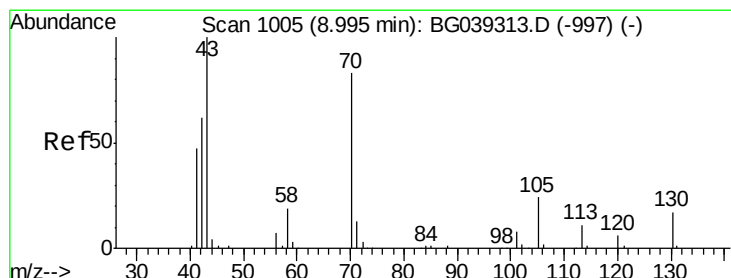
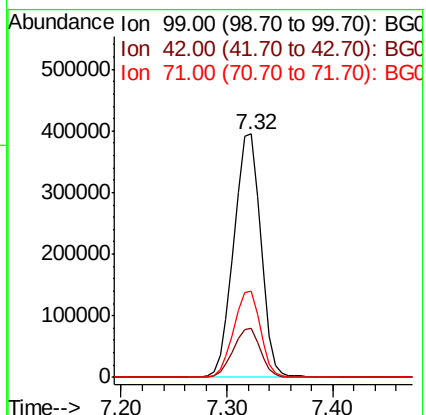
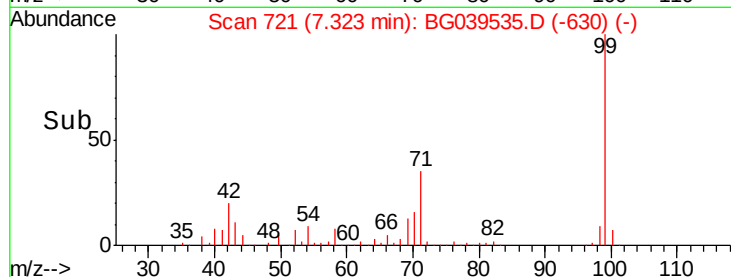
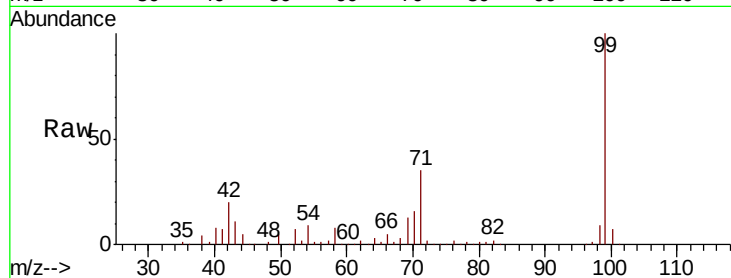
Tgt Ion: 99 Resp: 697923

Ion Ratio Lower Upper

99 100

42 20.0 18.2 27.2

71 35.2 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 17.775 ng

RT: 9.35 min Scan# 1066

Delta R.T. 0.35 min

Lab File: BG039535.D

Acq: 16 Feb 2019 00:00

Tgt Ion: 70 Resp: 50318

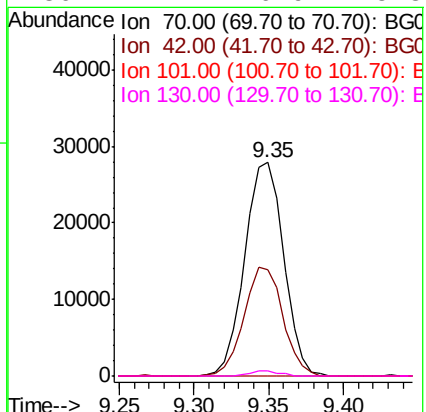
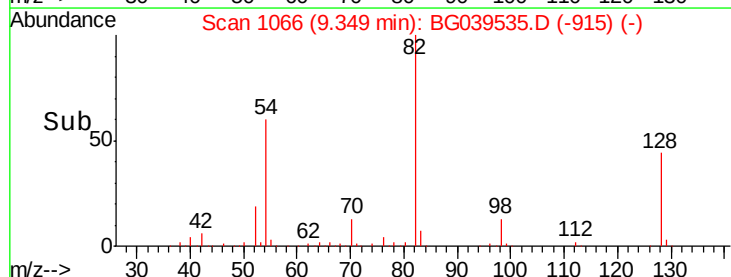
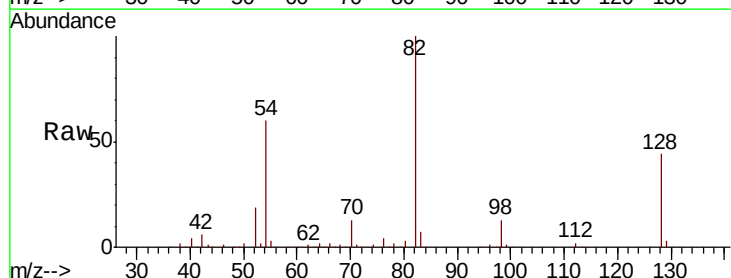
Ion Ratio Lower Upper

