

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG101918\
 Data File : BG037447.D
 Acq On : 19 Oct 2018 10:45
 Operator : JU/SJ
 Sample : PB113692BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB113692BL

Quant Time: Oct 19 23:49:47 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG101818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 18 14:06:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	62009	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	269473	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	187410	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	484063	20.00	ng	0.00
76) Chrysene-d12	21.77	240	447078	20.00	ng	0.00
87) Perylene-d12	25.10	264	430089	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	444784	119.92	ng	0.00
7) Phenol-d6	7.25	99	642181	114.50	ng	0.00
23) Nitrobenzene-d5	9.28	82	361527	75.16	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	235327	115.13	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	907114	72.99	ng	0.00
79) Terphenyl-d14	20.09	244	1486157	71.03	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.53	88	147	0.078	ng	# 1
3) Pyridine	3.80	79	58	0.012	ng	# 1
4) n-Nitrosodimethylamine	3.85	42	119	0.070	ng	# 1
6) Aniline	7.63	93	865	0.126	ng	# 1
8) 2-Chlorophenol	7.55	128	54	0.012	ng	# 32
9) Benzaldehyde	7.25	77	861	0.245	ng	# 4
10) Phenol	7.63	94	1076	0.182	ng	# 1
11) bis(2-Chloroethyl)ether	7.63	93	865	0.192	ng	# 1
12) 1,3-Dichlorobenzene	8.43	146	54	0.011	ng	# 1
13) 1,4-Dichlorobenzene	8.43	146	54	0.011	ng	# 1
14) 1,2-Dichlorobenzene	8.43	146	54	0.011	ng	# 1
15) Benzyl Alcohol	8.43	79	5373	1.297	ng	# 41
17) 2-Methylphenol	8.41	107	55	0.014	ng	# 1
20) 3+4-Methylphenols	8.41	107	55	0.010	ng	# 1
24) Nitrobenzene	9.29	77	1082	0.217	ng	# 46
25) Isophorone	9.52	82	370	0.042	ng	# 67
46) 1,1'-Biphenyl	13.58	154	1428	0.092	ng	# 67
48) 2-Nitroaniline	13.36	65	1440	0.404	ng	# 1
49) Acenaphthylene	14.46	152	71	0.004	ng	# 59
52) Acenaphthene	14.74	154	617	0.057	ng	# 3
58) Fluorene	16.23	166	11758	0.871	ng	# 77
61) 4-Chlorophenyl-phenylether	15.91	204	53	0.007	ng	# 30
63) Azobenzene	16.22	77	1320	0.093	ng	# 27
66) n-Nitrosodiphenylamine	16.23	169	9492	0.652	ng	# 47
71) Phenanthrene	17.48	178	56	0.002	ng	# 1
72) Anthracene	17.48	178	56	0.002	ng	# 1
73) Carbazole	17.49	167	54	0.002	ng	# 58
74) Di-n-butylphthalate	18.88	149	53	0.002	ng	# 77
77) Benzidine	20.09	184	24302	1.599	ng	# 94
78) Pyrene	20.09	202	5437	0.186	ng	# 68
80) Butylbenzylphthalate	20.84	149	57	0.005	ng	# 23
81) Benzo(a)anthracene	21.77	228	1224	0.046	ng	# 65
82) 3,3'-Dichlorobenzidine	21.56	252	77	0.008	ng	# 25
83) Chrysene	21.77	228	1224	0.048	ng	# 62

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG101918\
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 Misc :
 ALS Vial : 3 Sample Multiplier: 1

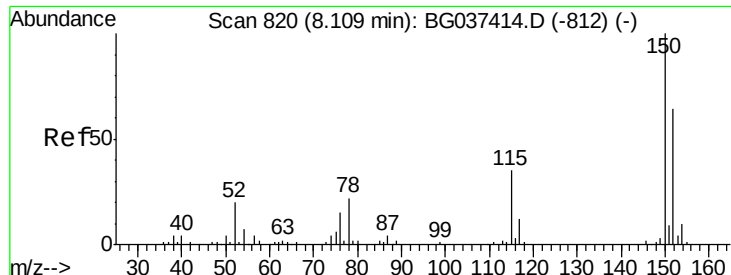
Instrument :
 BNA_G
 ClientSampleId :
 PB113692BL

Quant Time: Oct 19 23:49:47 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG101818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 18 14:06:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Bis(2-ethylhexyl)phthalate	21.63	149	580	0.035	ng	# 51
85) Di-n-octyl phthalate	22.86	149	242	0.009	ng	# 1
86) Indeno(1,2,3-cd)pyrene	28.90	276	74	0.003	ng	# 55
88) Benzo(b)fluoranthene	24.05	252	55	0.002	ng	# 59
89) Benzo(k)fluoranthene	24.10	252	65	0.003	ng	# 60
90) Benzo(a)pyrene	24.96	252	121	0.005	ng	# 60
91) Dibenzo(a,h)anthracene	28.97	278	60	0.003	ng	# 57
92) Benzo(g,h,i)perylene	30.10	276	56	0.003	ng	# 53

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

```
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Data File : BG037447.D
Acq On    : 19 Oct 2018  10:45
Operator  : JU/SJ
Sample    : PB113692BL
Misc      :
ALS Vial  : 3      Sample Multiplier: 1
```

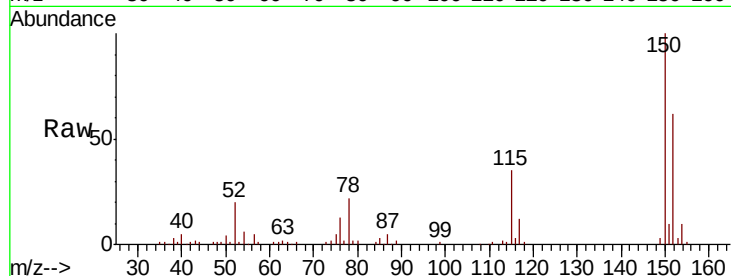


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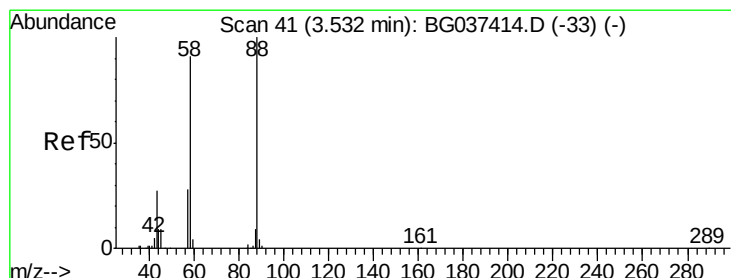
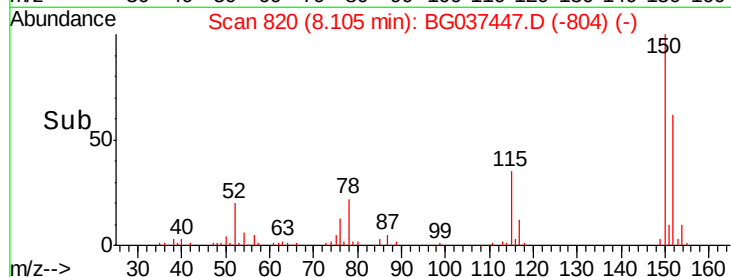
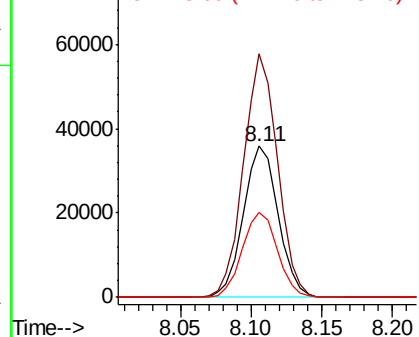
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 820
Delta R.T. -0.00 min
Lab File: BG037447.D
Acq: 19 Oct 2018 10:45

Instrument :
BNA_G
ClientSampleId :
PB113692BL

Tgt Ion:152 Resp: 62009
Ion Ratio Lower Upper
152 100
150 161.0 126.0 189.0
115 56.4 45.5 68.3



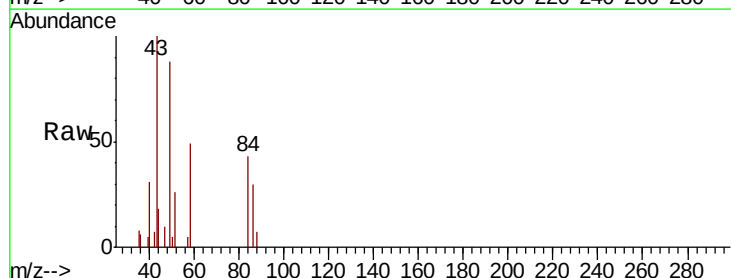
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



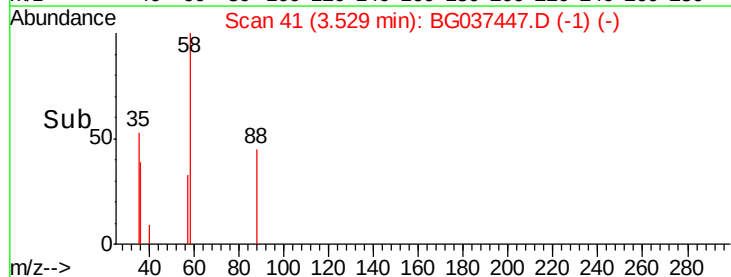
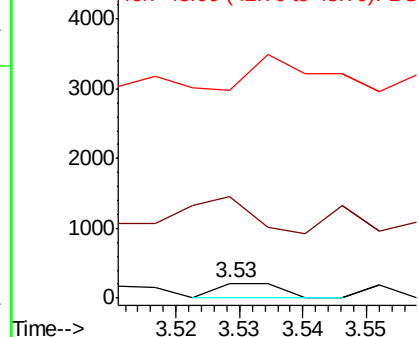
#2

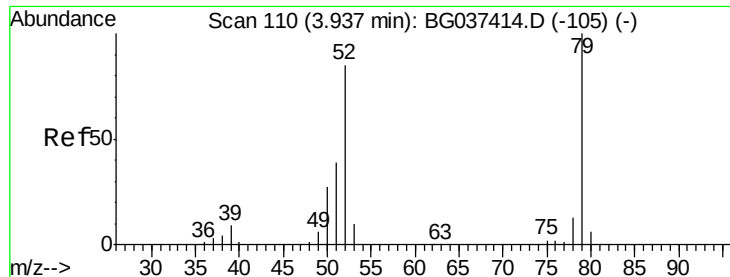
1,4-Dioxane
Concen: 0.078 ng
RT: 3.53 min Scan# 41
Delta R.T. -0.00 min
Lab File: BG037447.D
Acq: 19 Oct 2018 10:45

