

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031819\
 Data File : BG039994.D
 Acq On : 19 Mar 2019 7:05
 Operator : JU/SJ
 Sample : K1921-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 282-346

Quant Time: Mar 19 07:54:28 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

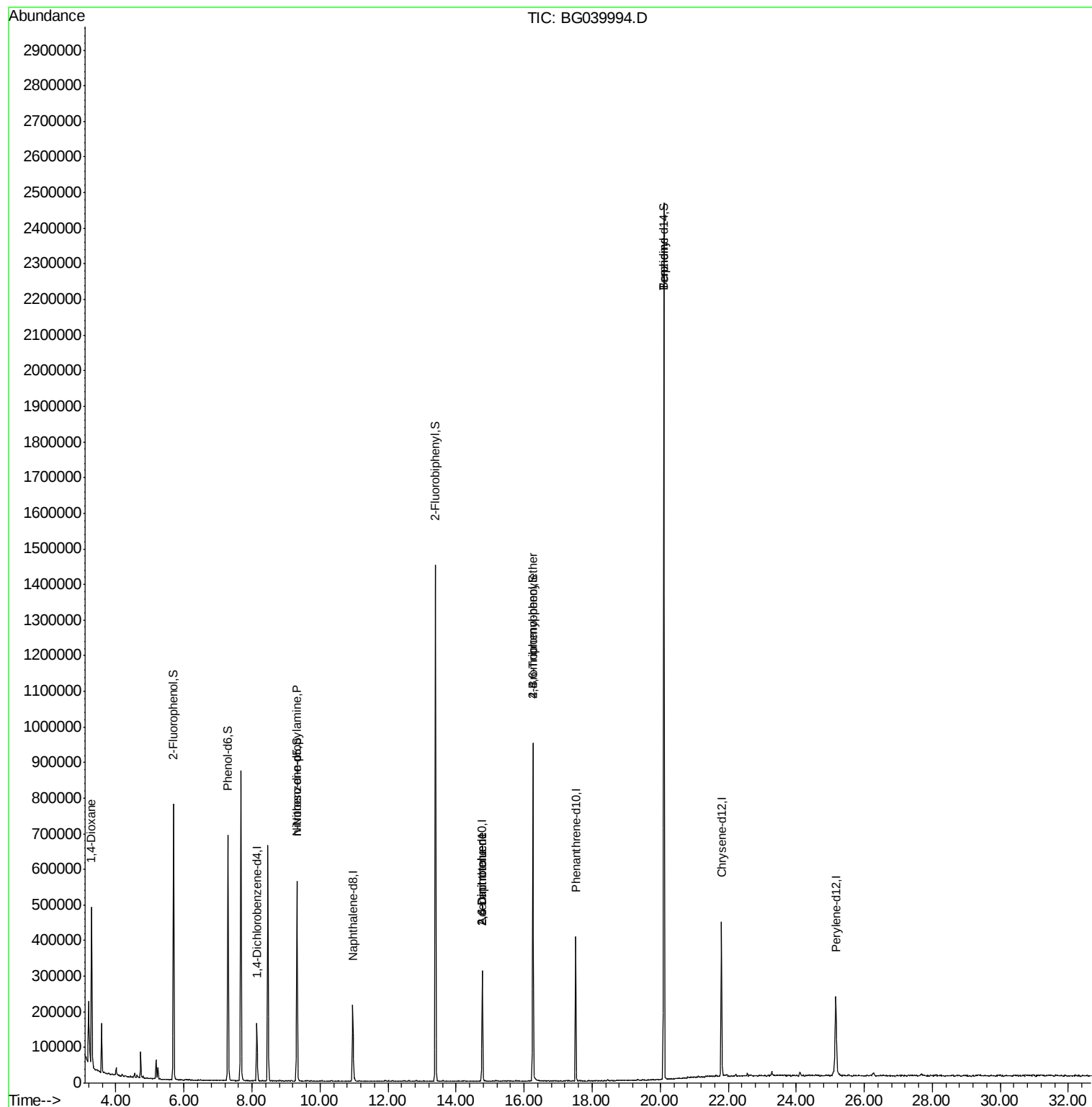
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	43929	20.00	ng	-0.03
21) Naphthalene-d8	10.97	136	175696	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	107159	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	246136	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	277322	20.00	ng	-0.02
87) Perylene-d12	25.16	264	267042	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	313993	121.94	ng	-0.02
7) Phenol-d6	7.29	99	380072	98.99	ng	-0.02
23) Nitrobenzene-d5	9.32	82	331217	101.96	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	164171	131.44	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	749598	99.60	ng	-0.02
79) Terphenyl-d14	20.11	244	1134972	90.11	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	3.28	88	4406	3.706	ng	# 1
19) n-Nitroso-di-n-propylamine	9.32	70	43418	15.711	ng	# 69
51) 2,6-Dinitrotoluene	14.77	165	13865	7.299	ng	# 24
57) 2,4-Dinitrotoluene	14.77	165	13865	5.195	ng	# 19
67) 4-Bromophenyl-phenylether	16.26	248	13025	4.728	ng	# 1
77) Benzidine	20.11	184	20302	2.307	ng	# 93

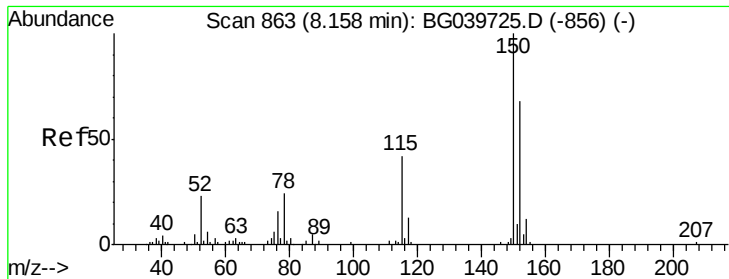
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG039994.D

Acq: 19 Mar 2019 7:05

Instrument :

BNA_G

ClientSampleId :

