

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032519\
 Data File : BG040146.D
 Acq On : 26 Mar 2019 11:32
 Operator : JU/SJ
 Sample : K2059-09
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 26 14:17:30 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

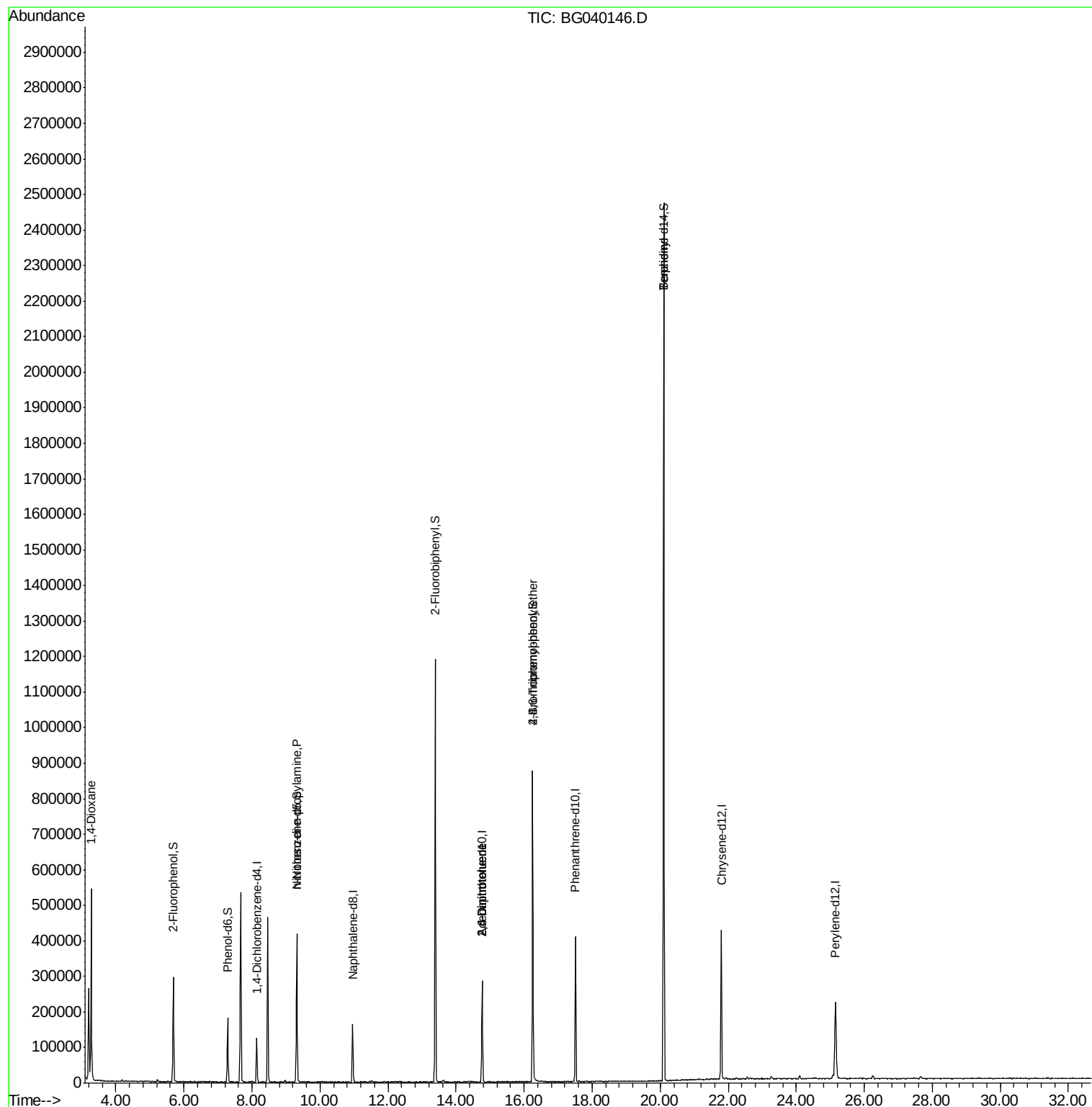
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	34276	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	137975	20.00	ng	-0.03
39) Acenaphthene-d10	14.77	164	98051	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	255381	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	269809	20.00	ng	-0.03
87) Perylene-d12	25.15	264	263029	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	123376	61.41	ng	-0.02
7) Phenol-d6	7.28	99	107608	35.92	ng	-0.03
23) Nitrobenzene-d5	9.31	82	243009	95.26	ng	-0.03
42) 2,4,6-Tribromophenol	16.25	330	161380	141.21	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	626388	90.96	ng	-0.03
79) Terphenyl-d14	20.11	244	1145488	93.48	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.26	88	4363	4.704	ng	# 1
19) n-Nitroso-di-n-propylamine	9.31	70	31534	14.624	ng	# 67
51) 2,6-Dinitrotoluene	14.77	165	12332	7.095	ng	# 23
57) 2,4-Dinitrotoluene	14.77	165	12332	5.049	ng	# 18
67) 4-Bromophenyl-phenylether	16.25	248	12323	4.311	ng	# 1
77) Benzidine	20.10	184	19386	2.264	ng	# 92

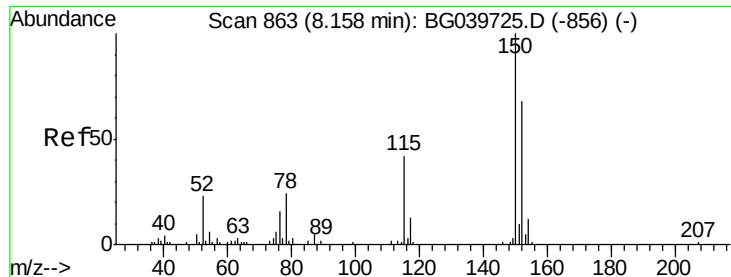
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Mar 04 14:38:15 2019
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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: BG040146.D

Acq: 26 Mar 2019 11:32

Instrument :

BNA_G

ClientSampleId :