Tgt Ion: 88 Resp: 147
Ion Ratio Lower Upper
88 100
58 568.0 74.4 111.6#
43 267.3 25.8 38.8#



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: 0.012 ng

RT: 3.80 min Scan# 87

Delta R.T. -0.14 min

Lab File: BG037447.D

Acq: 19 Oct 2018 10:45

Instrument :

BNA_G

ClientSampleId :

PB113692BL

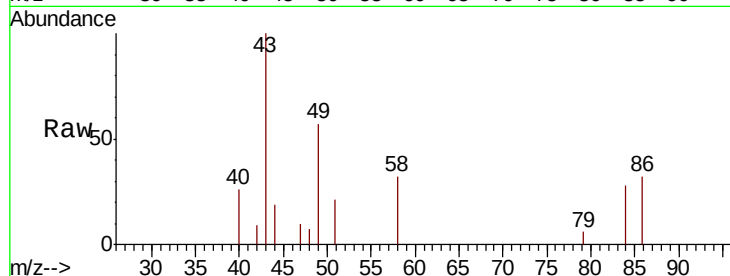
Tgt Ion: 79 Resp: 58

Ion Ratio Lower Upper

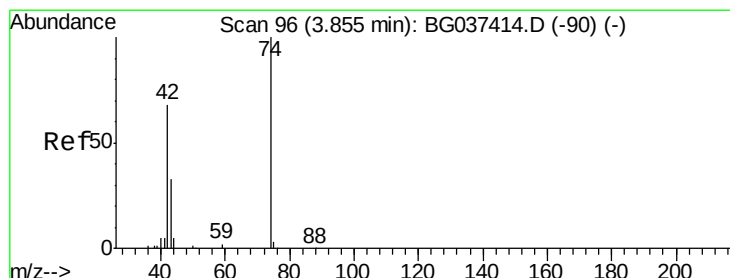
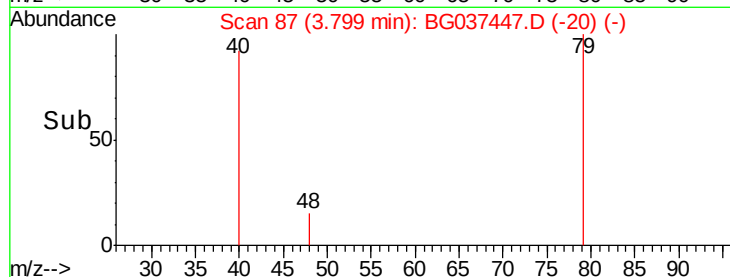
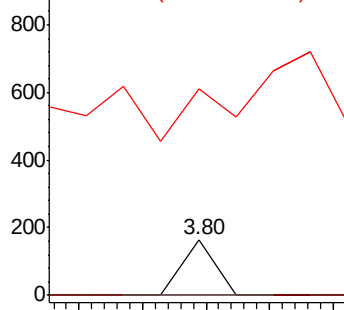
79 100

52 0.0 74.2 111.2#

51 369.1 34.6 51.8#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 52.00 (51.70 to 52.70): BGC
Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 0.070 ng

RT: 3.85 min Scan# 96

Delta R.T. -0.00 min

Lab File: BG037447.D

Acq: 19 Oct 2018 10:45

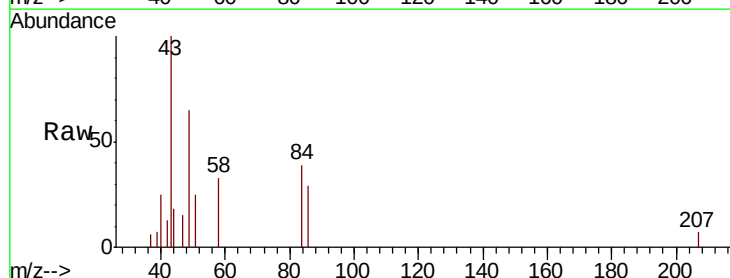
Tgt Ion: 42 Resp: 119

Ion Ratio Lower Upper

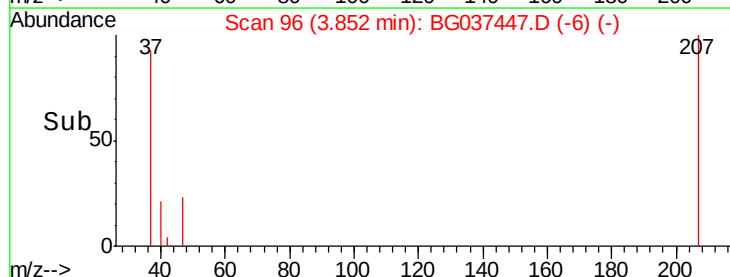
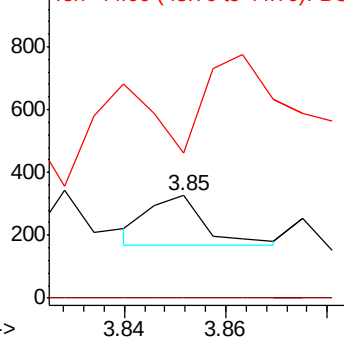
42 100

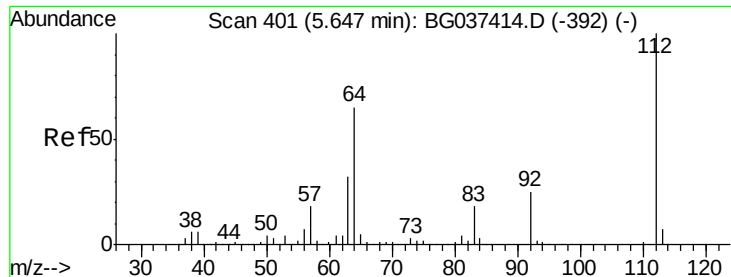
74 0.0 102.0 153.0#

44 141.4 9.6 14.4#



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: 119.920 ng

RT: 5.64 min Scan# 401

Delta R.T. -0.00 min

Lab File: BG037447.D

Acq: 19 Oct 2018 10:45

Instrument :

BNA_G

ClientSampleId :

PB113692BL

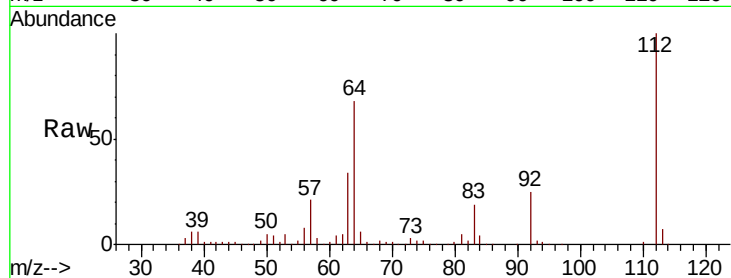
Tgt Ion: 112 Resp: 444784

Ion Ratio Lower Upper

112 100

64 67.8 53.1 79.7

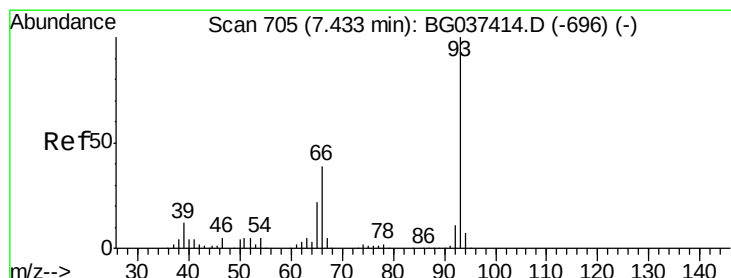
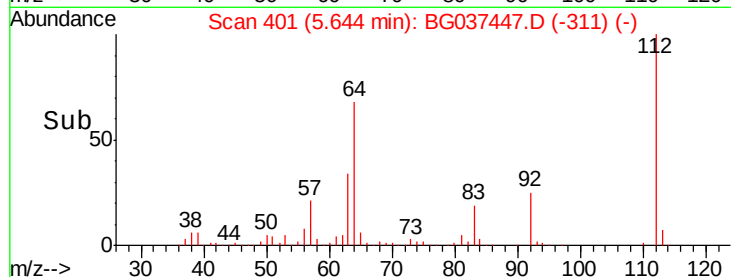
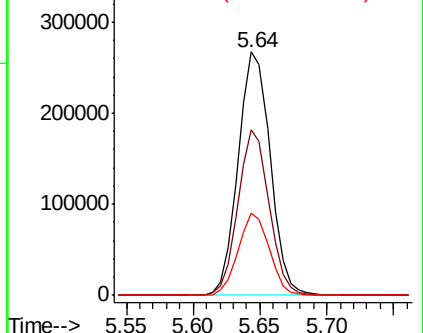
63 33.7 27.3 40.9



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



#6

Aniline

Concen: 0.126 ng

RT: 7.63 min Scan# 739

Delta R.T. 0.20 min

Lab File: BG037447.D

Acq: 19 Oct 2018 10:45

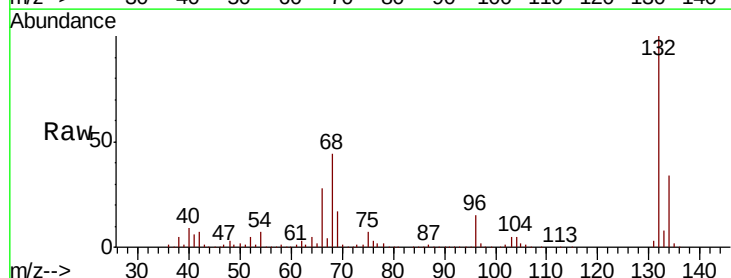
Tgt Ion: 93 Resp: 865

Ion Ratio Lower Upper

93 100

66 13070.9 32.8 49.2#

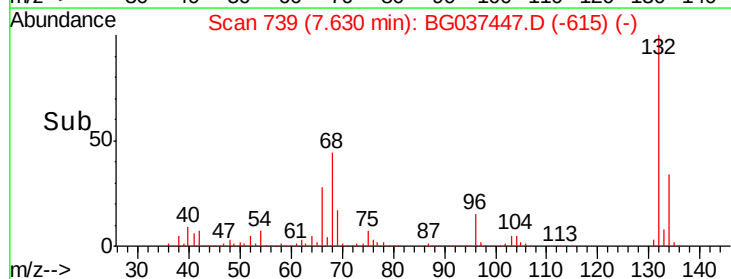
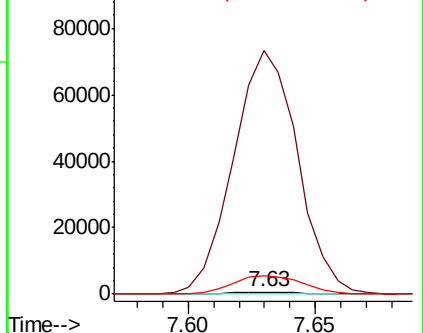
65 954.2 16.4 24.6#

