

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032219\
 Data File : BG040102.D
 Acq On : 23 Mar 2019 4:54
 Operator : JU/SJ
 Sample : K2033-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 23 05:54:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 04 14:38:15 2019
 Response via : Initial Calibration

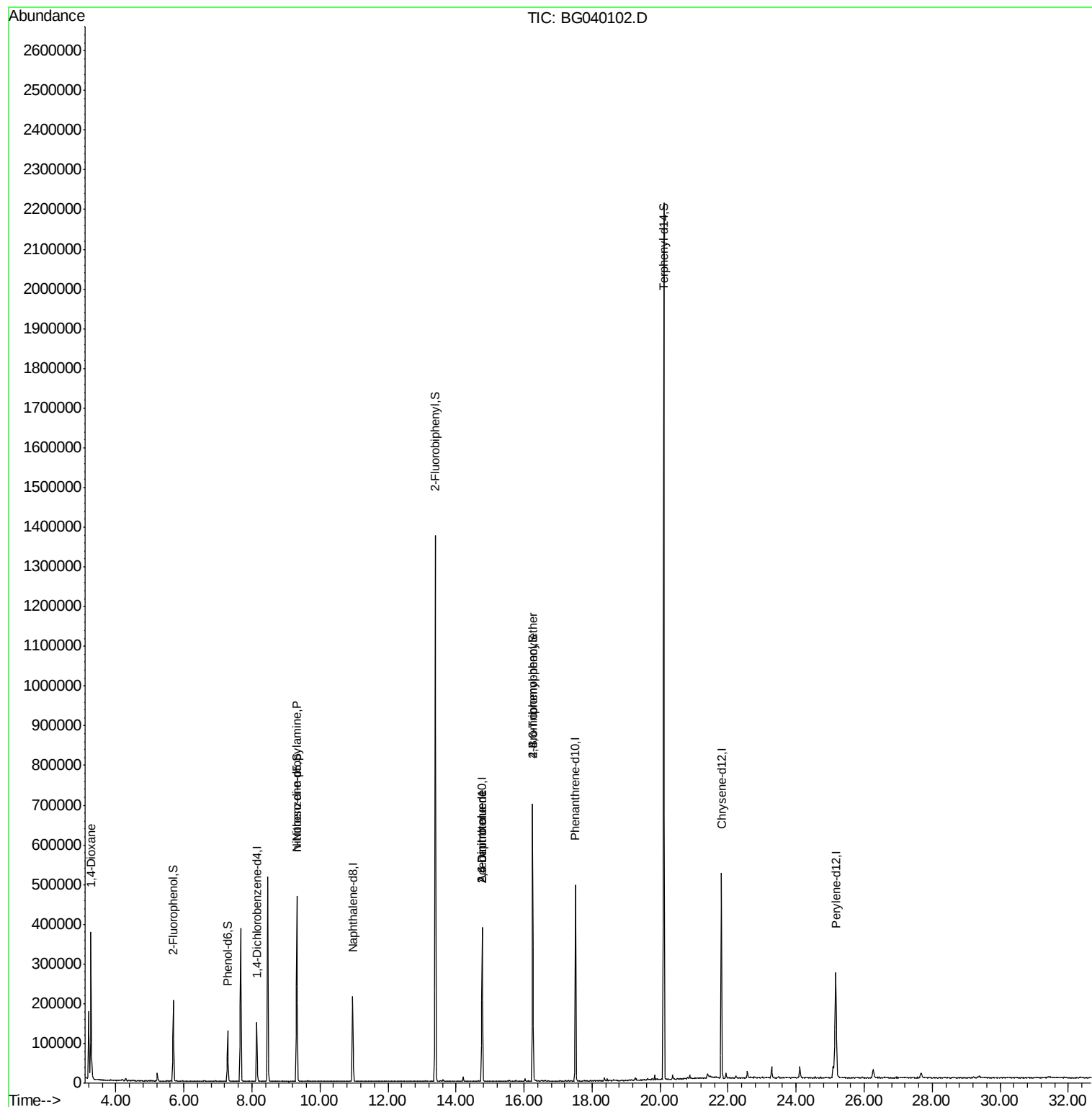
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	41814	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	187975	20.00	ng	-0.03
39) Acenaphthene-d10	14.77	164	134815	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	323515	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	315861	20.00	ng	-0.03
87) Perylene-d12	25.16	264	311618	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	87204	35.58	ng	-0.02
7) Phenol-d6	7.28	99	76840	21.03	ng	-0.03
23) Nitrobenzene-d5	9.32	82	287415	82.69	ng	-0.02
42) 2,4,6-Tribromophenol	16.25	330	122380	77.88	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	739973	78.15	ng	-0.03
79) Terphenyl-d14	20.11	244	1015259	70.77	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.27	88	3507	3.099	ng	# 1
19) n-Nitroso-di-n-propylamine	9.32	70	36479	13.868	ng	# 68
51) 2,6-Dinitrotoluene	14.77	165	17222	7.206	ng	# 22
57) 2,4-Dinitrotoluene	14.77	165	17222	5.129	ng	# 17
67) 4-Bromophenyl-phenylether	16.25	248	9430	2.604	ng	# 1

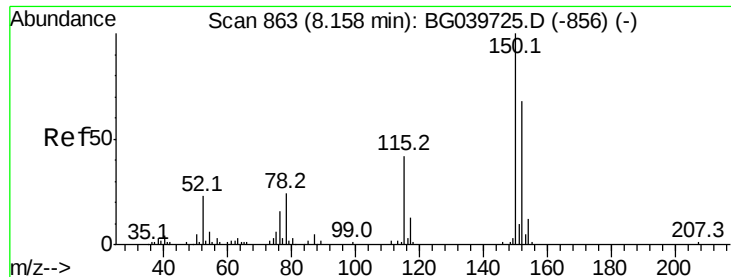
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.14 min Scan# 860

Delta R.T. -0.03 min

Lab File: BG040102.D

Acq: 23 Mar 2019 4:54

Instrument :

BNA_G

ClientSampled :