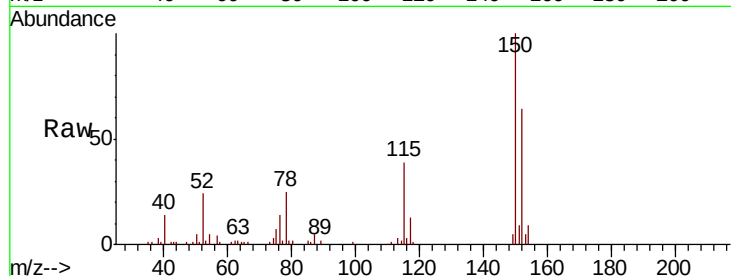
Tot Ion:152 Resp: 34276

Ion Ratio Lower Upper

152 100

150 157.5 123.7 185.5

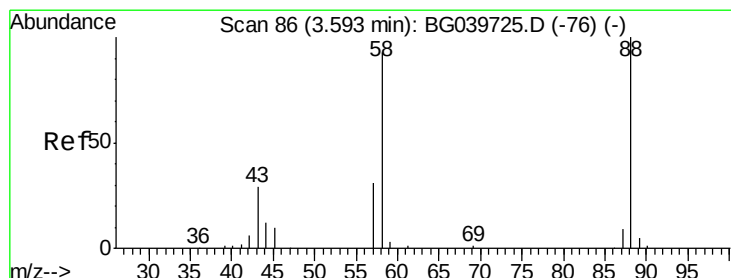
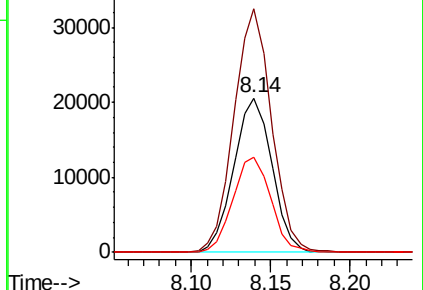
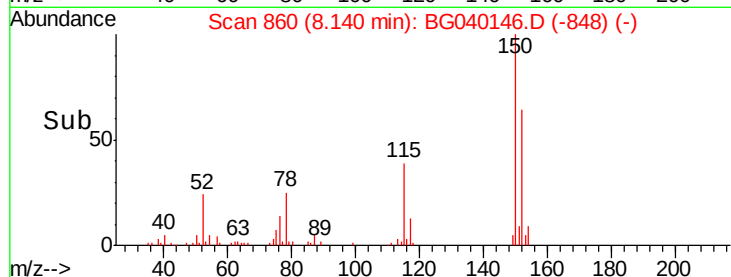
115 61.6 45.9 68.9



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



#2

1,4-Dioxane

Concen: 4.704 ng

RT: 3.26 min Scan# 30

Delta R.T. -0.34 min

Lab File: BG040146.D

Acq: 26 Mar 2019 11:32

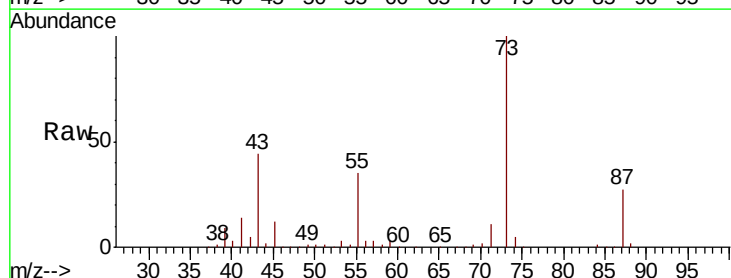
Tgt Ion: 88 Resp: 4363

Ion Ratio Lower Upper

88 100

58 37.0 81.1 121.7#

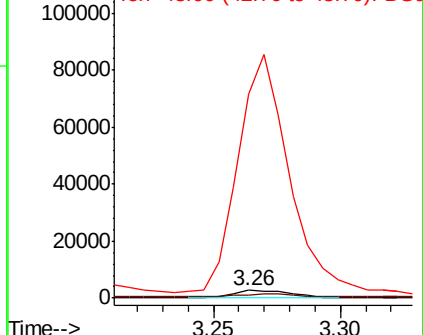
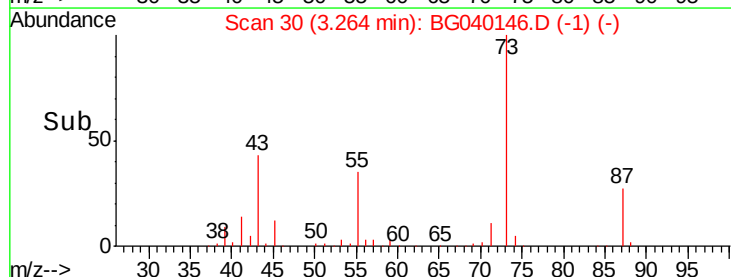
43 2857.9 31.4 47.0#

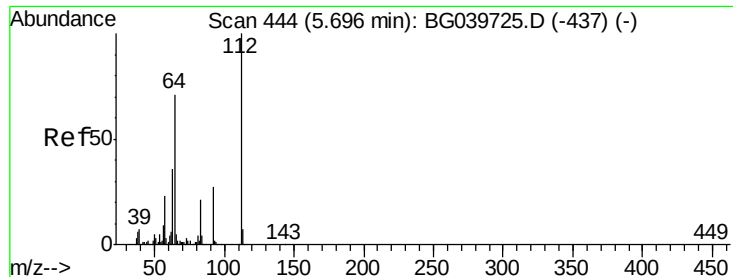


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 61.408 ng

RT: 5.68 min Scan# 442

Delta R.T. -0.02 min

Lab File: BG040146.D

Acq: 26 Mar 2019 11:32

Instrument :

BNA_G

ClientSampled :

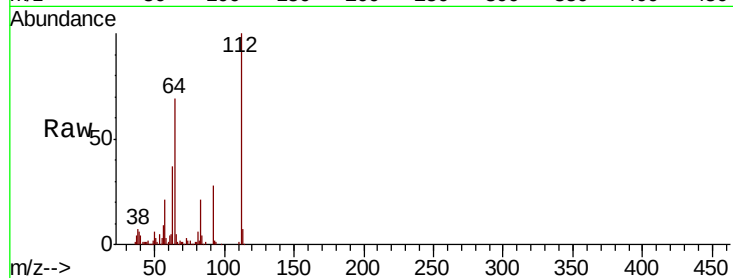
Tot Ion:112 Resp: 123376

Ion Ratio Lower Upper

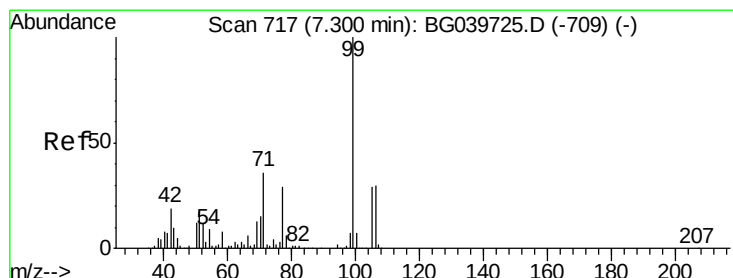
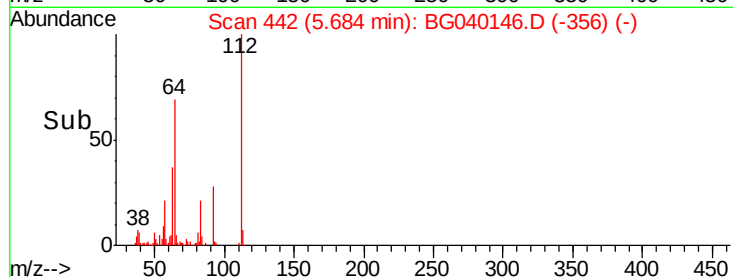
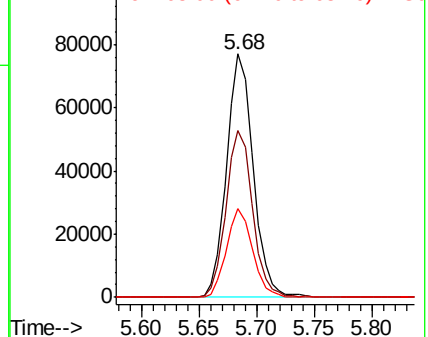
112 100

