

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022719\
 Data File : BG039646.D
 Acq On : 27 Feb 2019 22:35
 Operator : JU/SJ
 Sample : PB117445BL
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB117445BL

Quant Time: Feb 28 00:01:41 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	48465	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	209733	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	138906	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	349005	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	387579	20.00	ng	-0.03
87) Perylene-d12	25.20	264	389476	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	372310	131.48	ng	0.00
7) Phenol-d6	7.31	99	527438	126.54	ng	0.00
23) Nitrobenzene-d5	9.34	82	297981	88.76	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	148968	99.59	ng	-0.02
45) 2-Fluorobiphenyl	13.41	172	755399	78.01	ng	-0.02
79) Terphenyl-d14	20.12	244	1284468	70.15	ng	-0.03

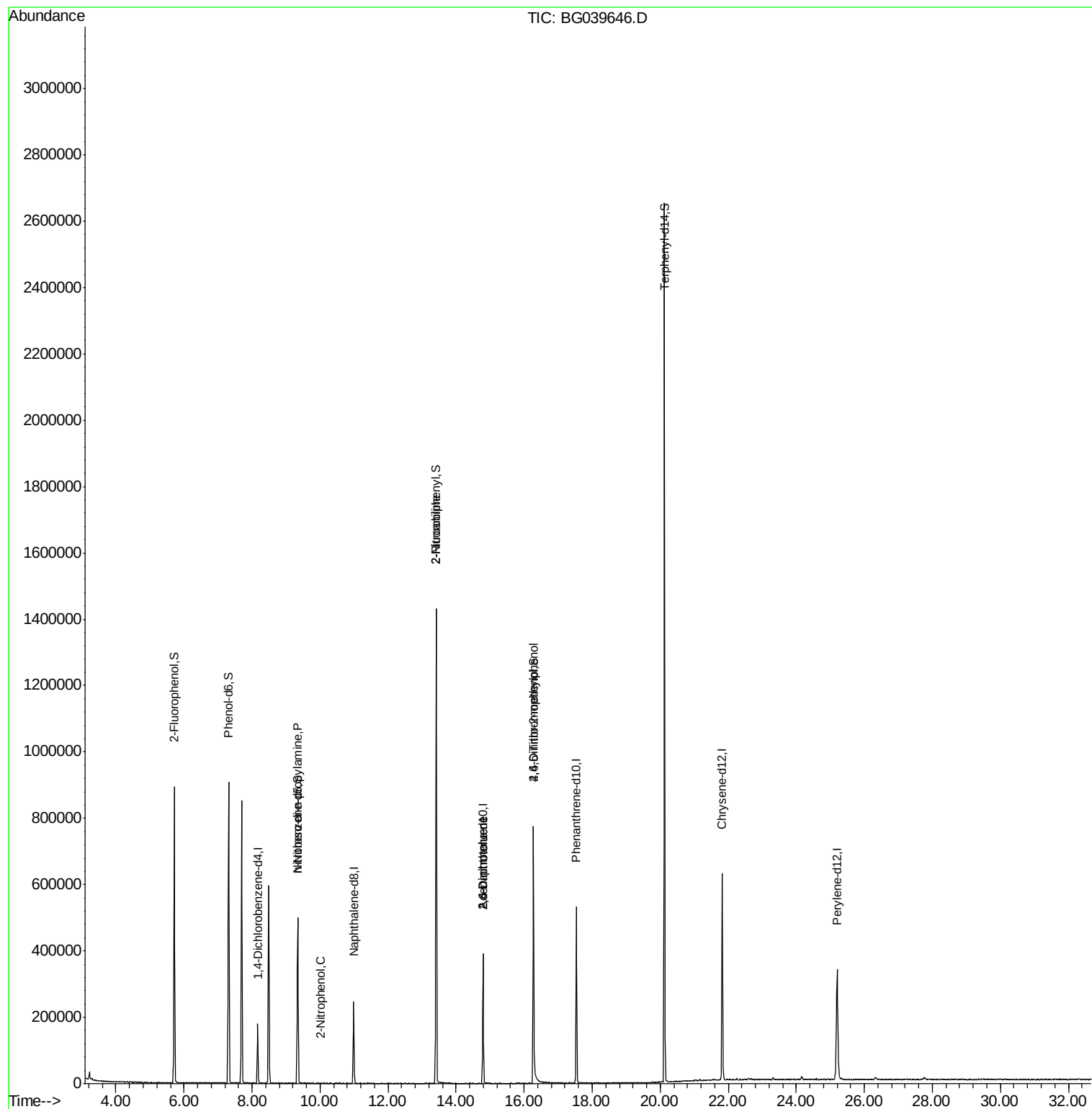
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	834	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.34	70	39036	13.195	ng	# 68
26) 2-Nitrophenol	10.03	139	56	4.052	ng	# 31
48) 2-Nitroaniline	13.41	65	1141	8.674	ng	# 1
51) 2,6-Dinitrotoluene	14.79	165	18315	14.101	ng	# 23
57) 2,4-Dinitrotoluene	14.79	165	18315	13.533	ng	# 18
65) 4,6-Dinitro-2-methylphenol	16.28	198	518	4.650	ng	# 1

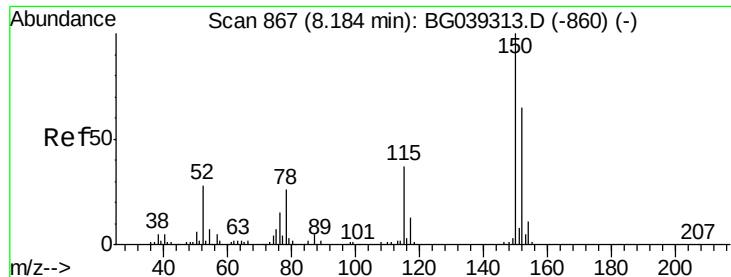
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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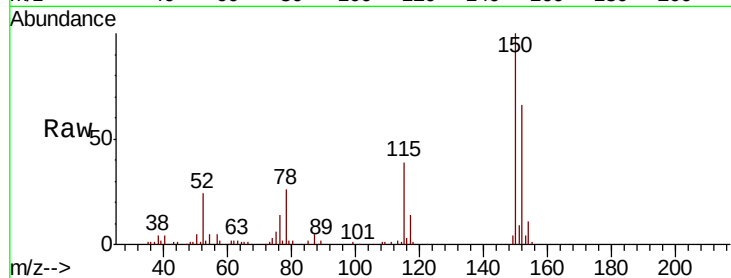