282-346

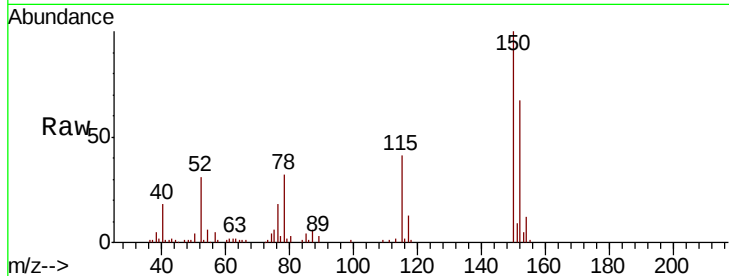
Tgt Ion:152 Resp: 43929

Ion Ratio Lower Upper

152 100

150 150.4 123.7 185.5

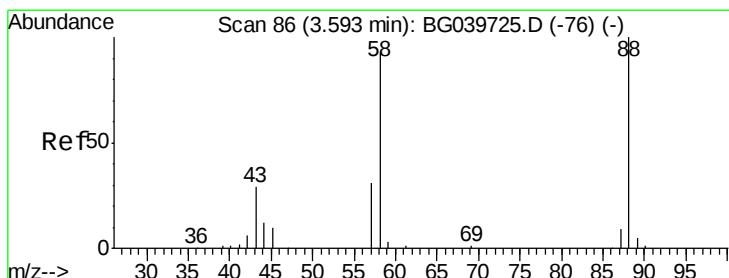
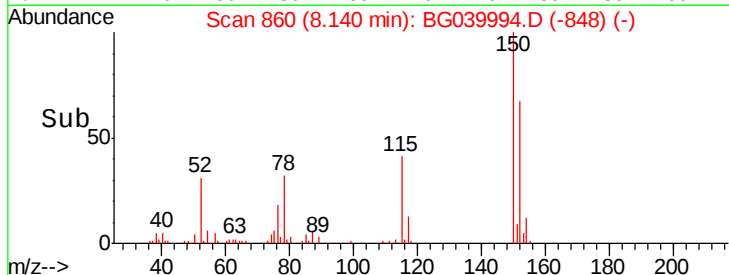
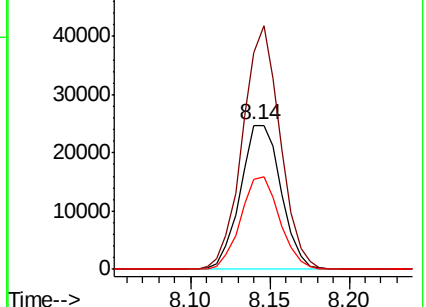
115 62.2 45.9 68.9



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: 3.706 ng

RT: 3.28 min Scan# 33

Delta R.T. -0.32 min

Lab File: BG039994.D

Acq: 19 Mar 2019 7:05

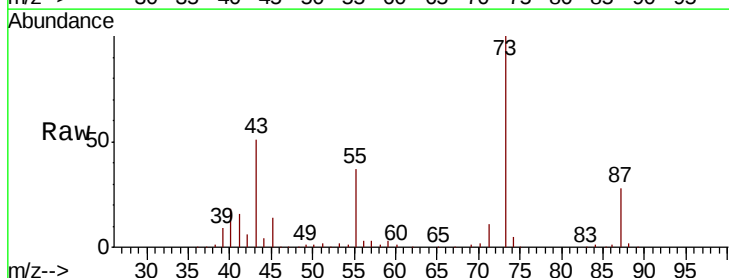
Tgt Ion: 88 Resp: 4406

Ion Ratio Lower Upper

88 100

58 33.3 81.1 121.7#

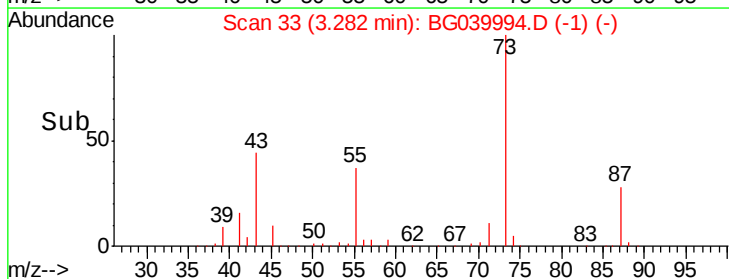
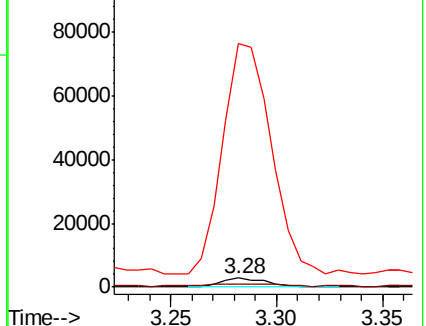
43 2680.9 31.4 47.0#

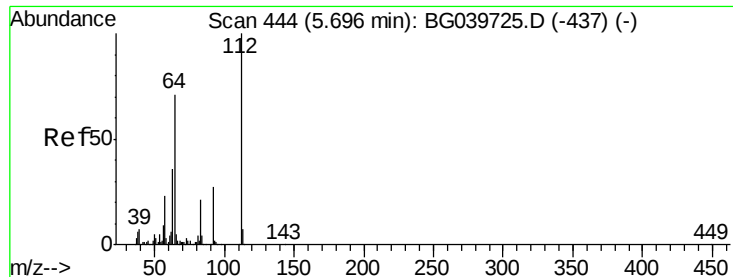


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 121.941 ng

RT: 5.69 min Scan# 443

Delta R.T. -0.02 min

Lab File: BG039994.D

Acq: 19 Mar 2019 7:05

Instrument :

BNA_G

ClientSampleId :

282-346

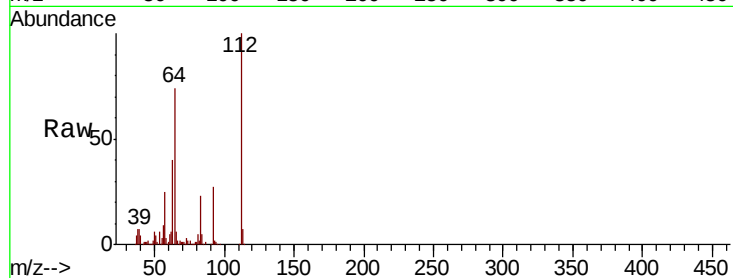
Tgt Ion: 112 Resp: 313993

Ion Ratio Lower Upper

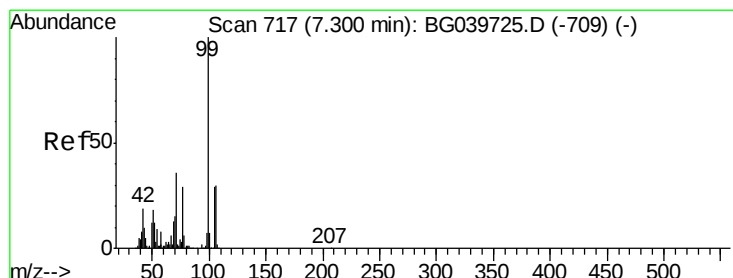
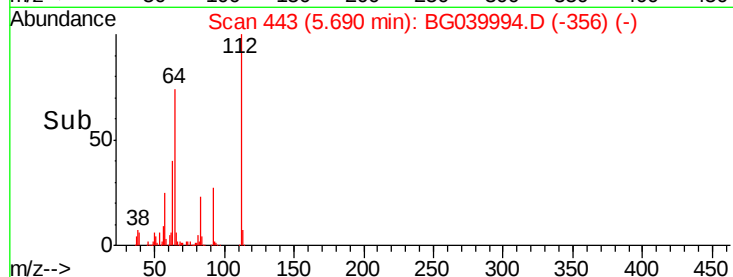
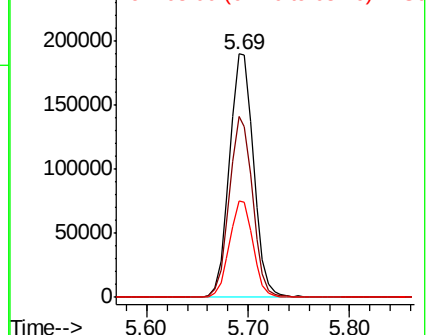
112 100