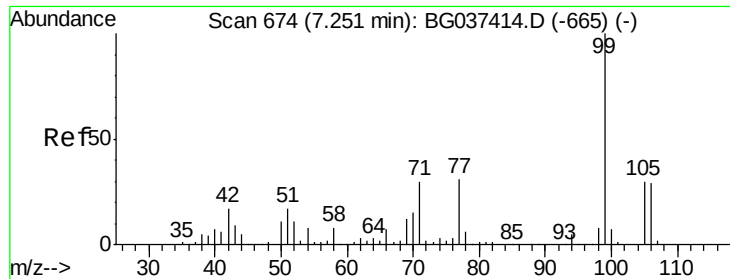


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 114.502 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037447.D

Acq: 19 Oct 2018 10:45

Instrument :

BNA_G

ClientSampleId :

PB113692BL

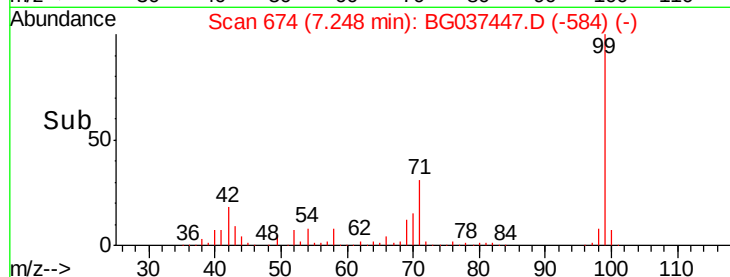
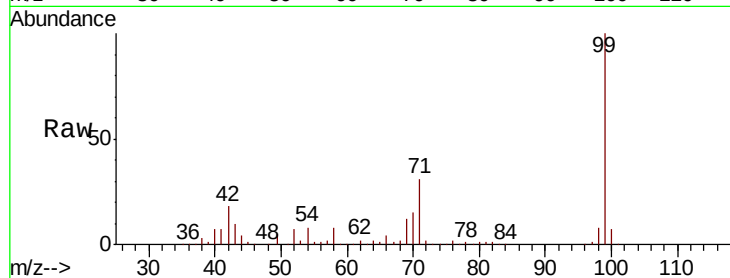
Tgt Ion: 99 Resp: 642181

Ion Ratio Lower Upper

99 100

42 17.9 15.0 22.4

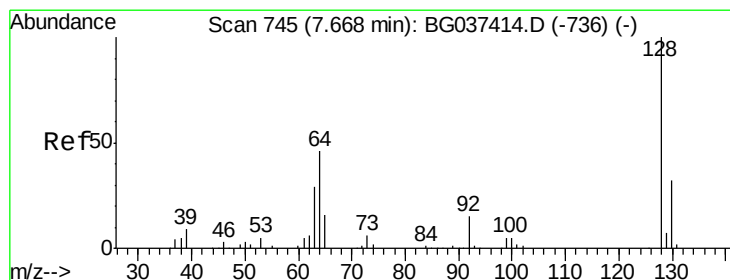
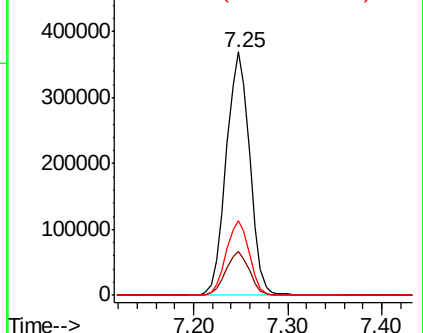
71 30.8 25.5 38.3



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



#8

2-Chlorophenol

Concen: 0.012 ng

RT: 7.55 min Scan# 725

Delta R.T. -0.12 min

Lab File: BG037447.D

Acq: 19 Oct 2018 10:45

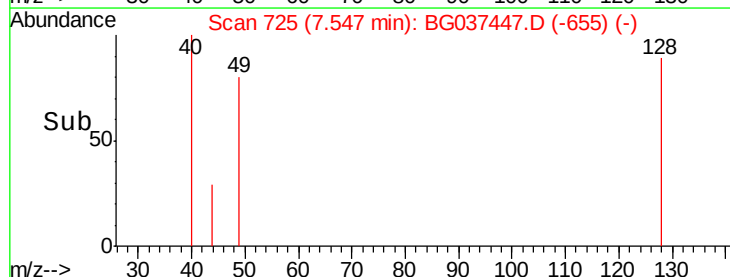
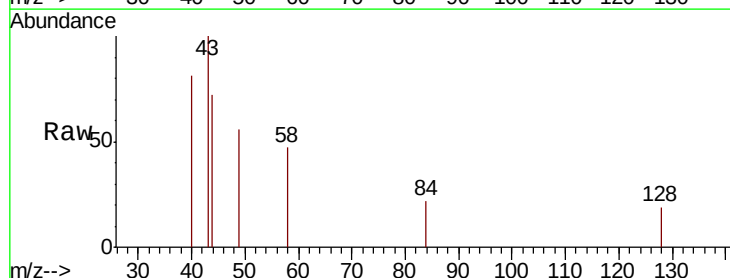
Tgt Ion: 128 Resp: 54

Ion Ratio Lower Upper

128 100

130 0.0 12.0 52.0#

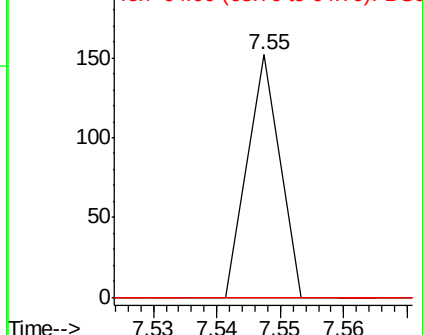
64 0.0 32.9 72.9#

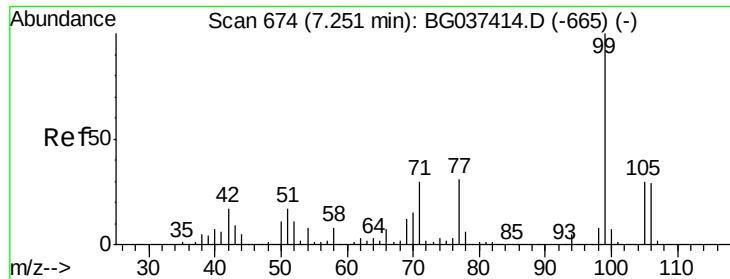


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 0.245 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037447.D

Acq: 19 Oct 2018 10:45

Instrument :

BNA_G

ClientSampled :

PB113692BL

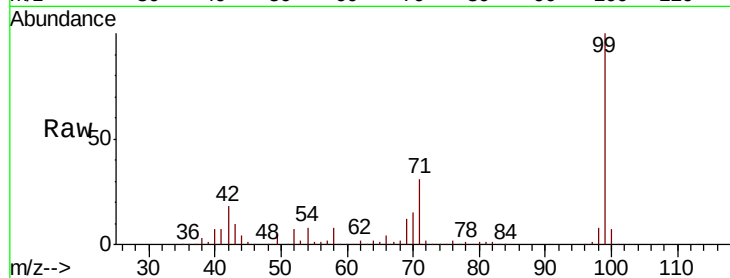
Tgt Ion: 77 Resp: 861

Ion Ratio Lower Upper

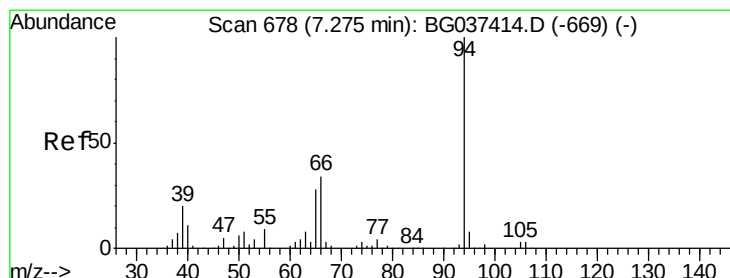
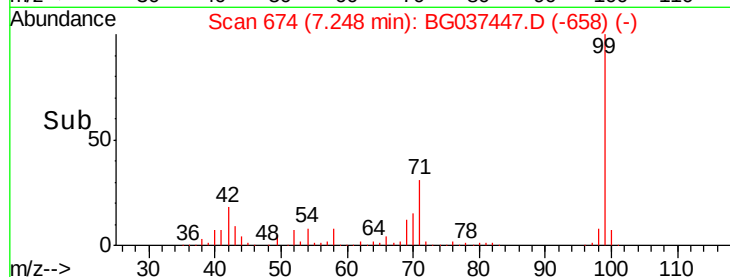
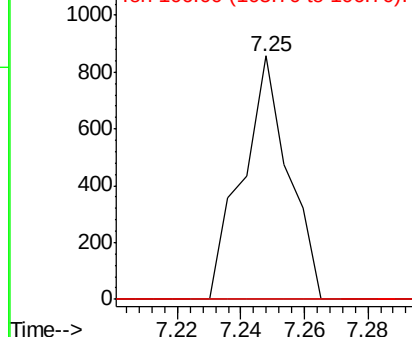
77 100

105 0.0 72.6 112.6#

106 0.0 71.3 111.3#



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: 0.182 ng

RT: 7.63 min Scan# 739

Delta R.T. 0.36 min

Lab File: BG037447.D

Acq: 19 Oct 2018 10:45

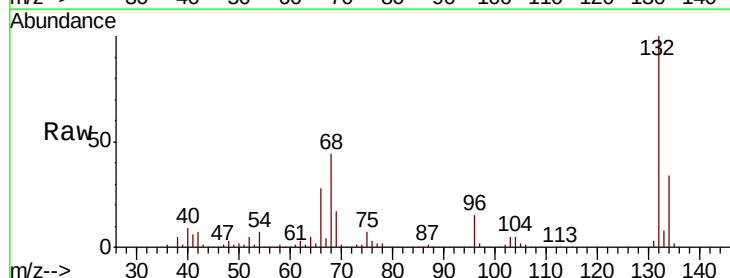
Tgt Ion: 94 Resp: 1076

Ion Ratio Lower Upper

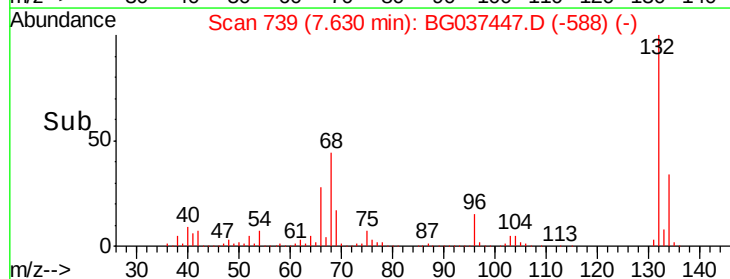
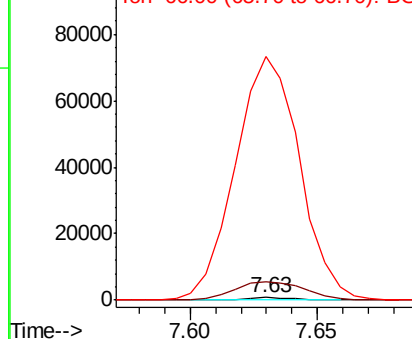
94 100