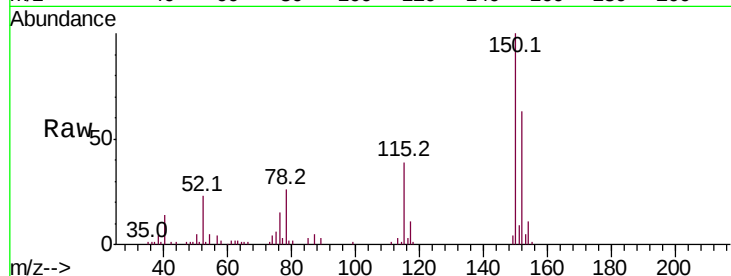
Tot Ion:152 Resp: 41814

Ion Ratio Lower Upper

152 100

150 157.5 123.7 185.5

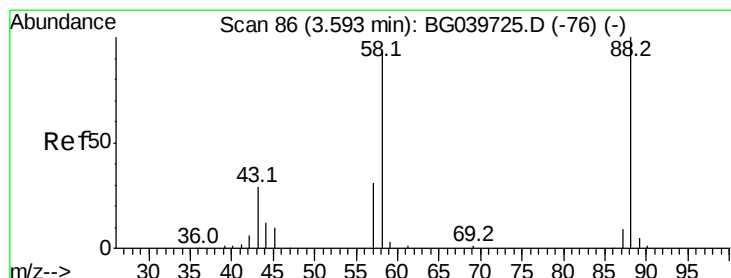
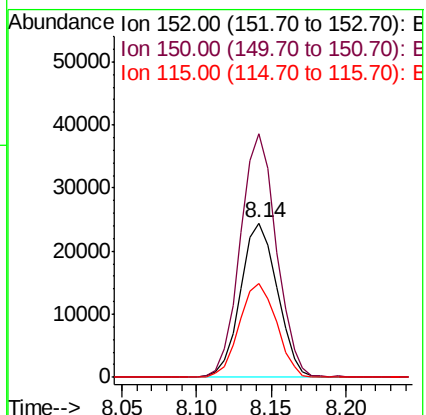
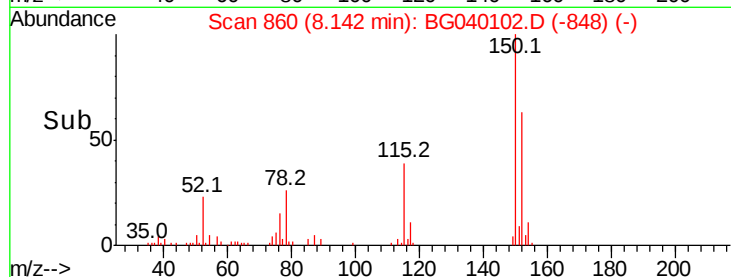
115 60.7 45.9 68.9



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



#2

1,4-Dioxane

Concen: 3.099 ng

RT: 3.27 min Scan# 30

Delta R.T. -0.34 min

Lab File: BG040102.D

Acq: 23 Mar 2019 4:54

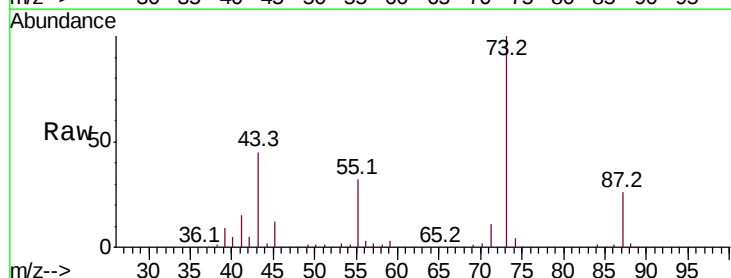
Tgt Ion: 88 Resp: 3507

Ion Ratio Lower Upper

88 100

58 26.7 81.1 121.7#

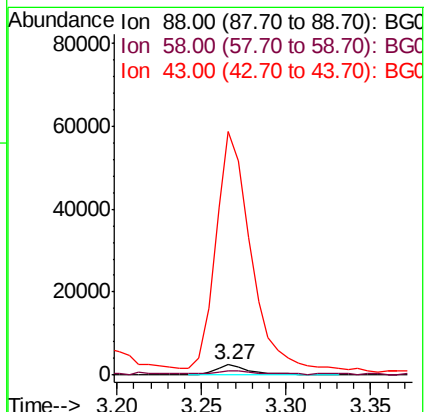
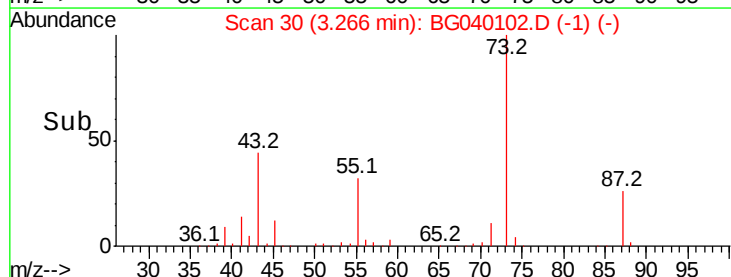
43 2429.2 31.4 47.0#

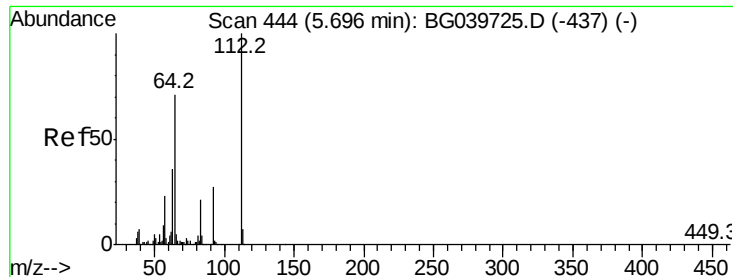


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 35.579 ng

RT: 5.69 min Scan# 442

Delta R.T. -0.02 min

Lab File: BG040102.D

Acq: 23 Mar 2019 4:54

Instrument :

BNA_G

ClientSampleId :