64 68.7 57.8 86.8

63 36.6 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: 35.920 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.03 min

Lab File: BG040146.D

Acq: 26 Mar 2019 11:32

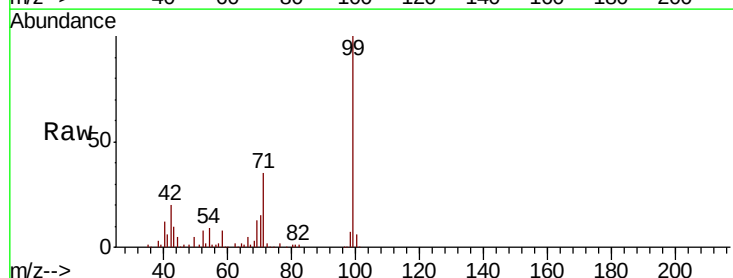
Tgt Ion: 99 Resp: 107608

Ion Ratio Lower Upper

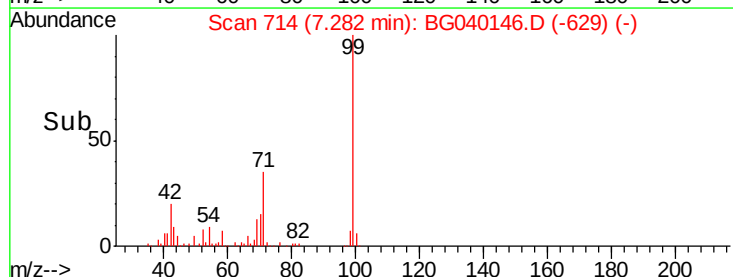
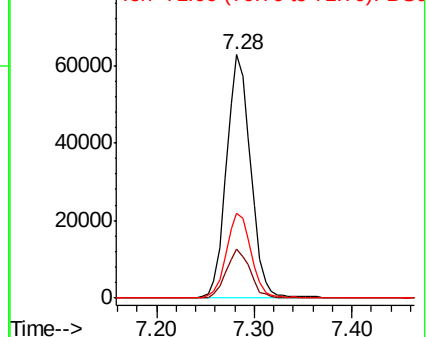
99 100

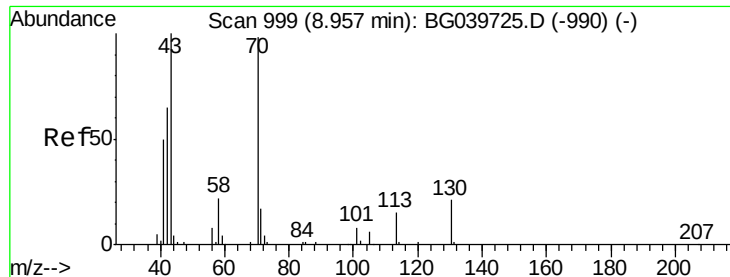
42 19.9 18.2 27.2

71 34.7 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

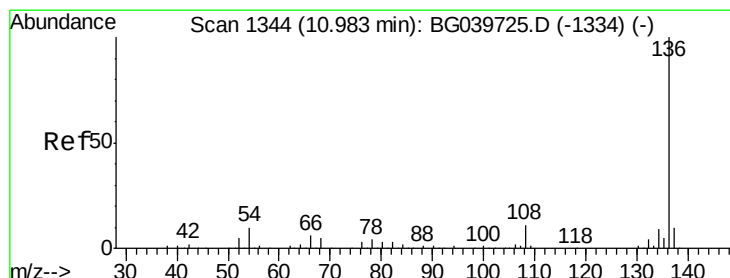
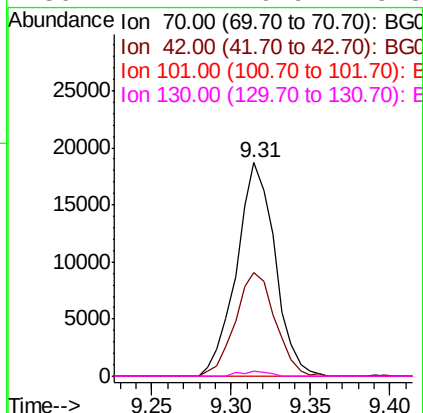
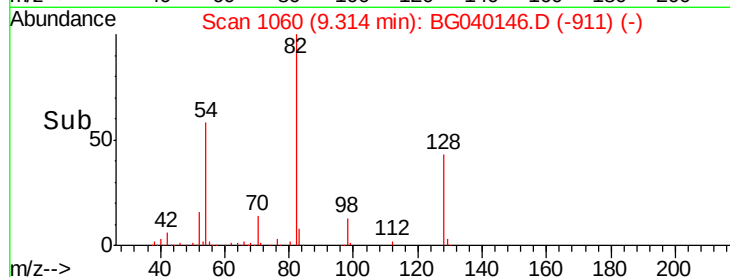
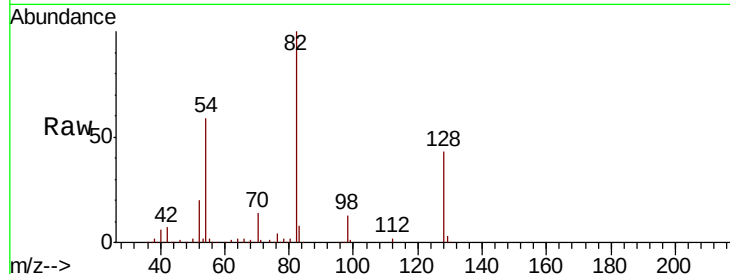




#19
n-Nitroso-di-n-propylamine
Concen: 14.624 ng
RT: 9.31 min Scan# 1060
Delta R.T. 0.35 min
Lab File: BG040146.D
Acq: 26 Mar 2019 11:32