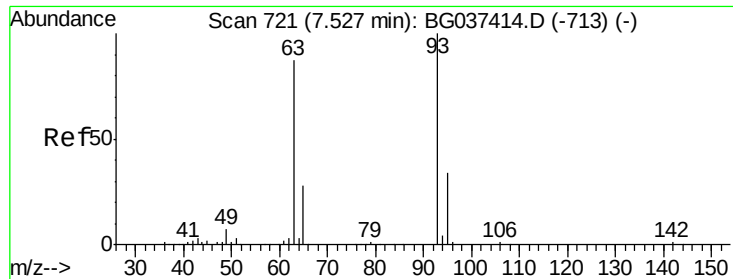
65 706.2 9.7 49.7#

66 9673.9 15.9 55.9#



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

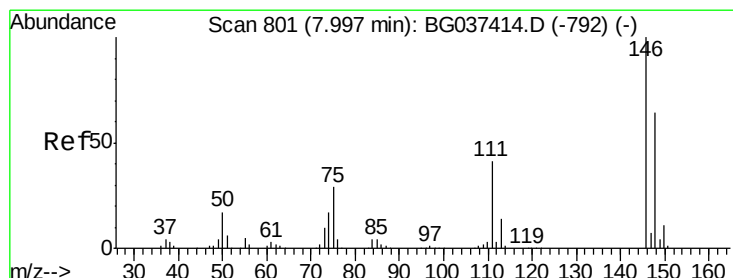
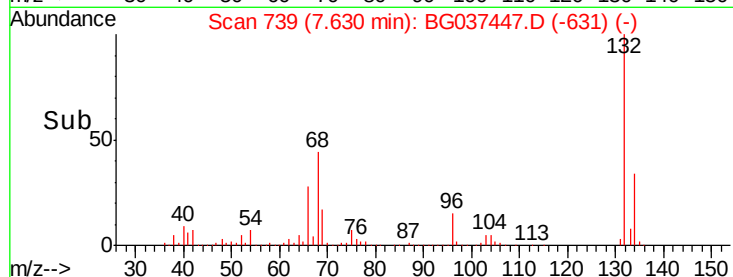
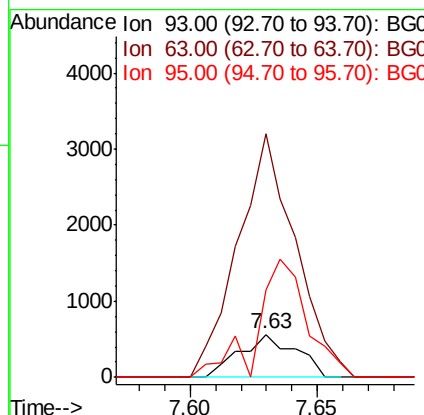
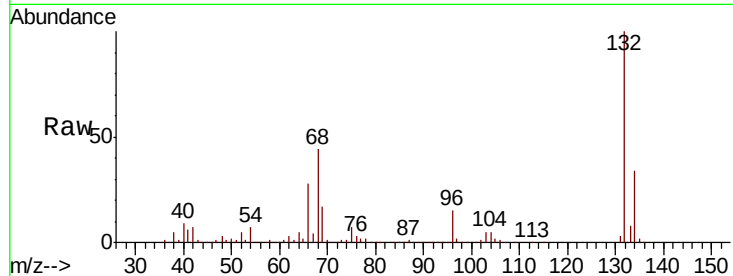




#11
 bis(2-Chloroethyl)ether
 Concen: 0.192 ng
 RT: 7.63 min Scan# 739
 Delta R.T. 0.10 min
 Lab File: BG037447.D
 Acq: 19 Oct 2018 10:45

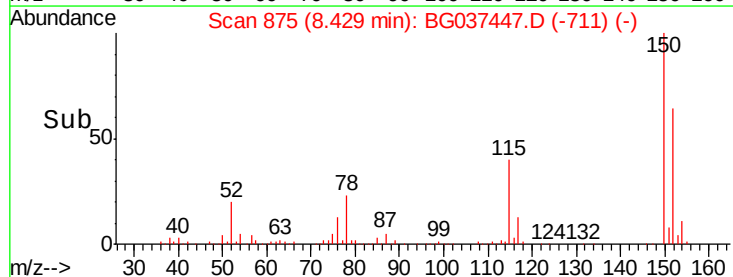
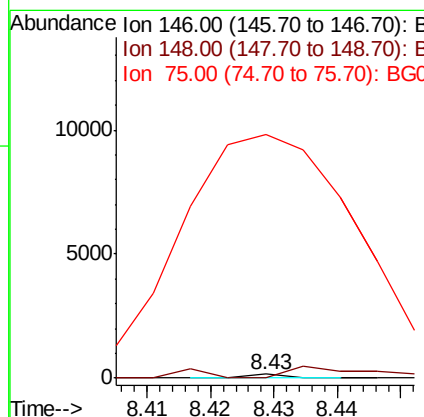
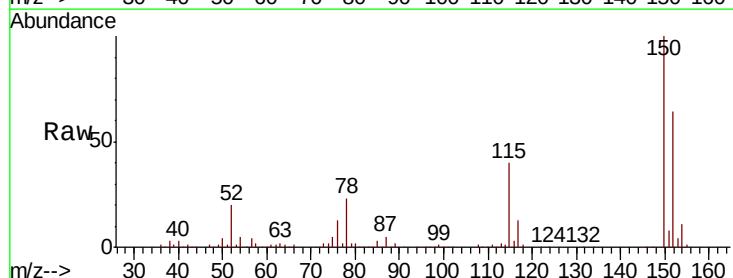
Instrument :
 BNA_G
 ClientSampleId :
 PB113692BL

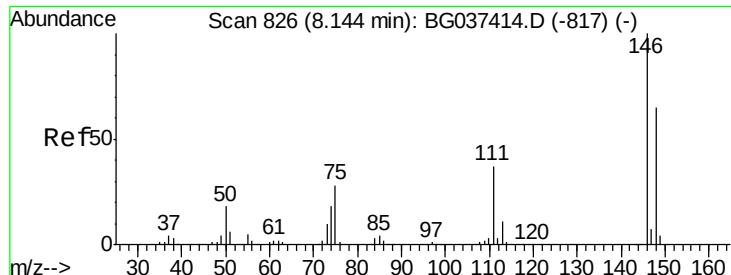
Tgt Ion: 93 Resp: 865
 Ion Ratio Lower Upper
 93 100
 63 570.4 69.5 109.5#
 95 205.7 12.6 52.6#



#12
 1,3-Dichlorobenzene
 Concen: 0.011 ng
 RT: 8.43 min Scan# 875
 Delta R.T. 0.43 min
 Lab File: BG037447.D
 Acq: 19 Oct 2018 10:45

Tgt Ion: 146 Resp: 54
 Ion Ratio Lower Upper
 146 100
 148 0.0 49.8 74.8#
 75 6372.7 23.2 34.8#

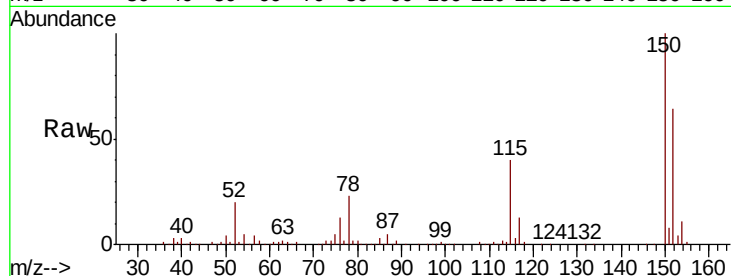




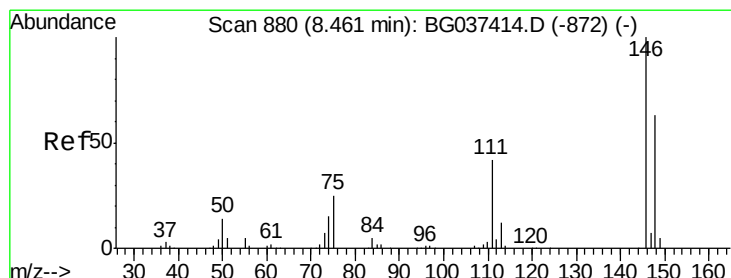
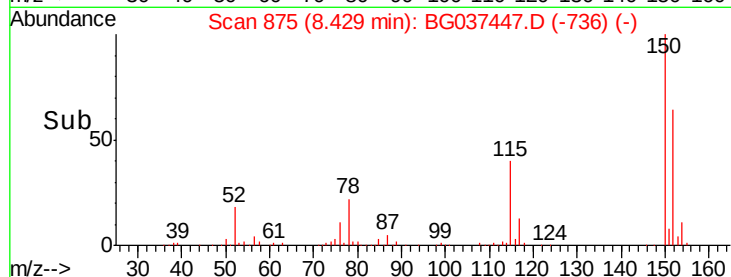
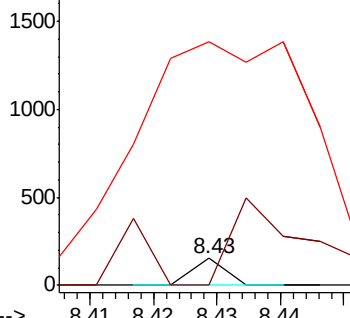
#13
 1,4-Dichlorobenzene
 Concen: 0.011 ng
 RT: 8.43 min Scan# 875
 Delta R.T. 0.28 min
 Lab File: BG037447.D
 Acq: 19 Oct 2018 10:45

Instrument :
 BNA_G
 ClientSampleId :
 PB113692BL

Tgt Ion:146 Resp: 54
 Ion Ratio Lower Upper
 146 100
 148 0.0 51.0 76.6#
 111 898.7 32.4 48.6#

