

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032219\
 Data File : BG040108.D
 Acq On : 23 Mar 2019 8:52
 Operator : JU/SJ
 Sample : K2035-14
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 23 22:16:58 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

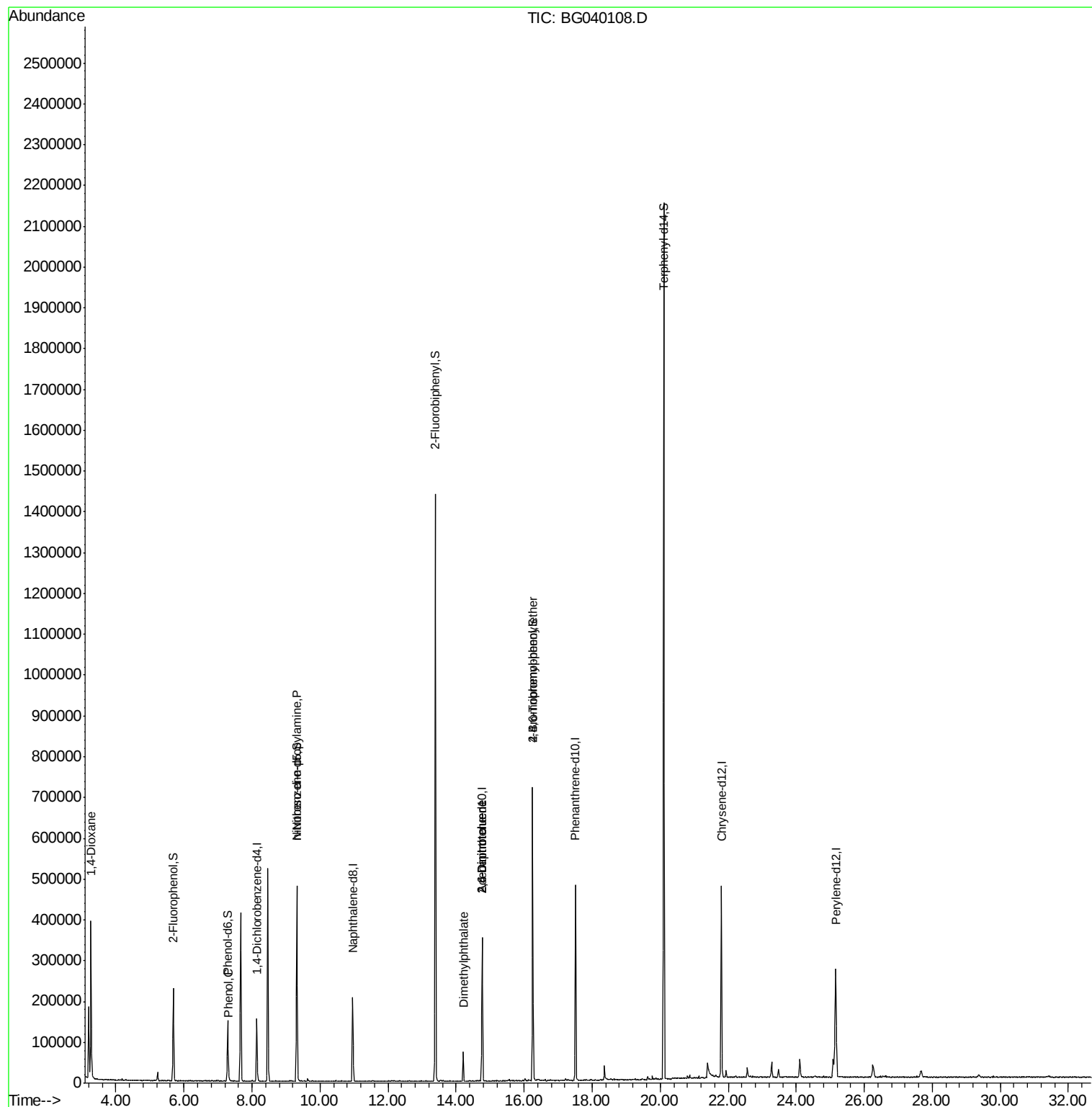
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	41114	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	183944	20.00	ng	-0.03
39) Acenaphthene-d10	14.77	164	127703	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	305276	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	296335	20.00	ng	-0.03
87) Perylene-d12	25.16	264	297301	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	97290	40.37	ng	-0.02
7) Phenol-d6	7.29	99	91287	25.40	ng	-0.02
23) Nitrobenzene-d5	9.32	82	290749	85.49	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	126784	85.18	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	749958	83.62	ng	-0.02
79) Terphenyl-d14	20.11	244	981810	72.95	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.26	88	3668	3.297	ng	# 1
10) Phenol	7.31	94	8298	2.132	ng	# 97
19) n-Nitroso-di-n-propylamine	9.32	70	37501	14.499	ng	# 66
50) Dimethylphthalate	14.21	163	50266	4.707	ng	# 100
51) 2,6-Dinitrotoluene	14.77	165	16179	7.147	ng	# 23
57) 2,4-Dinitrotoluene	14.77	165	16179	5.086	ng	# 18
67) 4-Bromophenyl-phenylether	16.25	248	9801	2.868	ng	# 1

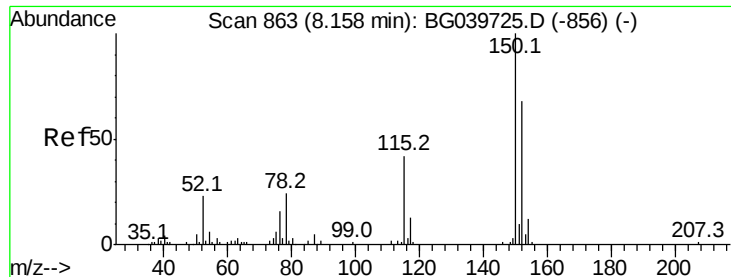
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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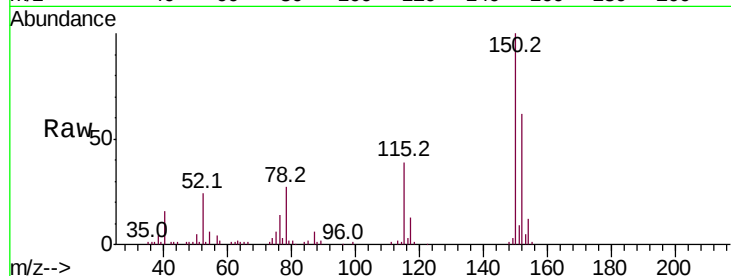


