

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032619\
 Data File : BG040170.D
 Acq On : 27 Mar 2019 6:21
 Operator : JU/SJ
 Sample : K2081-15
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 27 13:44:10 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

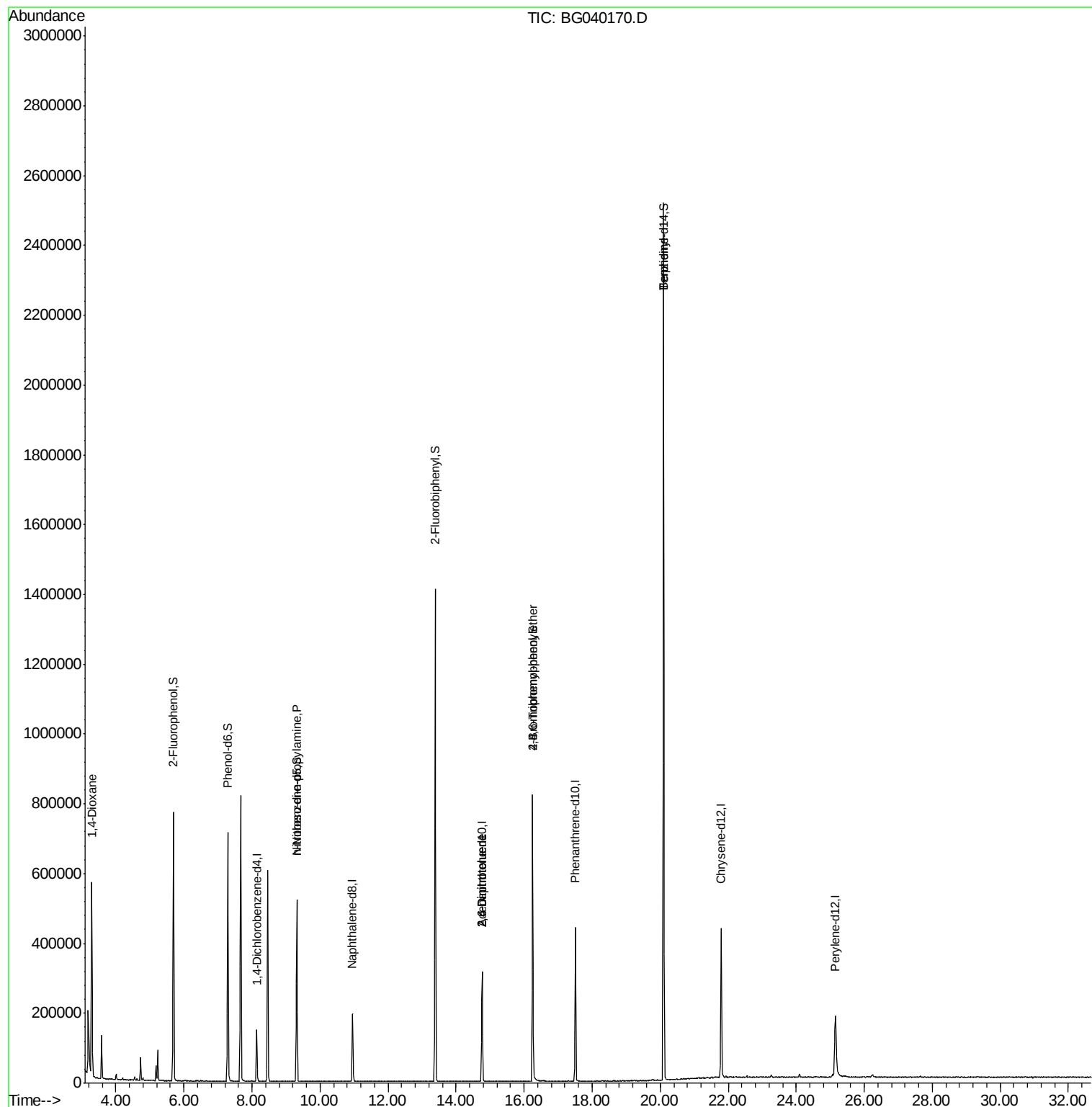
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	42146	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	174218	20.00	ng	-0.03
39) Acenaphthene-d10	14.76	164	113149	20.00	ng	-0.03
64) Phenanthrene-d10	17.51	188	274457	20.00	ng	-0.02
76) Chrysene-d12	21.79	240	279681	20.00	ng	-0.04
87) Perylene-d12	25.16	264	249931	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	322137	130.40	ng	-0.02
7) Phenol-d6	7.29	99	418546	113.62	ng	-0.02
23) Nitrobenzene-d5	9.31	82	309405	96.05	ng	-0.03
42) 2,4,6-Tribromophenol	16.25	330	151883	115.16	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	742778	93.47	ng	-0.03
79) Terphenyl-d14	20.10	244	1179114	92.83	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.29	88	5481	4.806	ng	# 1
19) n-Nitroso-di-n-propylamine	9.31	70	41672	15.717	ng	# 68
51) 2,6-Dinitrotoluene	14.76	165	15067	7.512	ng	# 23
57) 2,4-Dinitrotoluene	14.76	165	15067	5.346	ng	# 19
67) 4-Bromophenyl-phenylether	16.25	248	11570	3.766	ng	# 1
77) Benzidine	20.10	184	20622	2.324	ng	# 96

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032619\
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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Mar 27 13:44:10 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.14 min Scan# 860

Delta R.T. -0.03 min

Lab File: BG040170.D

Acq: 27 Mar 2019 6:21

Instrument :

BNA_G

ClientSampled :

