

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG030119\
 Data File : BG039702.D
 Acq On : 2 Mar 2019 00:54
 Operator : JU/SJ
 Sample : K1675-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 Z-3-11-A

Quant Time: Mar 02 03:15:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 06:15:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	53851	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	226510	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	148970	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	344993	20.00	ng	0.00
76) Chrysene-d12	21.82	240	365791	20.00	ng	-0.01
87) Perylene-d12	25.20	264	341692	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	423199	134.50	ng	0.00
7) Phenol-d6	7.31	99	550478	118.86	ng	0.00
23) Nitrobenzene-d5	9.34	82	401934	110.85	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	211431	131.80	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	897867	86.46	ng	0.00
79) Terphenyl-d14	20.13	244	1468535	84.98	ng	0.00

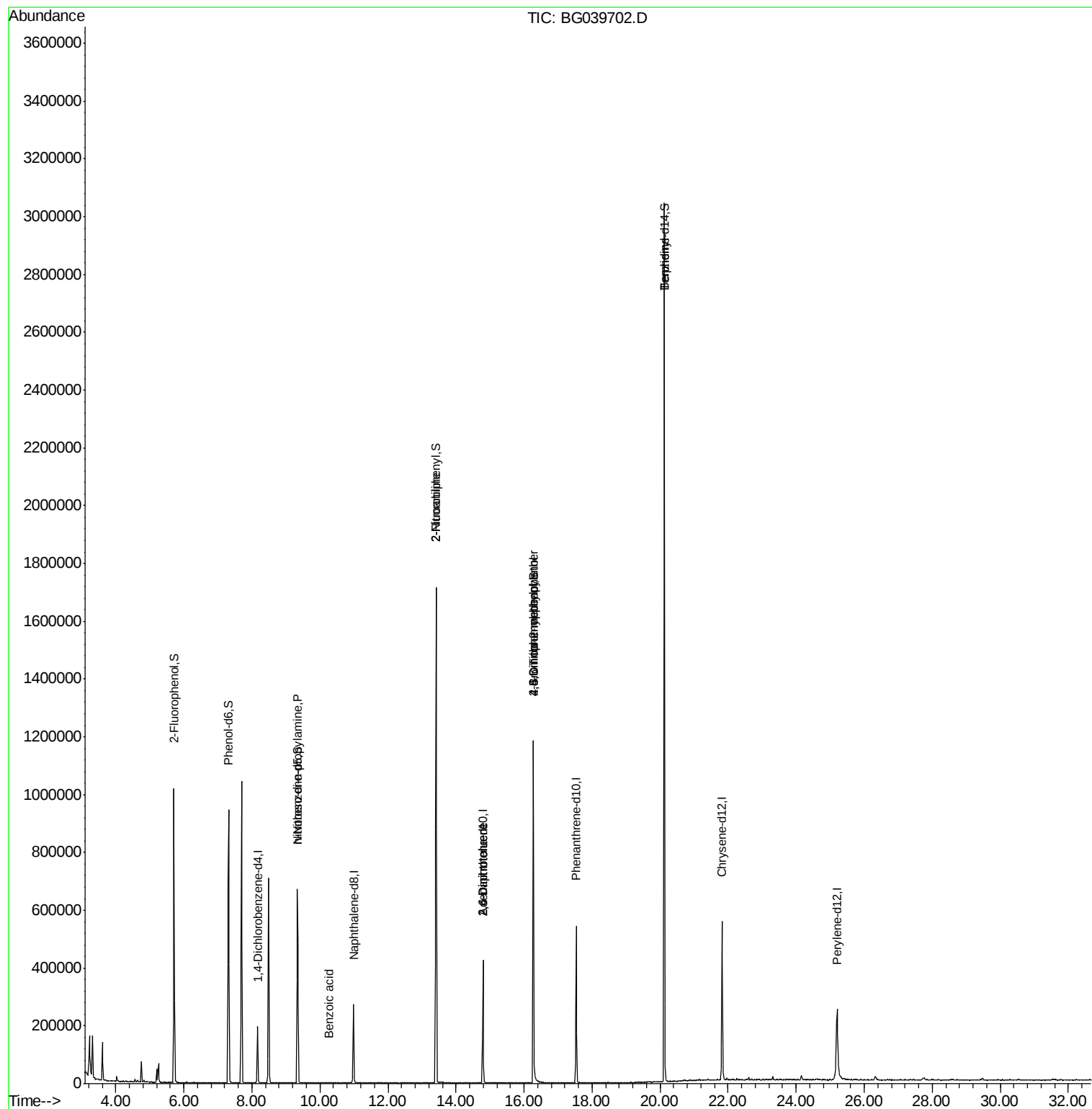
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	915	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.34	70	52421	15.947	ng	# 70
32) Benzoic acid	10.26	122	111	9.063	ng	# 37
48) 2-Nitroaniline	13.41	65	1597	8.789	ng	# 1
51) 2,6-Dinitrotoluene	14.79	165	19200	13.931	ng	# 24
57) 2,4-Dinitrotoluene	14.79	165	19200	13.404	ng	# 19
65) 4,6-Dinitro-2-methylphenol	16.28	198	765	4.886	ng	# 16
67) 4-Bromophenyl-phenylether	16.27	248	16466	4.302	ng	# 1
77) Benzidine	20.13	184	25195	2.101	ng	# 90

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

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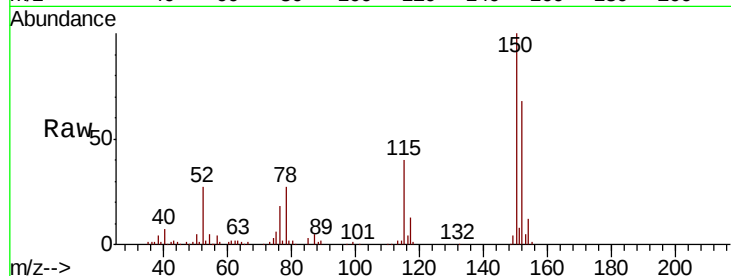


#1

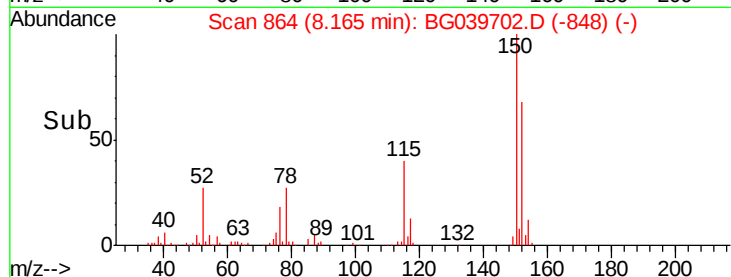
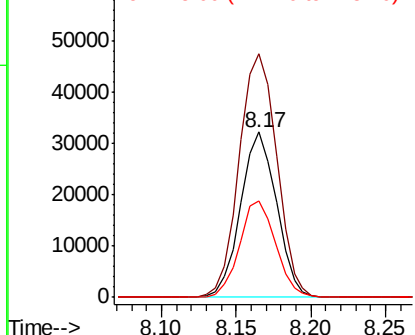
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: BG039702.D
Acq: 2 Mar 2019 00:54