#1

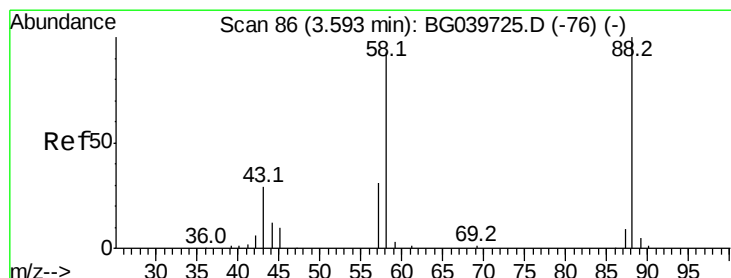
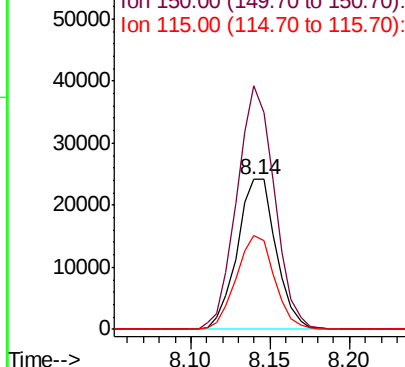
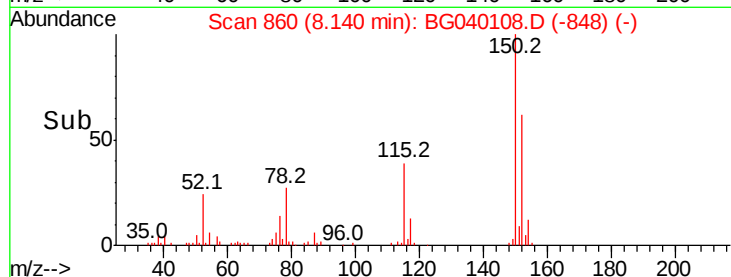
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.14 min Scan# 860
 Delta R.T. -0.03 min
 Lab File: BG040108.D
 Acq: 23 Mar 2019 8:52

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:152 Resp: 41114
 Ion Ratio Lower Upper
 152 100
 150 162.2 123.7 185.5
 115 62.7 45.9 68.9



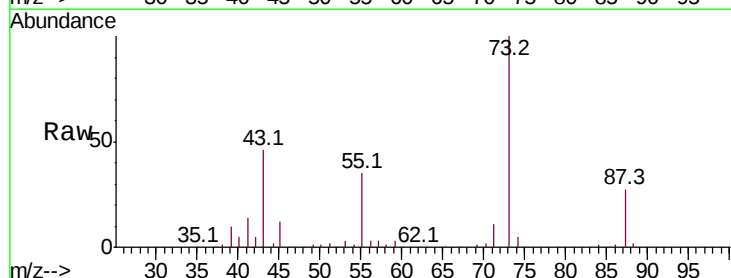
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



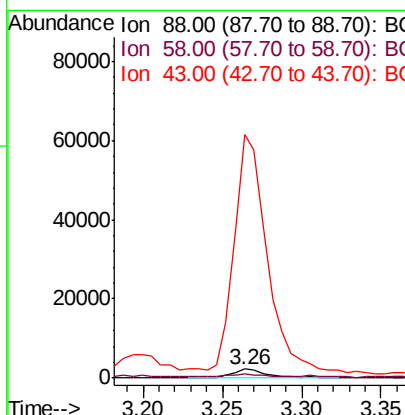
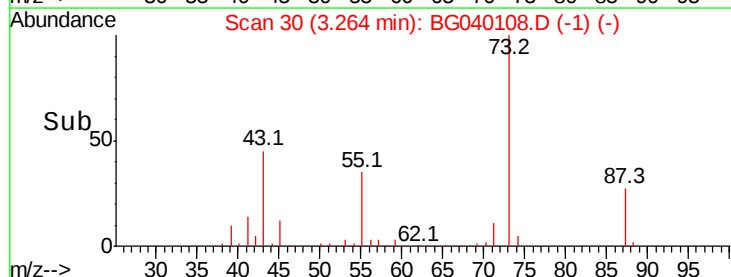
#2

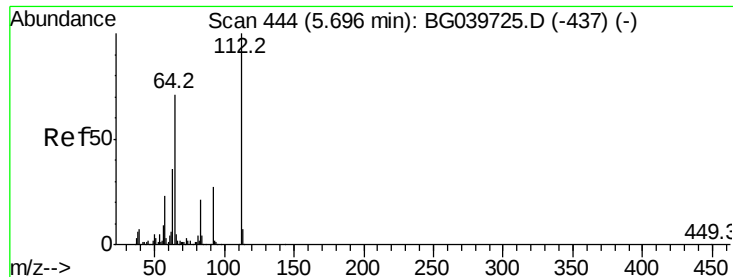
1,4-Dioxane
 Concen: 3.297 ng
 RT: 3.26 min Scan# 30
 Delta R.T. -0.34 min
 Lab File: BG040108.D
 Acq: 23 Mar 2019 8:52

Tgt Ion: 88 Resp: 3668
 Ion Ratio Lower Upper
 88 100
 58 23.7 81.1 121.7#
 43 2404.3 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: 40.370 ng

RT: 5.68 min Scan# 442

Delta R.T. -0.02 min

Lab File: BG040108.D

Acq: 23 Mar 2019 8:52

Instrument :

BNA_G

ClientSampleId :

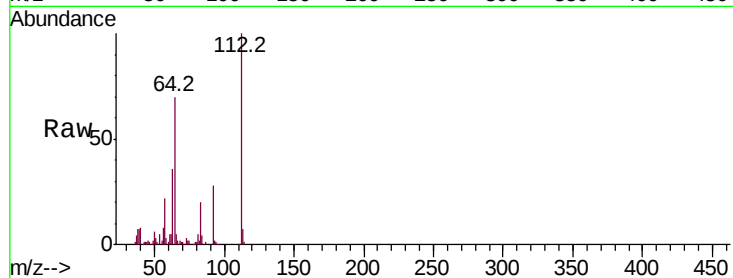
Tot Ion:112 Resp: 97290

Ion Ratio Lower Upper

112 100

64 69.9 57.8 86.8

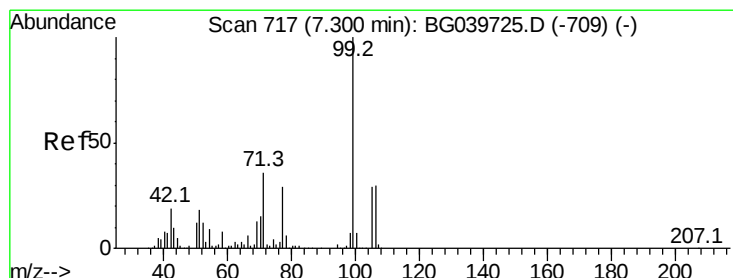
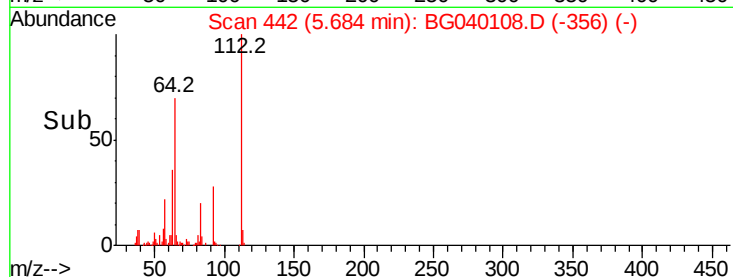
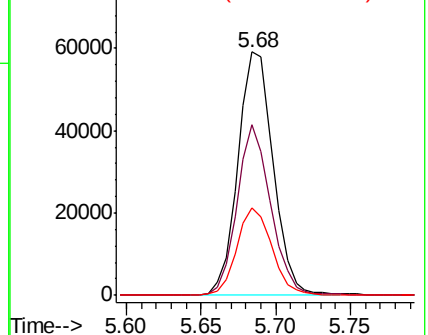
63 36.0 29.8 44.6