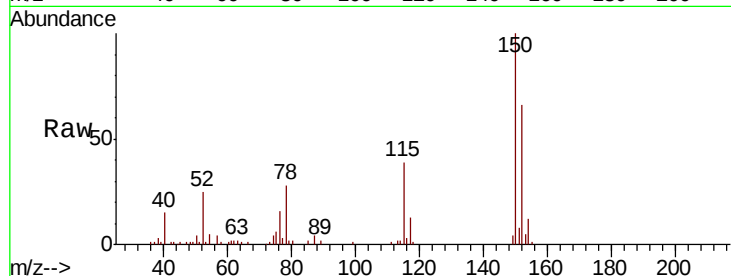
Tot Ion:152 Resp: 42146

Ion Ratio Lower Upper

152 100

150 151.4 123.7 185.5

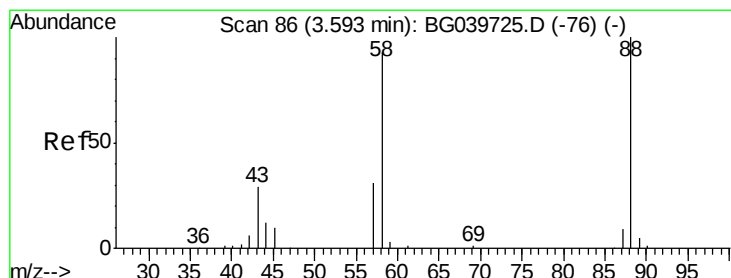
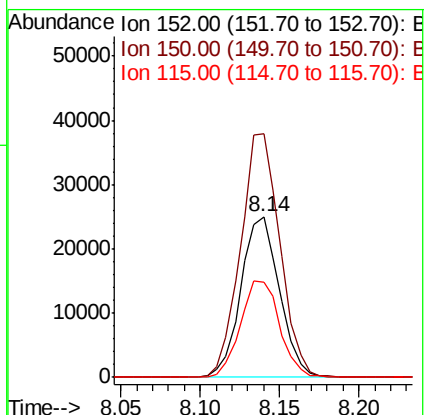
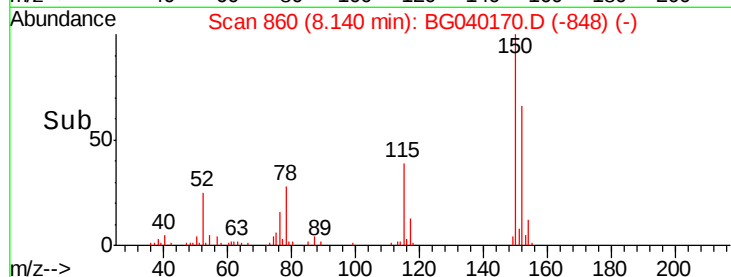
115 59.2 45.9 68.9



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



#2

1,4-Dioxane

Concen: 4.806 ng

RT: 3.29 min Scan# 35

Delta R.T. -0.31 min

Lab File: BG040170.D

Acq: 27 Mar 2019 6:21

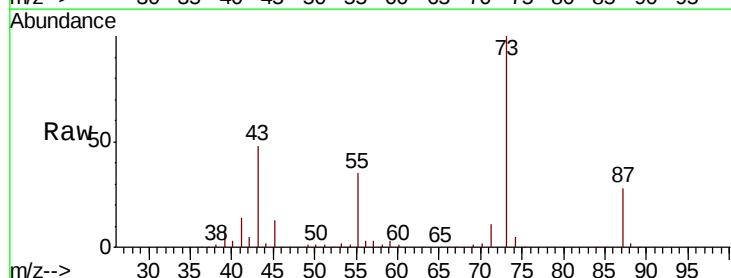
Tgt Ion: 88 Resp: 5481

Ion Ratio Lower Upper

88 100

58 43.5 81.1 121.7#

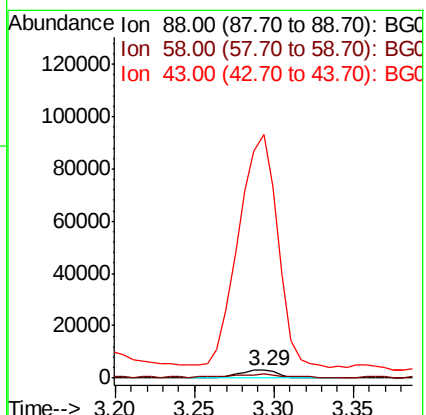
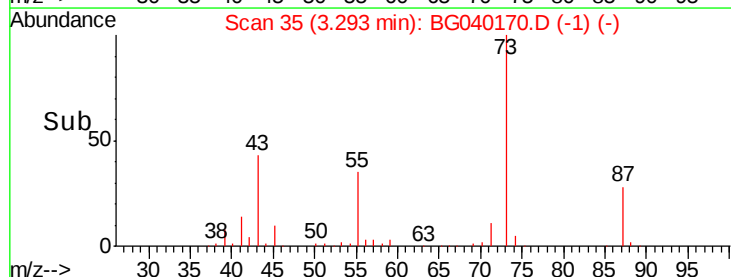
43 2804.3 31.4 47.0#

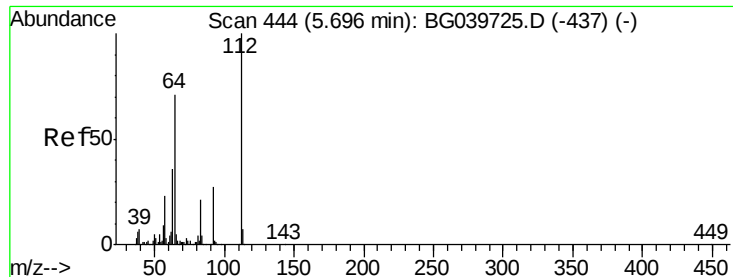


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 130.396 ng

RT: 5.69 min Scan# 443

Delta R.T. -0.02 min

Lab File: BG040170.D

Acq: 27 Mar 2019 6:21

Instrument :

BNA_G

ClientSampled :

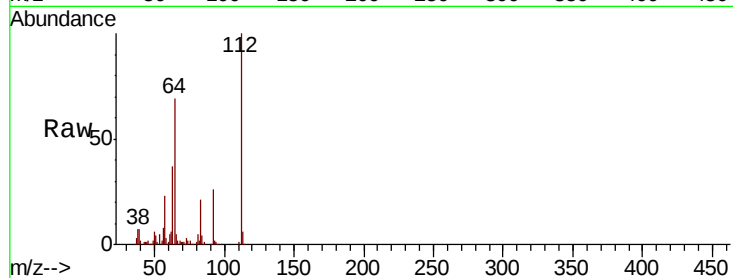
Tot Ion:112 Resp: 322137

Ion Ratio Lower Upper

112 100

64 69.3 57.8 86.8

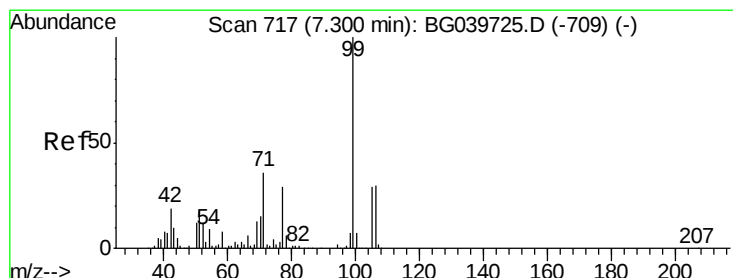
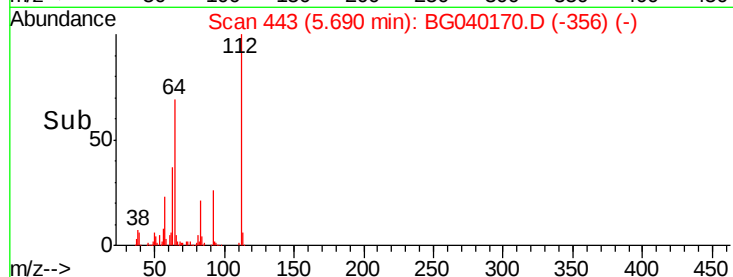
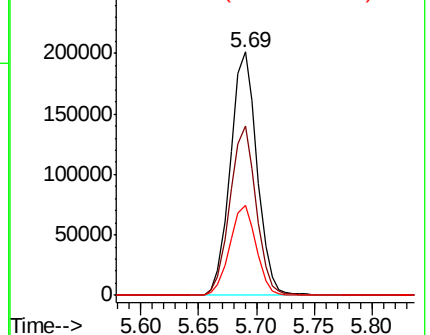
63 36.9 29.8 44.6



