

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG030119\
 Data File : BG039701.D
 Acq On : 2 Mar 2019 00:15
 Operator : JU/SJ
 Sample : K1665-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 200029

Quant Time: Mar 02 03:15:18 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	8.16	152	51960	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	217565	20.00	ng	0.00
39) Acenaphthene-d10	14.78	164	148209	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	365888	20.00	ng	0.00
76) Chrysene-d12	21.82	240	389006	20.00	ng	0.00
87) Perylene-d12	25.20	264	368373	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	383731	126.40	ng	0.00
7) Phenol-d6	7.31	99	513453	114.90	ng	0.00
23) Nitrobenzene-d5	9.34	82	368280	105.75	ng	0.00
42) 2,4,6-Tribromophenol	16.28	330	222272	139.27	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	882228	85.39	ng	0.00
79) Terphenyl-d14	20.12	244	1496083	81.41	ng	0.00

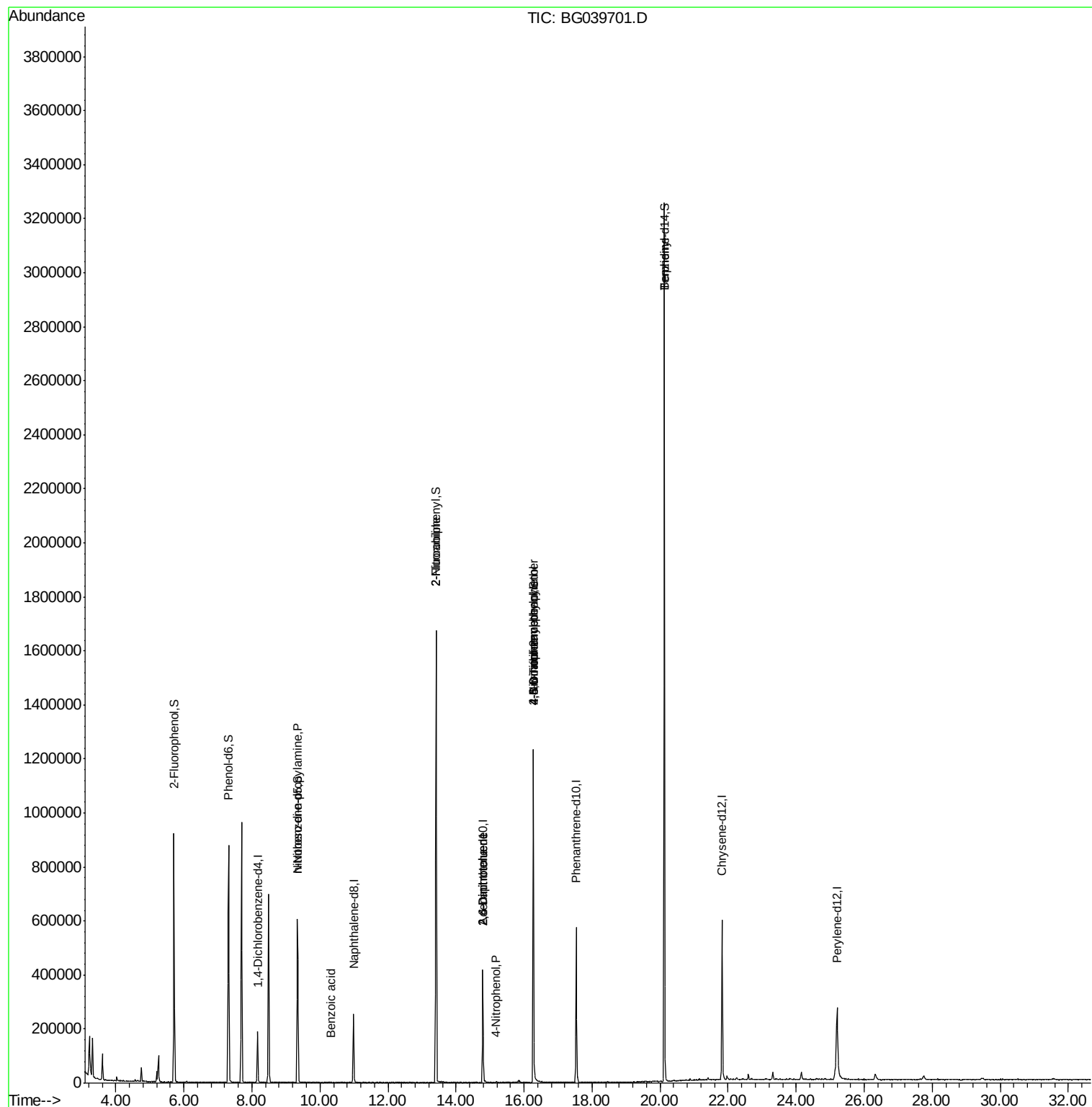
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	747	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.34	70	48423	15.267	ng	# 67
32) Benzoic acid	10.33	122	125	9.071	ng	# 93
48) 2-Nitroaniline	13.41	65	1542	8.775	ng	# 2
51) 2,6-Dinitrotoluene	14.78	165	18006	13.508	ng	# 23
56) 4-Nitrophenol	15.19	139	1030	6.235	ng	# 1
57) 2,4-Dinitrotoluene	14.78	165	18006	13.084	ng	# 18
62) 4-Nitroaniline	16.28	138	58	4.224	ng	# 1
65) 4,6-Dinitro-2-methylphenol	16.28	198	786	4.864	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	17593	4.334	ng	# 1
77) Benzidine	20.12	184	26589	2.085	ng	# 95

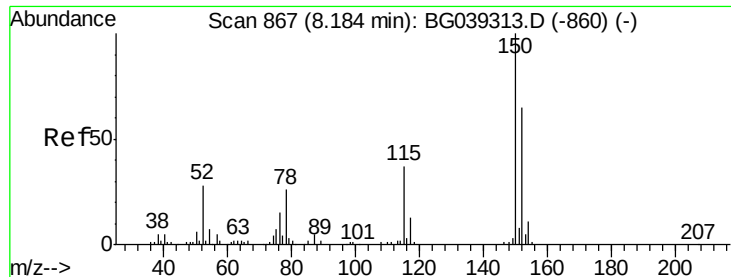
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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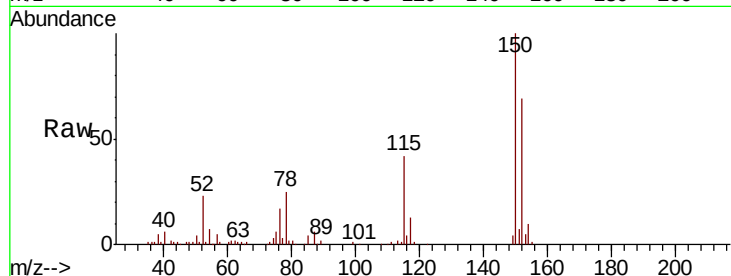


#1

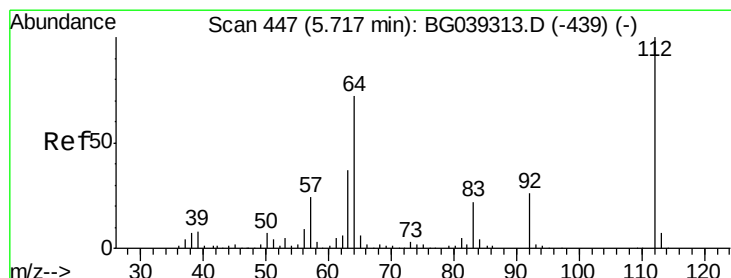
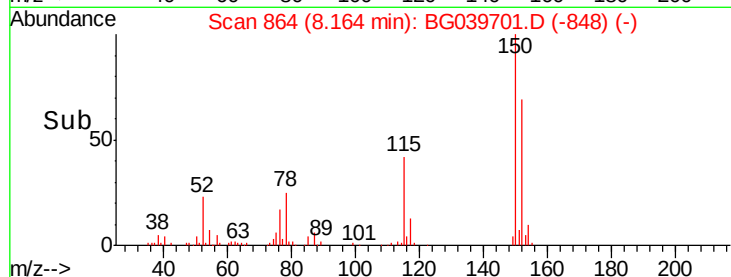
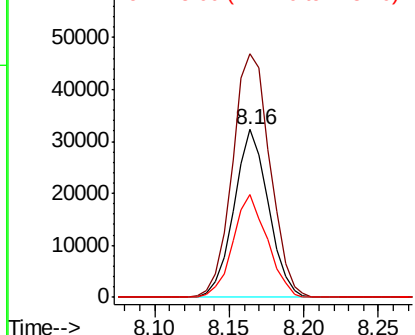
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 864
Delta R.T. -0.01 min
Lab File: BG039701.D
Acq: 2 Mar 2019 00:15