Instrument :
BNA_G
ClientSampleId :
Z-3-11-A

Tgt Ion:152 Resp: 53851
Ion Ratio Lower Upper
152 100
150 147.3 123.7 185.5
115 58.6 45.9 68.9



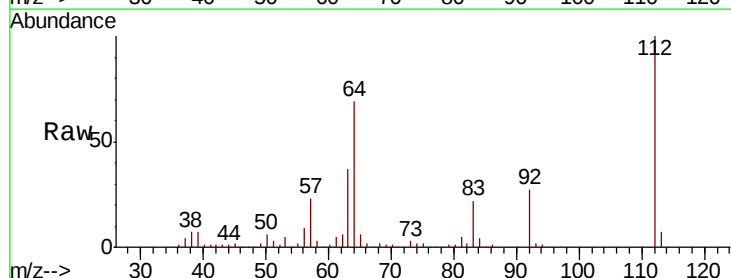
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



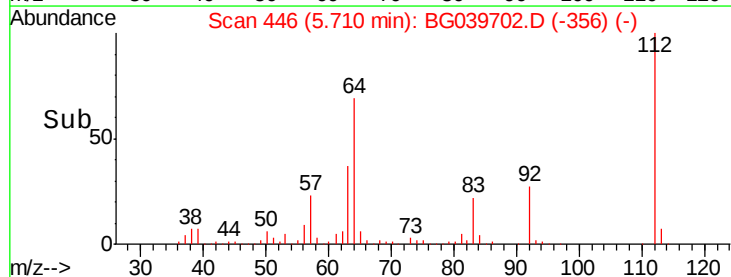
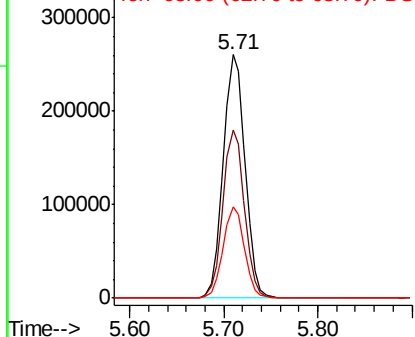
#5

2-Fluorophenol
Concen: 134.502 ng
RT: 5.71 min Scan# 446
Delta R.T. 0.00 min
Lab File: BG039702.D
Acq: 2 Mar 2019 00:54

Tgt Ion:112 Resp: 423199
Ion Ratio Lower Upper
112 100
64 69.0 57.8 86.8
63 37.3 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 118.857 ng

RT: 7.31 min Scan# 719

Delta R.T. 0.00 min

Lab File: BG039702.D

Acq: 2 Mar 2019 00:54

Instrument :

BNA_G

ClientSampleId :

Z-3-11-A

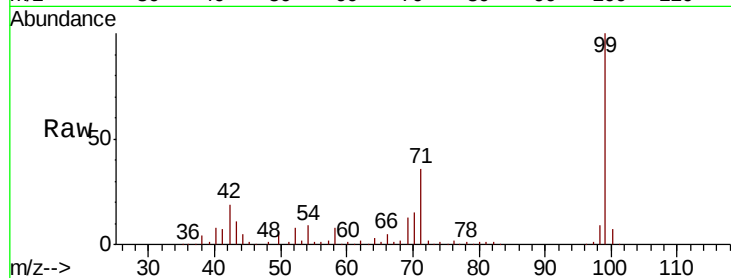
Tgt Ion: 99 Resp: 550478

Ion Ratio Lower Upper

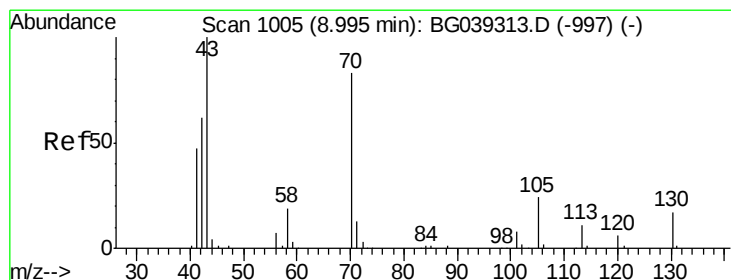
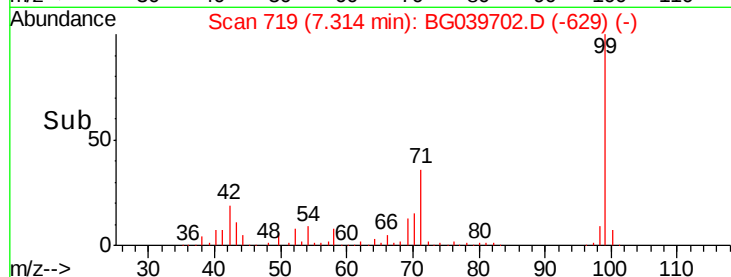
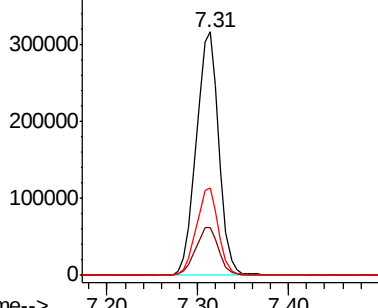
99 100

42 19.4 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



#19

n-Nitroso-di-n-propylamine

Concen: 15.947 ng

RT: 9.34 min Scan# 1064

Delta R.T. 0.37 min

Lab File: BG039702.D

Acq: 2 Mar 2019 00:54

Tgt Ion: 70 Resp: 52421

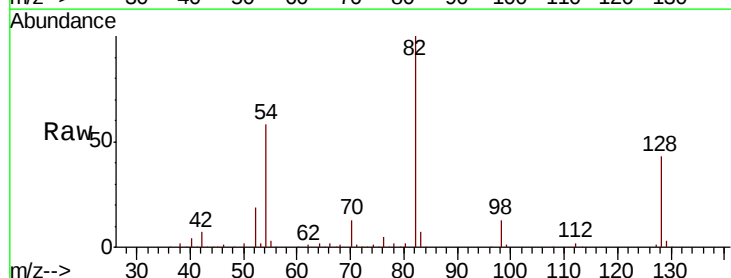
Ion Ratio Lower Upper

70 100

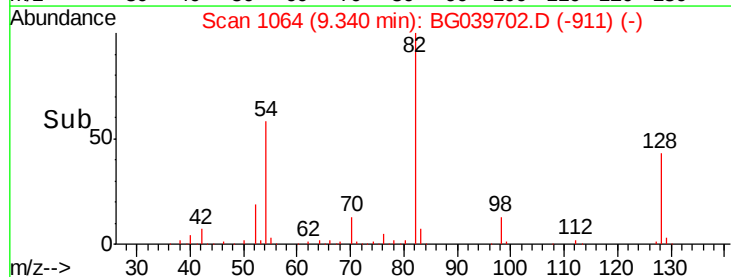
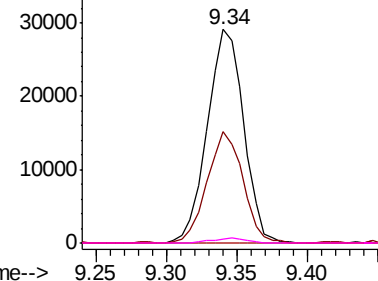
42 52.3 60.4 90.6#