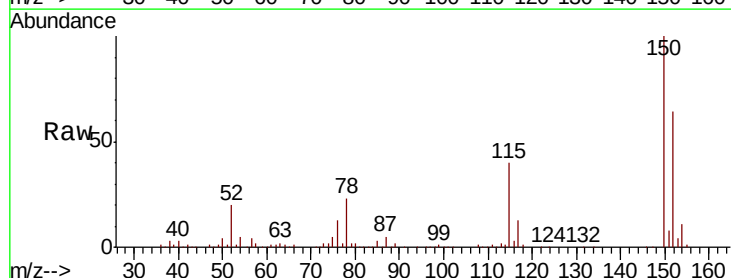


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

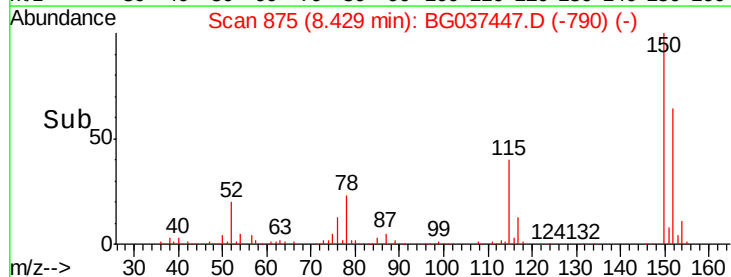
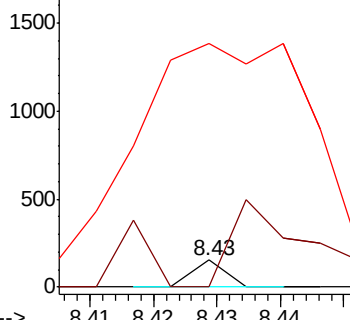


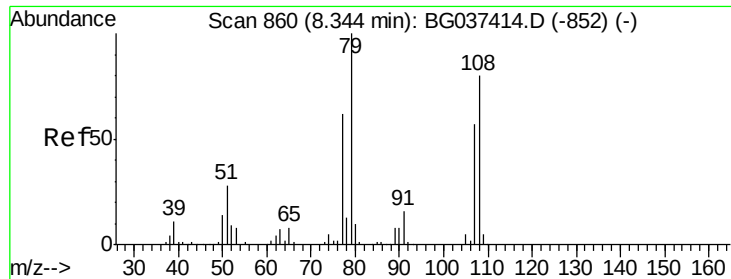
#14
 1,2-Dichlorobenzene
 Concen: 0.011 ng
 RT: 8.43 min Scan# 875
 Delta R.T. -0.03 min
 Lab File: BG037447.D
 Acq: 19 Oct 2018 10:45

Tgt Ion:146 Resp: 54
 Ion Ratio Lower Upper
 146 100
 148 0.0 50.4 75.6#
 111 898.7 34.6 51.8#



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 1.297 ng

RT: 8.43 min Scan# 875

Delta R.T. 0.08 min

Lab File: BG037447.D

Acq: 19 Oct 2018 10:45

Instrument :

BNA_G

ClientSampleId :

PB113692BL

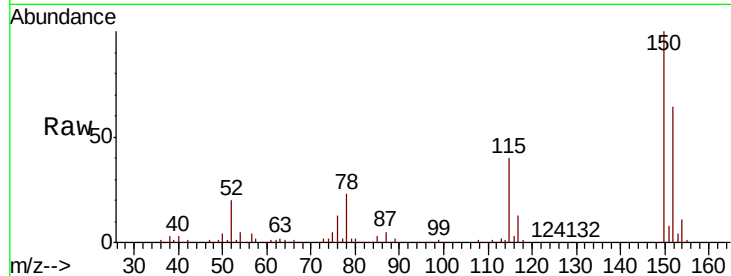
Tgt Ion: 79 Resp: 5373

Ion Ratio Lower Upper

79 100

108 27.6 65.8 98.8#

77 110.9 52.9 79.3#

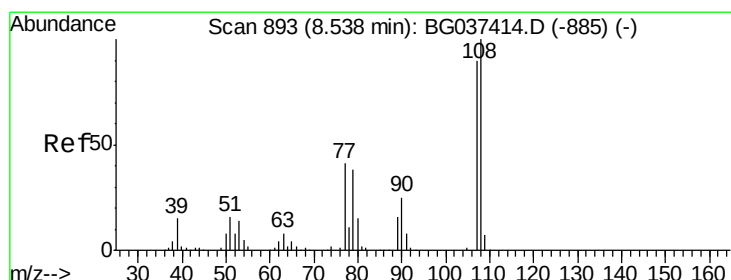
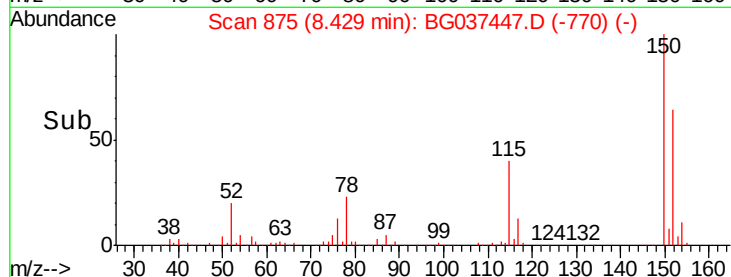
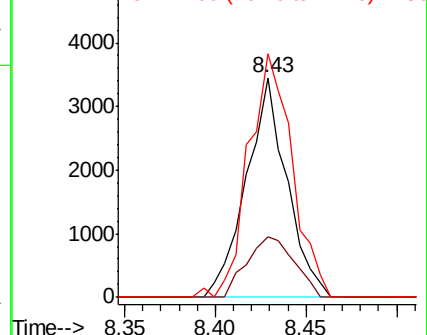


Abundance

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



#17

2-Methylphenol

Concen: 0.014 ng

RT: 8.41 min Scan# 871

Delta R.T. -0.13 min

Lab File: BG037447.D

Acq: 19 Oct 2018 10:45

Tgt Ion: 107 Resp: 55

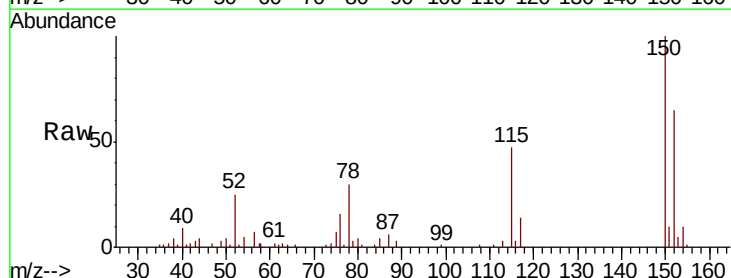
Ion Ratio Lower Upper

107 100

108 0.0 87.9 131.9#

77 174.4 35.1 52.7#

79 333.3 34.5 51.7#



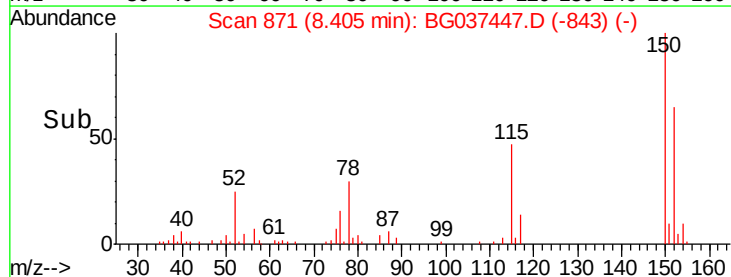
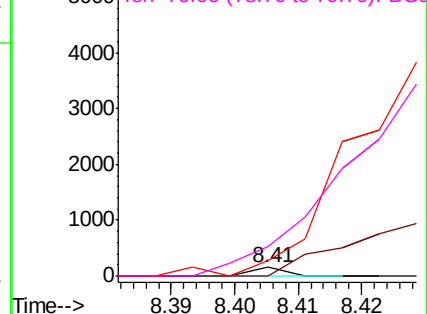
Abundance

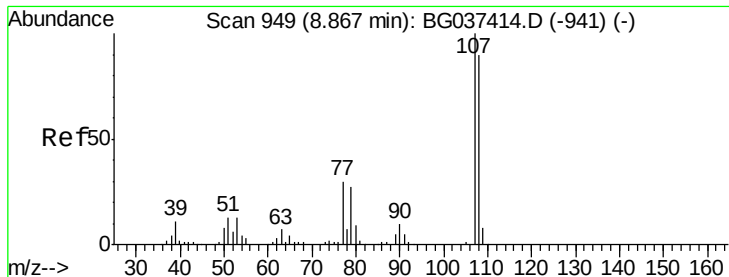
Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

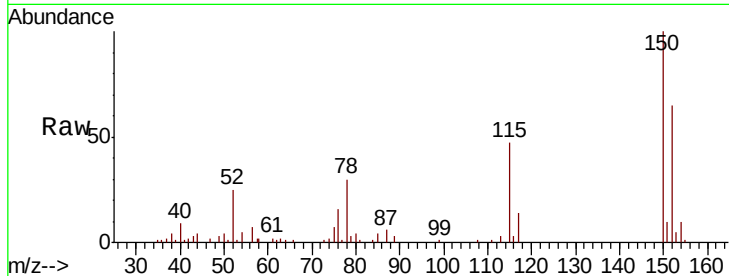




#20
 3+4-Methylphenols
 Concen: 0.010 ng
 RT: 8.41 min Scan# 871
 Delta R.T. -0.46 min
 Lab File: BG037447.D
 Acq: 19 Oct 2018 10:45

Instrument :
 BNA_G
 ClientSampleId :
 PB113692BL

Tgt Ion:	107	Resp:	55
Ion	Ratio	Lower	Upper
107	100		
108	0.0	69.9	109.9#
77	174.4	11.2	51.2#
79	333.3	6.6	46.6#



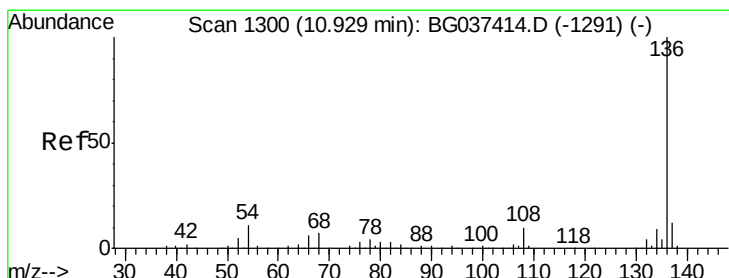
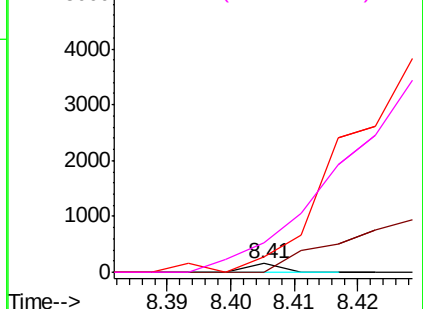
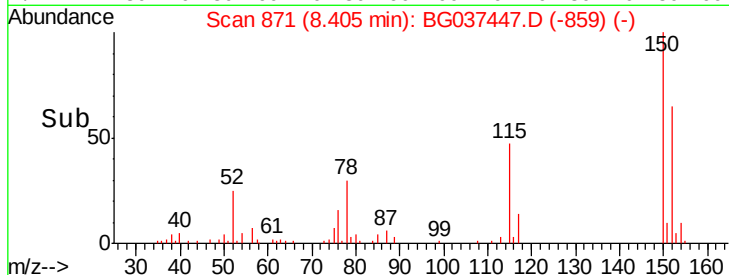
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