Instrument :
BNA_G
ClientSampleId :
200029

Tgt Ion:152 Resp: 51960
Ion Ratio Lower Upper
152 100
150 145.3 123.7 185.5
115 61.2 45.9 68.9



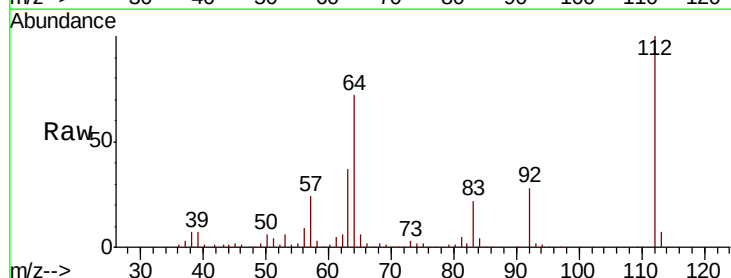
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



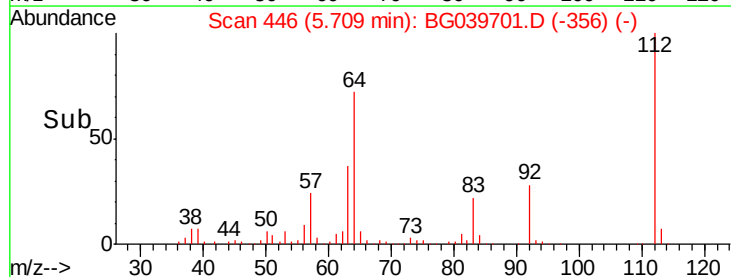
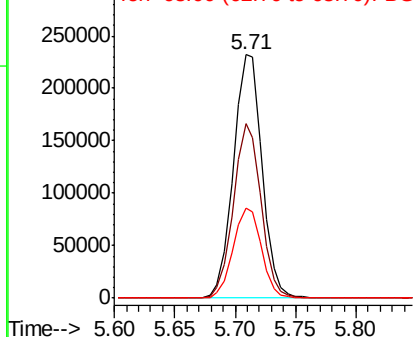
#5

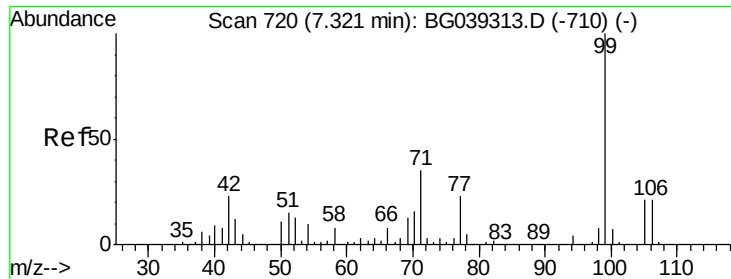
2-Fluorophenol
Concen: 126.397 ng
RT: 5.71 min Scan# 446
Delta R.T. -0.00 min
Lab File: BG039701.D
Acq: 2 Mar 2019 00:15

Tgt Ion:112 Resp: 383731
Ion Ratio Lower Upper
112 100
64 71.9 57.8 86.8
63 37.1 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: 114.898 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.00 min

Lab File: BG039701.D

Acq: 2 Mar 2019 00:15

Instrument :

BNA_G

ClientSampleId :

200029

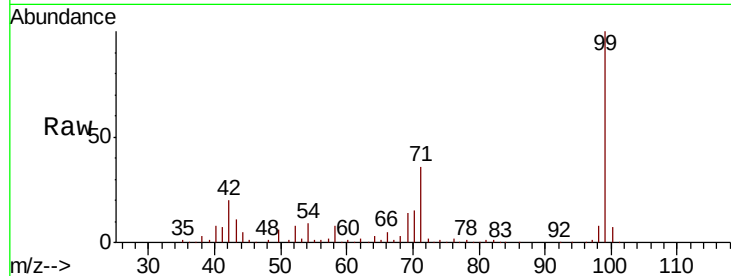
Tgt Ion: 99 Resp: 513453

Ion Ratio Lower Upper

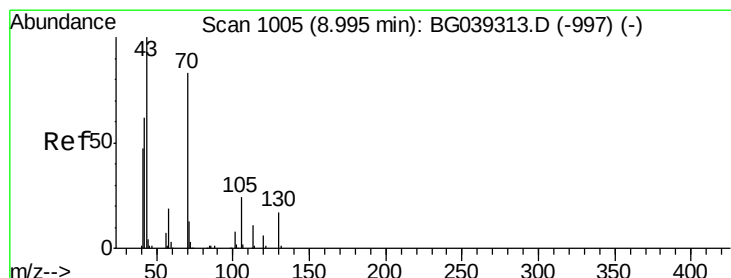
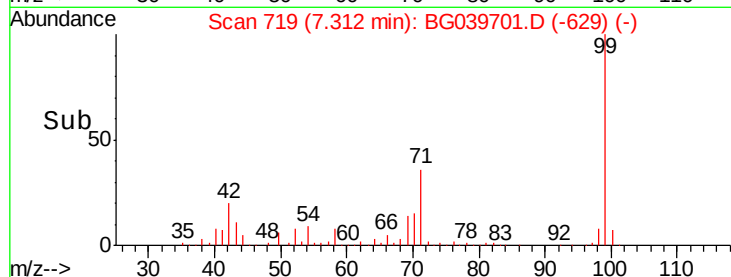
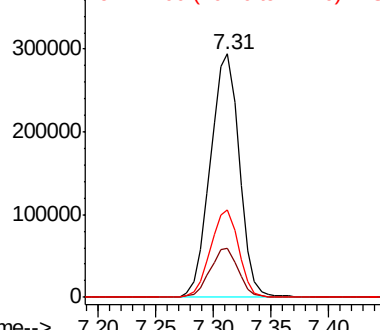
99 100

42 20.3 18.2 27.2

71 36.0 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: 15.267 ng

RT: 9.34 min Scan# 1064

Delta R.T. 0.37 min

Lab File: BG039701.D

Acq: 2 Mar 2019 00:15

Tgt Ion: 70 Resp: 48423

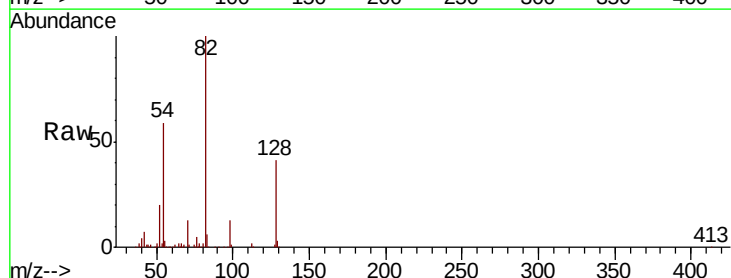
Ion Ratio Lower Upper

70 100

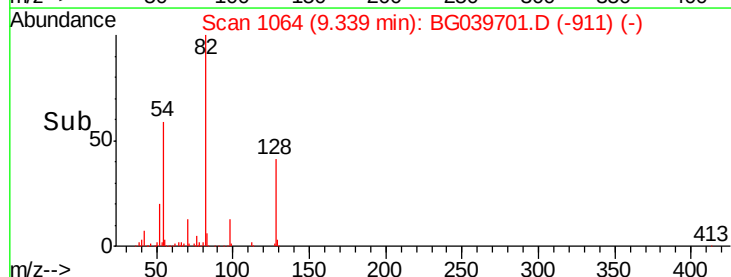
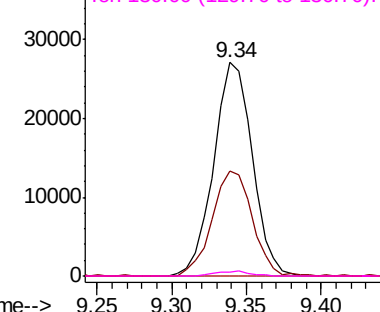
42 49.0 60.4 90.6#