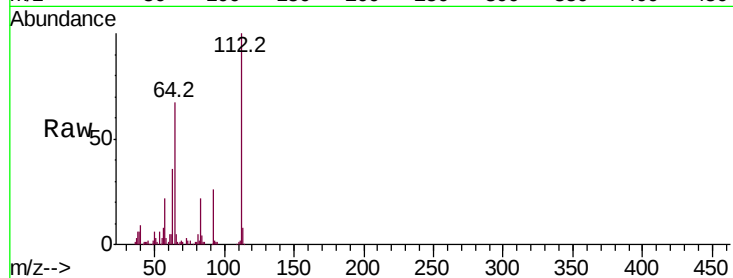
Tot Ion:112 Resp: 87204

Ion Ratio Lower Upper

112 100

64 66.7 57.8 86.8

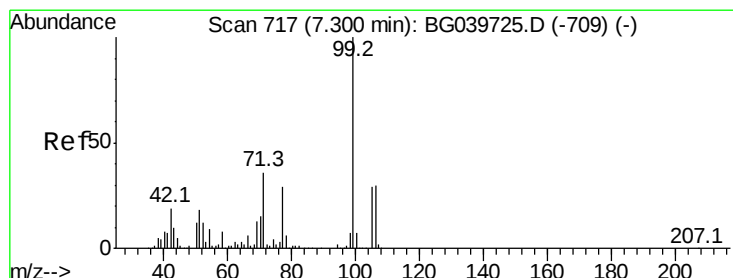
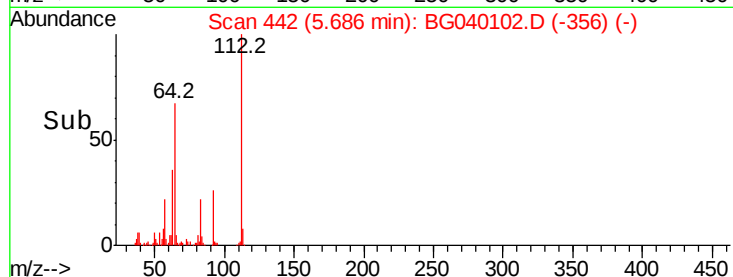
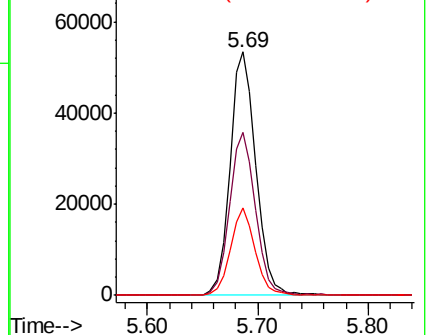
63 35.9 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 21.026 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.03 min

Lab File: BG040102.D

Acq: 23 Mar 2019 4:54

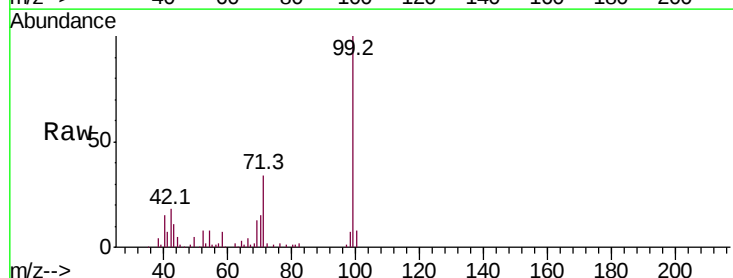
Tgt Ion: 99 Resp: 76840

Ion Ratio Lower Upper

99 100

42 17.7 18.2 27.2#

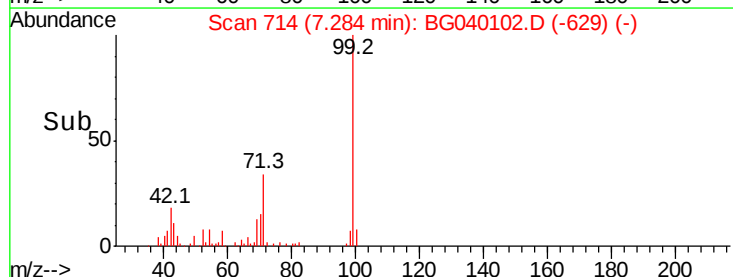
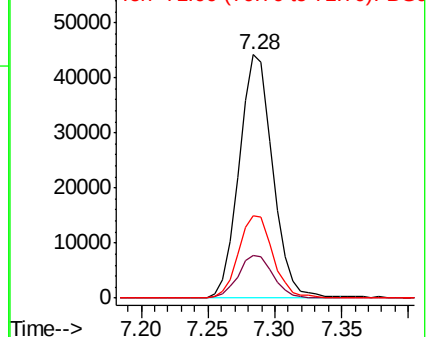
71 33.9 28.0 42.0

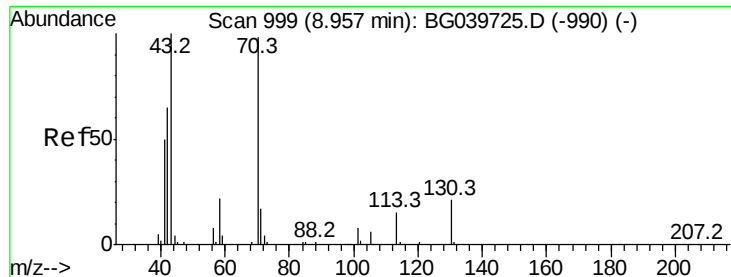


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

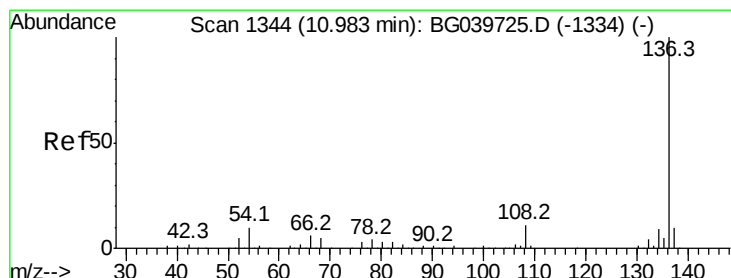
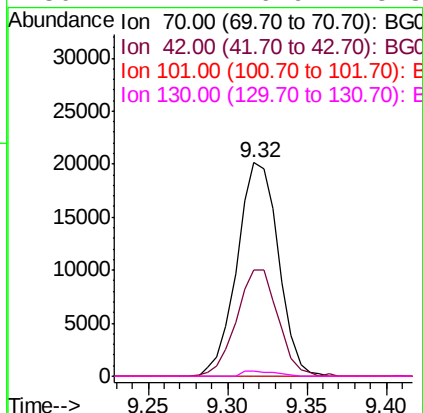
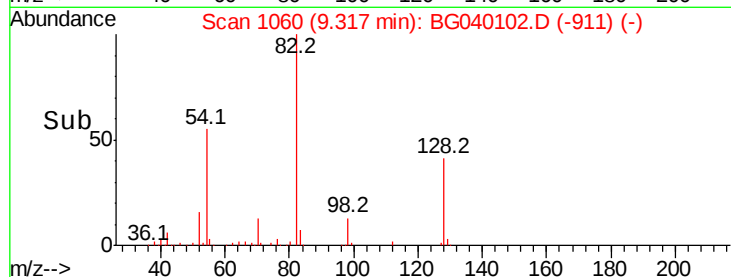
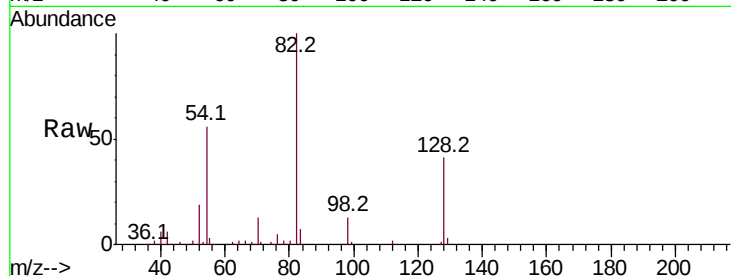




