

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032119\
 Data File : BG040078.D
 Acq On : 21 Mar 2019 23:10
 Operator : JU/SJ
 Sample : K1933-05DL2 20X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S-5DL

Quant Time: Mar 22 01:37:01 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	37983	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	182918	20.00	ng	-0.03
39) Acenaphthene-d10	14.77	164	134640	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	323836	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	308041	20.00	ng	-0.03
87) Perylene-d12	25.16	264	311029	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.69	112	17066	7.67	ng	-0.02
7) Phenol-d6	7.29	99	25021	7.54	ng	-0.02
23) Nitrobenzene-d5	9.32	82	14115	4.17	ng	-0.02
42) 2,4,6-Tribromophenol	16.27	330	3246	2.07	ng	-0.01
45) 2-Fluorobiphenyl	13.39	172	38140	4.03	ng	-0.02
79) Terphenyl-d14	20.10	244	54283	3.88	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.57	88	57	0.055	ng	# 74
4) n-Nitrosodimethylamine	3.90	42	54	0.041	ng	# 1
10) Phenol	7.32	94	189	0.053	ng	# 37
15) Benzyl Alcohol	8.46	79	155	0.059	ng	# 16
19) n-Nitroso-di-n-propylamine	9.32	70	1963	0.822	ng	# 69
25) Isophorone	9.88	82	59	0.008	ng	# 67
49) Acenaphthylene	14.50	152	56	0.004	ng	# 59
50) Dimethylphthalate	14.22	163	4686	0.416	ng	# 92
51) 2,6-Dinitrotoluene	14.77	165	16936	7.096	ng	# 23
52) Acenaphthene	14.77	154	492	0.060	ng	# 5
55) Dibenzofuran	15.18	168	61	0.005	ng	# 45
57) 2,4-Dinitrotoluene	14.77	165	16936	5.050	ng	# 18
58) Fluorene	15.82	166	84	0.008	ng	# 80
60) Diethylphthalate	15.55	149	236	0.021	ng	# 58
67) 4-Bromophenyl-phenylether	16.26	248	172	0.047	ng	# 41
69) Atrazine	17.12	200	55	0.015	ng	# 35
70) Pentachlorophenol	17.60	266	53	0.022	ng	# 18
71) Phenanthrene	17.56	178	2074	0.116	ng	# 88
72) Anthracene	17.65	178	419	0.024	ng	# 60
73) Carbazole	17.92	167	119	0.008	ng	# 57
74) Di-n-butylphthalate	18.44	149	686	0.037	ng	# 77
75) Fluoranthene	19.56	202	3999	0.190	ng	# 89
77) Benzidine	20.10	184	826	0.085	ng	# 74
78) Pyrene	19.93	202	3307	0.165	ng	# 95
80) Butylbenzylphthalate	20.78	149	418	0.054	ng	# 70
81) Benzo(a)anthracene	21.78	228	3373	0.175	ng	# 85
82) 3,3'-Dichlorobenzidine	21.97	252	58	0.008	ng	# 26
83) Chrysene	21.85	228	1480	0.079	ng	# 85
84) Bis(2-ethylhexyl)phthalate	21.65	149	524724	48.150	ng	# 99
85) Di-n-octyl phthalate	22.88	149	2001	0.111	ng	# 93
86) Indeno(1,2,3-cd)pyrene	29.05	276	435	0.020	ng	# 77
88) Benzo(b)fluoranthene	24.08	252	2779	0.150	ng	# 76
89) Benzo(k)fluoranthene	24.14	252	1283	0.074	ng	# 59
90) Benzo(a)pyrene	25.01	252	1790	0.104	ng	# 59

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Response via : Initial Calibration

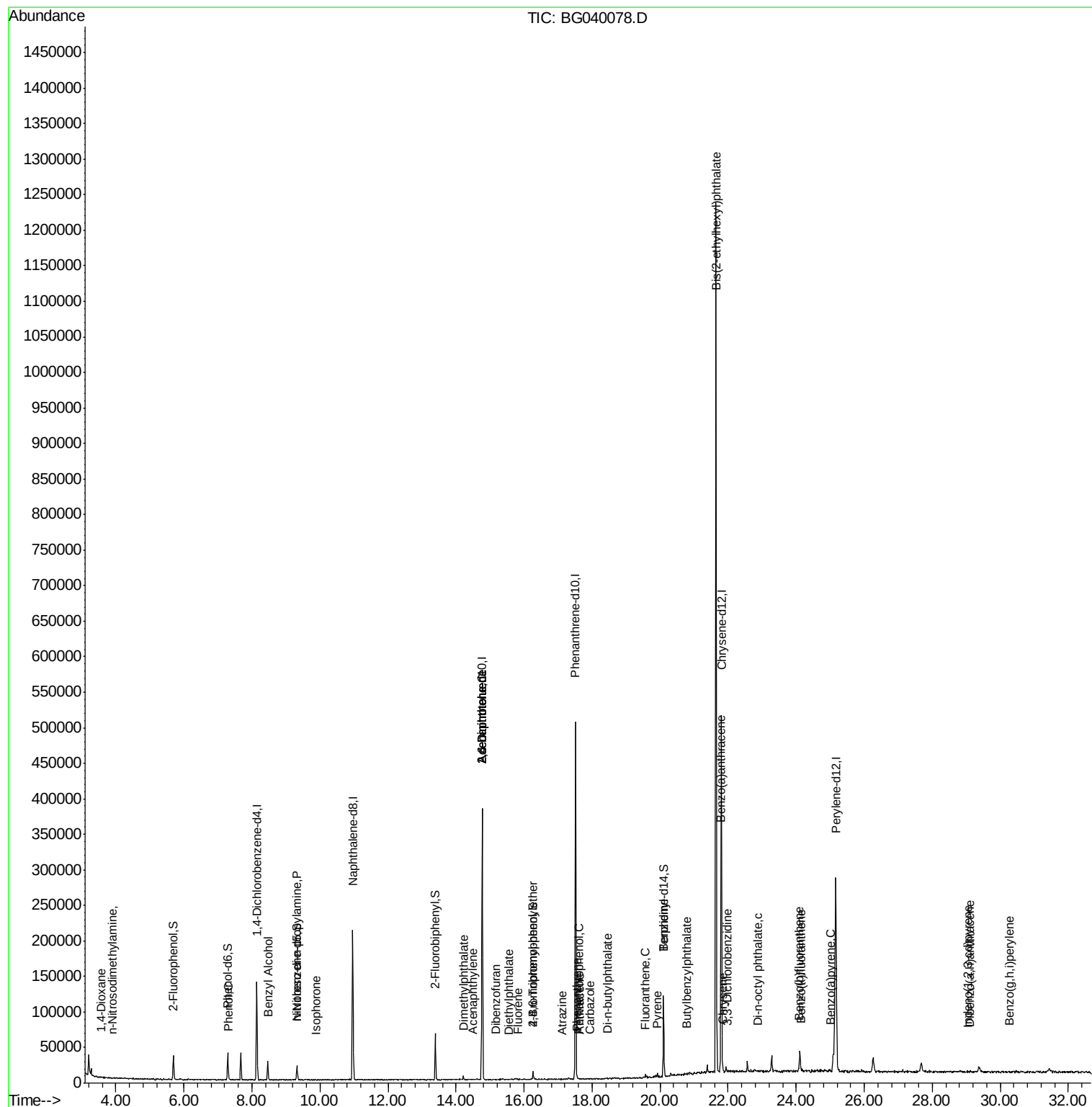
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Dibenzo(a,h)anthracene	29.10	278	115	0.007	ng	# 56
92) Benzo(g,h,i)perylene	30.28	276	317	0.019	ng	# 54

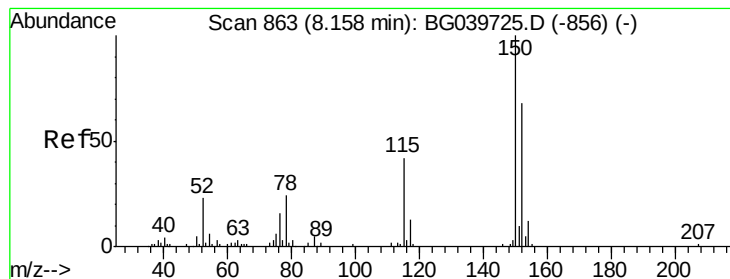
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG040078.D

Acq: 21 Mar 2019 23:10

Instrument :

BNA_G

ClientSampleId :

S-5DL

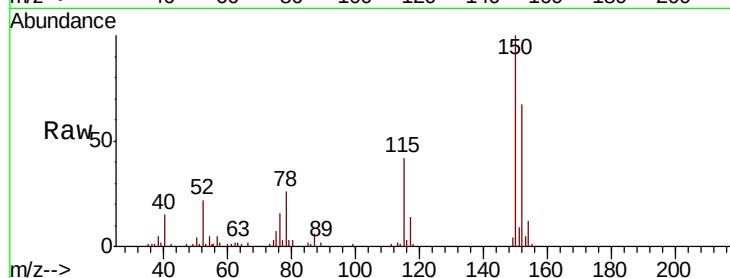
Tgt Ion:152 Resp: 37983

Ion Ratio Lower Upper

152 100

150 150.0 123.7 185.5

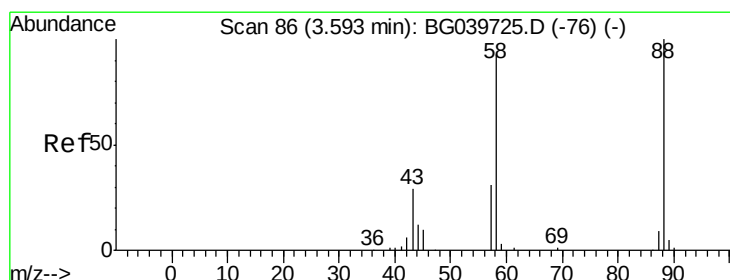
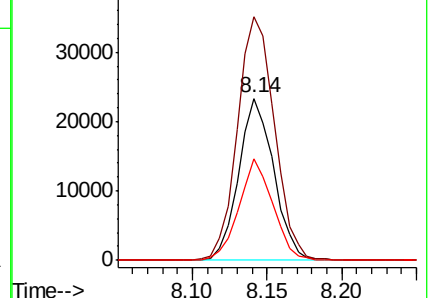
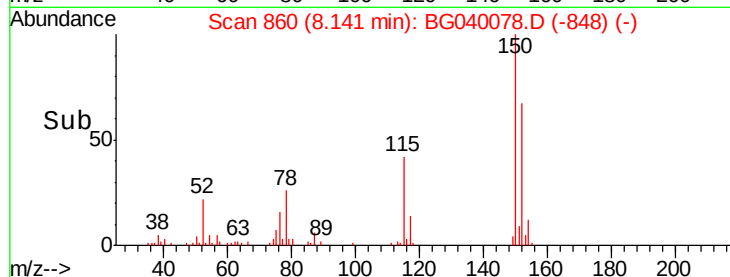
115 62.7 45.9 68.9



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: 0.055 ng

RT: 3.57 min Scan# 81

Delta R.T. -0.04 min

Lab File: BG040078.D

Acq: 21 Mar 2019 23:10

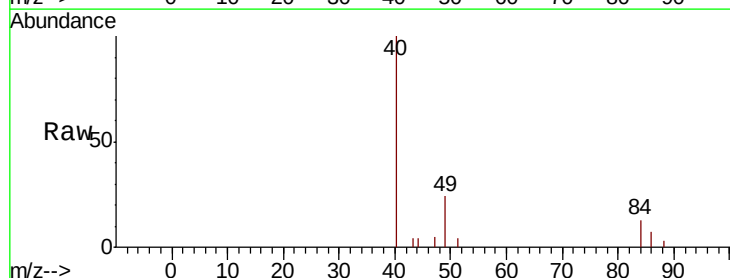
Tgt Ion: 88 Resp: 57

Ion Ratio Lower Upper

88 100

58 112.3 81.1 121.7

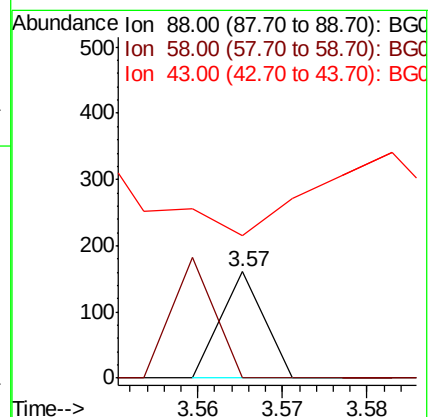
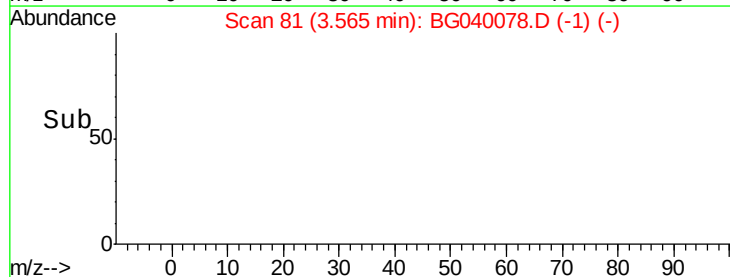
43 0.0 31.4 47.0#

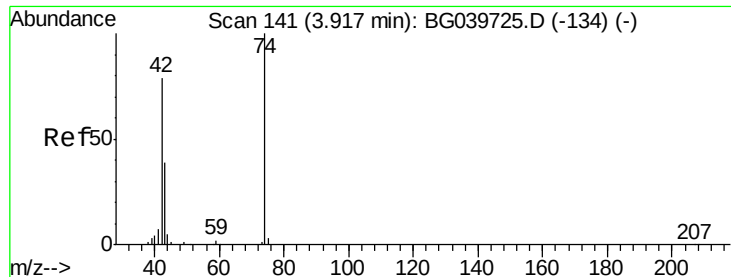


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#4

n-Nitrosodimethylamine

Concen: 0.041 ng

RT: 3.90 min Scan# 138

Delta R.T. -0.03 min

Lab File: BG040078.D

Acq: 21 Mar 2019 23:10

Instrument :

BNA_G

ClientSampleId :

S-5DL

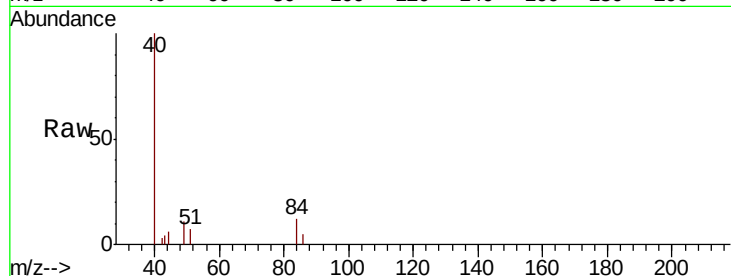
Tgt Ion: 42 Resp: 54

Ion Ratio Lower Upper

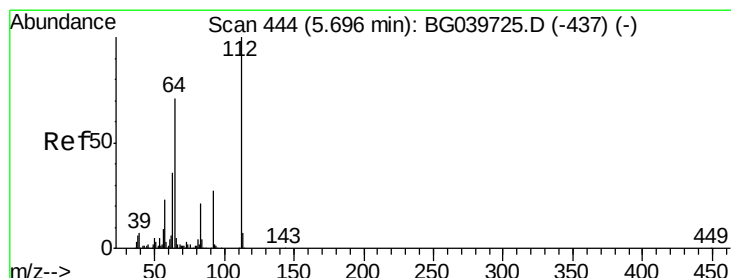
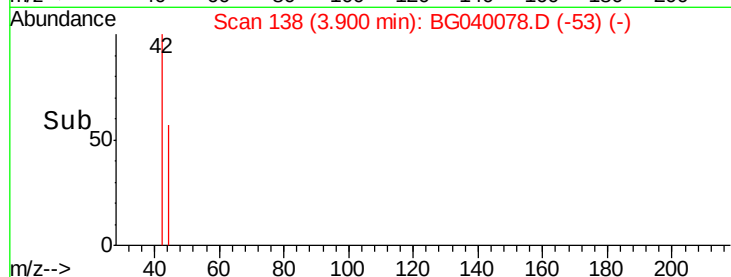
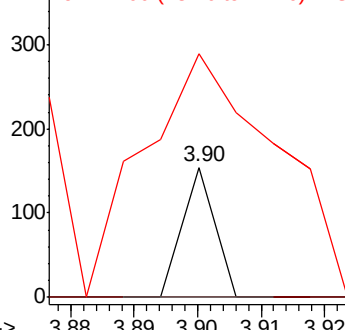
42 100

74 0.0 83.6 125.4#

44 187.7 6.9 10.3#



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC



#5

2-Fluorophenol

Concen: 7.665 ng

RT: 5.69 min Scan# 442

Delta R.T. -0.02 min

Lab File: BG040078.D

Acq: 21 Mar 2019 23:10

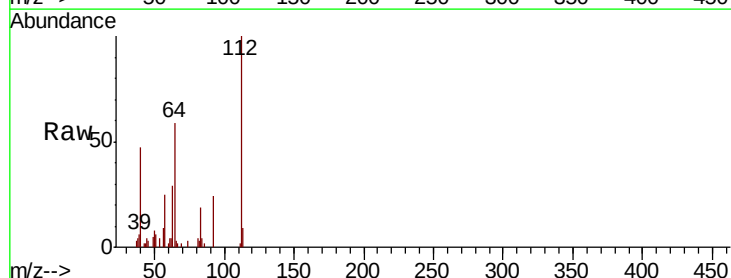
Tgt Ion: 112 Resp: 17066

Ion Ratio Lower Upper

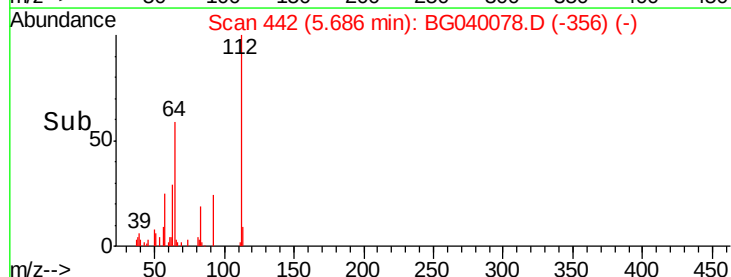
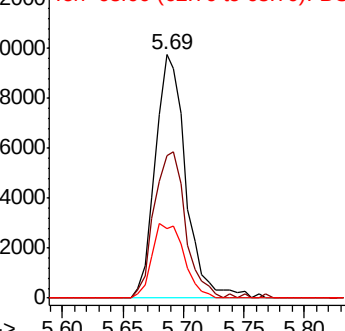
112 100