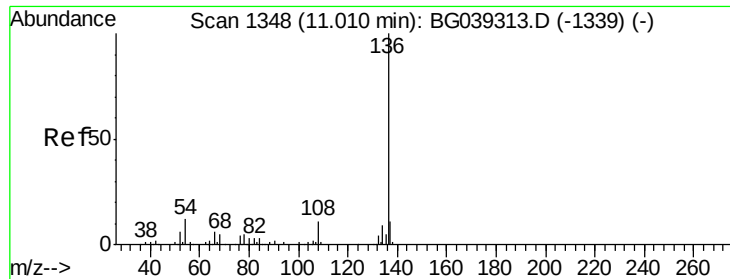
70 100

42 49.9 60.4 90.6#

101 0.0 7.5 11.3#

130 2.4 16.9 25.3#

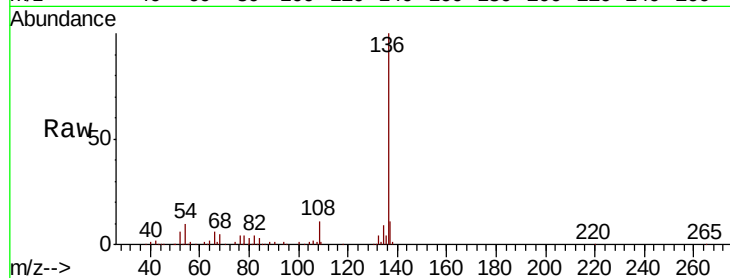




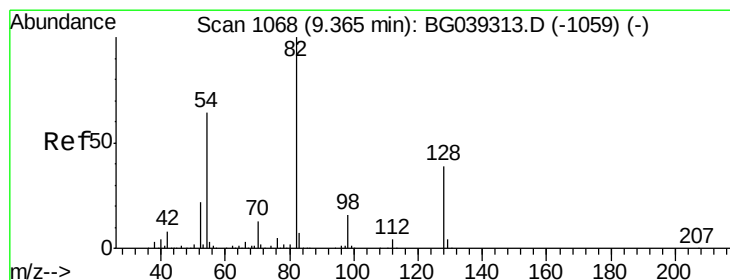
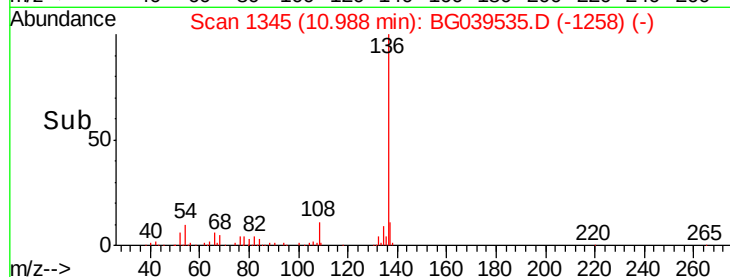
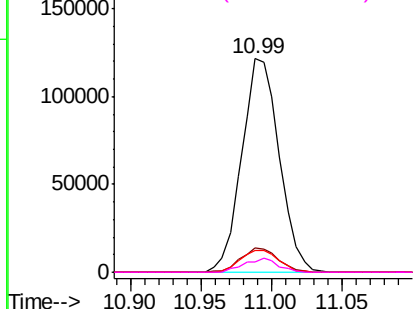
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039535.D
Acq: 16 Feb 2019 00:00

Instrument :
BNA_G
ClientSampleId :
PB117145BL

Tgt Ion:	136	Resp:	225793
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	10.4	9.4	14.2
68	5.0	4.2	6.4

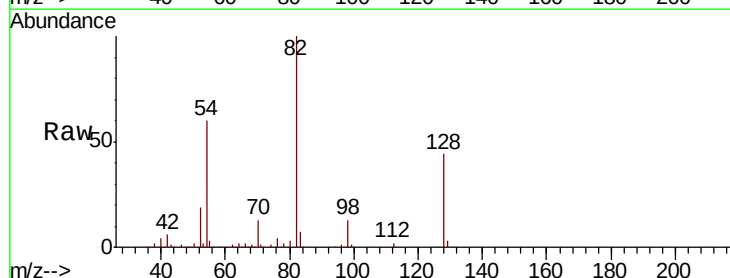


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

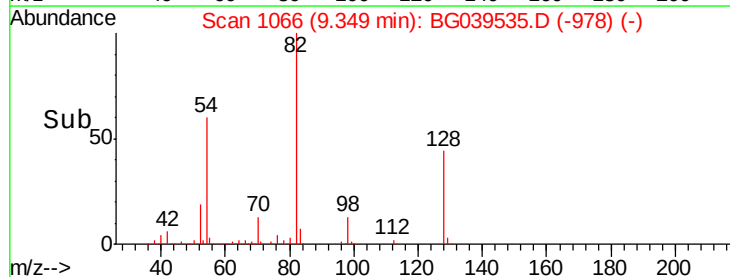
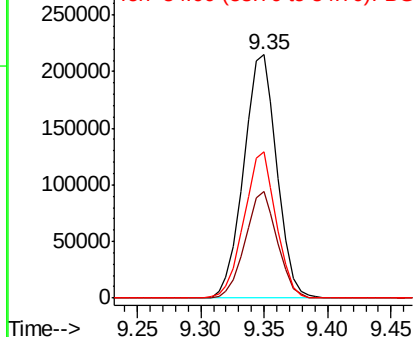


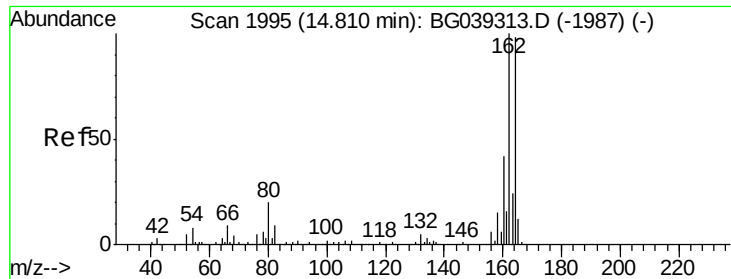
#23
Nitrobenzene-d5
Concen: 107.716 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BG039535.D
Acq: 16 Feb 2019 00:00

Tgt Ion:	82	Resp:	389320
Ion	Ratio	Lower	Upper
82	100		
128	44.0	31.3	46.9
54	60.1	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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BG039535.D

Acq: 16 Feb 2019 00:00

Instrument :

BNA_G

ClientSampleId :