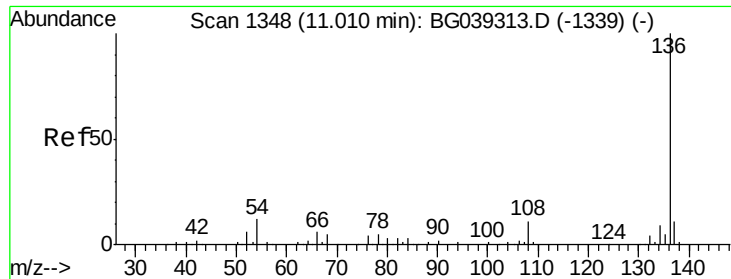
101 0.0 7.5 11.3#

130 1.6 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

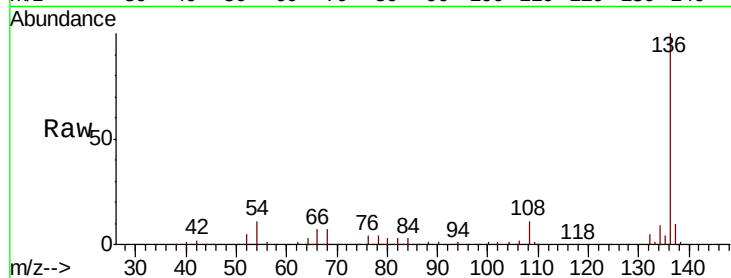




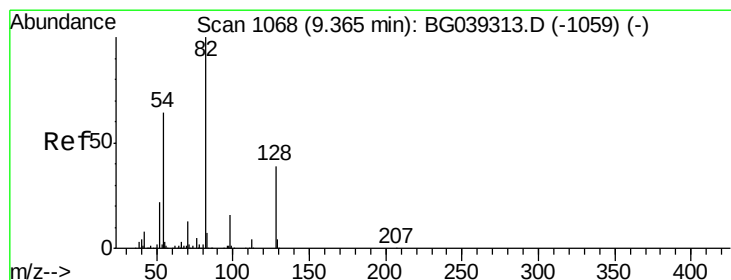
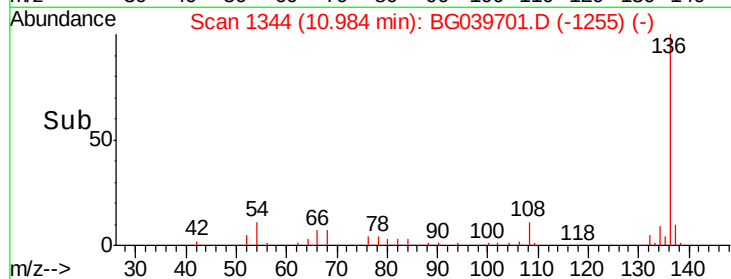
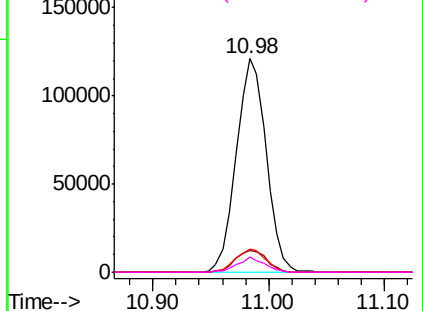
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BG039701.D
Acq: 2 Mar 2019 00:15

Instrument :
BNA_G
ClientSampleId :
200029

Tgt Ion:	136	Resp:	217565
Ion	Ratio	Lower	Upper
136	100		
137	10.1	9.1	13.7
54	10.8	9.4	14.2
68	7.0	4.2	6.4#

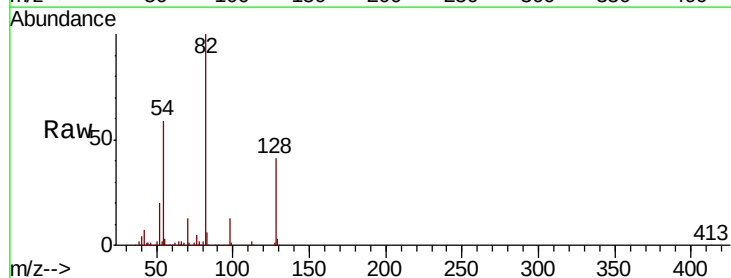


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

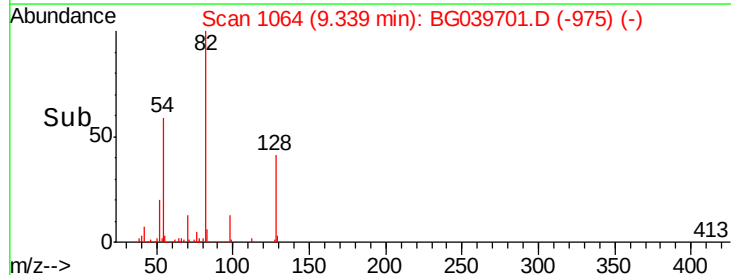
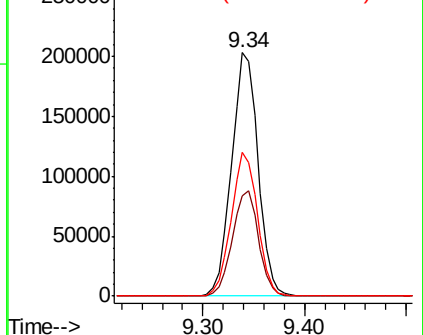


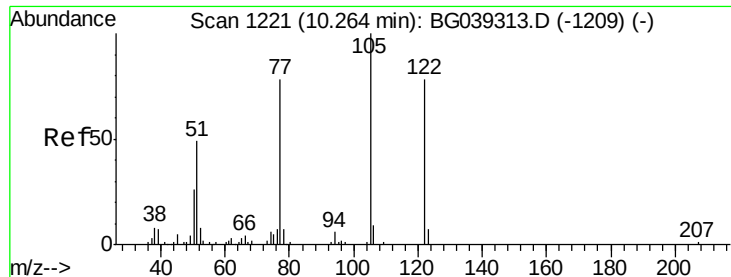
#23
Nitrobenzene-d5
Concen: 105.748 ng
RT: 9.34 min Scan# 1064
Delta R.T. -0.01 min
Lab File: BG039701.D
Acq: 2 Mar 2019 00:15

Tgt Ion:	82	Resp:	368280
Ion	Ratio	Lower	Upper
82	100		
128	41.4	31.3	46.9
54	58.8	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





#32

Benzoic acid

Concen: 9.071 ng

RT: 10.33 min Scan# 1232

Delta R.T. 0.06 min

Lab File: BG039701.D

Acq: 2 Mar 2019 00:15

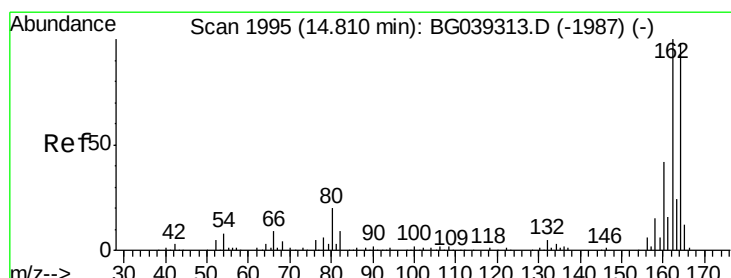
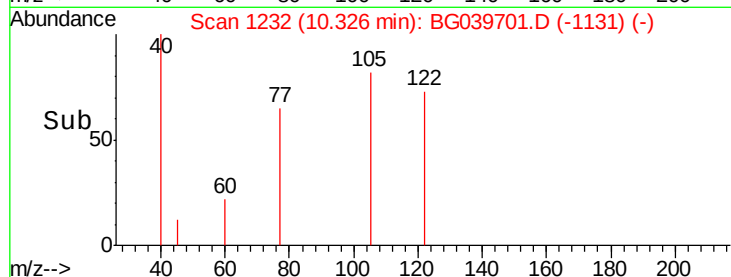
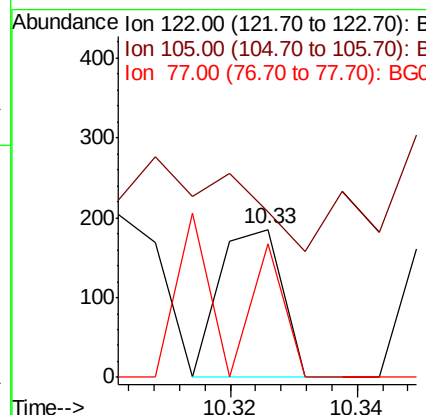
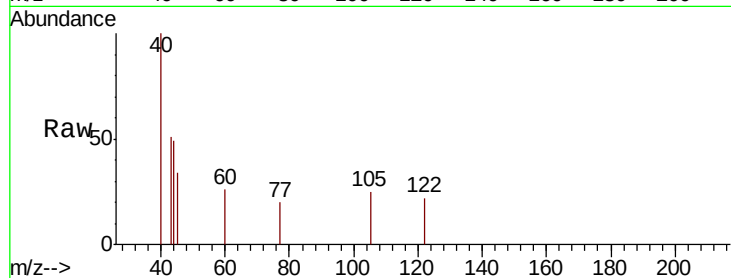
Instrument :