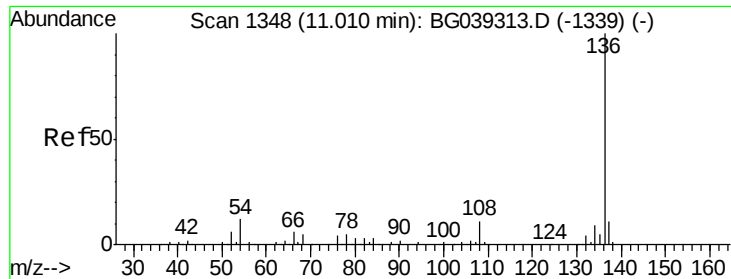
101 0.0 7.5 11.3#

130 1.9 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

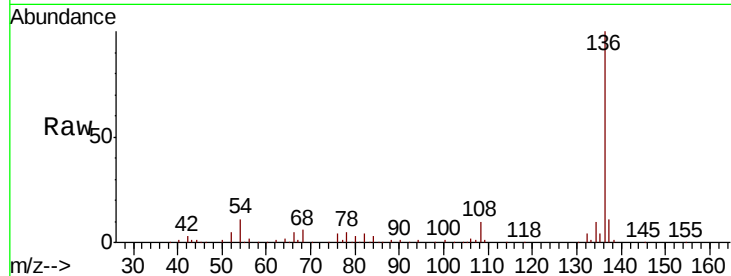




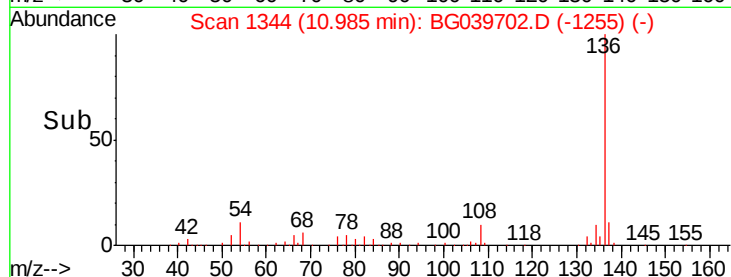
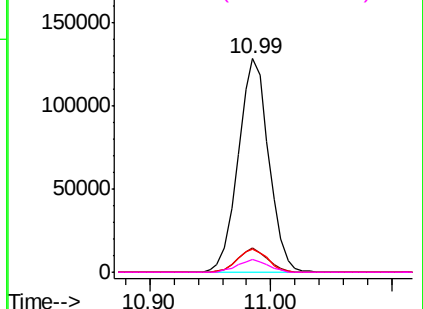
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1344
Delta R.T. -0.00 min
Lab File: BG039702.D
Acq: 2 Mar 2019 00:54

Instrument :
BNA_G
ClientSampleId :
Z-3-11-A

Tgt Ion:	136	Resp:	226510
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	10.7	9.4	14.2
68	5.8	4.2	6.4

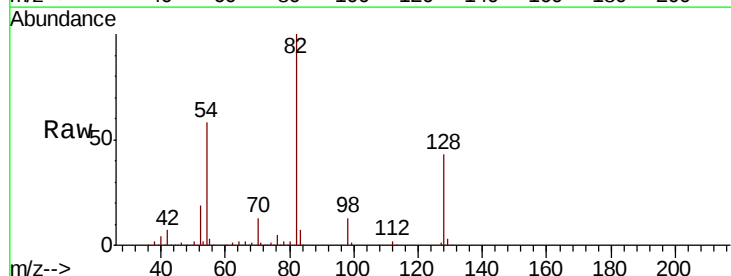


Abundance Ion 136.00 (135.70 to 136.70): E
200000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

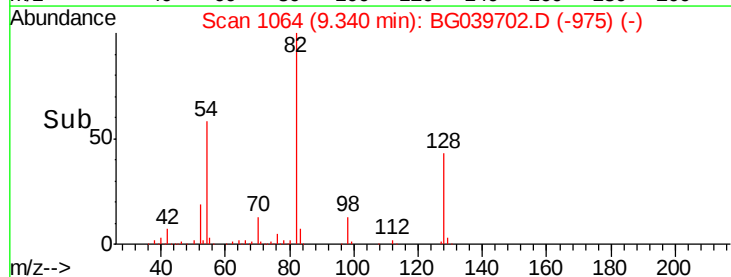
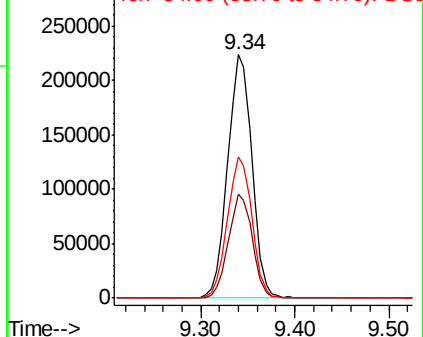


#23
Nitrobenzene-d5
Concen: 110.854 ng
RT: 9.34 min Scan# 1064
Delta R.T. -0.00 min
Lab File: BG039702.D
Acq: 2 Mar 2019 00:54

Tgt Ion:	82	Resp:	401934
Ion	Ratio	Lower	Upper
82	100		
128	42.6	31.3	46.9
54	58.1	50.9	76.3



Abundance Ion 82.00 (81.70 to 82.70): BGC
300000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 9.063 ng

RT: 10.26 min Scan# 1221

Delta R.T. 0.00 min

Lab File: BG039702.D

Acq: 2 Mar 2019 00:54

Instrument :

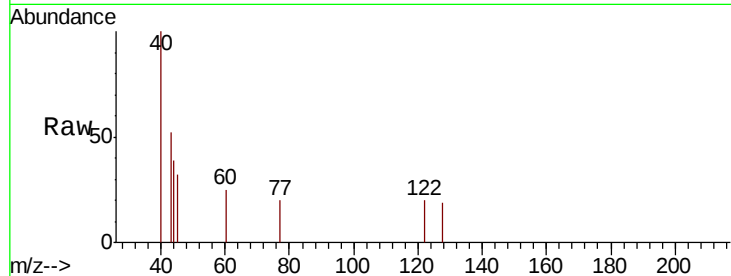
BNA_G

ClientSampleId :

Z-3-11-A

Tgt Ion:122 Resp: 111

Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.8	141.8#
77	101.3	76.3	116.3