PB117145BL

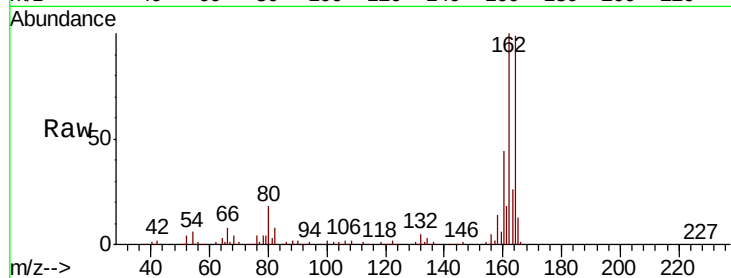
Tgt Ion:164 Resp: 183800

Ion Ratio Lower Upper

164 100

162 100.9 81.6 122.4

160 43.9 34.2 51.2

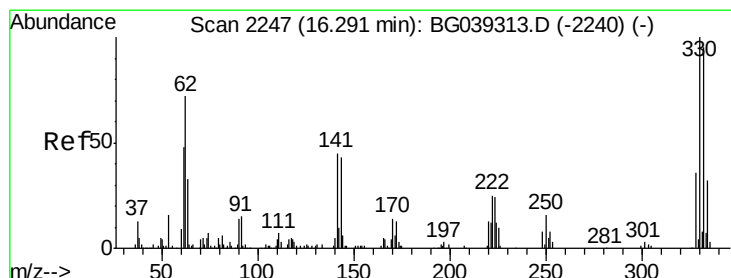
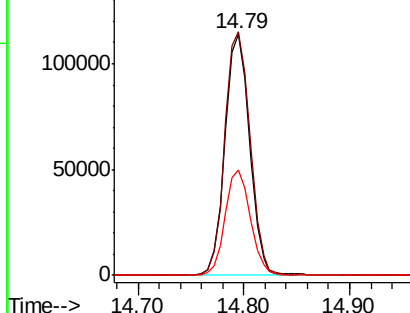
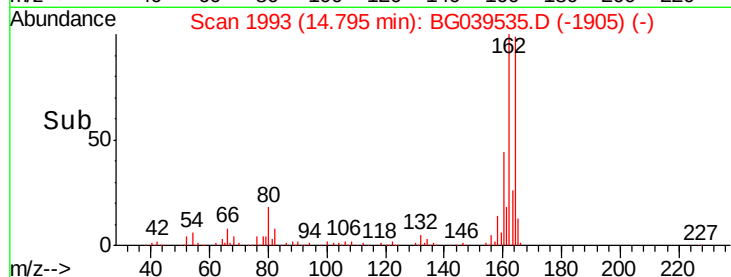


Abundance

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: 126.889 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039535.D

Acq: 16 Feb 2019 00:00

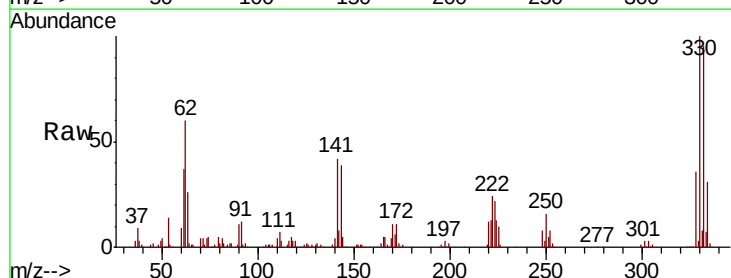
Tgt Ion:330 Resp: 251141

Ion Ratio Lower Upper

330 100

332 96.6 75.7 113.5

141 40.3 35.6 53.4

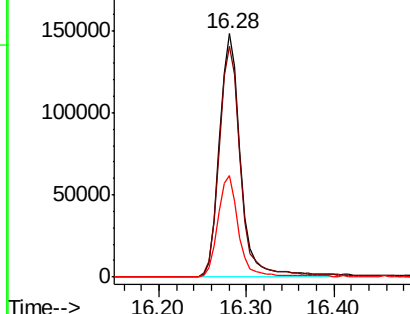
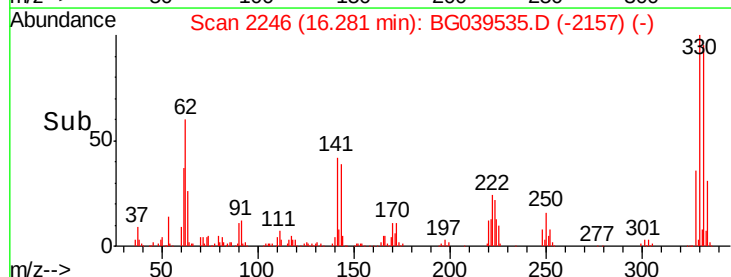


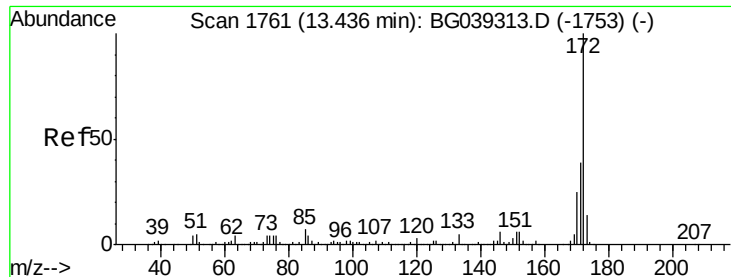
Abundance

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

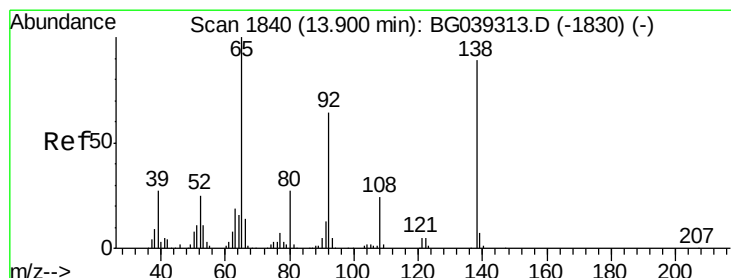
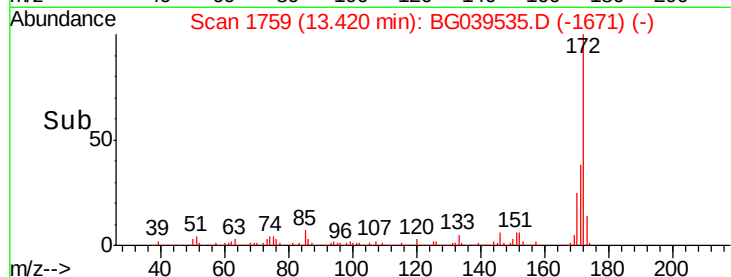
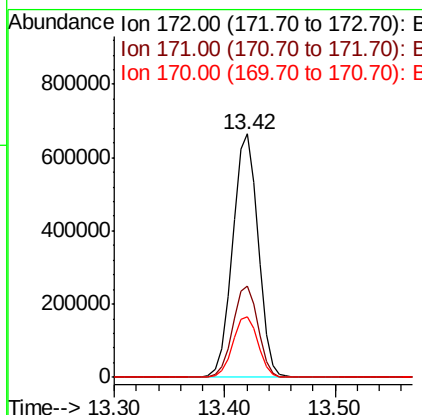
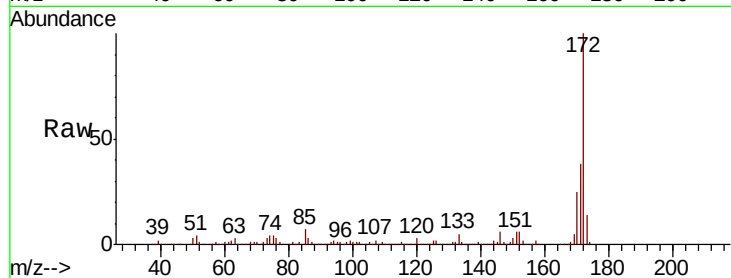