#19
n-Nitroso-di-n-propylamine
Concen: 13.868 ng
RT: 9.32 min Scan# 1060
Delta R.T. 0.35 min
Lab File: BG040102.D
Acq: 23 Mar 2019 4:54

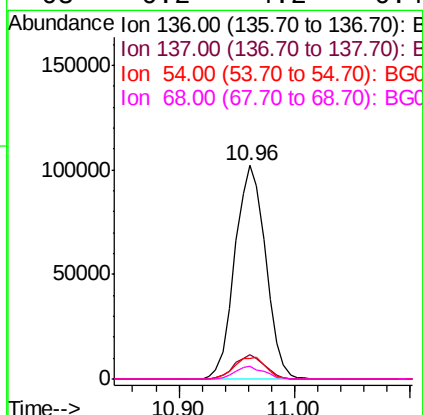
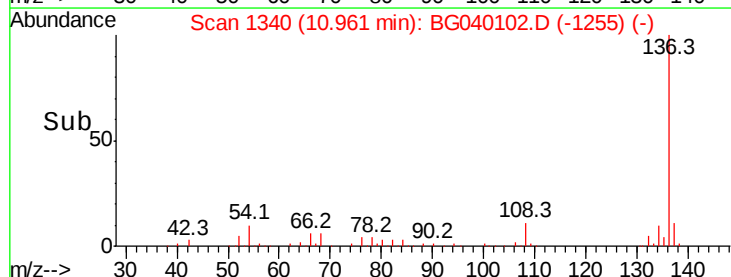
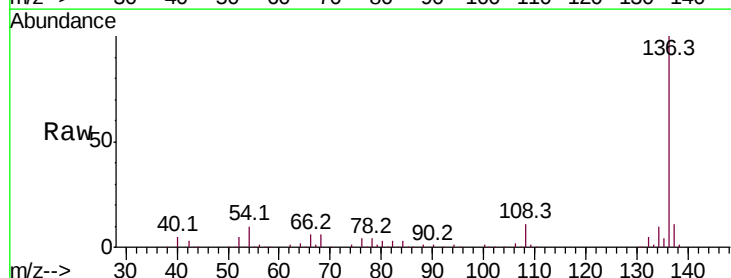
Instrument :
BNA_G
ClientSampleId :

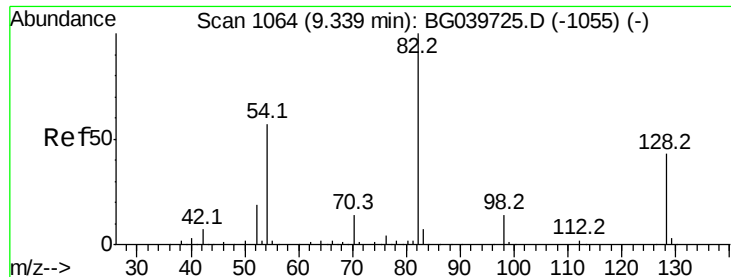
Tot Ion: 70 Resp: 36479
Ion Ratio Lower Upper
70 100
42 50.0 60.4 90.6#
101 0.0 7.5 11.3#
130 2.2 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.03 min
Lab File: BG040102.D
Acq: 23 Mar 2019 4:54

Tgt Ion: 136 Resp: 187975
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 9.6 9.4 14.2
68 6.2 4.2 6.4

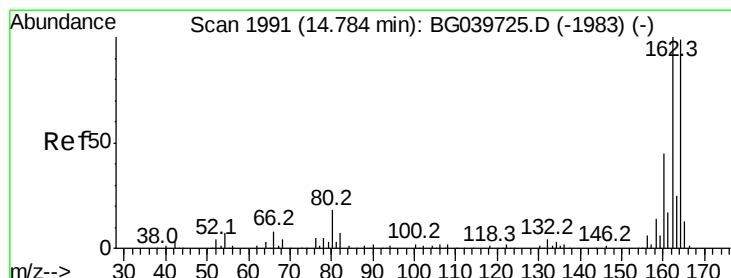
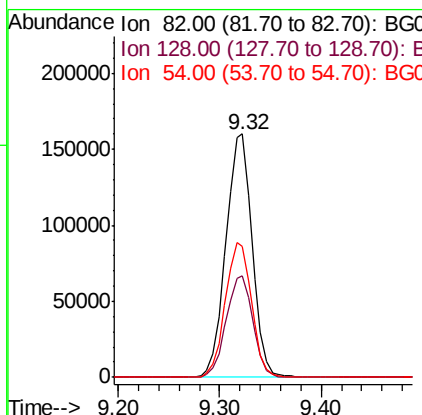
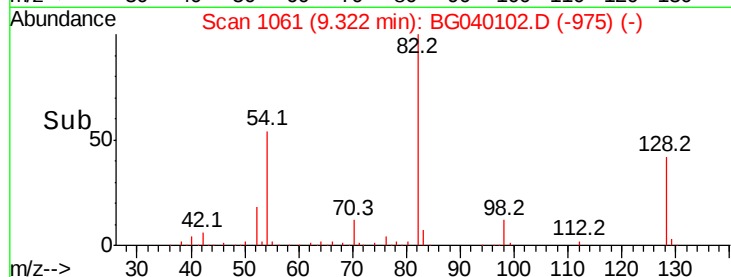
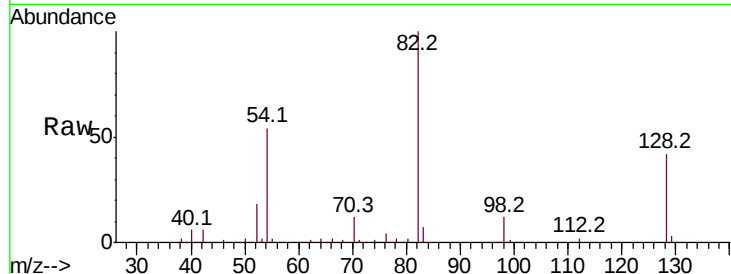