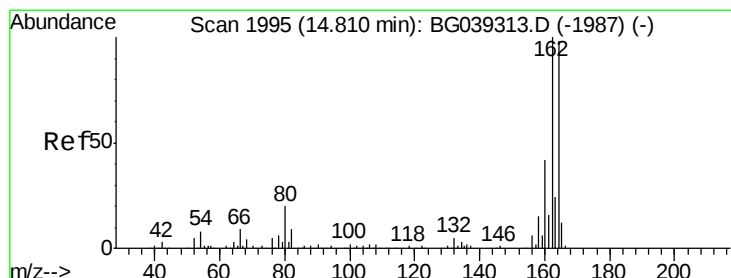
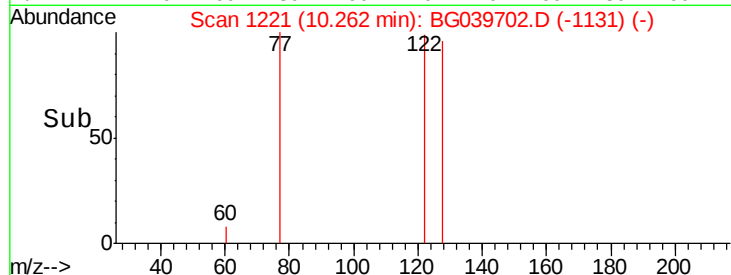
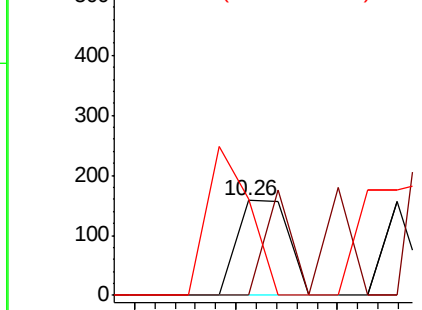


Abundance

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

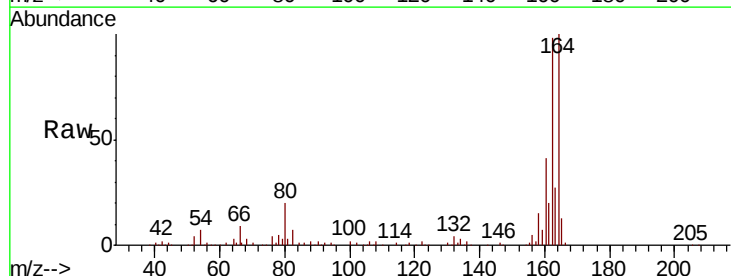
Delta R.T. 0.00 min

Lab File: BG039702.D

Acq: 2 Mar 2019 00:54

Tgt Ion:164 Resp: 148970

Ion	Ratio	Lower	Upper
164	100		
162	97.8	81.6	122.4
160	41.5	34.2	51.2

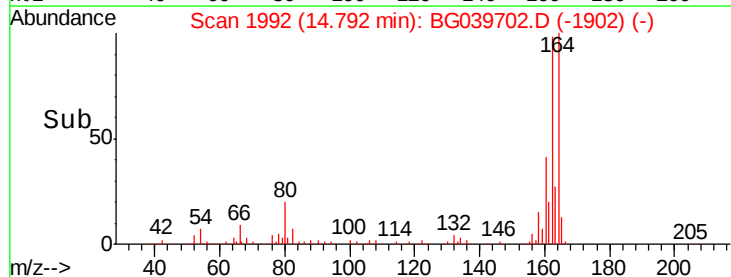
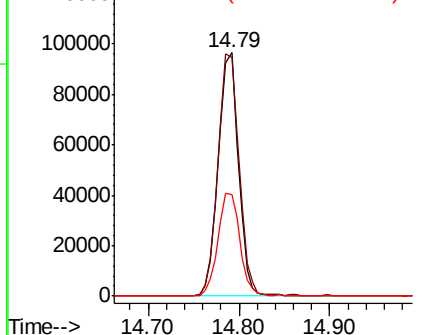


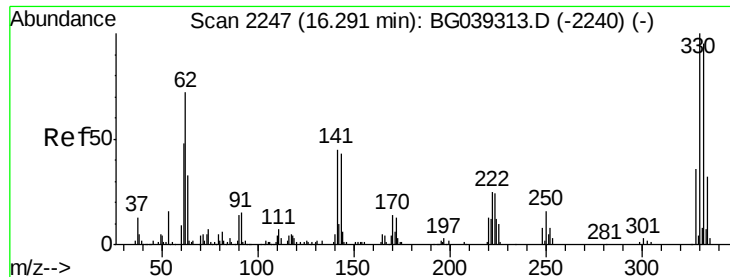
Abundance

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

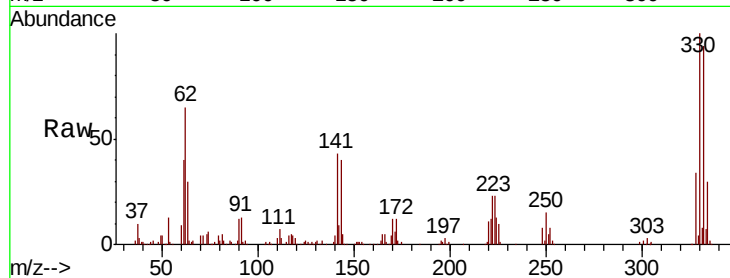




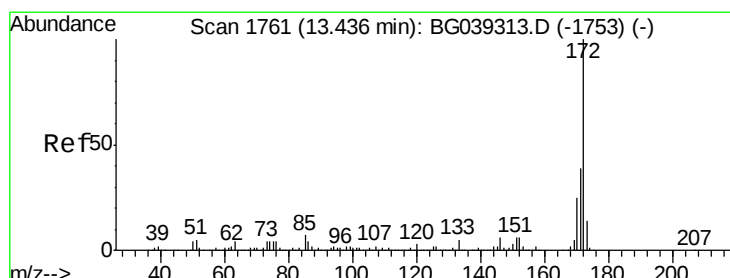
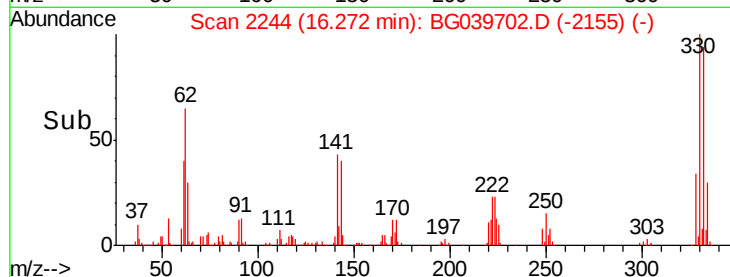
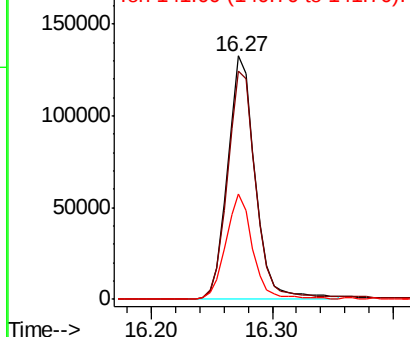
#42
 2,4,6-Tribromophenol
 Concen: 131.802 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: BG039702.D
 Acq: 2 Mar 2019 00:54

Instrument :
 BNA_G
 ClientSampleId :
 Z-3-11-A

Tgt Ion:330 Resp: 211431
 Ion Ratio Lower Upper
 330 100
 332 98.4 75.7 113.5
 141 41.8 35.6 53.4