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: 113.625 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.02 min

Lab File: BG040170.D

Acq: 27 Mar 2019 6:21

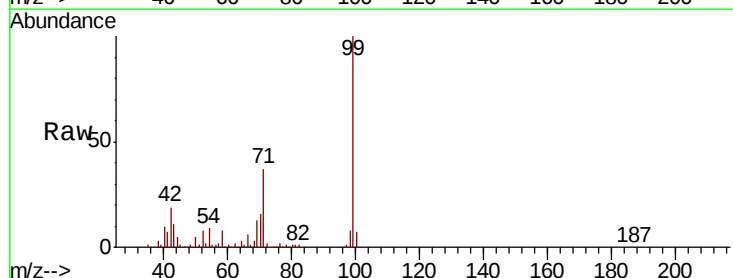
Tgt Ion: 99 Resp: 418546

Ion Ratio Lower Upper

99 100

42 19.4 18.2 27.2

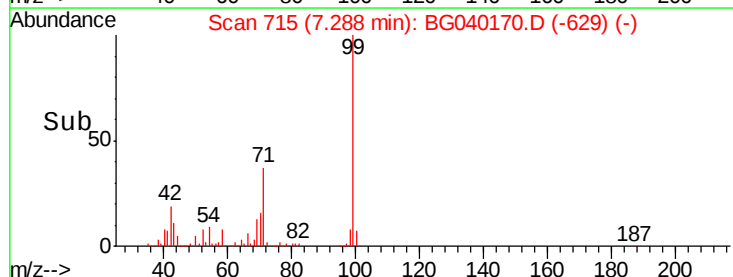
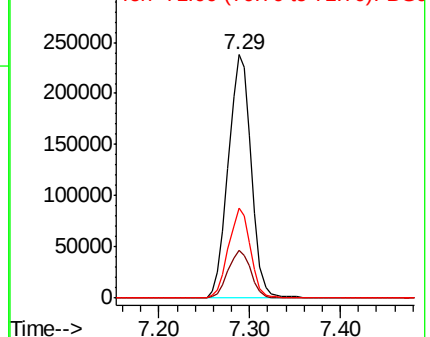
71 36.8 28.0 42.0

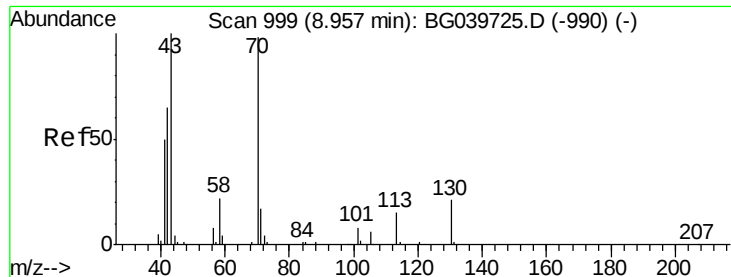


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

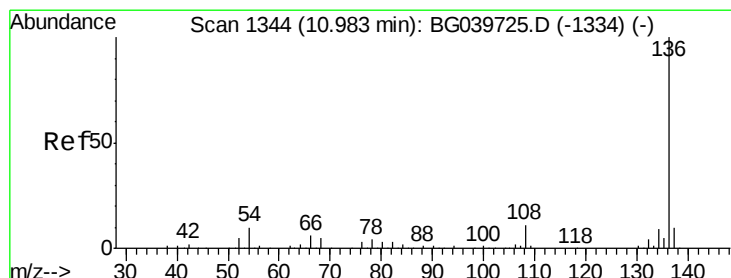
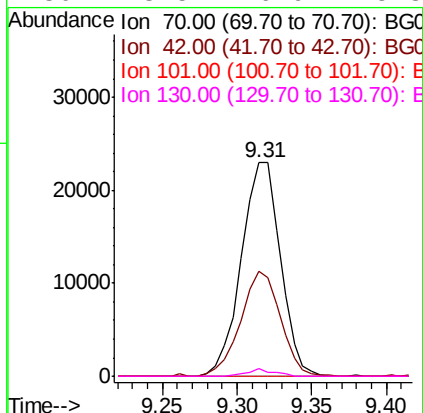
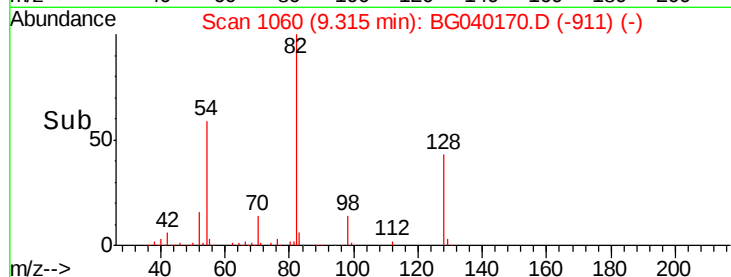
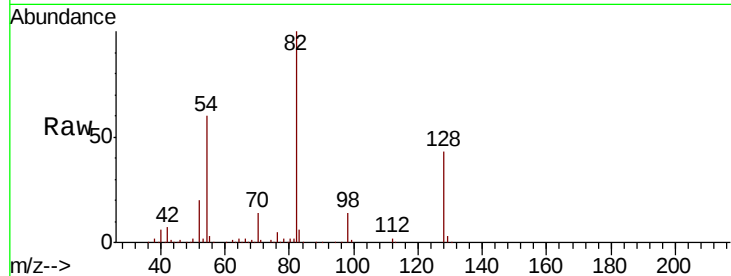




#19
n-Nitroso-di-n-propylamine
Concen: 15.717 ng
RT: 9.31 min Scan# 1060
Delta R.T. 0.35 min
Lab File: BG040170.D
Acq: 27 Mar 2019 6:21