#1

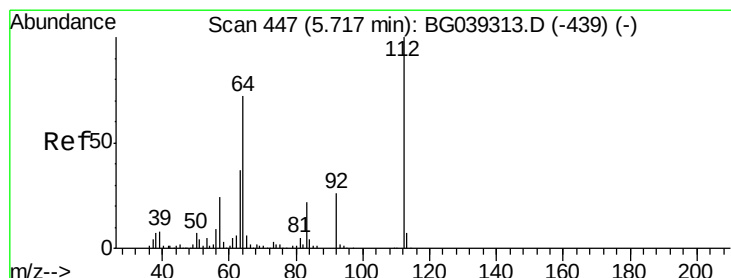
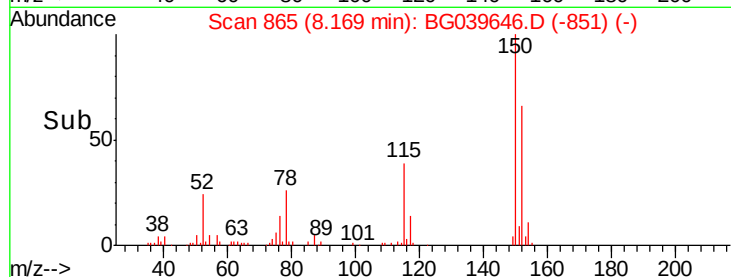
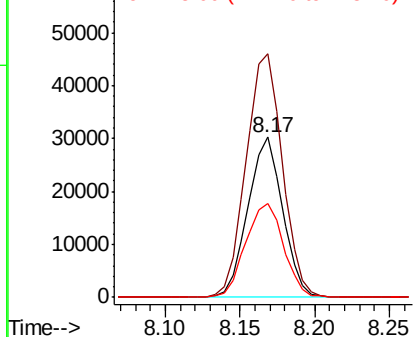
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.02 min
Lab File: BG039646.D
Acq: 27 Feb 2019 22:35

Instrument :
BNA_G
ClientSampleId :
PB117445BL

Tgt Ion:152 Resp: 48465
Ion Ratio Lower Upper
152 100
150 152.1 123.7 185.5
115 58.9 45.9 68.9



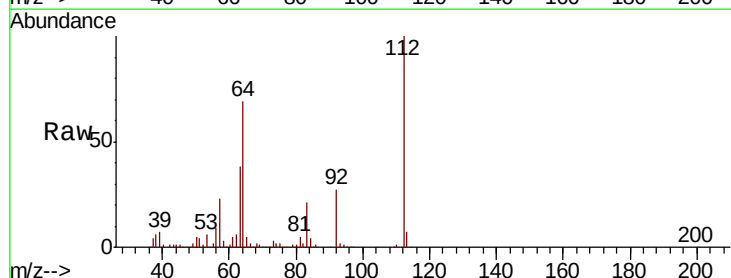
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



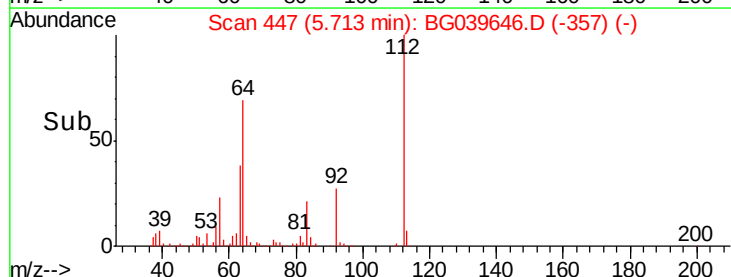
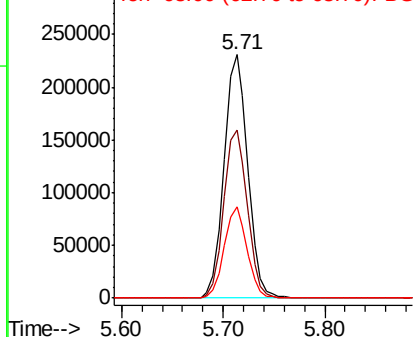
#5

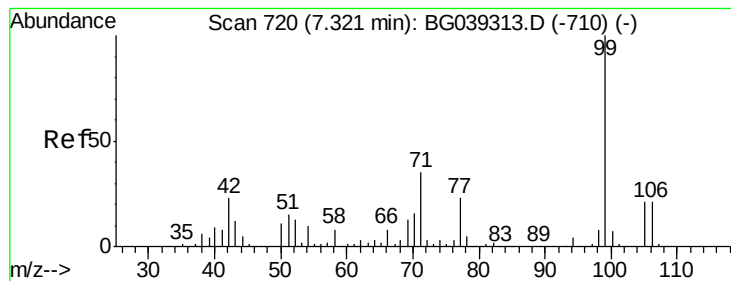
2-Fluorophenol
Concen: 131.479 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039646.D
Acq: 27 Feb 2019 22:35

Tgt Ion:112 Resp: 372310
Ion Ratio Lower Upper
112 100
64 68.8 57.8 86.8
63 37.7 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: 126.539 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039646.D

Acq: 27 Feb 2019 22:35

Instrument :

BNA_G

ClientSampleId :

PB117445BL

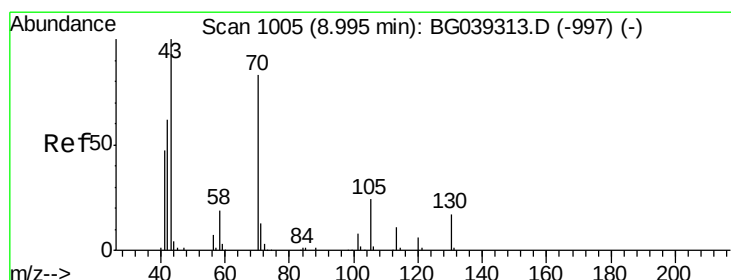
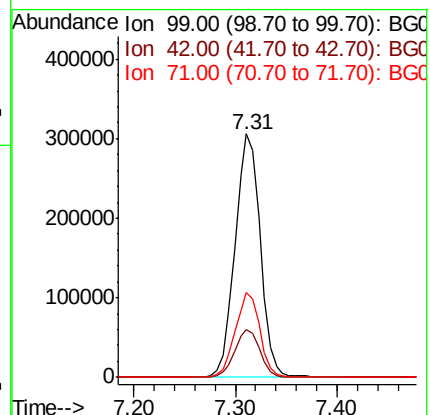
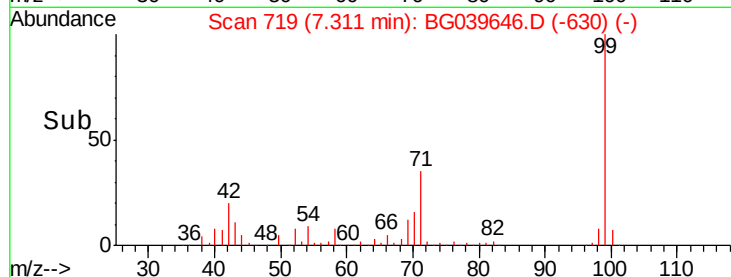
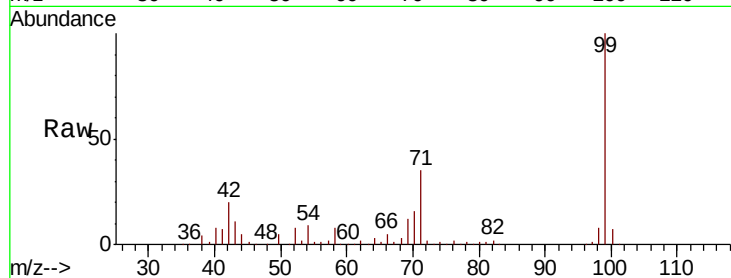
Tgt Ion: 99 Resp: 527438