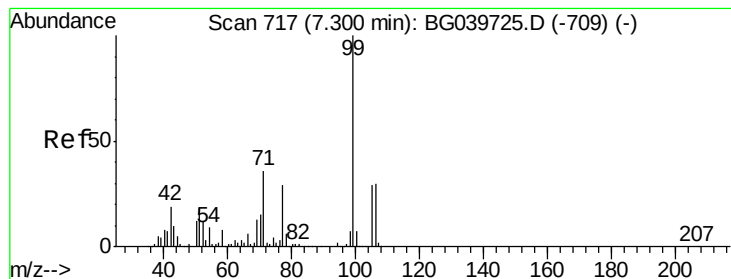
64 58.7 57.8 86.8

63 28.5 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: 7.537 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.02 min

Lab File: BG040078.D

Acq: 21 Mar 2019 23:10

Instrument :

BNA_G

ClientSampled :

S-5DL

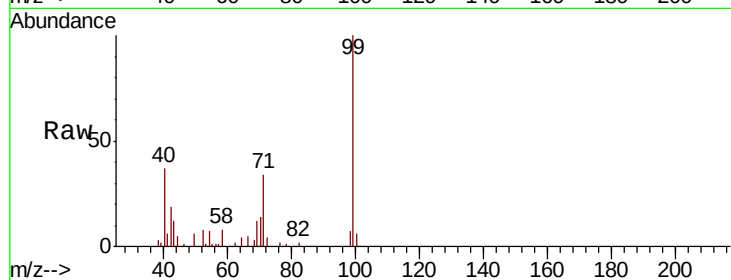
Tgt Ion: 99 Resp: 25021

Ion Ratio Lower Upper

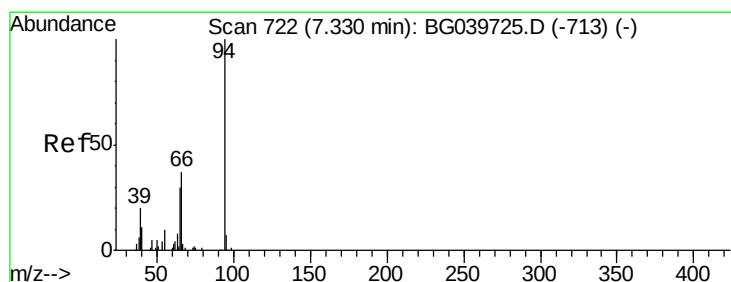
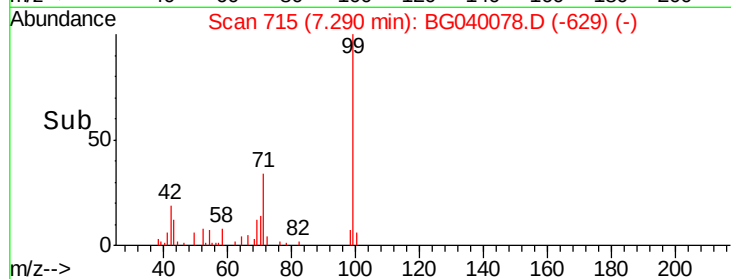
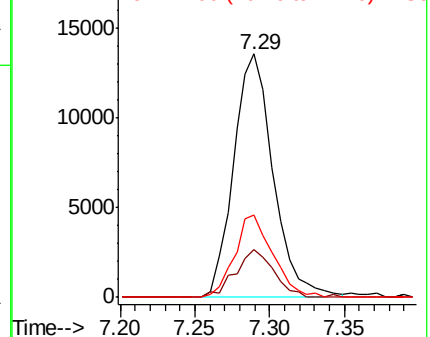
99 100

42 19.5 18.2 27.2

71 33.6 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: 0.053 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.02 min

Lab File: BG040078.D

Acq: 21 Mar 2019 23:10

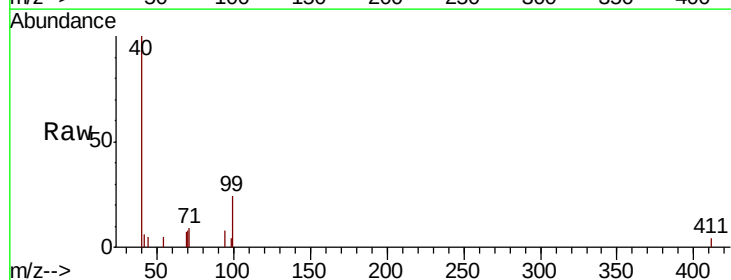
Tgt Ion: 94 Resp: 189

Ion Ratio Lower Upper

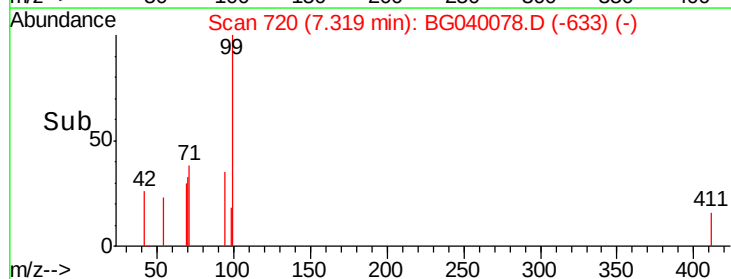
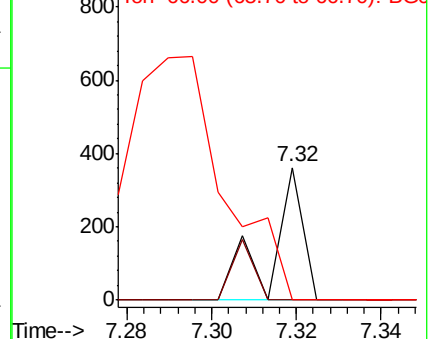
94 100

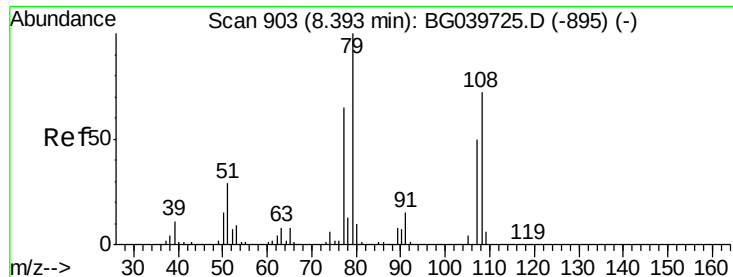
65 0.0 11.7 51.7#

66 0.0 23.7 63.7#



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

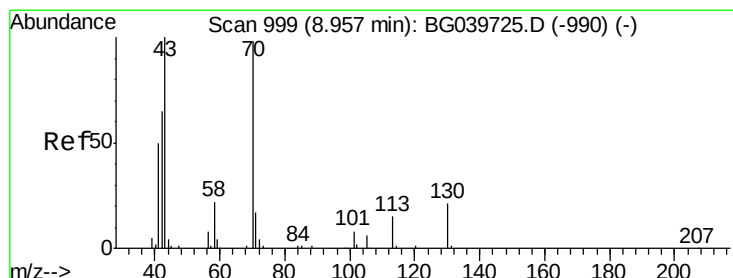
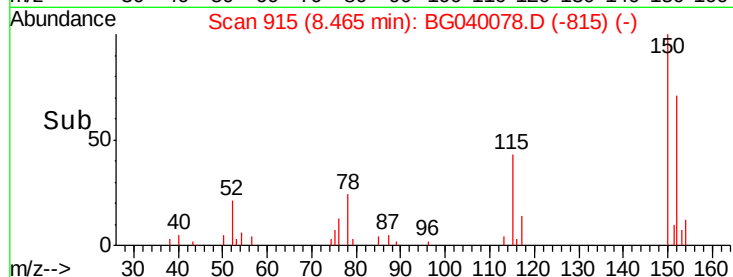
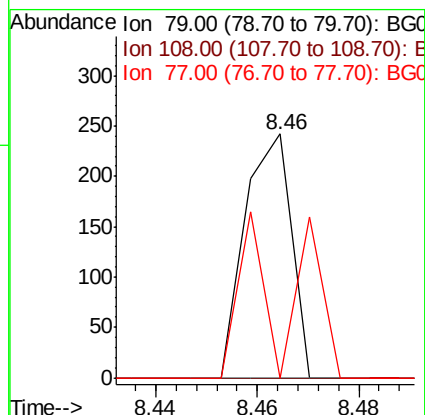
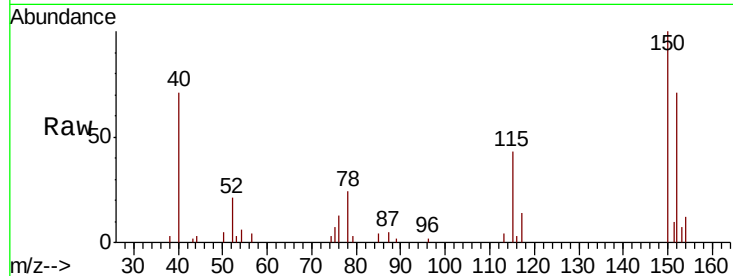




#15
Benzyl Alcohol
Concen: 0.059 ng
RT: 8.46 min Scan# 915
Delta R.T. 0.06 min
Lab File: BG040078.D
Acq: 21 Mar 2019 23:10

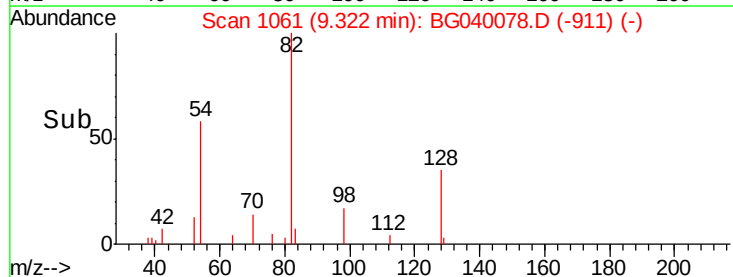
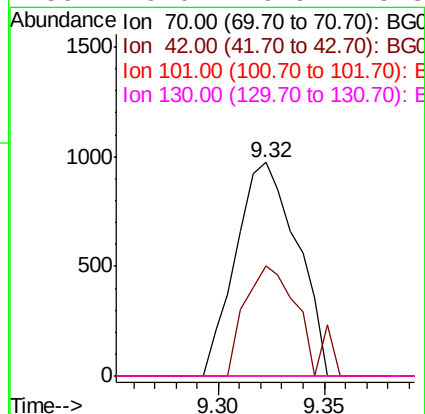
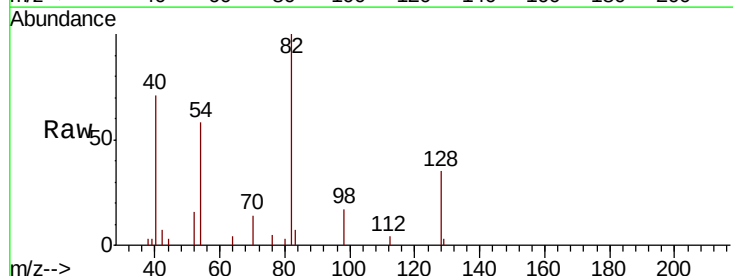
Instrument :
BNA_G
ClientSampled :
S-5DL

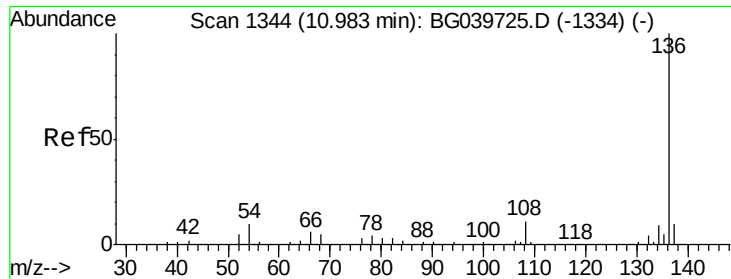
Tgt Ion: 79 Resp: 155
Ion Ratio Lower Upper
79 100
108 0.0 57.8 86.6#
77 0.0 51.1 76.7#



#19
n-Nitroso-di-n-propylamine
Concen: 0.822 ng
RT: 9.32 min Scan# 1061
Delta R.T. 0.35 min
Lab File: BG040078.D
Acq: 21 Mar 2019 23:10

Tgt Ion: 70 Resp: 1963
Ion Ratio Lower Upper
70 100
42 51.5 60.4 90.6#
101 0.0 7.5 11.3#
130 0.0 16.9 25.3#

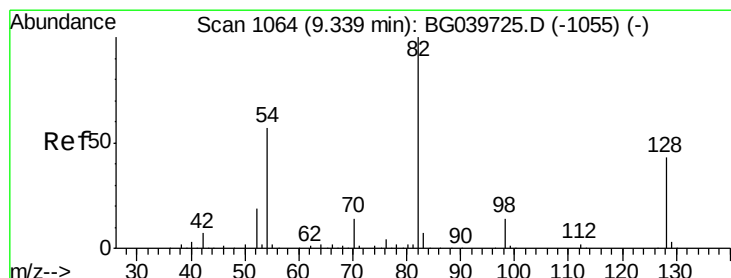
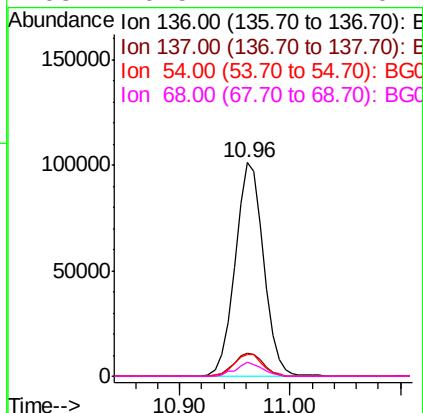
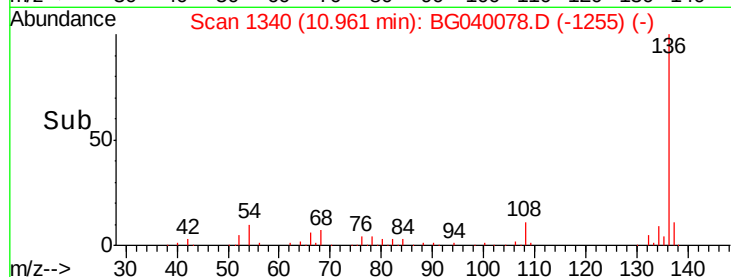
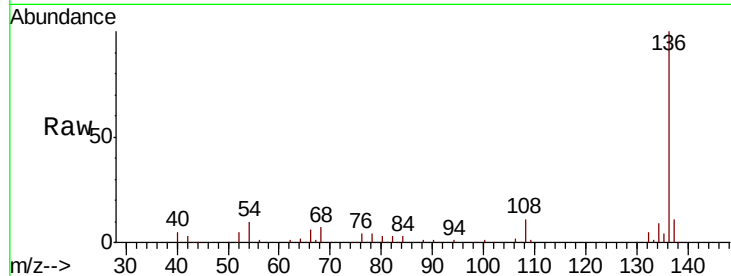




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.03 min
Lab File: BG040078.D
Acq: 21 Mar 2019 23:10

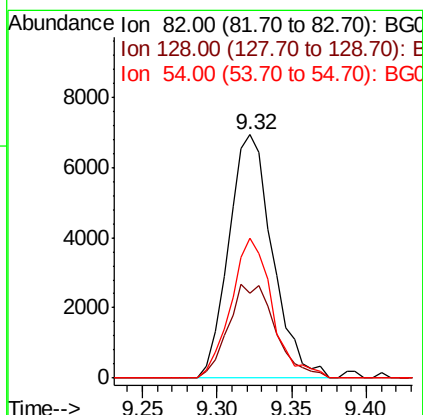
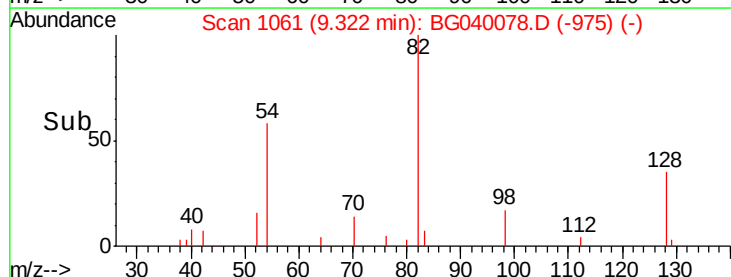
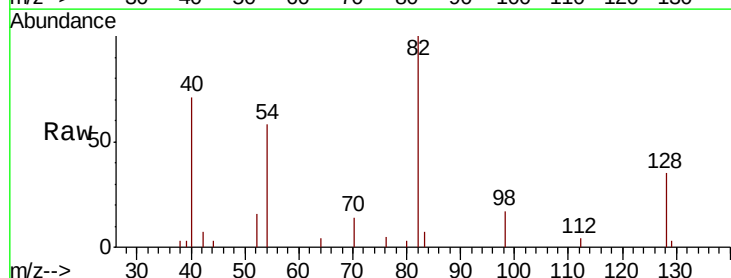
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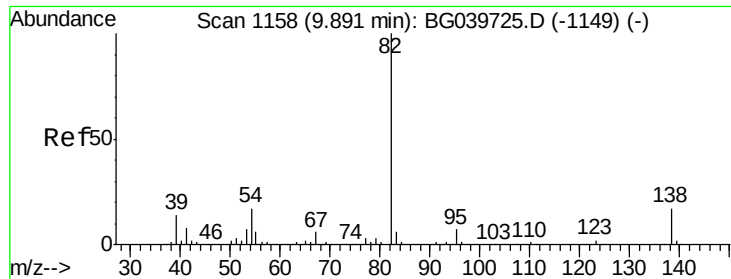
Tgt Ion:	136	Resp:	182918
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	10.3	9.4	14.2
68	6.5	4.2	6.4#