64 74.4 57.8 86.8

63 39.8 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: 98.992 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG039994.D

Acq: 19 Mar 2019 7:05

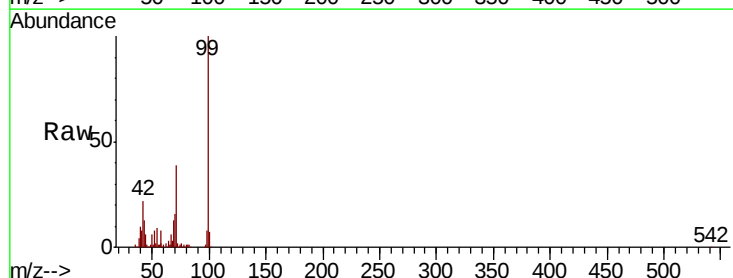
Tgt Ion: 99 Resp: 380072

Ion Ratio Lower Upper

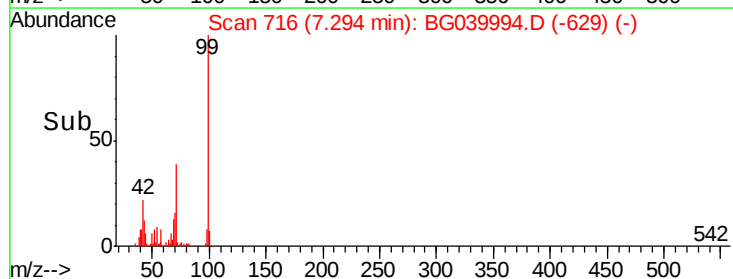
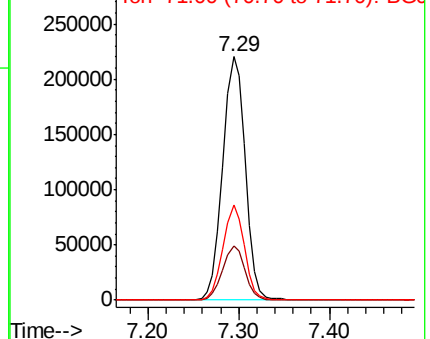
99 100

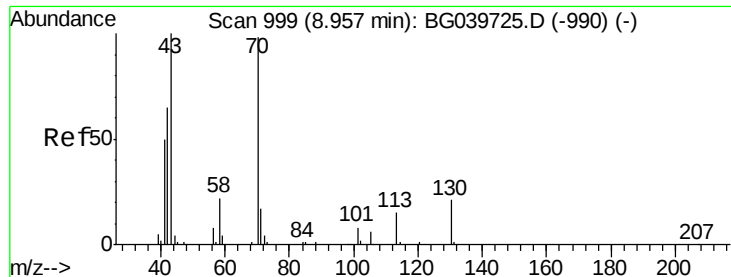
42 22.1 18.2 27.2

71 39.3 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

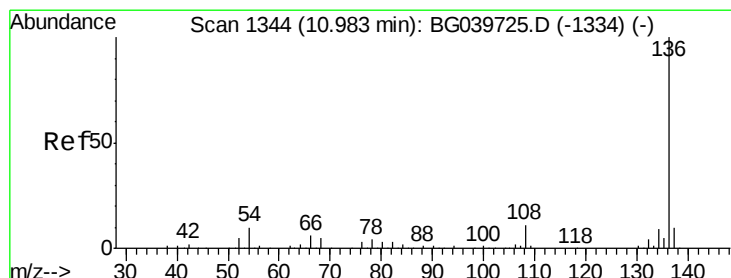
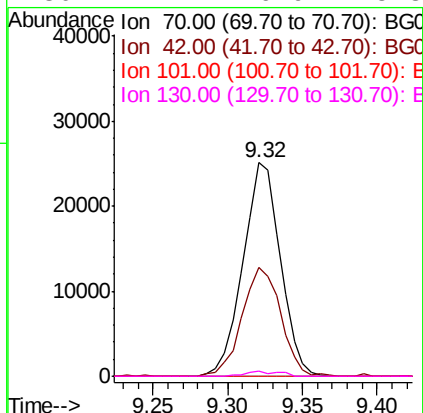
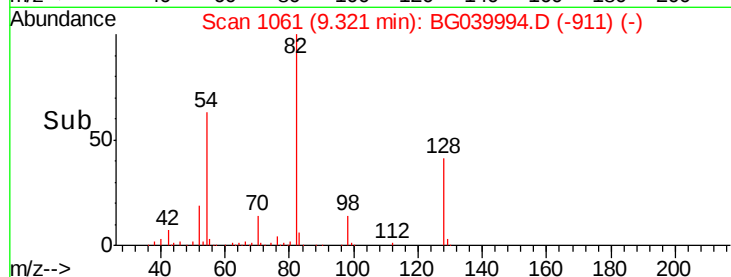
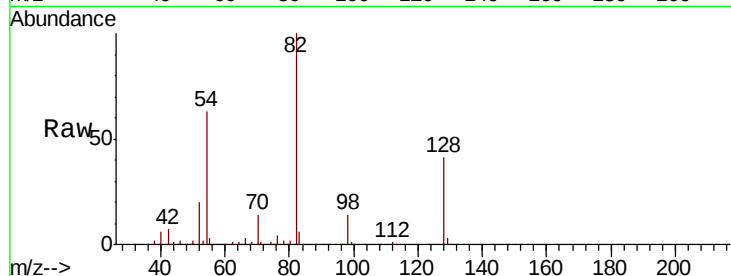




#19
n-Nitroso-di-n-propylamine
Concen: 15.711 ng
RT: 9.32 min Scan# 1061
Delta R.T. 0.35 min
Lab File: BG039994.D
Acq: 19 Mar 2019 7:05