Ion Ratio Lower Upper

99 100

42 19.7 18.2 27.2

71 35.1 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.195 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039646.D

Acq: 27 Feb 2019 22:35

Tgt Ion: 70 Resp: 39036

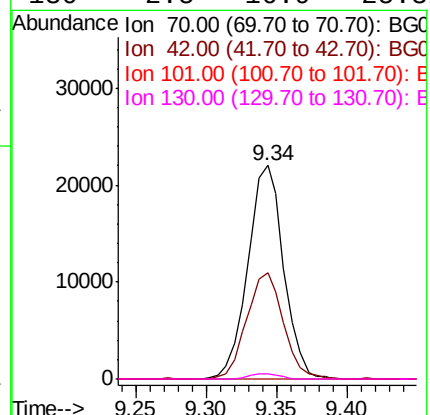
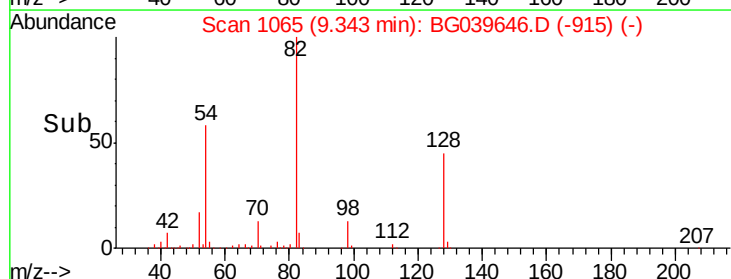
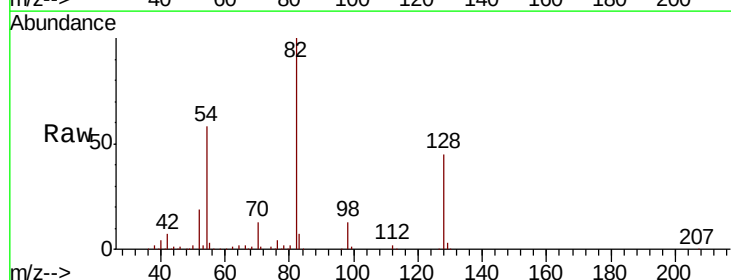
Ion Ratio Lower Upper

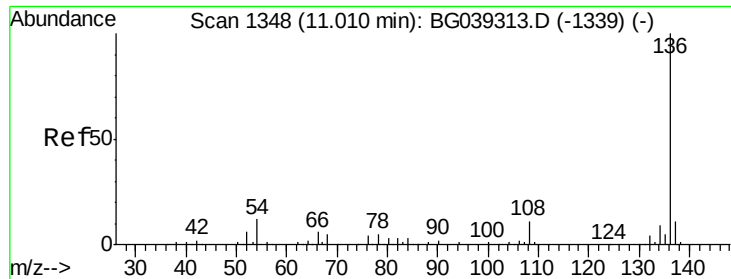
70 100

42 49.8 60.4 90.6#

101 0.0 7.5 11.3#

130 2.5 16.9 25.3#

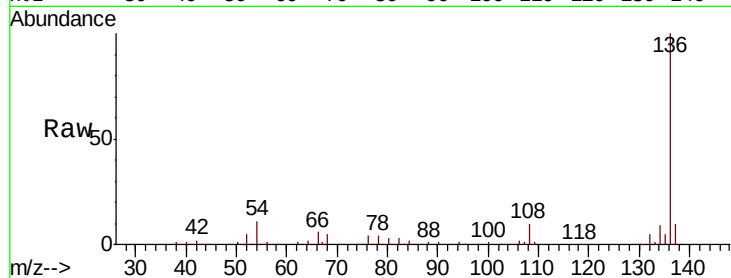




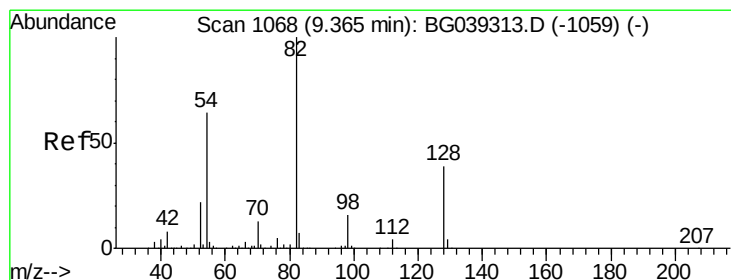
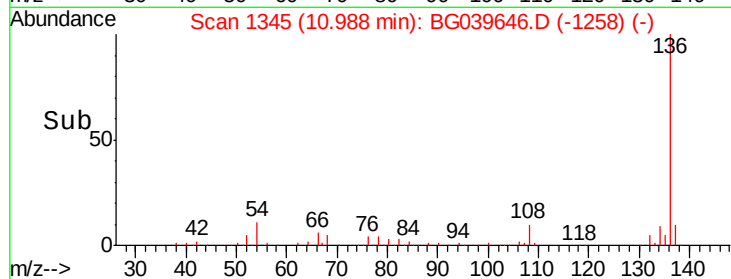
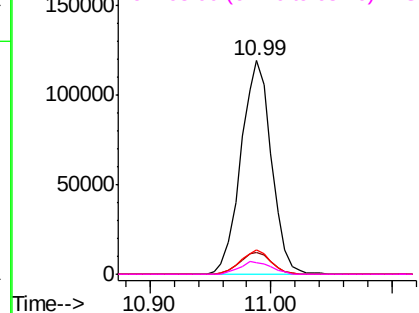
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039646.D
Acq: 27 Feb 2019 22:35

Instrument :
BNA_G
ClientSampleId :
PB117445BL

Tgt Ion:	136	Resp:	209733
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.1	13.7
54	11.2	9.4	14.2
68	5.4	4.2	6.4