#23
Nitrobenzene-d5
Concen: 4.173 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040078.D
Acq: 21 Mar 2019 23:10

Tgt Ion:	82	Resp:	14115
Ion	Ratio	Lower	Upper
82	100		
128	34.8	31.3	46.9
54	57.7	50.9	76.3





#25

Isophorone

Concen: 0.008 ng

RT: 9.88 min Scan# 1156

Delta R.T. -0.02 min

Lab File: BG040078.D

Acq: 21 Mar 2019 23:10

Instrument :

BNA_G

ClientSampleId :

S-5DL

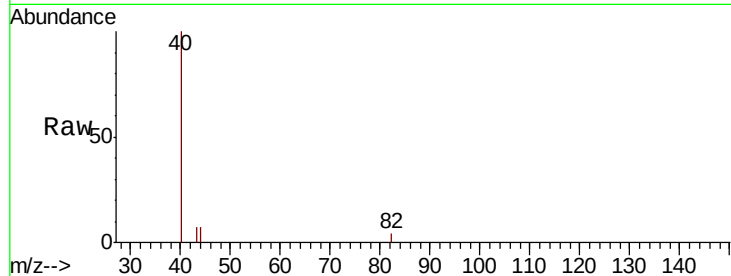
Tgt Ion: 82 Resp: 59

Ion Ratio Lower Upper

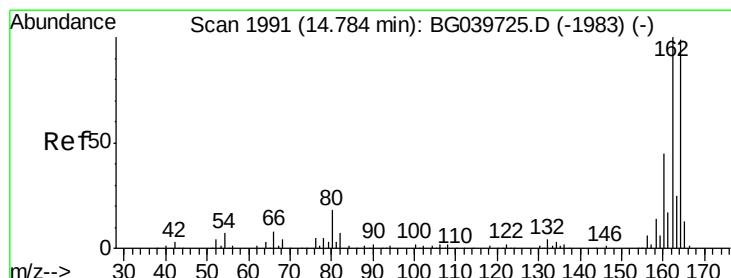
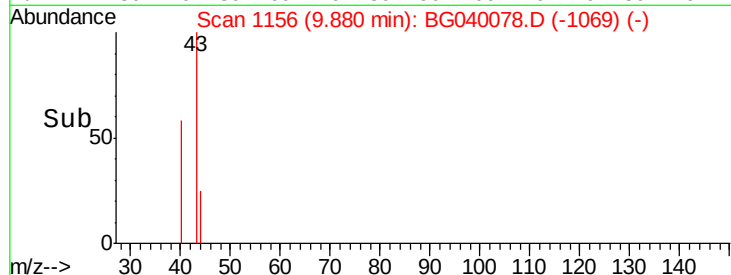
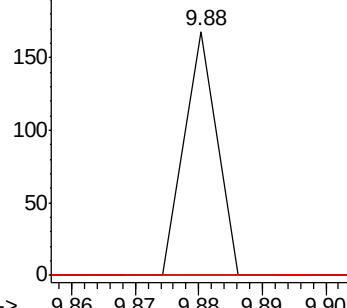
82 100

95 0.0 6.2 9.2#

138 0.0 13.0 19.4#



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BG040078.D

Acq: 21 Mar 2019 23:10

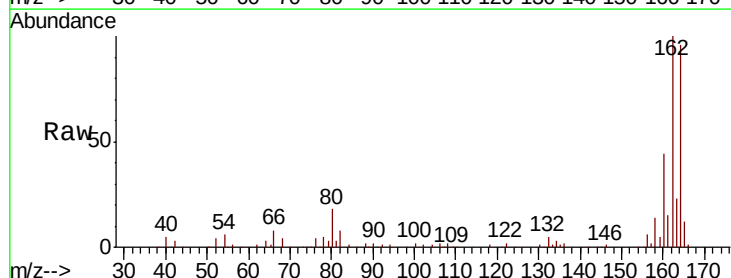
Tgt Ion: 164 Resp: 134640

Ion Ratio Lower Upper

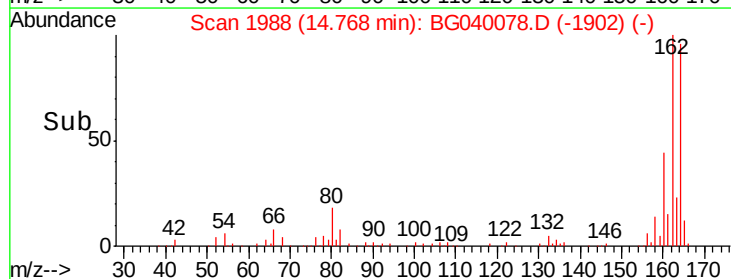
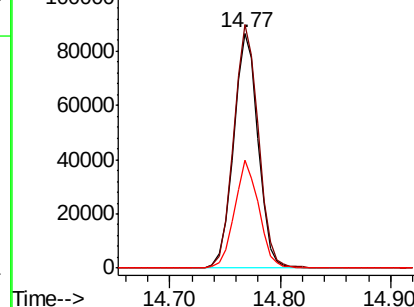
164 100

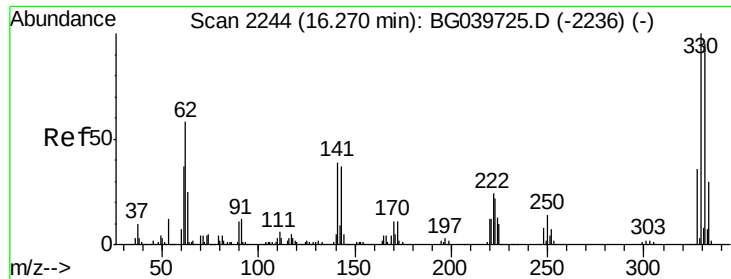
162 103.7 81.6 122.4

160 46.1 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: 2.068 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BG040078.D

Acq: 21 Mar 2019 23:10

Instrument :

BNA_G

ClientSampled :

S-5DL

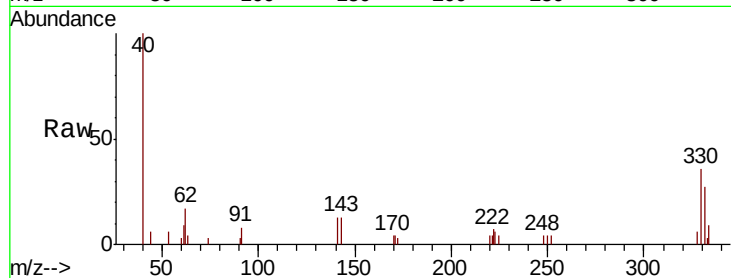
Tgt Ion:330 Resp: 3246

Ion Ratio Lower Upper

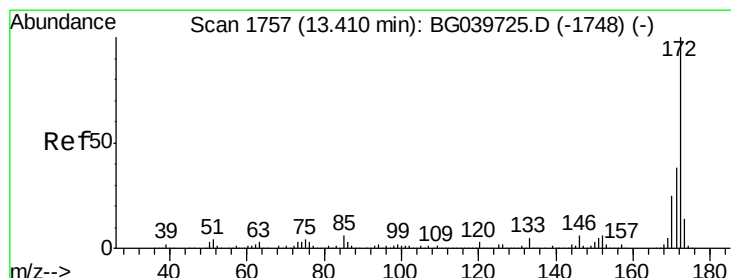
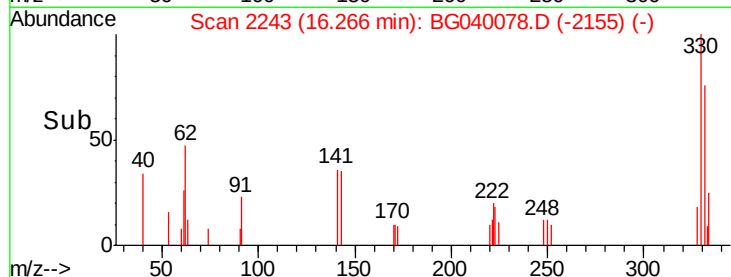
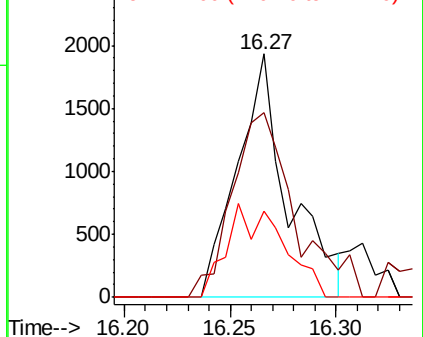
330 100

332 93.7 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: 4.033 ng

RT: 13.39 min Scan# 1754

Delta R.T. -0.02 min

Lab File: BG040078.D

Acq: 21 Mar 2019 23:10

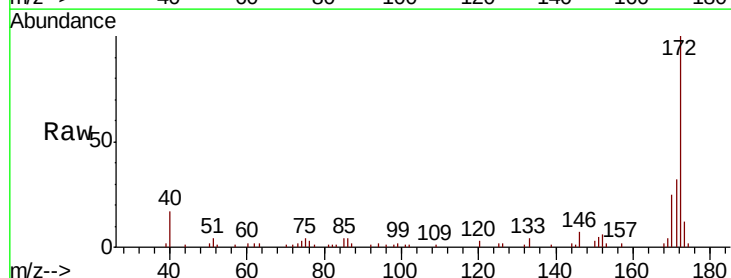
Tgt Ion:172 Resp: 38140

Ion Ratio Lower Upper

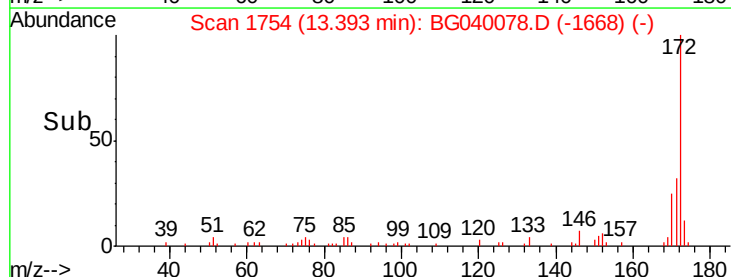
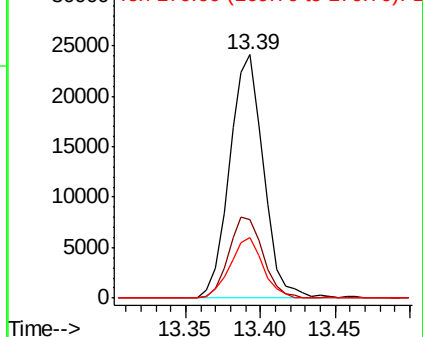
172 100

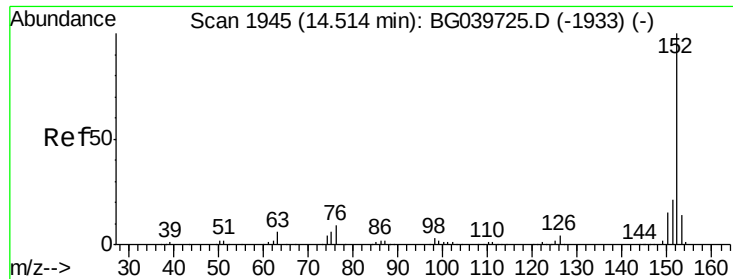
171 32.3 30.8 46.2

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





#49

Acenaphthylene

Concen: 0.004 ng

RT: 14.50 min Scan# 1942

Delta R.T. -0.02 min

Lab File: BG040078.D

Acq: 21 Mar 2019 23:10

Instrument :

BNA_G

ClientSampleId :

S-5DL

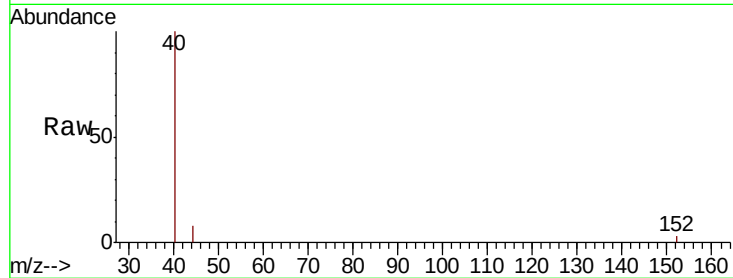
Tgt Ion:152 Resp: 56

Ion Ratio Lower Upper

152 100

151 0.0 16.8 25.2#

153 0.0 11.7 17.5#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

14.50

150

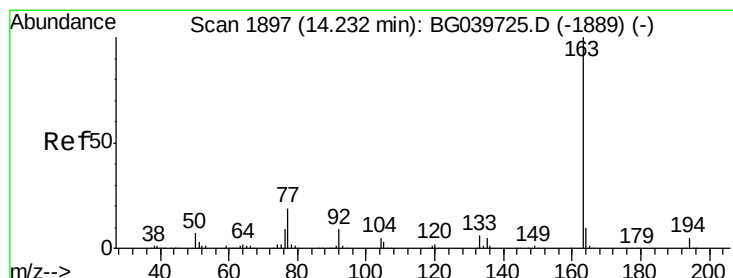
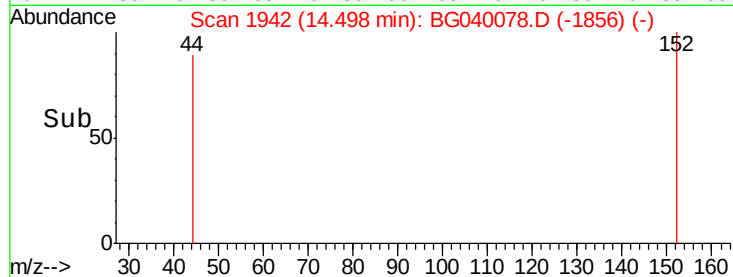
100

50

0

14.48 14.50

Time-->



#50

Dimethylphthalate

Concen: 0.416 ng

RT: 14.22 min Scan# 1894

Delta R.T. -0.02 min

Lab File: BG040078.D

Acq: 21 Mar 2019 23:10

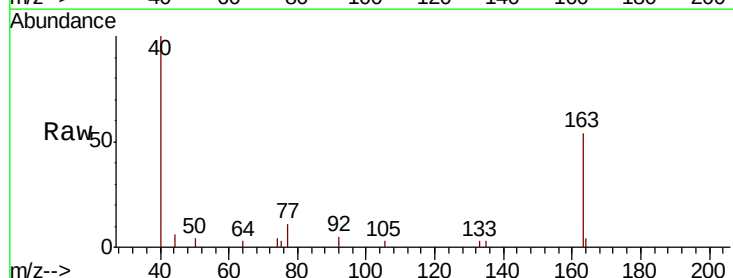
Tgt Ion:163 Resp: 4686

Ion Ratio Lower Upper

163 100

194 0.0 3.6 5.4#

164 8.3 8.4 12.6#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

14.22

3000

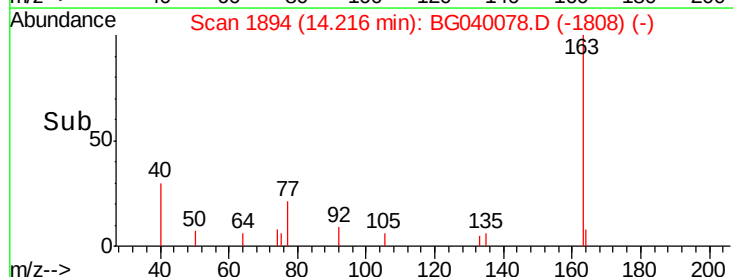
2000

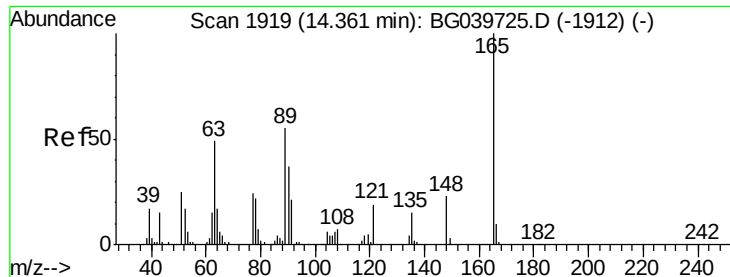
1000

0

14.15 14.20 14.25 14.30

Time-->





#51

2,6-Dinitrotoluene

Concen: 7.096 ng

RT: 14.77 min Scan# 1988

Delta R.T. 0.40 min

Lab File: BG040078.D

Acq: 21 Mar 2019 23:10

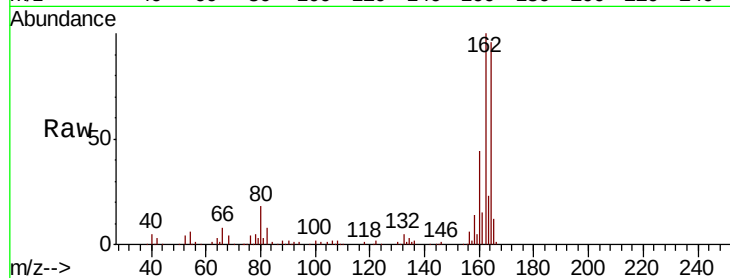
Instrument :