BNA_G

ClientSampleId :

200029

Tgt Ion	Ratio	Lower	Upper
122	100		
105	112.4	101.8	141.8
77	90.3	76.3	116.3



#39

Acenaphthene-d10

Concen: 20.000 ng

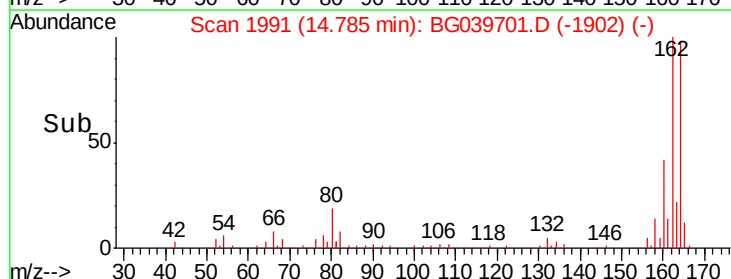
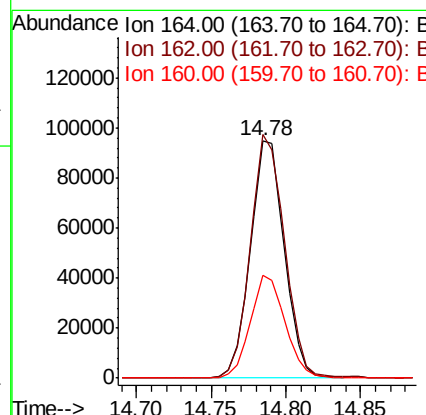
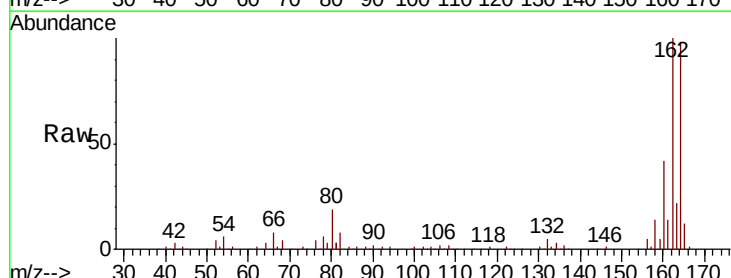
RT: 14.78 min Scan# 1991

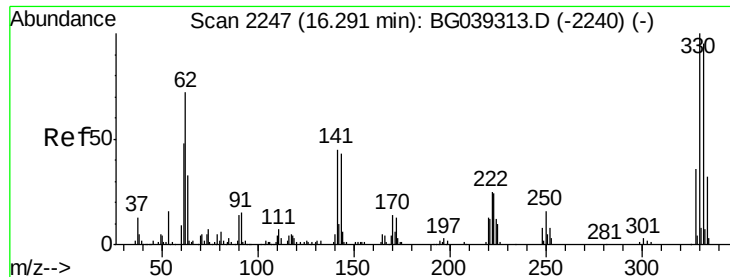
Delta R.T. -0.01 min

Lab File: BG039701.D

Acq: 2 Mar 2019 00:15

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	81.6	122.4
160	43.5	34.2	51.2





#42

2,4,6-Tribromophenol

Concen: 139.272 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.00 min

Lab File: BG039701.D

Acq: 2 Mar 2019 00:15

Instrument :

BNA_G

ClientSampled :

200029

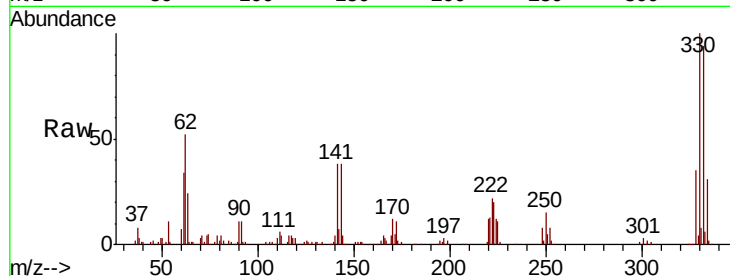
Tgt Ion:330 Resp: 222272

Ion Ratio Lower Upper

330 100

332 97.9 75.7 113.5

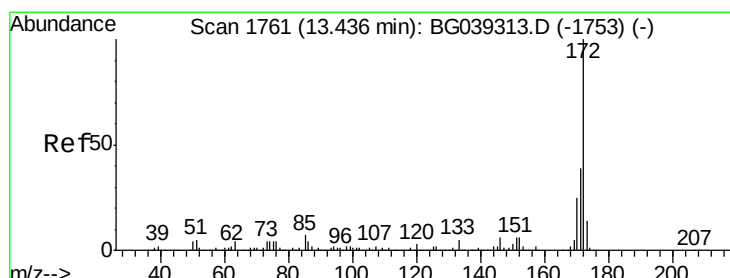
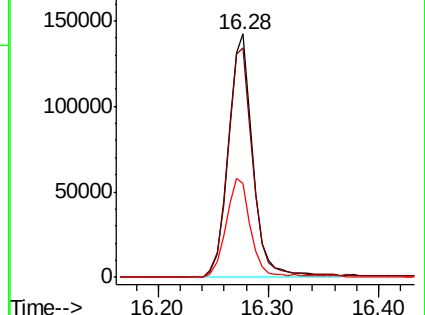
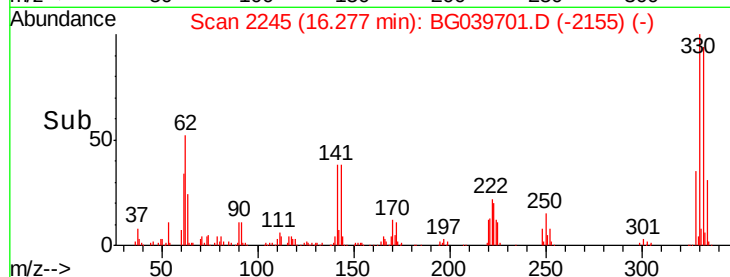
141 41.7 35.6 53.4



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: 85.393 ng

RT: 13.41 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BG039701.D

Acq: 2 Mar 2019 00:15

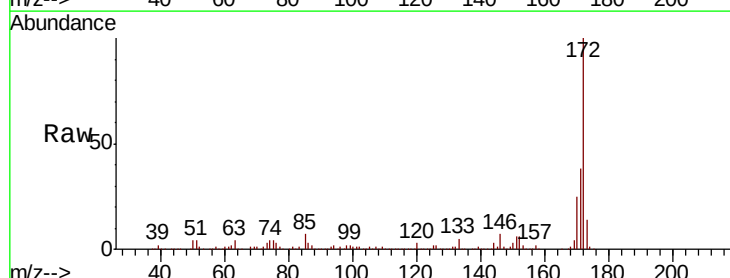
Tgt Ion:172 Resp: 882228

Ion Ratio Lower Upper

172 100

171 38.3 30.8 46.2

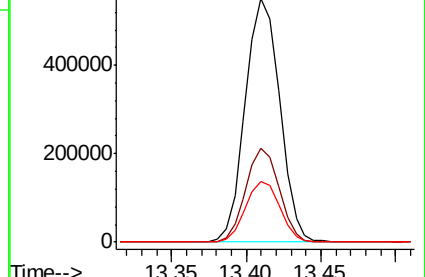
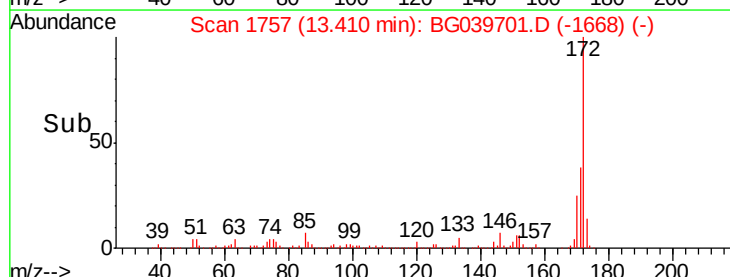
170 25.0 20.2 30.4