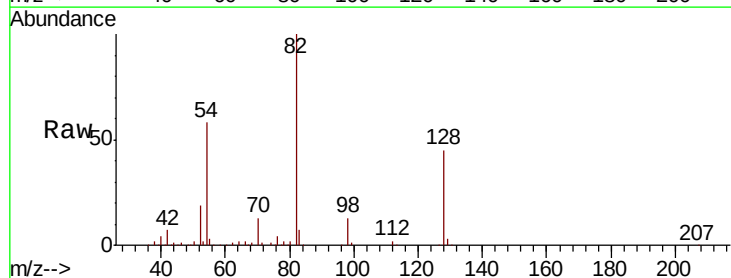


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

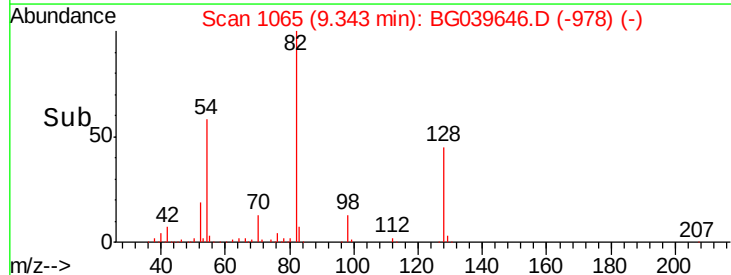
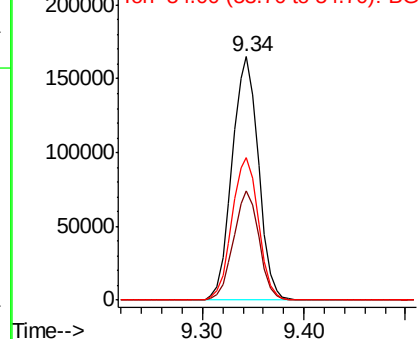


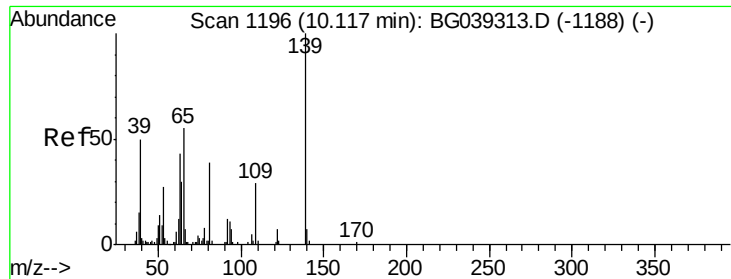
#23
Nitrobenzene-d5
Concen: 88.757 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039646.D
Acq: 27 Feb 2019 22:35

Tgt Ion:	82	Resp:	297981
Ion	Ratio	Lower	Upper
82	100		
128	45.0	31.3	46.9
54	58.3	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

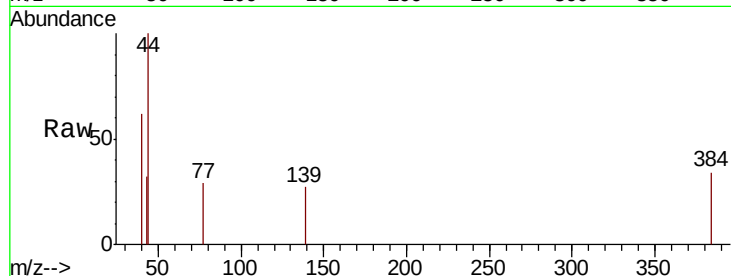




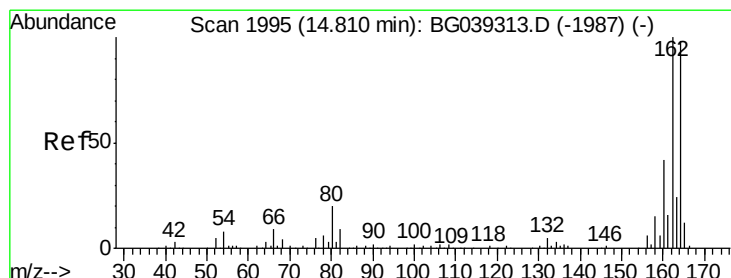
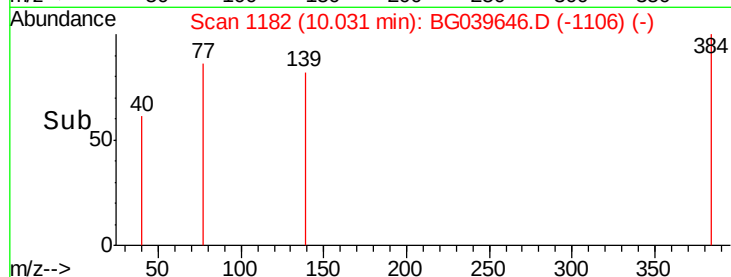
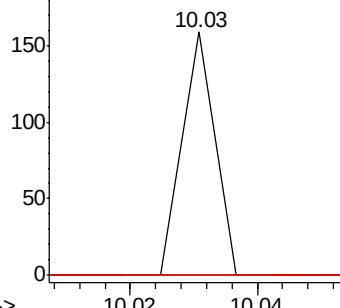
#26
2-Nitrophenol
Concen: 4.052 ng
RT: 10.03 min Scan# 1182
Delta R.T. -0.09 min
Lab File: BG039646.D
Acq: 27 Feb 2019 22:35

Instrument :
BNA_G
ClientSampleId :
PB117445BL

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	23.4	35.0#
65	0.0	44.3	66.5#

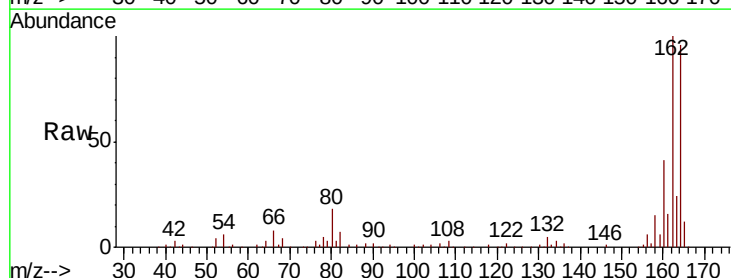


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): B

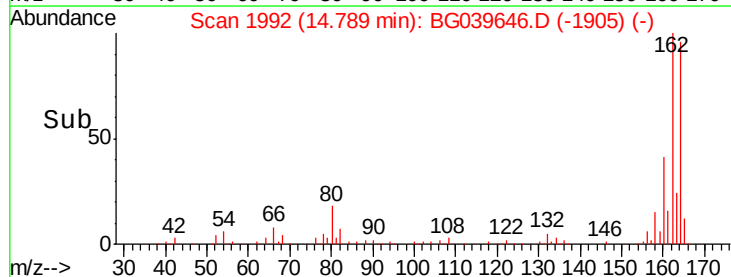
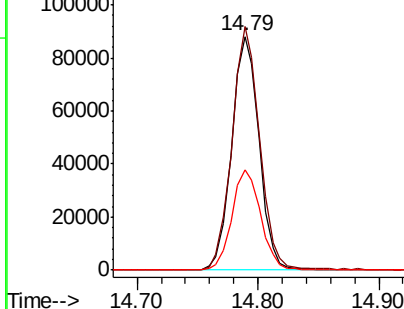