BNA_G

ClientSampleId :

S-5DL

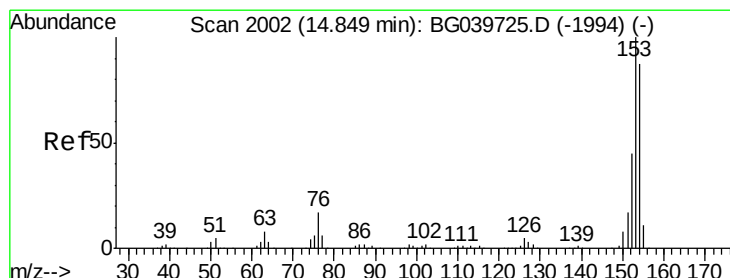
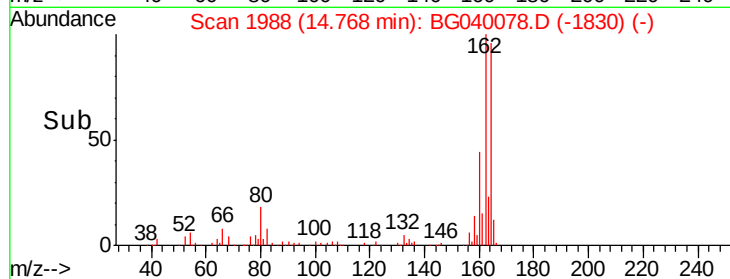
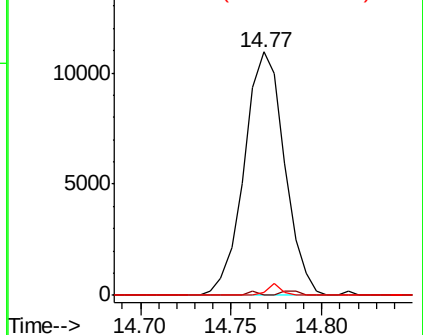
Tgt Ion:	165	Resp:	16936
Ion	Ratio	Lower	Upper
165	100		
63	0.0	47.0	70.6#
89	1.5	45.8	68.8#



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



#52

Acenaphthene

Concen: 0.060 ng

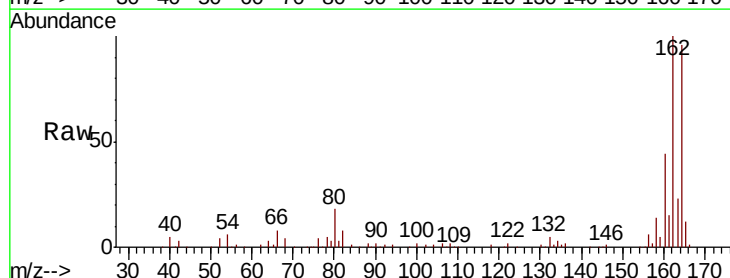
RT: 14.77 min Scan# 1988

Delta R.T. -0.09 min

Lab File: BG040078.D

Acq: 21 Mar 2019 23:10

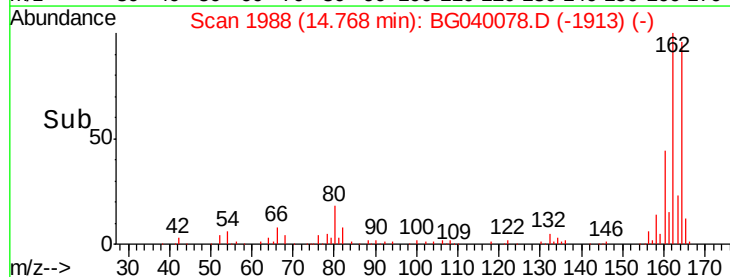
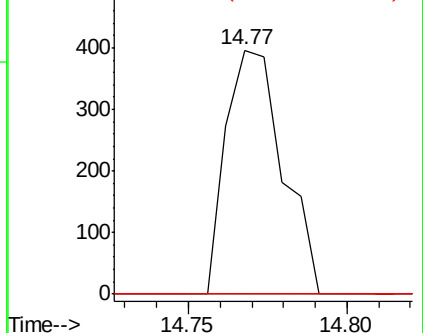
Tgt Ion:	154	Resp:	492
Ion	Ratio	Lower	Upper
154	100		
153	0.0	90.1	135.1#
152	0.0	40.9	61.3#

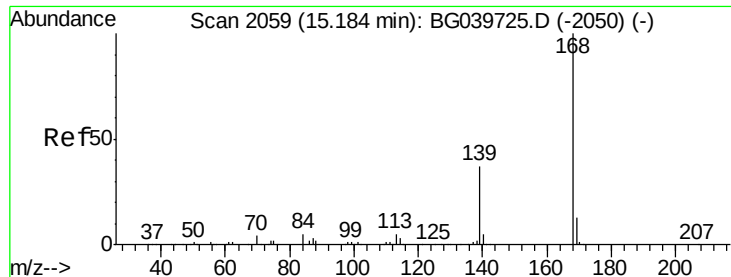


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#55

Dibenzofuran

Concen: 0.005 ng

RT: 15.18 min Scan# 2058

Delta R.T. -0.01 min

Lab File: BG040078.D

Acq: 21 Mar 2019 23:10

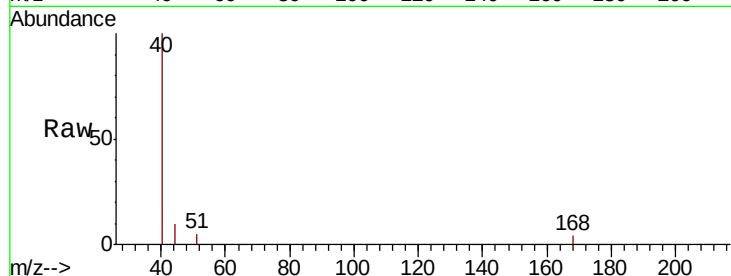
Instrument :

BNA_G

ClientSampleId :

S-5DL

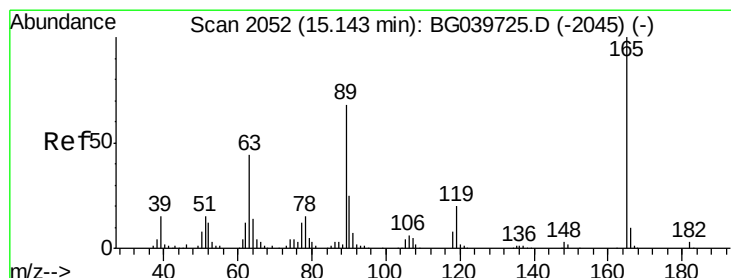
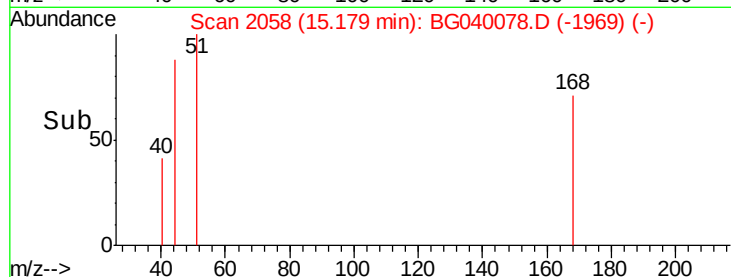
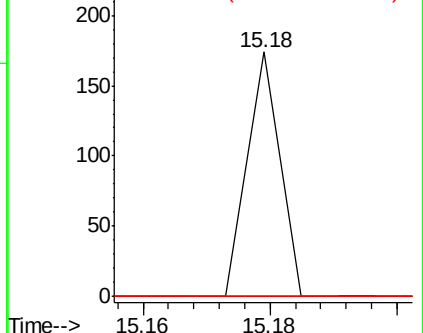
Tgt Ion:	168	Resp:	61
Ion	Ratio	Lower	Upper
168	100		
139	0.0	30.1	45.1#
169	0.0	10.6	16.0#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

2,4-Dinitrotoluene

Concen: 5.050 ng

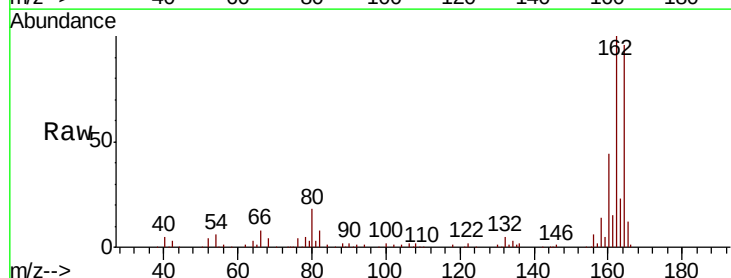
RT: 14.77 min Scan# 1988

Delta R.T. -0.38 min

Lab File: BG040078.D

Acq: 21 Mar 2019 23:10

Tgt Ion:	165	Resp:	16936
Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.0	61.6#
89	1.5	64.6	96.8#
182	0.0	2.0	3.0#

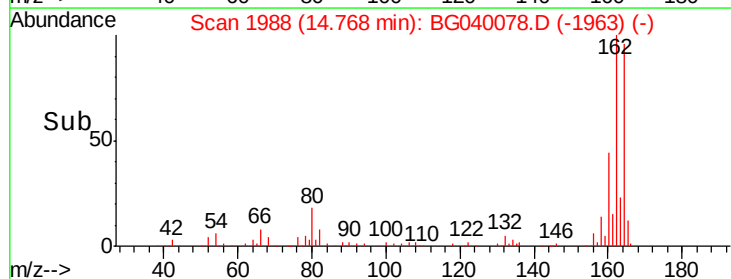
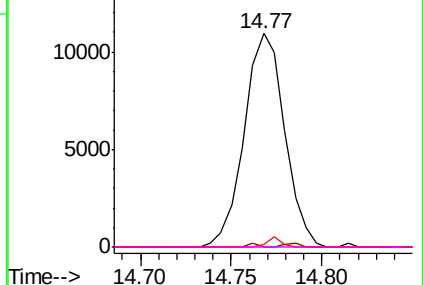


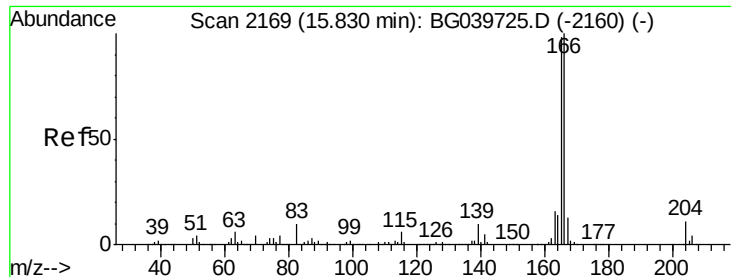
Abundance Ion 165.00 (164.70 to 165.70): E

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





#58

Fluorene

Concen: 0.008 ng

RT: 15.82 min Scan# 2167

Delta R.T. -0.02 min

Lab File: BG040078.D

Acq: 21 Mar 2019 23:10

Instrument :

BNA_G

ClientSampleId :

S-5DL

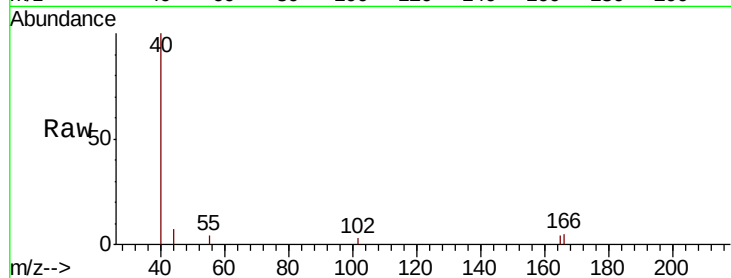
Tgt Ion:166 Resp: 84

Ion Ratio Lower Upper

166 100

165 79.0 77.9 116.9

167 0.0 10.8 16.2#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

15.82

250

200

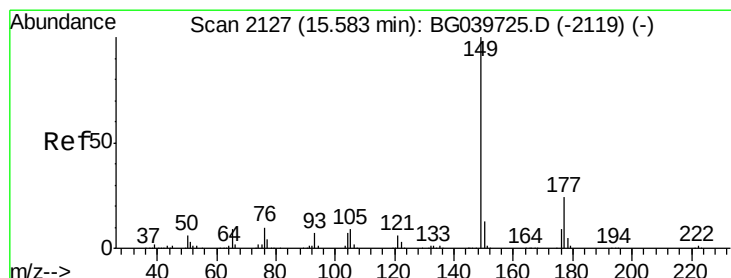
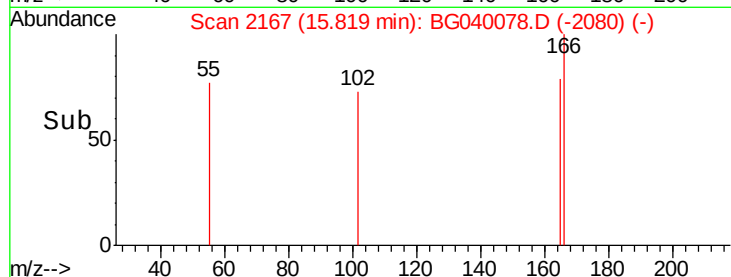
150

100

50

0

Time--> 15.80 15.82



#60

Diethylphthalate

Concen: 0.021 ng

RT: 15.55 min Scan# 2122

Delta R.T. -0.03 min

Lab File: BG040078.D

Acq: 21 Mar 2019 23:10

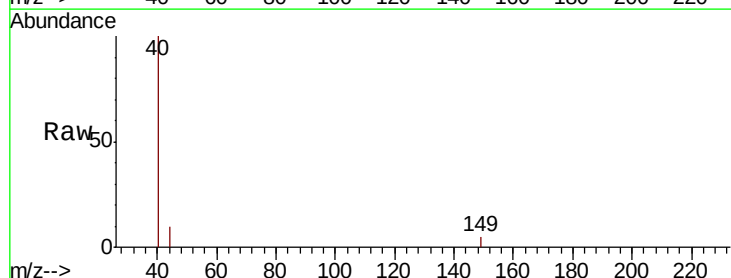
Tgt Ion:149 Resp: 236

Ion Ratio Lower Upper

149 100

177 0.0 18.3 27.5#

150 0.0 10.2 15.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

15.55

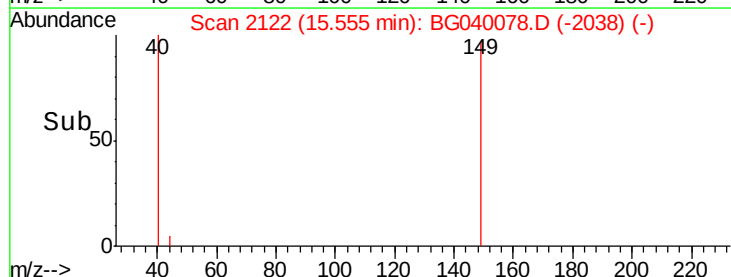
300

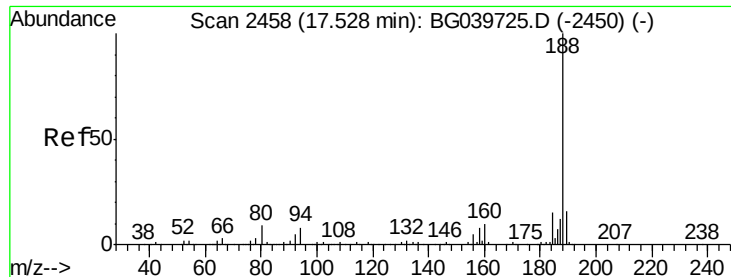
200

100

0

Time--> 15.52 15.54 15.56 15.58

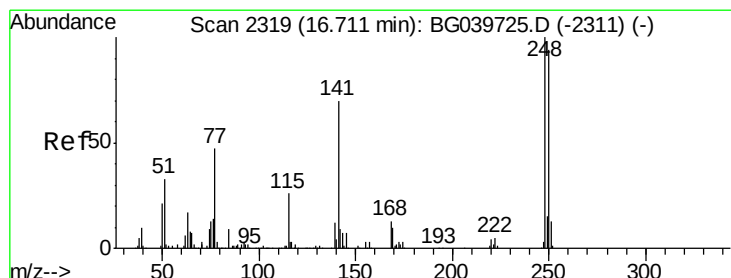
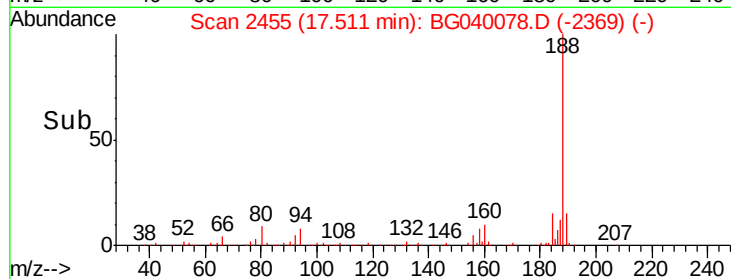
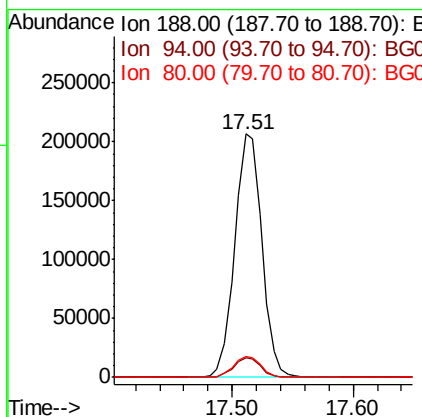
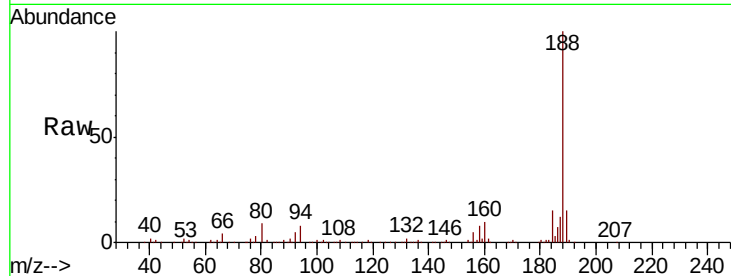