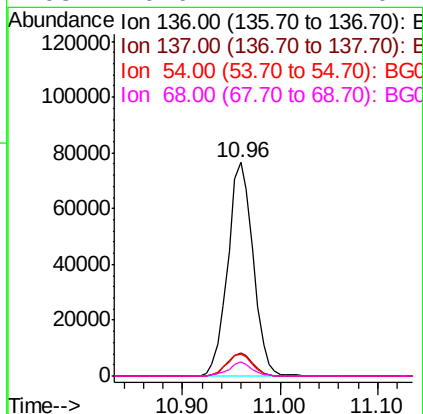
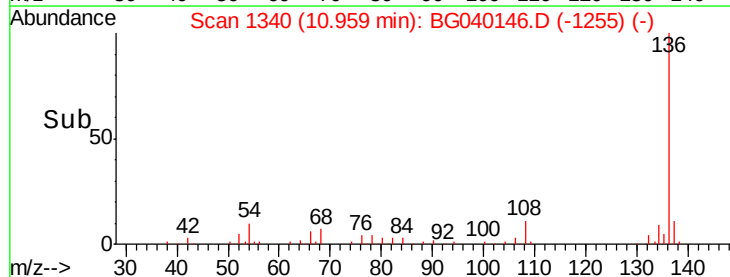
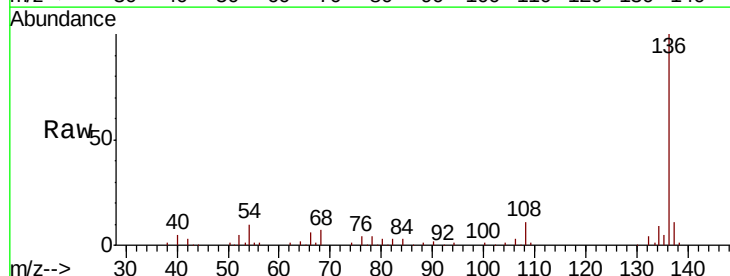
Instrument :
BNA_G
ClientSampled :

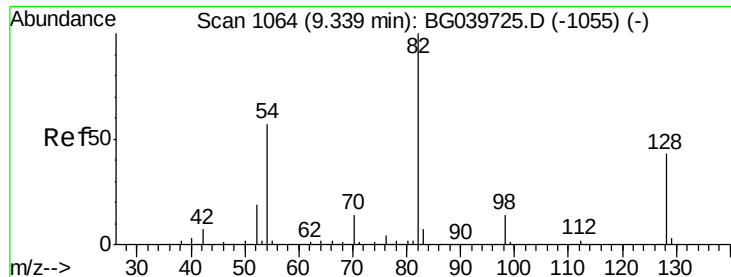
Tot Ion: 70 Resp: 31534
Ion Ratio Lower Upper
70 100
42 48.7 60.4 90.6#
101 0.0 7.5 11.3#
130 2.2 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.03 min
Lab File: BG040146.D
Acq: 26 Mar 2019 11:32

Tgt Ion: 136 Resp: 137975
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 10.4 9.4 14.2
68 6.6 4.2 6.4#

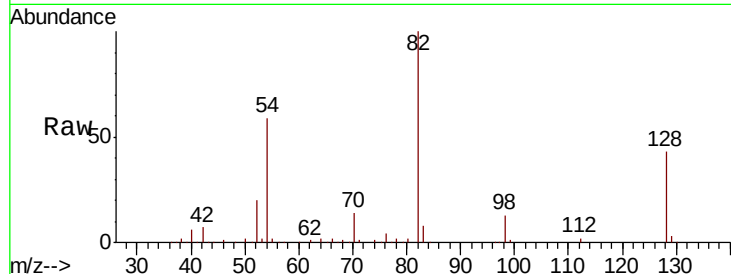




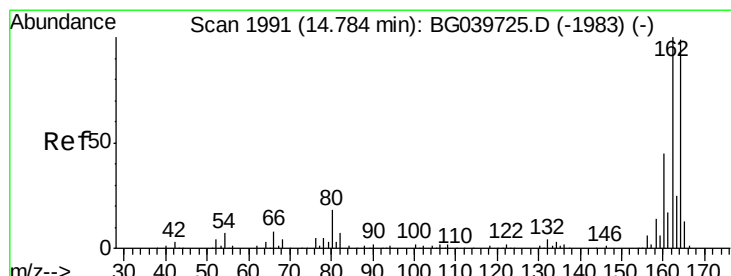
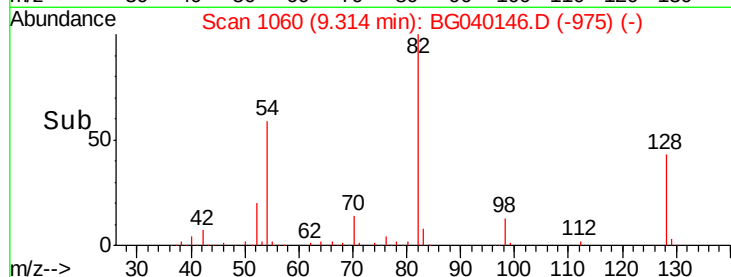
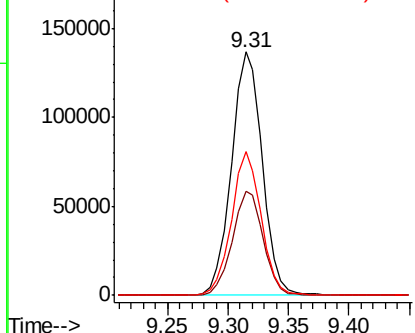
#23
 Nitrobenzene-d5
 Concen: 95.256 ng
 RT: 9.31 min Scan# 1060
 Delta R.T. -0.03 min
 Lab File: BG040146.D
 Acq: 26 Mar 2019 11:32

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	82	Resp	243009
Ion Ratio	100	Lower	Upper
128	42.8	31.3	46.9
54	59.0	50.9	76.3

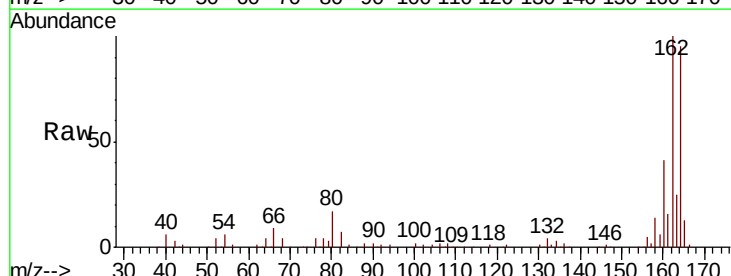


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

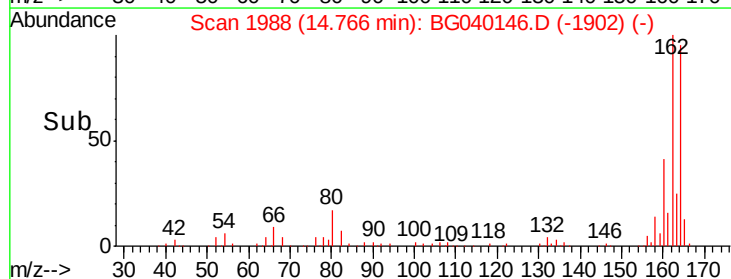
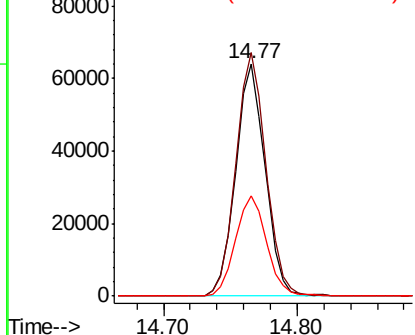