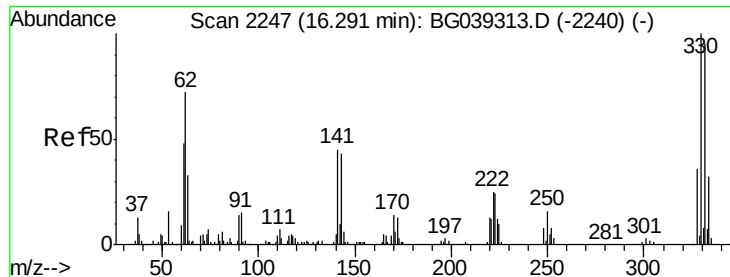
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.02 min
Lab File: BG039646.D
Acq: 27 Feb 2019 22:35

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.2	81.6	122.4
160	42.8	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

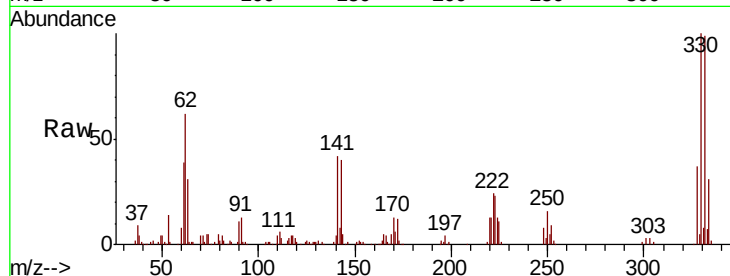




#42
 2,4,6-Tribromophenol
 Concen: 99.592 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.02 min
 Lab File: BG039646.D
 Acq: 27 Feb 2019 22:35

Instrument :
 BNA_G
 ClientSampleId :
 PB117445BL

Tgt Ion	Ratio	Lower	Upper
330	100		
332	99.1	75.7	113.5
141	38.7	35.6	53.4

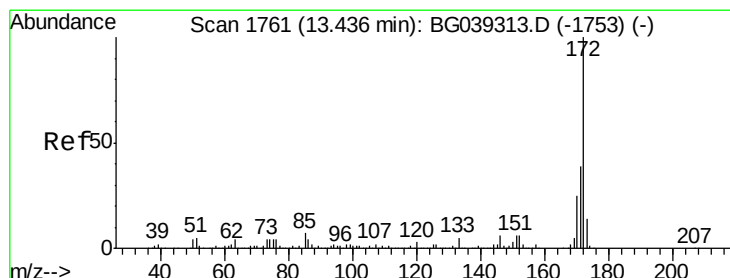
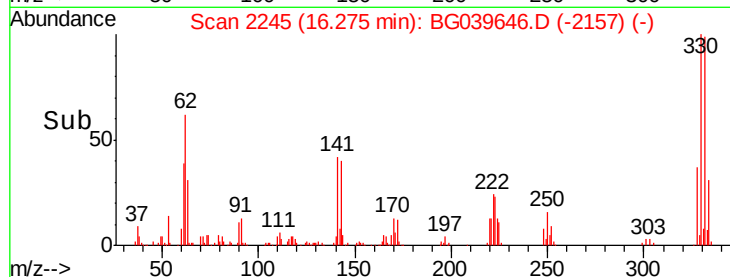
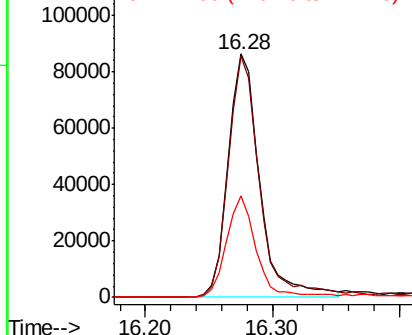


Abundance

Ion 329.80 (329.50 to 330.50): E

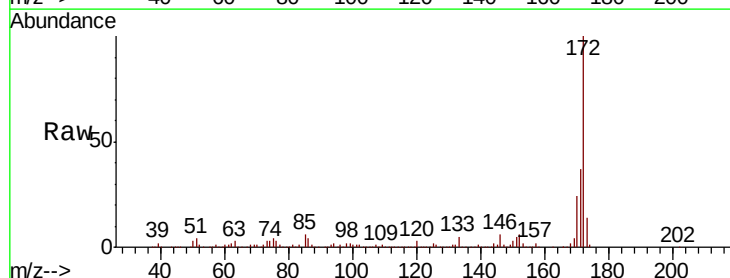
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 78.014 ng
 RT: 13.41 min Scan# 1758
 Delta R.T. -0.02 min
 Lab File: BG039646.D
 Acq: 27 Feb 2019 22:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	30.8	46.2
170	24.2	20.2	30.4

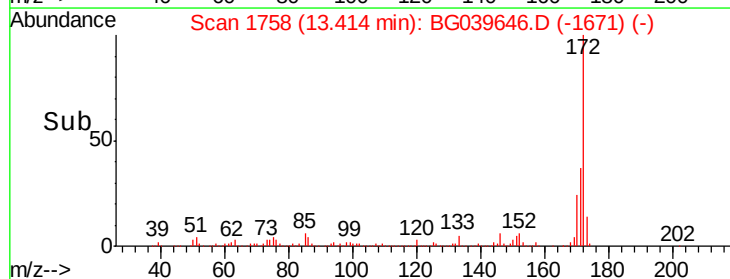
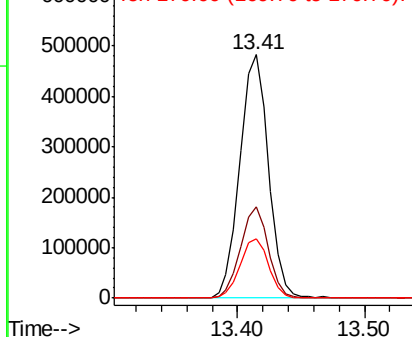


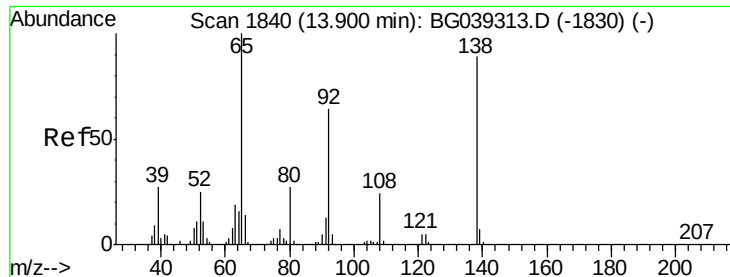
Abundance

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: 8.674 ng

RT: 13.41 min Scan# 1758

Delta R.T. -0.48 min

Lab File: BG039646.D

Acq: 27 Feb 2019 22:35

Instrument :

BNA_G

ClientSampleId :

