

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG030419\
 Data File : BG039742.D
 Acq On : 4 Mar 2019 22:06
 Operator : JU/SJ
 Sample : K1714-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-A-2-5

Quant Time: Mar 05 00:12:42 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	8.16	152	39401	20.00	ng	-0.01
21) Naphthalene-d8	10.98	136	173418	20.00	ng	-0.01
39) Acenaphthene-d10	14.78	164	121769	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	312109	20.00	ng	0.00
76) Chrysene-d12	21.81	240	325176	20.00	ng	-0.01
87) Perylene-d12	25.19	264	326079	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	234515	101.54	ng	0.00
7) Phenol-d6	7.30	99	349103	101.38	ng	-0.01
23) Nitrobenzene-d5	9.33	82	204922	63.91	ng	-0.01
42) 2,4,6-Tribromophenol	16.27	330	133619	94.14	ng	0.00
45) 2-Fluorobiphenyl	13.40	172	531016	62.09	ng	-0.01
79) Terphenyl-d14	20.12	244	896483	60.70	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.61	88	95	0.089	ng	# 1
3) Pyridine	4.04	79	53	0.019	ng	# 1
4) n-Nitrosodimethylamine	3.92	42	130	0.096	ng	# 1
6) Aniline	7.31	93	54	0.012	ng	# 1
9) Benzaldehyde	7.29	77	575	0.259	ng	# 4
10) Phenol	7.33	94	5143	1.379	ng	91
11) bis(2-Chloroethyl)ether	7.68	93	295	0.101	ng	# 1
15) Benzyl Alcohol	8.48	79	3560	1.303	ng	# 43
19) n-Nitroso-di-n-propylamine	9.33	70	26466	10.678	ng	# 67
24) Nitrobenzene	9.33	77	519	0.154	ng	# 42
25) Isophorone	9.43	82	478	0.071	ng	# 67
31) Naphthalene	10.98	128	68	0.007	ng	# 69
37) 2-Methylnaphthalene	13.08	142	71	0.010	ng	# 13
38) 1-Methylnaphthalene	13.08	142	71	0.011	ng	# 7
46) 1,1'-Biphenyl	13.61	154	696	0.069	ng	# 41
48) 2-Nitroaniline	13.88	65	55	0.023	ng	# 10
50) Dimethylphthalate	14.23	163	43347	4.257	ng	99
51) 2,6-Dinitrotoluene	14.78	165	16192	7.501	ng	# 24
52) Acenaphthene	14.78	154	535	0.072	ng	# 5
57) 2,4-Dinitrotoluene	14.78	165	16192	5.339	ng	# 19
58) Fluorene	16.27	166	5489	0.572	ng	# 71
60) Diethylphthalate	15.57	149	148	0.015	ng	# 58
63) Azobenzene	16.12	77	55	0.006	ng	# 47
65) 4,6-Dinitro-2-methylphenol	16.26	198	462	0.250	ng	# 71
66) n-Nitrosodiphenylamine	16.27	169	5815	0.644	ng	# 48
67) 4-Bromophenyl-phenylether	16.27	248	11151	3.192	ng	# 1
71) Phenanthrene	17.58	178	577	0.034	ng	# 59
72) Anthracene	17.58	178	577	0.034	ng	# 60
73) Carbazole	17.98	167	55	0.004	ng	# 57
74) Di-n-butylphthalate	18.46	149	1650	0.093	ng	# 77
75) Fluoranthene	19.57	202	1029	0.051	ng	63
77) Benzidine	20.12	184	15483	1.500	ng	# 96
78) Pyrene	19.93	202	1042	0.049	ng	# 55
80) Butylbenzylphthalate	20.83	149	61	0.007	ng	# 22

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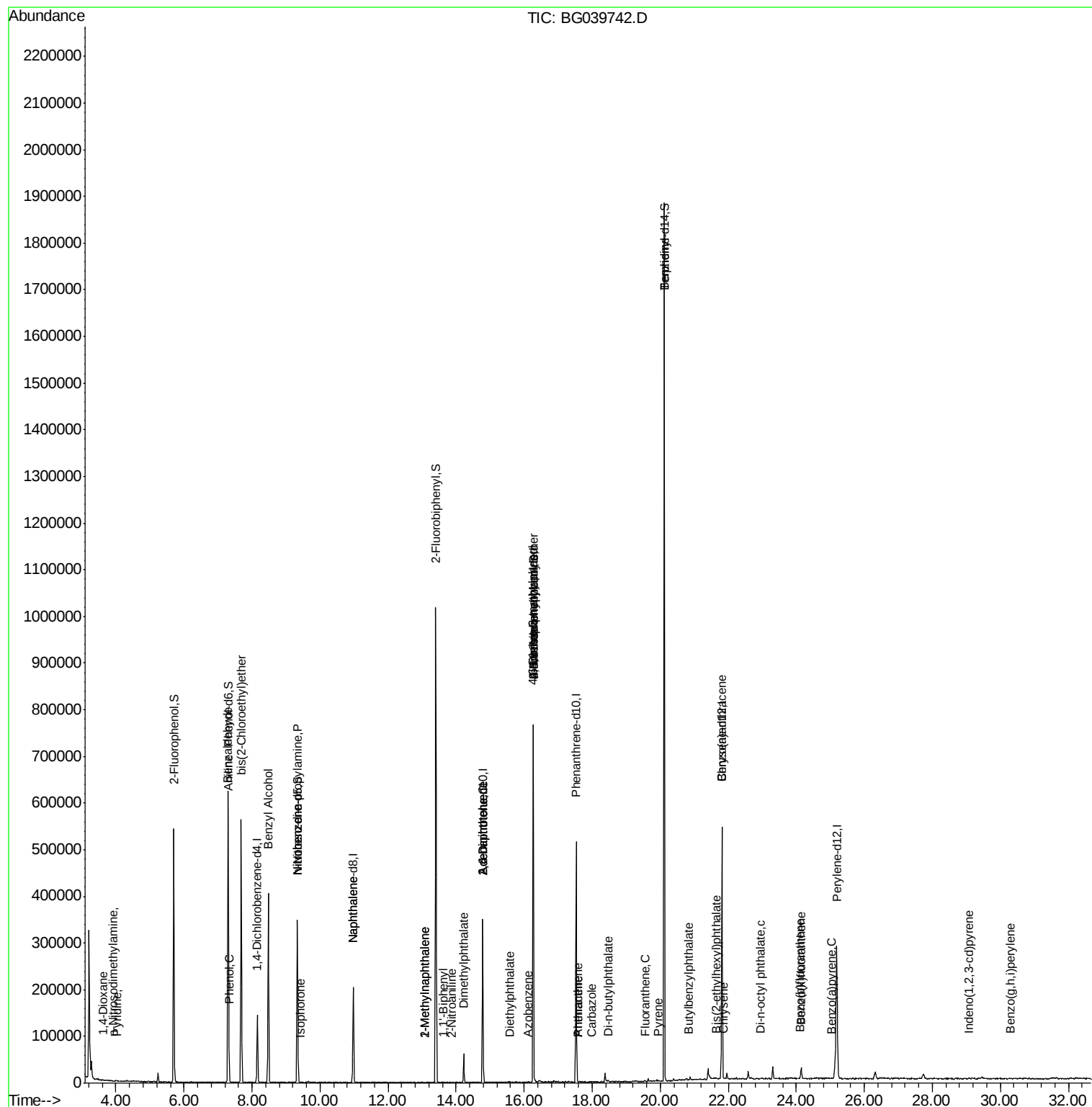
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) Benzo(a)anthracene	21.81	228	1761	0.086	ng	# 57
83) Chrysene	21.87	228	559	0.028	ng	# 48
84) Bis(2-ethylhexyl)phthalate	21.66	149	636	0.055	ng	# 93
85) Di-n-octyl phthalate	22.96	149	54	0.003	ng	# 1
86) Indeno(1,2,3-cd)pyrene	29.07	276	56	0.002	ng	# 54
88) Benzo(b)fluoranthene	24.11	252	428	0.022	ng	# 72
89) Benzo(k)fluoranthene	24.16	252	150	0.008	ng	# 1
90) Benzo(a)pyrene	25.03	252	726	0.040	ng	# 75
92) Benzo(g,h,i)perylene	30.29	276	60	0.003	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: 8.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: BG039742.D

Acq: 4 Mar 2019 22:06

Instrument :

BNA_G

ClientSampleId :

SB-A-2-5

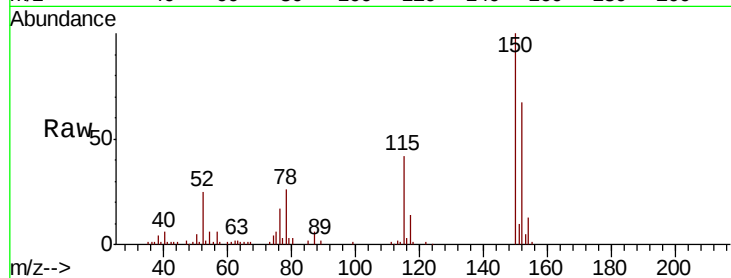
Tgt Ion:152 Resp: 39401

Ion Ratio Lower Upper

152 100

150 149.9 123.7 185.5

115 62.3 45.9 68.9

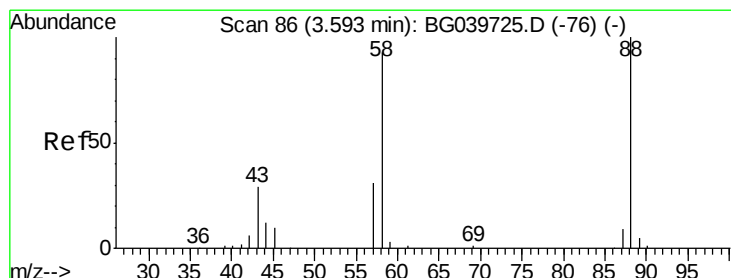
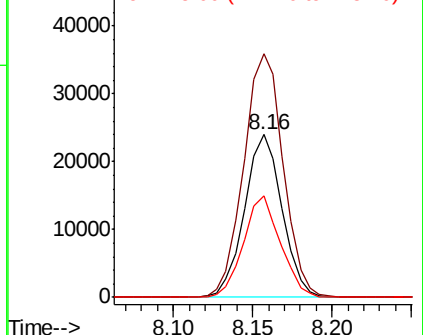
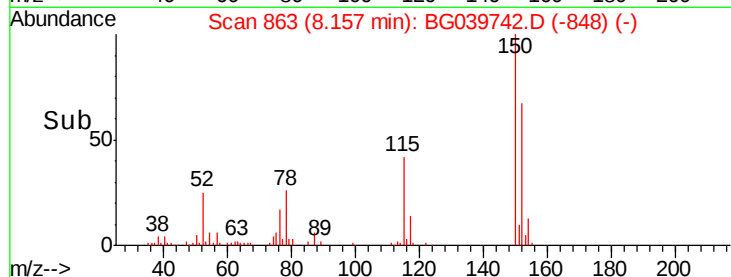


Abundance

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: 0.089 ng

RT: 3.61 min Scan# 89

Delta R.T. 0.00 min

Lab File: BG039742.D

Acq: 4 Mar 2019 22:06

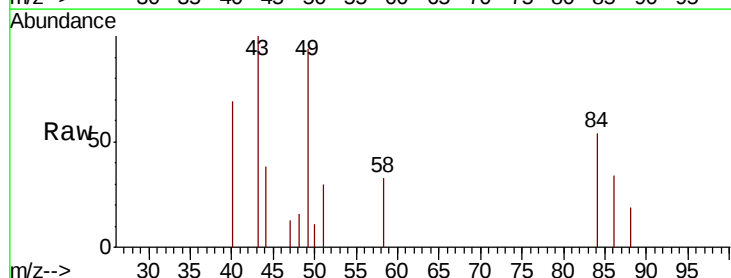
Tgt Ion: 88 Resp: 95

Ion Ratio Lower Upper

88 100

58 224.2 81.1 121.7#

43 769.5 31.4 47.0#

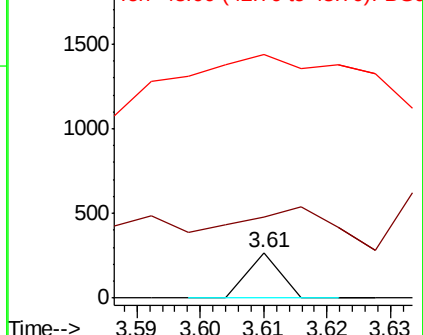
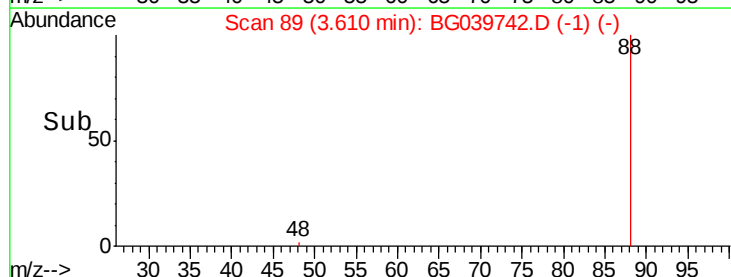


Abundance

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





#3

Pyridine

Concen: 0.019 ng

RT: 4.04 min Scan# 163

Delta R.T. 0.04 min

Lab File: BG039742.D

Acq: 4 Mar 2019 22:06

Instrument :

BNA_G

ClientSampleId :

SB-A-2-5

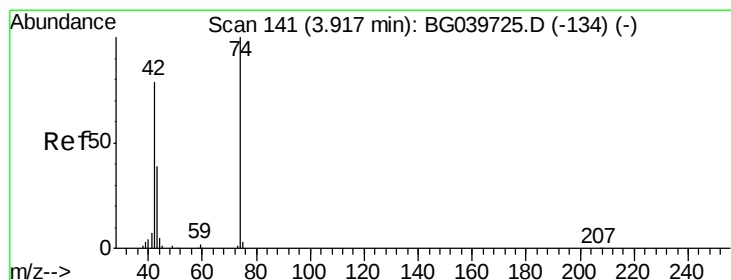
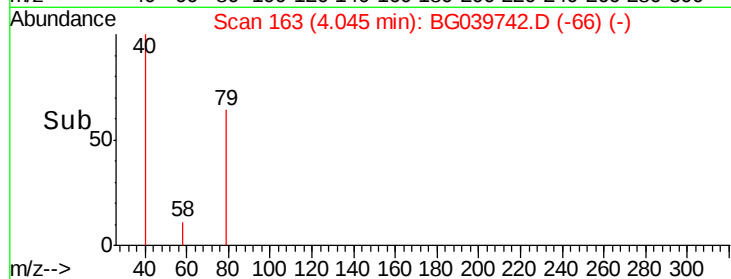
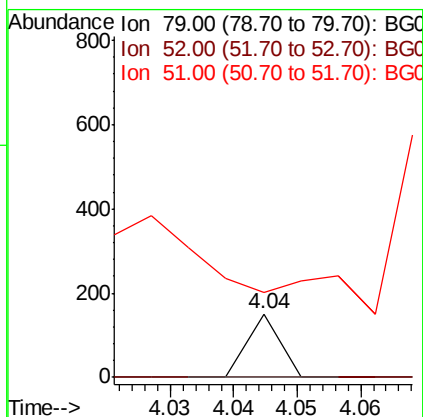
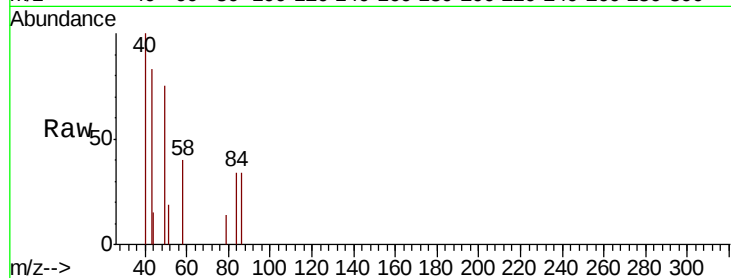
Tgt Ion: 79 Resp: 53

Ion Ratio Lower Upper

79 100

52 0.0 82.6 124.0#

51 134.4 37.5 56.3#



#4

n-Nitrosodimethylamine

Concen: 0.096 ng

RT: 3.92 min Scan# 141

Delta R.T. -0.01 min

Lab File: BG039742.D

Acq: 4 Mar 2019 22:06

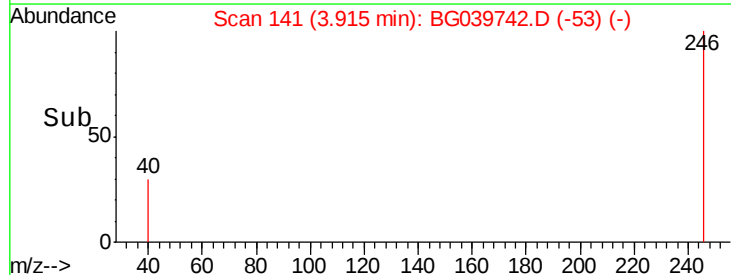
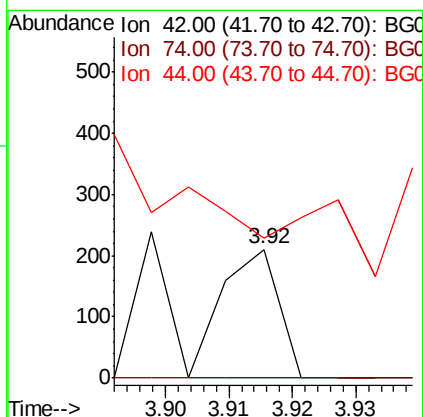
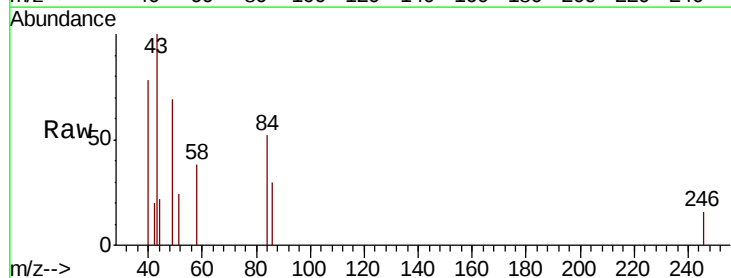
Tgt Ion: 42 Resp: 130

Ion Ratio Lower Upper

42 100

74 0.0 83.6 125.4#

44 109.0 6.9 10.3#





#5

2-Fluorophenol

Concen: 101.542 ng

RT: 5.70 min Scan# 445

Delta R.T. -0.01 min

Lab File: BG039742.D

Acq: 4 Mar 2019 22:06

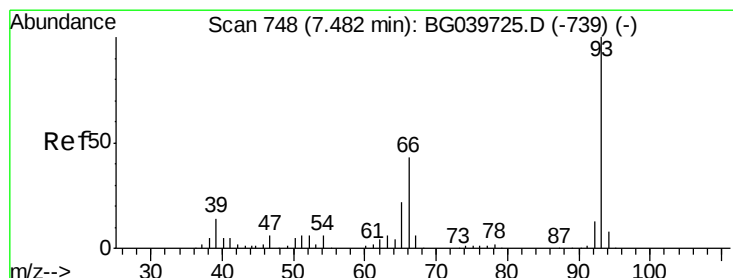
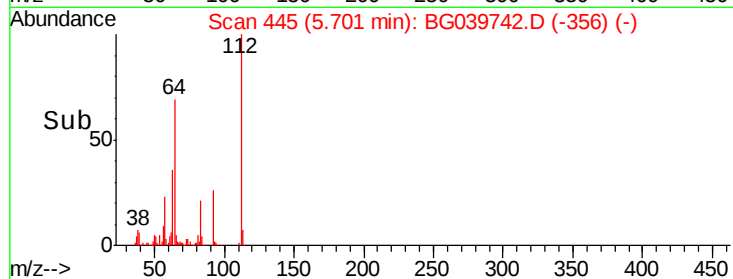
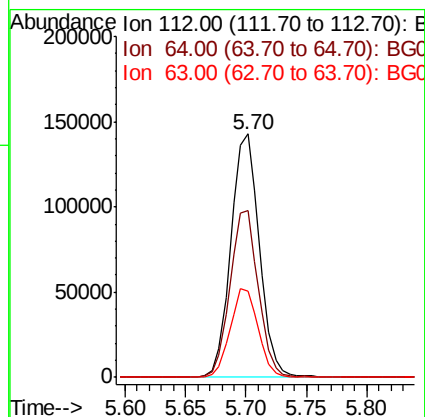
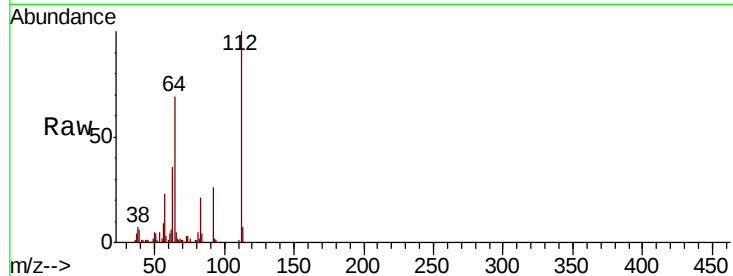
Instrument :