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.51 min Scan# 2455
 Delta R.T. -0.02 min
 Lab File: BG040078.D
 Acq: 21 Mar 2019 23:10

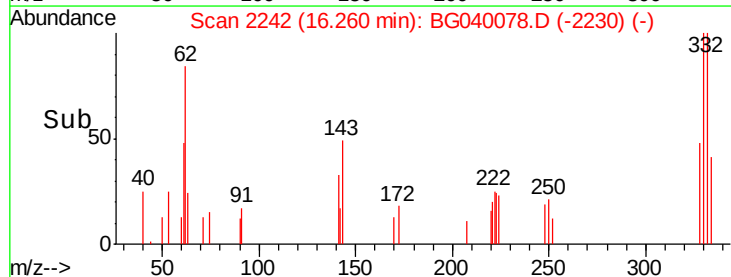
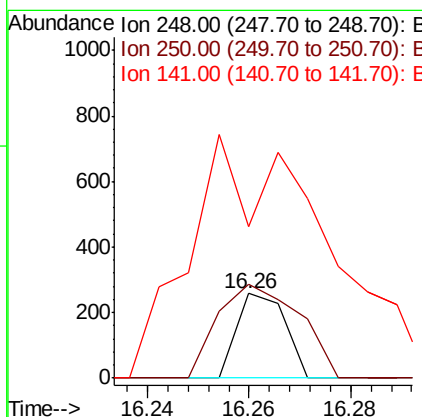
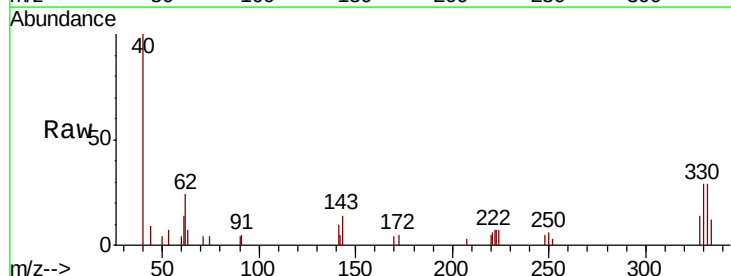
Instrument :
 BNA_G
 ClientSampled :
 S-5DL

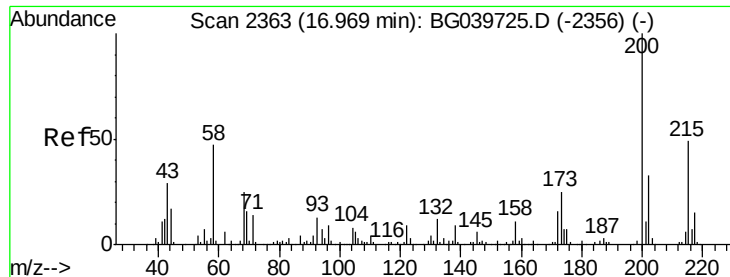
Tgt Ion:188 Resp: 323836
 Ion Ratio Lower Upper
 188 100
 94 8.0 6.9 10.3
 80 8.7 8.1 12.1



#67
 4-Bromophenyl-phenylether
 Concen: 0.047 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.46 min
 Lab File: BG040078.D
 Acq: 21 Mar 2019 23:10

Tgt Ion:248 Resp: 172
 Ion Ratio Lower Upper
 248 100
 250 111.2 77.6 116.4
 141 178.7 63.9 95.9#





#69

Atrazine

Concen: 0.015 ng

RT: 17.12 min Scan# 2388

Delta R.T. 0.15 min

Lab File: BG040078.D

Acq: 21 Mar 2019 23:10

Instrument :

BNA_G

ClientSampleId :

S-5DL

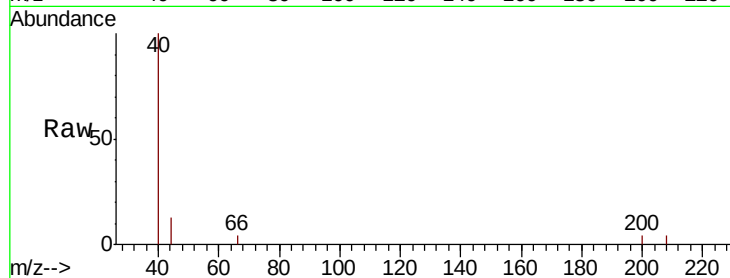
Tgt Ion:200 Resp: 55

Ion Ratio Lower Upper

200 100

173 0.0 3.9 43.9#

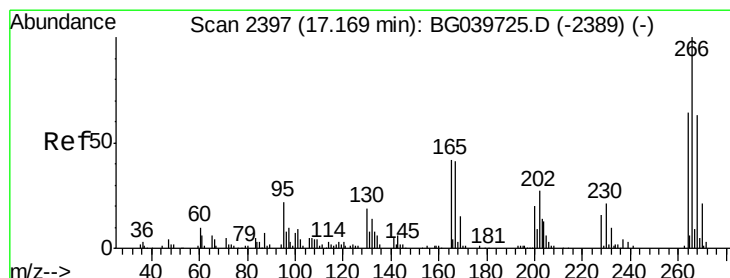
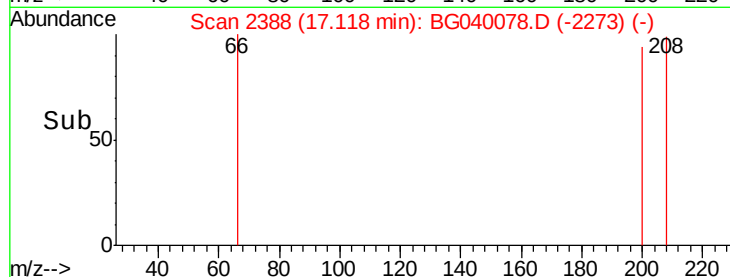
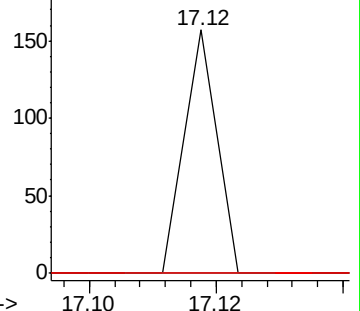
215 0.0 30.9 70.9#



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 0.022 ng

RT: 17.60 min Scan# 2470

Delta R.T. 0.43 min

Lab File: BG040078.D

Acq: 21 Mar 2019 23:10

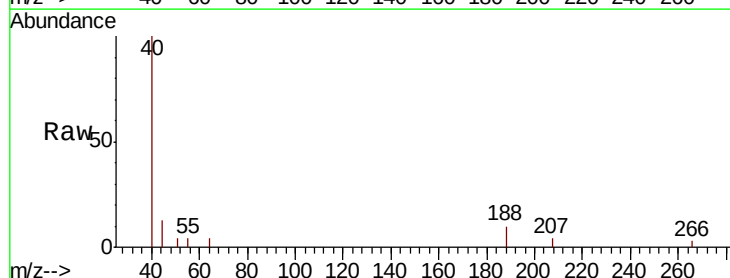
Tgt Ion:266 Resp: 53

Ion Ratio Lower Upper

266 100

268 0.0 51.1 76.7#

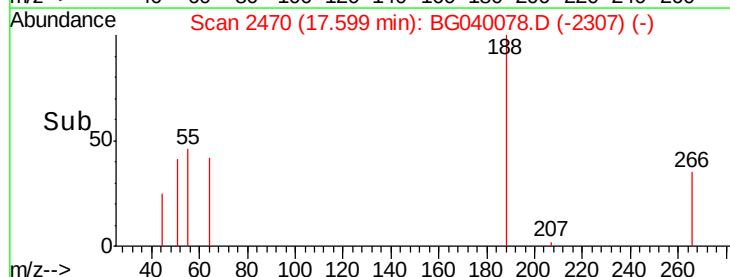
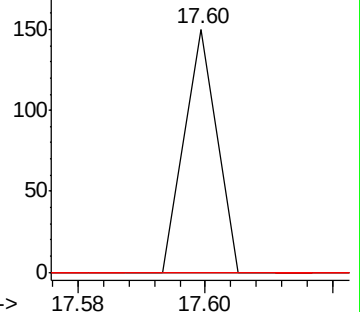
264 0.0 52.1 78.1#

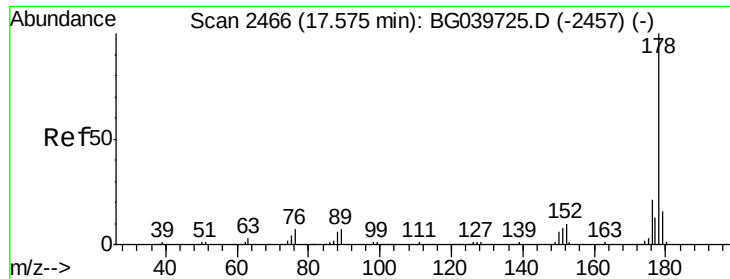


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

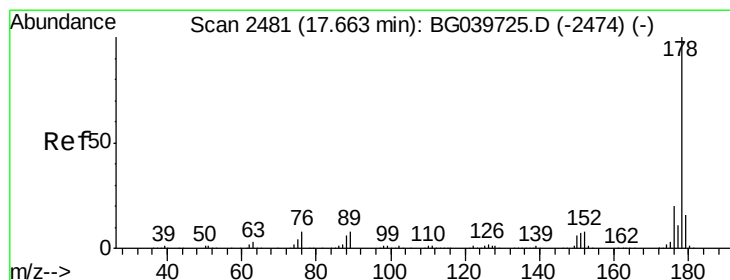
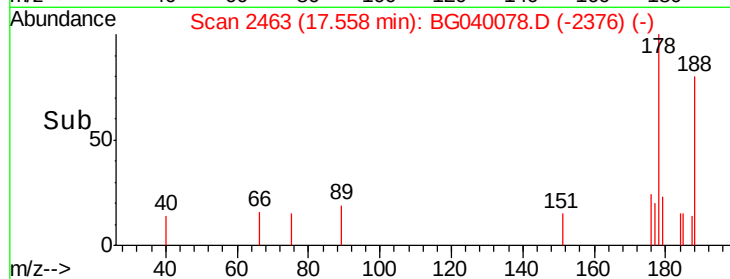
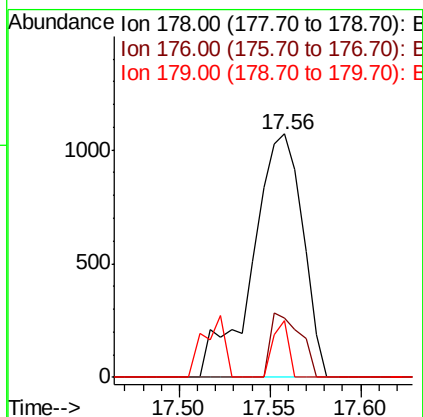
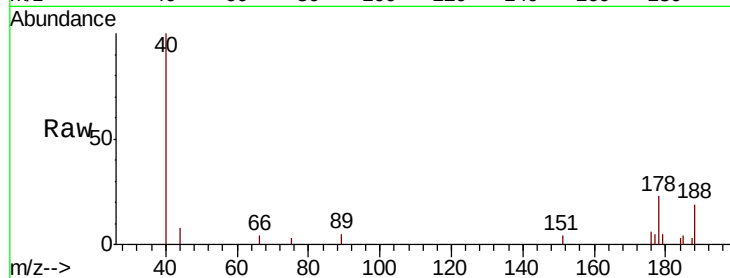




#71
 Phenanthrene
 Concen: 0.116 ng
 RT: 17.56 min Scan# 2463
 Delta R.T. -0.02 min
 Lab File: BG040078.D
 Acq: 21 Mar 2019 23:10

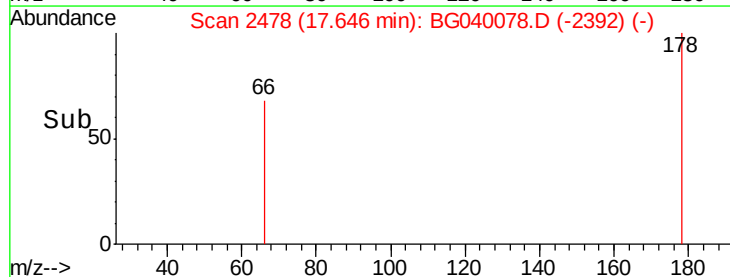
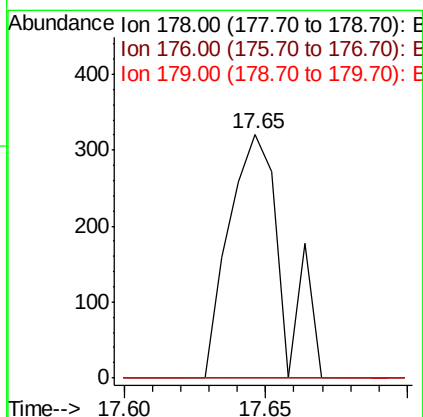
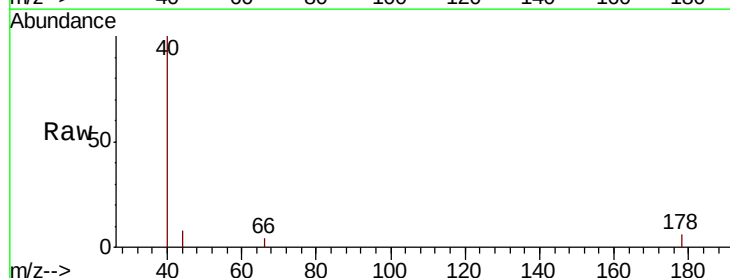
Instrument :
 BNA_G
 ClientSampleId :
 S-5DL

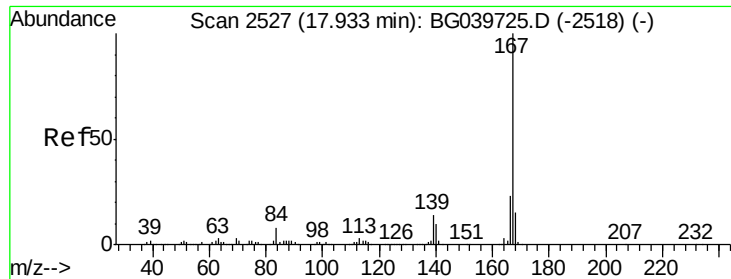
Tgt Ion:178 Resp: 2074
 Ion Ratio Lower Upper
 178 100
 176 24.2 16.2 24.4
 179 23.1 12.6 19.0#



#72
 Anthracene
 Concen: 0.024 ng
 RT: 17.65 min Scan# 2478
 Delta R.T. -0.02 min
 Lab File: BG040078.D
 Acq: 21 Mar 2019 23:10

Tgt Ion:178 Resp: 419
 Ion Ratio Lower Upper
 178 100
 176 0.0 15.8 23.6#
 179 0.0 12.5 18.7#





#73

Carbazole

Concen: 0.008 ng

RT: 17.92 min Scan# 2525

Delta R.T. -0.02 min

Lab File: BG040078.D

Acq: 21 Mar 2019 23:10

Instrument :

BNA_G

ClientSampled :

S-5DL

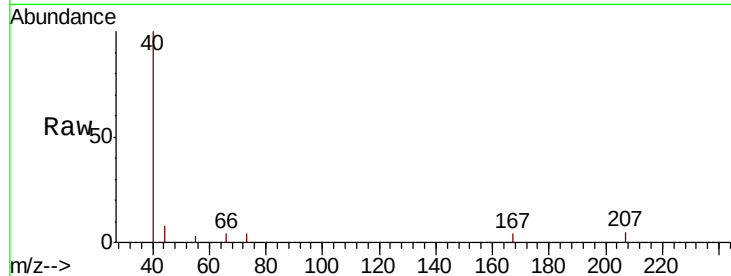
Tgt Ion:167 Resp: 119

Ion Ratio Lower Upper

167 100

166 0.0 19.4 29.2#

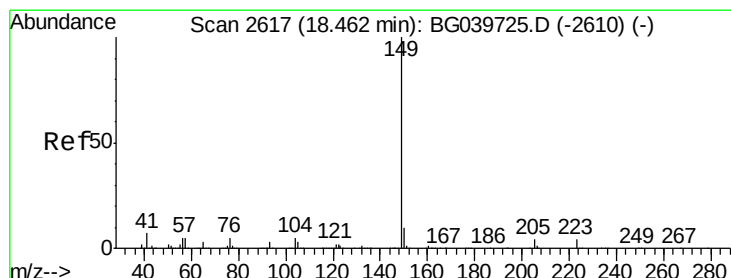
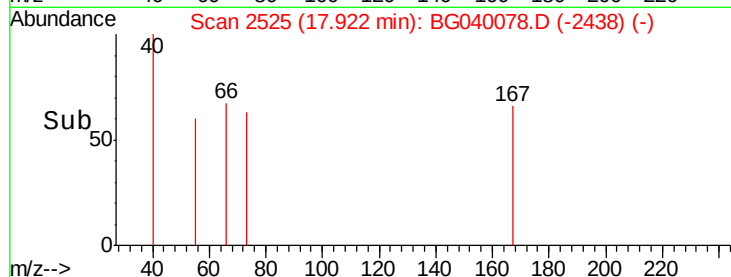
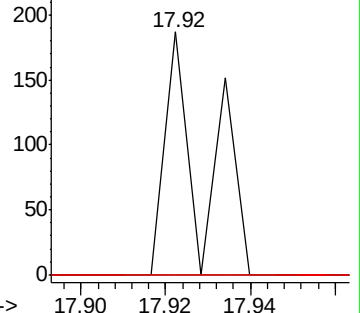
139 0.0 10.8 16.2#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 0.037 ng