#45
 2-Fluorobiphenyl
 Concen: 84.090 ng
 RT: 13.42 min Scan# 1759
 Delta R.T. -0.02 min
 Lab File: BG039535.D
 Acq: 16 Feb 2019 00:00

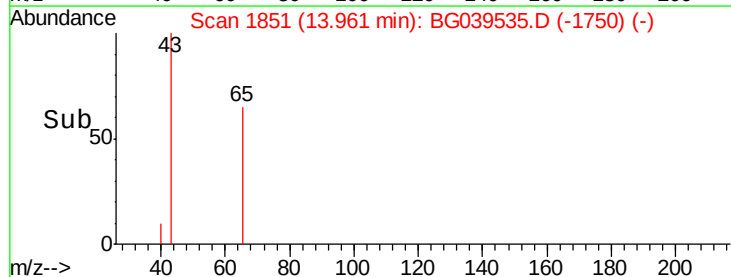
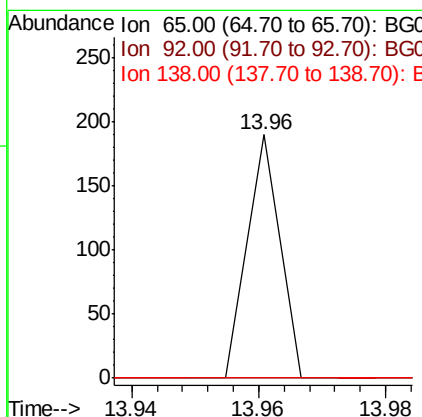
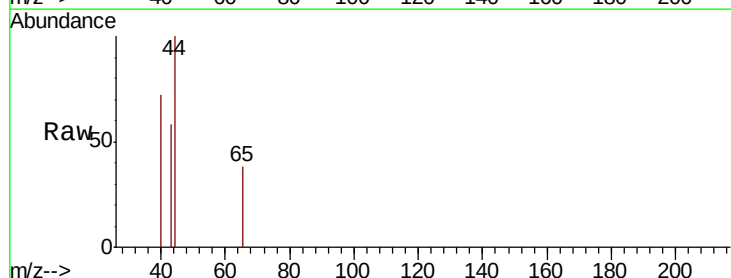
Instrument :
 BNA_G
 ClientSampleId :
 PB117145BL

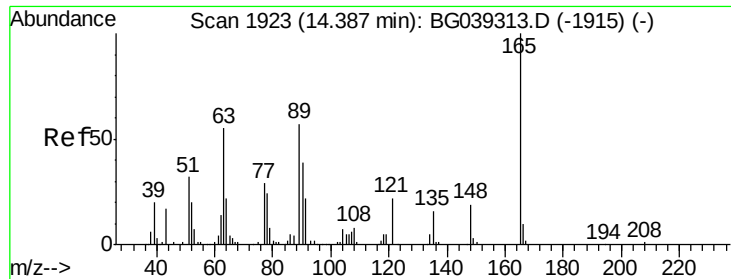
Tgt Ion: 172 Resp: 1077399
 Ion Ratio Lower Upper
 172 100
 171 37.8 30.8 46.2
 170 24.8 20.2 30.4



#48
 2-Nitroaniline
 Concen: 8.313 ng
 RT: 13.96 min Scan# 1851
 Delta R.T. 0.06 min
 Lab File: BG039535.D
 Acq: 16 Feb 2019 00:00

Tgt Ion: 65 Resp: 67
 Ion Ratio Lower Upper
 65 100
 92 0.0 51.4 77.2#
 138 0.0 71.4 107.2#





#51

2,6-Dinitrotoluene

Concen: 14.153 ng

RT: 14.79 min Scan# 1993

Delta R.T. 0.41 min

Lab File: BG039535.D

Acq: 16 Feb 2019 00:00

Instrument :

BNA_G

ClientSampleId :

PB117145BL

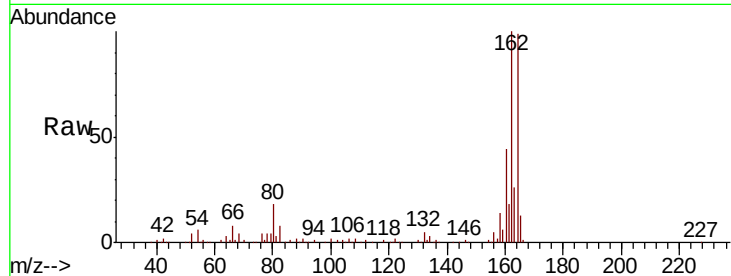
Tgt Ion:165 Resp: 24404

Ion Ratio Lower Upper

165 100

63 0.0 47.0 70.6#

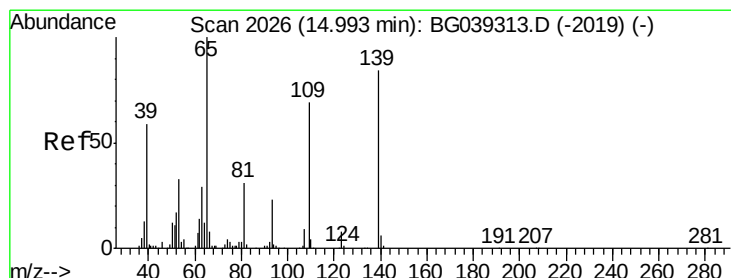
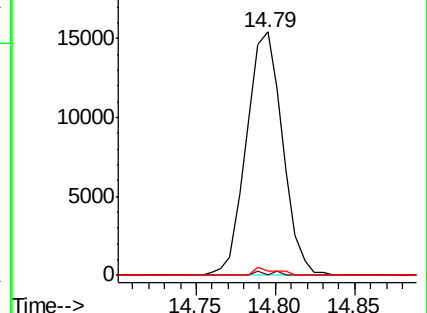
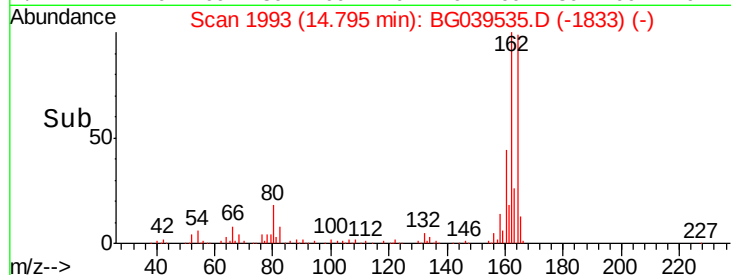
89 1.7 45.8 68.8#