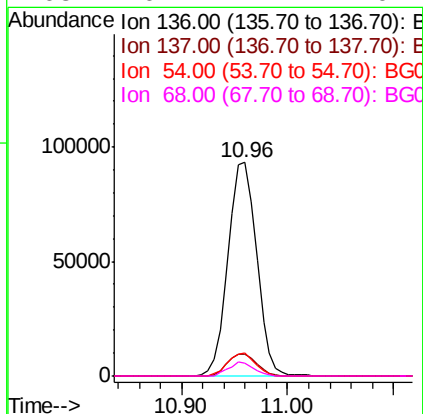
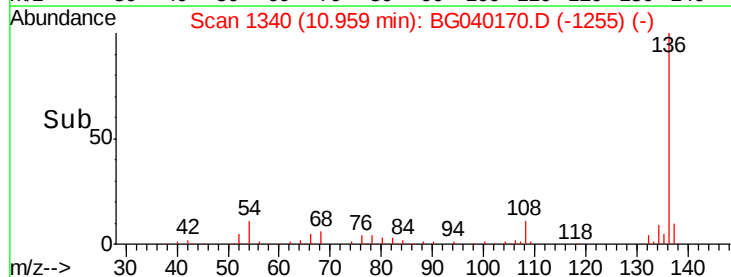
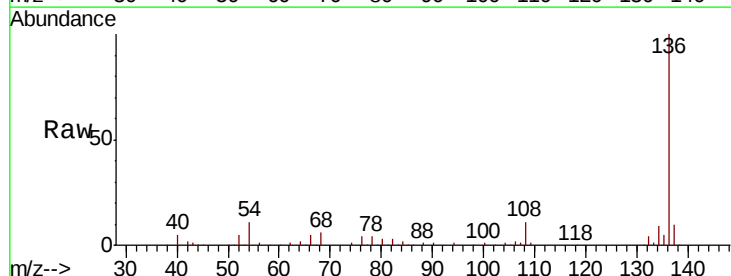
Instrument :
BNA_G
ClientSampleId :

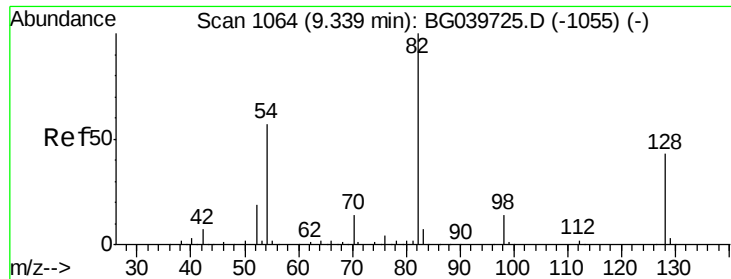
Tot Ion: 70 Resp: 41672
Ion Ratio Lower Upper
70 100
42 49.3 60.4 90.6#
101 0.0 7.5 11.3#
130 3.5 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.03 min
Lab File: BG040170.D
Acq: 27 Mar 2019 6:21

Tgt Ion: 136 Resp: 174218
Ion Ratio Lower Upper
136 100
137 10.3 9.1 13.7
54 10.6 9.4 14.2
68 6.2 4.2 6.4

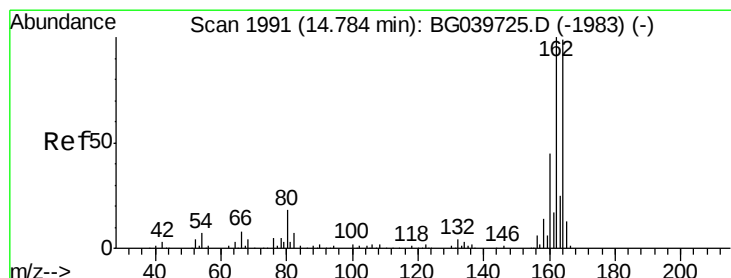
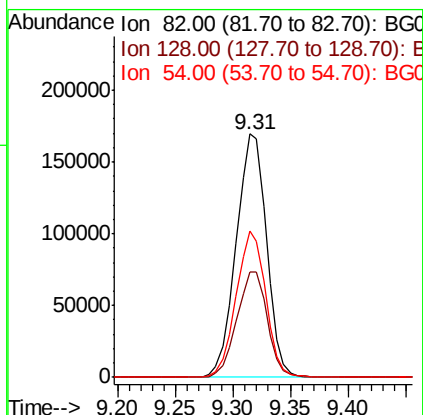
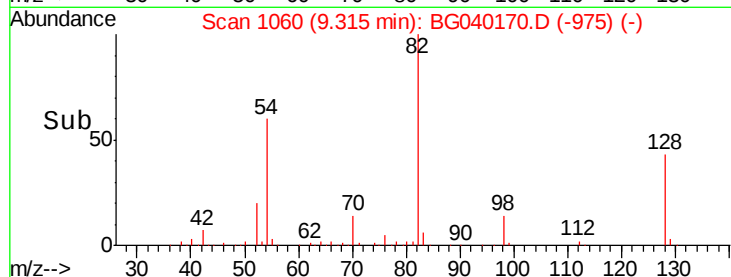
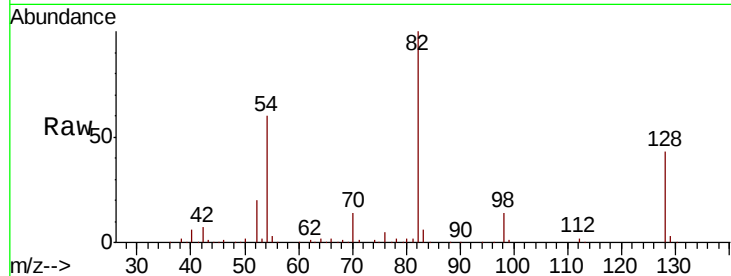




#23
Nitrobenzene-d5
Concen: 96.051 ng
RT: 9.31 min Scan# 1060
Delta R.T. -0.03 min
Lab File: BG040170.D
Acq: 27 Mar 2019 6:21

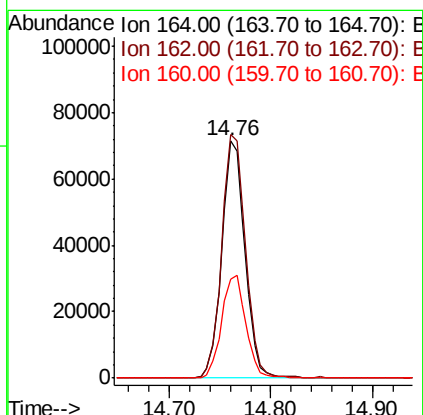
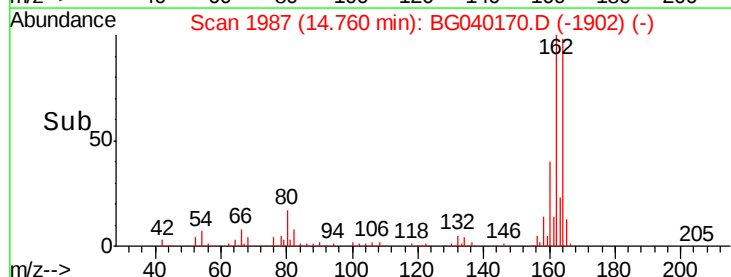
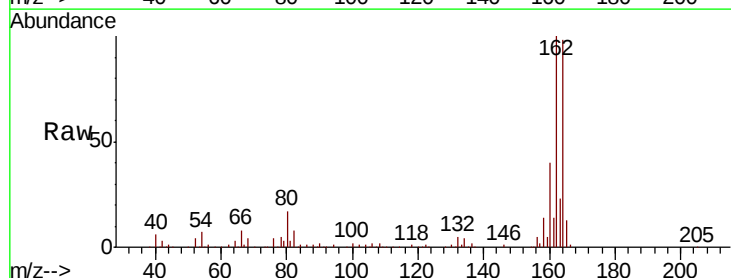
Instrument :
BNA_G
ClientSampled :