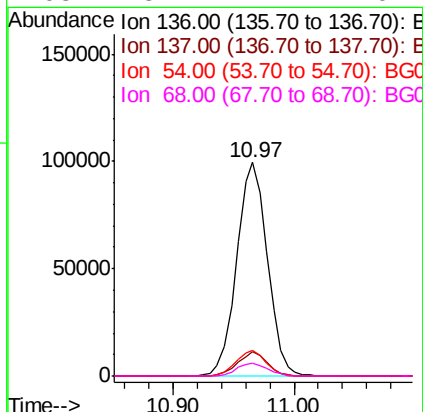
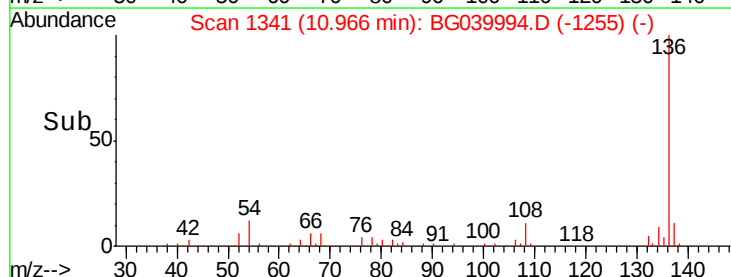
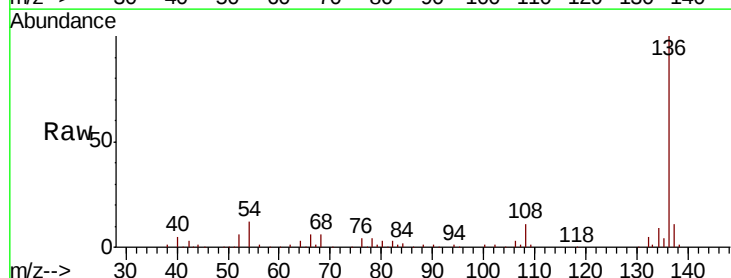
Instrument :
BNA_G
ClientSampleId :
282-346

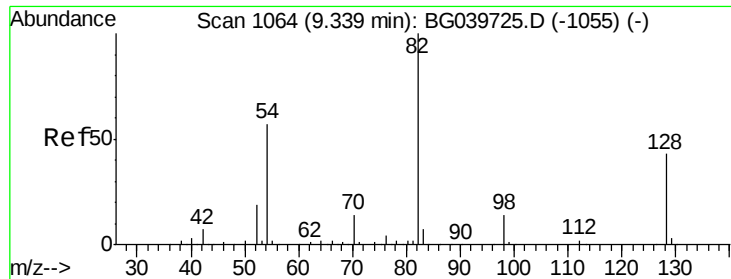
Tgt Ion: 70 Resp: 43418
Ion Ratio Lower Upper
70 100
42 51.1 60.4 90.6#
101 0.0 7.5 11.3#
130 2.2 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG039994.D
Acq: 19 Mar 2019 7:05

Tgt Ion: 136 Resp: 175696
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 11.7 9.4 14.2
68 5.7 4.2 6.4

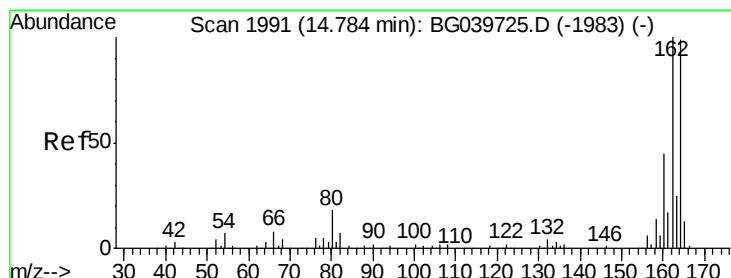
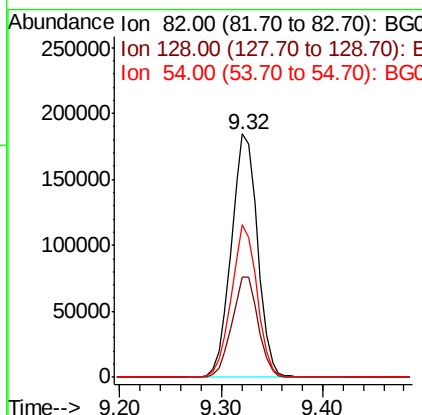
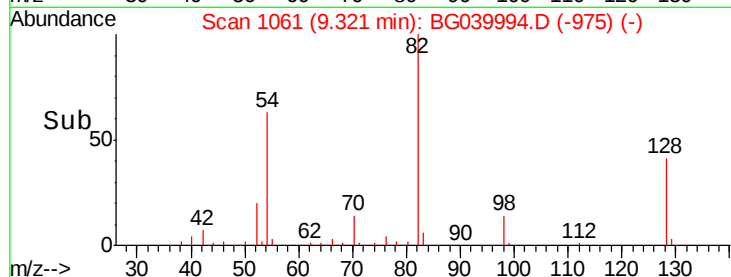
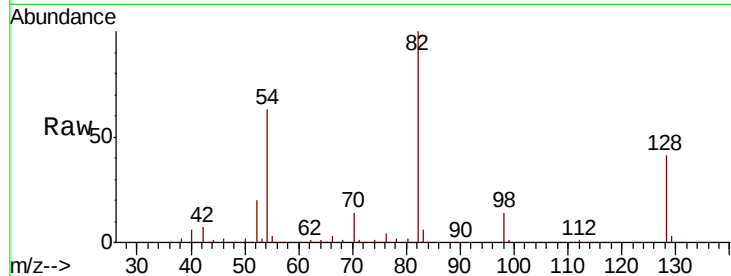




#23
Nitrobenzene-d5
Concen: 101.958 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG039994.D
Acq: 19 Mar 2019 7:05

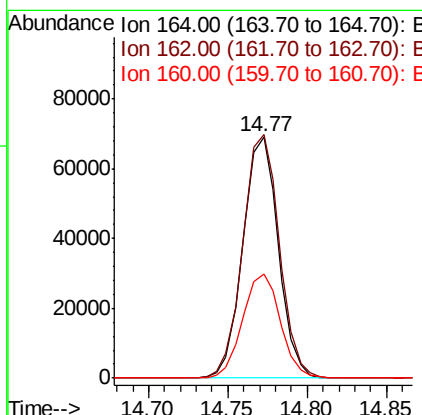
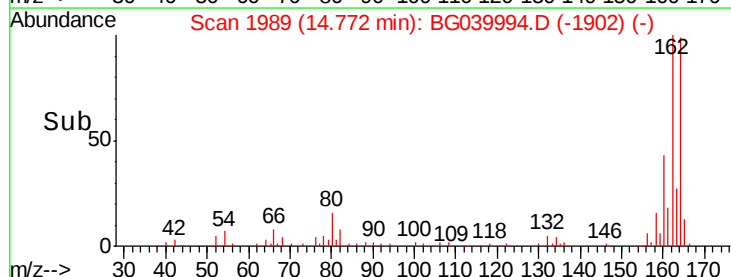
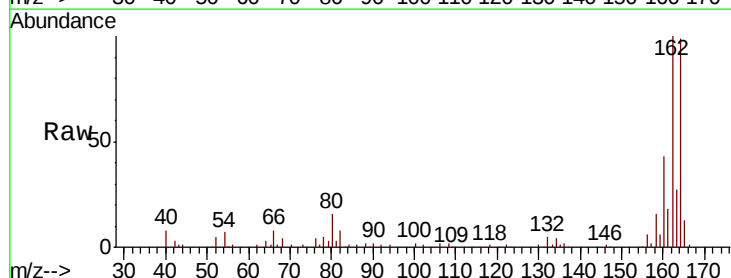
Instrument :
BNA_G
ClientSampleId :
282-346