#23
Nitrobenzene-d5
Concen: 82.695 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040102.D
Acq: 23 Mar 2019 4:54

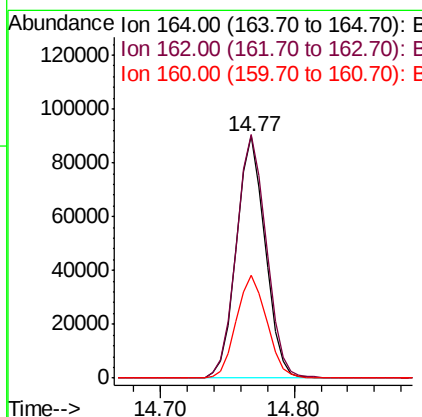
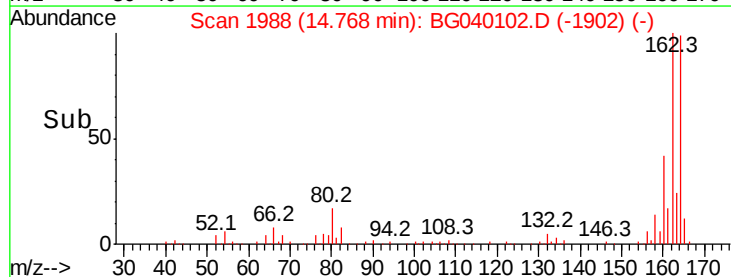
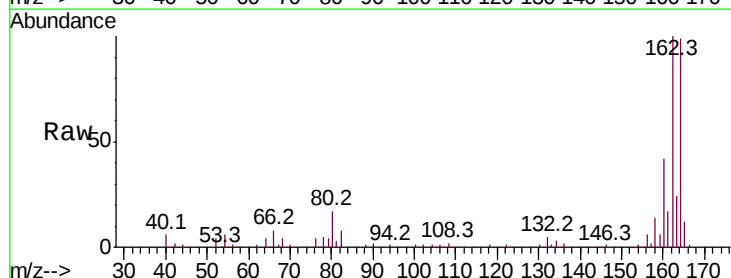
Instrument :
BNA_G
ClientSampled :

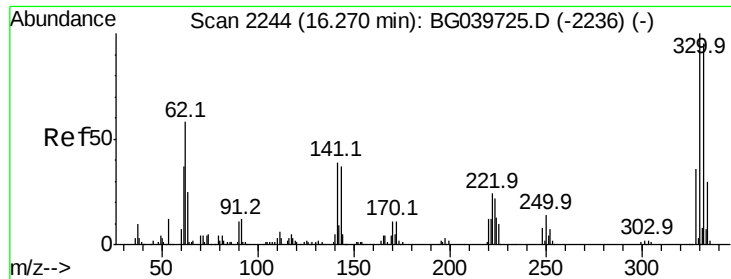
Tot Ion	Ratio	Lower	Upper
82	100		
128	41.9	31.3	46.9
54	53.9	50.9	76.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.77 min Scan# 1988
Delta R.T. -0.02 min
Lab File: BG040102.D
Acq: 23 Mar 2019 4:54

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.6	81.6	122.4
160	42.6	34.2	51.2

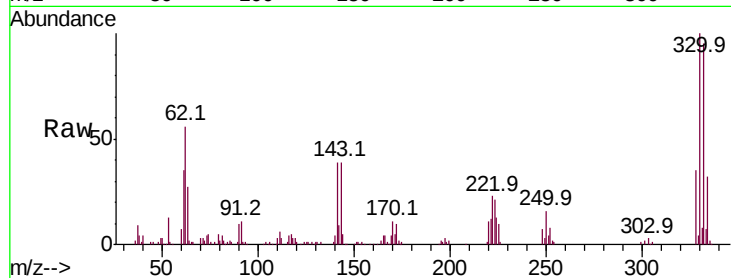




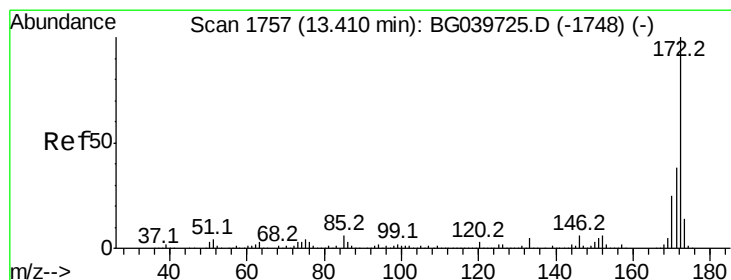
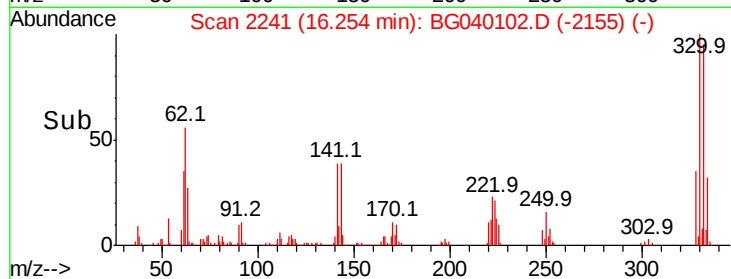
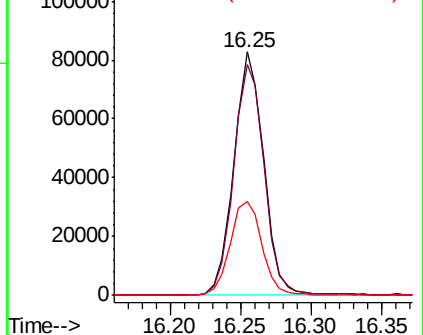
#42
 2,4,6-Tribromophenol
 Concen: 77.881 ng
 RT: 16.25 min Scan# 2241
 Delta R.T. -0.02 min
 Lab File: BG040102.D
 Acq: 23 Mar 2019 4:54

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	75.7	113.5
141	41.3	35.6	53.4