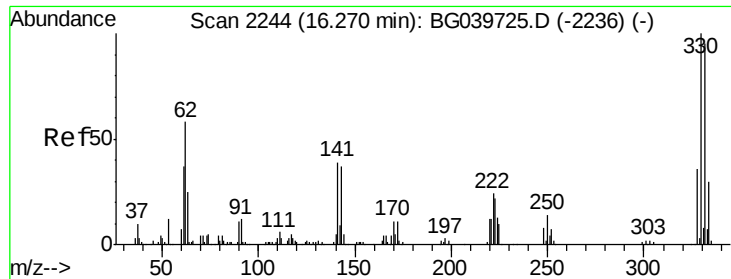
Tot Ion: 82 Resp: 309405
Ion Ratio Lower Upper
82 100
128 43.3 31.3 46.9
54 59.9 50.9 76.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.76 min Scan# 1987
Delta R.T. -0.03 min
Lab File: BG040170.D
Acq: 27 Mar 2019 6:21

Tgt Ion:164 Resp: 113149
Ion Ratio Lower Upper
164 100
162 102.4 81.6 122.4
160 41.5 34.2 51.2

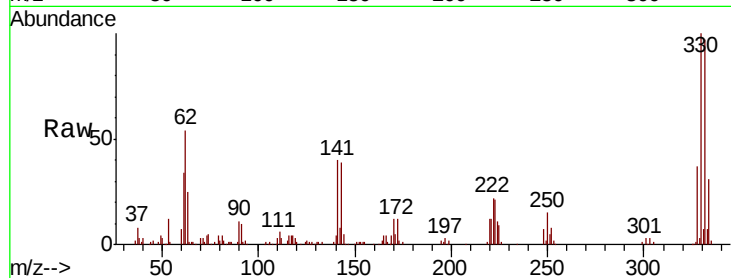




#42
 2,4,6-Tribromophenol
 Concen: 115.165 ng
 RT: 16.25 min Scan# 2241
 Delta R.T. -0.02 min
 Lab File: BG040170.D
 Acq: 27 Mar 2019 6:21

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	330	332	141
Resp:	151883		
Ion Ratio	100	96.2	41.5
Lower		75.7	35.6
Upper		113.5	53.4

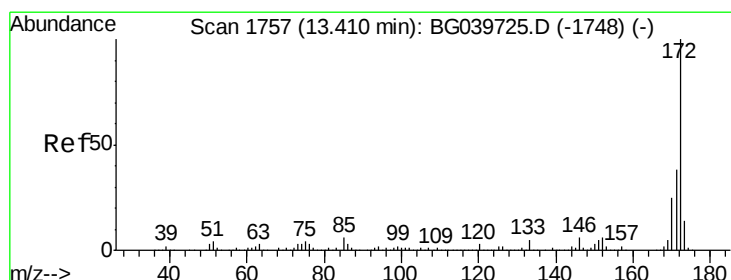
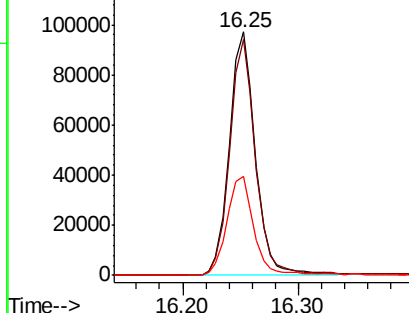
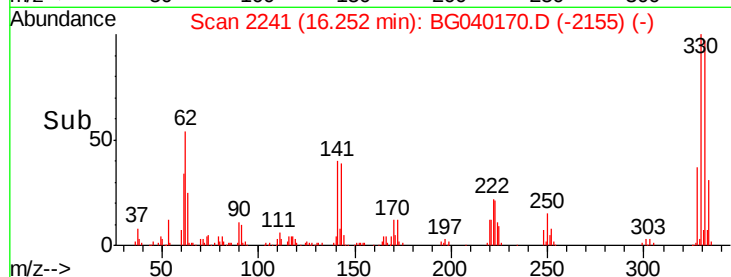


Abundance

Ion 329.80 (329.50 to 330.50): E

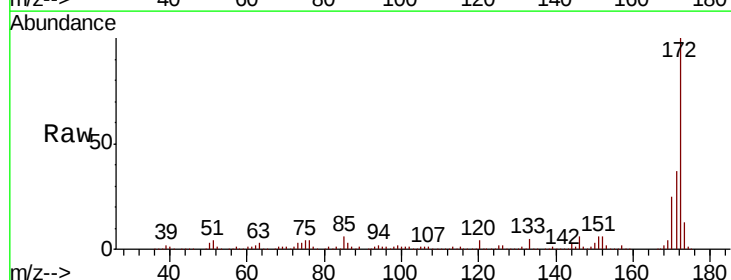
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 93.469 ng
 RT: 13.39 min Scan# 1753
 Delta R.T. -0.03 min
 Lab File: BG040170.D
 Acq: 27 Mar 2019 6:21

Tgt Ion	172	171	170
Resp:	742778		
Ion Ratio	100	37.5	25.1
Lower		30.8	20.2
Upper		46.2	30.4

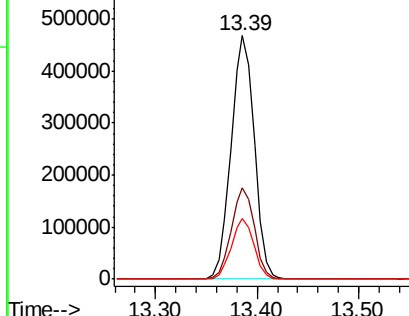
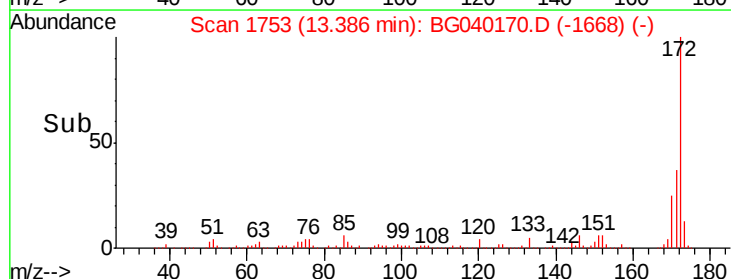