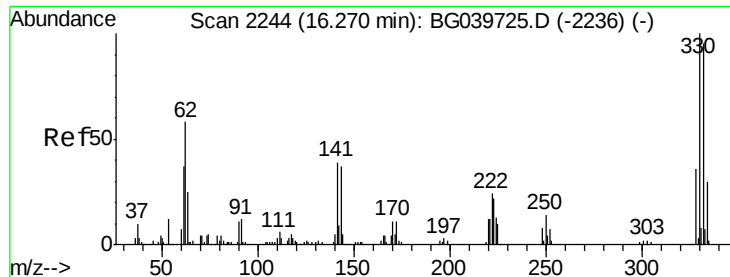
Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.2	31.3	46.9
54	62.9	50.9	76.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.77 min Scan# 1989
Delta R.T. -0.02 min
Lab File: BG039994.D
Acq: 19 Mar 2019 7:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	81.6	122.4
160	42.9	34.2	51.2

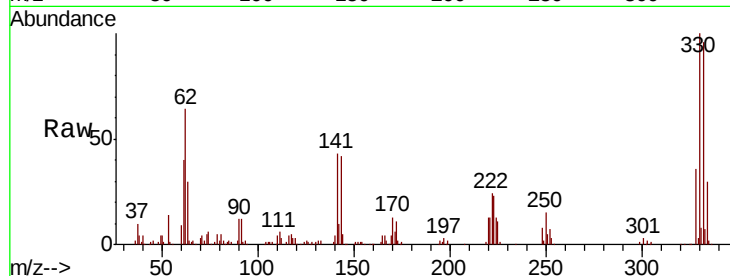




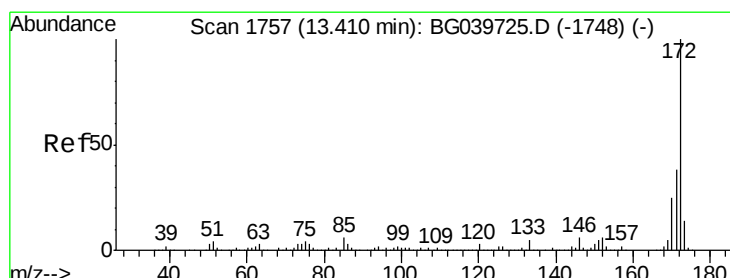
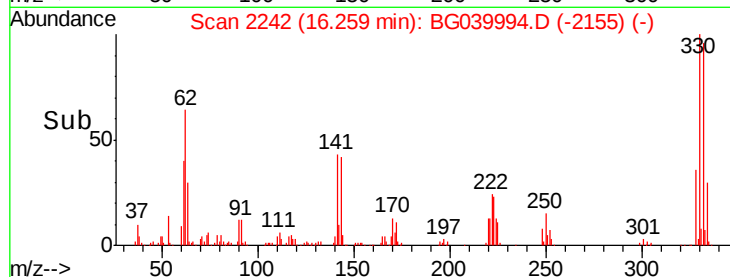
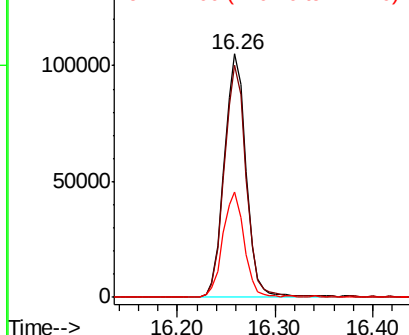
#42
 2,4,6-Tribromophenol
 Concen: 131.440 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.02 min
 Lab File: BG039994.D
 Acq: 19 Mar 2019 7:05

Instrument :
 BNA_G
 ClientSampleId :
 282-346

Tgt Ion:330 Resp: 164171
 Ion Ratio Lower Upper
 330 100
 332 95.3 75.7 113.5
 141 42.0 35.6 53.4

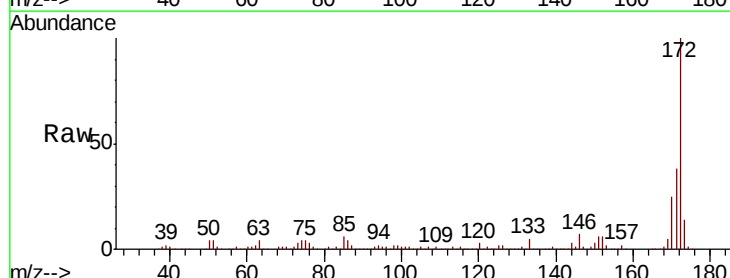


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

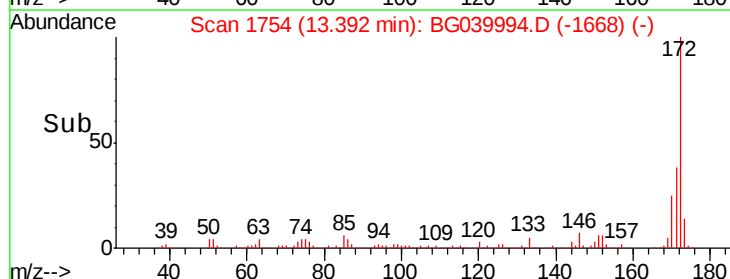
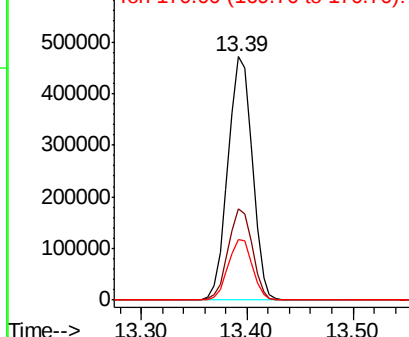


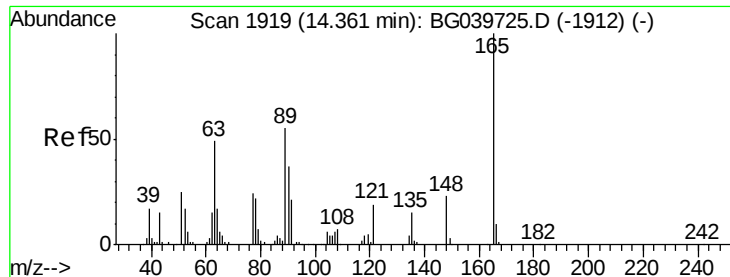
#45
 2-Fluorobiphenyl
 Concen: 99.600 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG039994.D
 Acq: 19 Mar 2019 7:05