PB117445BL

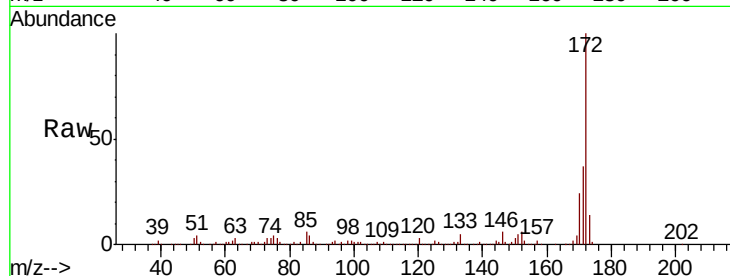
Tgt Ion: 65 Resp: 1141

Ion Ratio Lower Upper

65 100

92 220.3 51.4 77.2#

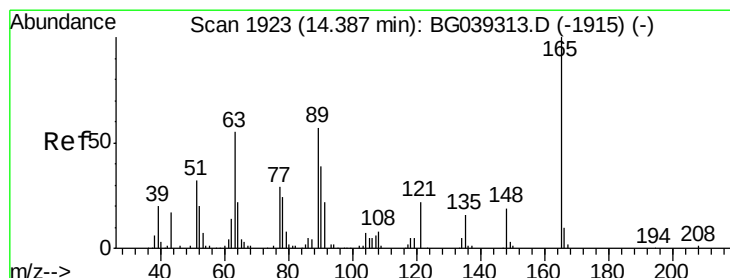
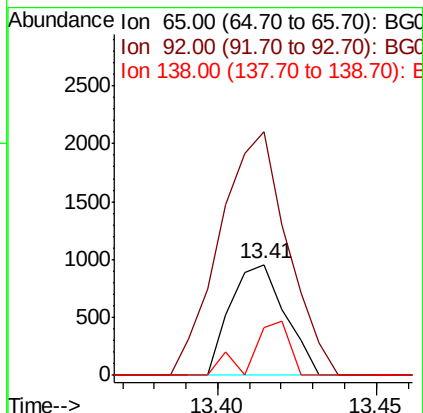
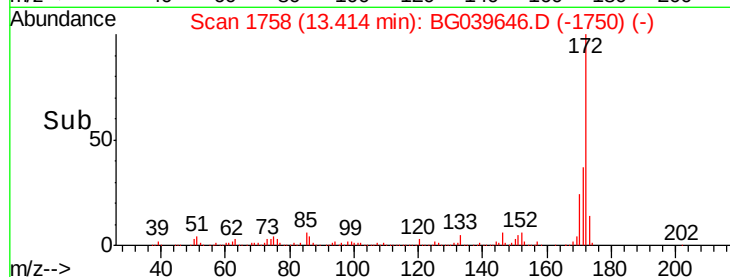
138 43.5 71.4 107.2#



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): BGC



#51

2,6-Dinitrotoluene

Concen: 14.101 ng

RT: 14.79 min Scan# 1992

Delta R.T. 0.40 min

Lab File: BG039646.D

Acq: 27 Feb 2019 22:35

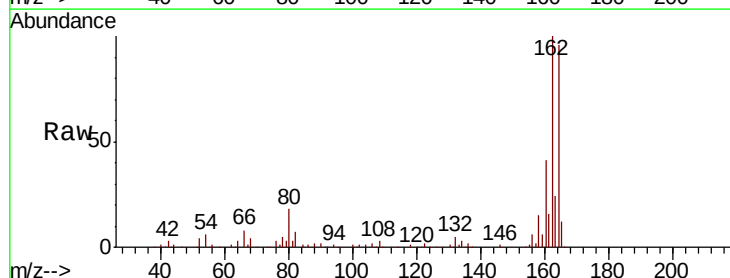
Tgt Ion: 165 Resp: 18315

Ion Ratio Lower Upper

165 100

63 1.9 47.0 70.6#

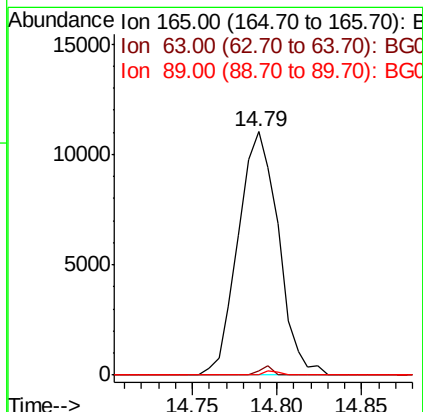
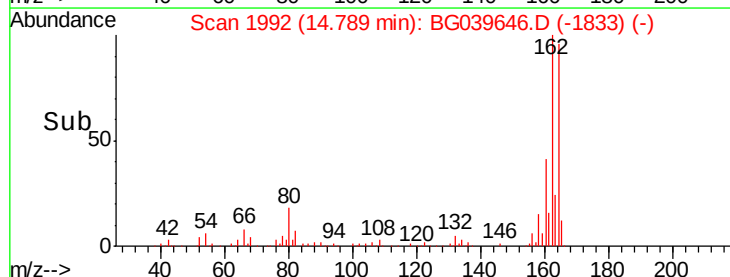
89 0.0 45.8 68.8#

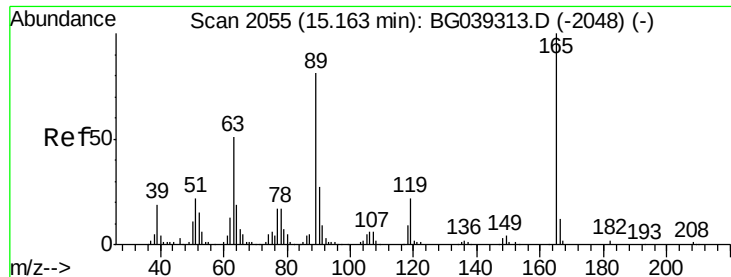


Abundance Ion 165.00 (164.70 to 165.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#57

2,4-Dinitrotoluene

Concen: 13.533 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.37 min

Lab File: BG039646.D

Acq: 27 Feb 2019 22:35

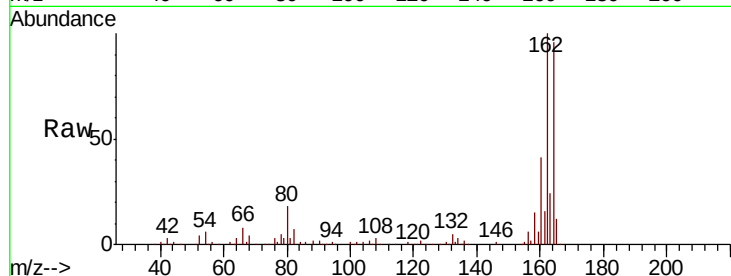
Instrument :

BNA_G

ClientSampleId :

PB117445BL

Tgt Ion:	165	Resp:	18315
Ion	Ratio	Lower	Upper
165	100		
63	1.9	41.0	61.6#
89	0.0	64.6	96.8#
182	0.0	2.0	3.0#