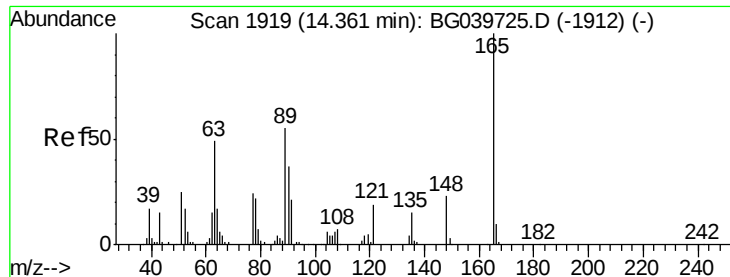
Abundance

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

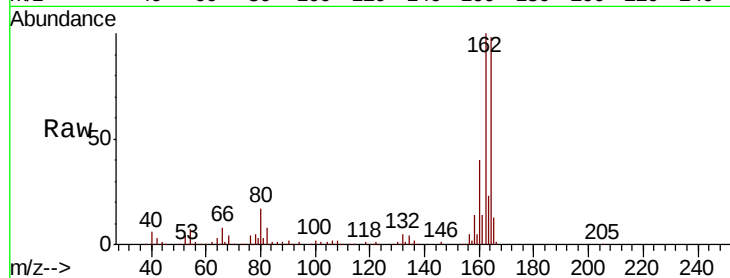




#51
2,6-Dinitrotoluene
Concen: 7.512 ng
RT: 14.76 min Scan# 1987
Delta R.T. 0.39 min
Lab File: BG040170.D
Acq: 27 Mar 2019 6:21

Instrument :
BNA_G
ClientSampleId :

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

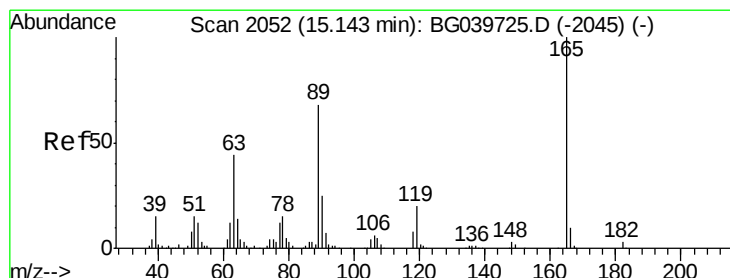
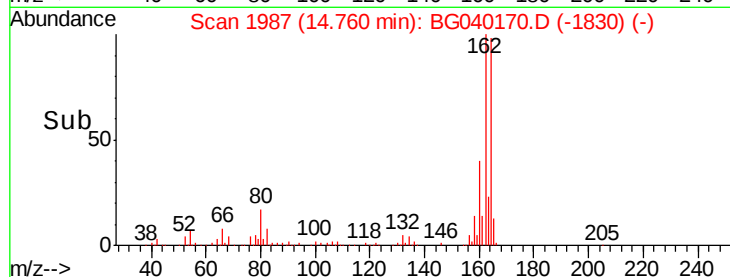
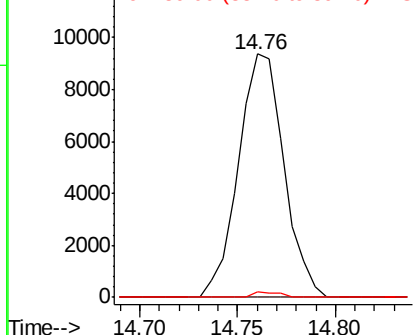


Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG



#57
2,4-Dinitrotoluene
Concen: 5.346 ng
RT: 14.76 min Scan# 1987
Delta R.T. -0.39 min
Lab File: BG040170.D
Acq: 27 Mar 2019 6:21

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

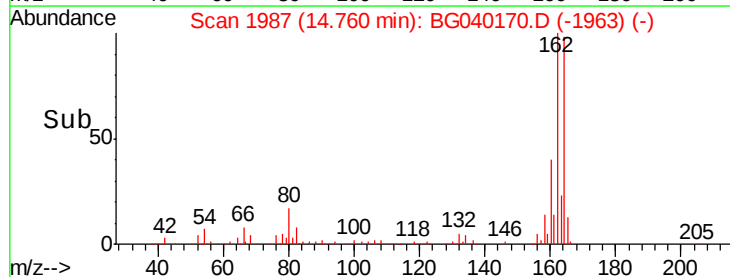
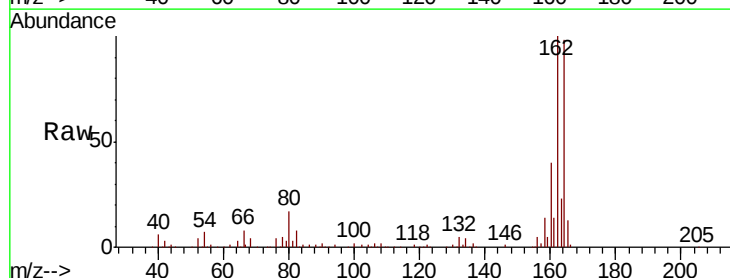
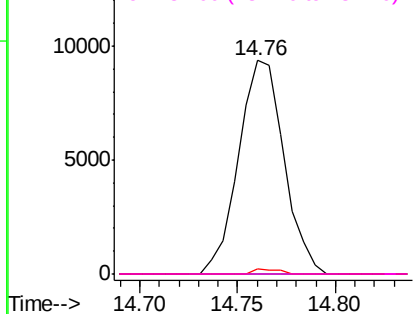
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG

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: BG040170.D

Acq: 27 Mar 2019 6:21

Instrument :

BNA_G

ClientSampleId :

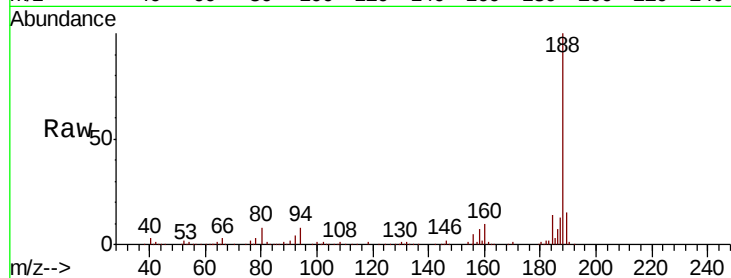
Tot Ion:188 Resp: 274457

Ion Ratio Lower Upper

188 100

94 7.7 6.9 10.3

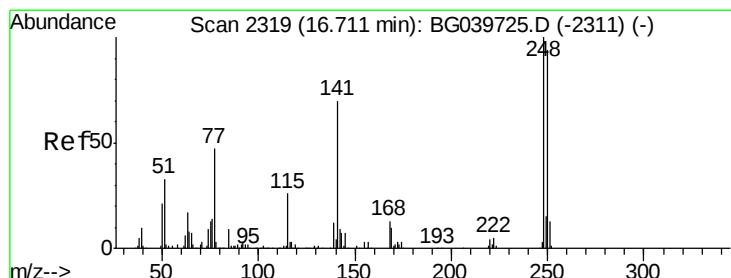
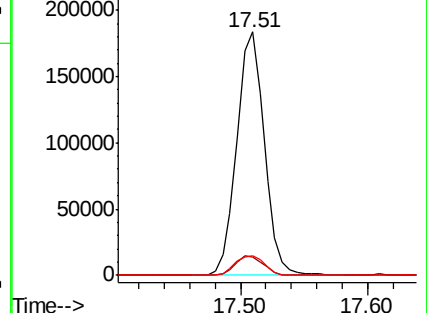
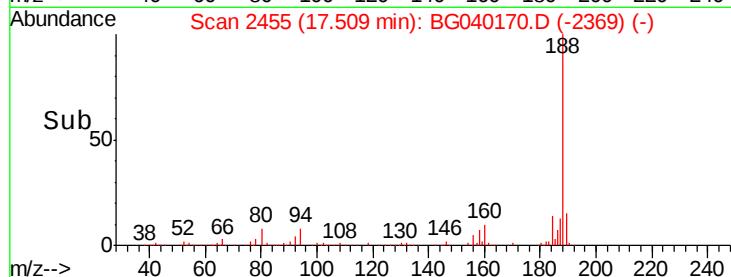
80 8.0 8.1 12.1#