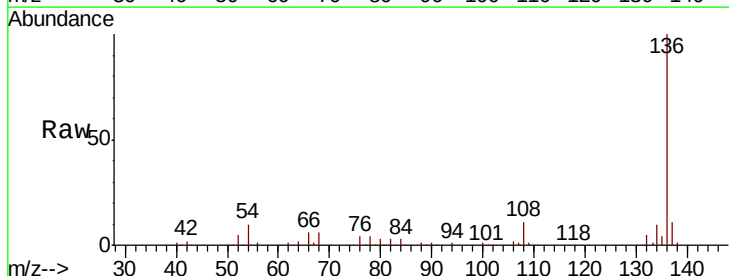
Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 10.93 min Scan# 1300
 Delta R.T. -0.00 min
 Lab File: BG037447.D
 Acq: 19 Oct 2018 10:45

Tgt Ion:	136	Resp:	269473
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.6	14.4
54	10.0	7.9	11.9
68	6.3	4.8	7.2



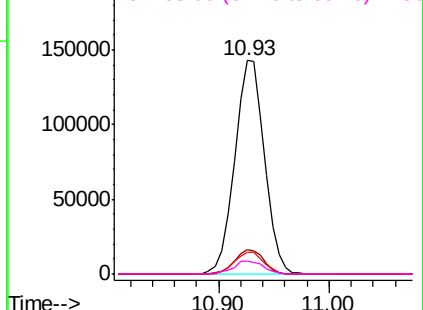
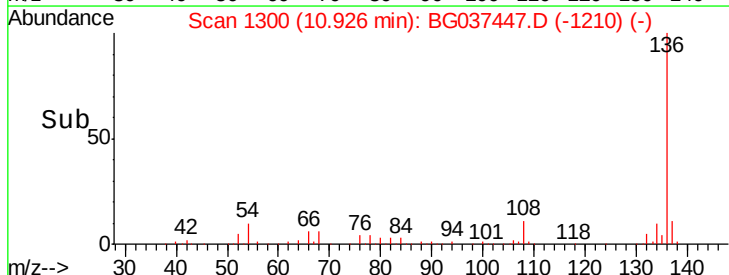
Abundance

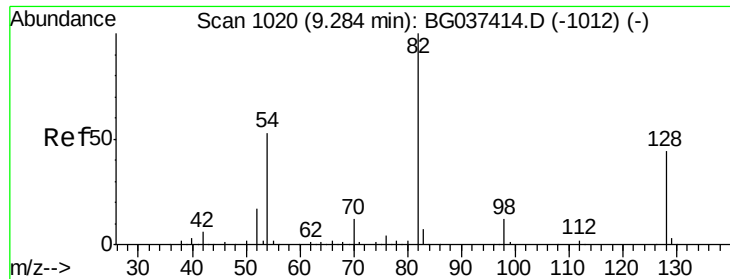
Ion 136.00 (135.70 to 136.70): E

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

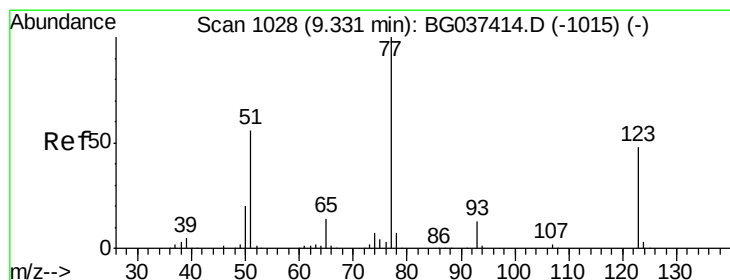
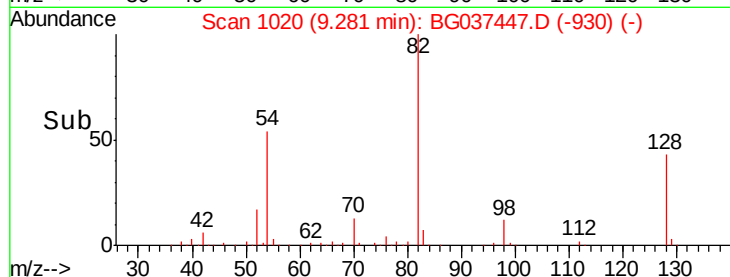
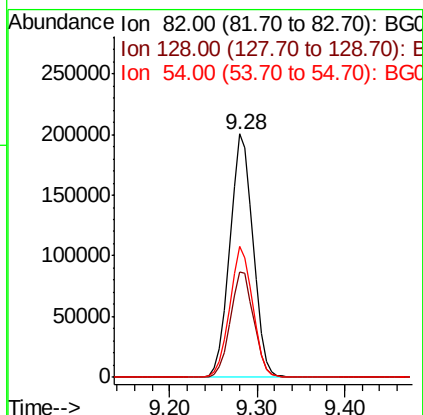
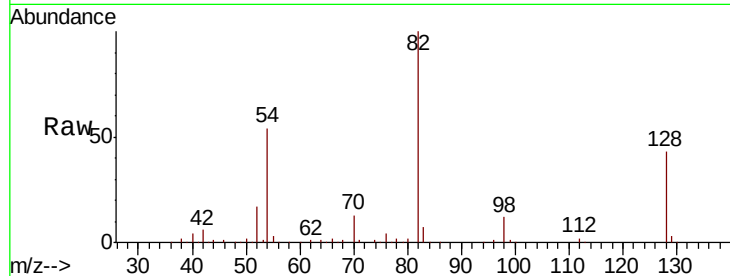




#23
 Nitrobenzene-d5
 Concen: 75.155 ng
 RT: 9.28 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: BG037447.D
 Acq: 19 Oct 2018 10:45

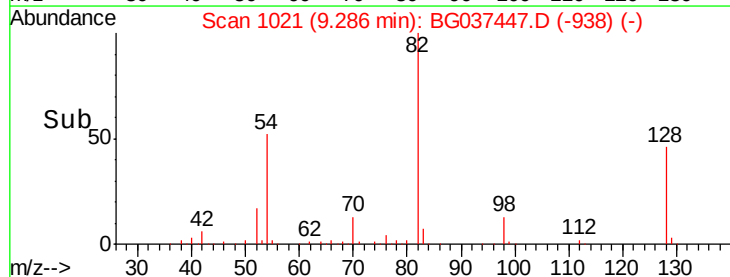
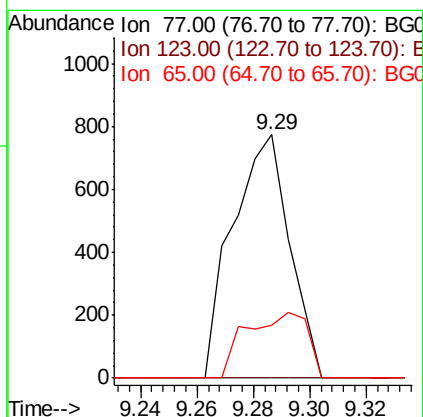
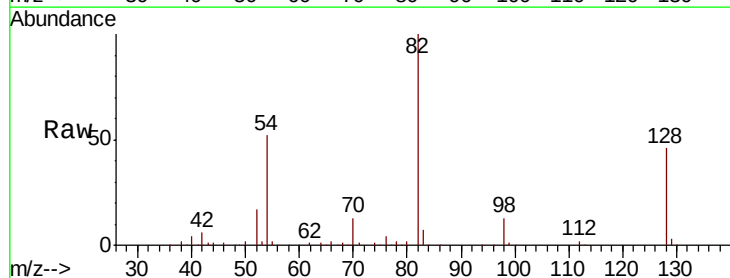
Instrument :
 BNA_G
 ClientSampleId :
 PB113692BL

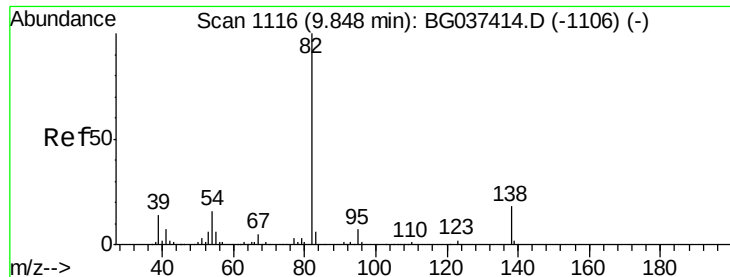
Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.3	34.6	51.8
54	53.9	45.3	67.9



#24
 Nitrobenzene
 Concen: 0.217 ng
 RT: 9.29 min Scan# 1021
 Delta R.T. -0.04 min
 Lab File: BG037447.D
 Acq: 19 Oct 2018 10:45

Tgt Ion	Ratio	Lower	Upper
77	100		
123	0.0	33.6	50.4#
65	21.6	11.3	16.9#





#25

Isophorone

Concen: 0.042 ng

RT: 9.52 min Scan# 1061

Delta R.T. -0.33 min

Lab File: BG037447.D

Acq: 19 Oct 2018 10:45

Instrument :

BNA_G

ClientSampleId :