BNA_G

ClientSampleId :

SB-A-2-5

Tgt Ion:	112	Resp:	234515
Ion	Ratio	Lower	Upper
112	100		
64	68.6	57.8	86.8
63	35.6	29.8	44.6



#6

Aniline

Concen: 0.012 ng

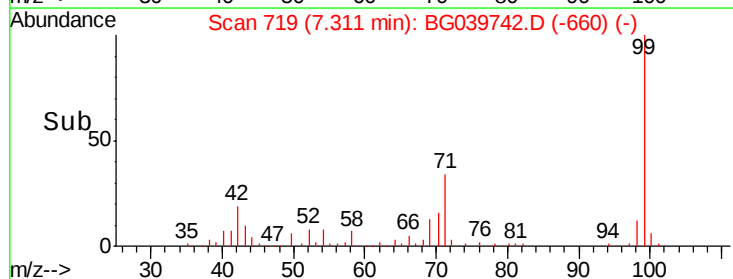
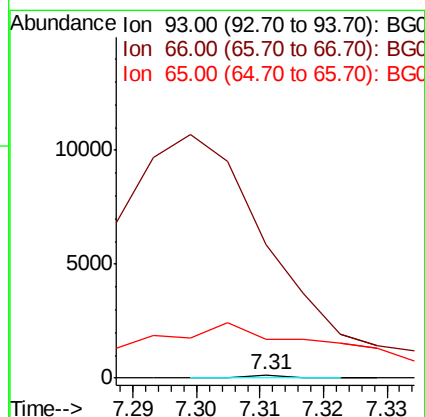
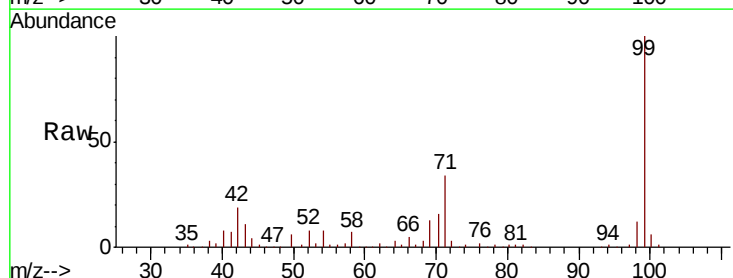
RT: 7.31 min Scan# 719

Delta R.T. -0.18 min

Lab File: BG039742.D

Acq: 4 Mar 2019 22:06

Tgt Ion:	93	Resp:	54
Ion	Ratio	Lower	Upper
93	100		
66	3808.4	34.2	51.4#
65	1111.0	17.7	26.5#





#7

Phenol-d6

Concen: 101.376 ng

RT: 7.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BG039742.D

Acq: 4 Mar 2019 22:06

Instrument :

BNA_G

ClientSampled :

SB-A-2-5

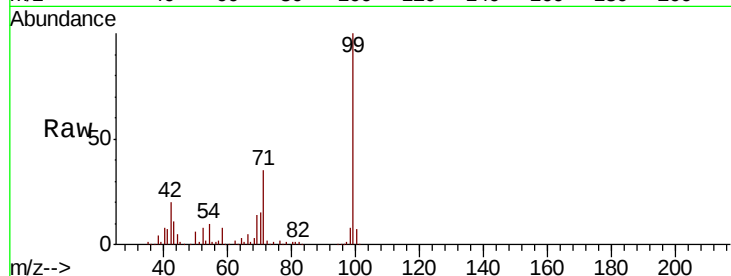
Tgt Ion: 99 Resp: 349103

Ion Ratio Lower Upper

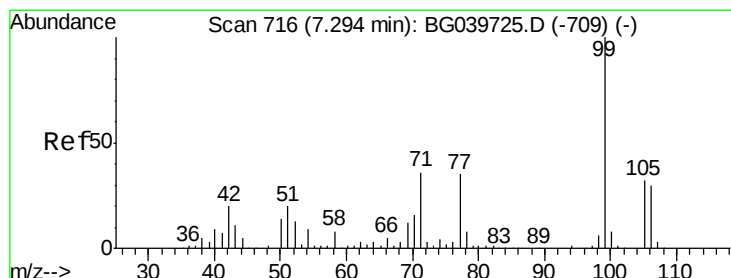
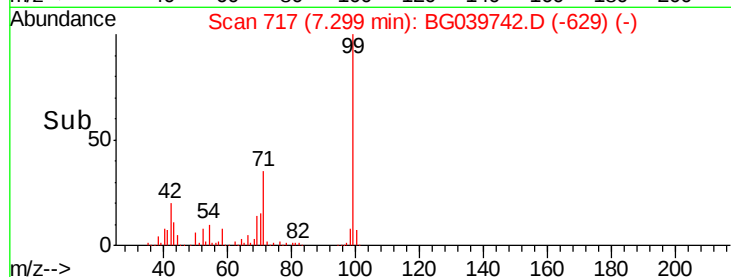
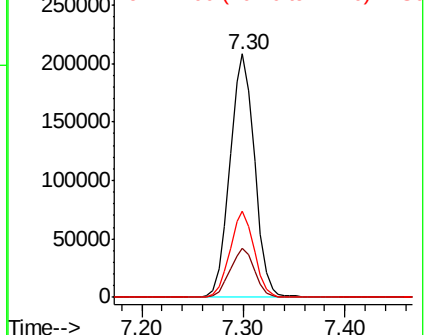
99 100

42 20.4 18.2 27.2

71 35.2 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



#9

Benzaldehyde

Concen: 0.259 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.02 min

Lab File: BG039742.D

Acq: 4 Mar 2019 22:06

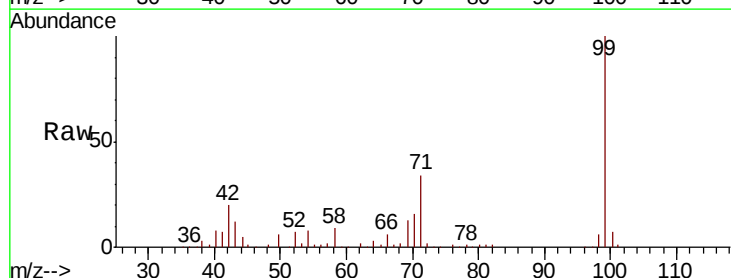
Tgt Ion: 77 Resp: 575

Ion Ratio Lower Upper

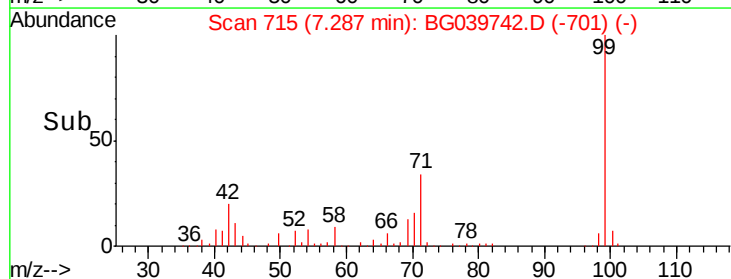
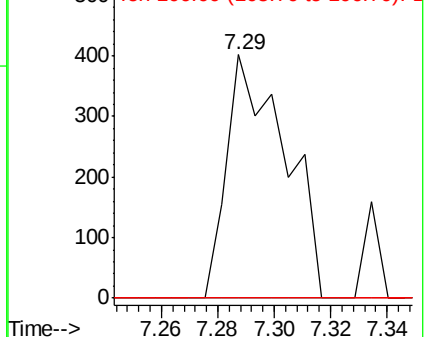
77 100

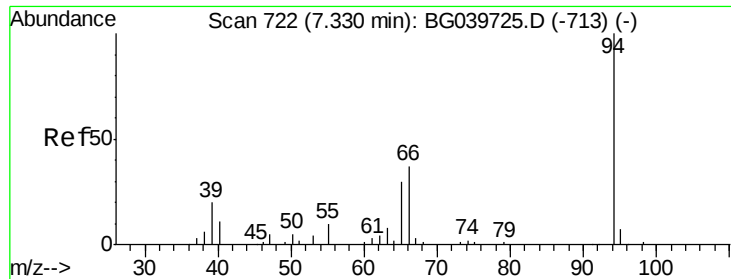
105 0.0 74.5 114.5#

106 0.0 68.0 108.0#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC





#10

Phenol

Concen: 1.379 ng

RT: 7.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BG039742.D

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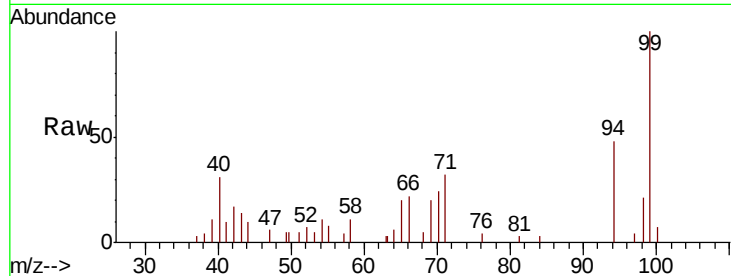
Tgt Ion: 94 Resp: 5143

Ion Ratio Lower Upper

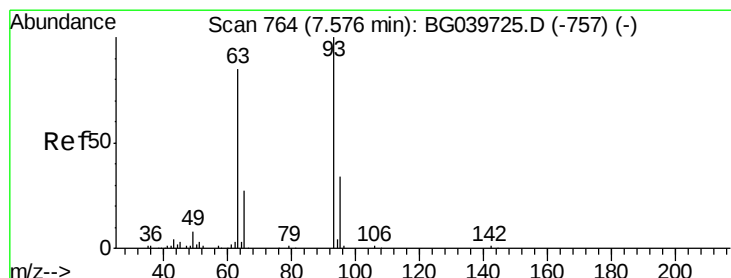
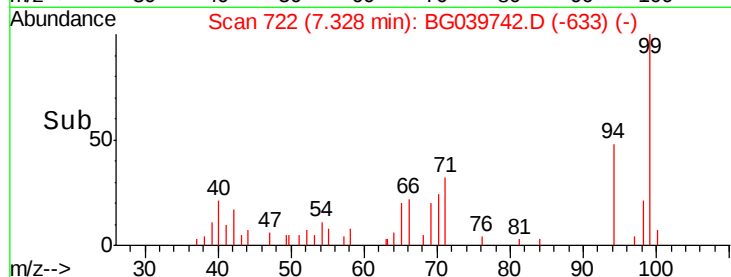
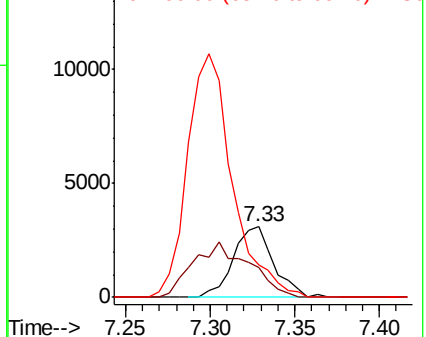
94 100

65 41.7 11.7 51.7

66 45.5 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



#11

bis(2-Chloroethyl)ether

Concen: 0.101 ng

RT: 7.68 min Scan# 782

Delta R.T. 0.10 min

Lab File: BG039742.D

Acq: 4 Mar 2019 22:06

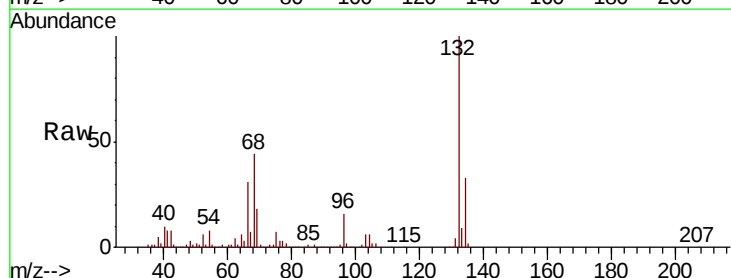
Tgt Ion: 93 Resp: 295

Ion Ratio Lower Upper

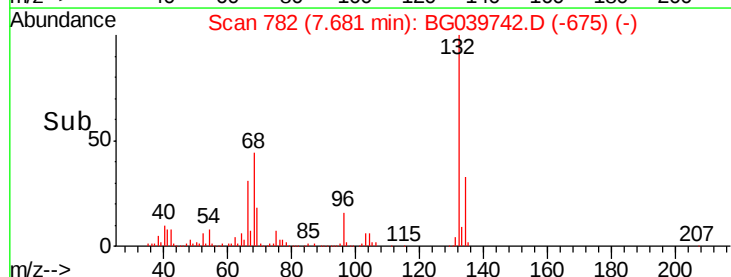
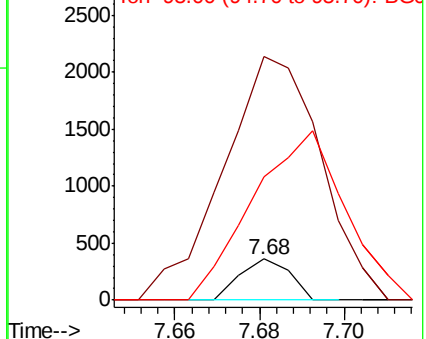
93 100

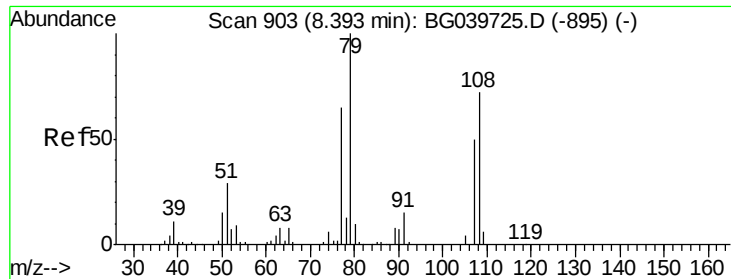
63 593.9 69.5 109.5#

95 301.1 12.7 52.7#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC





#15

Benzyl Alcohol

Concen: 1.303 ng

RT: 8.48 min Scan# 918

Delta R.T. 0.07 min

Lab File: BG039742.D

Acq: 4 Mar 2019 22:06

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ClientSampleId :

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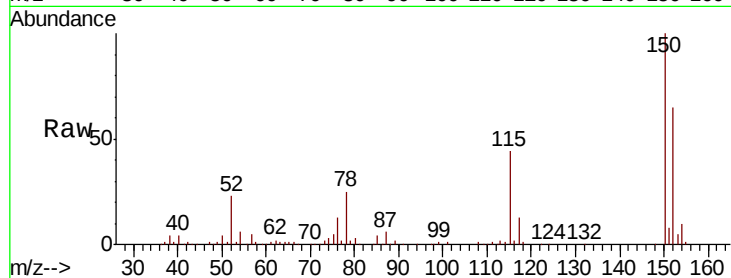
Tgt Ion: 79 Resp: 3560

Ion Ratio Lower Upper

79 100

108 32.2 57.8 86.6#

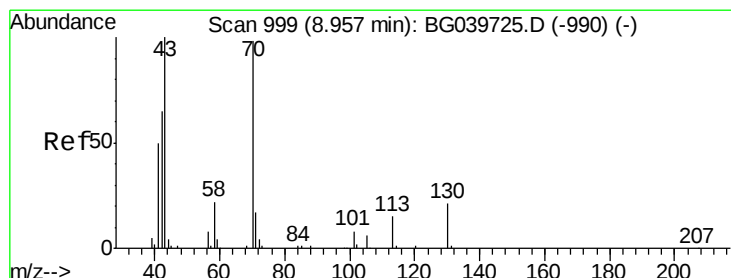
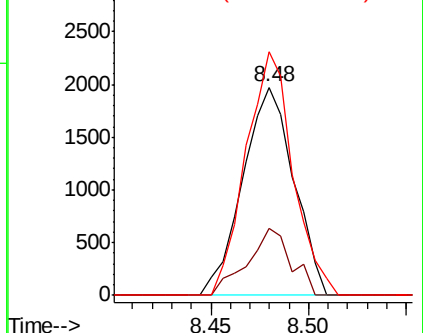
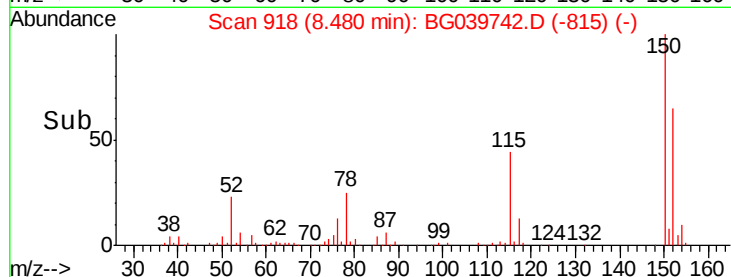
77 117.1 51.1 76.7#



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 10.678 ng

RT: 9.33 min Scan# 1063

Delta R.T. 0.36 min

Lab File: BG039742.D

Acq: 4 Mar 2019 22:06

Tgt Ion: 70 Resp: 26466

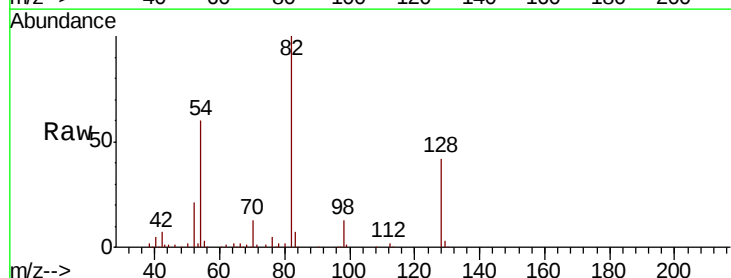
Ion Ratio Lower Upper

70 100

42 48.7 60.4 90.6#

101 0.0 7.5 11.3#

130 2.3 16.9 25.3#

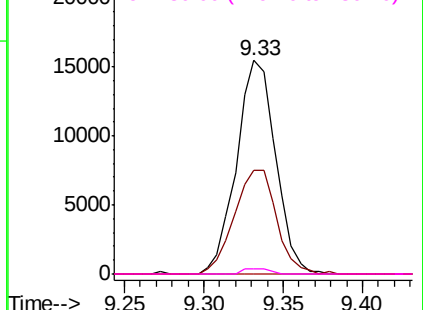
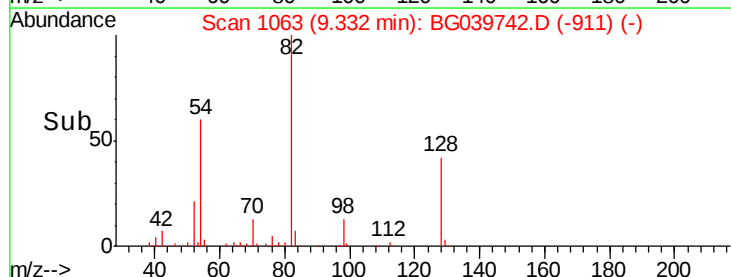