Tgt Ion:172 Resp: 749598
 Ion Ratio Lower Upper
 172 100
 171 37.5 30.8 46.2
 170 25.1 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: 7.299 ng

RT: 14.77 min Scan# 1989

Delta R.T. 0.40 min

Lab File: BG039994.D

Acq: 19 Mar 2019 7:05

Instrument :

BNA_G

ClientSampleId :

282-346

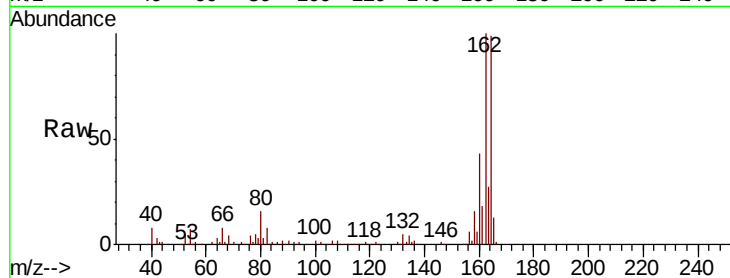
Tgt Ion:165 Resp: 13865

Ion Ratio Lower Upper

165 100

63 0.0 47.0 70.6#

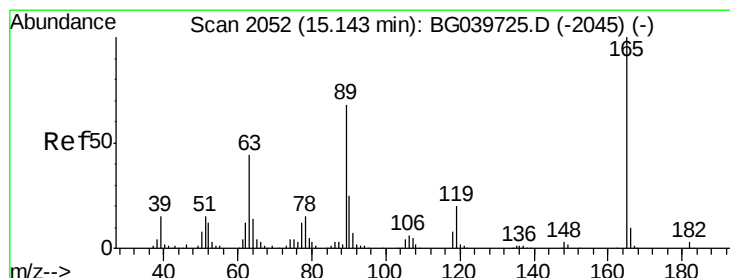
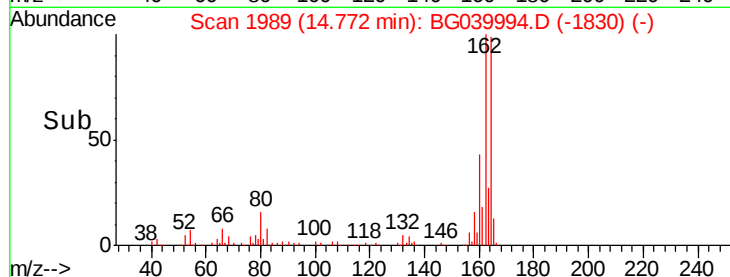
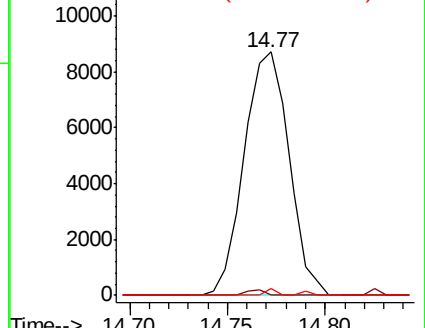
89 2.8 45.8 68.8#



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: 5.195 ng

RT: 14.77 min Scan# 1989

Delta R.T. -0.38 min

Lab File: BG039994.D

Acq: 19 Mar 2019 7:05

Tgt Ion:165 Resp: 13865

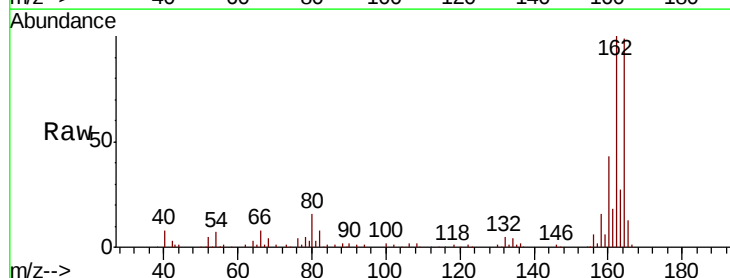
Ion Ratio Lower Upper

165 100

63 0.0 41.0 61.6#

89 2.8 64.6 96.8#

182 0.0 2.0 3.0#

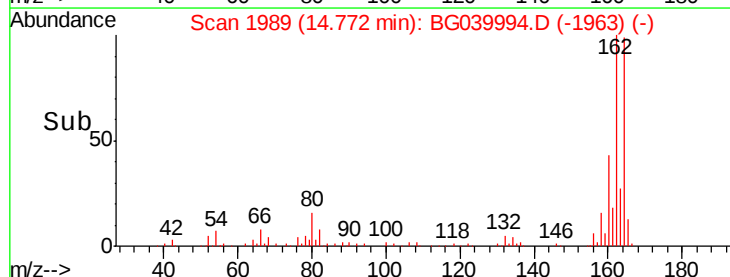
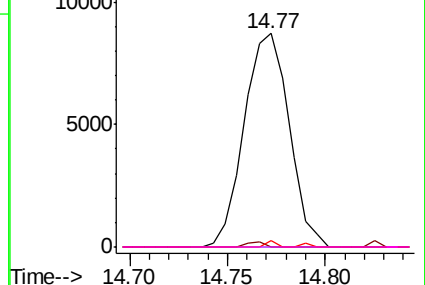


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.52 min Scan# 2456

Delta R.T. -0.02 min

Lab File: BG039994.D

Acq: 19 Mar 2019 7:05

Instrument :

BNA_G

ClientSampleId :