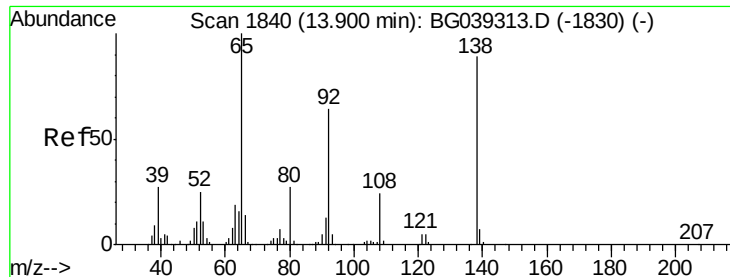


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

2-Nitroaniline

Concen: 8.775 ng

RT: 13.41 min Scan# 1757

Delta R.T. -0.47 min

Lab File: BG039701.D

Acq: 2 Mar 2019 00:15

Instrument :

BNA_G

ClientSampleId :

200029

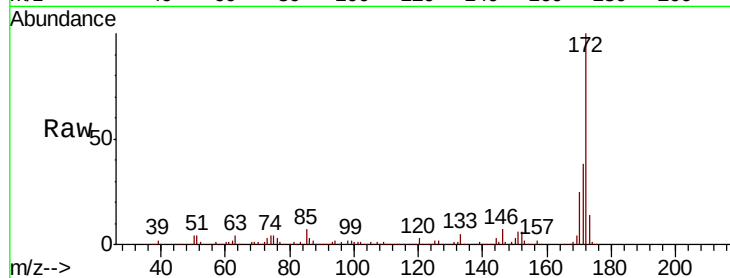
Tgt Ion: 65 Resp: 1542

Ion Ratio Lower Upper

65 100

92 161.3 51.4 77.2#

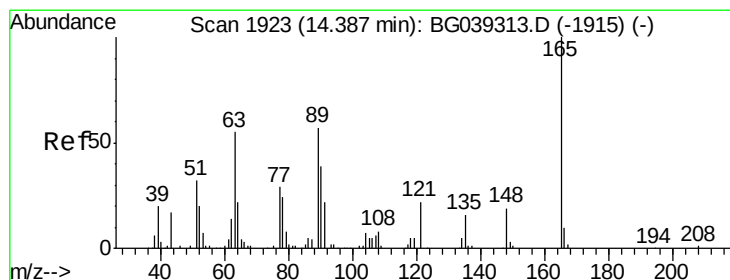
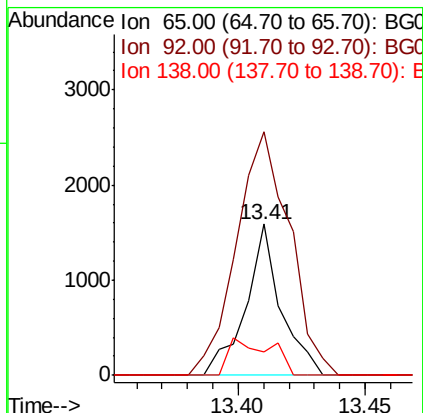
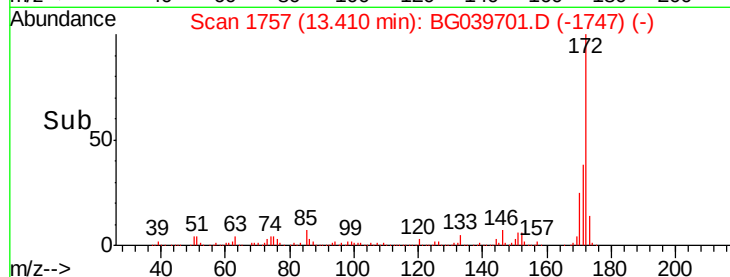
138 15.1 71.4 107.2#



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: 13.508 ng

RT: 14.78 min Scan# 1991

Delta R.T. 0.42 min

Lab File: BG039701.D

Acq: 2 Mar 2019 00:15

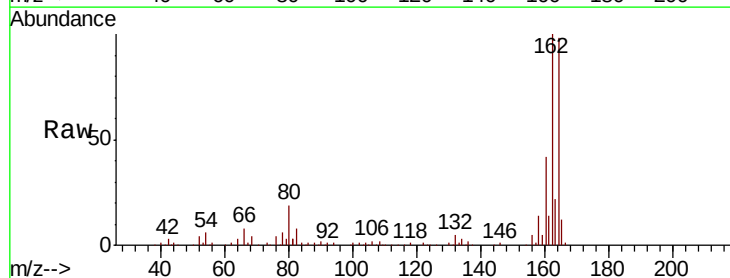
Tgt Ion: 165 Resp: 18006

Ion Ratio Lower Upper

165 100

63 0.0 47.0 70.6#

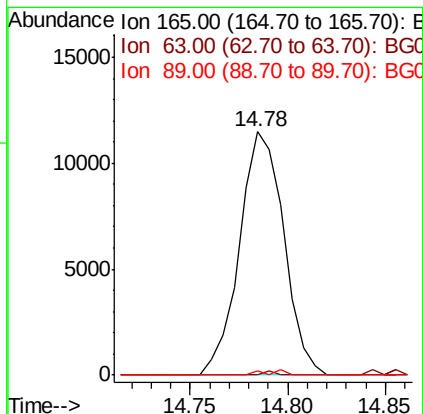
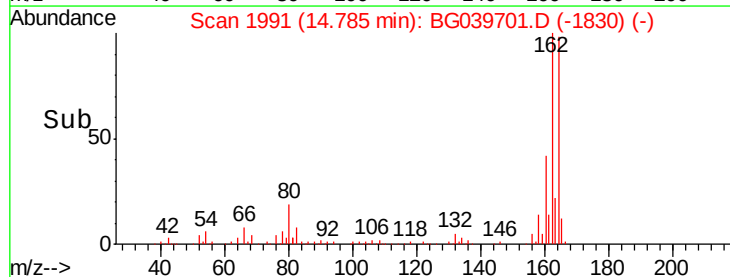
89 1.5 45.8 68.8#

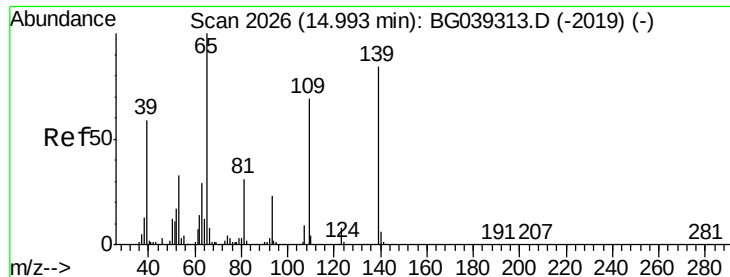


Abundance Ion 165.00 (164.70 to 165.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

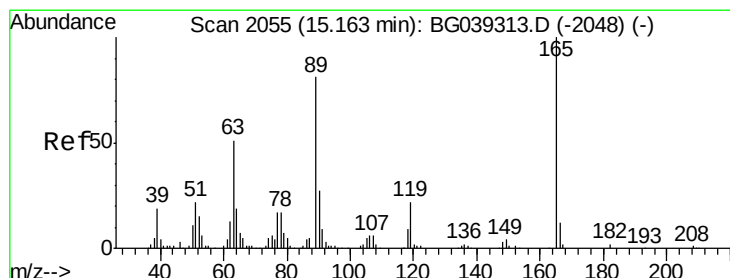
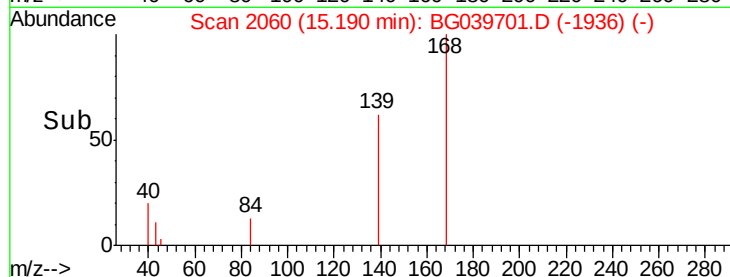
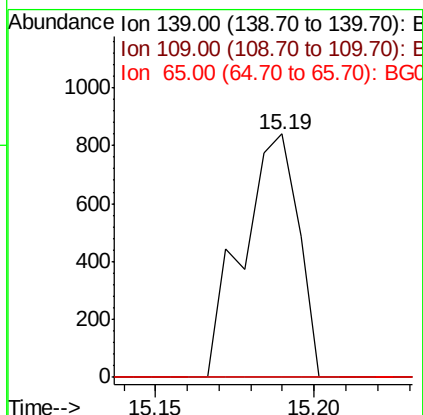
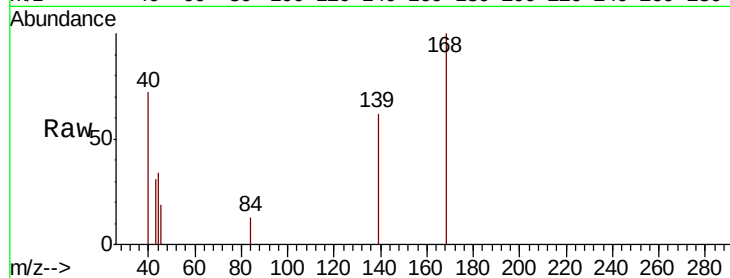