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: 25.404 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.02 min

Lab File: BG040108.D

Acq: 23 Mar 2019 8:52

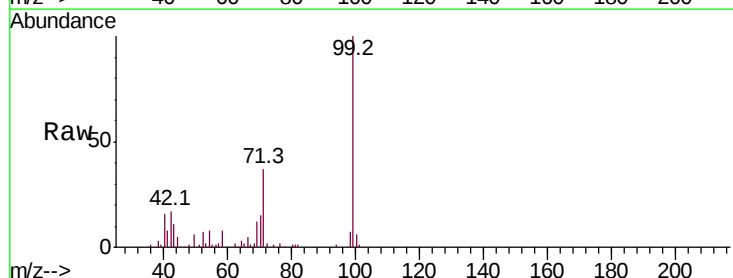
Tgt Ion: 99 Resp: 91287

Ion Ratio Lower Upper

99 100

42 17.5 18.2 27.2#

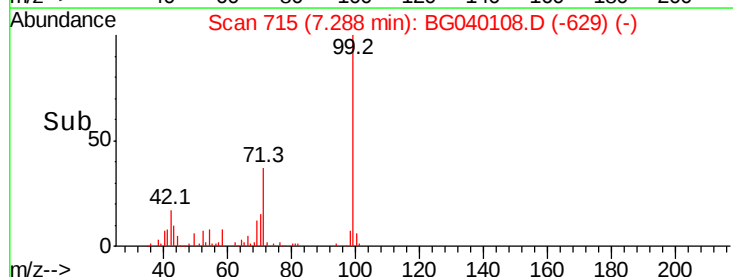
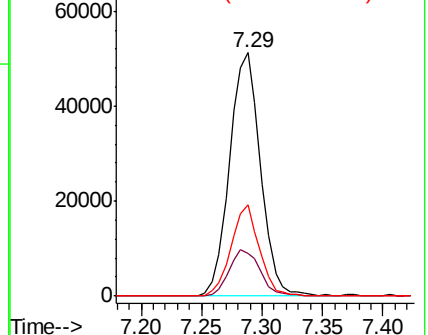
71 37.3 28.0 42.0

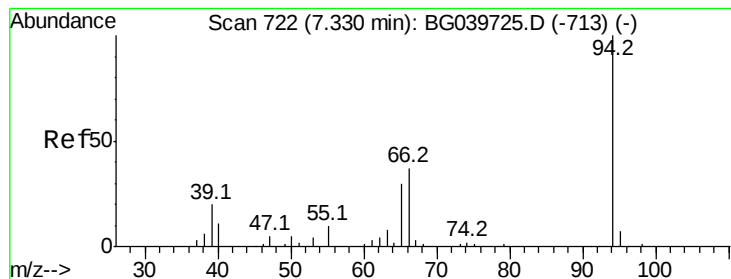


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 2.132 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.02 min

Lab File: BG040108.D

Acq: 23 Mar 2019 8:52

Instrument :

BNA_G

ClientSampleId :

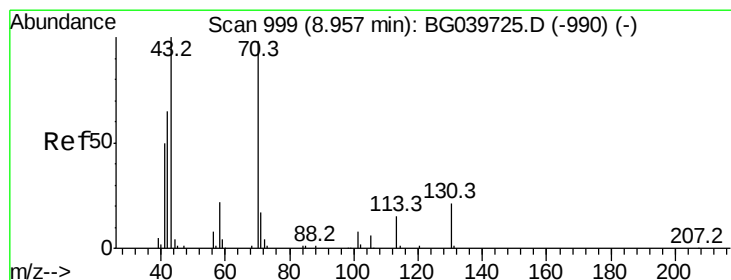
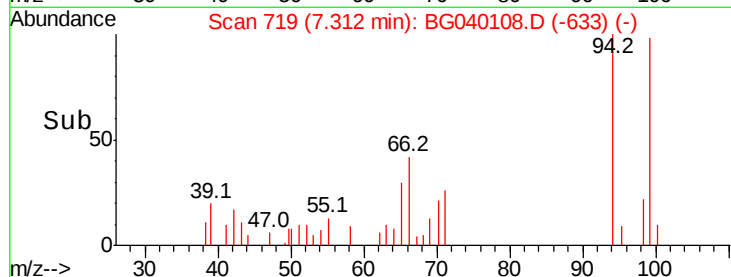
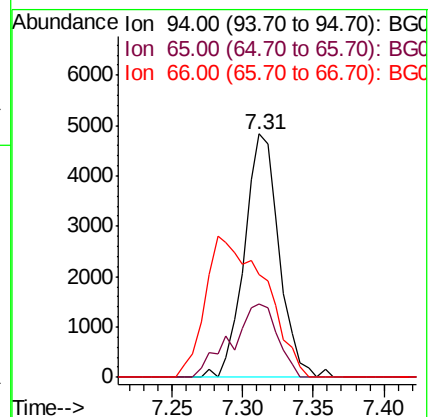
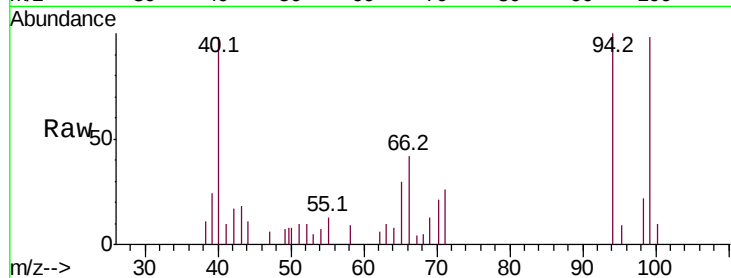
Tot Ion: 94 Resp: 8298

Ion Ratio Lower Upper

94 100

65 30.3 11.7 51.7

66 42.0 23.7 63.7



#19

n-Nitroso-di-n-propylamine

Concen: 14.499 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040108.D

Acq: 23 Mar 2019 8:52

Tgt Ion: 70 Resp: 37501

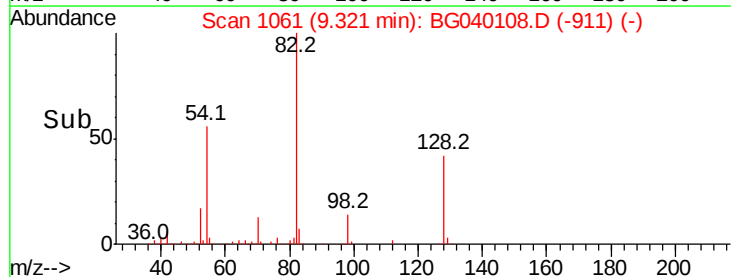
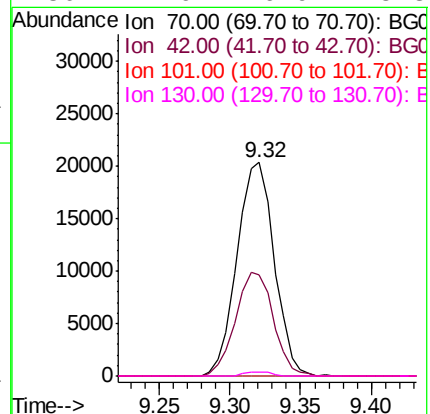
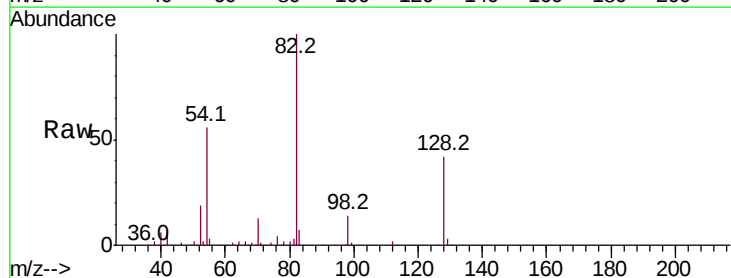
Ion Ratio Lower Upper