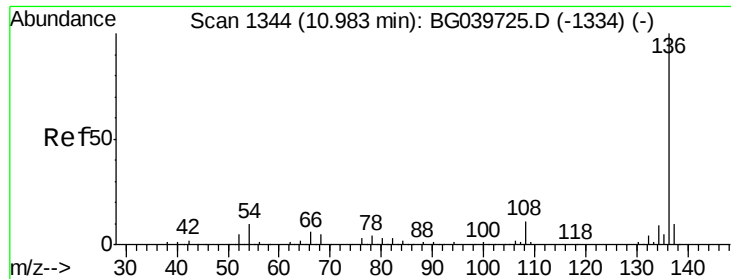
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

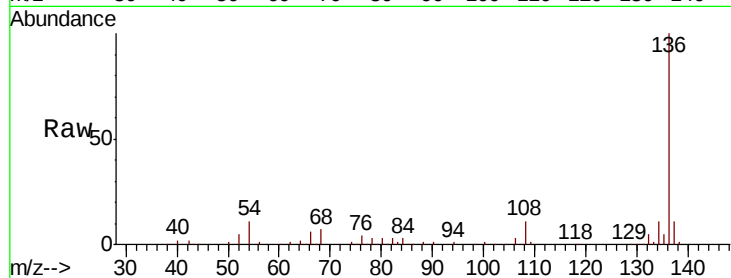




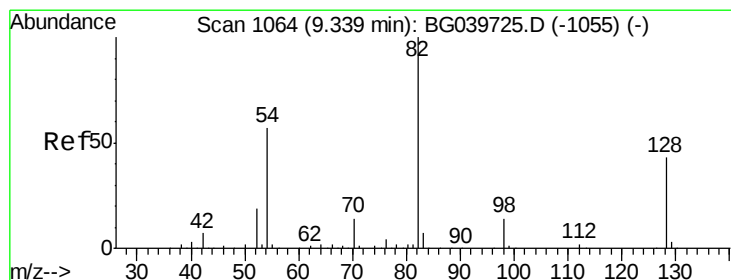
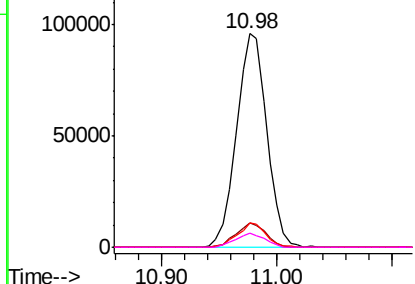
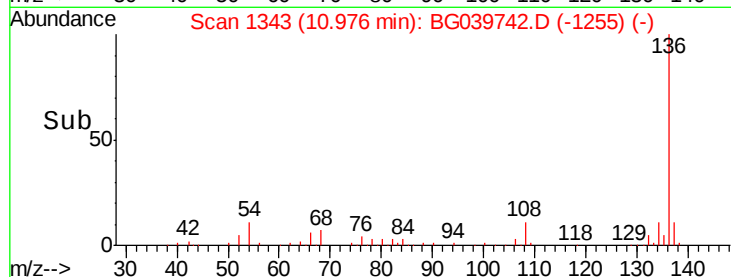
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BG039742.D
Acq: 4 Mar 2019 22:06

Instrument :
BNA_G
ClientSampled :
SB-A-2-5

Tgt Ion: 136 Resp: 173418
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 11.5 9.4 14.2
68 6.5 4.2 6.4#

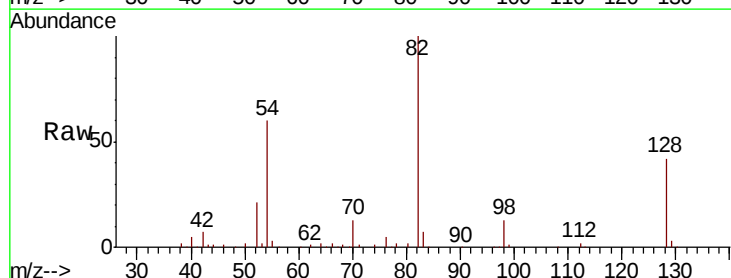


Abundance Ion 136.00 (135.70 to 136.70): E
150000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

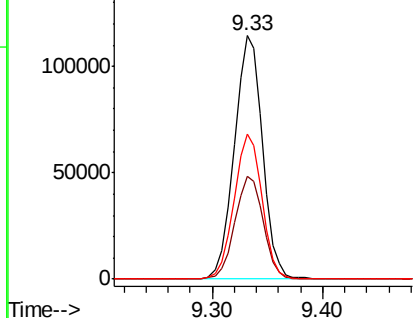
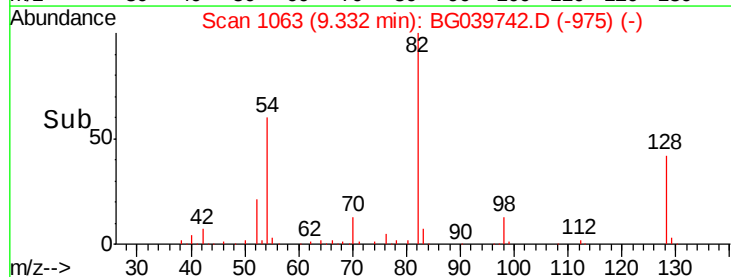


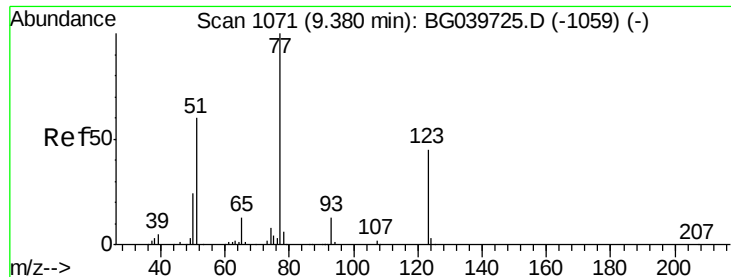
#23
Nitrobenzene-d5
Concen: 63.909 ng
RT: 9.33 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BG039742.D
Acq: 4 Mar 2019 22:06

Tgt Ion: 82 Resp: 204922
Ion Ratio Lower Upper
82 100
128 42.3 31.3 46.9
54 59.7 50.9 76.3



Abundance Ion 82.00 (81.70 to 82.70): BGC
150000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC

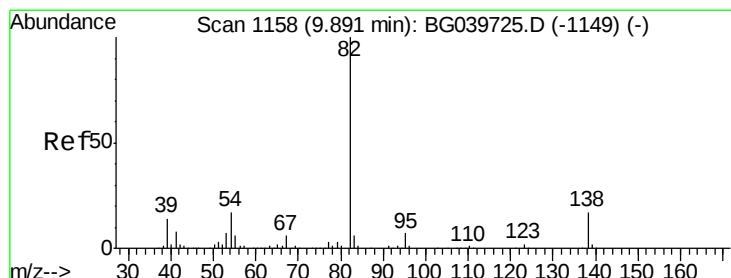
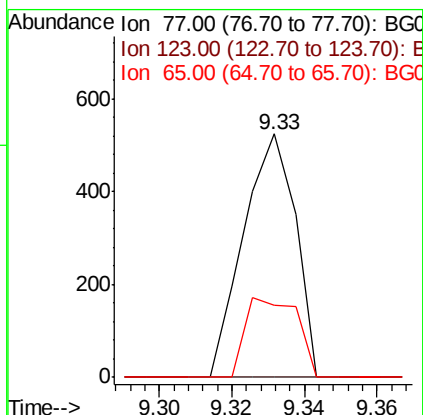
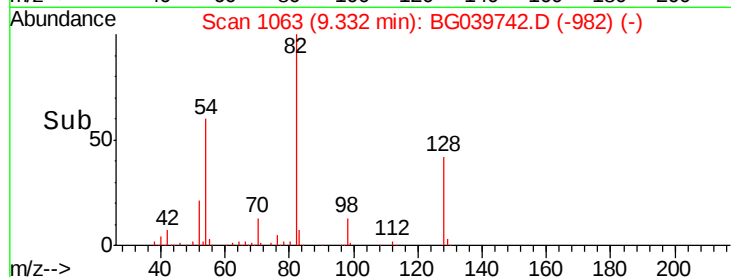
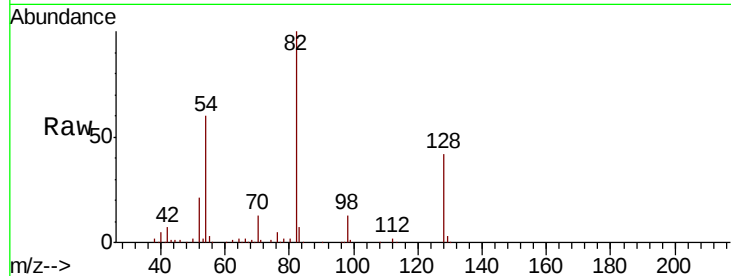




#24
 Nitrobenzene
 Concen: 0.154 ng
 RT: 9.33 min Scan# 1063
 Delta R.T. -0.05 min
 Lab File: BG039742.D
 Acq: 4 Mar 2019 22:06

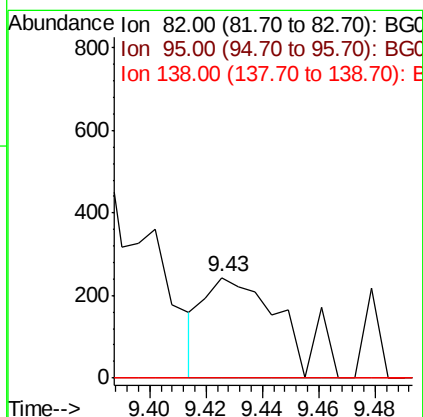
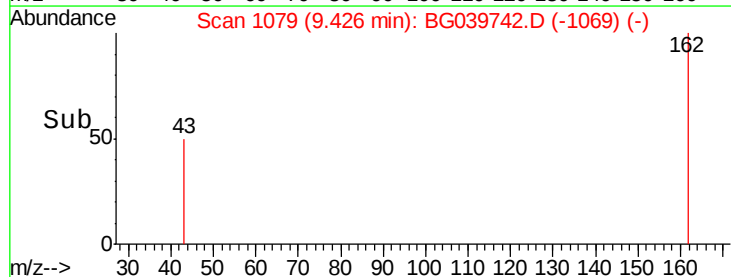
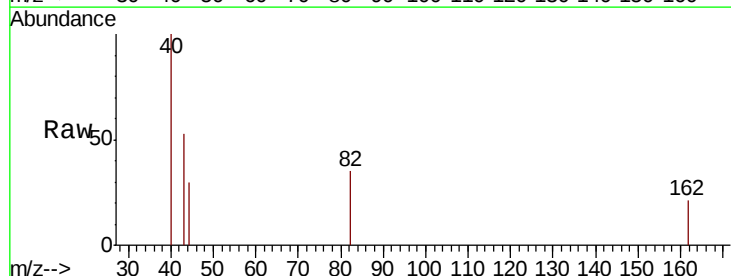
Instrument :
 BNA_G
 ClientSampleId :
 SB-A-2-5

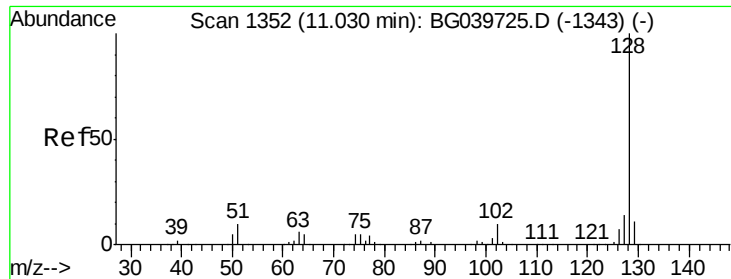
Tgt Ion	Ratio	Lower	Upper
77	100		
123	0.0	34.1	51.1#
65	29.4	12.3	18.5#



#25
 Isophorone
 Concen: 0.071 ng
 RT: 9.43 min Scan# 1079
 Delta R.T. -0.47 min
 Lab File: BG039742.D
 Acq: 4 Mar 2019 22:06

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	6.2	9.2#
138	0.0	13.0	19.4#

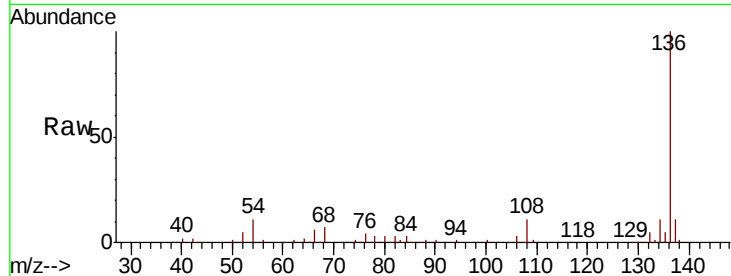




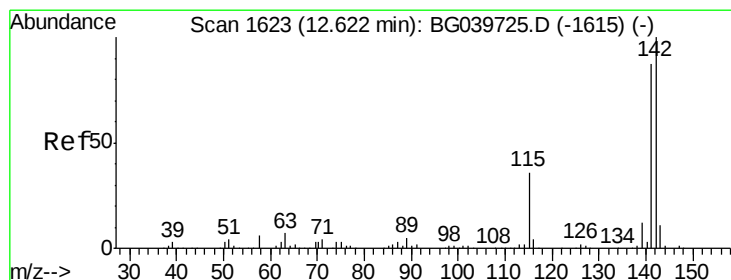
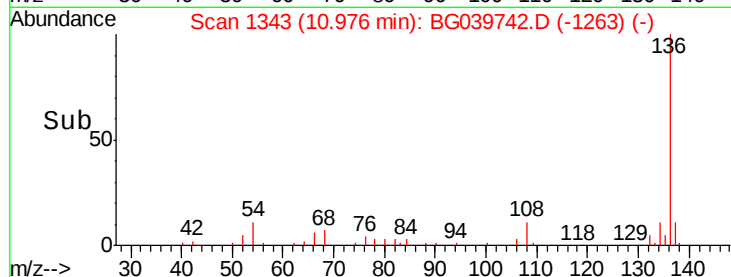
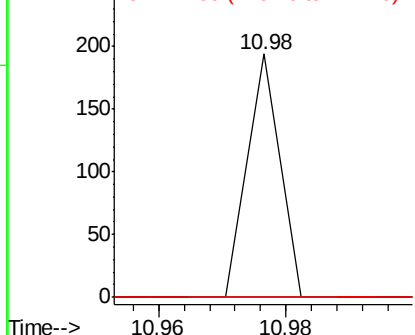
#31
Naphthalene
Concen: 0.007 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.06 min
Lab File: BG039742.D
Acq: 4 Mar 2019 22:06

Instrument :
BNA_G
ClientSampleId :
SB-A-2-5

Tgt Ion:128 Resp: 68
Ion Ratio Lower Upper
128 100
129 0.0 8.7 13.1#
127 0.0 10.8 16.2#

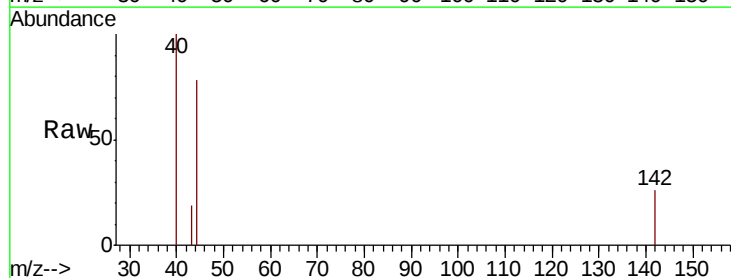


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

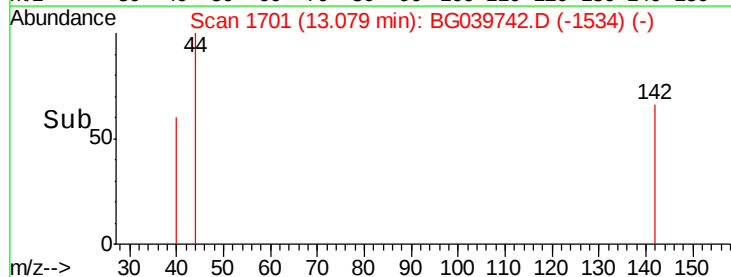
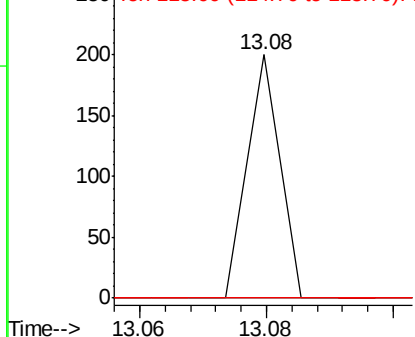


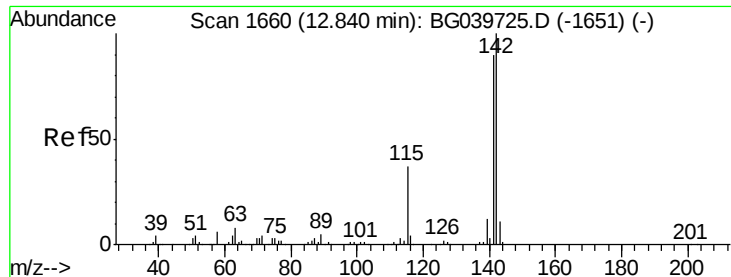
#37
2-Methylnaphthalene
Concen: 0.010 ng
RT: 13.08 min Scan# 1701
Delta R.T. 0.45 min
Lab File: BG039742.D
Acq: 4 Mar 2019 22:06

Tgt Ion:142 Resp: 71
Ion Ratio Lower Upper
142 100
141 0.0 73.5 110.3#
115 0.0 30.8 46.2#



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

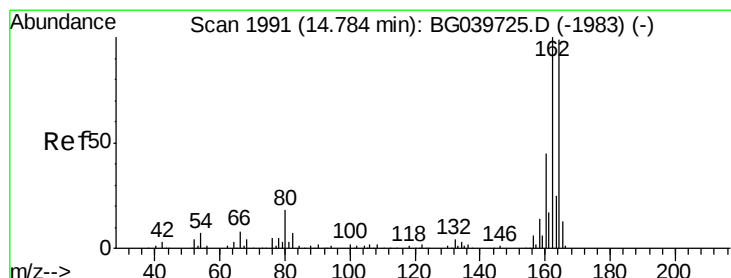
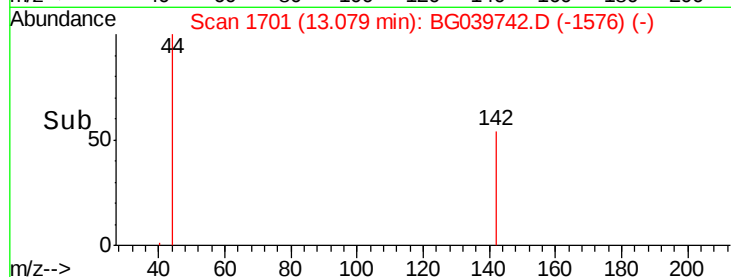
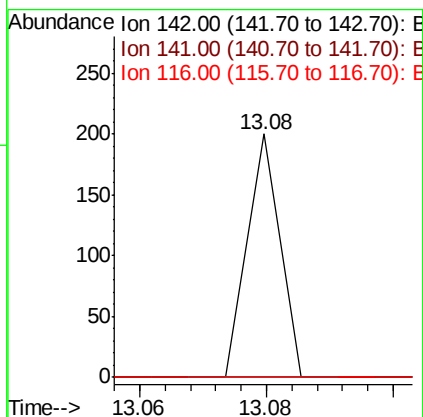
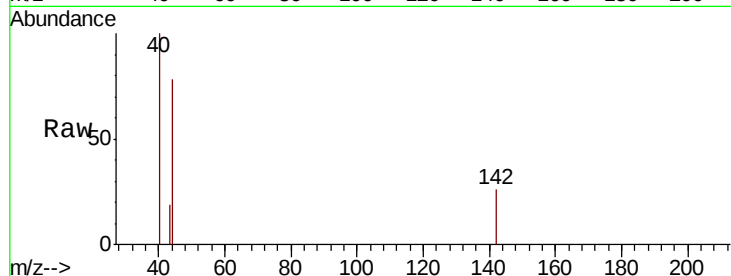