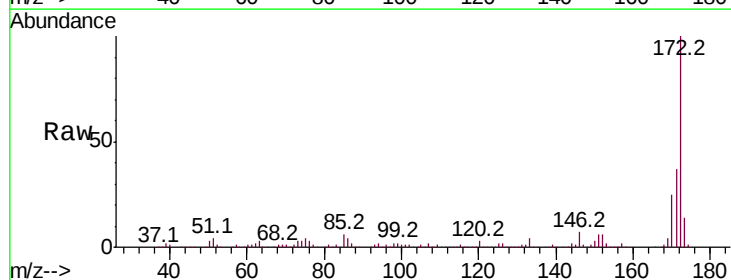


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

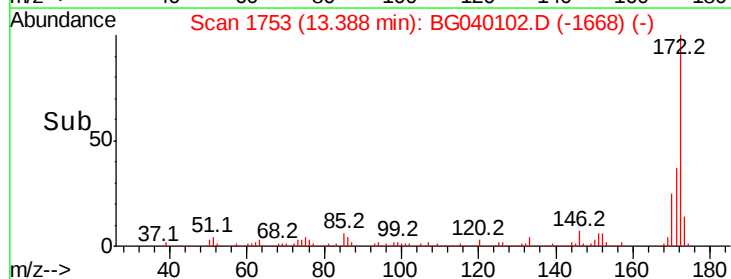
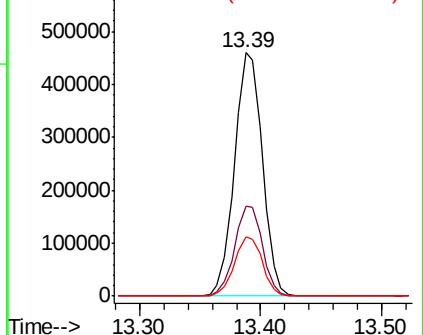


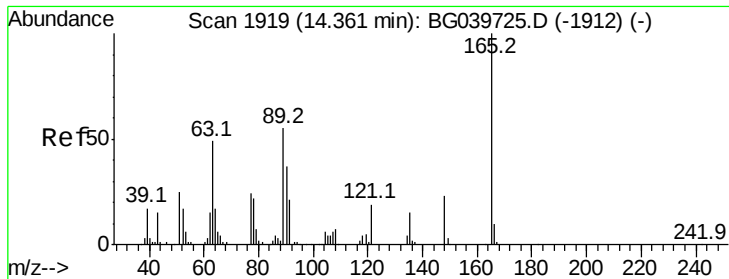
#45
 2-Fluorobiphenyl
 Concen: 78.151 ng
 RT: 13.39 min Scan# 1753
 Delta R.T. -0.03 min
 Lab File: BG040102.D
 Acq: 23 Mar 2019 4:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.8	46.2
170	24.6	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





#51

2,6-Dinitrotoluene

Concen: 7.206 ng

RT: 14.77 min Scan# 1988

Delta R.T. 0.40 min

Lab File: BG040102.D

Acq: 23 Mar 2019 4:54

Instrument :

BNA_G

ClientSampleId :

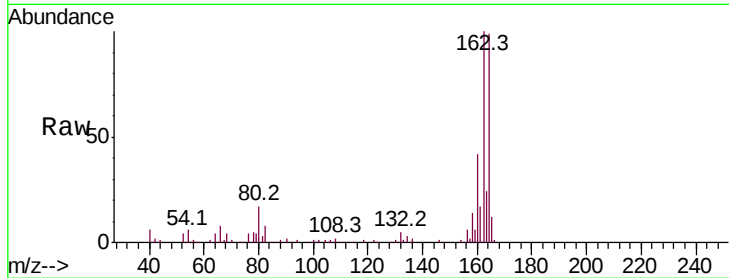
Tot Ion:165 Resp: 17222

Ion Ratio Lower Upper

165 100

63 0.0 47.0 70.6#

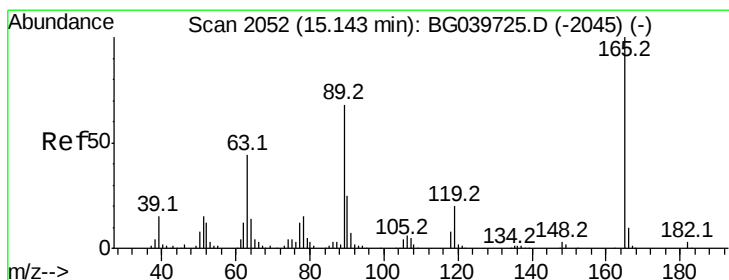
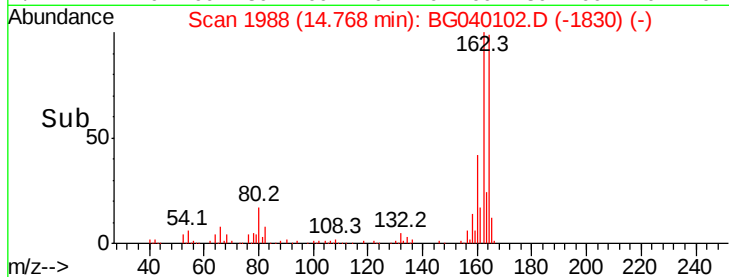
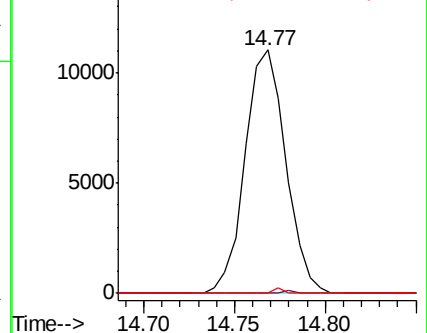
89 0.0 45.8 68.8#



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: 5.129 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.38 min

Lab File: BG040102.D

Acq: 23 Mar 2019 4:54

Tgt Ion:165 Resp: 17222

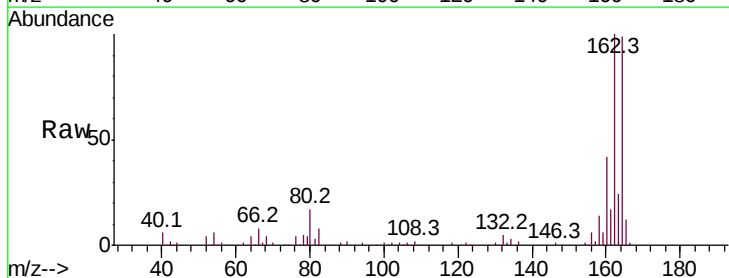
Ion Ratio Lower Upper

165 100

63 0.0 41.0 61.6#

89 0.0 64.6 96.8#

182 0.0 2.0 3.0#

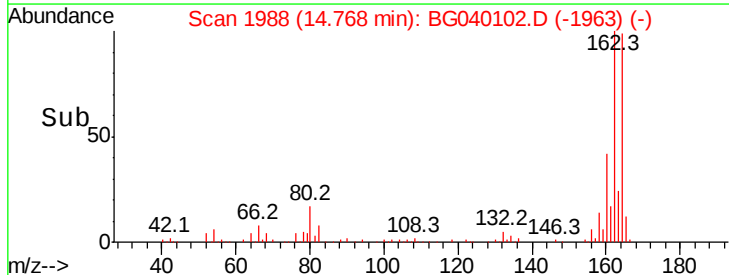
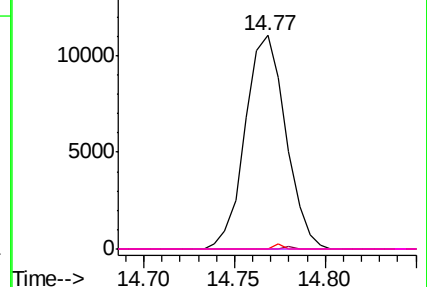