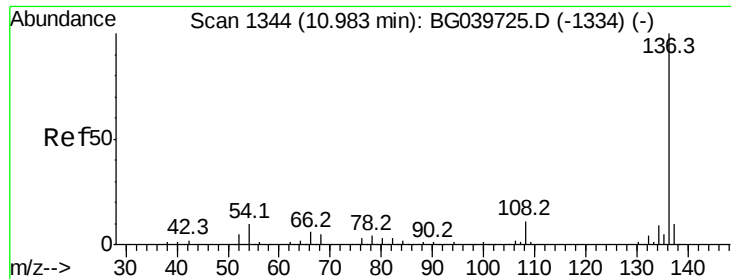
70 100

42 47.3 60.4 90.6#

101 0.0 7.5 11.3#

130 1.9 16.9 25.3#

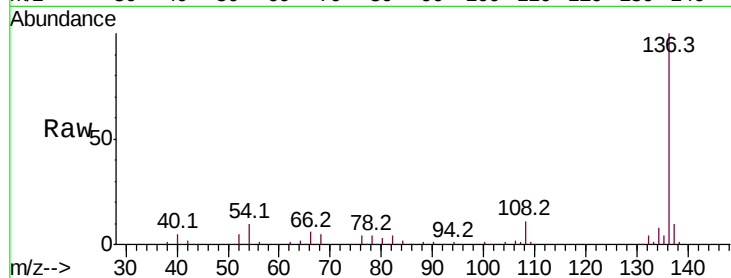




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.03 min
Lab File: BG040108.D
Acq: 23 Mar 2019 8:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	183944
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.1	13.7
54	10.1	9.4	14.2
68	5.1	4.2	6.4



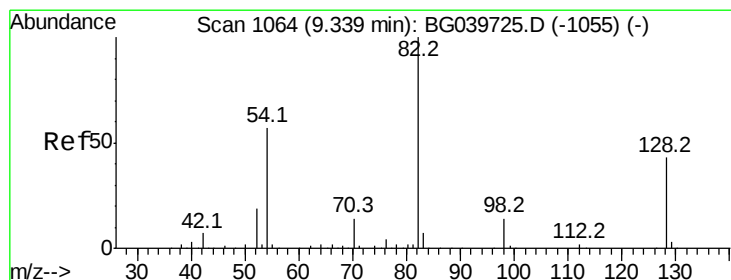
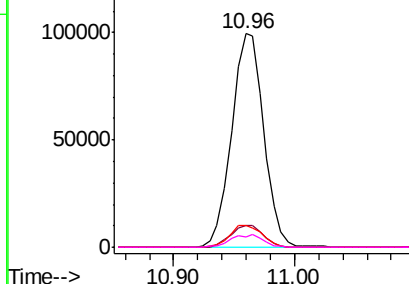
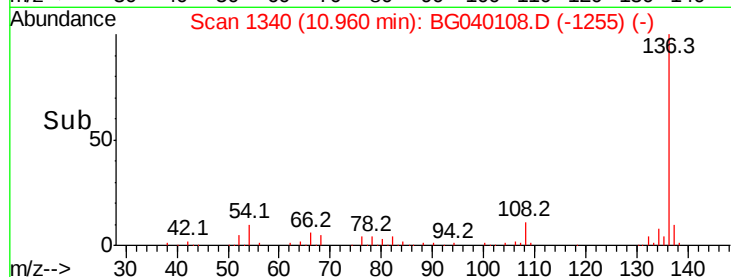
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

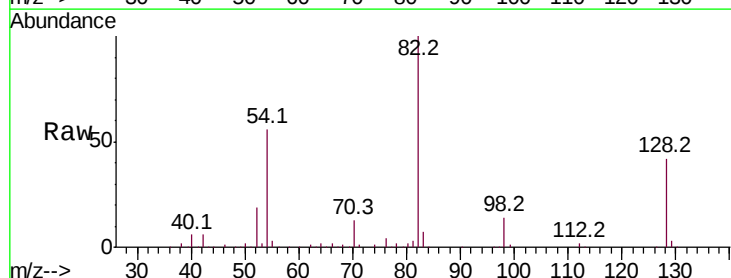
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23
Nitrobenzene-d5
Concen: 85.487 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040108.D
Acq: 23 Mar 2019 8:52

Tgt Ion:	82	Resp:	290749
Ion	Ratio	Lower	Upper
82	100		
128	42.5	31.3	46.9
54	56.1	50.9	76.3

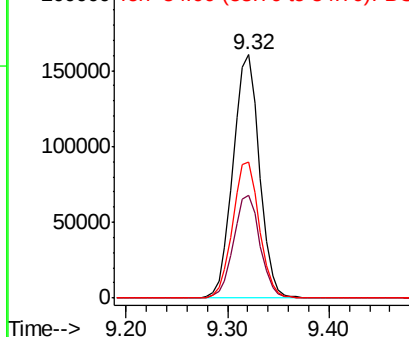
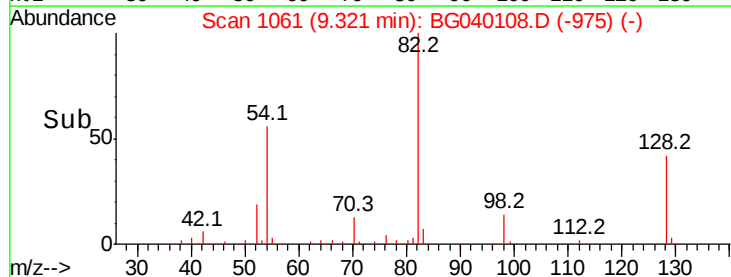


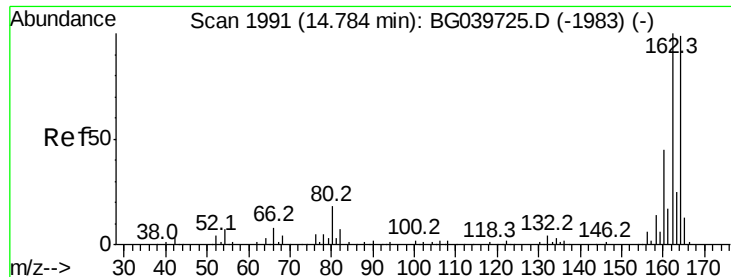
Abundance

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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BG040108.D

Acq: 23 Mar 2019 8:52

Instrument :