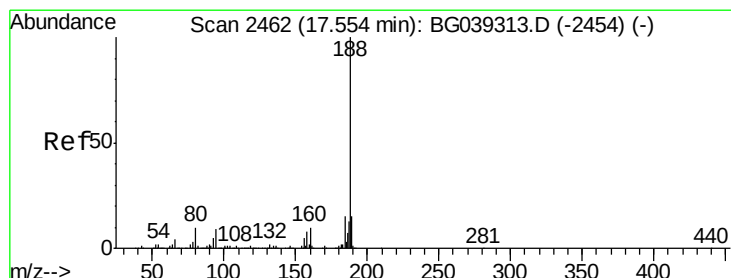
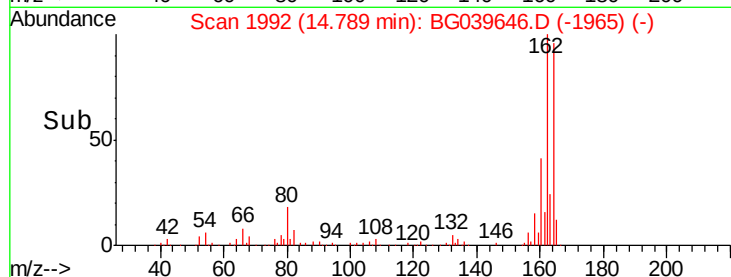
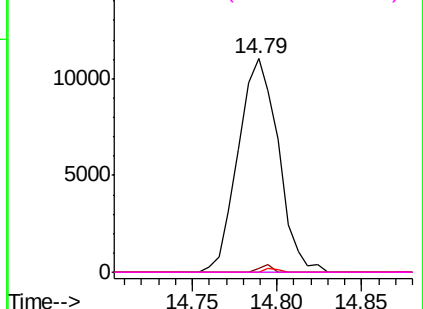


Abundance Ion 165.00 (164.70 to 165.70): E

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



#64

Phenanthrene-d10

Concen: 20.000 ng

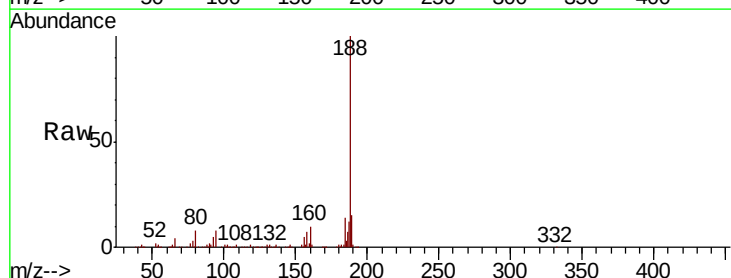
RT: 17.53 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039646.D

Acq: 27 Feb 2019 22:35

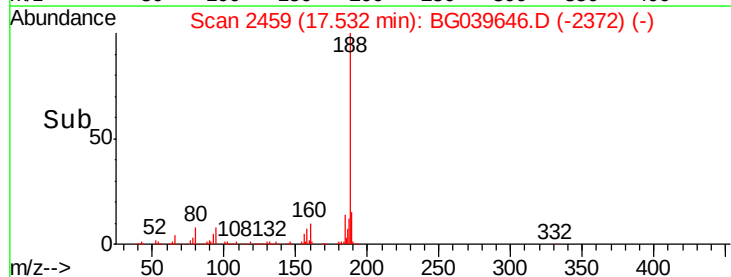
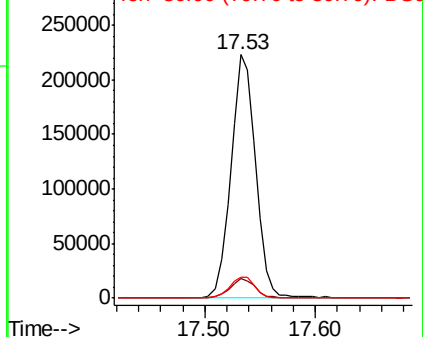
Tgt Ion:	188	Resp:	349005
Ion	Ratio	Lower	Upper
188	100		
94	7.9	6.9	10.3
80	8.3	8.1	12.1

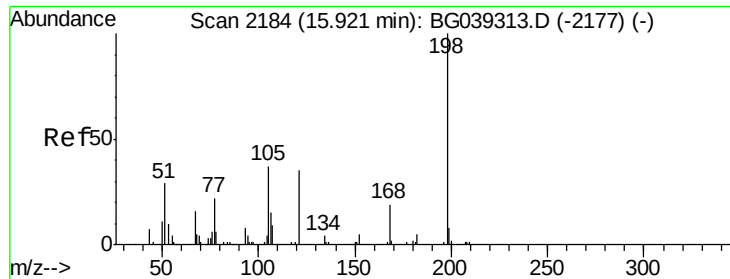


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

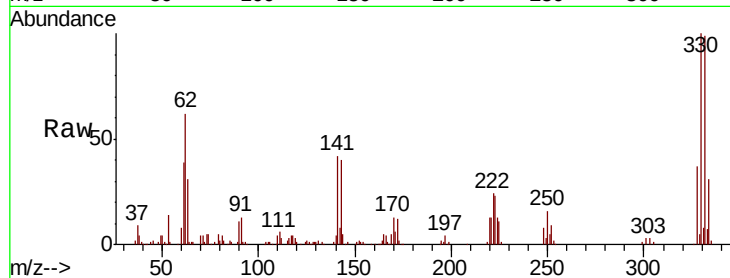




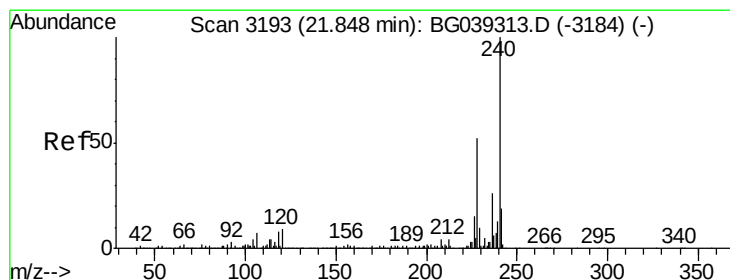
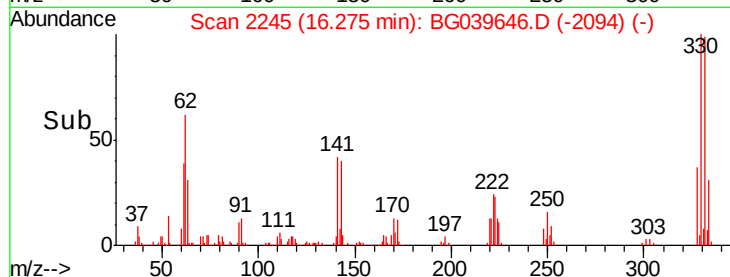
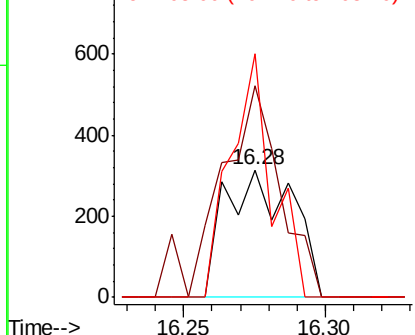
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.650 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. 0.36 min
 Lab File: BG039646.D
 Acq: 27 Feb 2019 22:35