282-346

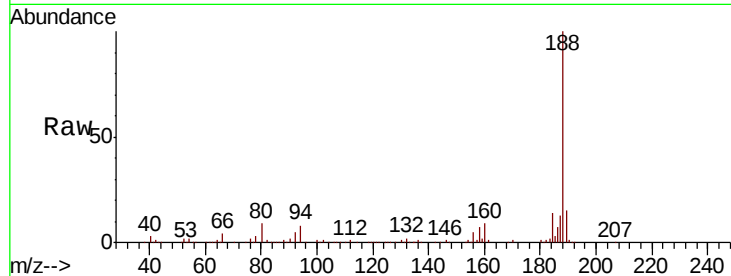
Tgt Ion:188 Resp: 246136

Ion Ratio Lower Upper

188 100

94 8.2 6.9 10.3

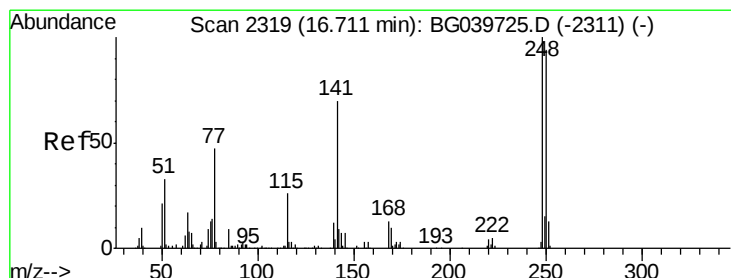
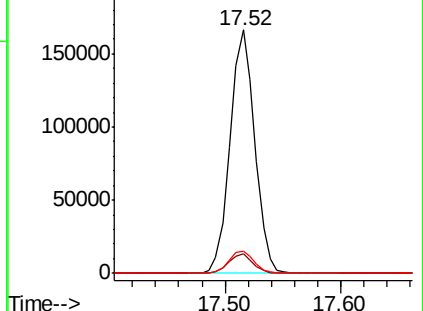
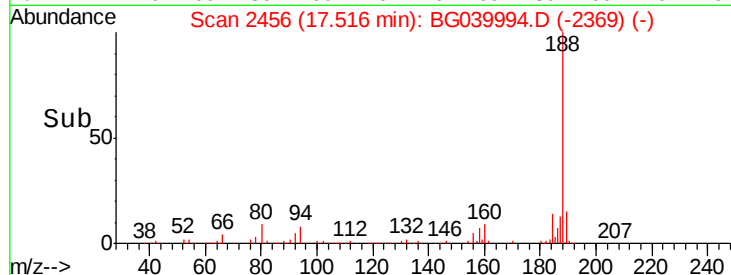
80 8.9 8.1 12.1



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: 4.728 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.46 min

Lab File: BG039994.D

Acq: 19 Mar 2019 7:05

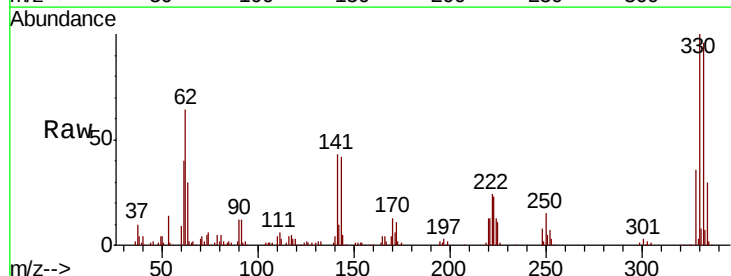
Tgt Ion:248 Resp: 13025

Ion Ratio Lower Upper

248 100

250 191.8 77.6 116.4#

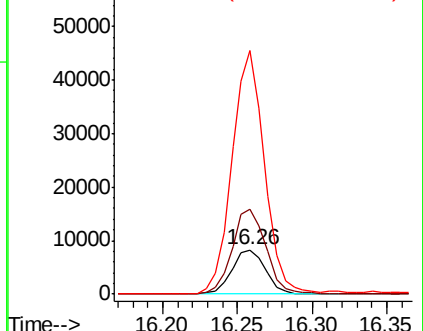
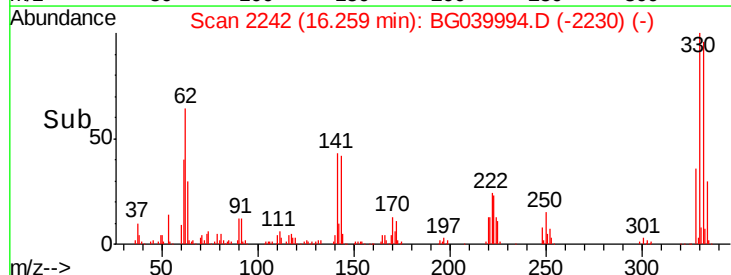
141 551.8 63.9 95.9#

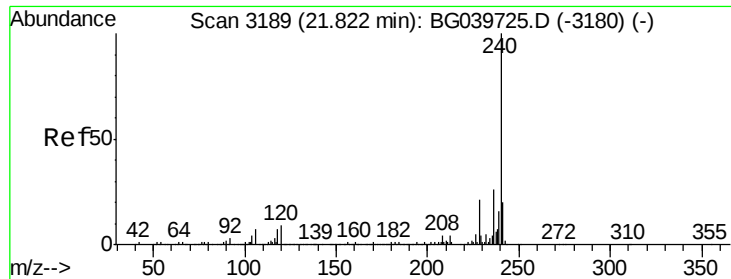


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

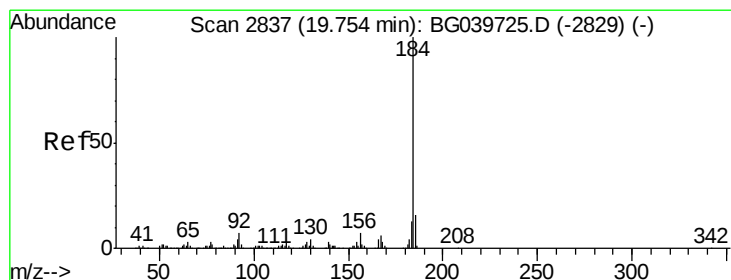
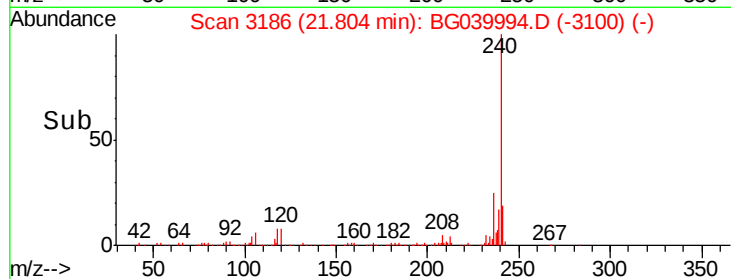
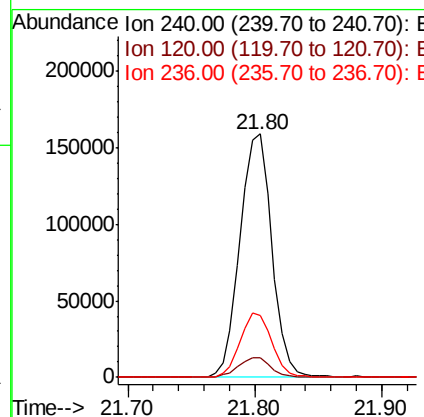
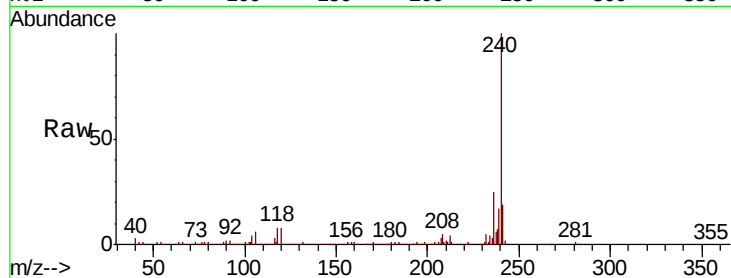




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3186
 Delta R.T. -0.02 min
 Lab File: BG039994.D
 Acq: 19 Mar 2019 7:05