BNA_G

ClientSampleId :

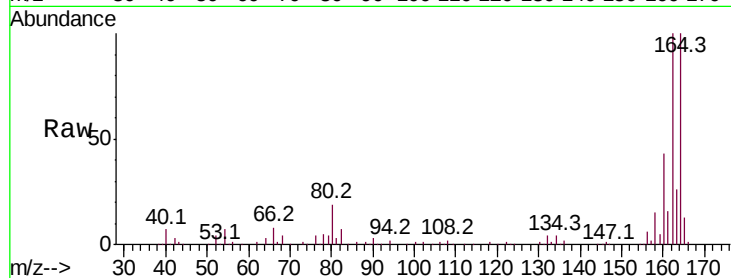
Tot Ion:164 Resp: 127703

Ion Ratio Lower Upper

164 100

162 100.5 81.6 122.4

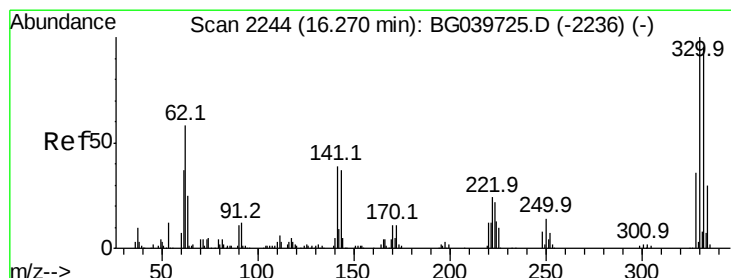
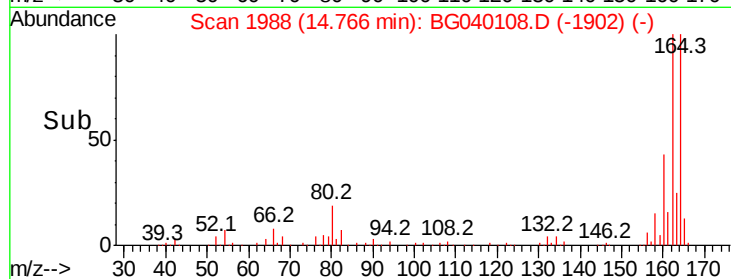
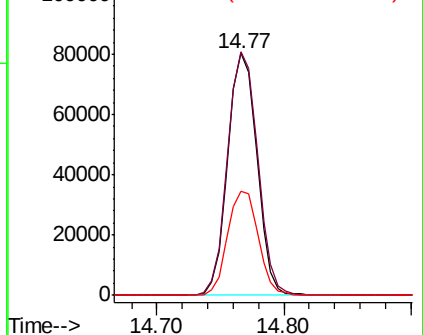
160 43.1 34.2 51.2



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: 85.177 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.02 min

Lab File: BG040108.D

Acq: 23 Mar 2019 8:52

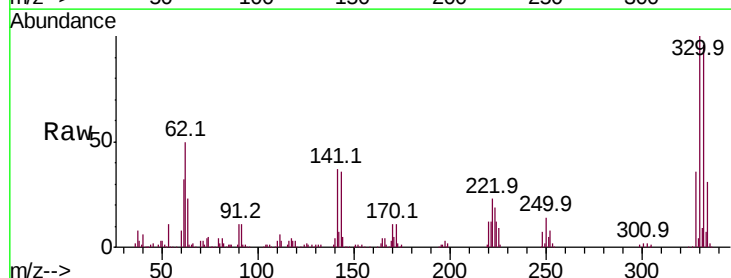
Tgt Ion:330 Resp: 126784

Ion Ratio Lower Upper

330 100

332 96.6 75.7 113.5

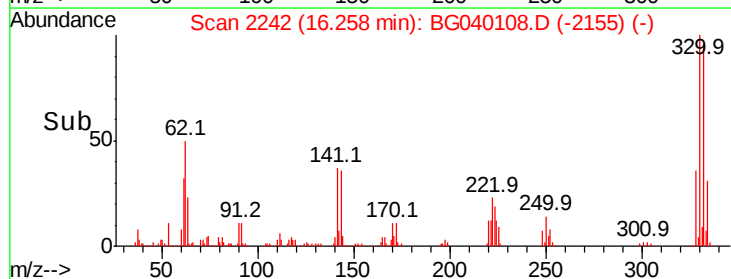
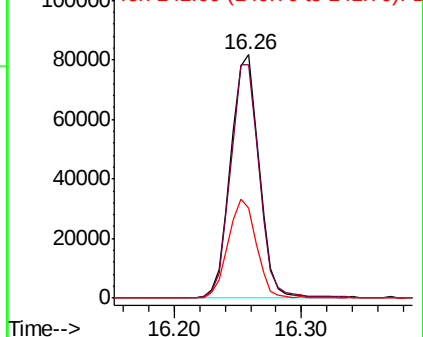
141 40.5 35.6 53.4

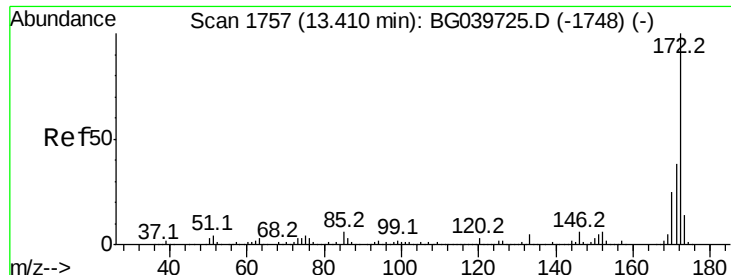


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

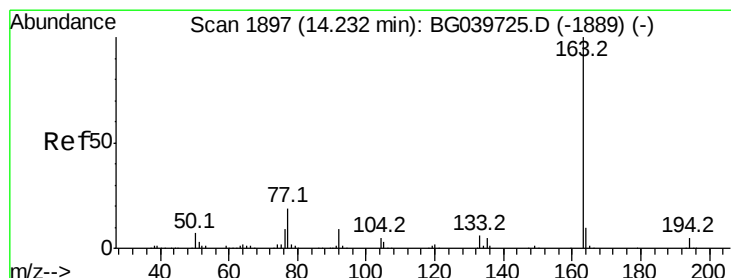
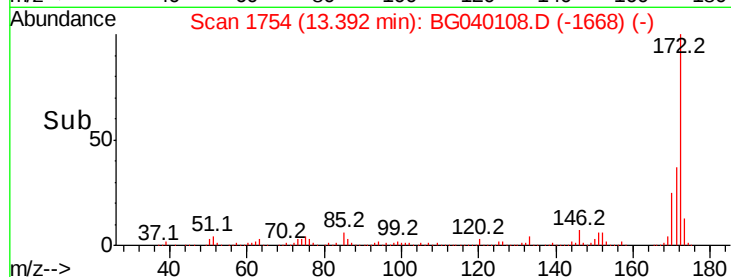
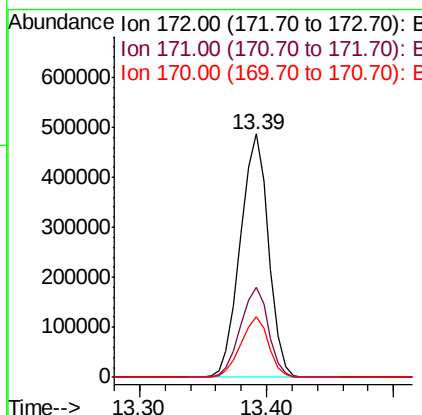
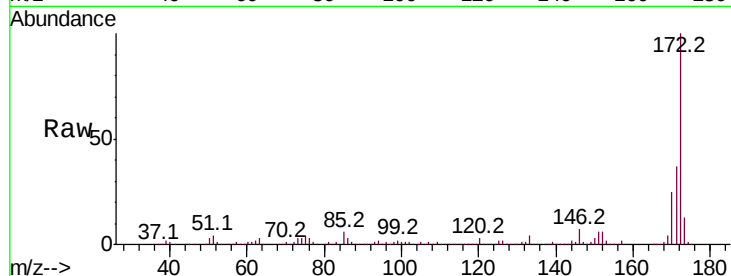