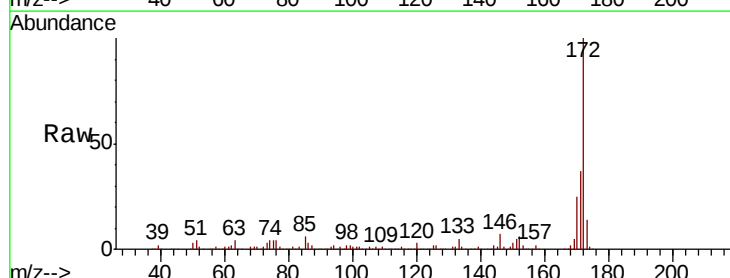


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

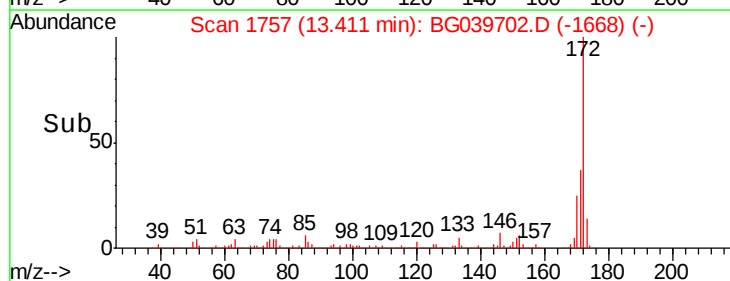
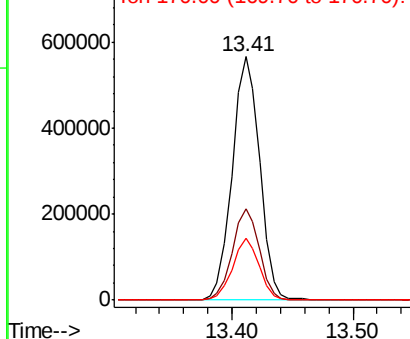


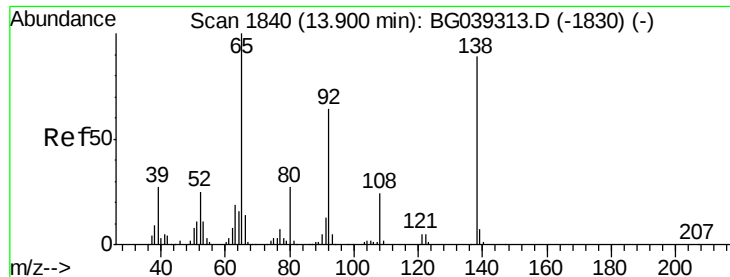
#45
 2-Fluorobiphenyl
 Concen: 86.463 ng
 RT: 13.41 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: BG039702.D
 Acq: 2 Mar 2019 00:54

Tgt Ion:172 Resp: 897867
 Ion Ratio Lower Upper
 172 100
 171 37.3 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

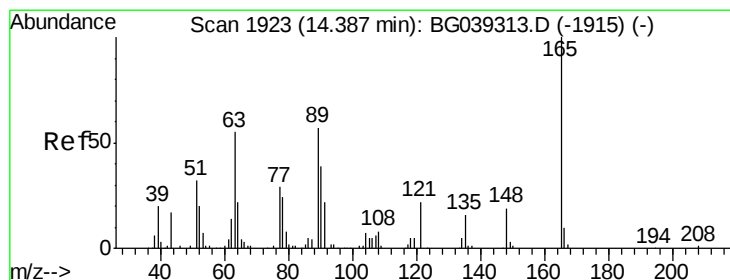
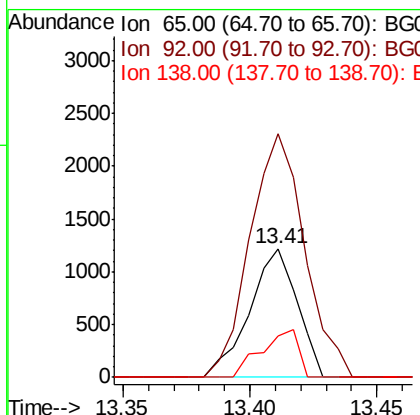
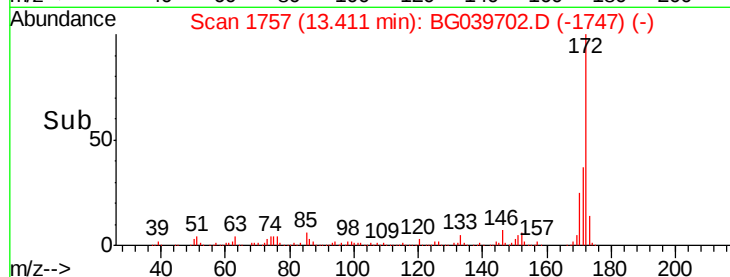
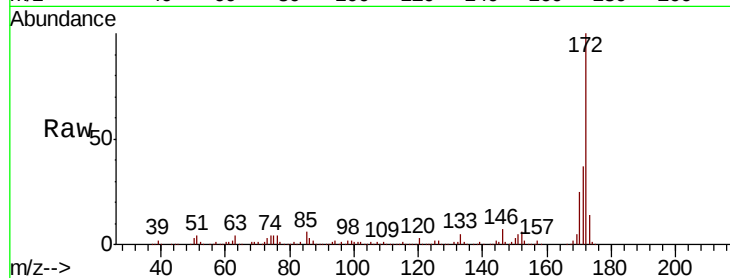




#48
2-Nitroaniline
Concen: 8.789 ng
RT: 13.41 min Scan# 1757
Delta R.T. -0.47 min
Lab File: BG039702.D
Acq: 2 Mar 2019 00:54

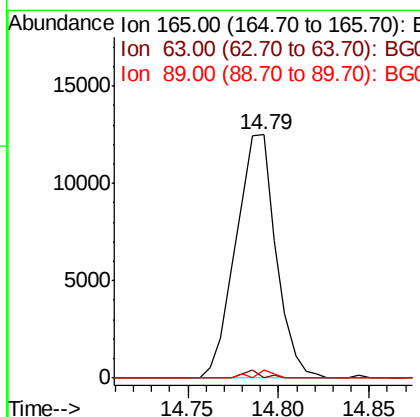
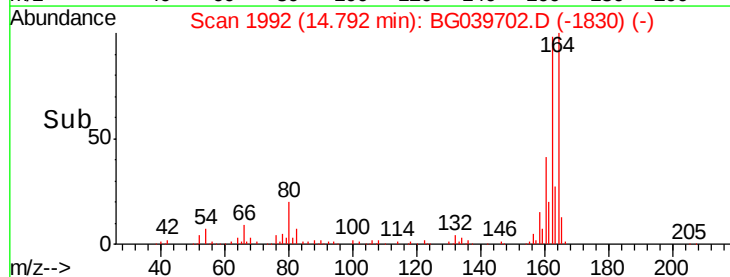
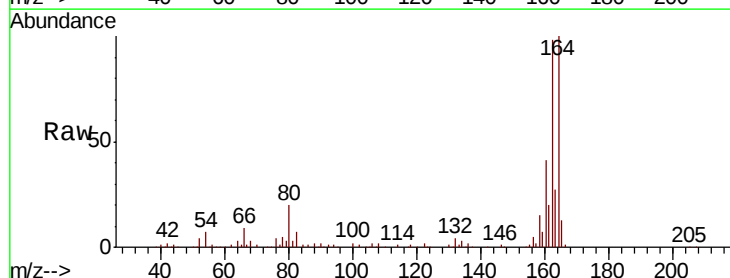
Instrument :
BNA_G
ClientSampleId :
Z-3-11-A