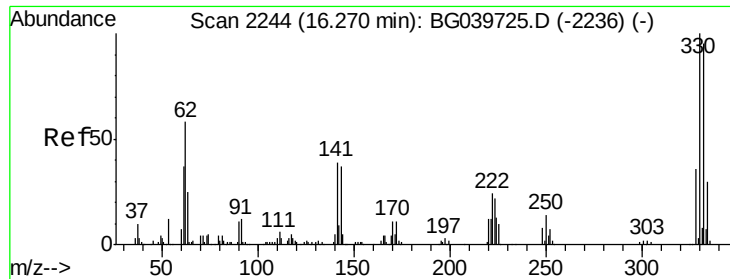
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. -0.02 min
 Lab File: BG040146.D
 Acq: 26 Mar 2019 11:32

Tgt Ion	164	Resp	98051
Ion Ratio	100	Lower	Upper
162	104.8	81.6	122.4
160	43.2	34.2	51.2



Abundance Ion 164.00 (163.70 to 164.70): BGC
 Ion 162.00 (161.70 to 162.70): BGC
 Ion 160.00 (159.70 to 160.70): BGC





#42

2,4,6-Tribromophenol

Concen: 141.208 ng

RT: 16.25 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040146.D

Acq: 26 Mar 2019 11:32

Instrument :

BNA_G

ClientSampleId :

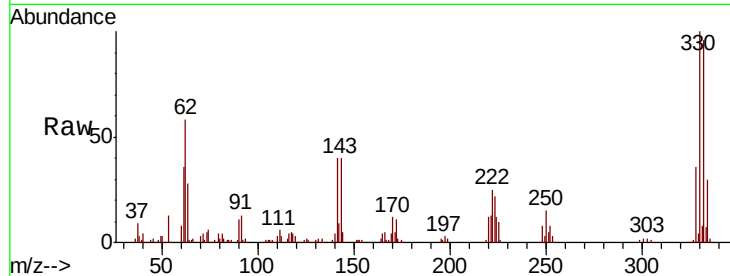
Tot Ion:330 Resp: 161380

Ion Ratio Lower Upper

330 100

332 97.5 75.7 113.5

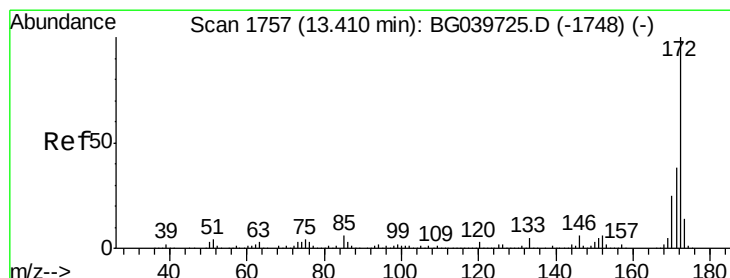
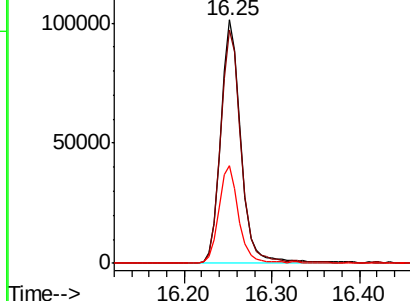
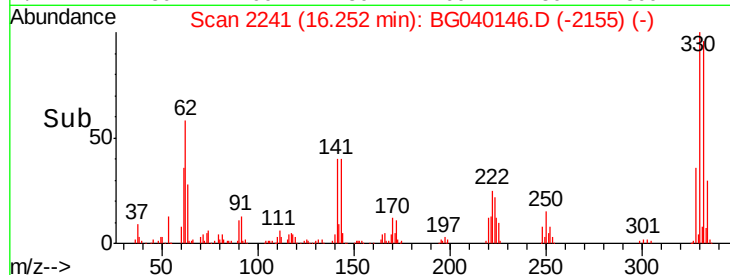
141 39.5 35.6 53.4



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: 90.960 ng

RT: 13.39 min Scan# 1753

Delta R.T. -0.03 min

Lab File: BG040146.D

Acq: 26 Mar 2019 11:32

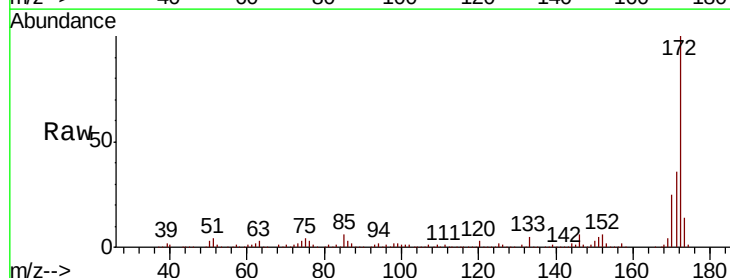
Tgt Ion:172 Resp: 626388

Ion Ratio Lower Upper

172 100

171 36.4 30.8 46.2

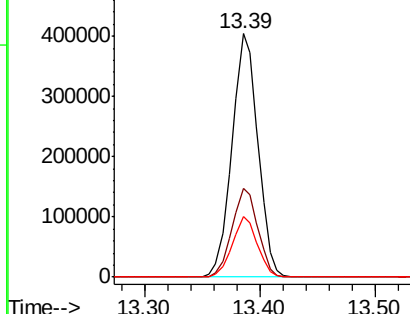
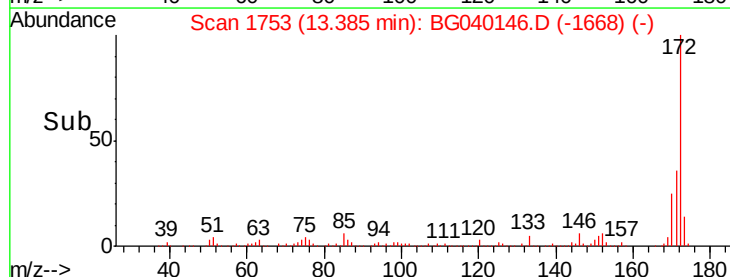
170 24.7 20.2 30.4