#45
 2-Fluorobiphenyl
 Concen: 83.617 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG040108.D
 Acq: 23 Mar 2019 8:52

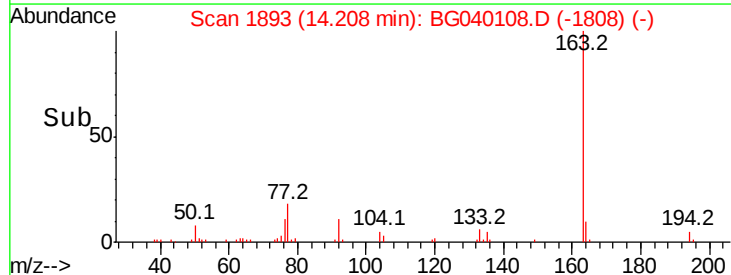
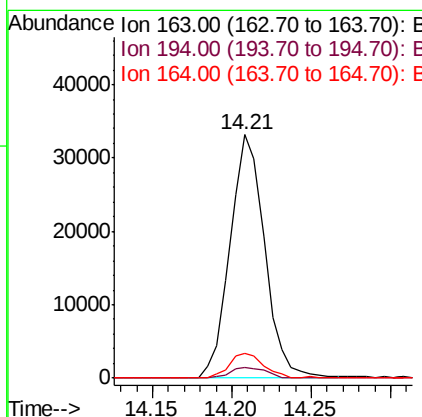
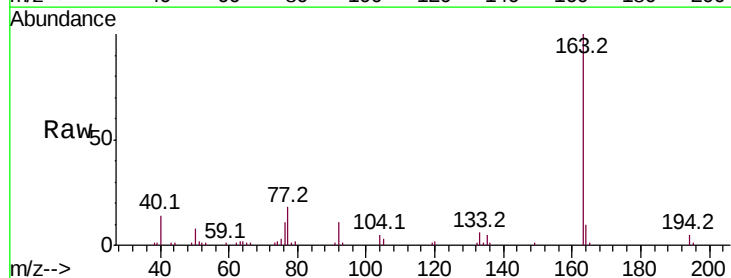
Instrument :
 BNA_G
 ClientSampleId :

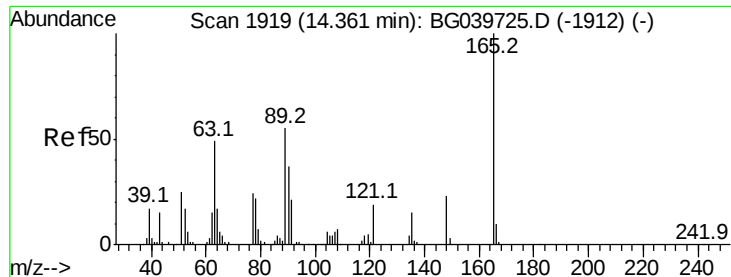
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.8	46.2
170	24.7	20.2	30.4



#50
 Dimethylphthalate
 Concen: 4.707 ng
 RT: 14.21 min Scan# 1893
 Delta R.T. -0.03 min
 Lab File: BG040108.D
 Acq: 23 Mar 2019 8:52

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.6	5.4
164	10.3	8.4	12.6

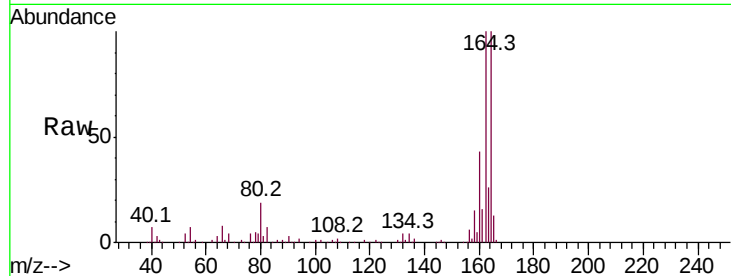




#51
 2,6-Dinitrotoluene
 Concen: 7.147 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. 0.40 min
 Lab File: BG040108.D
 Acq: 23 Mar 2019 8:52

Instrument :
 BNA_G
 ClientSampled :

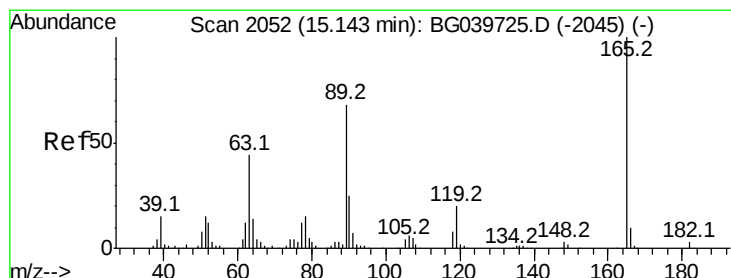
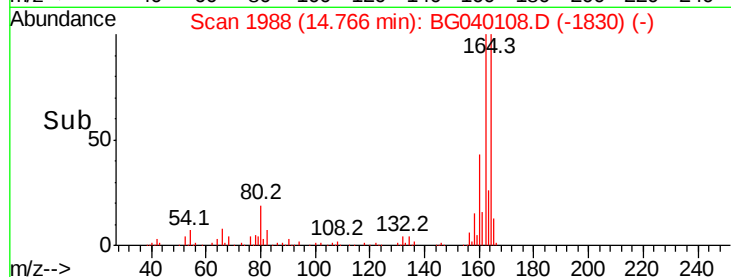
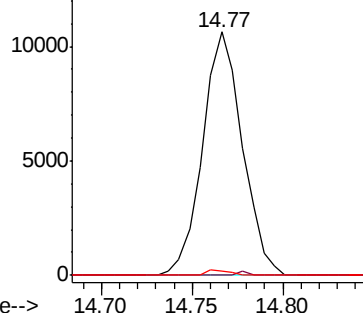
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	47.0	70.6#
89	1.7	45.8	68.8#