RT: 18.44 min Scan# 2613

Delta R.T. -0.03 min

Lab File: BG040078.D

Acq: 21 Mar 2019 23:10

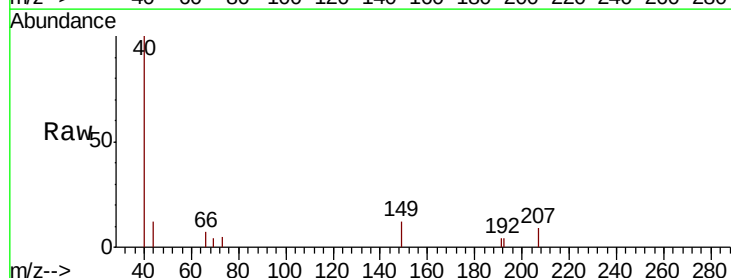
Tgt Ion:149 Resp: 686

Ion Ratio Lower Upper

149 100

150 0.0 7.7 11.5#

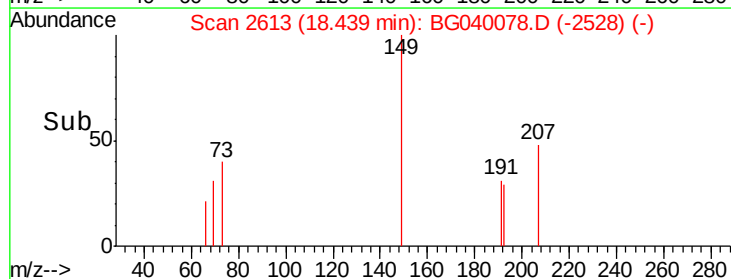
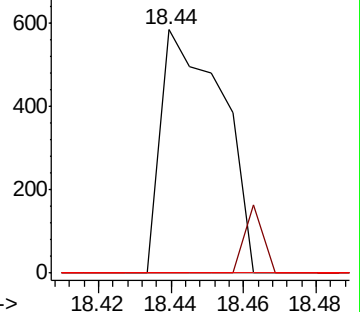
104 0.0 4.5 6.7#

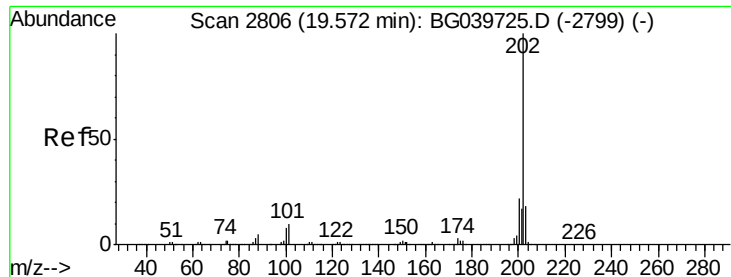


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 0.190 ng

RT: 19.56 min Scan# 2804

Delta R.T. -0.02 min

Lab File: BG040078.D

Acq: 21 Mar 2019 23:10

Instrument :

BNA_G

ClientSampleId :

S-5DL

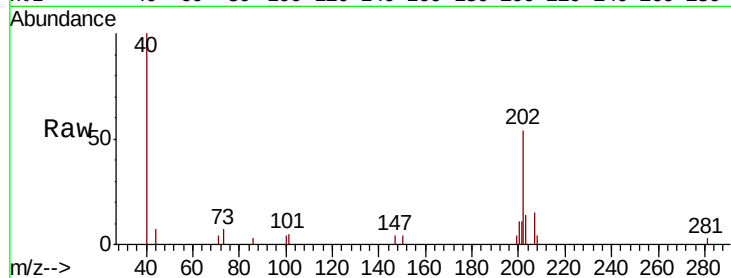
Tgt Ion:202 Resp: 3999

Ion Ratio Lower Upper

202 100

101 9.9 0.0 30.0

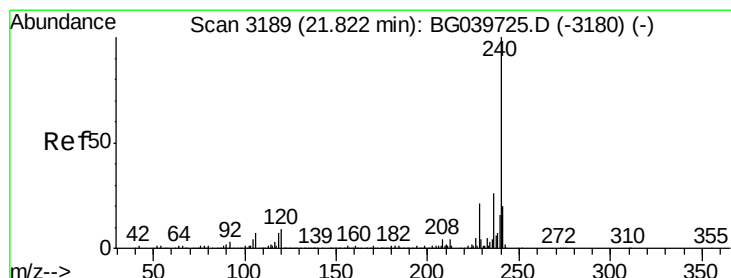
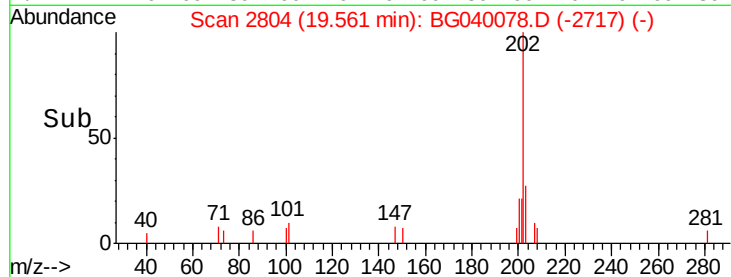
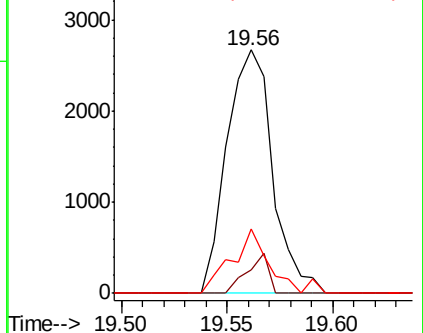
203 26.6 0.0 38.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.80 min Scan# 3185

Delta R.T. -0.03 min

Lab File: BG040078.D

Acq: 21 Mar 2019 23:10

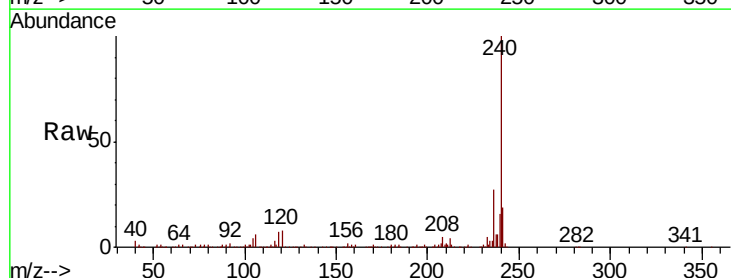
Tgt Ion:240 Resp: 308041

Ion Ratio Lower Upper

240 100

120 8.2 7.0 10.6

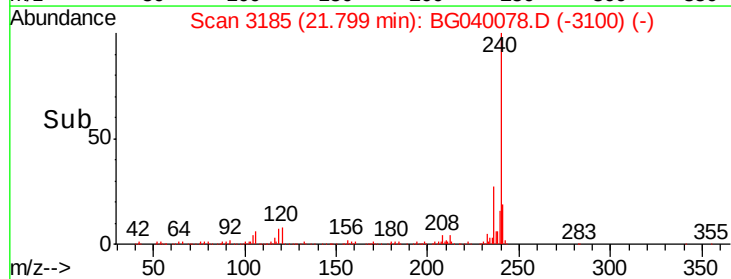
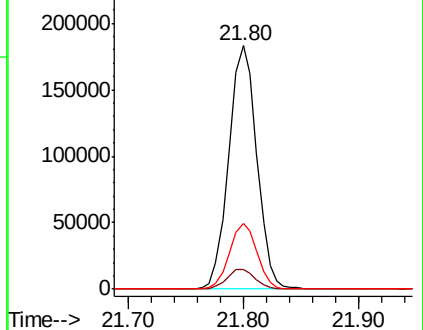
236 26.9 21.0 31.4

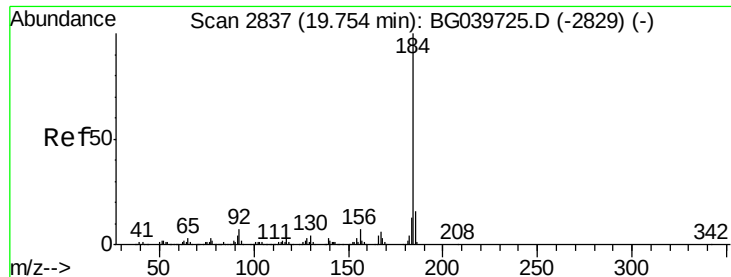


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 0.085 ng

RT: 20.10 min Scan# 2896

Delta R.T. 0.35 min

Lab File: BG040078.D

Acq: 21 Mar 2019 23:10

Instrument :

BNA_G

ClientSampleId :

S-5DL

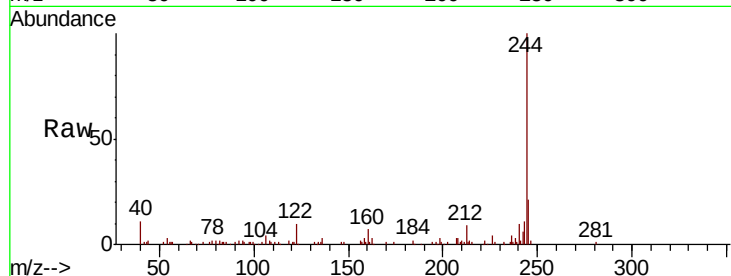
Tgt Ion:184 Resp: 826

Ion Ratio Lower Upper

184 100

185 23.8 12.2 18.2#

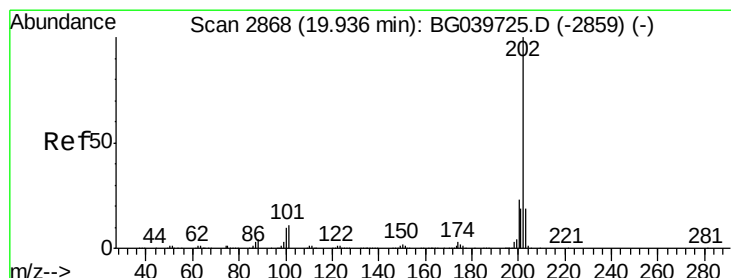
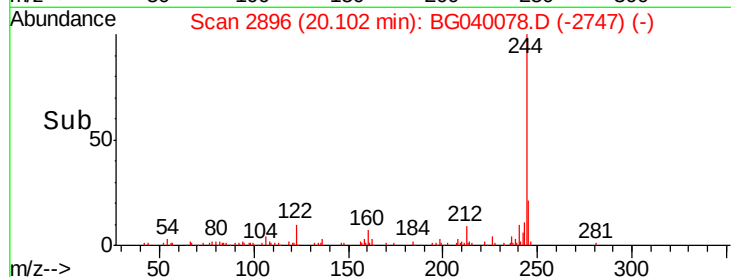
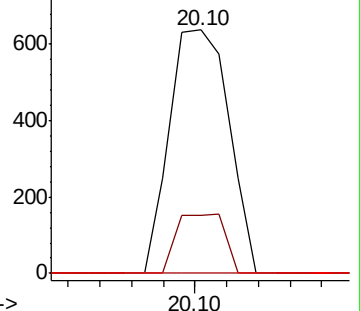
183 0.0 10.6 15.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 0.165 ng

RT: 19.93 min Scan# 2866

Delta R.T. -0.02 min

Lab File: BG040078.D

Acq: 21 Mar 2019 23:10

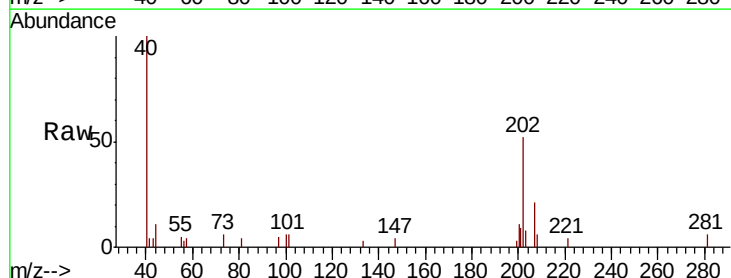
Tgt Ion:202 Resp: 3307

Ion Ratio Lower Upper

202 100

200 21.0 17.8 26.8

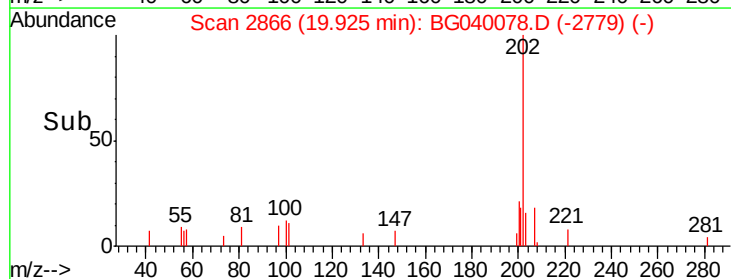
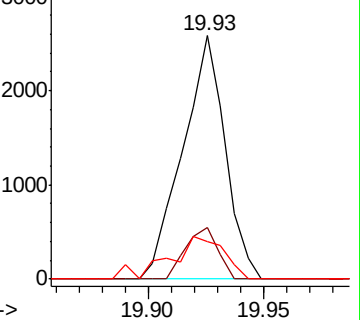
203 15.5 15.3 22.9

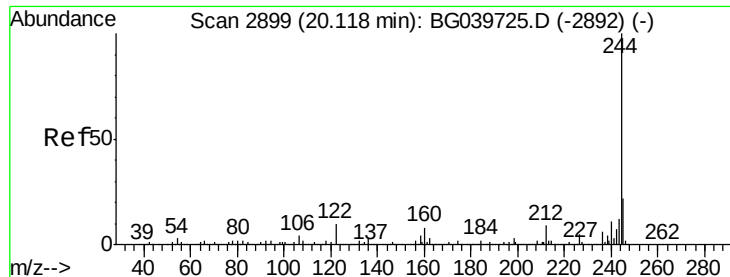


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 3.880 ng

RT: 20.10 min Scan# 2896

Delta R.T. -0.02 min

Lab File: BG040078.D

Acq: 21 Mar 2019 23:10

Instrument :

BNA_G

ClientSampled :

S-5DL

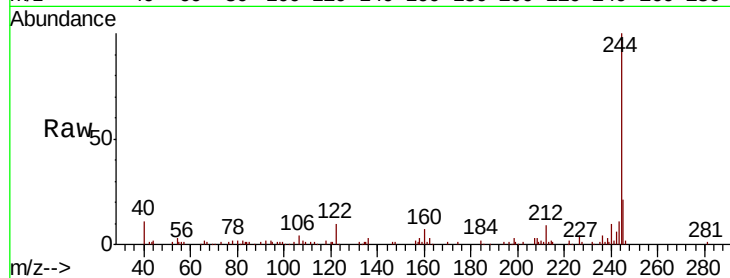
Tgt Ion:244 Resp: 54283

Ion Ratio Lower Upper

244 100

212 8.9 7.3 10.9

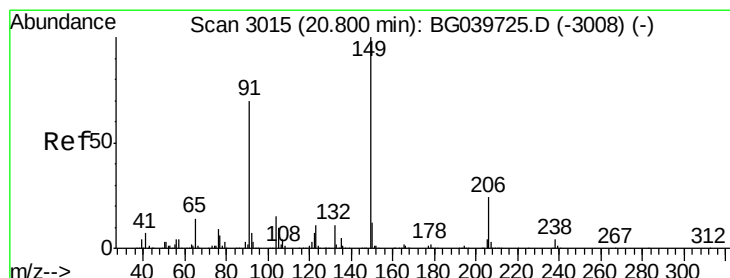
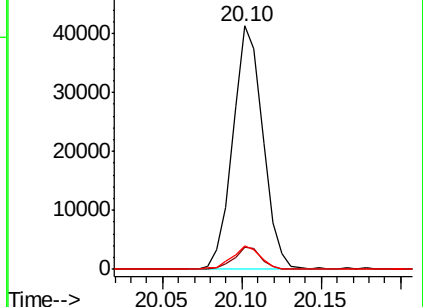
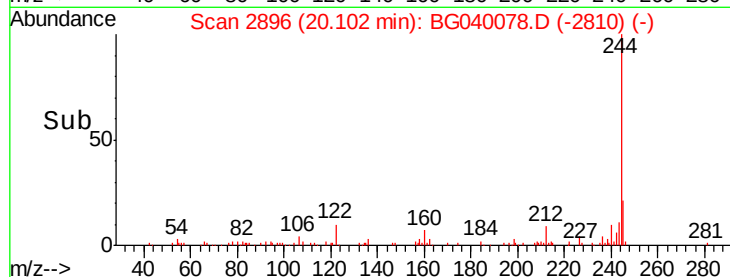
122 9.8 8.4 12.6