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: 5.819 ng

RT: 15.09 min Scan# 2044

Delta R.T. 0.10 min

Lab File: BG039535.D

Acq: 16 Feb 2019 00:00

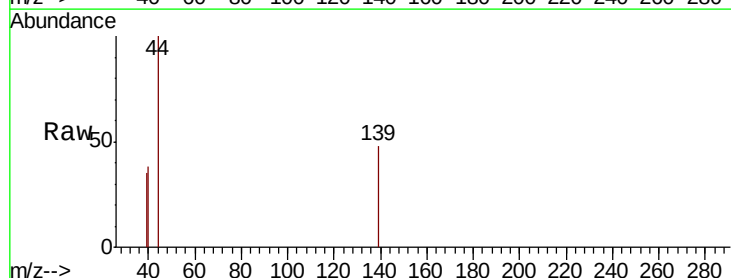
Tgt Ion:139 Resp: 74

Ion Ratio Lower Upper

139 100

109 0.0 61.9 101.9#

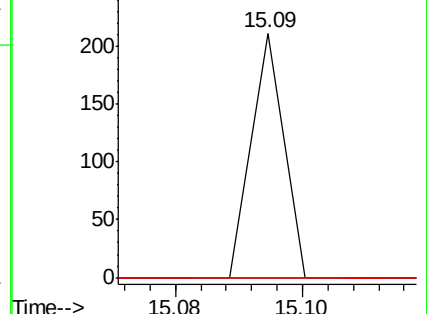
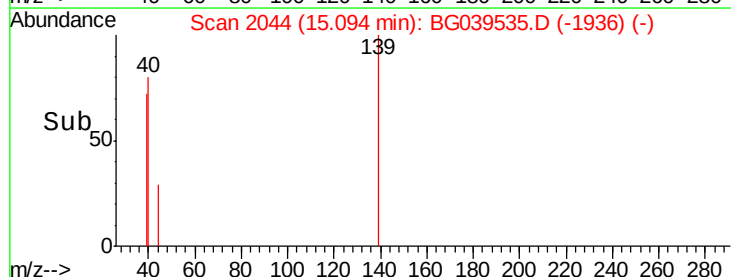
65 0.0 99.1 139.1#

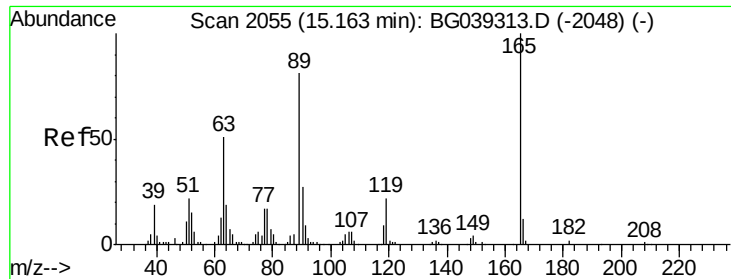


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC





#57

2,4-Dinitrotoluene

Concen: 13.573 ng

RT: 14.79 min Scan# 1993

Delta R.T. -0.37 min

Lab File: BG039535.D

Acq: 16 Feb 2019 00:00

Instrument :

BNA_G

ClientSampleId :

PB117145BL

Tgt Ion:165 Resp: 24404

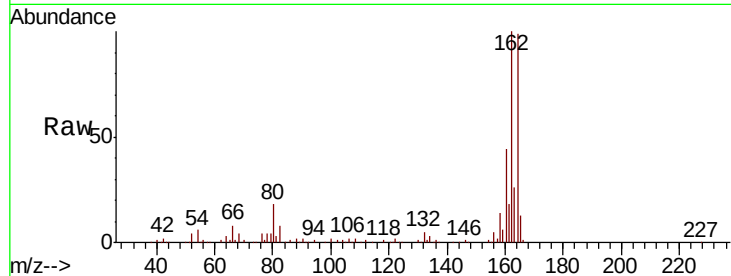
Ion Ratio Lower Upper

165 100

63 0.0 41.0 61.6#

89 1.7 64.6 96.8#

182 0.0 2.0 3.0#

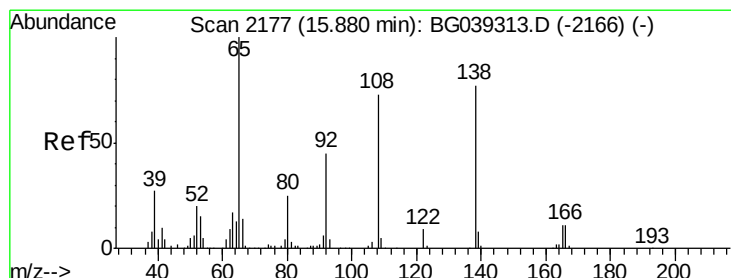
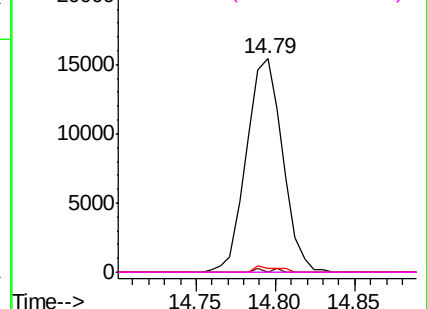
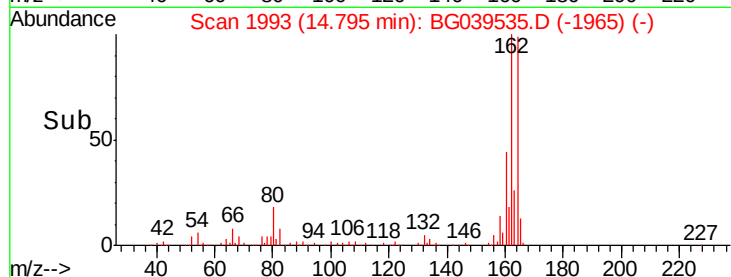