Tgt Ion: 65 Resp: 1597
Ion Ratio Lower Upper
65 100
92 188.9 51.4 77.2#
138 32.5 71.4 107.2#



#51
2,6-Dinitrotoluene
Concen: 13.931 ng
RT: 14.79 min Scan# 1992
Delta R.T. 0.42 min
Lab File: BG039702.D
Acq: 2 Mar 2019 00:54

Tgt Ion: 165 Resp: 19200
Ion Ratio Lower Upper
165 100
63 0.0 47.0 70.6#
89 3.1 45.8 68.8#





#57

2,4-Dinitrotoluene

Concen: 13.404 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.36 min

Lab File: BG039702.D

Acq: 2 Mar 2019 00:54

Instrument :

BNA_G

ClientSampleId :

Z-3-11-A

Tgt Ion:165 Resp: 19200

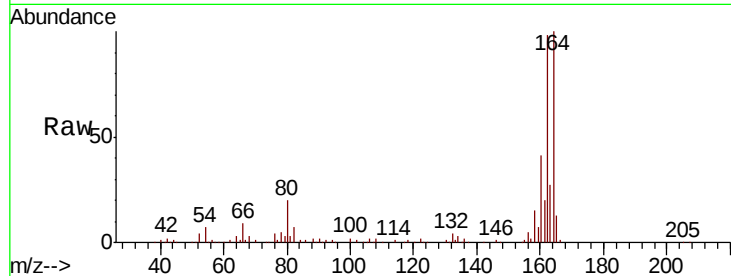
Ion Ratio Lower Upper

165 100

63 0.0 41.0 61.6#

89 3.1 64.6 96.8#

182 0.0 2.0 3.0#

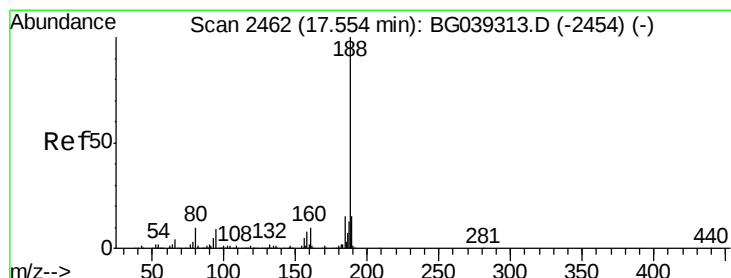
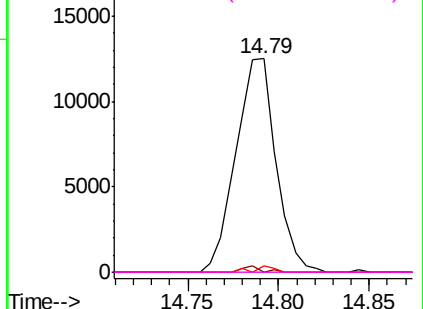
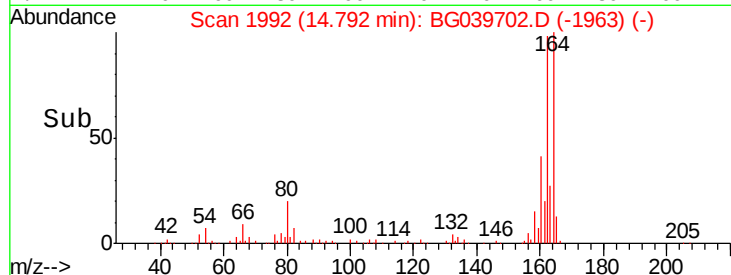


Abundance Ion 165.00 (164.70 to 165.70): E

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# 2458

Delta R.T. -0.00 min

Lab File: BG039702.D

Acq: 2 Mar 2019 00:54

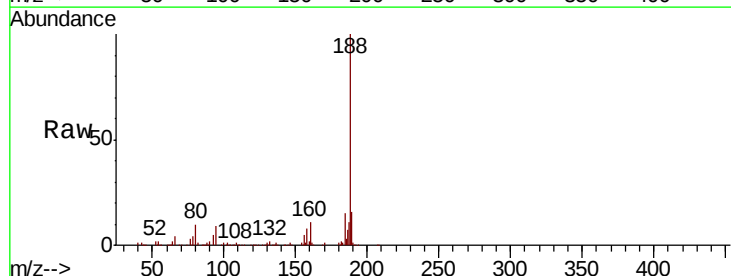
Tgt Ion:188 Resp: 344993

Ion Ratio Lower Upper

188 100

94 8.6 6.9 10.3

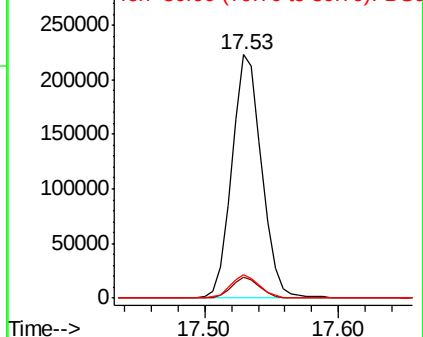
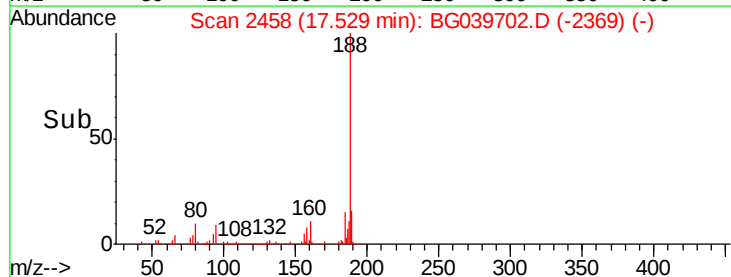
80 9.5 8.1 12.1