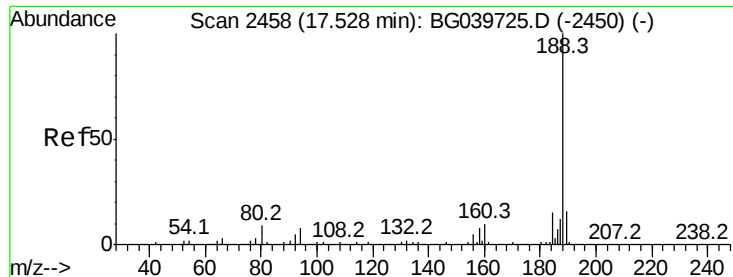
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.51 min Scan# 2455

Delta R.T. -0.02 min

Lab File: BG040102.D

Acq: 23 Mar 2019 4:54

Instrument :

BNA_G

ClientSampleId :

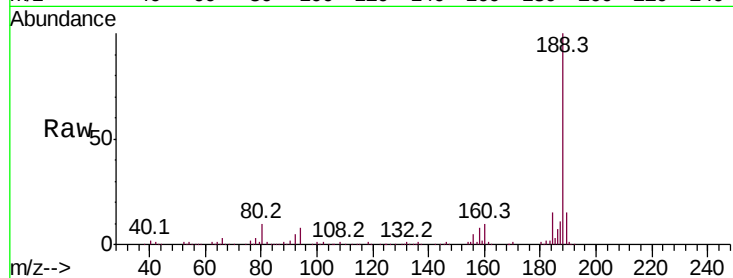
Tot Ion:188 Resp: 323515

Ion Ratio Lower Upper

188 100

94 8.2 6.9 10.3

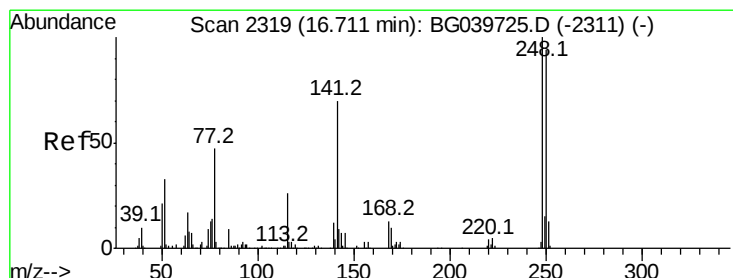
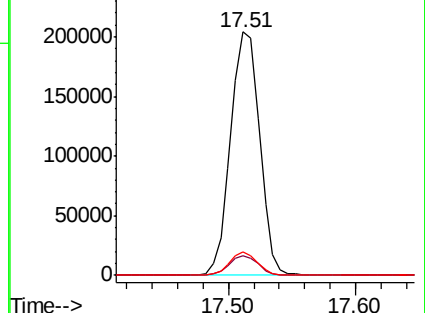
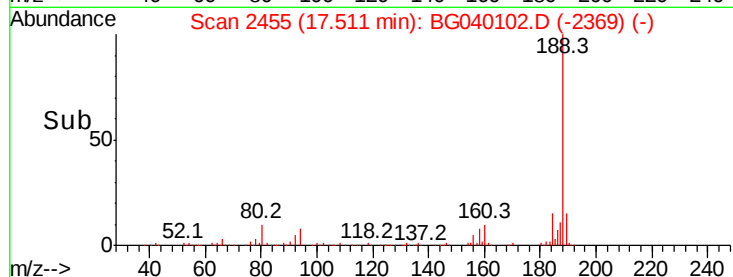
80 9.6 8.1 12.1



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



#67

4-Bromophenyl-phenylether

Concen: 2.604 ng

RT: 16.25 min Scan# 2241

Delta R.T. -0.46 min

Lab File: BG040102.D

Acq: 23 Mar 2019 4:54

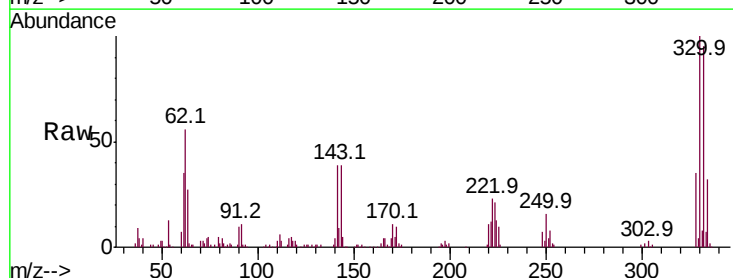
Tgt Ion:248 Resp: 9430

Ion Ratio Lower Upper

248 100

250 212.2 77.6 116.4#

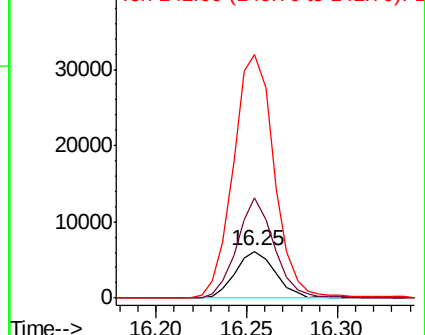
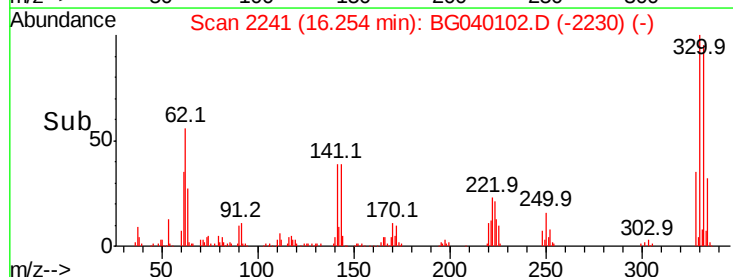
141 517.0 63.9 95.9#