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



#80

Butylbenzylphthalate

Concen: 0.054 ng

RT: 20.78 min Scan# 3012

Delta R.T. -0.02 min

Lab File: BG040078.D

Acq: 21 Mar 2019 23:10

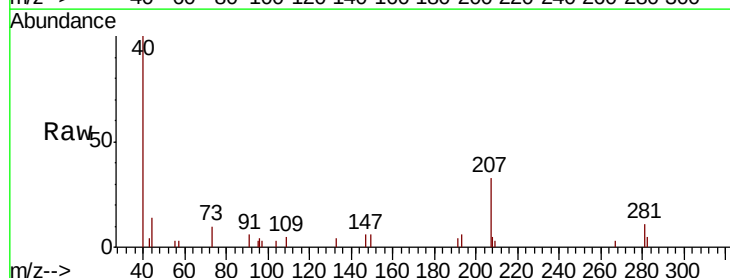
Tgt Ion:149 Resp: 418

Ion Ratio Lower Upper

149 100

91 94.7 59.5 89.3#

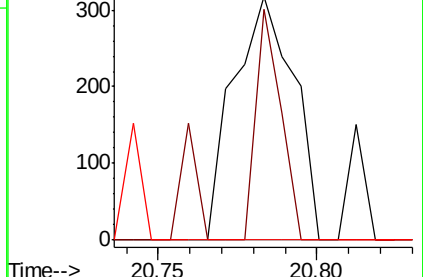
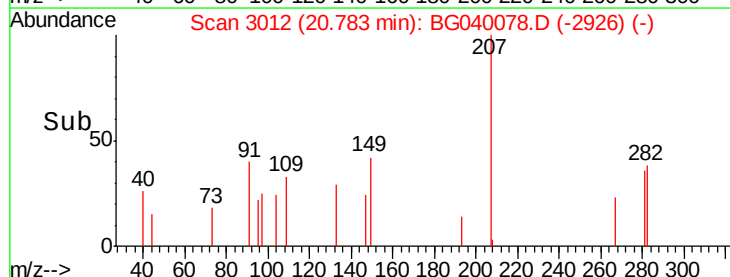
206 0.0 18.6 27.8#

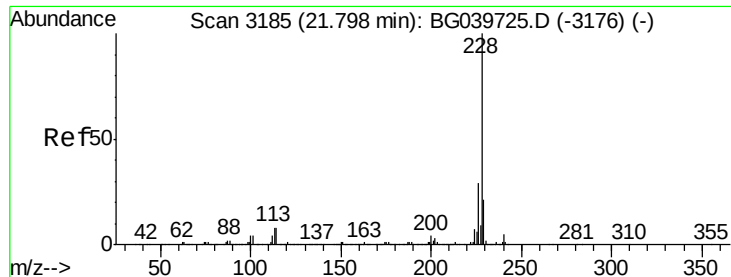


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 0.175 ng

RT: 21.78 min Scan# 3182

Delta R.T. -0.02 min

Lab File: BG040078.D

Acq: 21 Mar 2019 23:10

Instrument :

BNA_G

ClientSampleId :

S-5DL

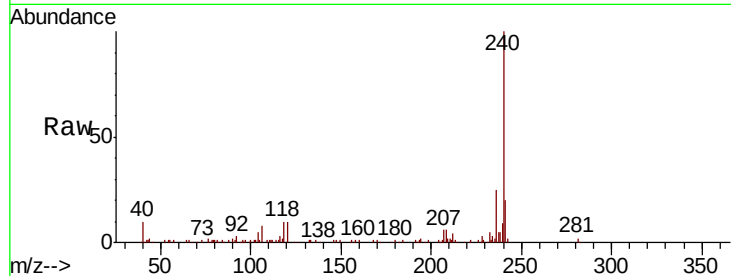
Tgt Ion:228 Resp: 3373

Ion Ratio Lower Upper

228 100

226 21.2 23.0 34.6#

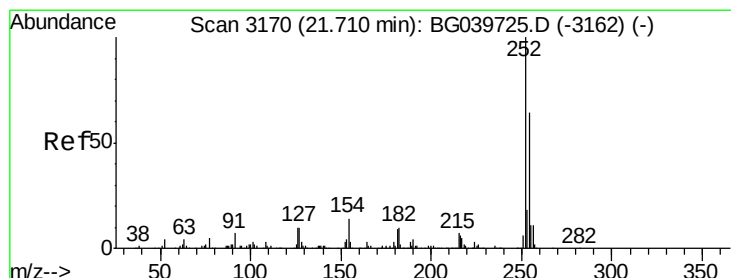
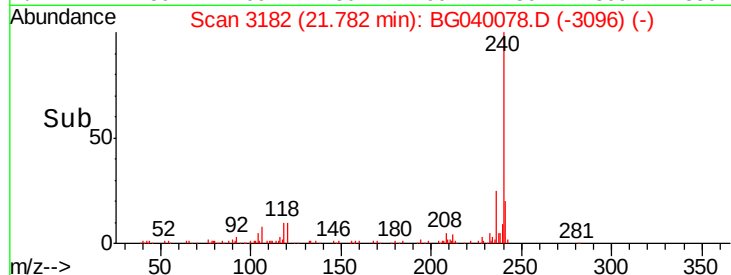
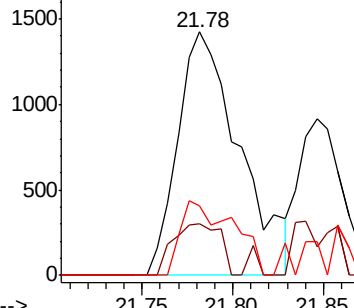
229 28.5 16.9 25.3#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 0.008 ng

RT: 21.97 min Scan# 3214

Delta R.T. 0.25 min

Lab File: BG040078.D

Acq: 21 Mar 2019 23:10

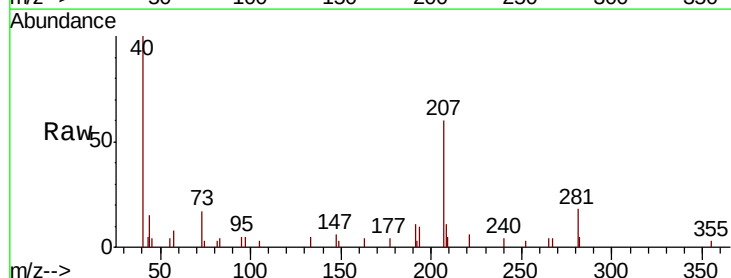
Tgt Ion:252 Resp: 58

Ion Ratio Lower Upper

252 100

254 0.0 51.3 76.9#

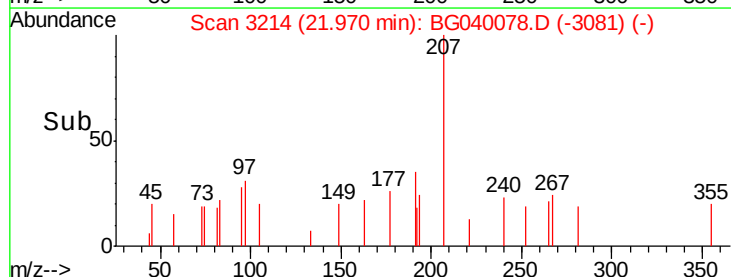
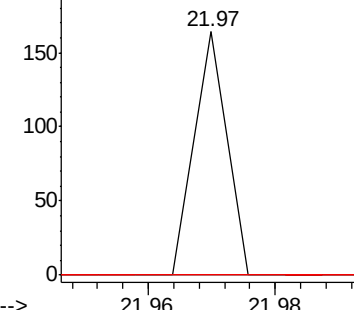
126 0.0 8.0 12.0#

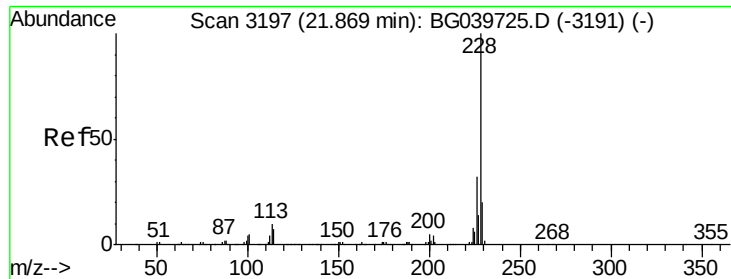


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 0.079 ng

RT: 21.85 min Scan# 3193

Delta R.T. -0.03 min

Lab File: BG040078.D

Acq: 21 Mar 2019 23:10

Instrument :

BNA_G

ClientSampleId :

S-5DL

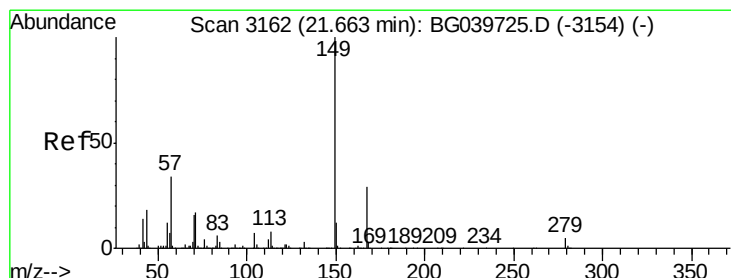
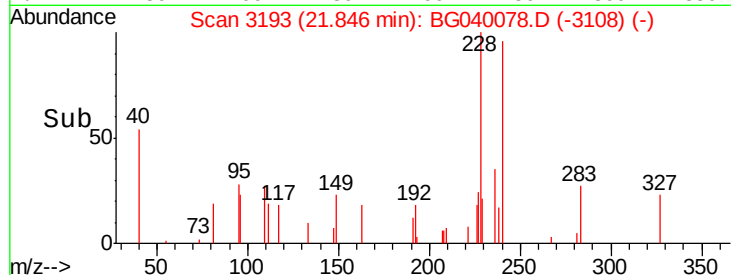
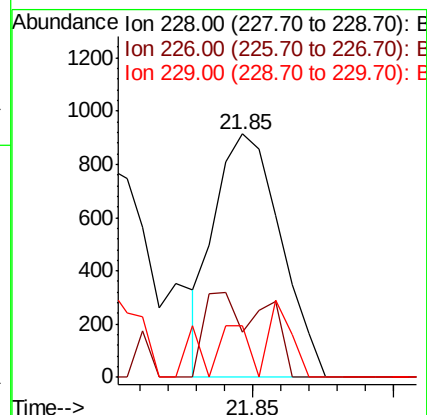
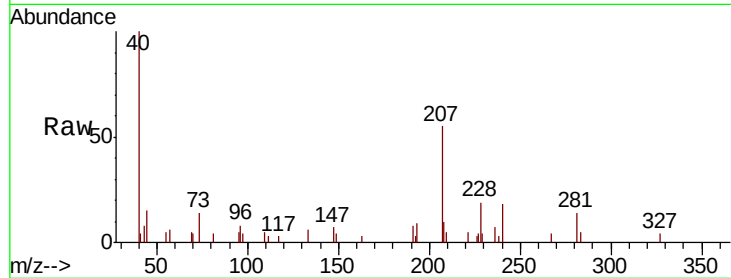
Tgt Ion:228 Resp: 1480

Ion Ratio Lower Upper

228 100

226 18.5 25.8 38.6#

229 21.3 16.6 25.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 48.150 ng

RT: 21.65 min Scan# 3159

Delta R.T. -0.02 min

Lab File: BG040078.D

Acq: 21 Mar 2019 23:10

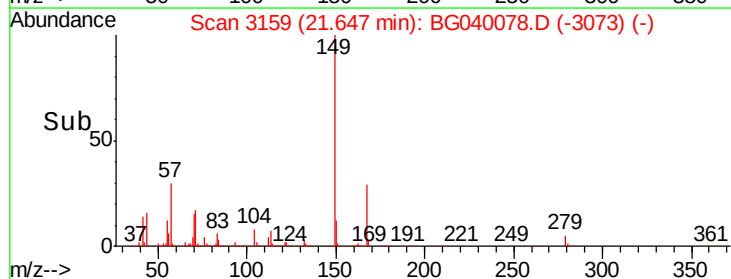
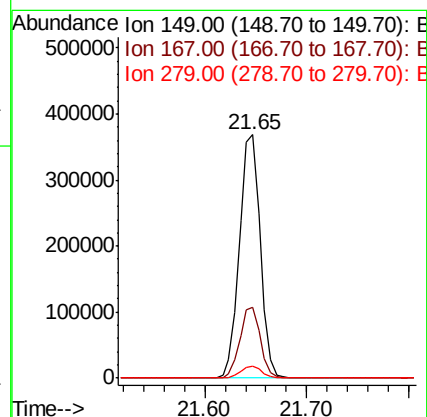
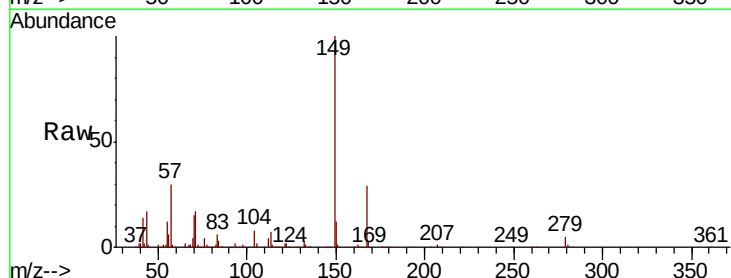
Tgt Ion:149 Resp: 524724

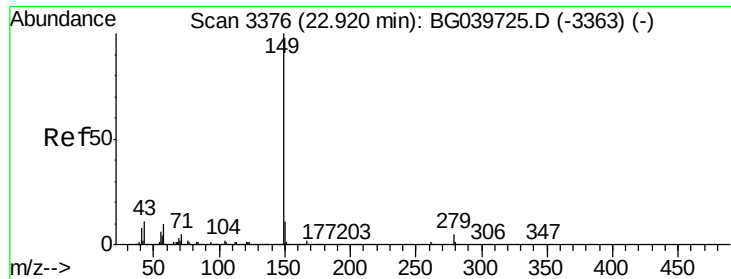
Ion Ratio Lower Upper

149 100

167 29.0 22.6 34.0

279 5.0 3.5 5.3





#85

Di-n-octyl phthalate

Concen: 0.111 ng

RT: 22.88 min Scan# 3369

Delta R.T. -0.05 min

Lab File: BG040078.D

Acq: 21 Mar 2019 23:10

Instrument :

BNA_G

ClientSampled :

S-5DL

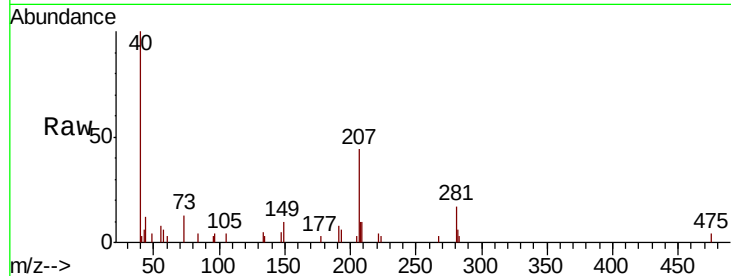
Tgt Ion:149 Resp: 2001

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

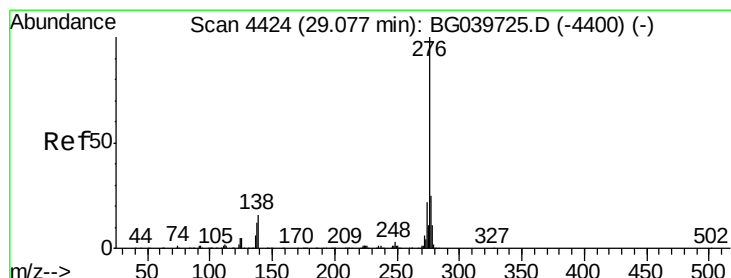
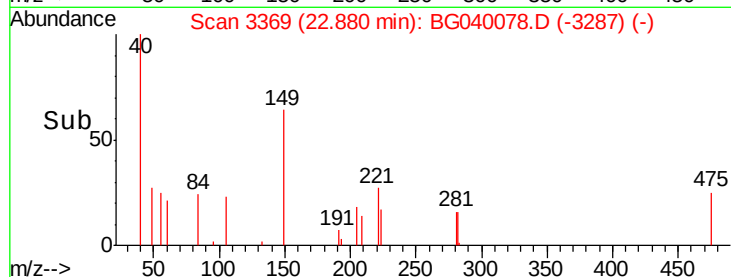
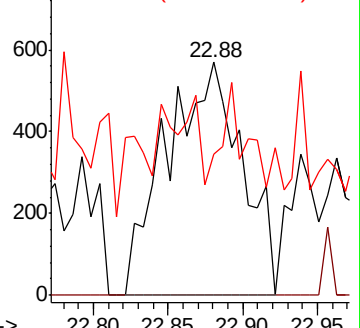
43 15.9 10.2 15.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#86