#38
1-Methylnaphthalene
Concen: 0.011 ng
RT: 13.08 min Scan# 1701
Delta R.T. 0.23 min
Lab File: BG039742.D
Acq: 4 Mar 2019 22:06

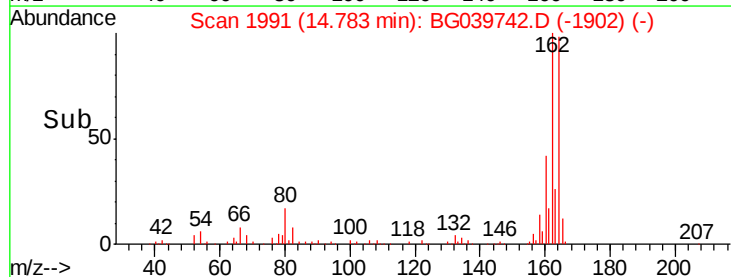
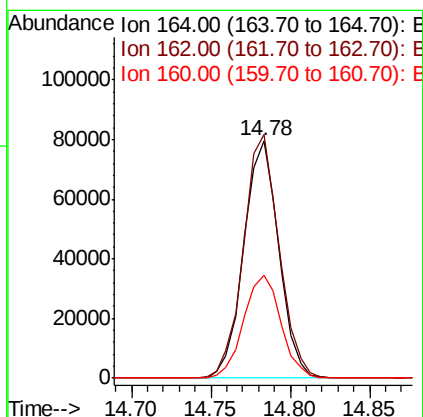
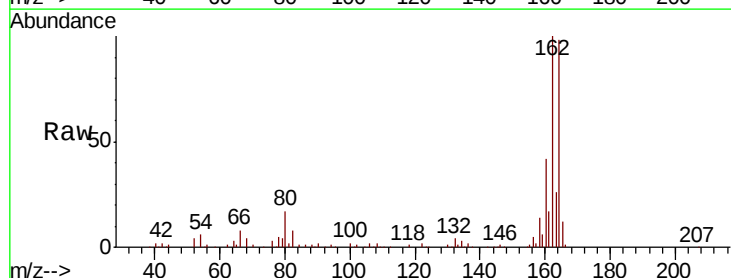
Instrument :
BNA_G
ClientSampled :
SB-A-2-5

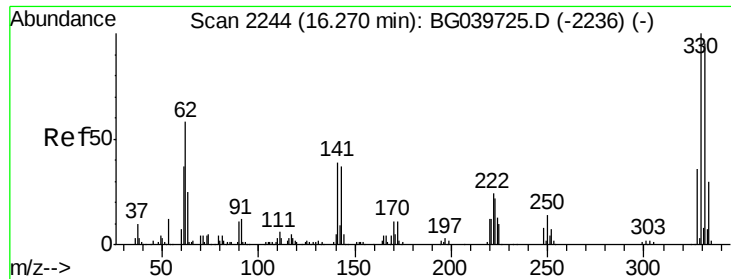
Tgt Ion:142 Resp: 71
Ion Ratio Lower Upper
142 100
141 0.0 74.2 111.4#
116 0.0 3.0 4.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.78 min Scan# 1991
Delta R.T. -0.01 min
Lab File: BG039742.D
Acq: 4 Mar 2019 22:06

Tgt Ion:164 Resp: 121769
Ion Ratio Lower Upper
164 100
162 102.4 81.6 122.4
160 43.4 34.2 51.2

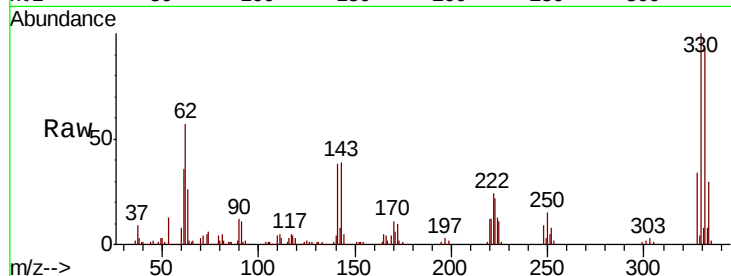




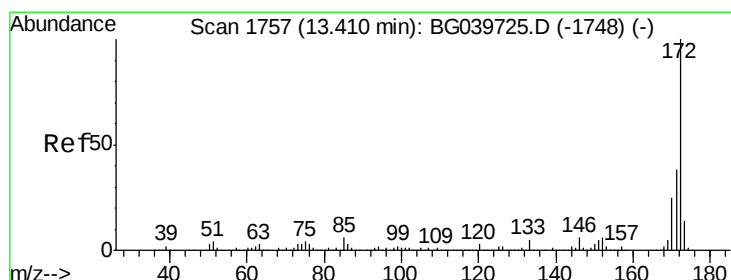
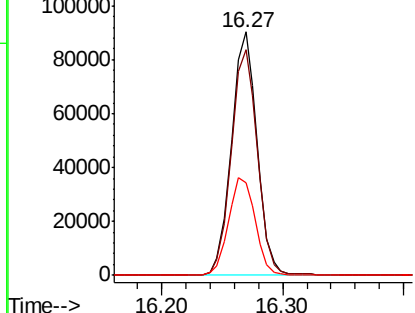
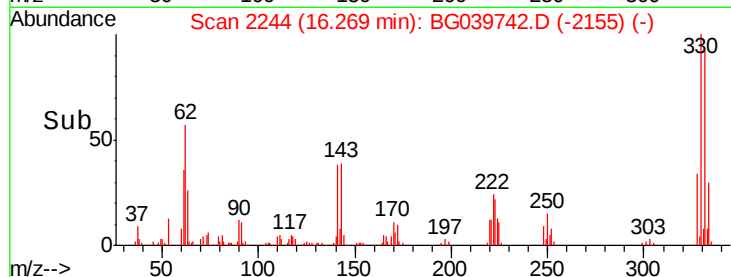
#42
 2,4,6-Tribromophenol
 Concen: 94.144 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. -0.01 min
 Lab File: BG039742.D
 Acq: 4 Mar 2019 22:06

Instrument :
 BNA_G
 ClientSampleId :
 SB-A-2-5

Tgt Ion:330 Resp: 133619
 Ion Ratio Lower Upper
 330 100
 332 94.7 75.7 113.5
 141 41.9 35.6 53.4

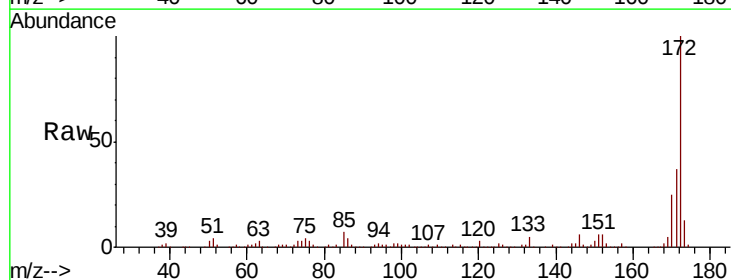


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

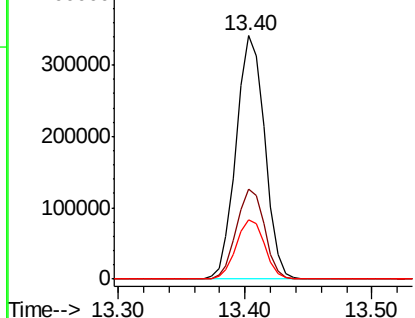
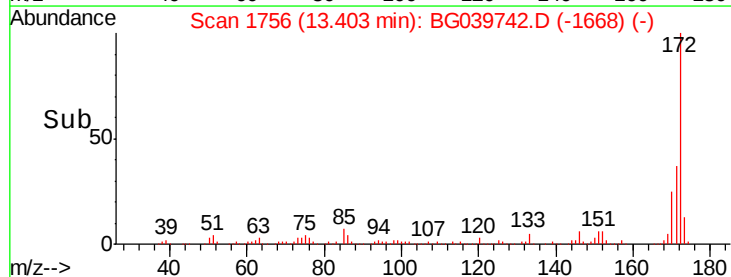


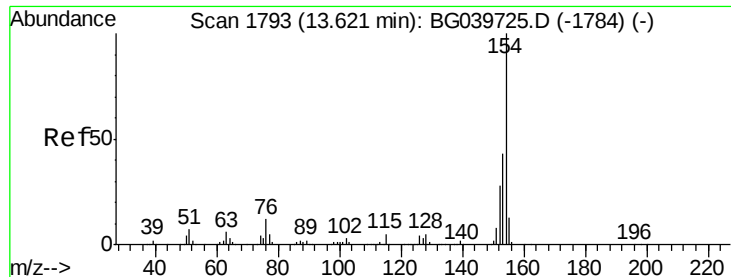
#45
 2-Fluorobiphenyl
 Concen: 62.091 ng
 RT: 13.40 min Scan# 1756
 Delta R.T. -0.01 min
 Lab File: BG039742.D
 Acq: 4 Mar 2019 22:06

Tgt Ion:172 Resp: 531016
 Ion Ratio Lower Upper
 172 100
 171 37.2 30.8 46.2
 170 24.6 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

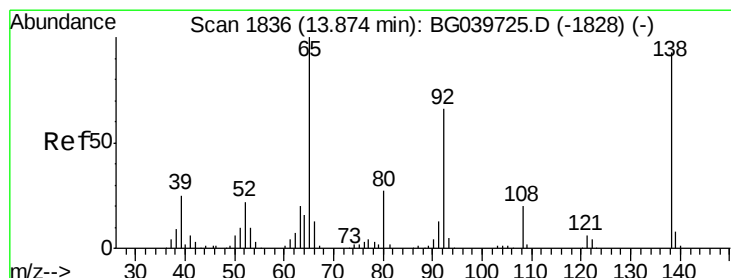
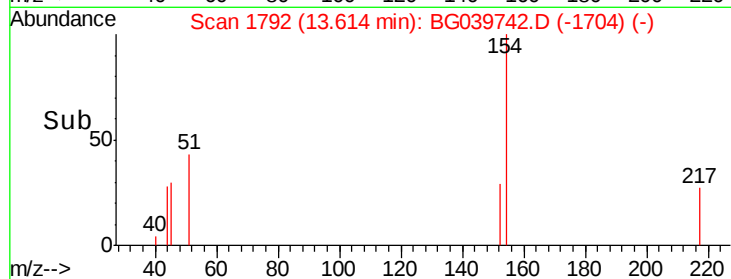
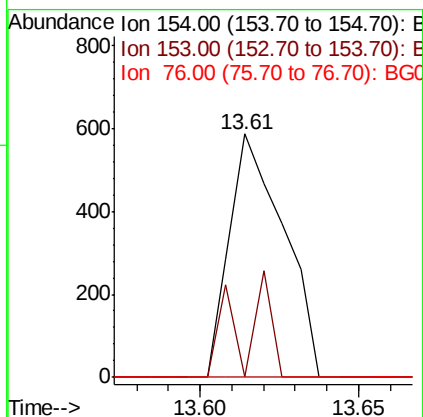
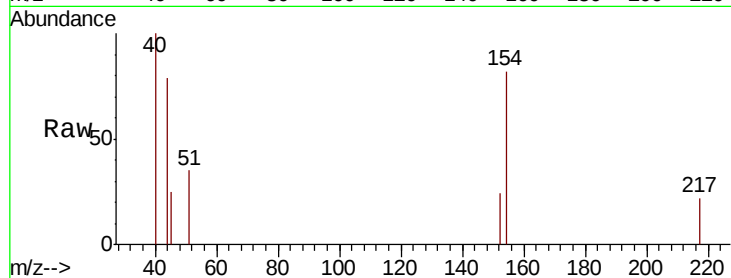




#46
1,1'-Biphenyl
Concen: 0.069 ng
RT: 13.61 min Scan# 1792
Delta R.T. -0.01 min
Lab File: BG039742.D
Acq: 4 Mar 2019 22:06

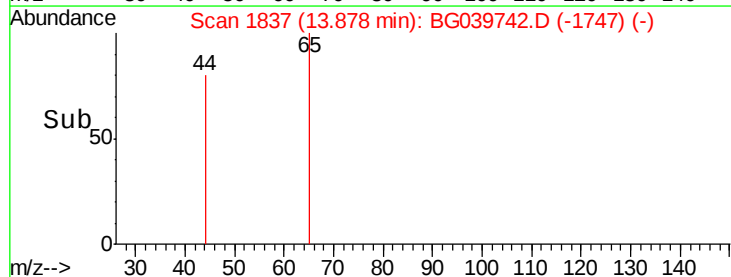
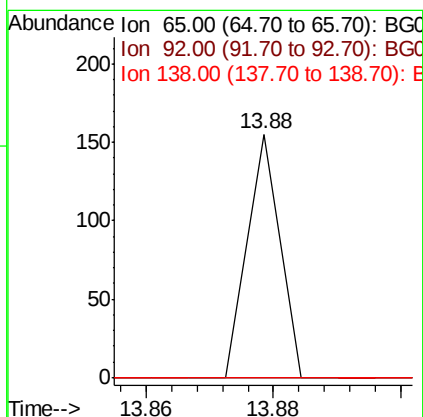
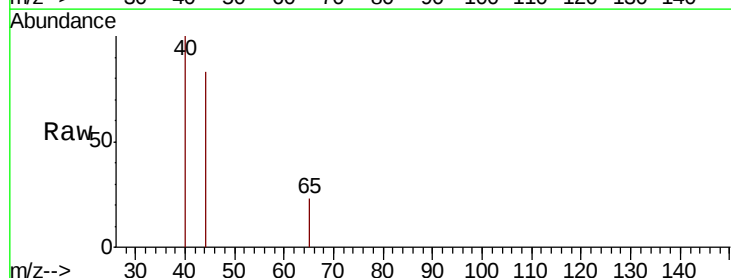
Instrument :
BNA_G
ClientSampleId :
SB-A-2-5

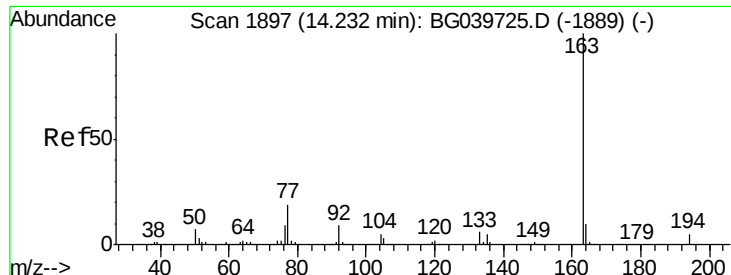
Tgt Ion: 154 Resp: 696
Ion Ratio Lower Upper
154 100
153 0.0 22.1 62.1#
76 0.0 0.0 32.4



#48
2-Nitroaniline
Concen: 0.023 ng
RT: 13.88 min Scan# 1837
Delta R.T. -0.00 min
Lab File: BG039742.D
Acq: 4 Mar 2019 22:06

Tgt Ion: 65 Resp: 55
Ion Ratio Lower Upper
65 100
92 0.0 51.4 77.2#
138 0.0 71.4 107.2#





#50

Dimethylphthalate

Concen: 4.257 ng

RT: 14.23 min Scan# 1896

Delta R.T. -0.01 min

Lab File: BG039742.D

Acq: 4 Mar 2019 22:06

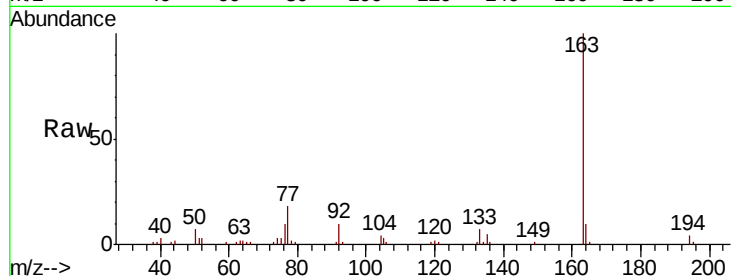
Instrument :

BNA_G

ClientSampleId :

SB-A-2-5

Tgt Ion:	163	Resp:	43347
Ion Ratio	Lower	Upper	
163	100		
194	4.4	3.6	5.4
164	9.9	8.4	12.6

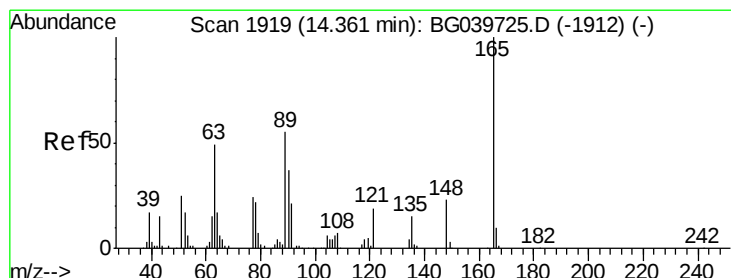
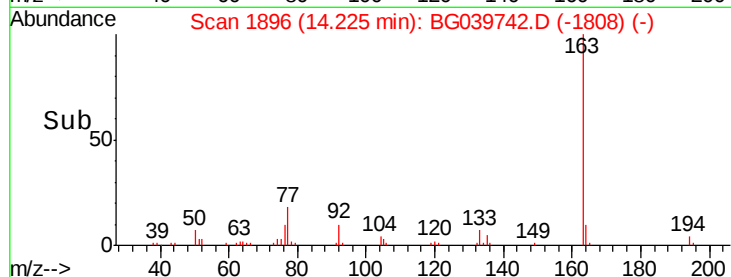
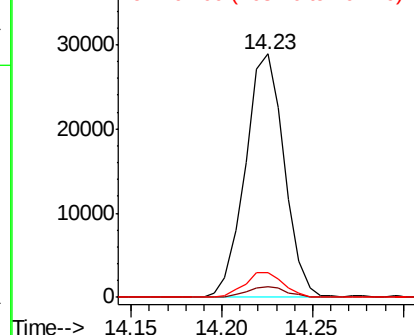


Abundance

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



#51

2,6-Dinitrotoluene

Concen: 7.501 ng

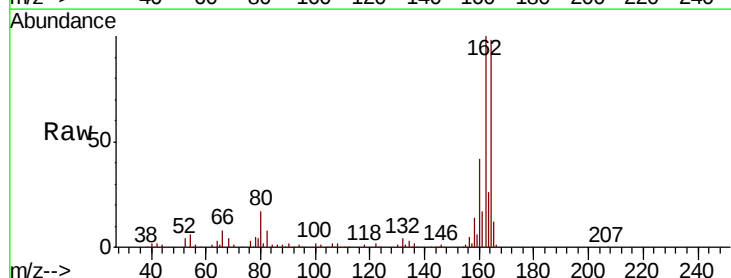
RT: 14.78 min Scan# 1991

Delta R.T. 0.42 min

Lab File: BG039742.D

Acq: 4 Mar 2019 22:06

Tgt Ion:	165	Resp:	16192
Ion Ratio	Lower	Upper	
165	100		
63	0.0	47.0	70.6#
89	2.7	45.8	68.8#

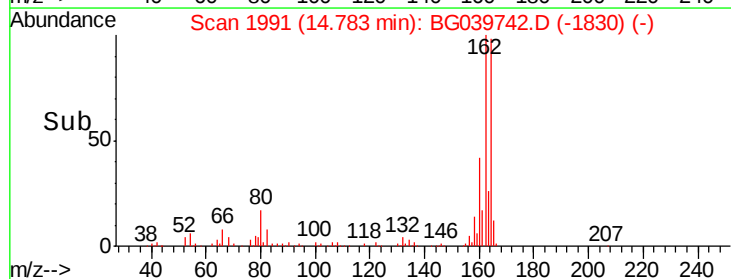
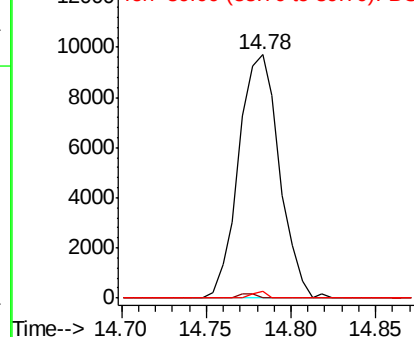