#56
4-Nitrophenol
Concen: 6.235 ng
RT: 15.19 min Scan# 2060
Delta R.T. 0.20 min
Lab File: BG039701.D
Acq: 2 Mar 2019 00:15

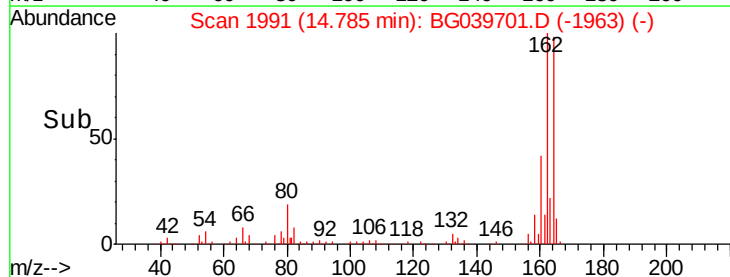
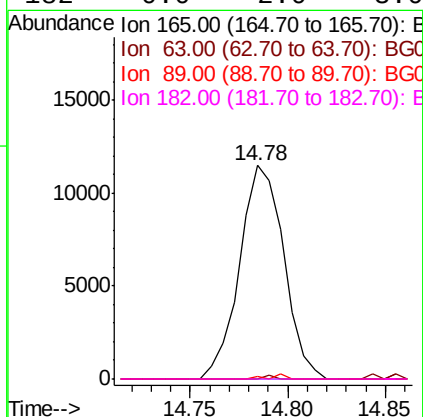
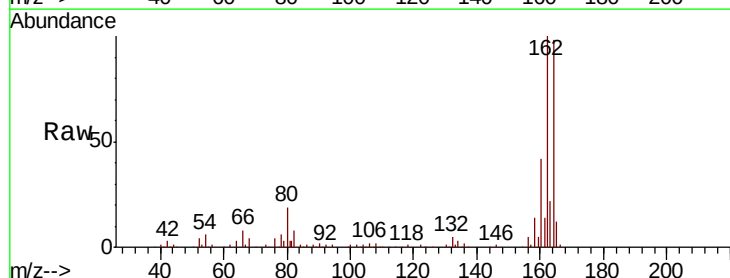
Instrument :
BNA_G
ClientSampleId :
200029

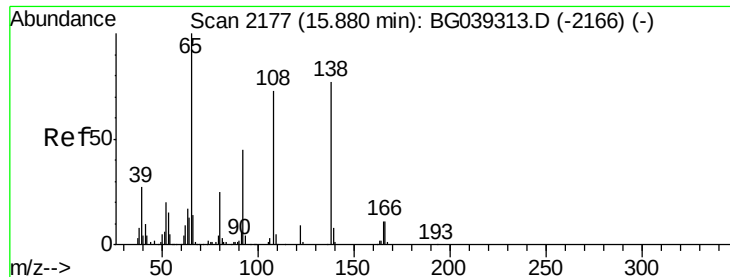
Tgt Ion:139 Resp: 1030
Ion Ratio Lower Upper
139 100
109 0.0 61.9 101.9#
65 0.0 99.1 139.1#



#57
2,4-Dinitrotoluene
Concen: 13.084 ng
RT: 14.78 min Scan# 1991
Delta R.T. -0.36 min
Lab File: BG039701.D
Acq: 2 Mar 2019 00:15

Tgt Ion:165 Resp: 18006
Ion Ratio Lower Upper
165 100
63 0.0 41.0 61.6#
89 1.5 64.6 96.8#
182 0.0 2.0 3.0#





#62

4-Nitroaniline

Concen: 4.224 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.41 min

Lab File: BG039701.D

Acq: 2 Mar 2019 00:15

Instrument :

BNA_G

ClientSampled :

200029

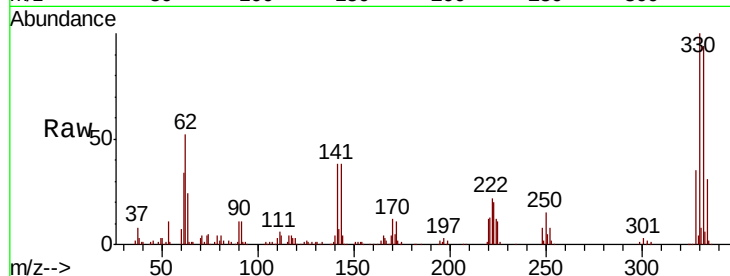
Tgt Ion:138 Resp: 58

Ion Ratio Lower Upper

138 100

92 851.8 38.7 78.7#

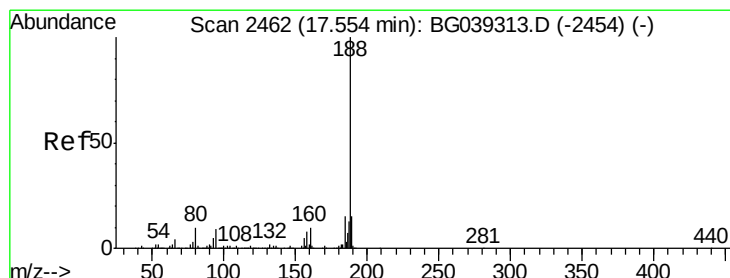
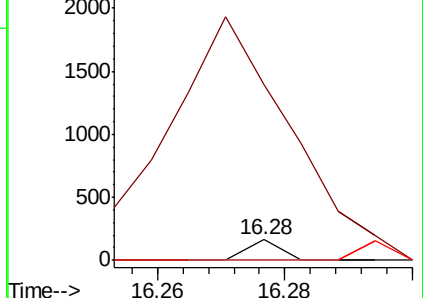
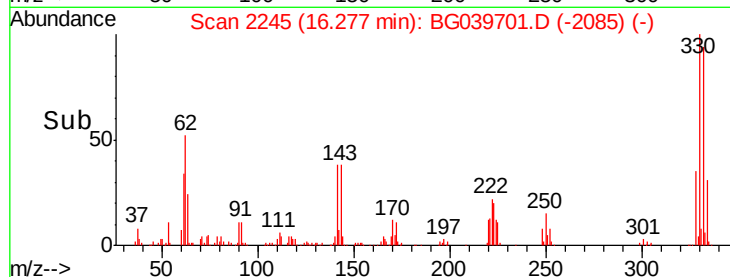
108 0.0 74.6 114.6#