Abundance Ion 165.00 (164.70 to 165.70): E

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: 4.220 ng

RT: 16.04 min Scan# 2205

Delta R.T. 0.16 min

Lab File: BG039535.D

Acq: 16 Feb 2019 00:00

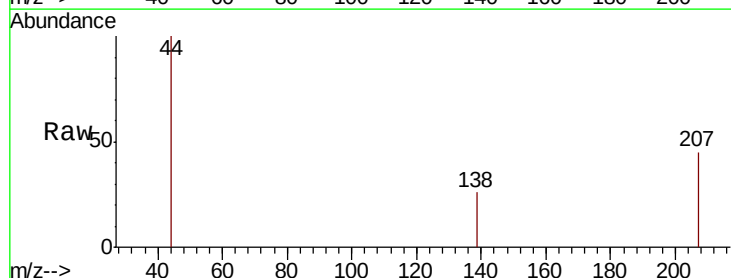
Tgt Ion:138 Resp: 59

Ion Ratio Lower Upper

138 100

92 0.0 38.7 78.7#

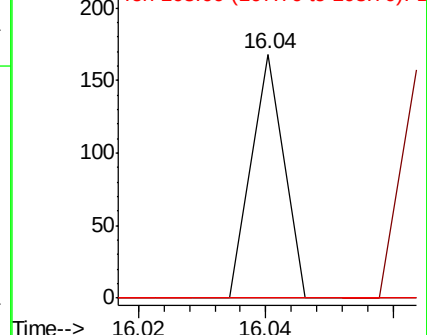
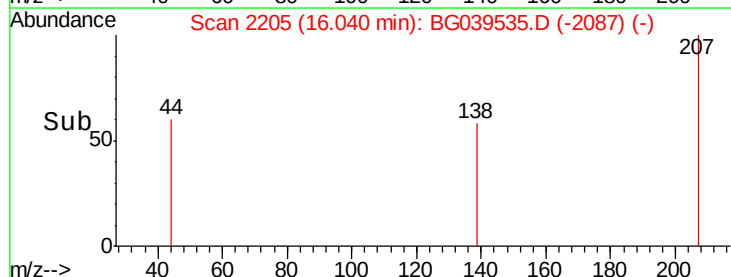
108 0.0 74.6 114.6#

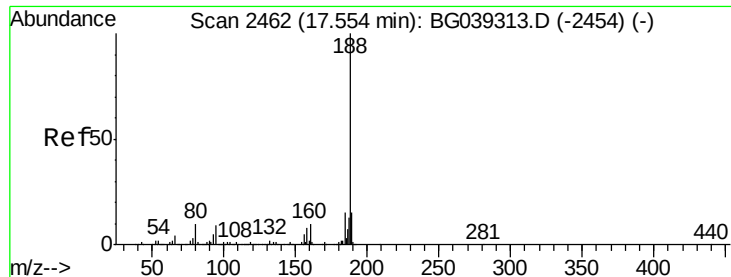


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

Ion 108.00 (107.70 to 108.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.02 min

Lab File: BG039535.D

Acq: 16 Feb 2019 00:00

Instrument :

BNA_G

ClientSampleId :

PB117145BL

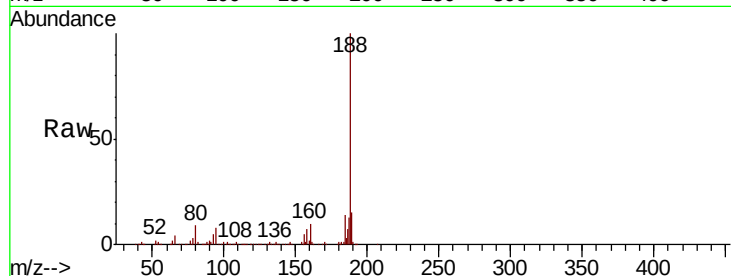
Tgt Ion:188 Resp: 450530

Ion Ratio Lower Upper

188 100

94 8.4 6.9 10.3

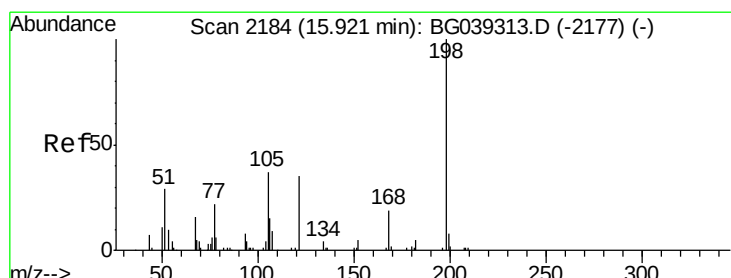
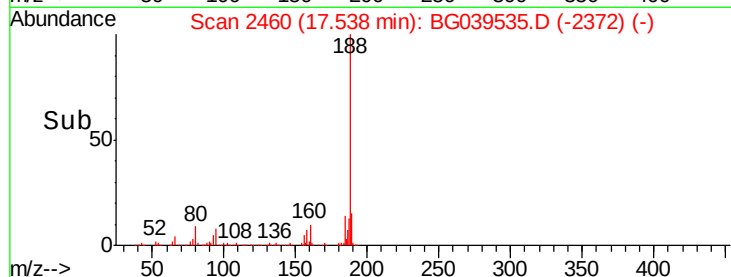
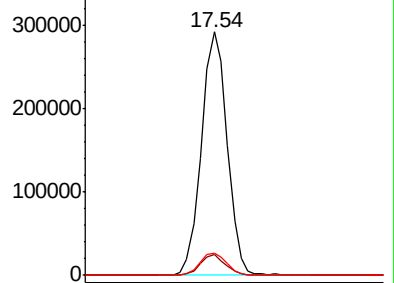
80 9.0 8.1 12.1