Abundance Ion 165.00 (164.70 to 165.70): E

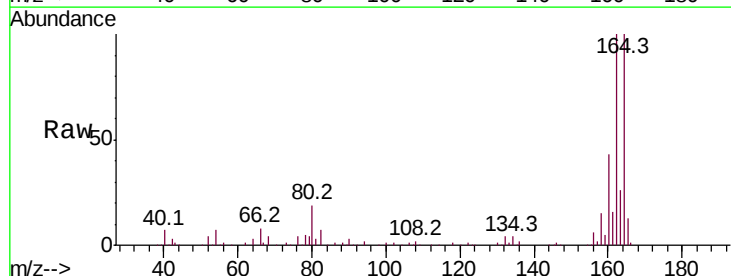
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#57
 2,4-Dinitrotoluene
 Concen: 5.086 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. -0.38 min
 Lab File: BG040108.D
 Acq: 23 Mar 2019 8:52

Tgt 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#

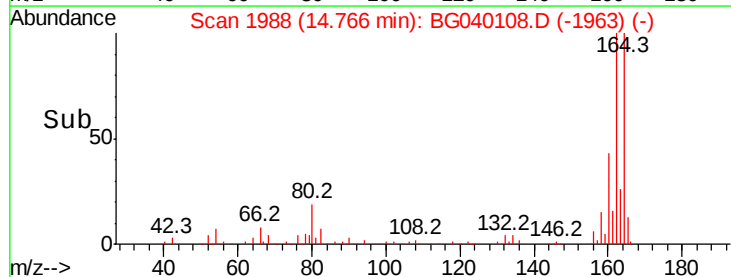
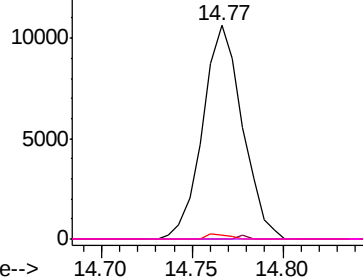


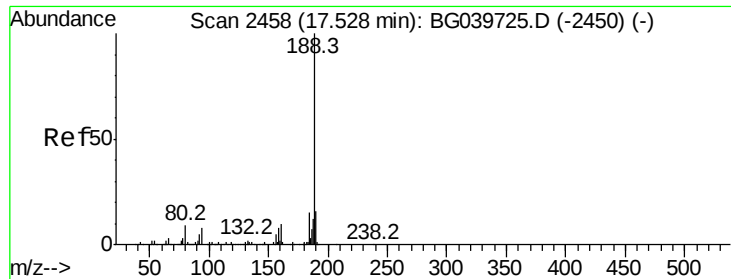
Abundance Ion 165.00 (164.70 to 165.70): E

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.51 min Scan# 2455

Delta R.T. -0.02 min

Lab File: BG040108.D

Acq: 23 Mar 2019 8:52

Instrument :

BNA_G

ClientSampleId :

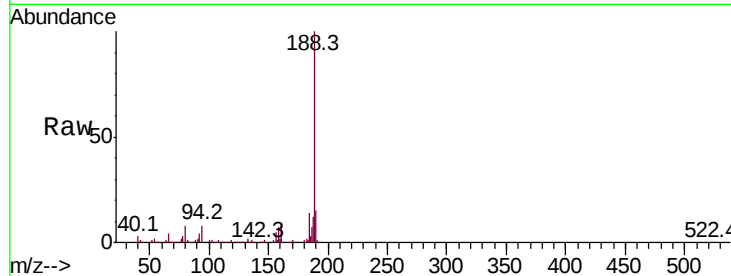
Tot Ion:188 Resp: 305276

Ion Ratio Lower Upper

188 100

94 7.8 6.9 10.3

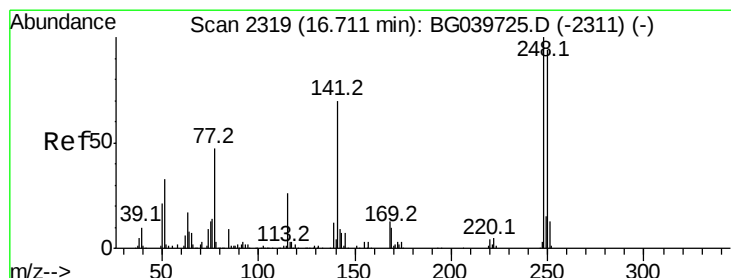
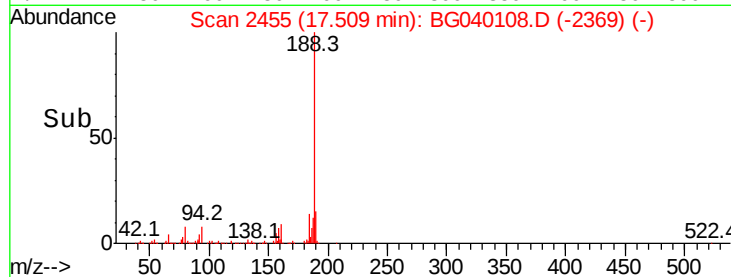
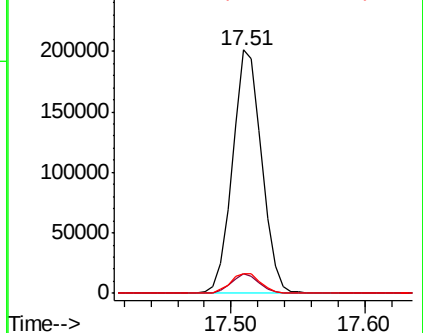
80 8.1 8.1 12.1#



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: 2.868 ng

RT: 16.25 min Scan# 2241

Delta R.T. -0.47 min

Lab File: BG040108.D

Acq: 23 Mar 2019 8:52

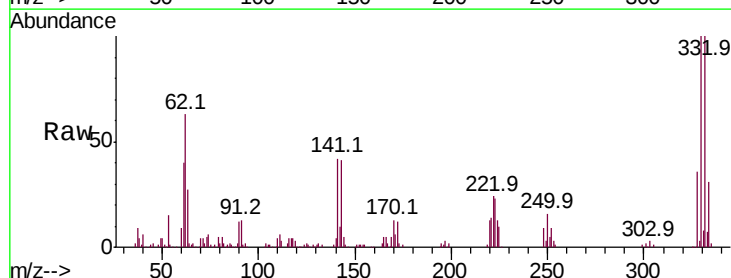
Tgt Ion:248 Resp: 9801

Ion Ratio Lower Upper

248 100

250 181.3 77.6 116.4#

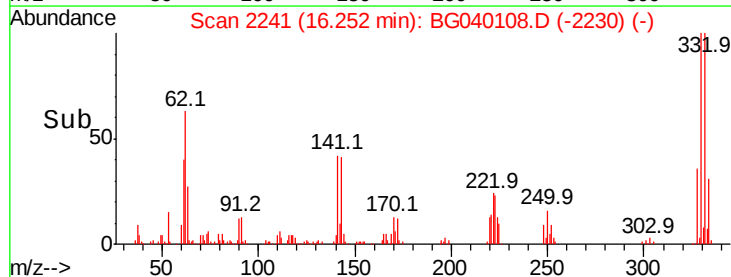
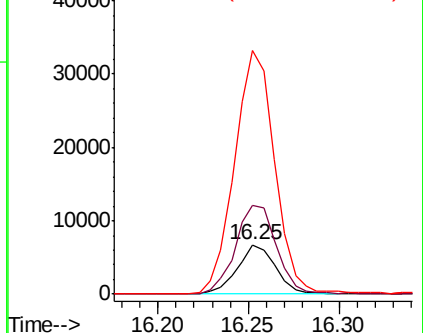
141 495.0 63.9 95.9#