Instrument :
 BNA_G
 ClientSampleId :
 PB117445BL

Tgt Ion:198 Resp: 518
 Ion Ratio Lower Upper
 198 100
 51 166.0 27.4 67.4#
 105 190.8 19.7 59.7#

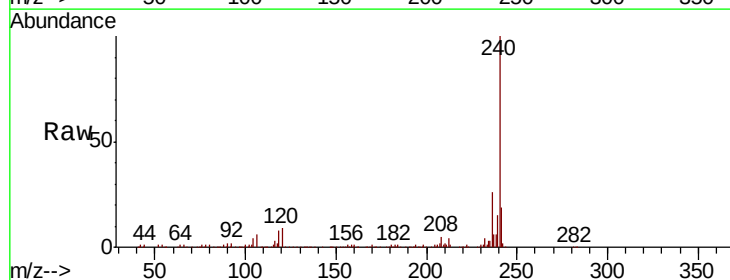


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

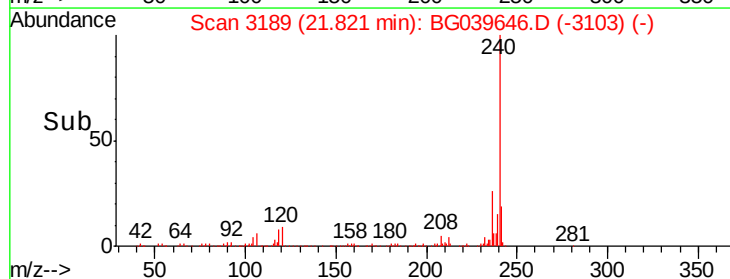
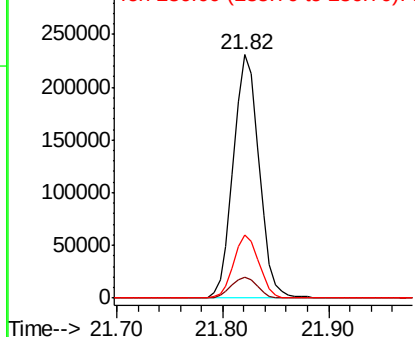


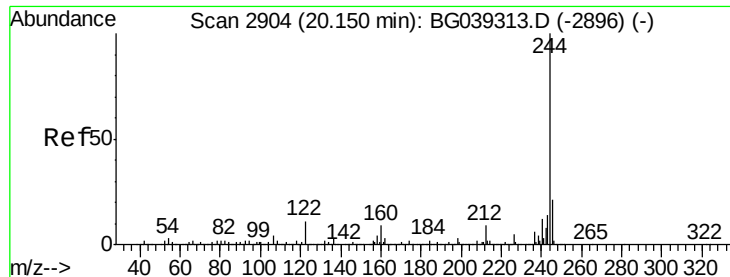
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3189
 Delta R.T. -0.03 min
 Lab File: BG039646.D
 Acq: 27 Feb 2019 22:35

Tgt Ion:240 Resp: 387579
 Ion Ratio Lower Upper
 240 100
 120 8.8 7.0 10.6
 236 26.0 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





#79

Terphenyl-d14

Concen: 70.149 ng

RT: 20.12 min Scan# 2900

Delta R.T. -0.03 min

Lab File: BG039646.D

Acq: 27 Feb 2019 22:35

Instrument :

BNA_G

ClientSampleId :

PB117445BL

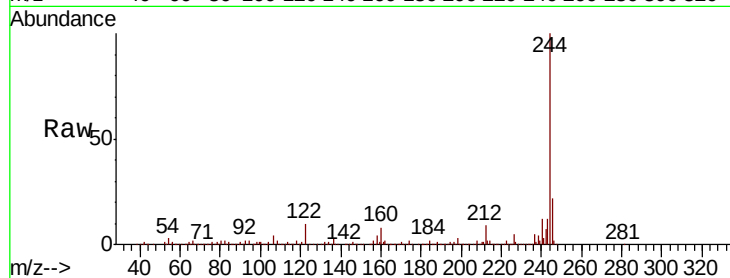
Tgt Ion:244 Resp: 1284468

Ion Ratio Lower Upper

244 100

212 8.9 7.3 10.9

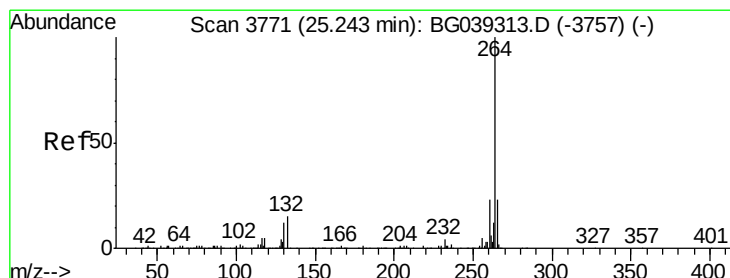
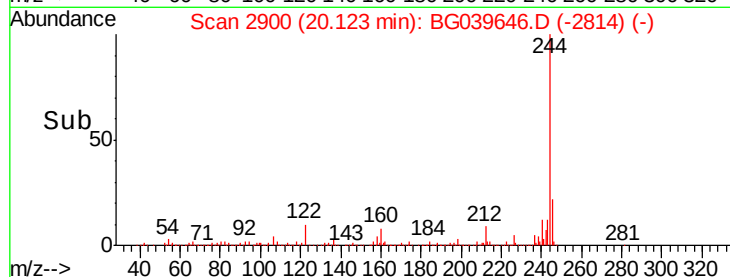
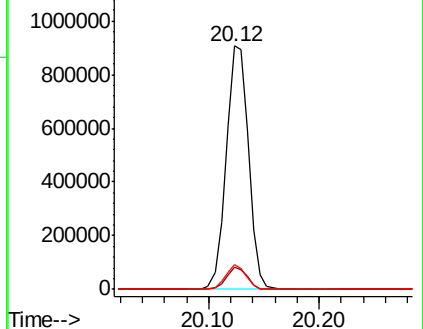
122 10.3 8.4 12.6



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: 25.20 min Scan# 3764

Delta R.T. -0.04 min

Lab File: BG039646.D

Acq: 27 Feb 2019 22:35

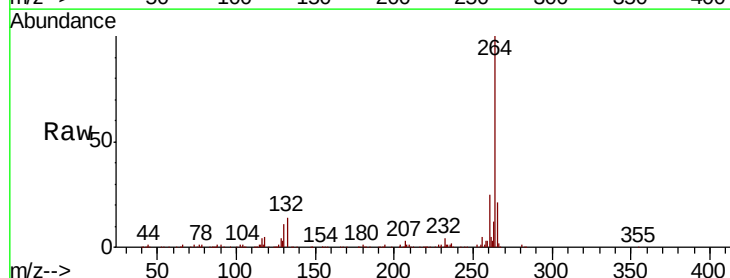
Tgt Ion:264 Resp: 389476

Ion Ratio Lower Upper

264 100

260 25.5 18.2 27.4

265 21.1 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