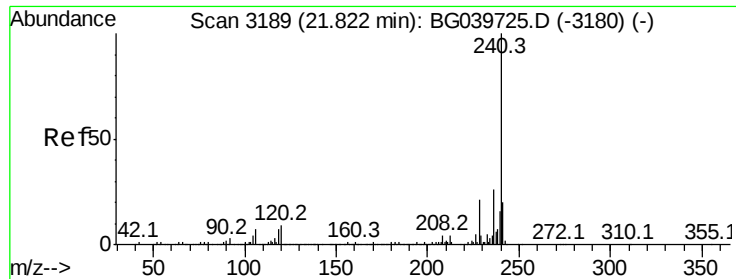


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.80 min Scan# 3185

Delta R.T. -0.03 min

Lab File: BG040102.D

Acq: 23 Mar 2019 4:54

Instrument :

BNA_G

ClientSampleId :

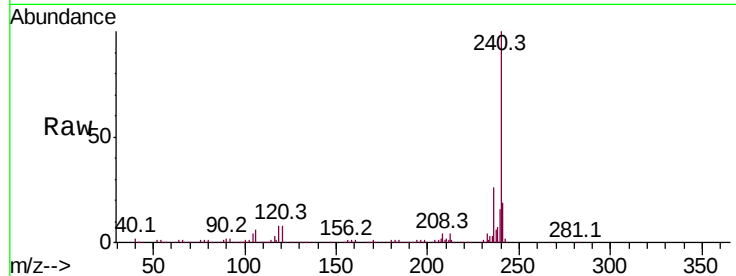
Tot Ion:240 Resp: 315861

Ion Ratio Lower Upper

240 100

120 8.3 7.0 10.6

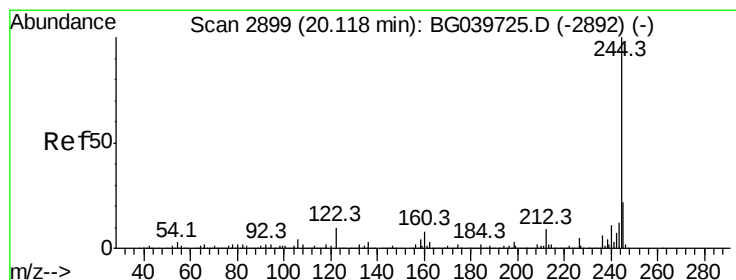
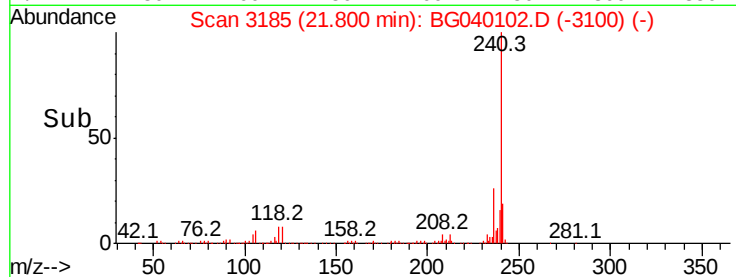
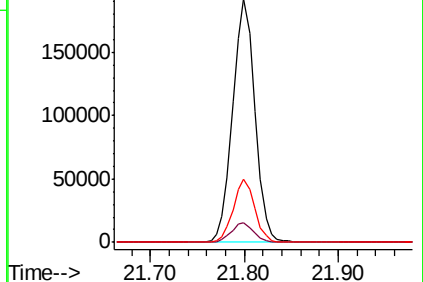
236 26.0 21.0 31.4



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: 70.772 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040102.D

Acq: 23 Mar 2019 4:54

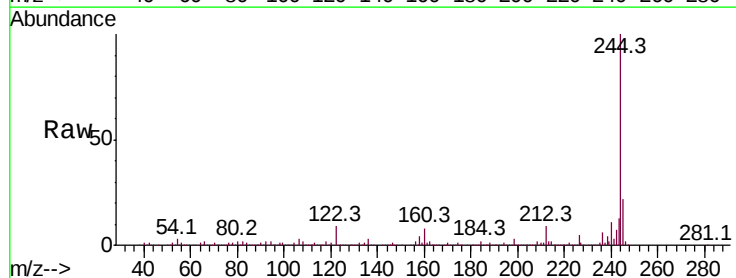
Tgt Ion:244 Resp: 1015259

Ion Ratio Lower Upper

244 100

212 9.0 7.3 10.9

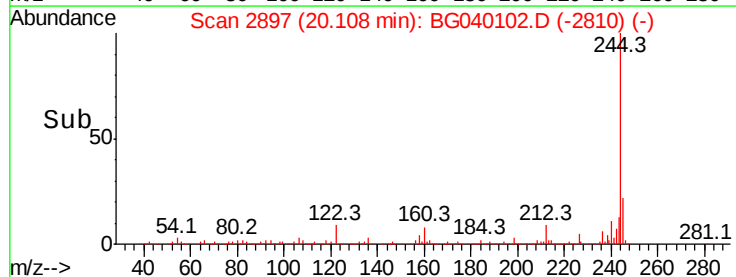
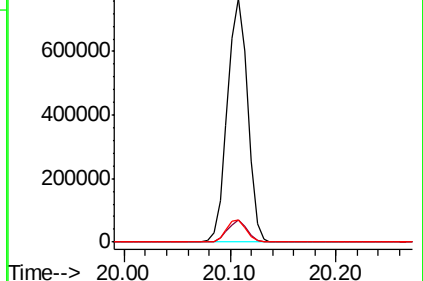
122 9.0 8.4 12.6

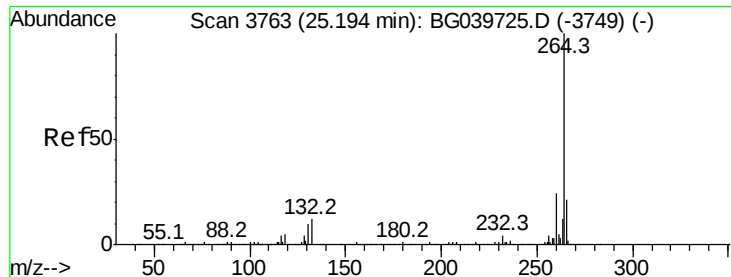


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.16 min Scan# 3757
Delta R.T. -0.04 min
Lab File: BG040102.D
Acq: 23 Mar 2019 4:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.2	27.4
265	21.1	18.5	27.7