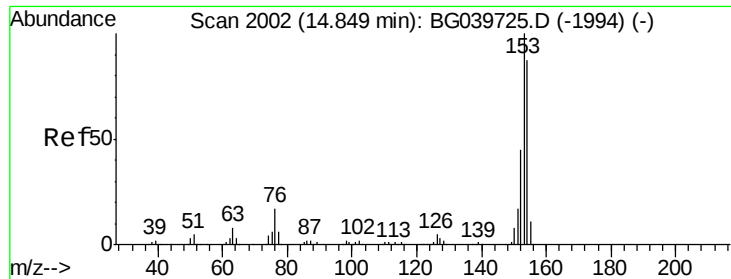
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#52

Acenaphthene

Concen: 0.072 ng

RT: 14.78 min Scan# 1991

Delta R.T. -0.07 min

Lab File: BG039742.D

Acq: 4 Mar 2019 22:06

Instrument :

BNA_G

ClientSampleId :

SB-A-2-5

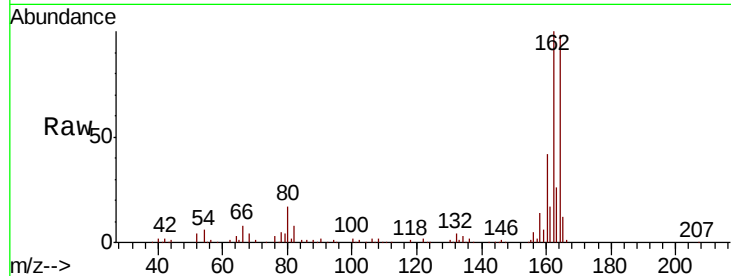
Tgt Ion:154 Resp: 535

Ion Ratio Lower Upper

154 100

153 0.0 90.1 135.1#

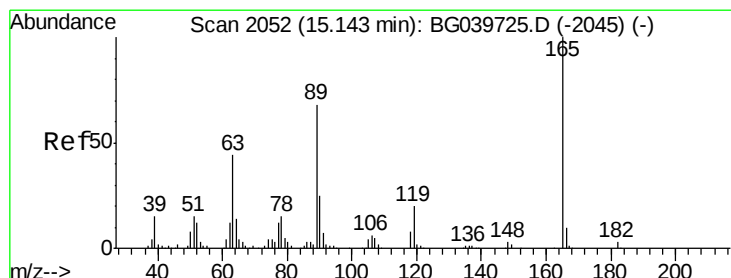
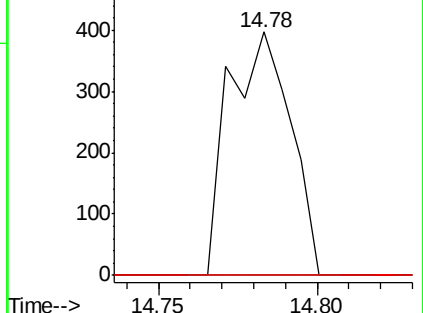
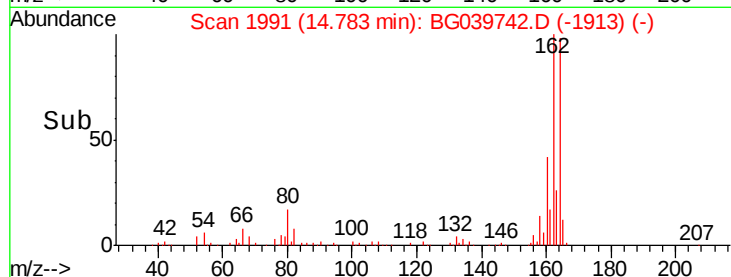
152 0.0 40.9 61.3#



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



#57

2,4-Dinitrotoluene

Concen: 5.339 ng

RT: 14.78 min Scan# 1991

Delta R.T. -0.37 min

Lab File: BG039742.D

Acq: 4 Mar 2019 22:06

Tgt Ion:165 Resp: 16192

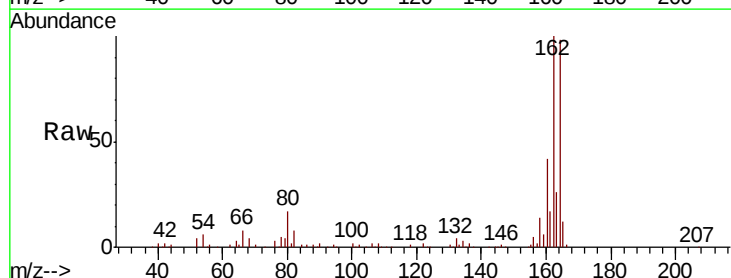
Ion Ratio Lower Upper

165 100

63 0.0 41.0 61.6#

89 2.7 64.6 96.8#

182 0.0 2.0 3.0#

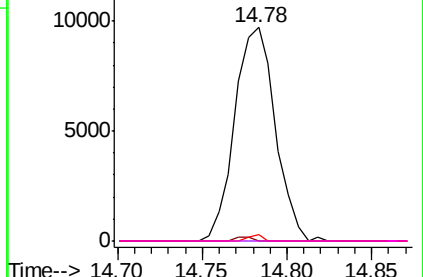
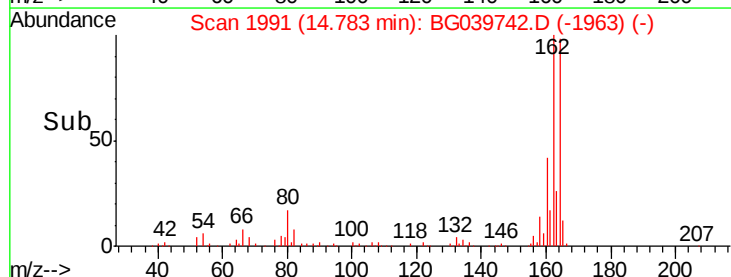


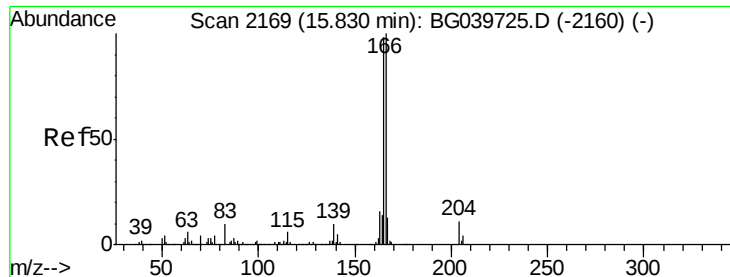
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: 0.572 ng

RT: 16.27 min Scan# 2244

Delta R.T. 0.43 min

Lab File: BG039742.D

Acq: 4 Mar 2019 22:06

Instrument :

BNA_G

ClientSampleId :

SB-A-2-5

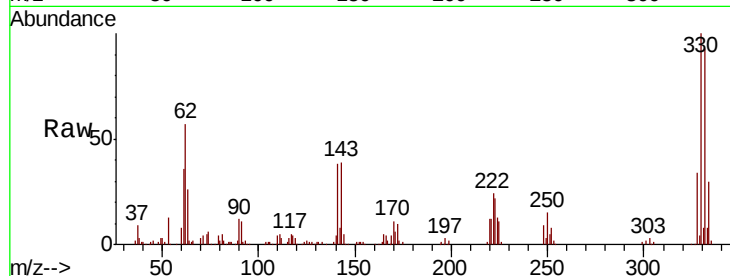
Tgt Ion:166 Resp: 5489

Ion Ratio Lower Upper

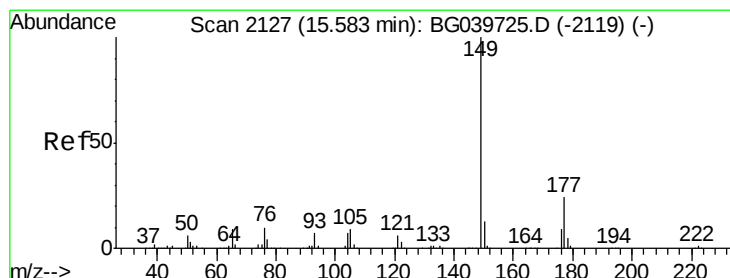
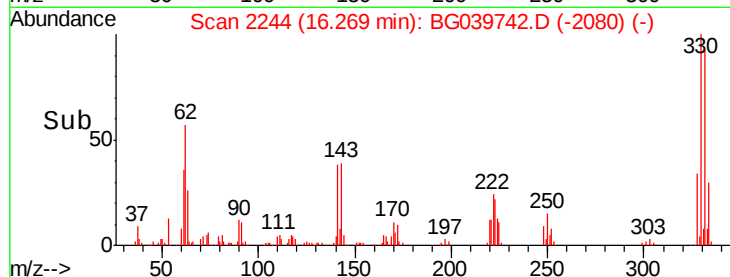
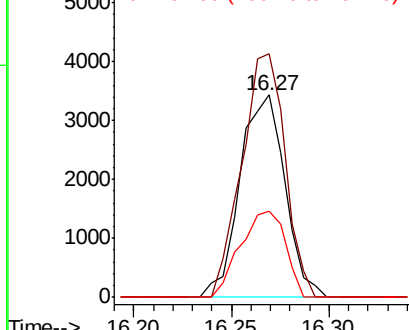
166 100

165 120.3 77.9 116.9#

167 42.7 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



#60

Diethylphthalate

Concen: 0.015 ng

RT: 15.57 min Scan# 2125

Delta R.T. -0.02 min

Lab File: BG039742.D

Acq: 4 Mar 2019 22:06

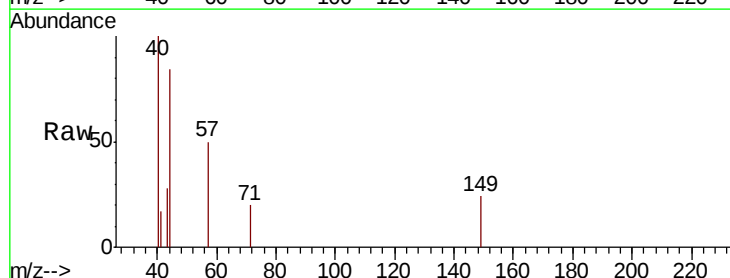
Tgt Ion:149 Resp: 148

Ion Ratio Lower Upper

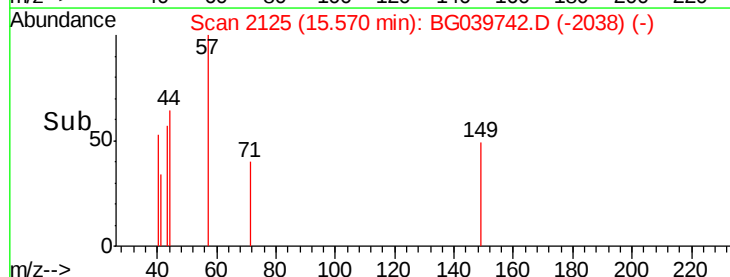
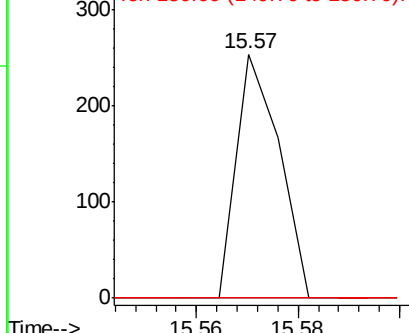
149 100

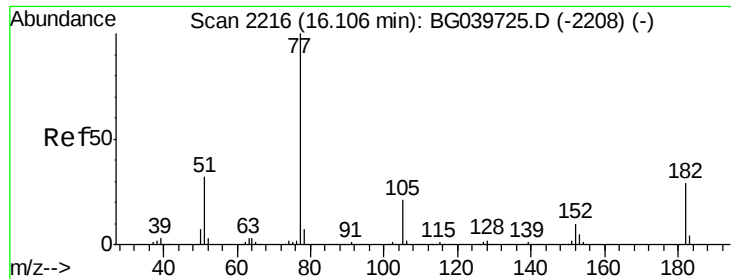
177 0.0 18.3 27.5#

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





#63

Azobenzene

Concen: 0.006 ng

RT: 16.12 min Scan# 2219

Delta R.T. 0.01 min

Lab File: BG039742.D

Acq: 4 Mar 2019 22:06

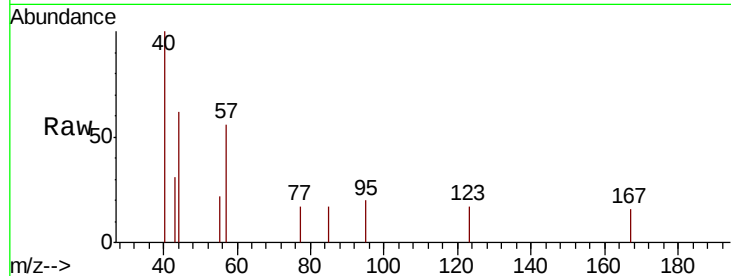
Instrument :

BNA_G

ClientSampleId :

SB-A-2-5

Tgt Ion:	77	Resp:	55
Ion	Ratio	Lower	Upper
77	100		
182	0.0	6.4	46.4#
105	0.0	0.0	39.8
51	0.0	14.1	54.1#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

16.12

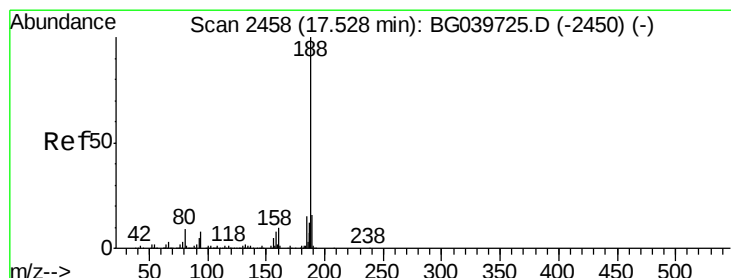
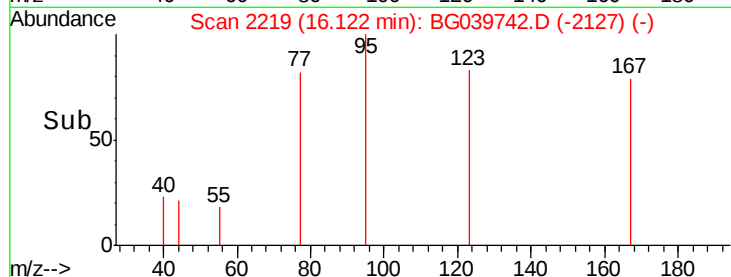
150

100

50

0

Time--> 16.10 16.12 16.14



#64

Phenanthrene-d10

Concen: 20.000 ng

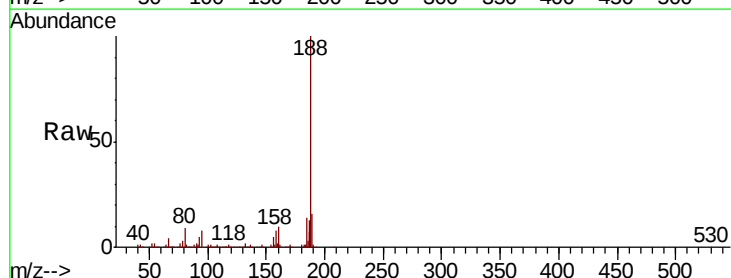
RT: 17.53 min Scan# 2458

Delta R.T. -0.01 min

Lab File: BG039742.D

Acq: 4 Mar 2019 22:06

Tgt Ion:	188	Resp:	312109
Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.9	10.3
80	9.1	8.1	12.1



Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

17.53

200000

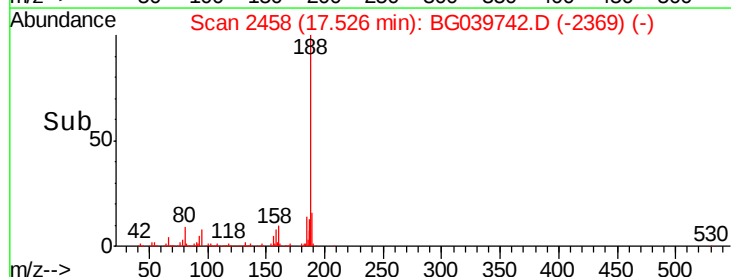
150000

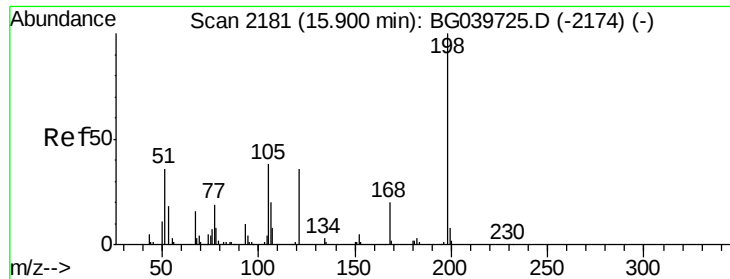
100000

50000

0

Time--> 17.50 17.53 17.56

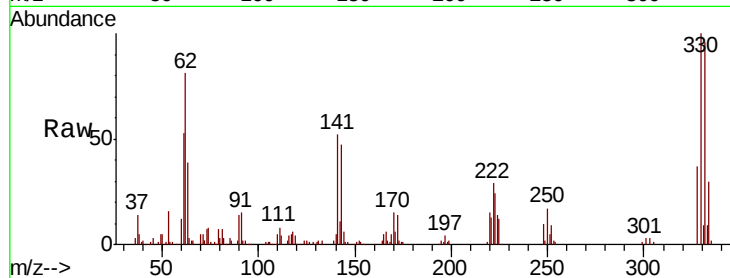




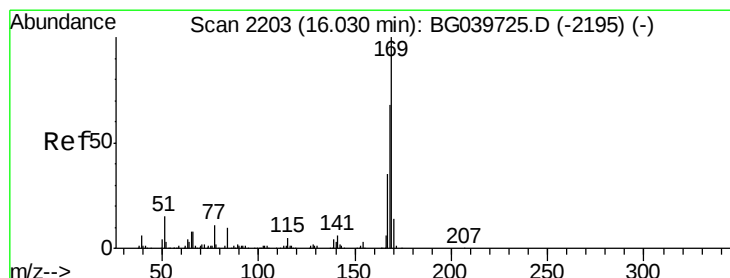
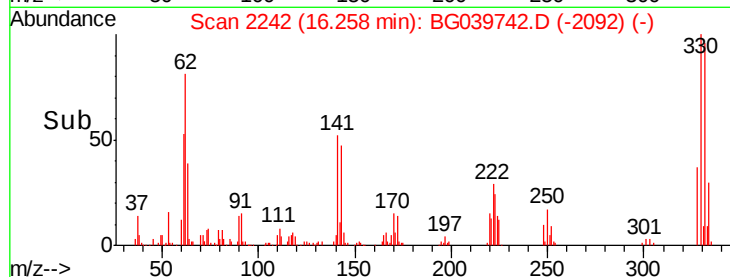
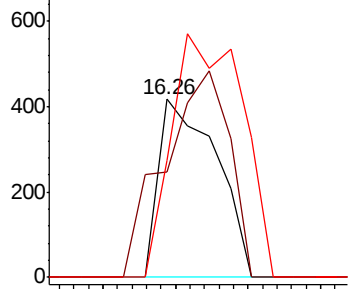
#65
 4,6-Dinitro-2-methylphenol
 Concen: 0.250 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. 0.35 min
 Lab File: BG039742.D
 Acq: 4 Mar 2019 22:06

Instrument :
 BNA_G
 ClientSampleId :
 SB-A-2-5

Tgt Ion:198 Resp: 462
 Ion Ratio Lower Upper
 198 100
 51 59.3 27.4 67.4
 105 65.6 19.7 59.7#