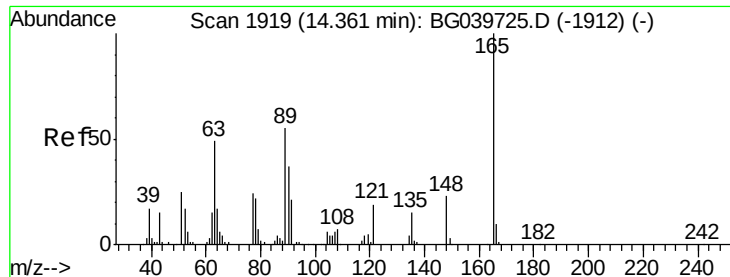


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

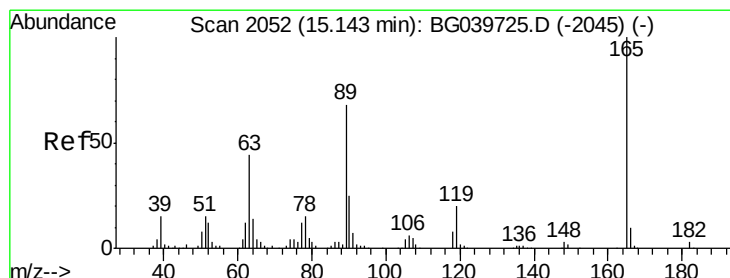
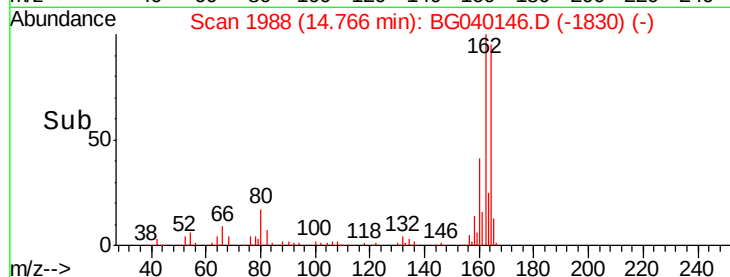
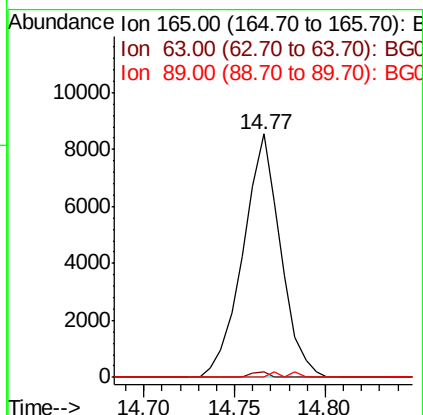
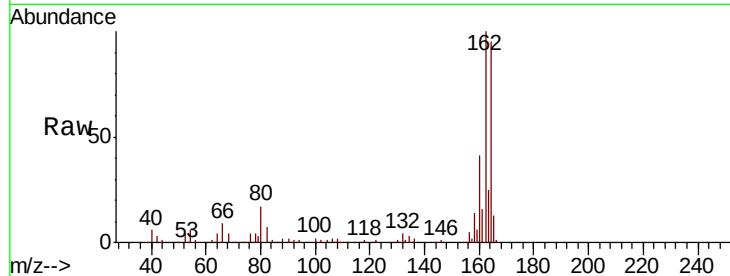




#51
2,6-Dinitrotoluene
Concen: 7.095 ng
RT: 14.77 min Scan# 1988
Delta R.T. 0.40 min
Lab File: BG040146.D
Acq: 26 Mar 2019 11:32

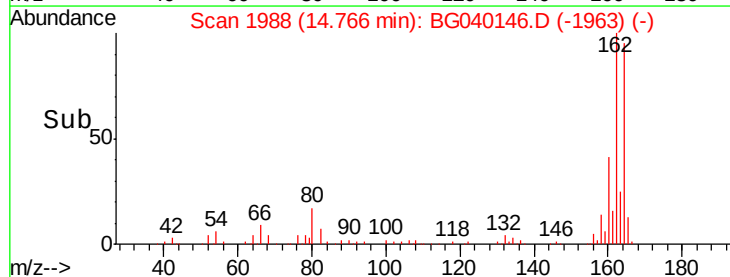
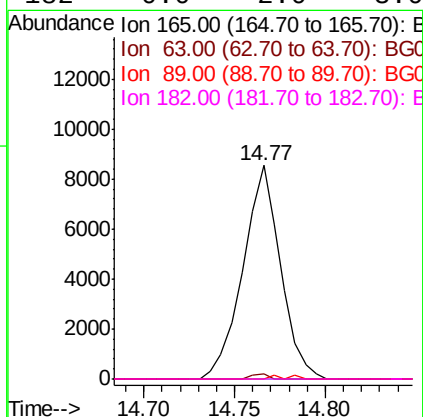
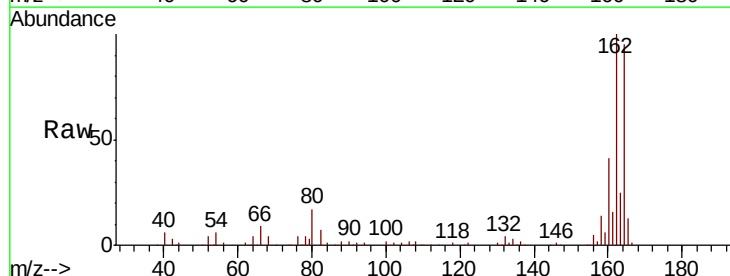
Instrument :
BNA_G
ClientSampled :

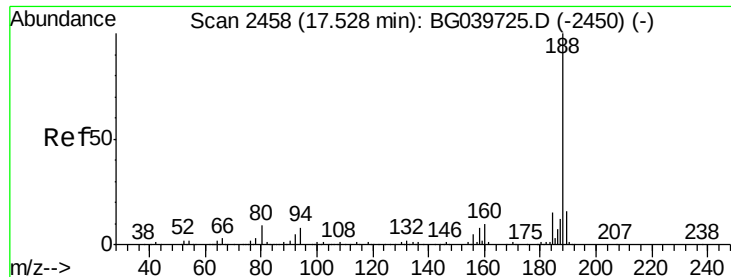
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.2	47.0	70.6#
89	0.0	45.8	68.8#



#57
2,4-Dinitrotoluene
Concen: 5.049 ng
RT: 14.77 min Scan# 1988
Delta R.T. -0.38 min
Lab File: BG040146.D
Acq: 26 Mar 2019 11:32

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.2	41.0	61.6#
89	0.0	64.6	96.8#
182	0.0	2.0	3.0#

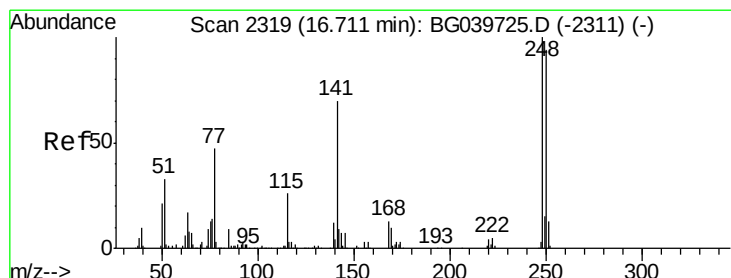
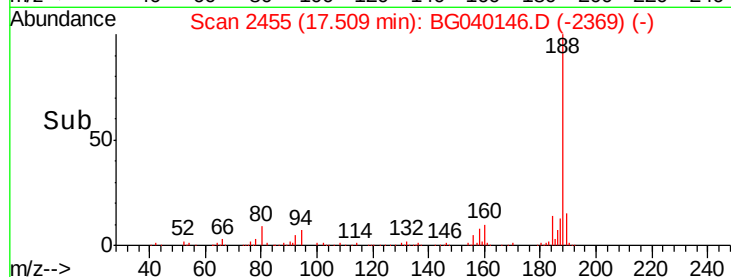
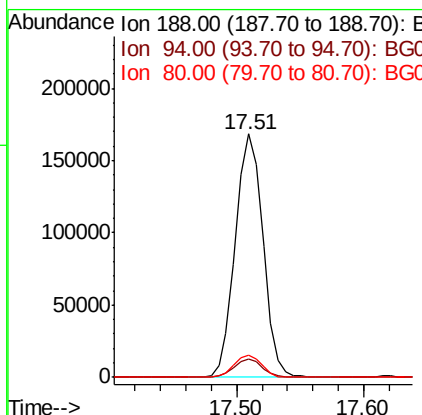
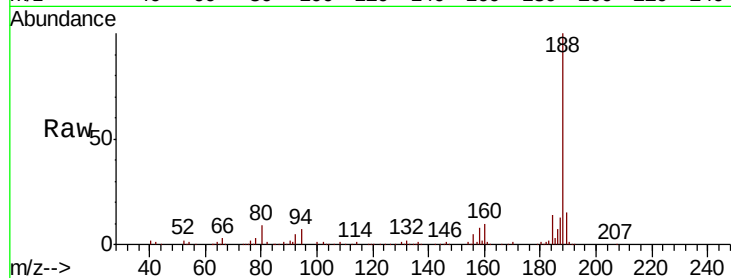