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: 4.736 ng

RT: 16.28 min Scan# 2246

Delta R.T. 0.36 min

Lab File: BG039535.D

Acq: 16 Feb 2019 00:00

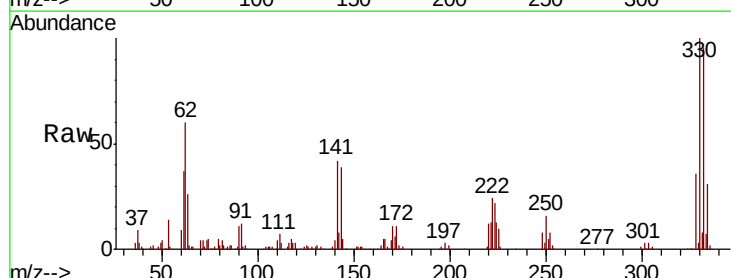
Tgt Ion:198 Resp: 789

Ion Ratio Lower Upper

198 100

51 112.0 27.4 67.4#

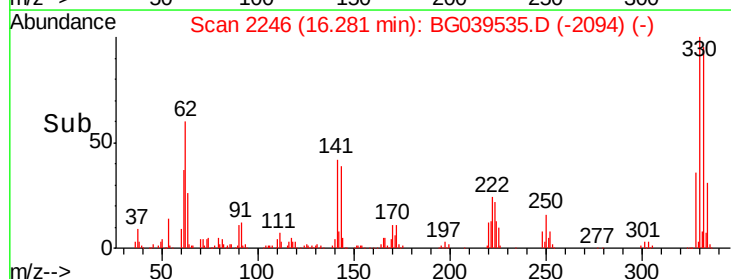
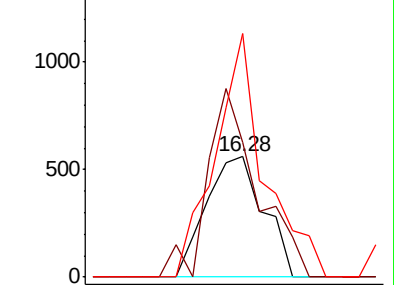
105 202.7 19.7 59.7#

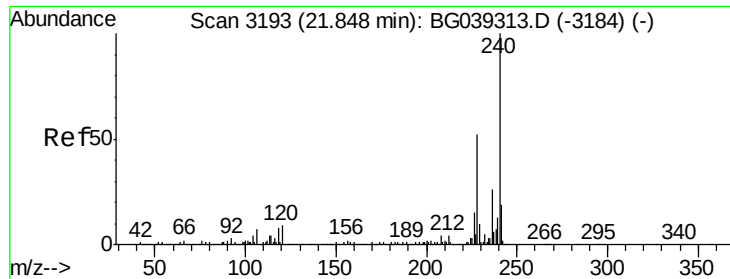


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

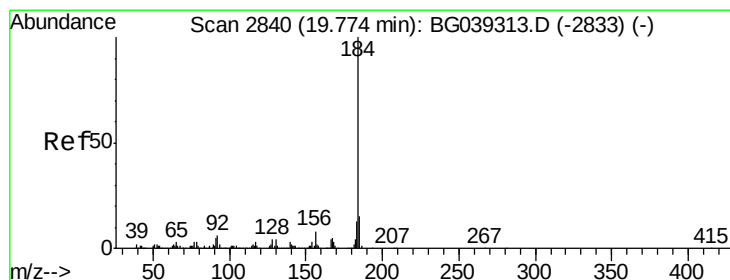
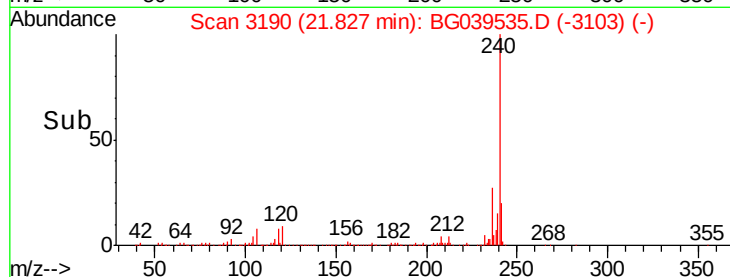
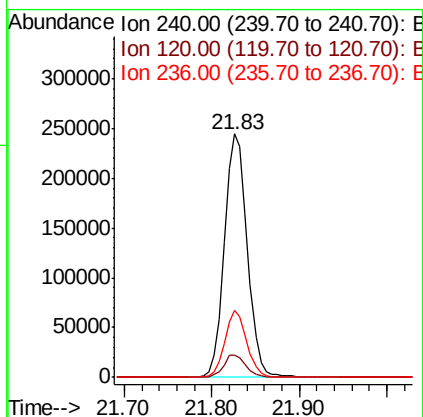
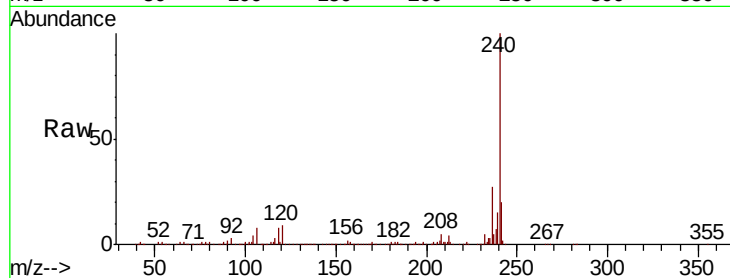




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.83 min Scan# 3190
Delta R.T. -0.02 min
Lab File: BG039535.D
Acq: 16 Feb 2019 00:00