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. -0.00 min

Lab File: BG039701.D

Acq: 2 Mar 2019 00:15

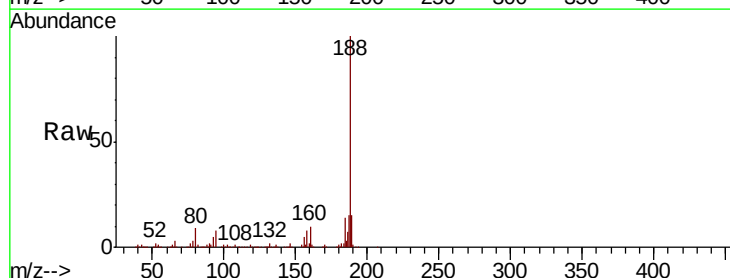
Tgt Ion:188 Resp: 365888

Ion Ratio Lower Upper

188 100

94 7.8 6.9 10.3

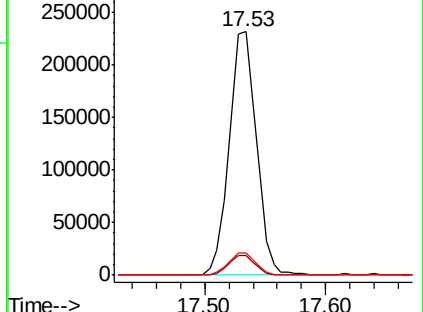
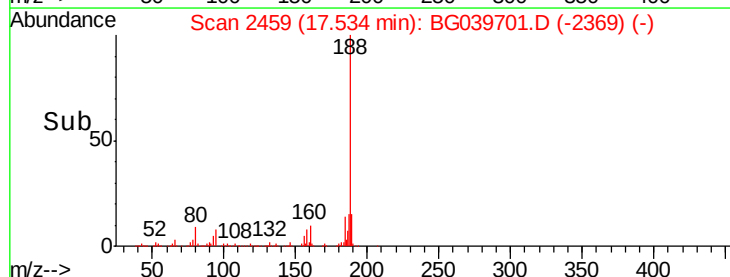
80 9.3 8.1 12.1

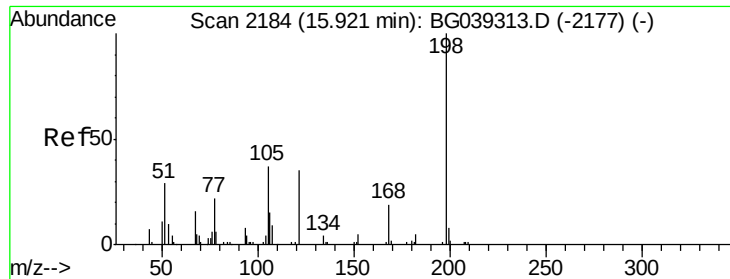


Abundance Ion 188.00 (187.70 to 188.70): E

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: 4.864 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.37 min

Lab File: BG039701.D

Acq: 2 Mar 2019 00:15

Instrument :

BNA_G

ClientSampled :

200029

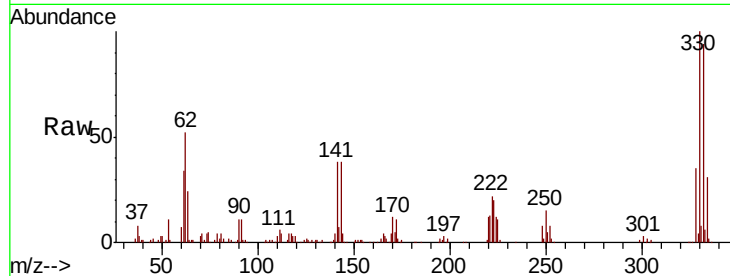
Tgt Ion:198 Resp: 786

Ion Ratio Lower Upper

198 100

51 116.1 27.4 67.4#

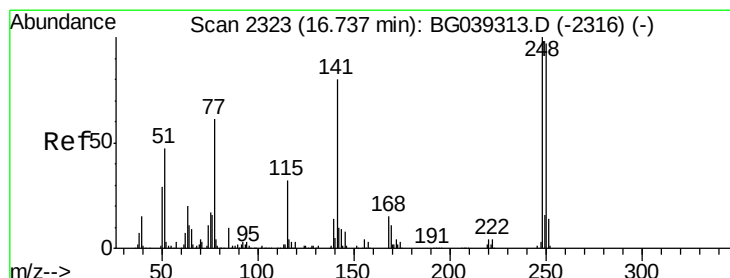
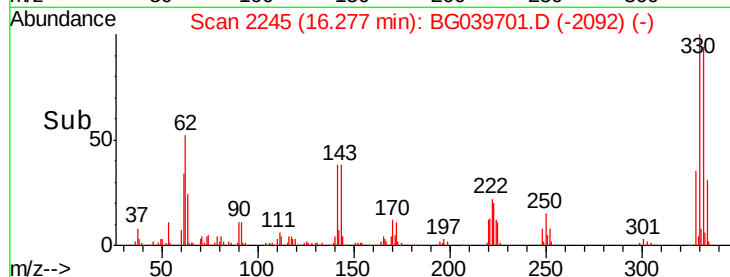
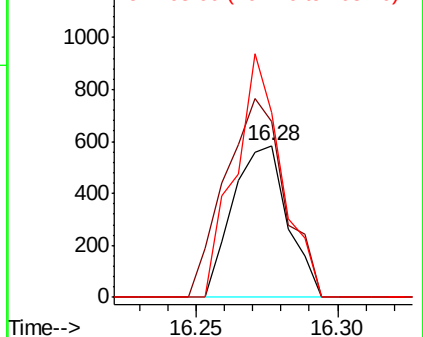
105 121.4 19.7 59.7#



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: 4.334 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.44 min

Lab File: BG039701.D

Acq: 2 Mar 2019 00:15

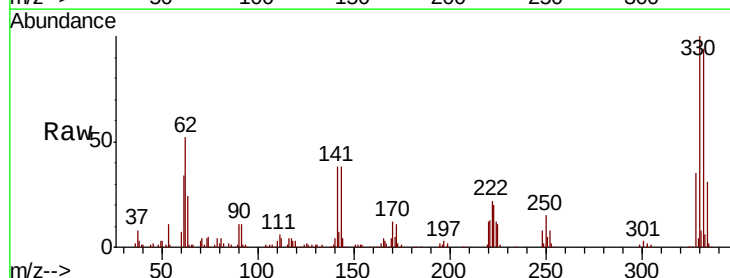
Tgt Ion:248 Resp: 17593

Ion Ratio Lower Upper

248 100

250 184.4 77.6 116.4#

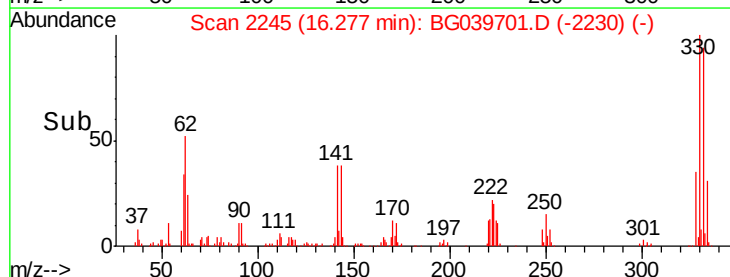
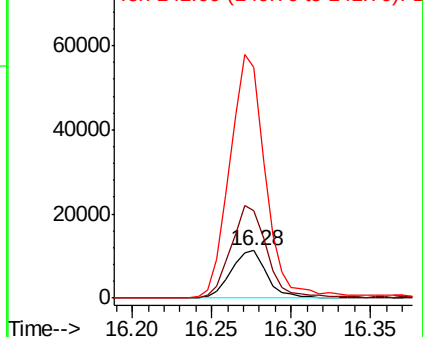
141 485.2 63.9 95.9#