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.51 min Scan# 2455
 Delta R.T. -0.02 min
 Lab File: BG040146.D
 Acq: 26 Mar 2019 11:32

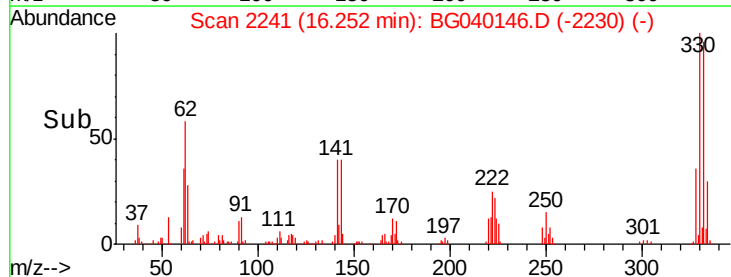
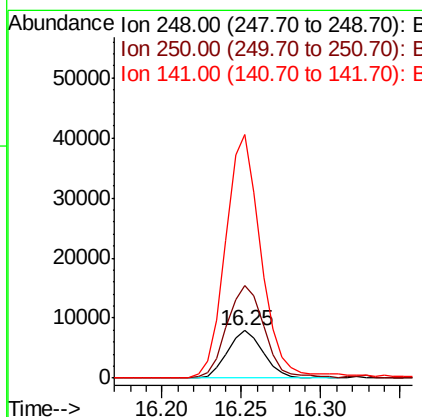
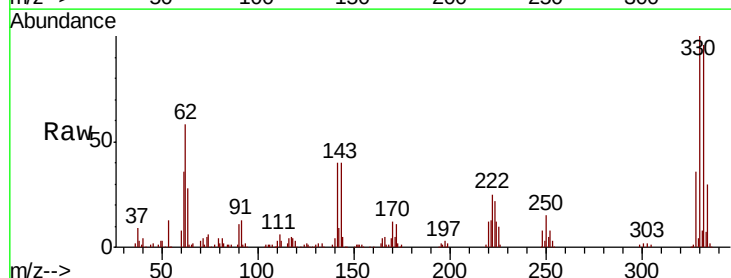
Instrument :
 BNA_G
 ClientSampleId :

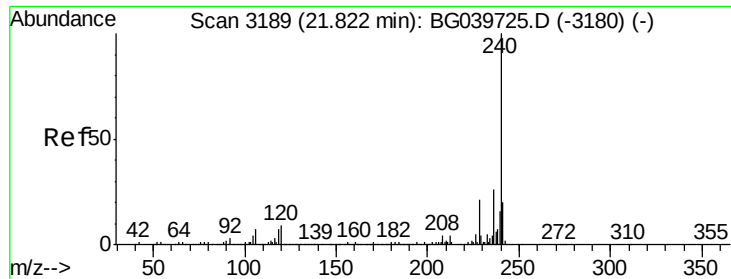
Tot Ion:188 Resp: 255381
 Ion Ratio Lower Upper
 188 100
 94 7.4 6.9 10.3
 80 9.1 8.1 12.1



#67
 4-Bromophenyl-phenylether
 Concen: 4.311 ng
 RT: 16.25 min Scan# 2241
 Delta R.T. -0.47 min
 Lab File: BG040146.D
 Acq: 26 Mar 2019 11:32

Tgt Ion:248 Resp: 12323
 Ion Ratio Lower Upper
 248 100
 250 195.3 77.6 116.4#
 141 513.4 63.9 95.9#

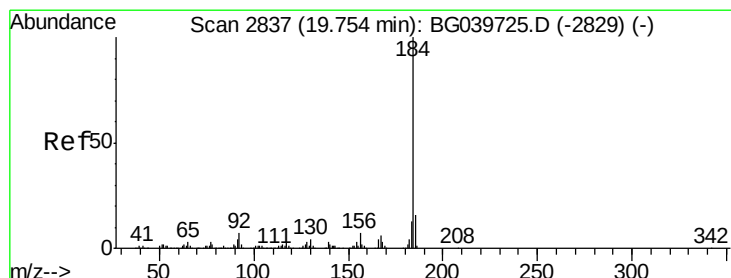
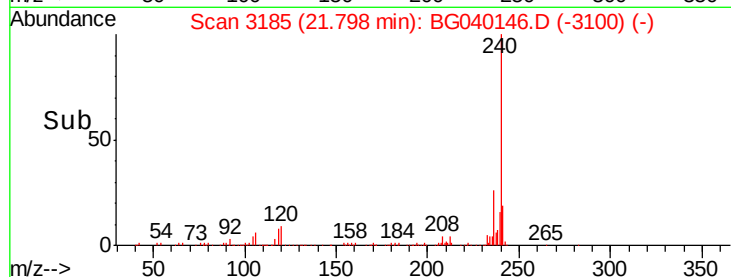
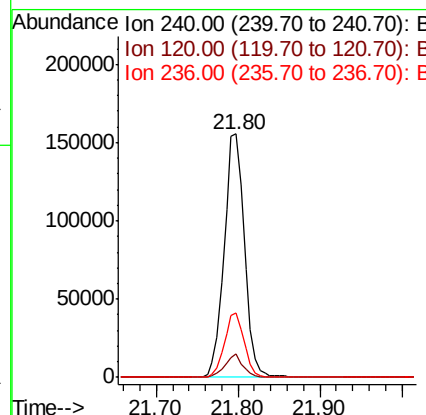
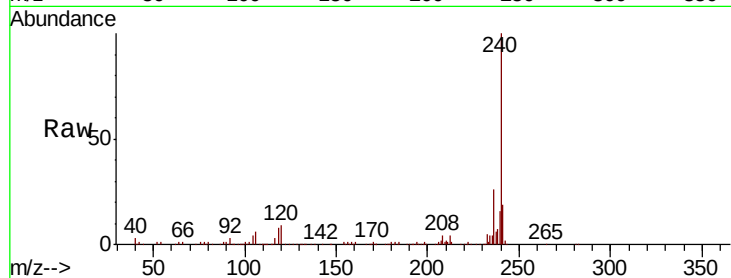