PB113692BL

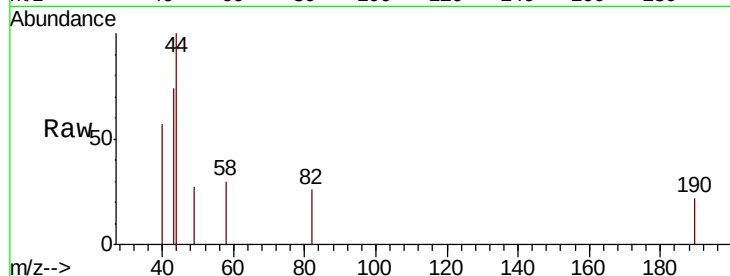
Tgt Ion: 82 Resp: 370

Ion Ratio Lower Upper

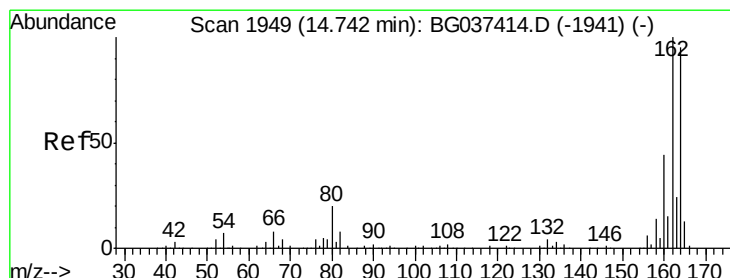
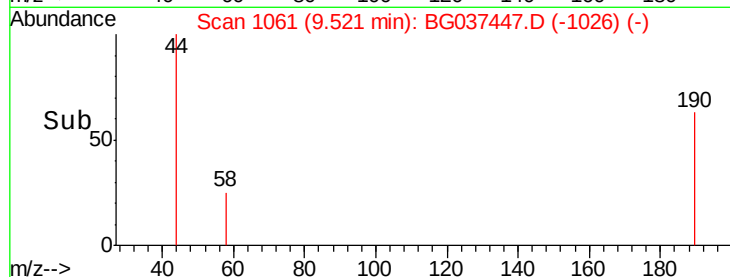
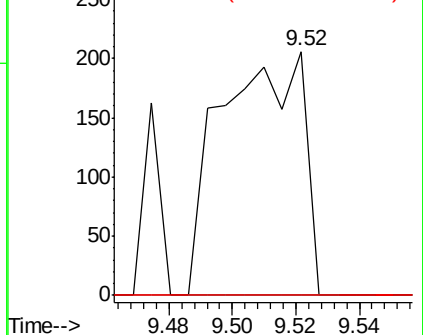
82 100

95 0.0 5.3 7.9#

138 0.0 13.3 19.9#



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: 14.74 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BG037447.D

Acq: 19 Oct 2018 10:45

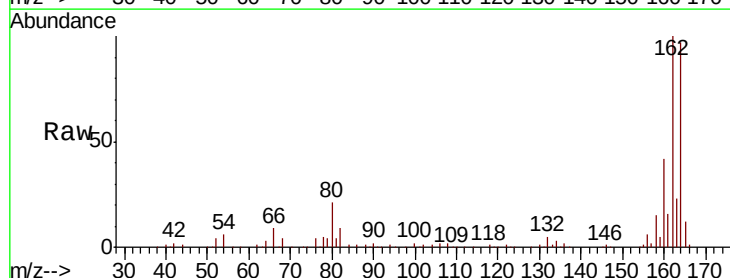
Tgt Ion: 164 Resp: 187410

Ion Ratio Lower Upper

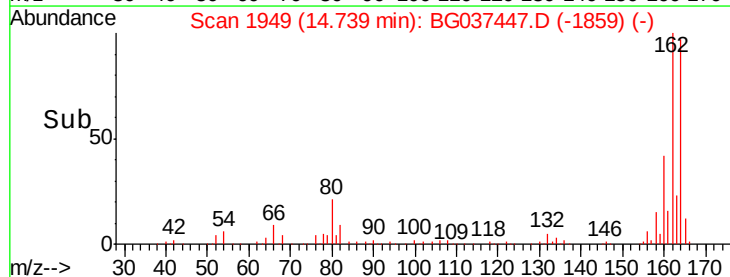
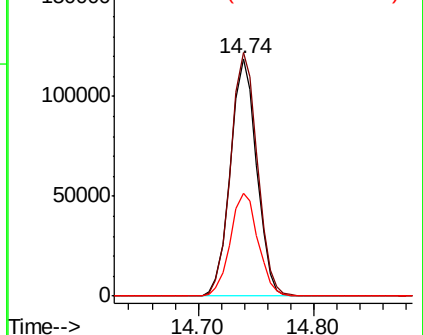
164 100

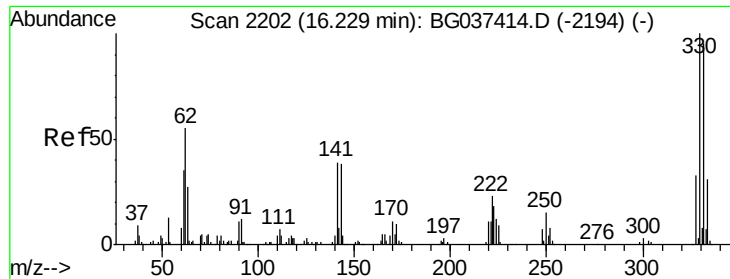
162 102.6 81.3 121.9

160 43.6 36.3 54.5



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

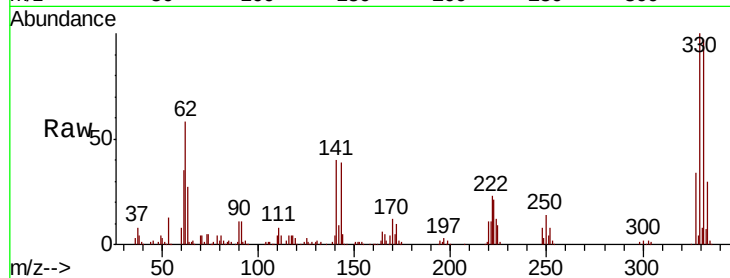




#42
 2,4,6-Tribromophenol
 Concen: 115.127 ng
 RT: 16.23 min Scan# 2202
 Delta R.T. -0.00 min
 Lab File: BG037447.D
 Acq: 19 Oct 2018 10:45

Instrument :
 BNA_G
 ClientSampleId :
 PB113692BL

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	78.4	117.6
141	40.2	32.2	48.2

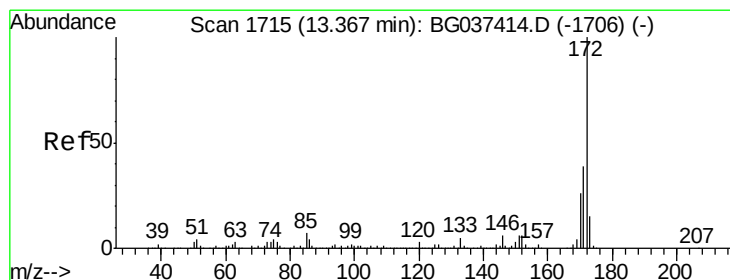
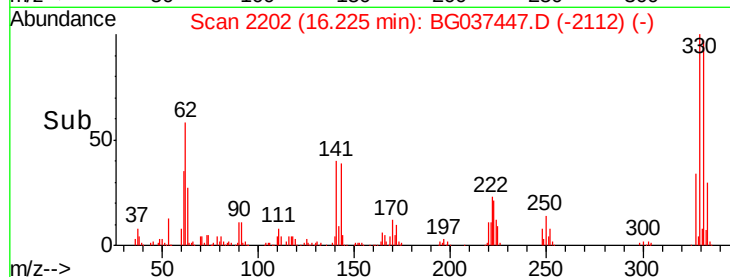
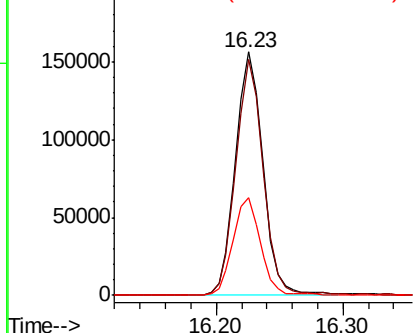


Abundance

Ion 329.80 (329.50 to 330.50): E

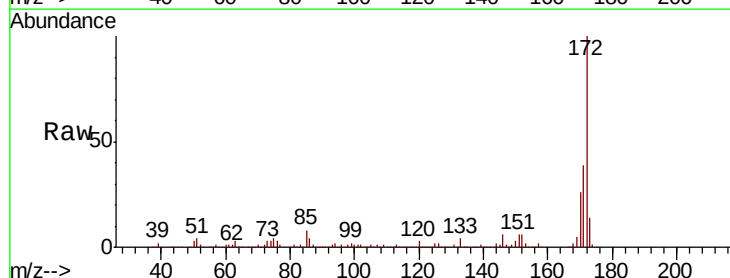
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 72.988 ng
 RT: 13.36 min Scan# 1715
 Delta R.T. -0.00 min
 Lab File: BG037447.D
 Acq: 19 Oct 2018 10:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.7	31.0	46.4
170	25.9	20.2	30.2

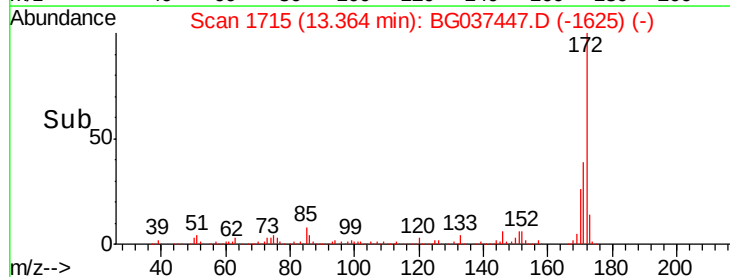
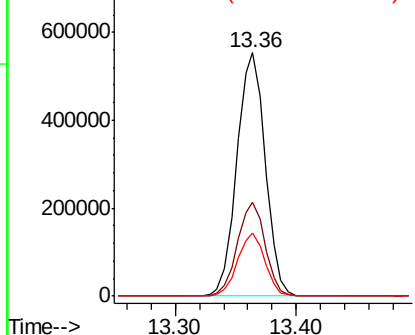