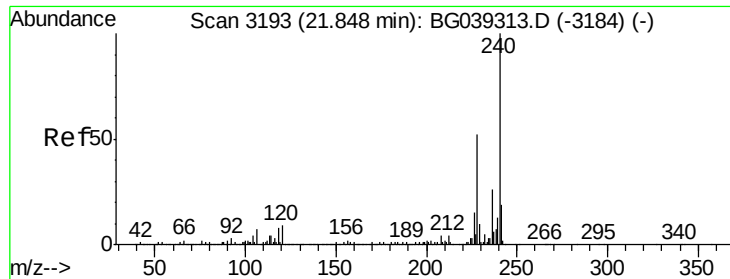


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

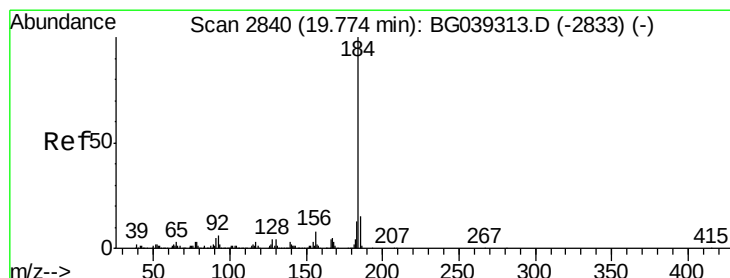
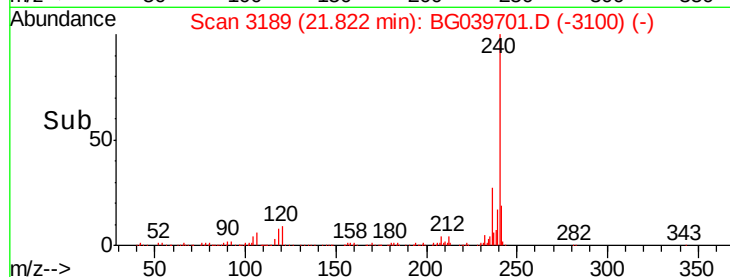
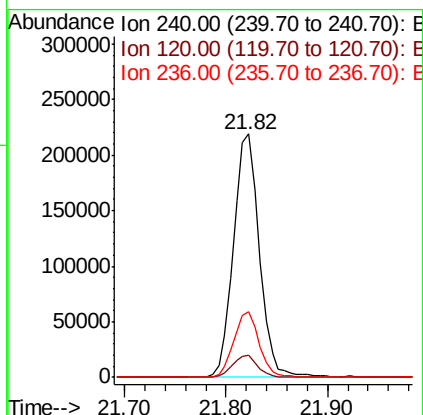
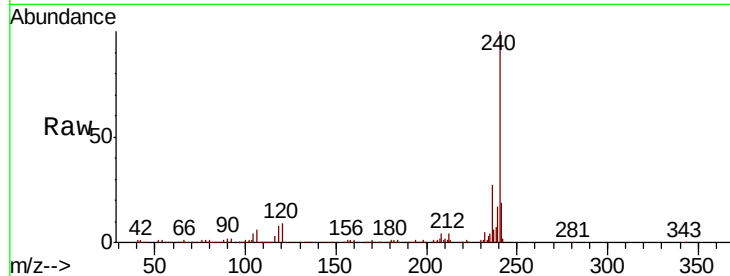




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3189
Delta R.T. -0.01 min
Lab File: BG039701.D
Acq: 2 Mar 2019 00:15

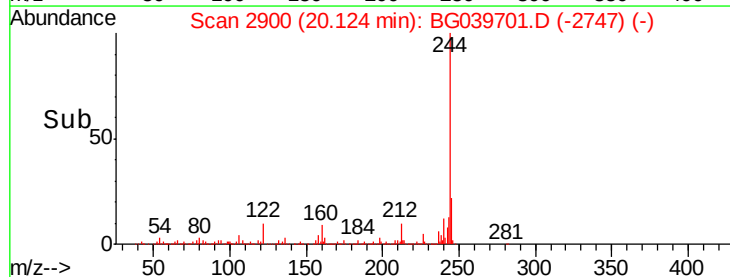
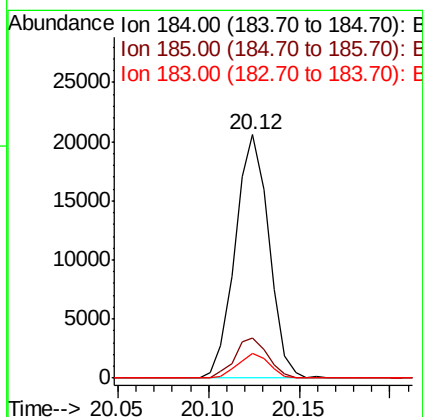
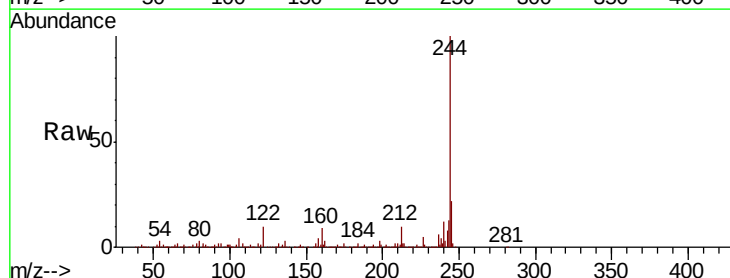
Instrument :
BNA_G
ClientSampleId :
200029

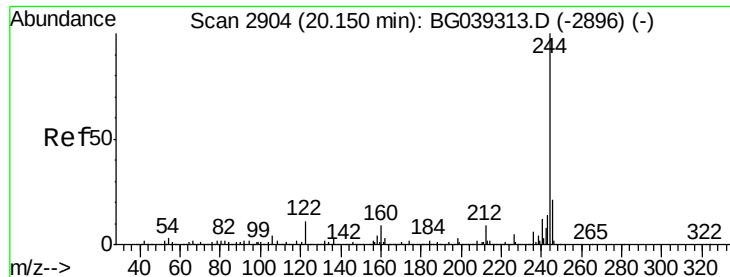
Tgt Ion:240 Resp: 389006
Ion Ratio Lower Upper
240 100
120 9.2 7.0 10.6
236 27.2 21.0 31.4



#77
Benzidine
Concen: 2.085 ng
RT: 20.12 min Scan# 2900
Delta R.T. 0.37 min
Lab File: BG039701.D
Acq: 2 Mar 2019 00:15

Tgt Ion:184 Resp: 26589
Ion Ratio Lower Upper
184 100
185 16.5 12.2 18.2
183 10.2 10.6 15.8#

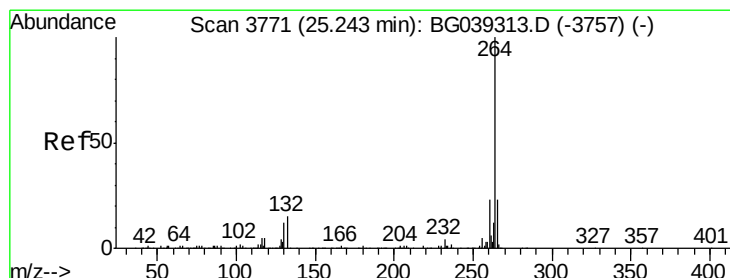
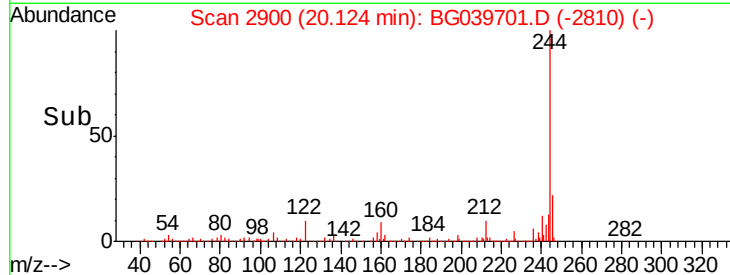
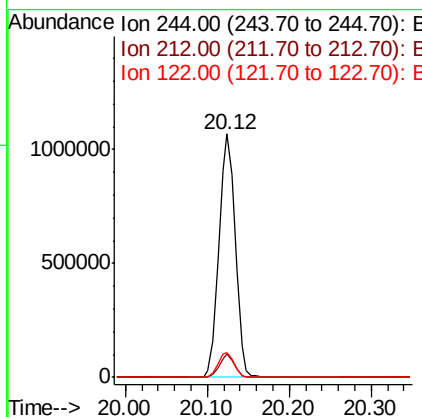
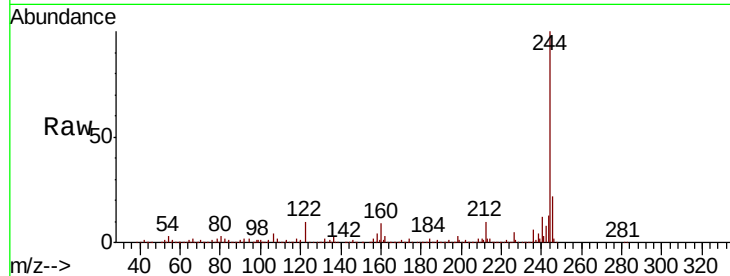




#79
 Terphenyl-d14
 Concen: 81.406 ng
 RT: 20.12 min Scan# 2900
 Delta R.T. -0.00 min
 Lab File: BG039701.D
 Acq: 2 Mar 2019 00:15

Instrument :
 BNA_G
 ClientSampled :
 200029

Tgt Ion:244 Resp: 1496083
 Ion Ratio Lower Upper
 244 100
 212 9.8 7.3 10.9
 122 10.0 8.4 12.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.20 min Scan# 3764
 Delta R.T. -0.00 min
 Lab File: BG039701.D
 Acq: 2 Mar 2019 00:15

Tgt Ion:264 Resp: 368373
 Ion Ratio Lower Upper
 264 100
 260 24.5 18.2 27.4
 265 20.7 18.5 27.7