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3185
Delta R.T. -0.03 min
Lab File: BG040146.D
Acq: 26 Mar 2019 11:32

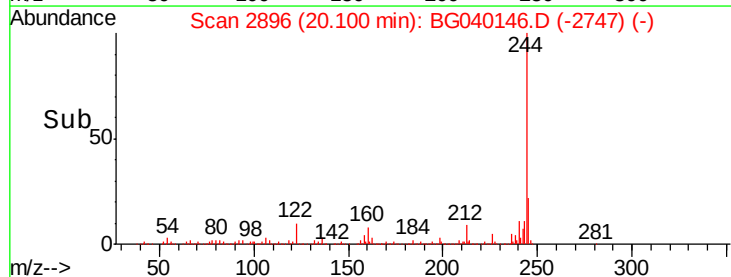
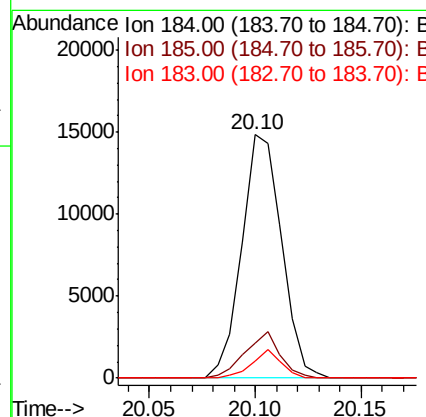
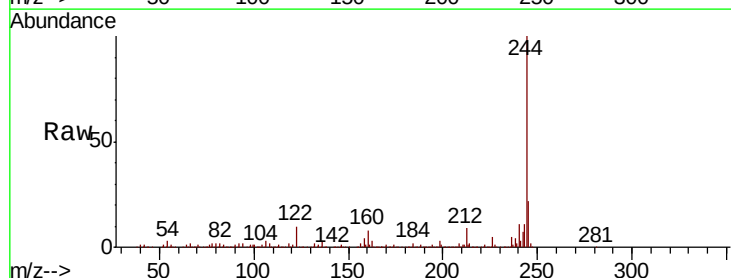
Instrument :
BNA_G
ClientSampleId :

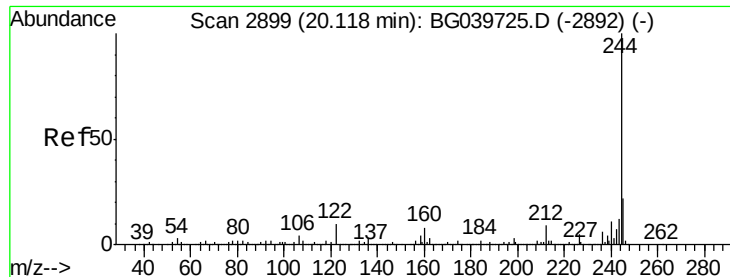
Tot Ion	Ratio	Lower	Upper
240	100		
120	9.4	7.0	10.6
236	26.4	21.0	31.4



#77
Benzidine
Concen: 2.264 ng
RT: 20.10 min Scan# 2896
Delta R.T. 0.35 min
Lab File: BG040146.D
Acq: 26 Mar 2019 11:32

Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.3	12.2	18.2
183	7.2	10.6	15.8#





#79

Terphenyl-d14

Concen: 93.479 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040146.D

Acq: 26 Mar 2019 11:32

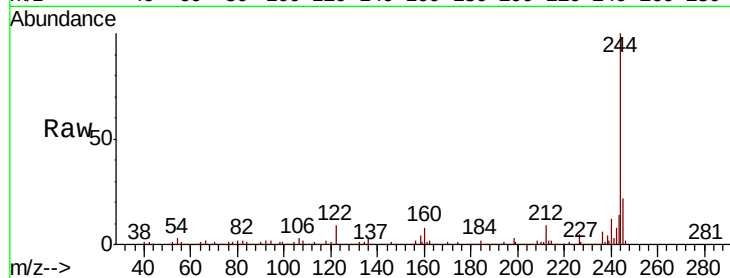
Instrument :

BNA_G

ClientSampled :

Tot Ion:244 Resp: 1145488

Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.3	10.9
122	9.1	8.4	12.6

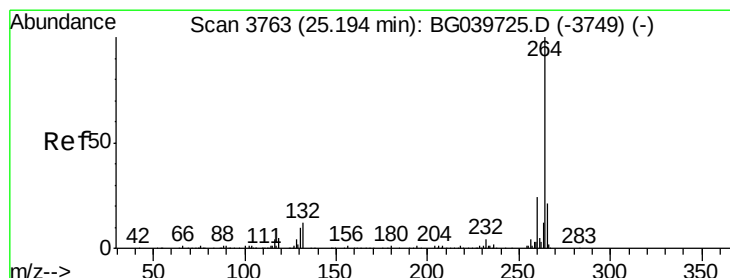
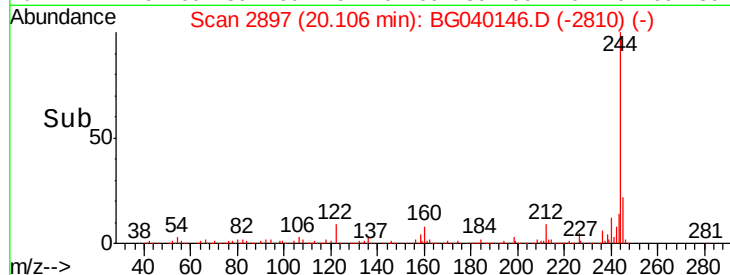
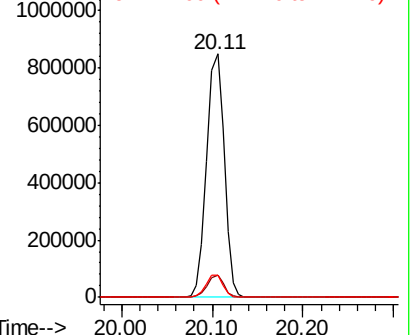


Abundance

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: 25.15 min Scan# 3756

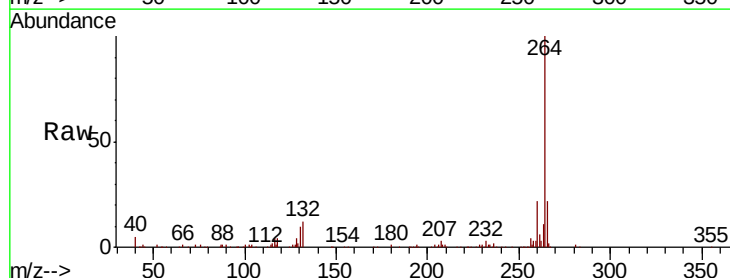
Delta R.T. -0.05 min

Lab File: BG040146.D

Acq: 26 Mar 2019 11:32

Tgt Ion:264 Resp: 263029

Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.2	27.4
265	22.3	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