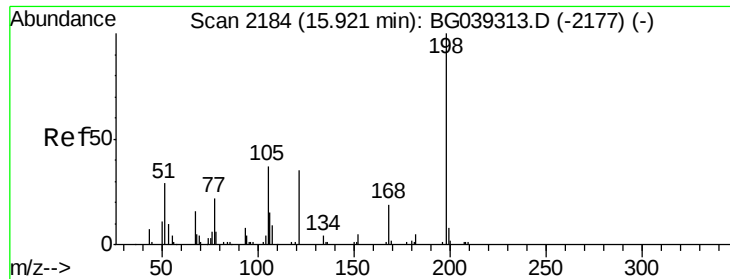


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

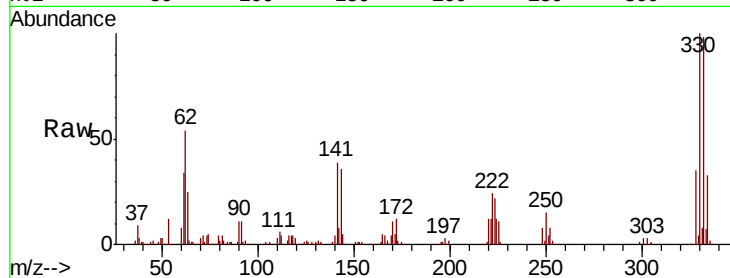




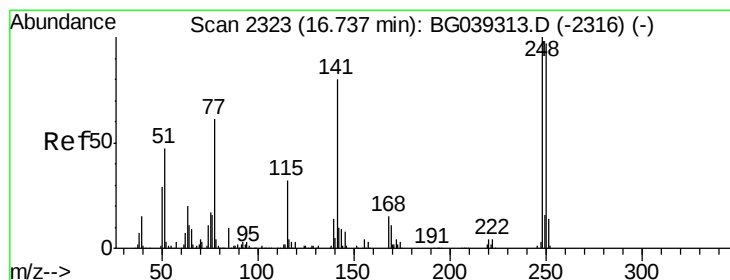
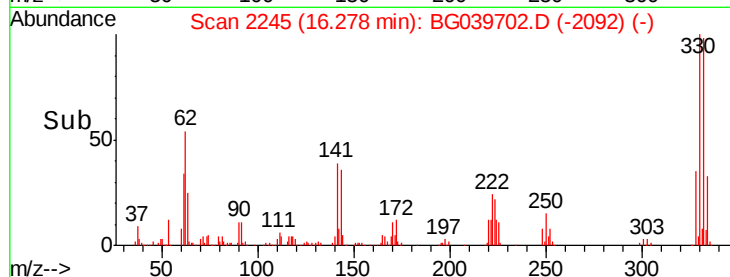
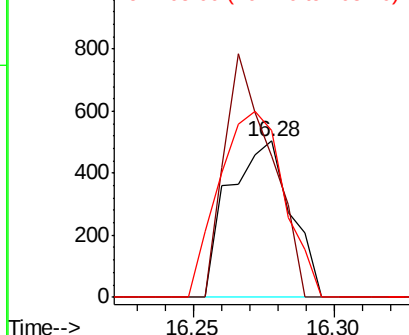
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.886 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. 0.37 min
 Lab File: BG039702.D
 Acq: 2 Mar 2019 00:54

Instrument :
 BNA_G
 ClientSampleId :
 Z-3-11-A

Tgt Ion:198 Resp: 765
 Ion Ratio Lower Upper
 198 100
 51 90.5 27.4 67.4#
 105 106.6 19.7 59.7#

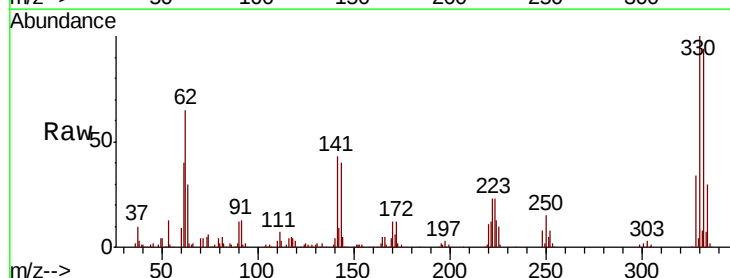


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG039313.D (-2177) (-)
 Ion 105.00 (104.70 to 105.70): E

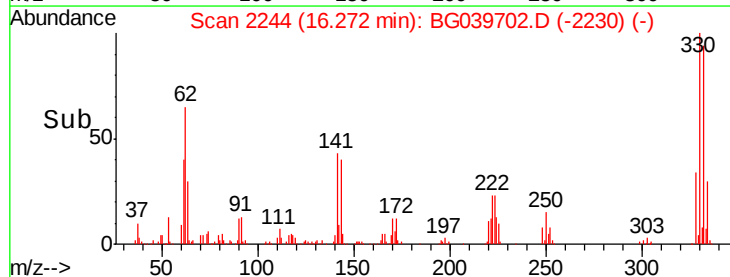
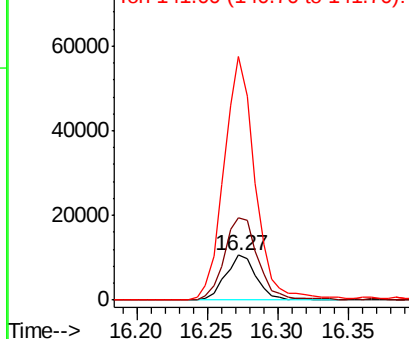


#67
 4-Bromophenyl-phenylether
 Concen: 4.302 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. -0.45 min
 Lab File: BG039702.D
 Acq: 2 Mar 2019 00:54

Tgt Ion:248 Resp: 16466
 Ion Ratio Lower Upper
 248 100
 250 183.4 77.6 116.4#
 141 542.5 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

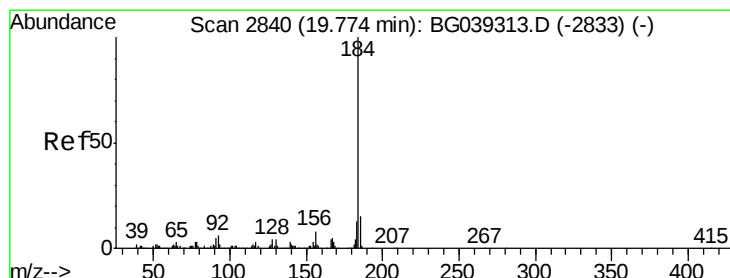
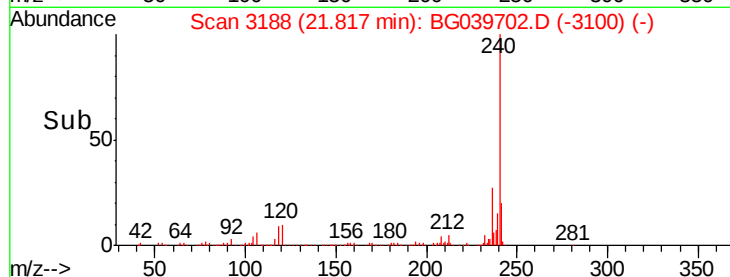
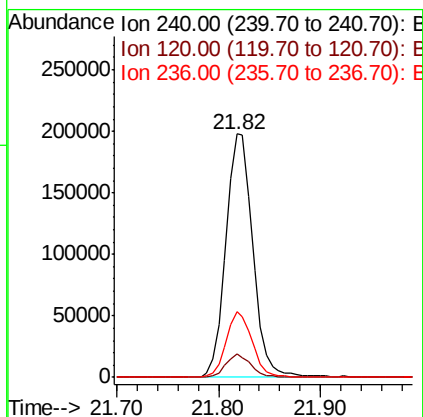
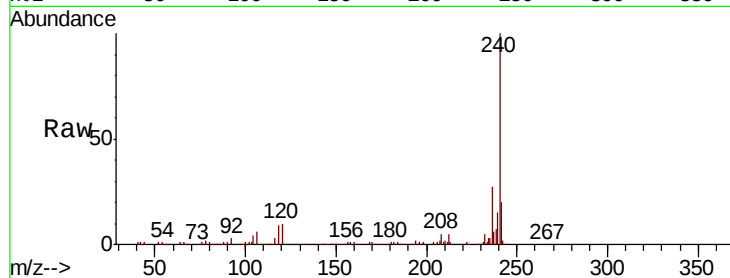