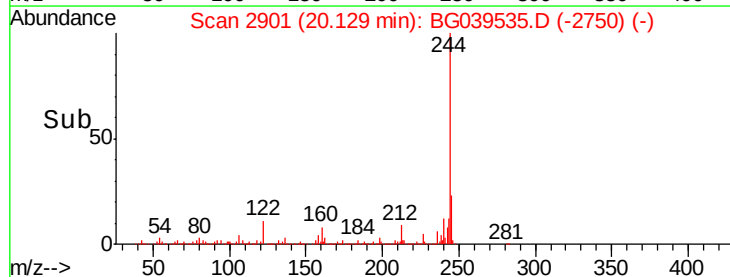
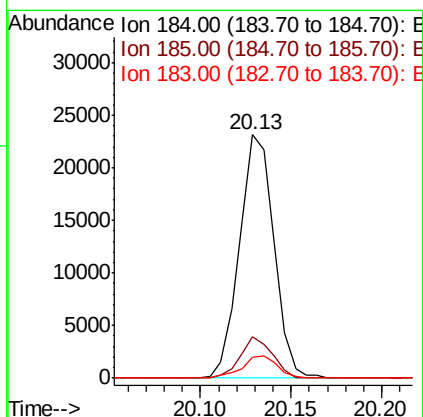
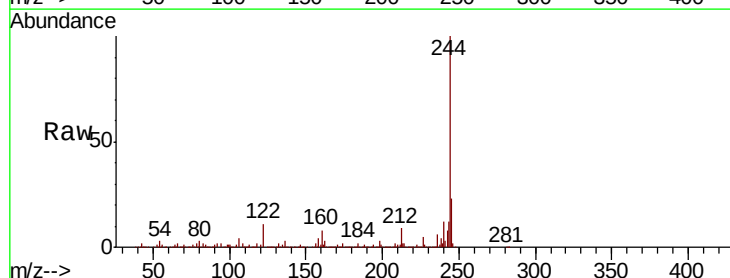
Instrument :
BNA_G
ClientSampleId :
PB117145BL

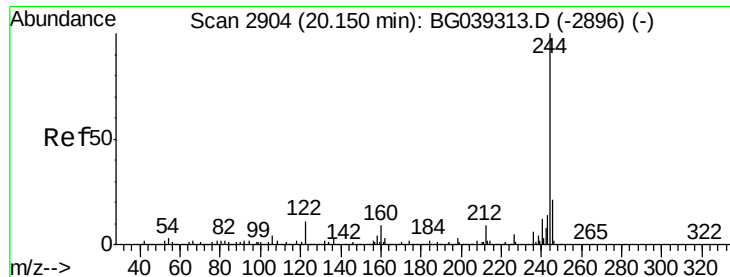
Tgt Ion: 240 Resp: 438024
Ion Ratio Lower Upper
240 100
120 9.2 7.0 10.6
236 27.5 21.0 31.4



#77
Benzidine
Concen: 2.125 ng
RT: 20.13 min Scan# 2901
Delta R.T. 0.35 min
Lab File: BG039535.D
Acq: 16 Feb 2019 00:00

Tgt Ion: 184 Resp: 30522
Ion Ratio Lower Upper
184 100
185 16.9 12.2 18.2
183 8.7 10.6 15.8#





#79

Terphenyl-d14

Concen: 80.523 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039535.D

Acq: 16 Feb 2019 00:00

Instrument :

BNA_G

ClientSampleId :

PB117145BL

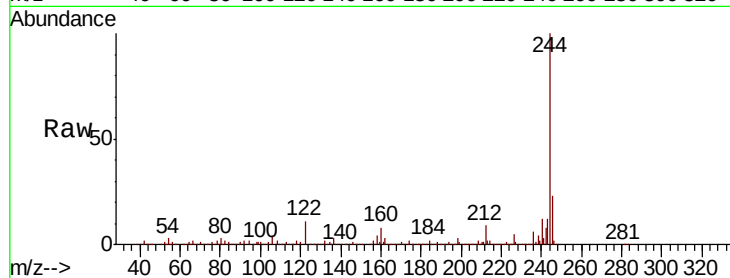
Tgt Ion:244 Resp: 1666323

Ion Ratio Lower Upper

244 100

212 9.2 7.3 10.9

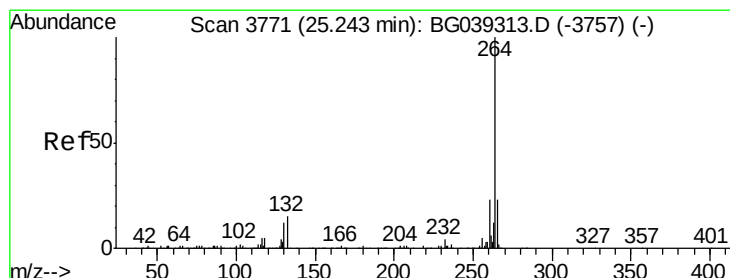
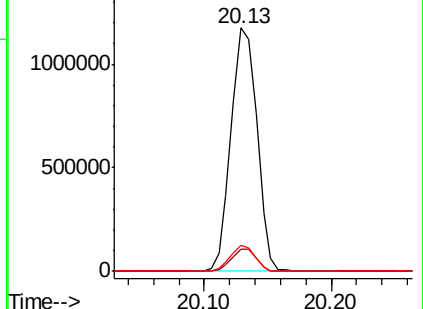
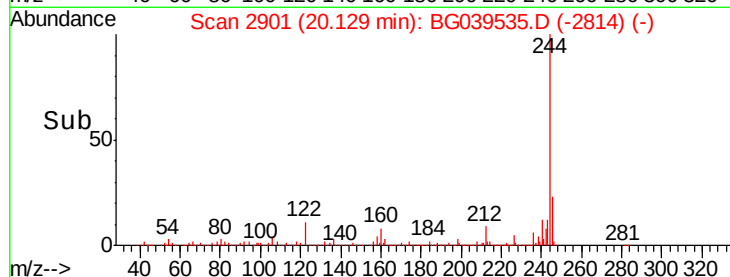
122 10.5 8.4 12.6



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: 25.21 min Scan# 3766

Delta R.T. -0.03 min

Lab File: BG039535.D

Acq: 16 Feb 2019 00:00

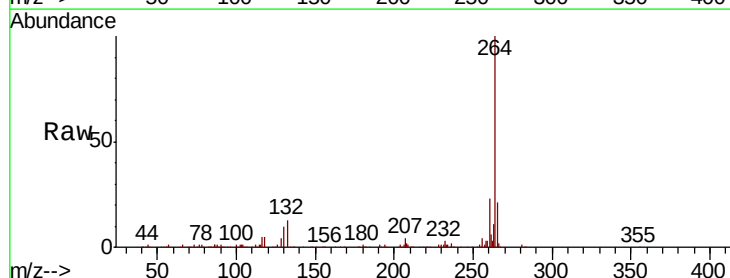
Tgt Ion:264 Resp: 424047

Ion Ratio Lower Upper

264 100

260 22.9 18.2 27.4

265 20.9 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