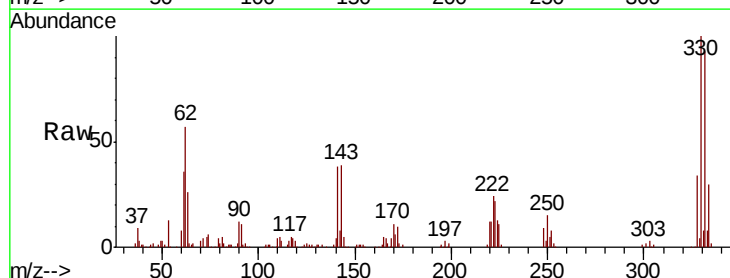


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

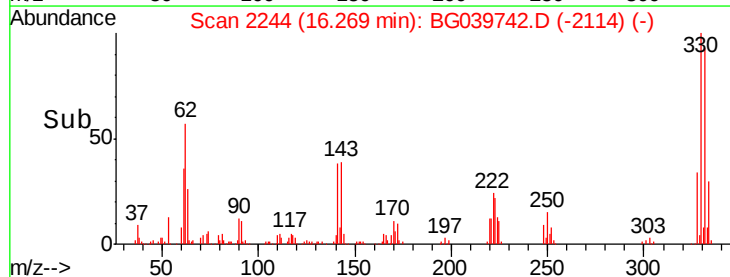
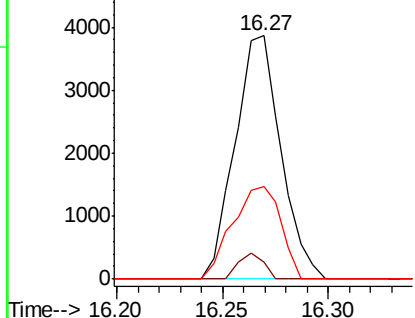


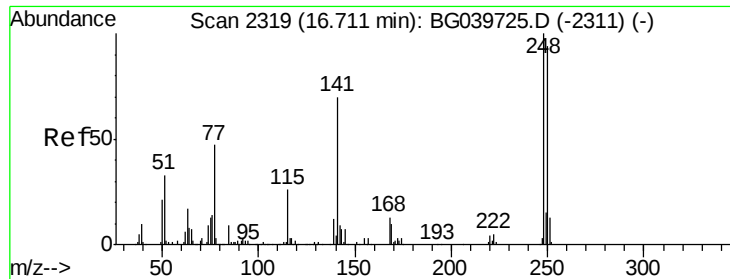
#66
 n-Nitrosodiphenylamine
 Concen: 0.644 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. 0.23 min
 Lab File: BG039742.D
 Acq: 4 Mar 2019 22:06

Tgt Ion:169 Resp: 5815
 Ion Ratio Lower Upper
 169 100
 168 6.9 56.6 85.0#
 167 37.9 28.8 43.2



Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

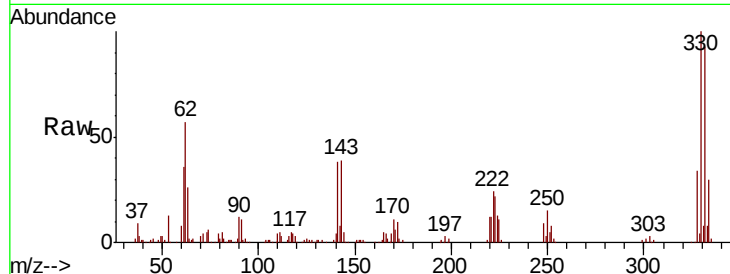




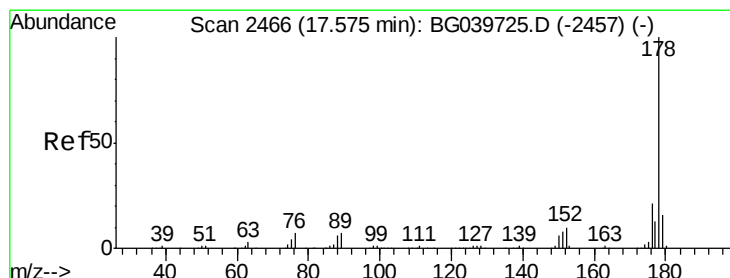
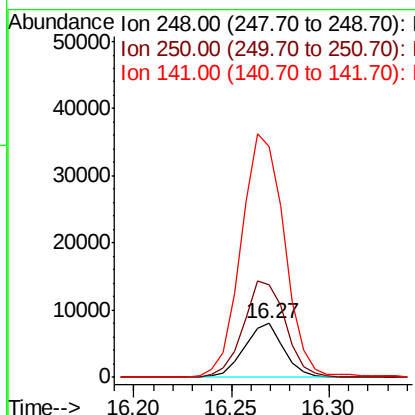
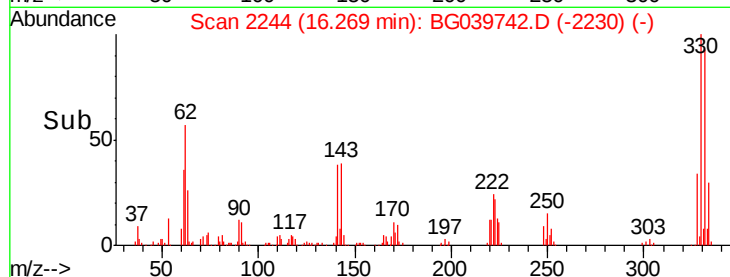
#67
 4-Bromophenyl-phenylether
 Concen: 3.192 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. -0.45 min
 Lab File: BG039742.D
 Acq: 4 Mar 2019 22:06

Instrument :
 BNA_G
 ClientSampleId :
 SB-A-2-5

Tgt Ion:248 Resp: 11151
 Ion Ratio Lower Upper
 248 100
 250 172.0 77.6 116.4#
 141 427.0 63.9 95.9#

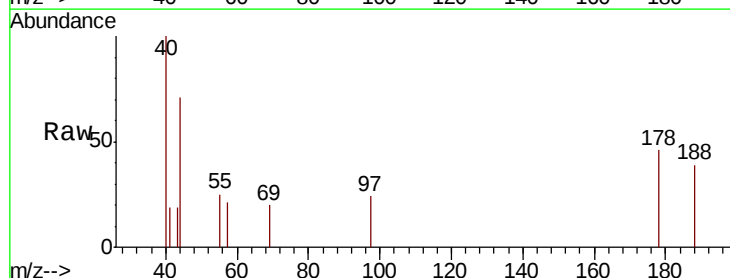


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

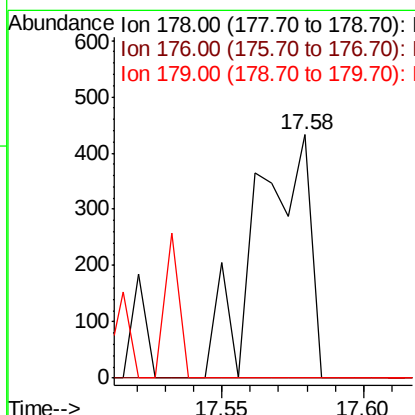
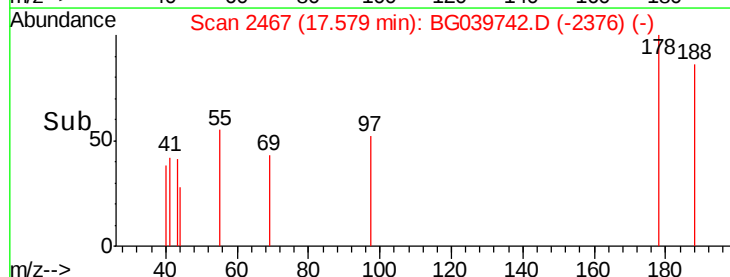


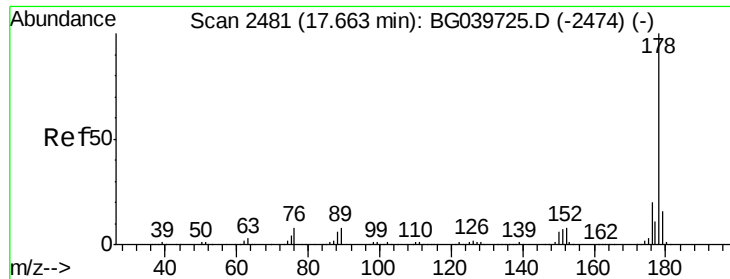
#71
 Phenanthrene
 Concen: 0.034 ng
 RT: 17.58 min Scan# 2467
 Delta R.T. 0.00 min
 Lab File: BG039742.D
 Acq: 4 Mar 2019 22:06

Tgt Ion:178 Resp: 577
 Ion Ratio Lower Upper
 178 100
 176 0.0 16.2 24.4#
 179 0.0 12.6 19.0#



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 0.034 ng

RT: 17.58 min Scan# 2467

Delta R.T. -0.09 min

Lab File: BG039742.D

Acq: 4 Mar 2019 22:06

Instrument :

BNA_G

ClientSampleId :

SB-A-2-5

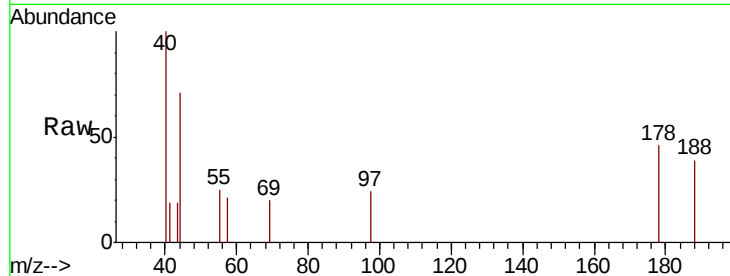
Tgt Ion:178 Resp: 577

Ion Ratio Lower Upper

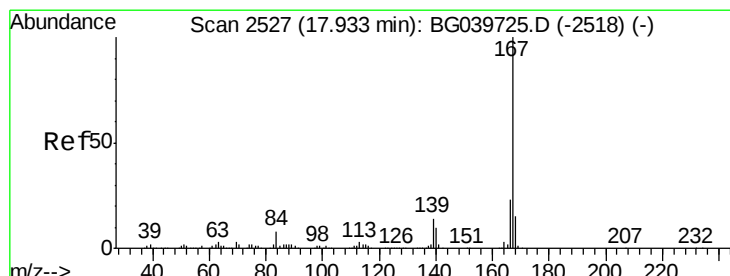
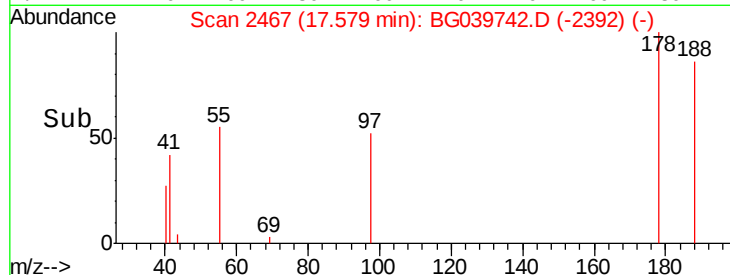
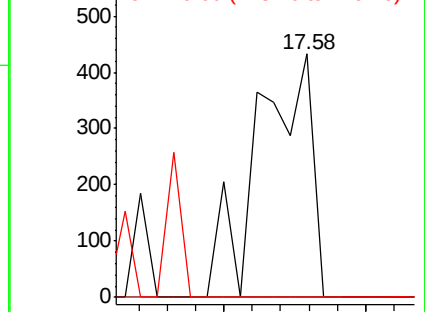
178 100

176 0.0 15.8 23.6#

179 0.0 12.5 18.7#



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 0.004 ng

RT: 17.98 min Scan# 2535

Delta R.T. 0.04 min

Lab File: BG039742.D

Acq: 4 Mar 2019 22:06

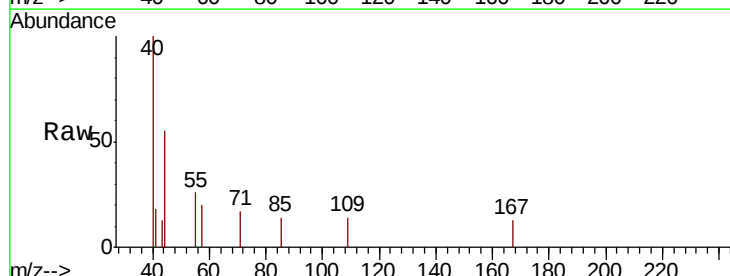
Tgt Ion:167 Resp: 55

Ion Ratio Lower Upper

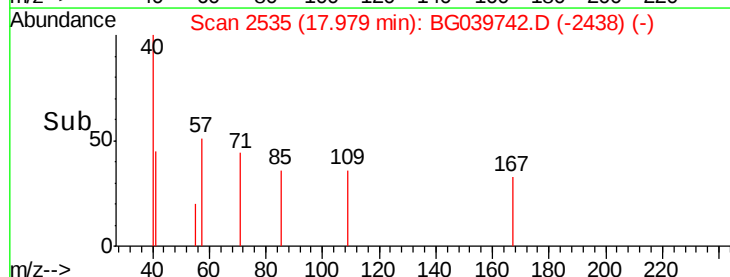
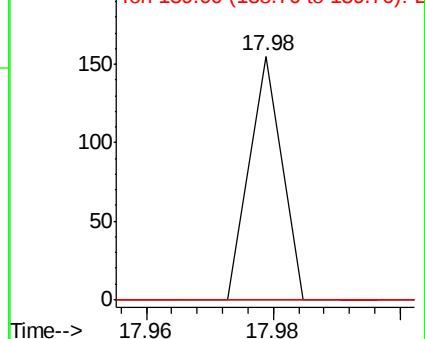
167 100

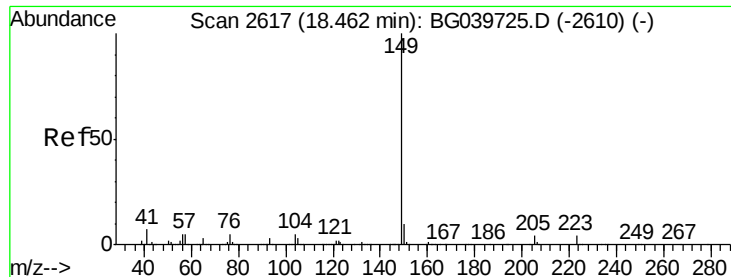
166 0.0 19.4 29.2#

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: 0.093 ng

RT: 18.46 min Scan# 2617

Delta R.T. -0.01 min

Lab File: BG039742.D

Acq: 4 Mar 2019 22:06

Instrument :

BNA_G

ClientSampleId :

SB-A-2-5

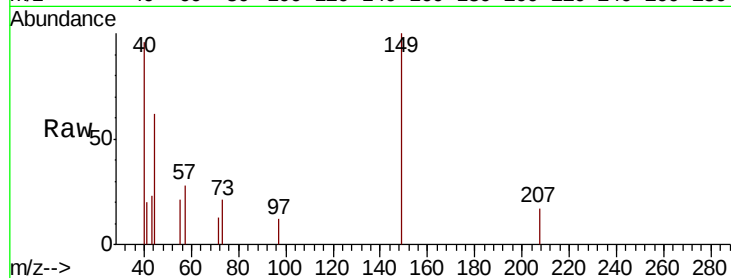
Tgt Ion:149 Resp: 1650

Ion Ratio Lower Upper

149 100

150 0.0 7.7 11.5#

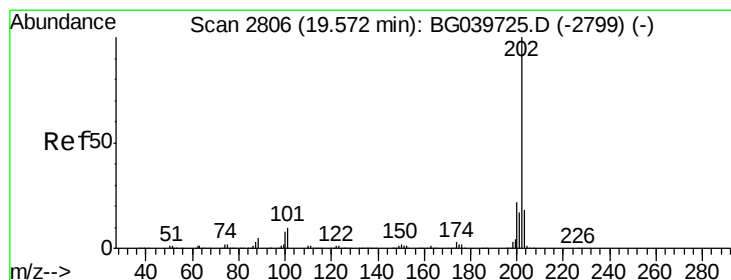
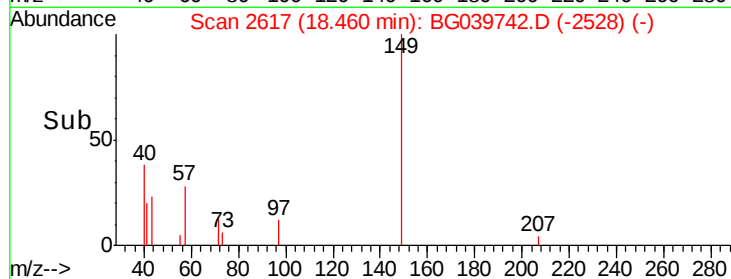
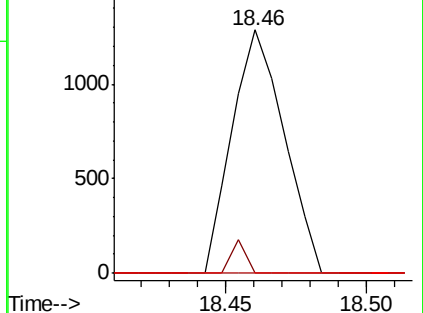
104 0.0 4.5 6.7#



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: 0.051 ng

RT: 19.57 min Scan# 2806

Delta R.T. -0.01 min

Lab File: BG039742.D

Acq: 4 Mar 2019 22:06

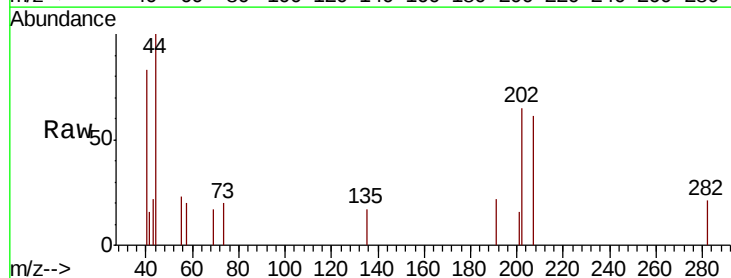
Tgt Ion:202 Resp: 1029

Ion Ratio Lower Upper

202 100

101 0.0 0.0 30.0

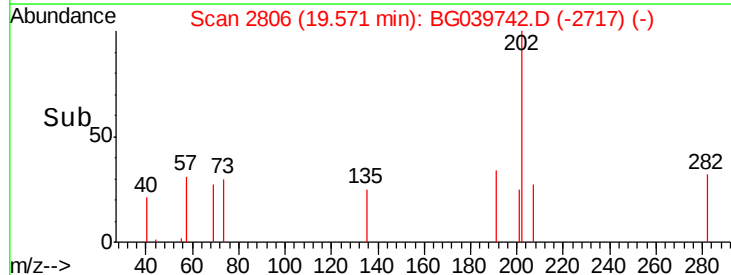
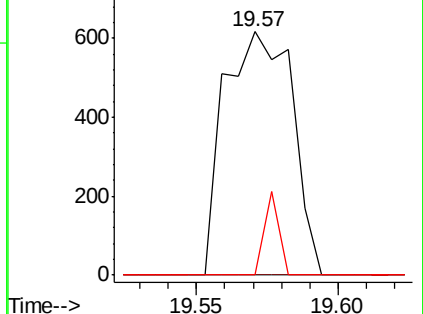
203 0.0 0.0 38.9