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



#67

4-Bromophenyl-phenylether

Concen: 3.766 ng

RT: 16.25 min Scan# 2240

Delta R.T. -0.47 min

Lab File: BG040170.D

Acq: 27 Mar 2019 6:21

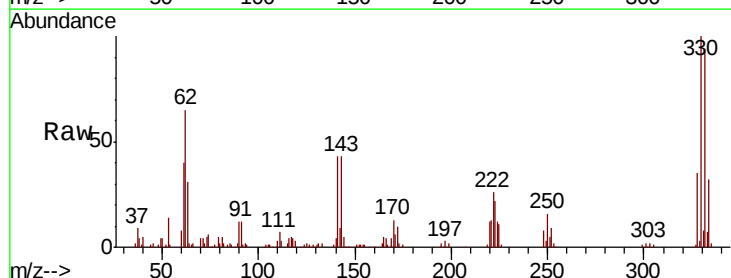
Tgt Ion:248 Resp: 11570

Ion Ratio Lower Upper

248 100

250 187.2 77.6 116.4#

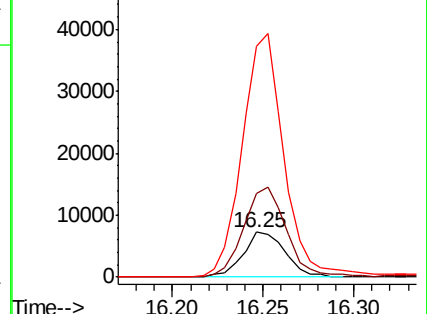
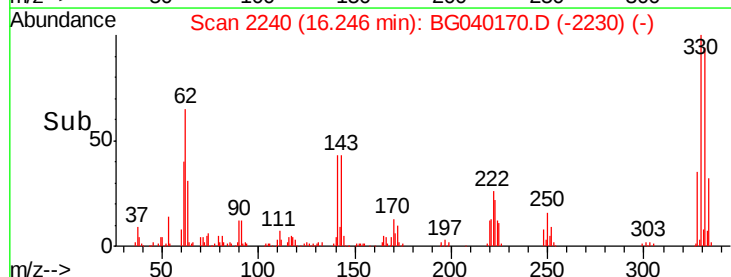
141 514.7 63.9 95.9#

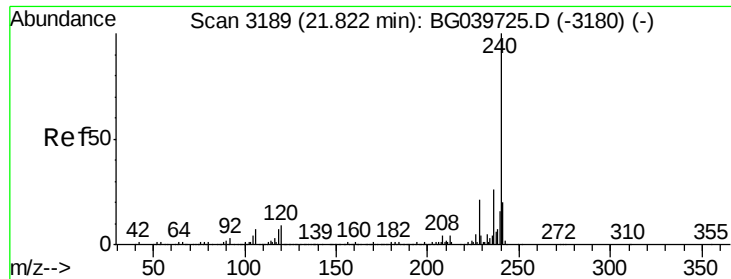


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

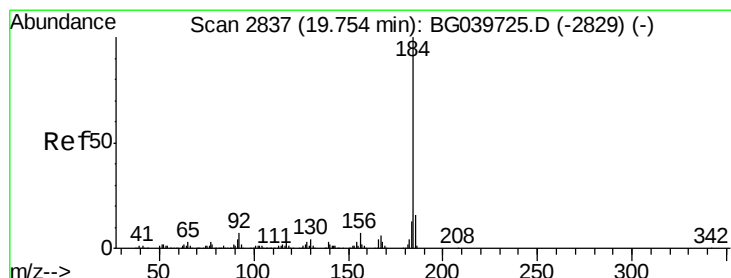
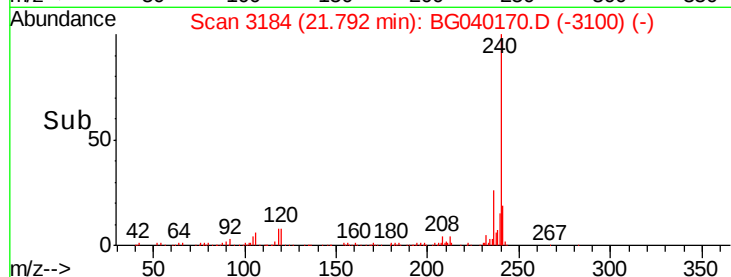
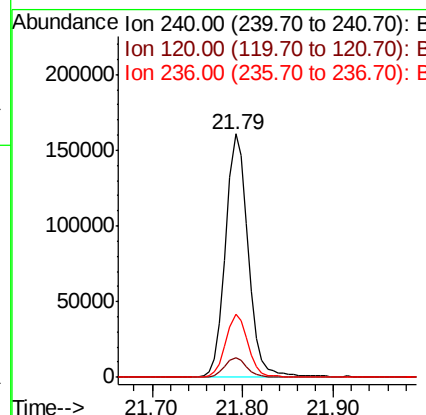
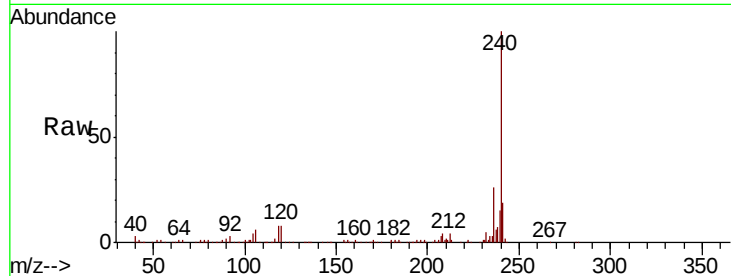




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.79 min Scan# 3184
Delta R.T. -0.04 min
Lab File: BG040170.D
Acq: 27 Mar 2019 6:21