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3188
Delta R.T. -0.01 min
Lab File: BG039702.D
Acq: 2 Mar 2019 00:54

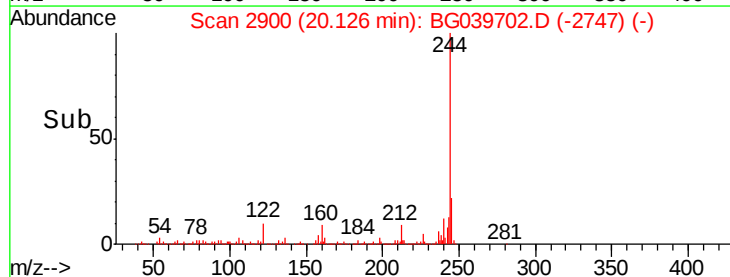
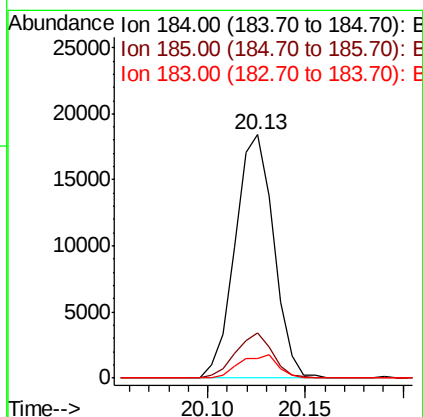
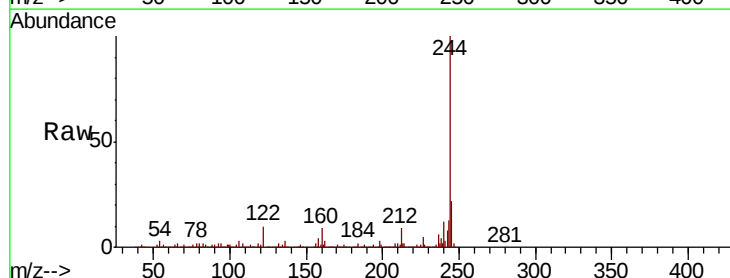
Instrument :
BNA_G
ClientSampled :
Z-3-11-A

Tgt Ion:240 Resp: 365791
Ion Ratio Lower Upper
240 100
120 9.5 7.0 10.6
236 27.0 21.0 31.4



#77
Benzidine
Concen: 2.101 ng
RT: 20.13 min Scan# 2900
Delta R.T. 0.37 min
Lab File: BG039702.D
Acq: 2 Mar 2019 00:54

Tgt Ion:184 Resp: 25195
Ion Ratio Lower Upper
184 100
185 18.8 12.2 18.2#
183 8.2 10.6 15.8#





#79

Terphenyl-d14

Concen: 84.978 ng

RT: 20.13 min Scan# 2900

Delta R.T. 0.00 min

Lab File: BG039702.D

Acq: 2 Mar 2019 00:54

Instrument :

BNA_G

ClientSampleId :

Z-3-11-A

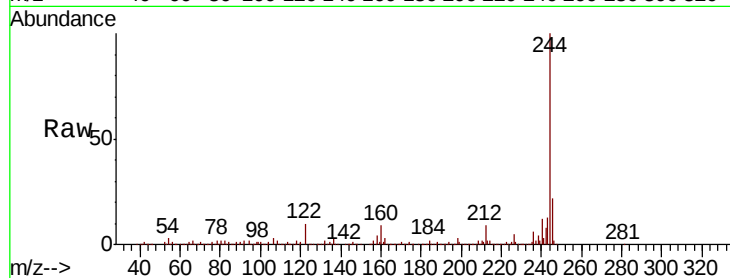
Tgt Ion:244 Resp: 1468535

Ion Ratio Lower Upper

244 100

212 9.3 7.3 10.9

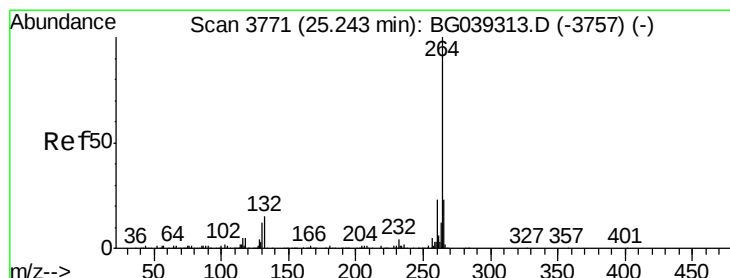
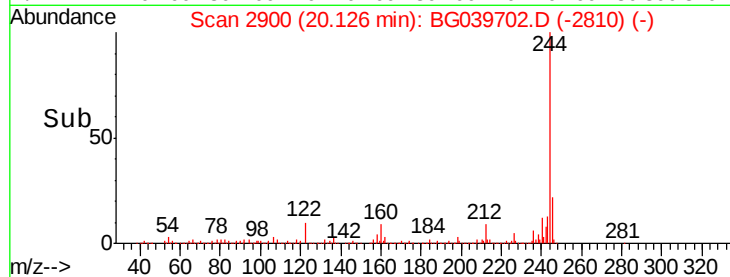
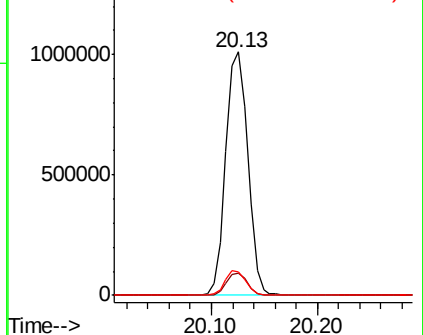
122 9.9 8.4 12.6



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# 3763

Delta R.T. -0.00 min

Lab File: BG039702.D

Acq: 2 Mar 2019 00:54

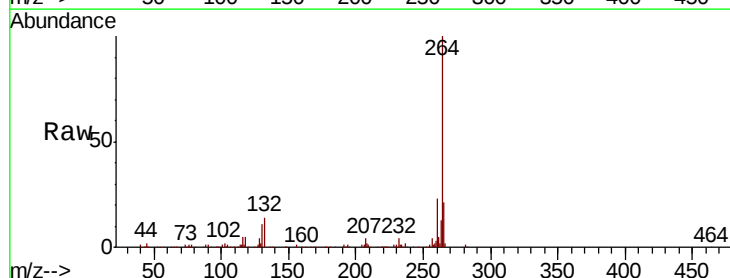
Tgt Ion:264 Resp: 341692

Ion Ratio Lower Upper

264 100

260 23.3 18.2 27.4

265 21.5 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