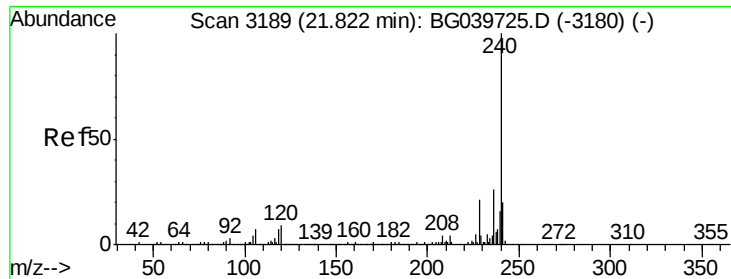


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

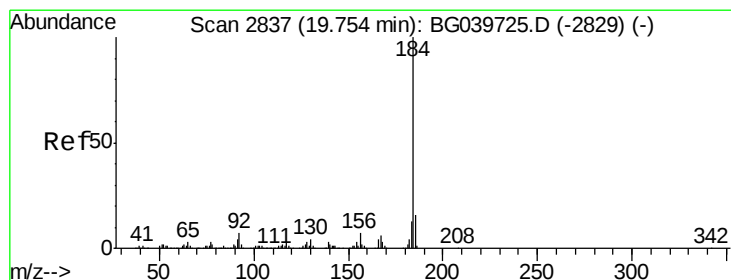
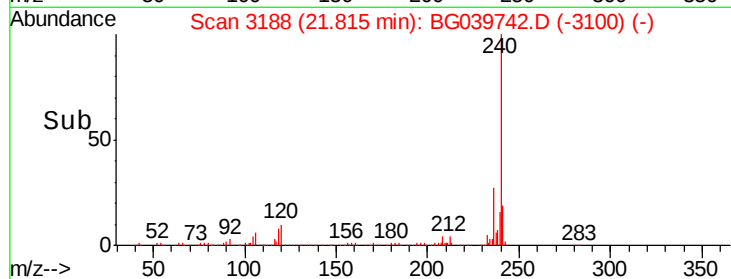
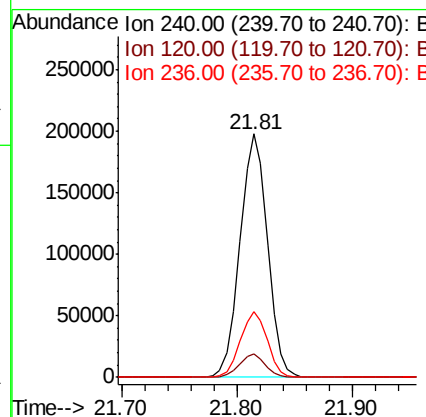
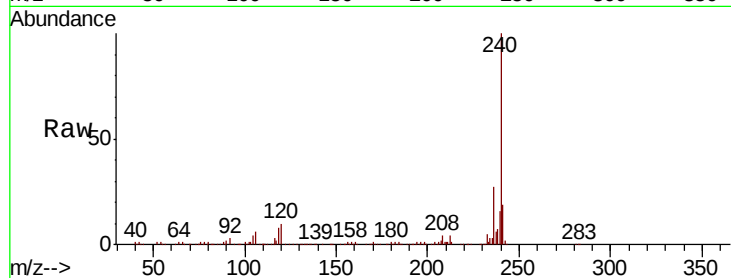




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.81 min Scan# 3188
Delta R.T. -0.01 min
Lab File: BG039742.D
Acq: 4 Mar 2019 22:06

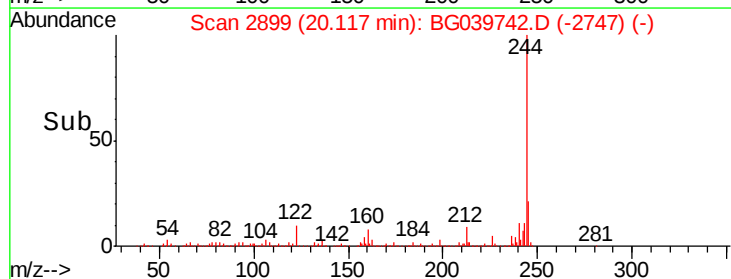
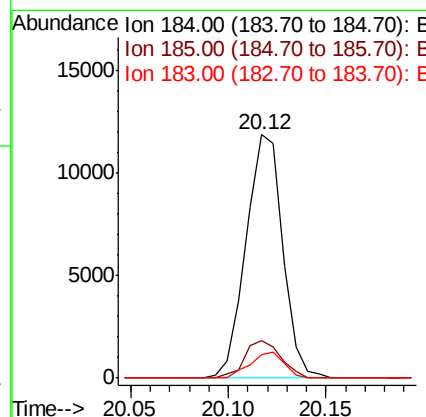
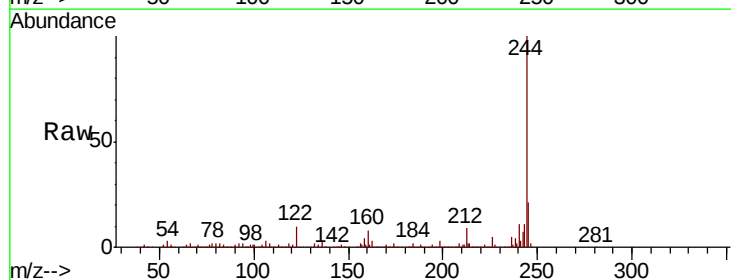
Instrument :
BNA_G
ClientSampled :
SB-A-2-5

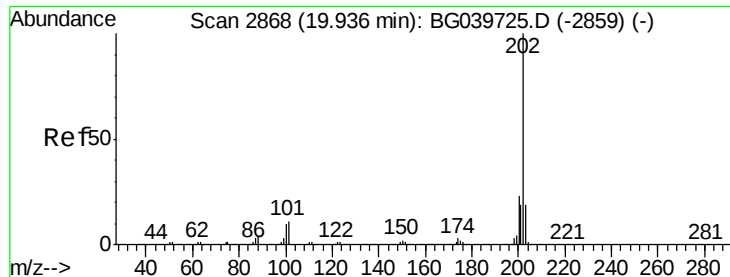
Tgt Ion:240 Resp: 325176
Ion Ratio Lower Upper
240 100
120 9.9 7.0 10.6
236 27.0 21.0 31.4



#77
Benzidine
Concen: 1.500 ng
RT: 20.12 min Scan# 2899
Delta R.T. 0.36 min
Lab File: BG039742.D
Acq: 4 Mar 2019 22:06

Tgt Ion:184 Resp: 15483
Ion Ratio Lower Upper
184 100
185 15.2 12.2 18.2
183 9.7 10.6 15.8#





#78

Pyrene

Concen: 0.049 ng

RT: 19.93 min Scan# 2867

Delta R.T. -0.01 min

Lab File: BG039742.D

Acq: 4 Mar 2019 22:06

Instrument :

BNA_G

ClientSampled :

SB-A-2-5

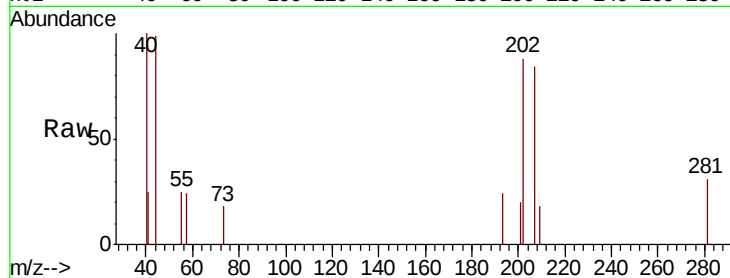
Tgt Ion:202 Resp: 1042

Ion Ratio Lower Upper

202 100

200 0.0 17.8 26.8#

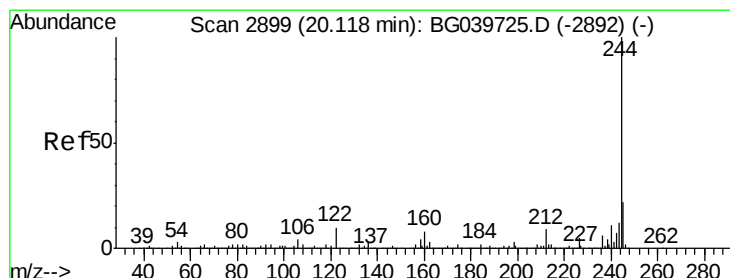
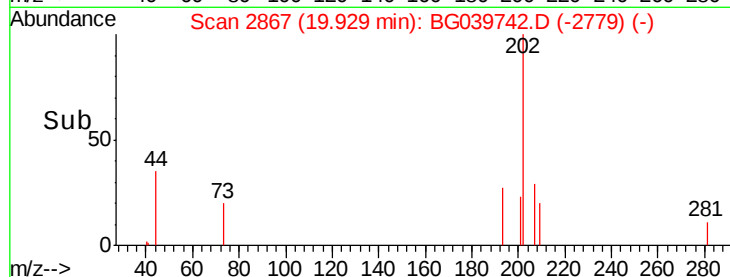
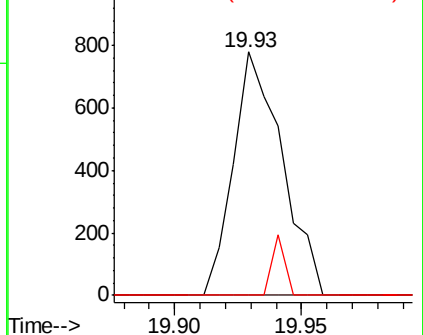
203 0.0 15.3 22.9#



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: 60.702 ng

RT: 20.12 min Scan# 2899

Delta R.T. -0.01 min

Lab File: BG039742.D

Acq: 4 Mar 2019 22:06

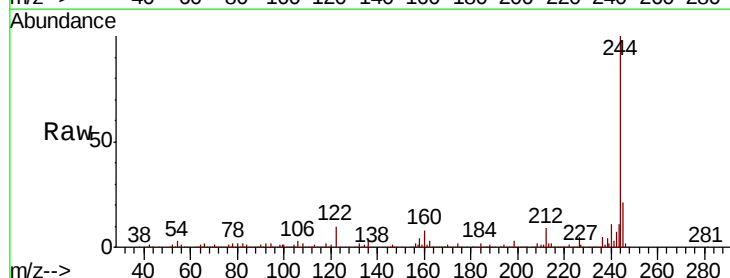
Tgt Ion:244 Resp: 896483

Ion Ratio Lower Upper

244 100

212 8.6 7.3 10.9

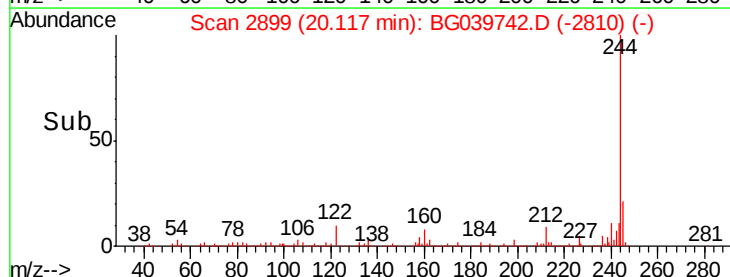
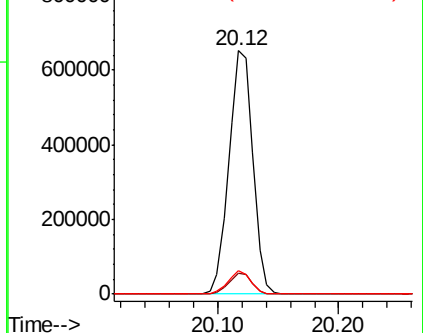
122 9.8 8.4 12.6

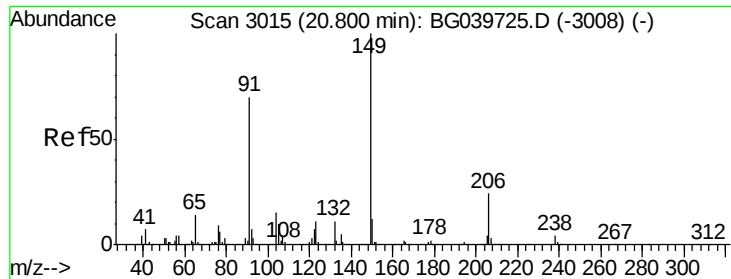


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

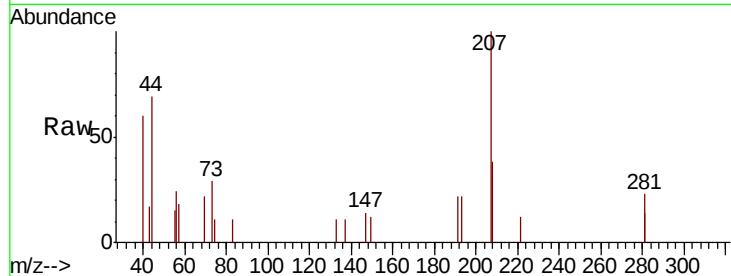




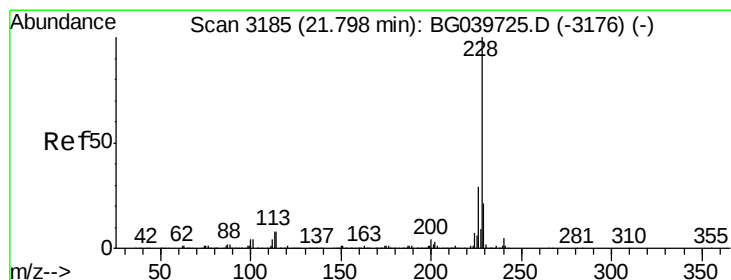
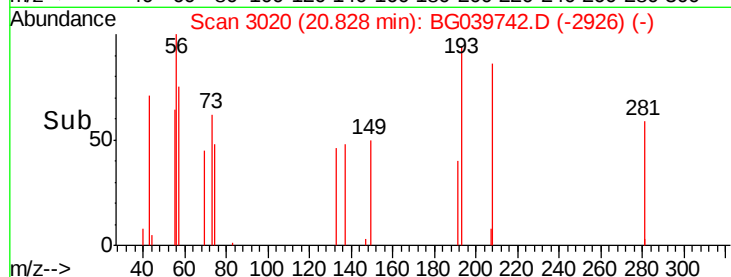
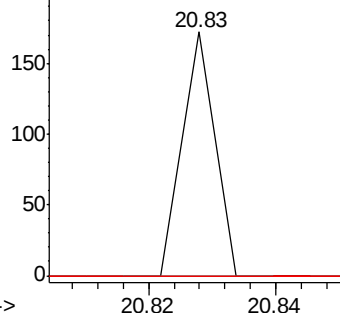
#80
Butylbenzylphthalate
Concen: 0.007 ng
RT: 20.83 min Scan# 3020
Delta R.T. 0.02 min
Lab File: BG039742.D
Acq: 4 Mar 2019 22:06

Instrument :
BNA_G
ClientSampled :
SB-A-2-5

Tgt Ion:149 Resp: 61
Ion Ratio Lower Upper
149 100
91 0.0 59.5 89.3#
206 0.0 18.6 27.8#

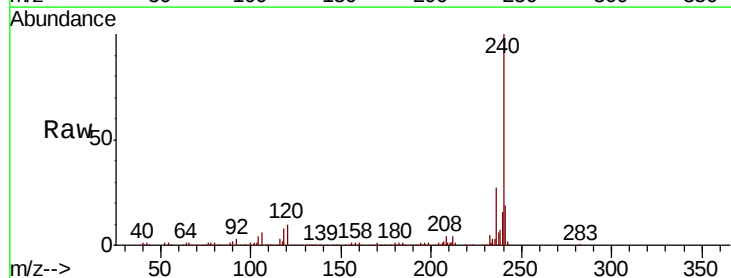


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BG
Ion 206.00 (205.70 to 206.70): E

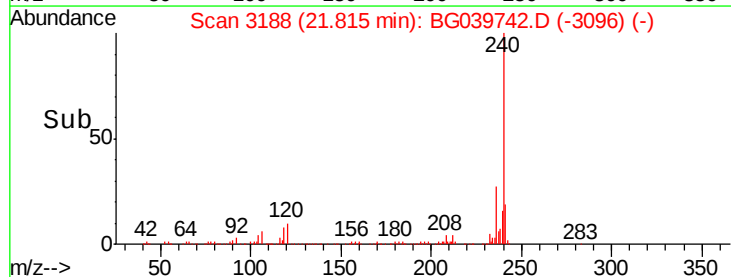
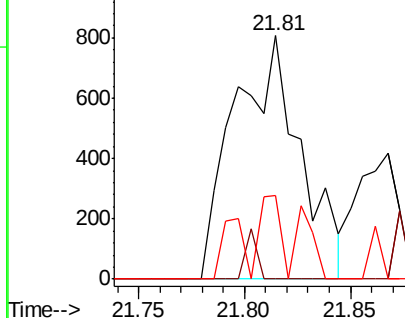


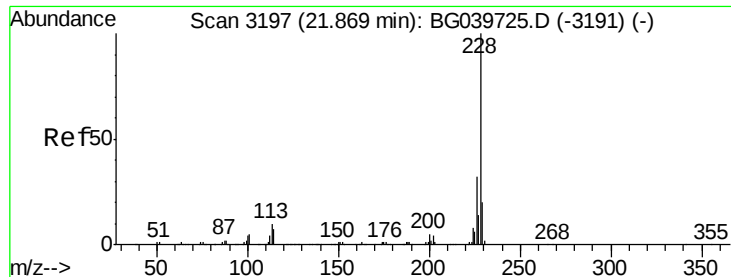
#81
Benzo(a)anthracene
Concen: 0.086 ng
RT: 21.81 min Scan# 3188
Delta R.T. 0.01 min
Lab File: BG039742.D
Acq: 4 Mar 2019 22:06

Tgt Ion:228 Resp: 1761
Ion Ratio Lower Upper
228 100
226 0.0 23.0 34.6#
229 34.3 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





#83

Chrysene

Concen: 0.028 ng

RT: 21.87 min Scan# 3197

Delta R.T. -0.01 min

Lab File: BG039742.D

Acq: 4 Mar 2019 22:06

Instrument :

BNA_G

ClientSampleId :

SB-A-2-5

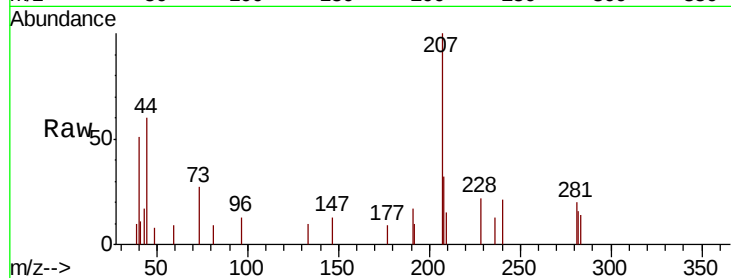
Tgt Ion:228 Resp: 559

Ion Ratio Lower Upper

228 100

226 0.0 25.8 38.6#

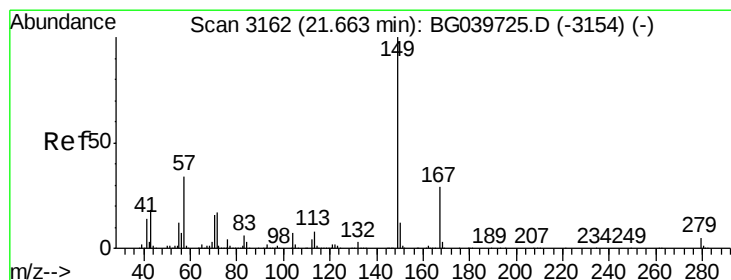
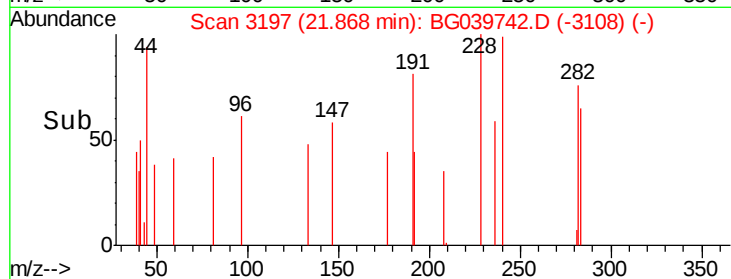
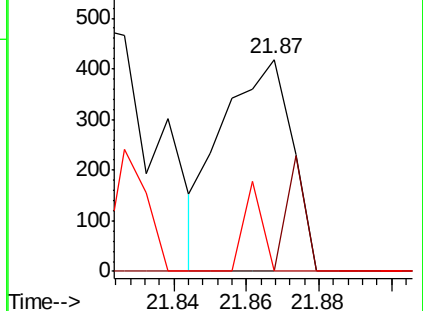
229 0.0 16.6 25.0#