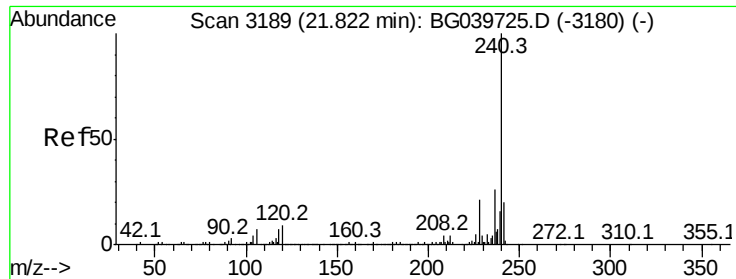


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG040108.D

Acq: 23 Mar 2019 8:52

Instrument :

BNA_G

ClientSampleId :

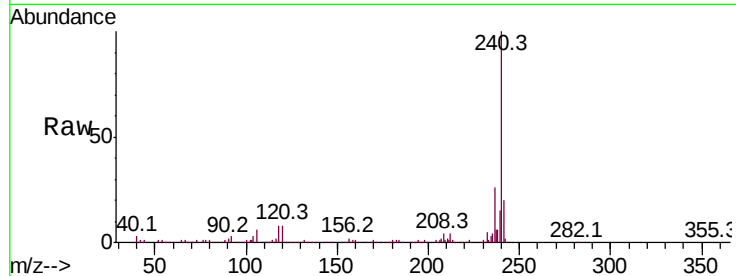
Tot Ion:240 Resp: 296335

Ion Ratio Lower Upper

240 100

120 8.1 7.0 10.6

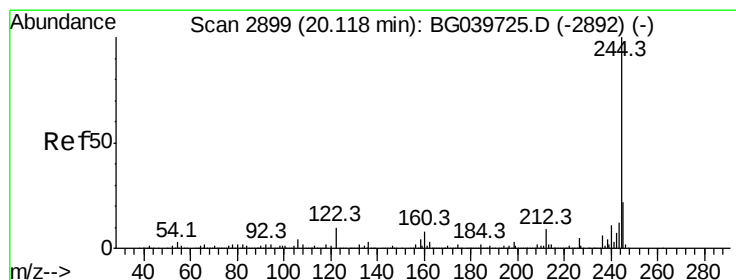
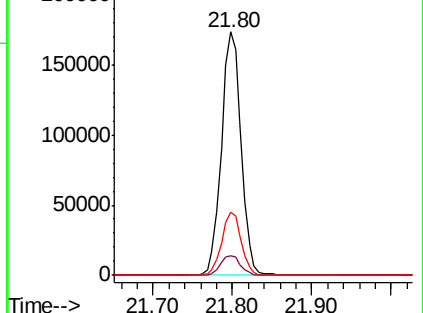
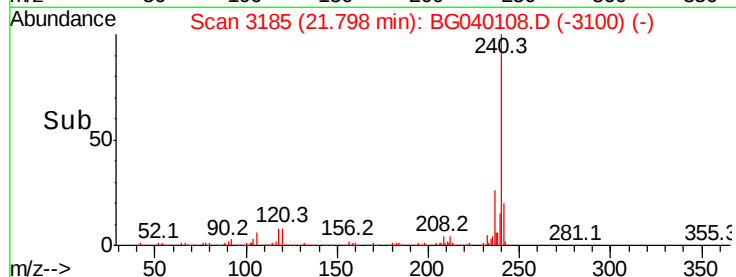
236 25.8 21.0 31.4



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: 72.950 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040108.D

Acq: 23 Mar 2019 8:52

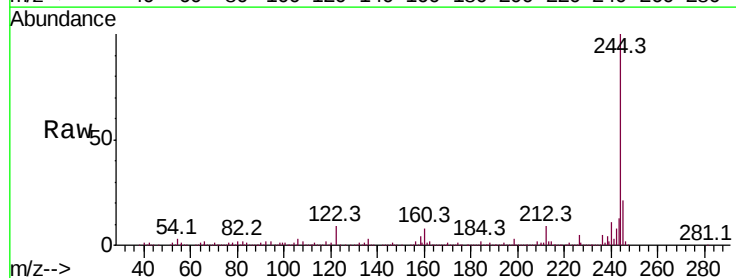
Tgt Ion:244 Resp: 981810

Ion Ratio Lower Upper

244 100

212 8.9 7.3 10.9

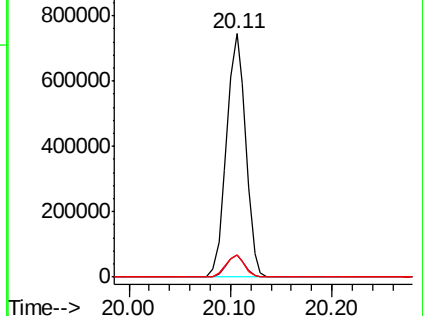
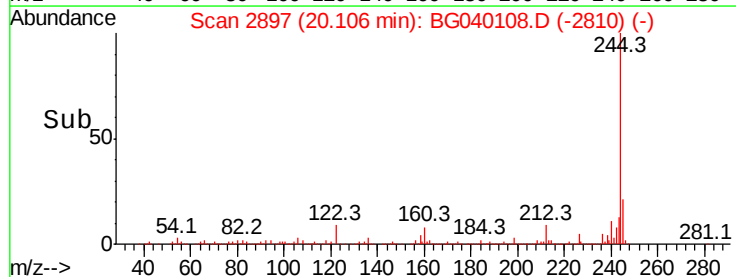
122 9.0 8.4 12.6

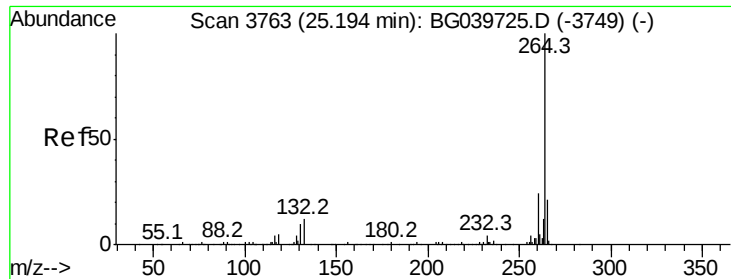


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

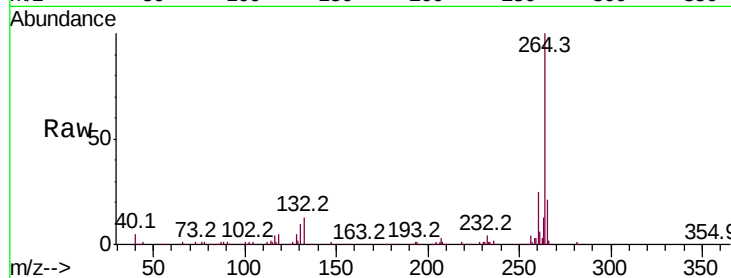




#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.16 min Scan# 3757
Delta R.T. -0.04 min
Lab File: BG040108.D
Acq: 23 Mar 2019 8:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	18.2	27.4
265	21.3	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