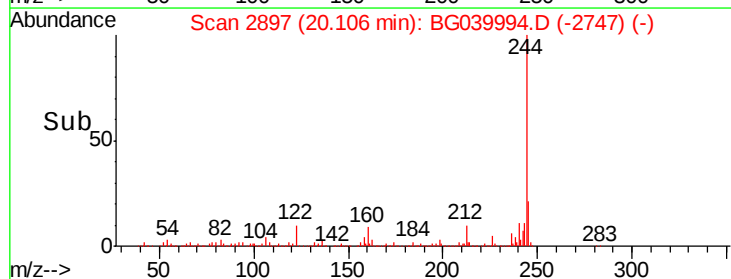
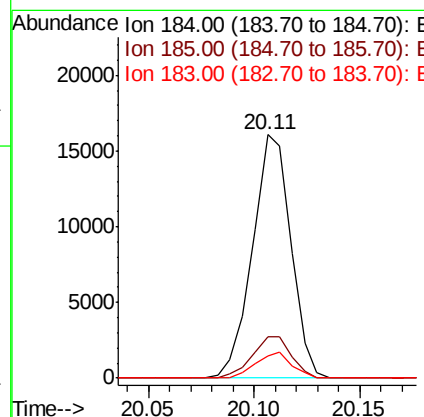
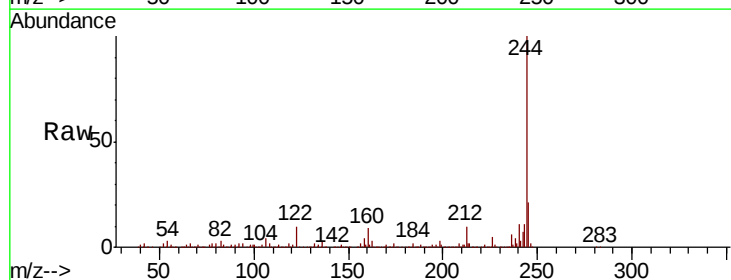
Instrument :
 BNA_G
 ClientSampleId :
 282-346

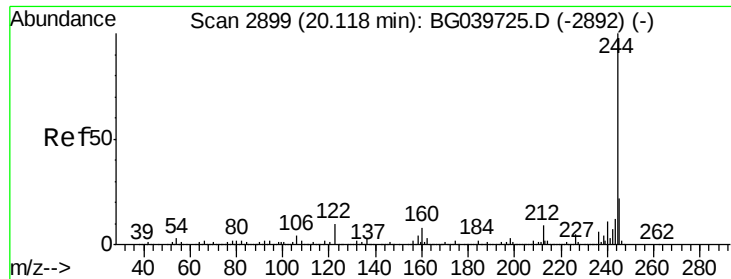
Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.8	7.0	10.6
236	25.2	21.0	31.4



#77
 Benzidine
 Concen: 2.307 ng
 RT: 20.11 min Scan# 2897
 Delta R.T. 0.35 min
 Lab File: BG039994.D
 Acq: 19 Mar 2019 7:05

Tgt Ion	Ratio	Lower	Upper
184	100		
185	17.0	12.2	18.2
183	9.3	10.6	15.8#





#79

Terphenyl-d14

Concen: 90.111 ng

RT: 20.11 min Scan# 2898

Delta R.T. -0.01 min

Lab File: BG039994.D

Acq: 19 Mar 2019 7:05

Instrument :

BNA_G

ClientSampleId :

282-346

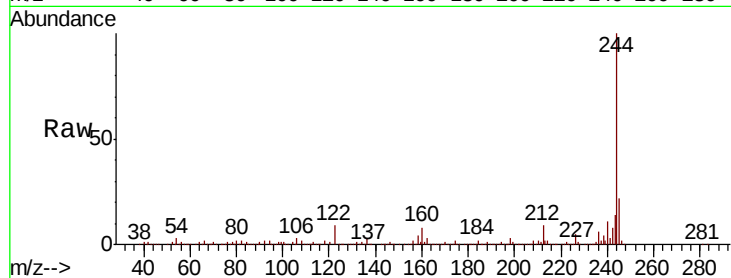
Tgt Ion:244 Resp: 1134972

Ion Ratio Lower Upper

244 100

212 8.8 7.3 10.9

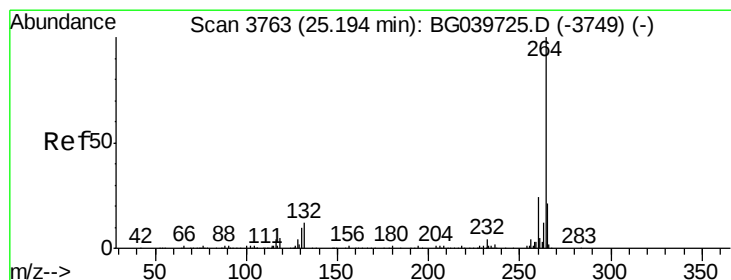
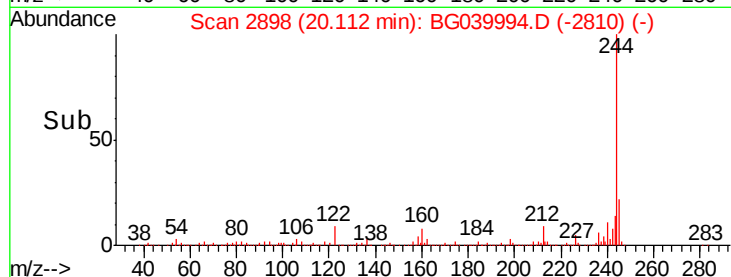
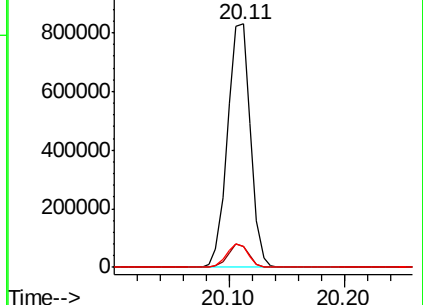
122 8.6 8.4 12.6



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# 3758

Delta R.T. -0.04 min

Lab File: BG039994.D

Acq: 19 Mar 2019 7:05

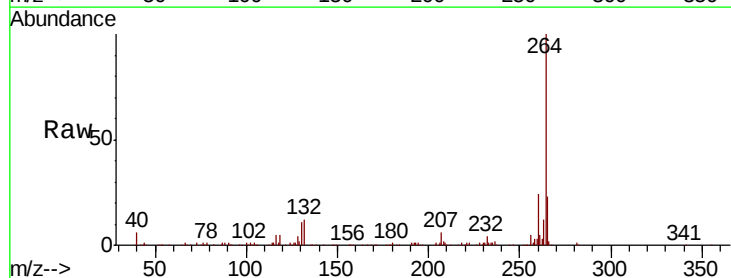
Tgt Ion:264 Resp: 267042

Ion Ratio Lower Upper

264 100

260 24.3 18.2 27.4

265 22.7 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