Indeno(1,2,3-cd)pyrene

Concen: 0.020 ng

RT: 29.05 min Scan# 4420

Delta R.T. -0.03 min

Lab File: BG040078.D

Acq: 21 Mar 2019 23:10

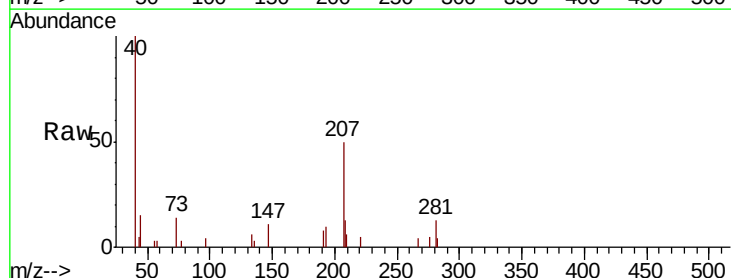
Tgt Ion:276 Resp: 435

Ion Ratio Lower Upper

276 100

138 0.0 12.6 19.0#

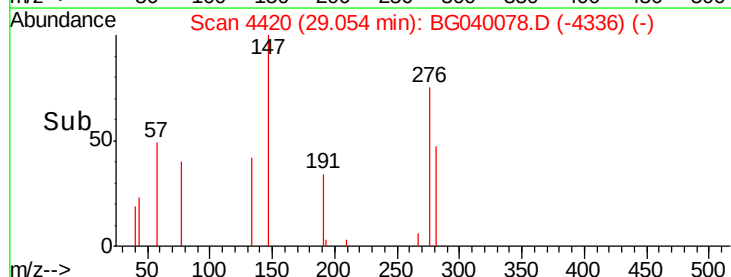
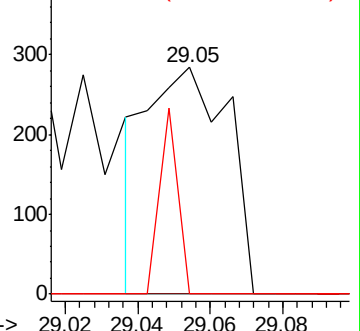
277 18.9 20.8 31.2#

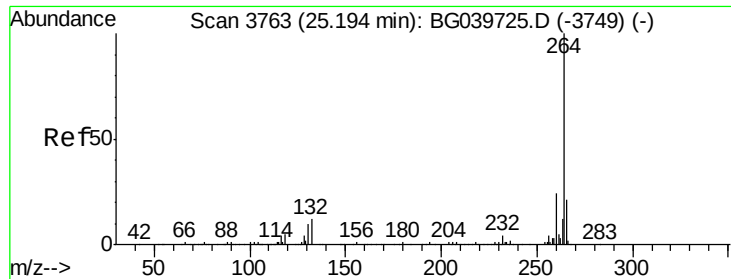


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 25.16 min Scan# 3757

Delta R.T. -0.04 min

Lab File: BG040078.D

Acq: 21 Mar 2019 23:10

Instrument :

BNA_G

ClientSampleId :

S-5DL

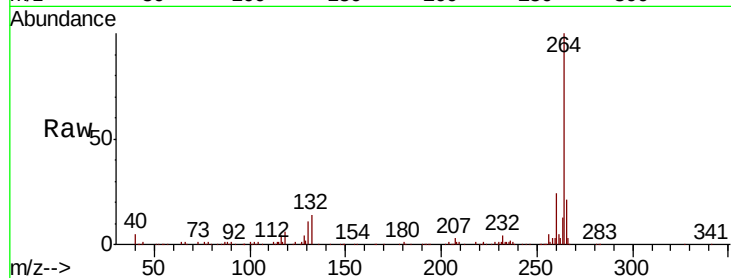
Tgt Ion:264 Resp: 311029

Ion Ratio Lower Upper

264 100

260 24.3 18.2 27.4

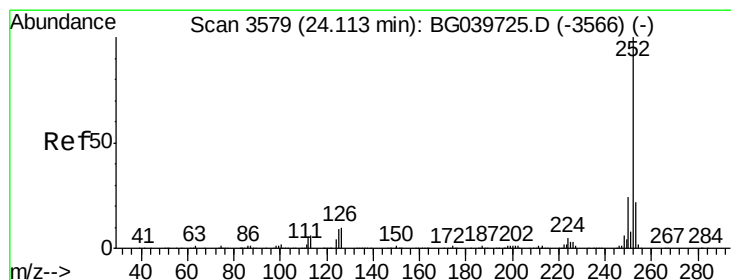
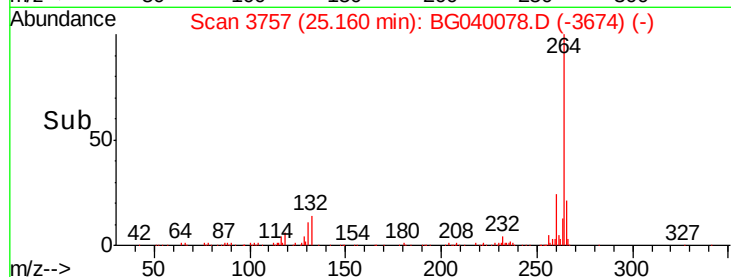
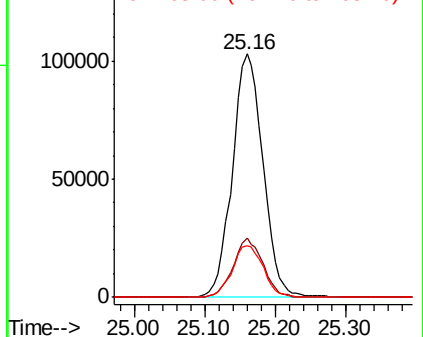
265 21.2 18.5 27.7



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



#88

Benzo(b)fluoranthene

Concen: 0.150 ng

RT: 24.08 min Scan# 3573

Delta R.T. -0.04 min

Lab File: BG040078.D

Acq: 21 Mar 2019 23:10

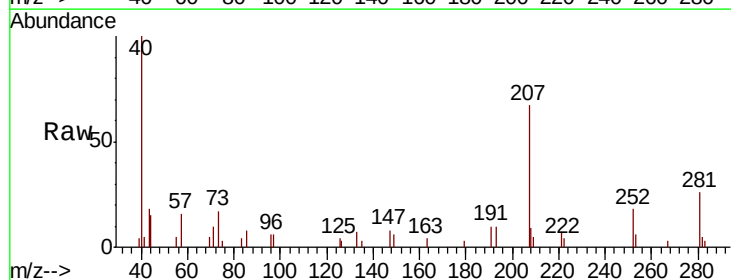
Tgt Ion:252 Resp: 2779

Ion Ratio Lower Upper

252 100

253 32.7 17.8 26.8#

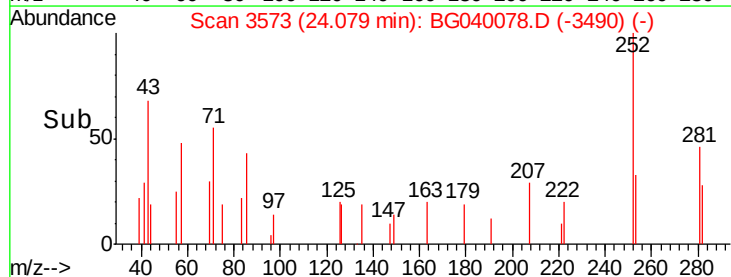
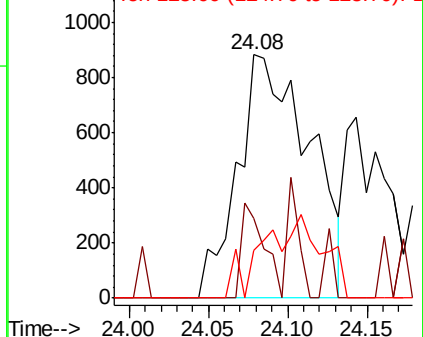
125 19.8 7.8 11.6#

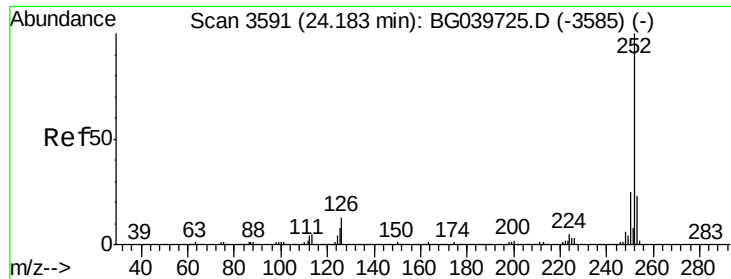


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

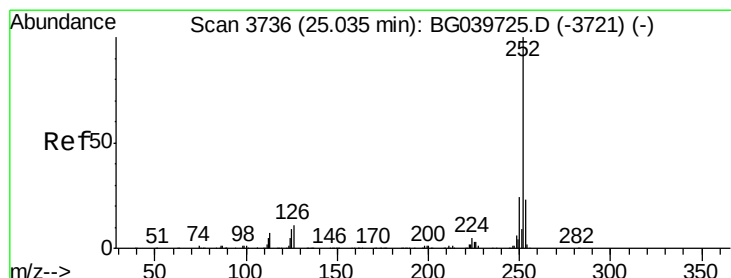
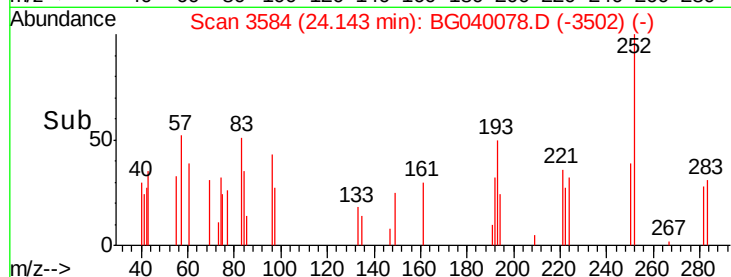
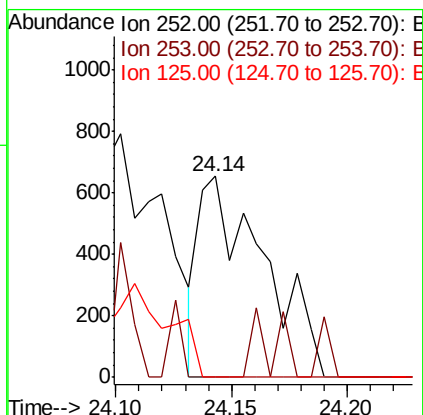
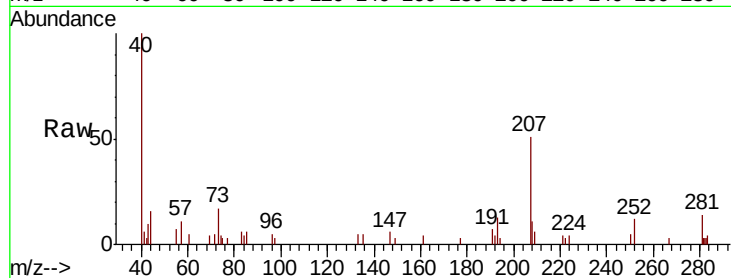




#89
Benzo(k)fluoranthene
Concen: 0.074 ng
RT: 24.14 min Scan# 3584
Delta R.T. -0.05 min
Lab File: BG040078.D
Acq: 21 Mar 2019 23:10

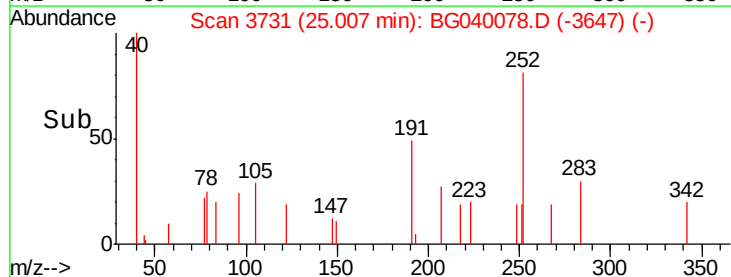
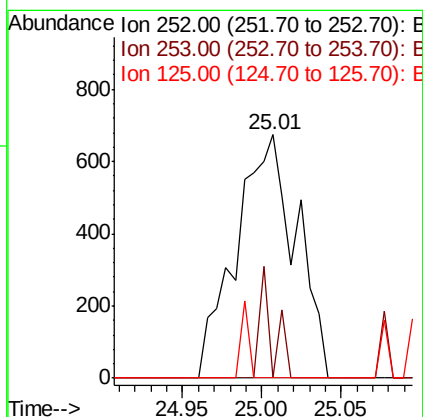
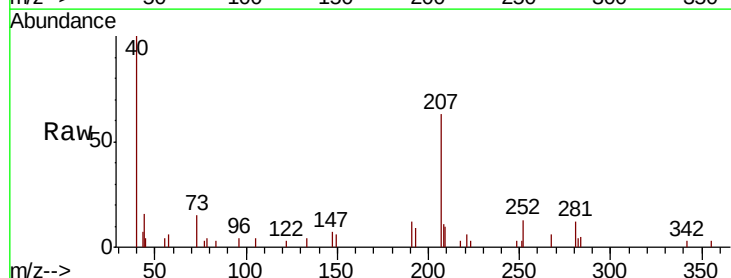
Instrument :
BNA_G
ClientSampleId :
S-5DL

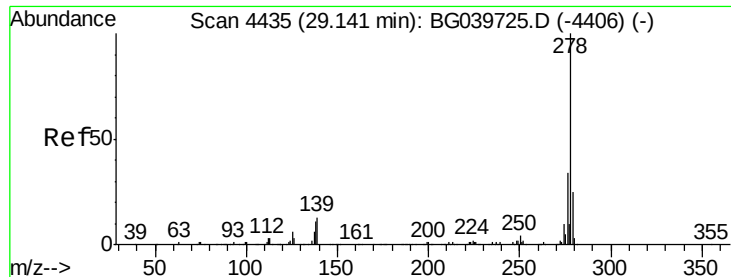
Tgt Ion:252 Resp: 1283
Ion Ratio Lower Upper
252 100
253 0.0 18.2 27.2#
125 0.0 7.4 11.2#



#90
Benzo(a)pyrene
Concen: 0.104 ng
RT: 25.01 min Scan# 3731
Delta R.T. -0.03 min
Lab File: BG040078.D
Acq: 21 Mar 2019 23:10

Tgt Ion:252 Resp: 1790
Ion Ratio Lower Upper
252 100
253 0.0 17.9 26.9#
125 0.0 8.3 12.5#





#91

Dibenzo(a,h)anthracene

Concen: 0.007 ng

RT: 29.10 min Scan# 4427

Delta R.T. -0.06 min

Lab File: BG040078.D

Acq: 21 Mar 2019 23:10

Instrument :

BNA_G

ClientSampled :

S-5DL

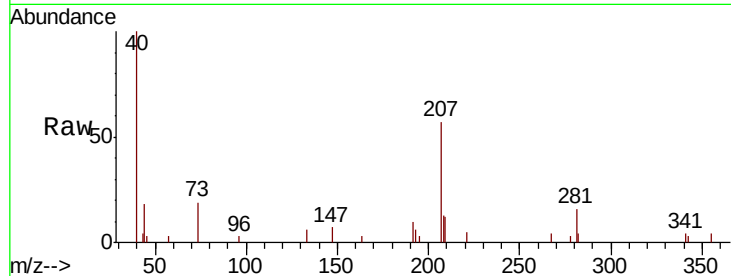
Tgt Ion: 278 Resp: 115

Ion Ratio Lower Upper

278 100

139 0.0 11.7 17.5#

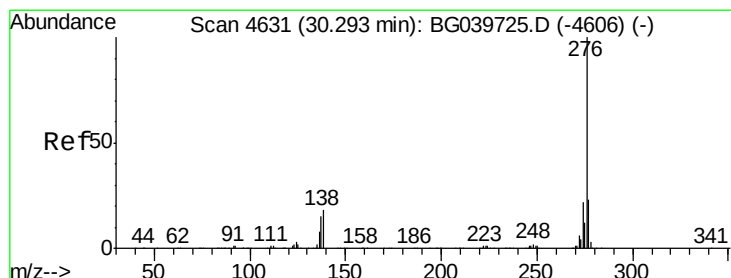
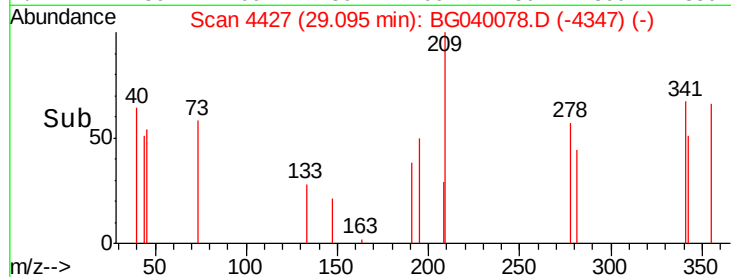
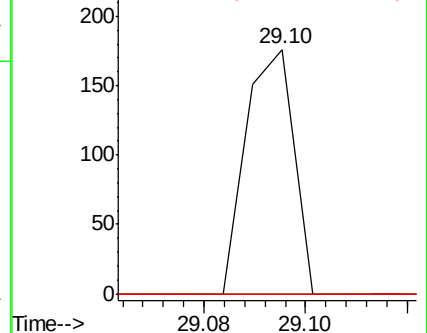
279 0.0 19.1 28.7#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 0.019 ng

RT: 30.28 min Scan# 4629

Delta R.T. -0.03 min

Lab File: BG040078.D

Acq: 21 Mar 2019 23:10

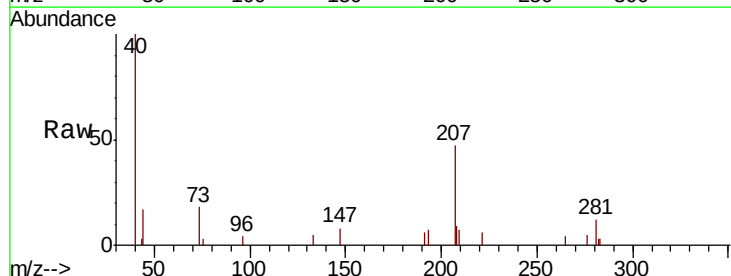
Tgt Ion: 276 Resp: 317

Ion Ratio Lower Upper

276 100

277 0.0 19.6 29.4#

138 0.0 14.7 22.1#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