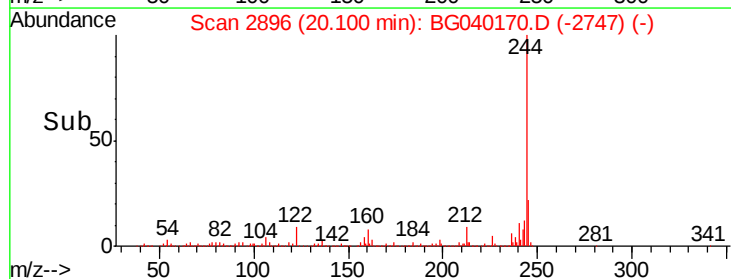
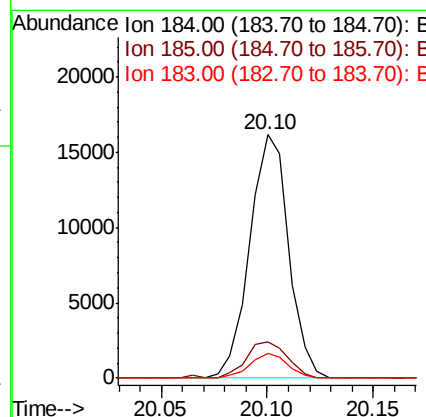
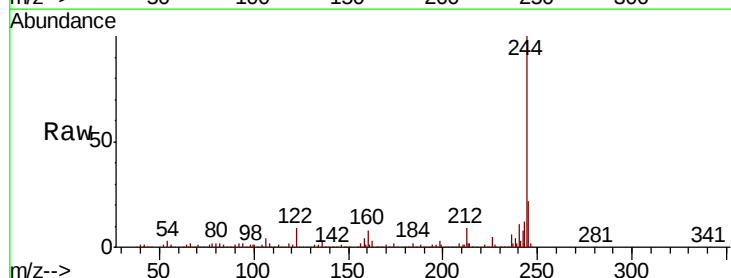
Instrument :
BNA_G
ClientSampleId :

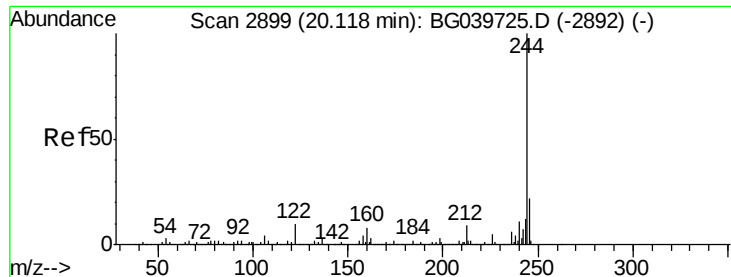
Tot Ion:240 Resp: 279681
Ion Ratio Lower Upper
240 100
120 8.1 7.0 10.6
236 25.7 21.0 31.4



#77
Benzidine
Concen: 2.324 ng
RT: 20.10 min Scan# 2896
Delta R.T. 0.35 min
Lab File: BG040170.D
Acq: 27 Mar 2019 6:21

Tgt Ion:184 Resp: 20622
Ion Ratio Lower Upper
184 100
185 15.1 12.2 18.2
183 10.1 10.6 15.8#





#79

Terphenyl-d14

Concen: 92.826 ng

RT: 20.10 min Scan# 2896

Delta R.T. -0.02 min

Lab File: BG040170.D

Acq: 27 Mar 2019 6:21

Instrument :

BNA_G

ClientSampled :

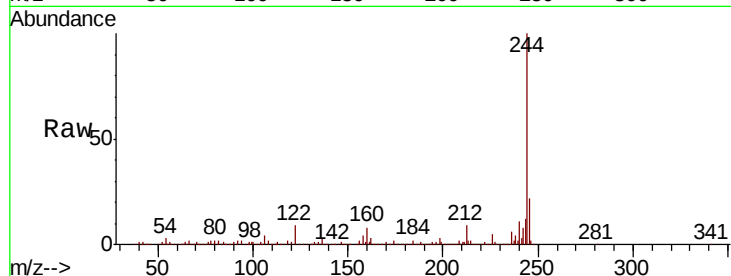
Tot Ion:244 Resp: 1179114

Ion Ratio Lower Upper

244 100

212 9.1 7.3 10.9

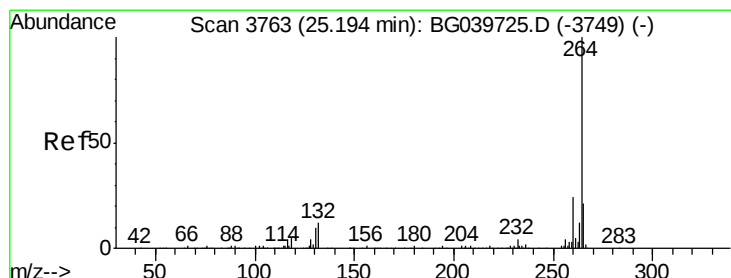
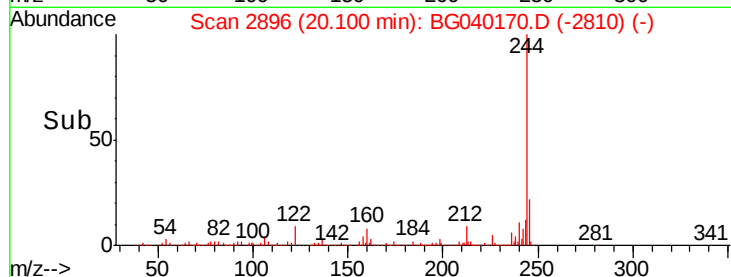
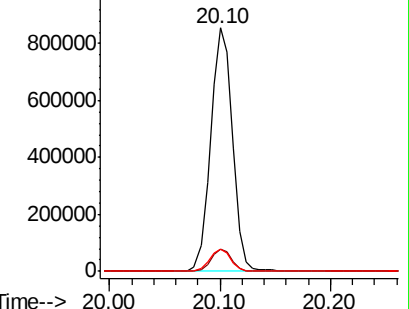
122 9.2 8.4 12.6



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: 25.16 min Scan# 3757

Delta R.T. -0.04 min

Lab File: BG040170.D

Acq: 27 Mar 2019 6:21

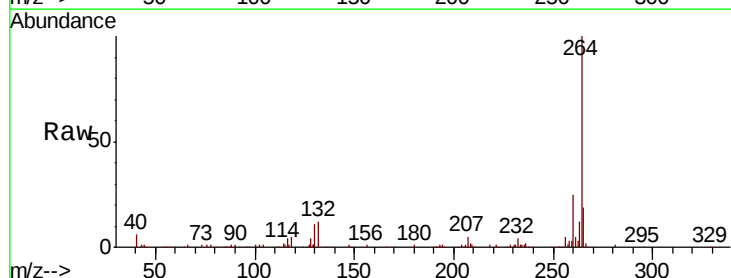
Tgt Ion:264 Resp: 249931

Ion Ratio Lower Upper

264 100

260 24.6 18.2 27.4

265 19.1 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