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 0.055 ng

RT: 21.66 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BG039742.D

Acq: 4 Mar 2019 22:06

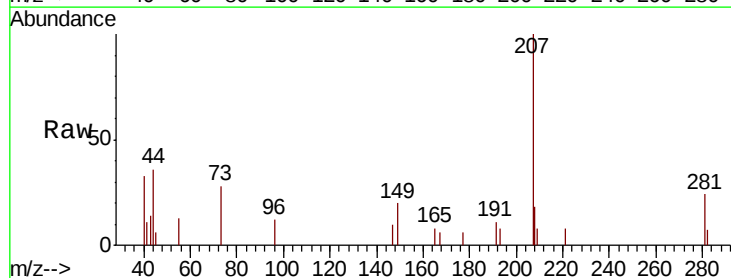
Tgt Ion:149 Resp: 636

Ion Ratio Lower Upper

149 100

167 31.2 22.6 34.0

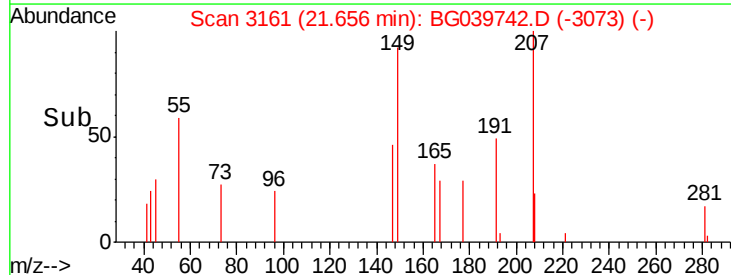
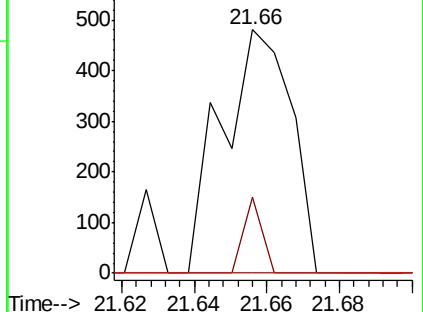
279 0.0 3.5 5.3#

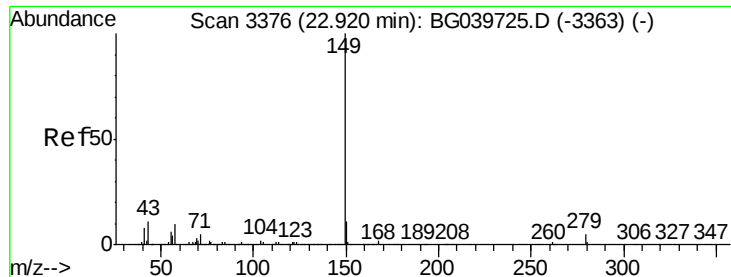


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 0.003 ng

RT: 22.96 min Scan# 3383

Delta R.T. 0.03 min

Lab File: BG039742.D

Acq: 4 Mar 2019 22:06

Instrument :

BNA_G

ClientSampleId :

SB-A-2-5

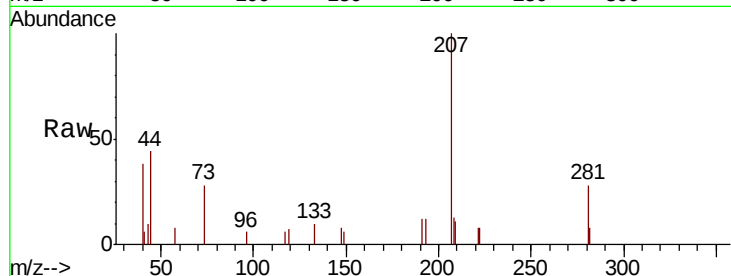
Tgt Ion:149 Resp: 54

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

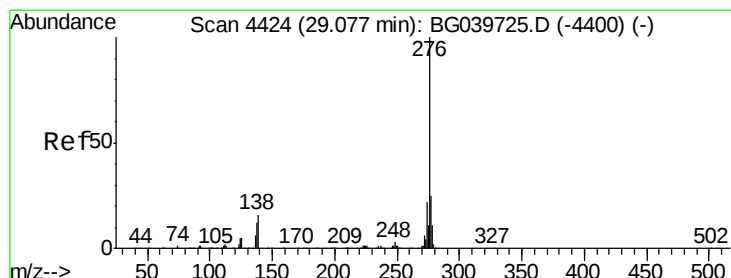
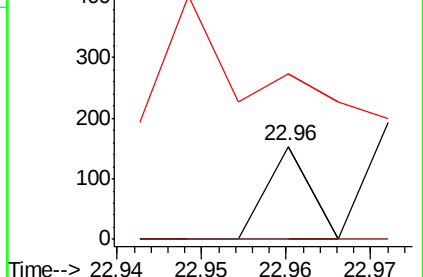
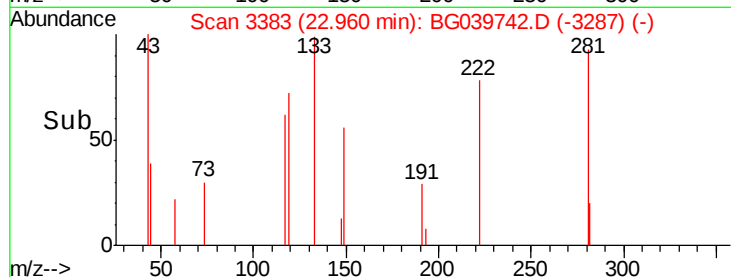
43 490.7 10.2 15.4#



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: 0.002 ng

RT: 29.07 min Scan# 4423

Delta R.T. -0.02 min

Lab File: BG039742.D

Acq: 4 Mar 2019 22:06

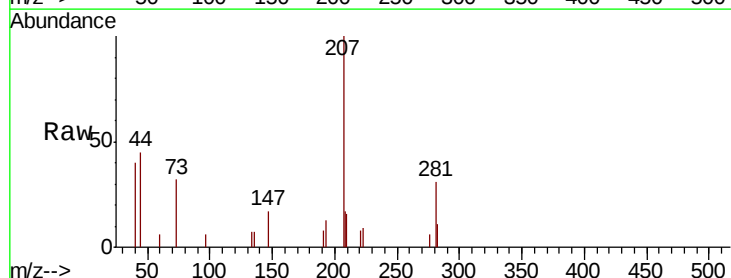
Tgt Ion:276 Resp: 56

Ion Ratio Lower Upper

276 100

138 0.0 12.6 19.0#

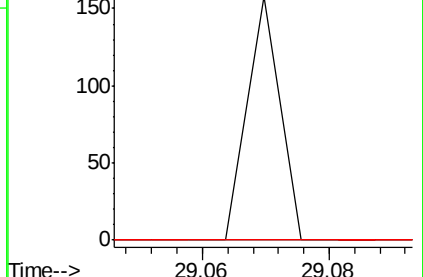
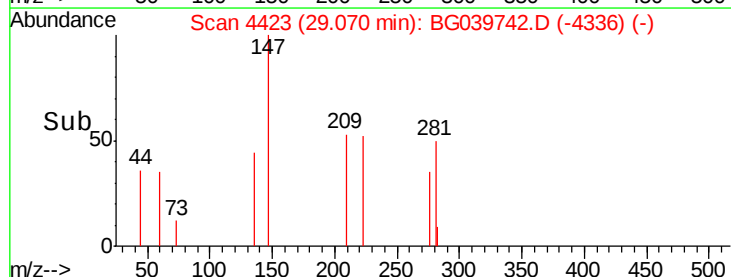
277 0.0 20.8 31.2#

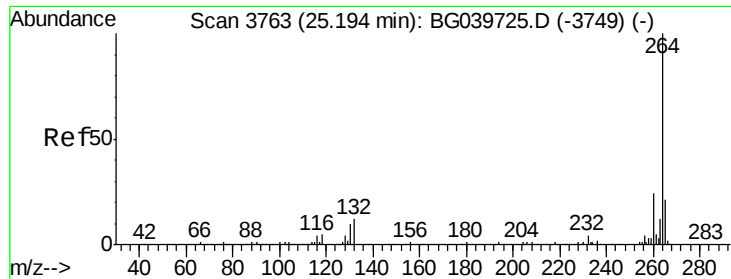


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



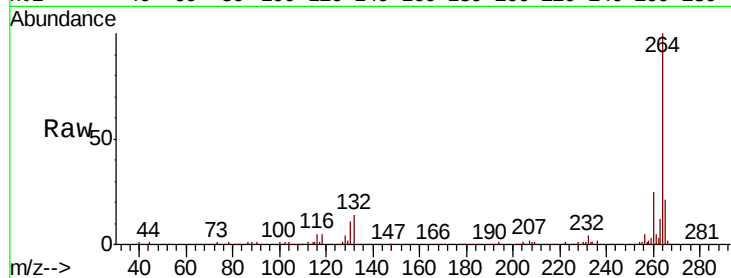


#87
Perylene-d12
Concen: 20.000 ng
RT: 25.19 min Scan# 3762
Delta R.T. -0.01 min
Lab File: BG039742.D
Acq: 4 Mar 2019 22:06

Instrument :
BNA_G
ClientSampleId :
SB-A-2-5

Tgt Ion:264 Resp: 326079

Ion	Ratio	Lower	Upper
264	100		
260	24.8	18.2	27.4
265	21.2	18.5	27.7

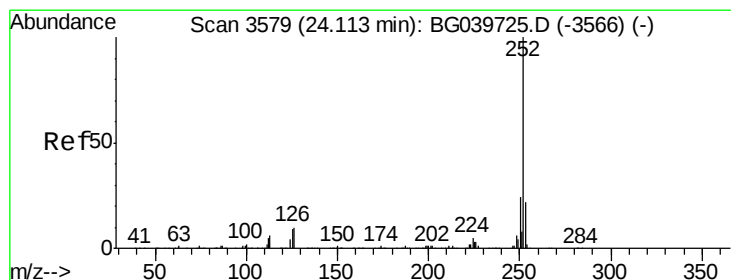
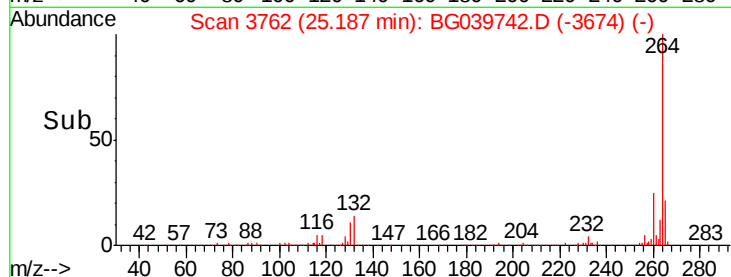
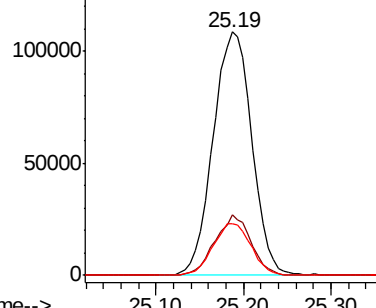


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

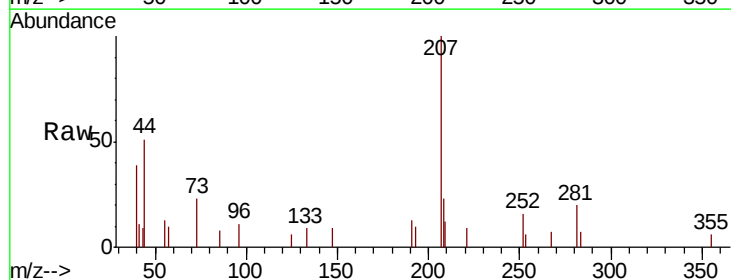
Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 0.022 ng
RT: 24.11 min Scan# 3578
Delta R.T. -0.01 min
Lab File: BG039742.D
Acq: 4 Mar 2019 22:06

Tgt Ion:252 Resp: 428

Ion	Ratio	Lower	Upper
252	100		
253	36.3	17.8	26.8#
125	0.0	7.8	11.6#

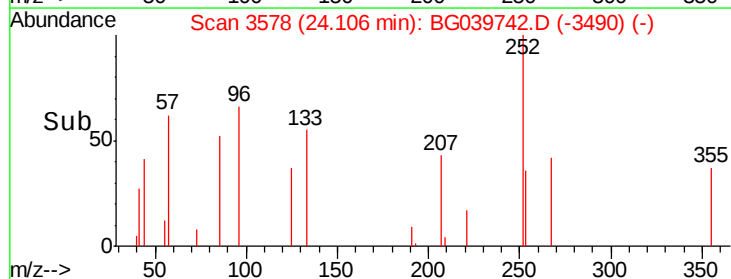
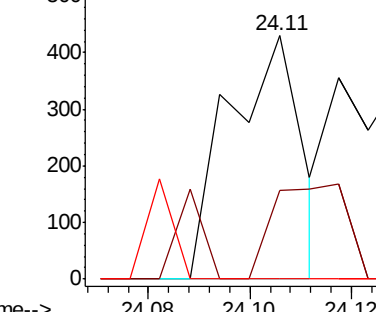


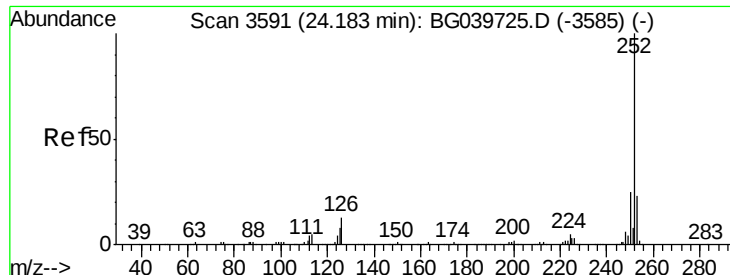
Abundance

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: 0.008 ng

RT: 24.16 min Scan# 3587

Delta R.T. -0.03 min

Lab File: BG039742.D

Acq: 4 Mar 2019 22:06

Instrument :

BNA_G

ClientSampled :

SB-A-2-5

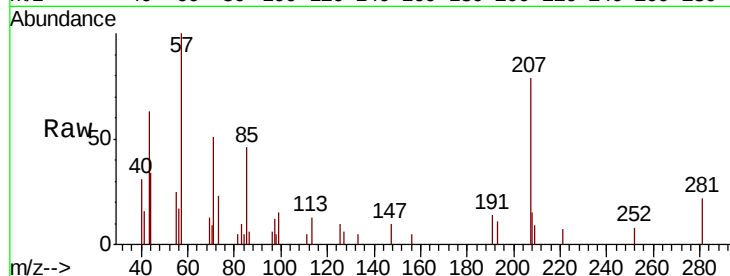
Tgt Ion:252 Resp: 150

Ion Ratio Lower Upper

252 100

253 0.0 18.2 27.2#

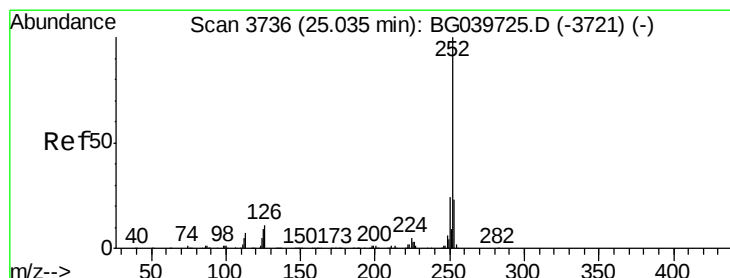
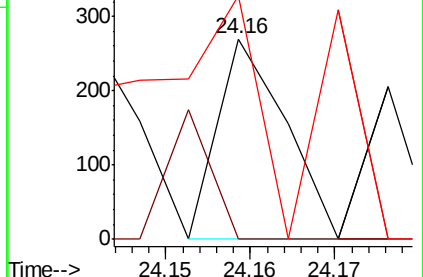
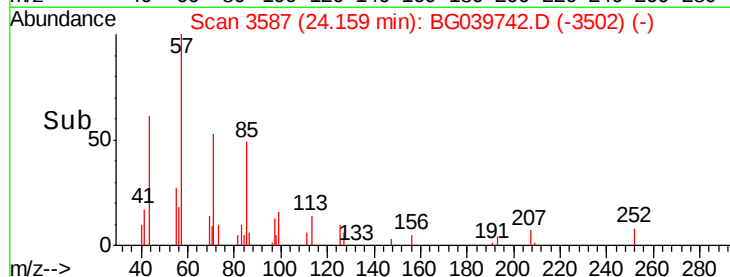
125 121.5 7.4 11.2#



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



#90

Benzo(a)pyrene

Concen: 0.040 ng

RT: 25.03 min Scan# 3735

Delta R.T. -0.01 min

Lab File: BG039742.D

Acq: 4 Mar 2019 22:06

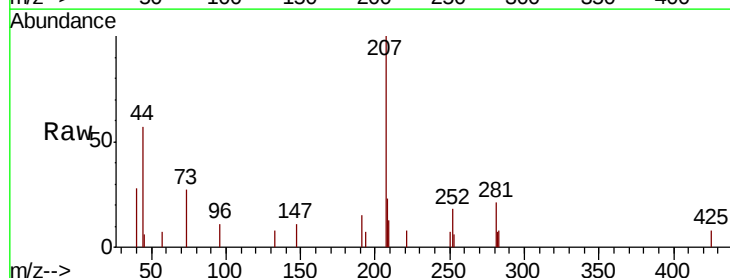
Tgt Ion:252 Resp: 726

Ion Ratio Lower Upper

252 100

253 33.8 17.9 26.9#

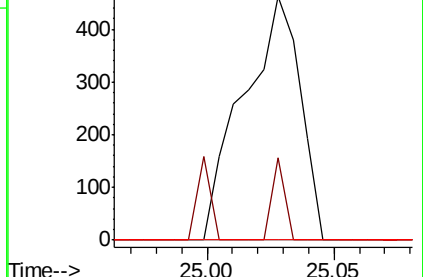
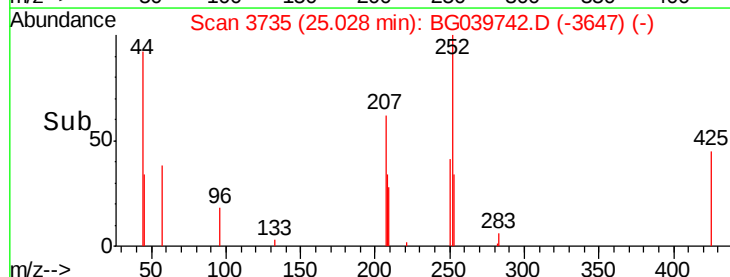
125 0.0 8.3 12.5#

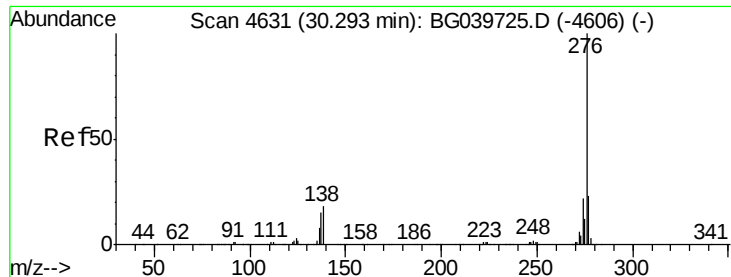


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

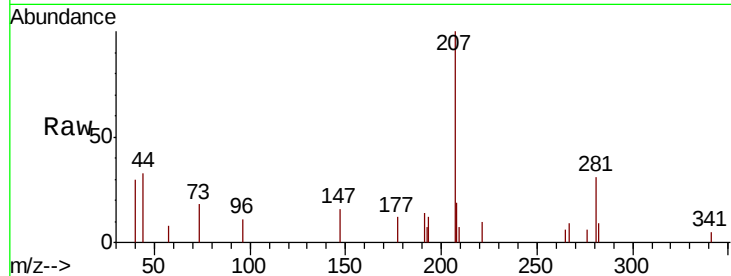




#92
 Benzo(g,h,i)perylene
 Concen: 0.003 ng
 RT: 30.29 min Scan# 4631
 Delta R.T. -0.02 min
 Lab File: BG039742.D
 Acq: 4 Mar 2019 22:06

Instrument :
 BNA_G
 ClientSampleId :
 SB-A-2-5

Tgt 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