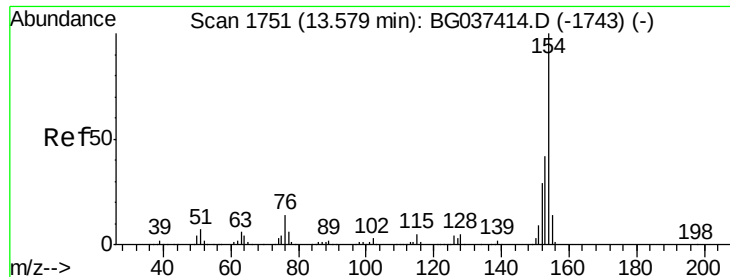
Abundance

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

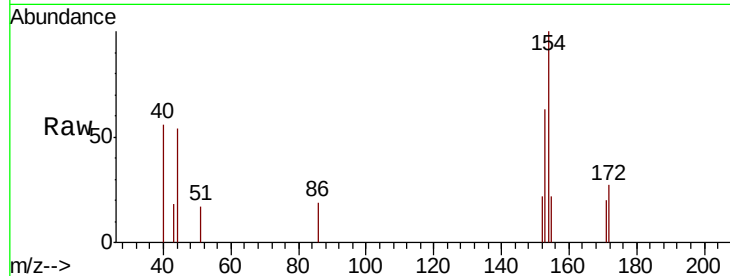




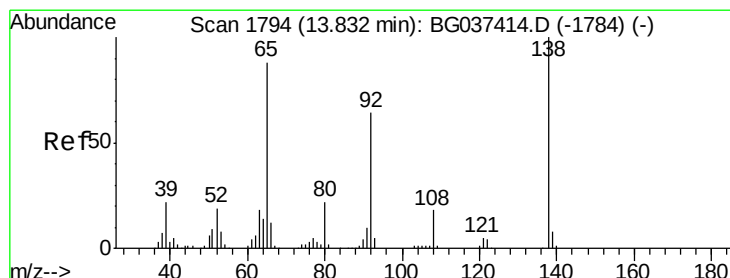
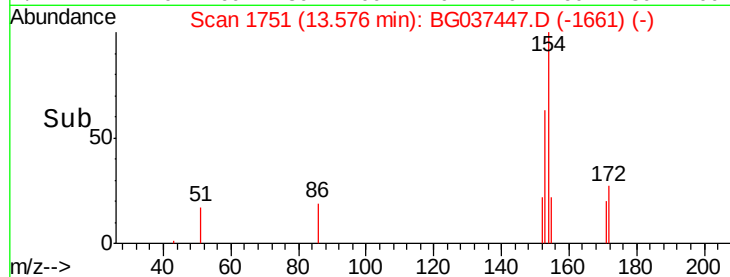
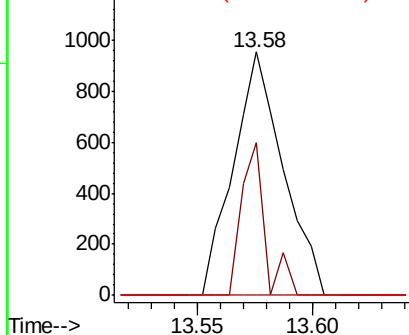
#46
1,1'-Biphenyl
Concen: 0.092 ng
RT: 13.58 min Scan# 1751
Delta R.T. -0.00 min
Lab File: BG037447.D
Acq: 19 Oct 2018 10:45

Instrument :
BNA_G
ClientSampleId :
PB113692BL

Tgt Ion: 154 Resp: 1428
Ion Ratio Lower Upper
154 100
153 62.8 22.1 62.1#
76 0.0 0.0 33.2

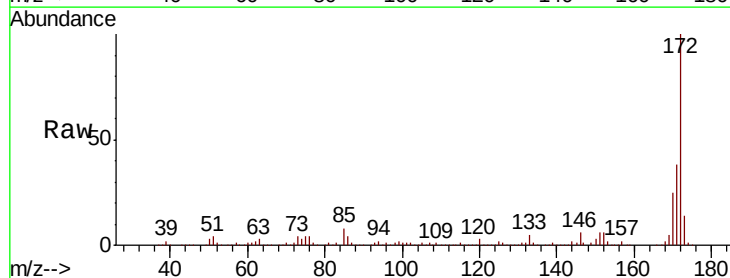


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BGC

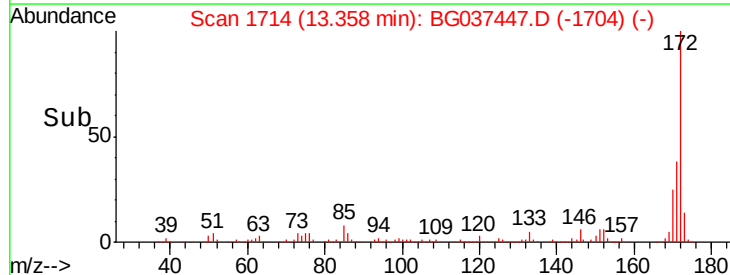
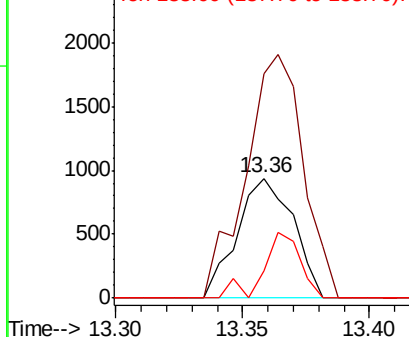


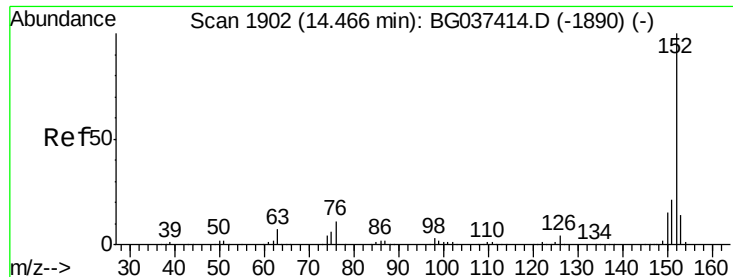
#48
2-Nitroaniline
Concen: 0.404 ng
RT: 13.36 min Scan# 1714
Delta R.T. -0.47 min
Lab File: BG037447.D
Acq: 19 Oct 2018 10:45

Tgt Ion: 65 Resp: 1440
Ion Ratio Lower Upper
65 100
92 187.3 53.2 79.8#
138 23.1 79.3 118.9#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 0.004 ng

RT: 14.46 min Scan# 1901

Delta R.T. -0.01 min

Lab File: BG037447.D

Acq: 19 Oct 2018 10:45

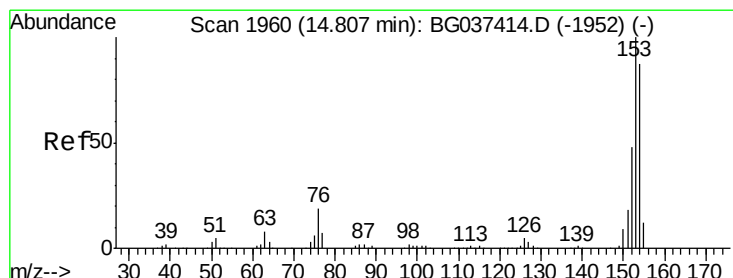
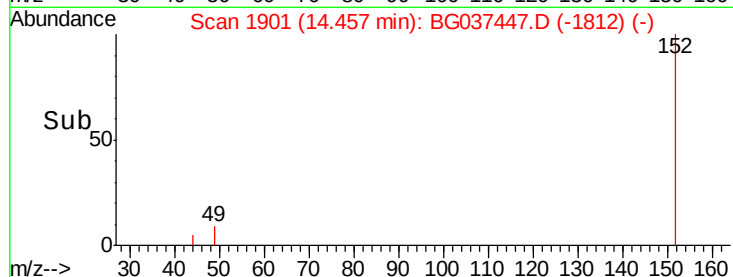
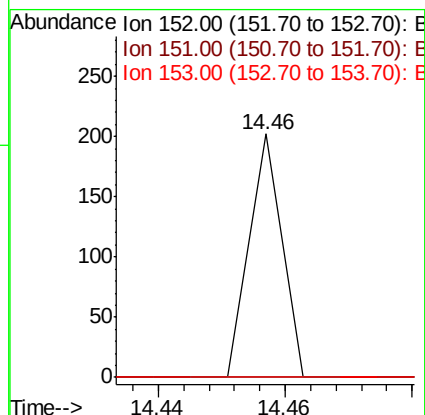
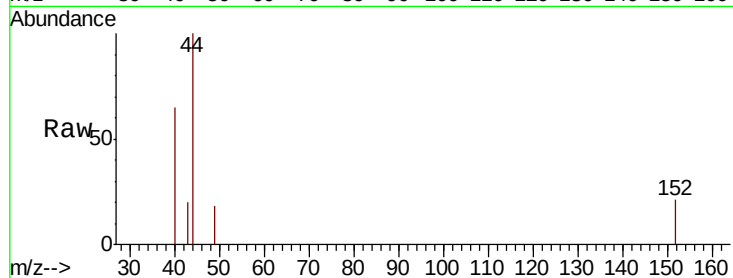
Instrument :

BNA_G

ClientSampleId :

PB113692BL

Tgt Ion:	152	Resp:	71
Ion	Ratio	Lower	Upper
152	100		
151	0.0	17.1	25.7#
153	0.0	11.1	16.7#



#52

Acenaphthene

Concen: 0.057 ng

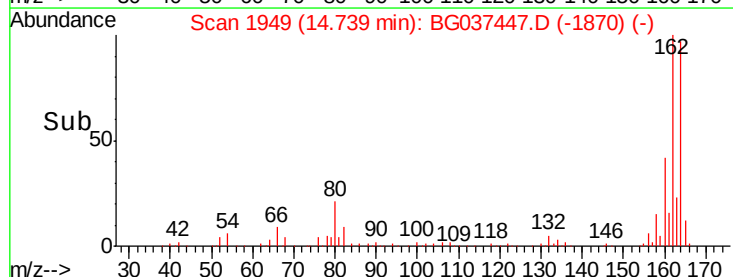
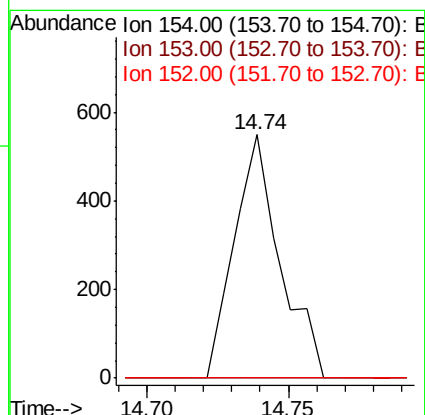
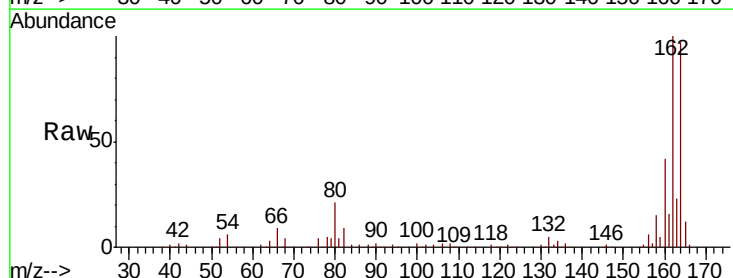
RT: 14.74 min Scan# 1949

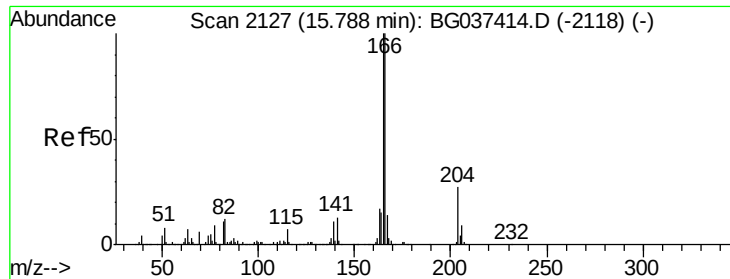
Delta R.T. -0.07 min

Lab File: BG037447.D

Acq: 19 Oct 2018 10:45

Tgt Ion:	154	Resp:	617
Ion	Ratio	Lower	Upper
154	100		
153	0.0	93.4	140.0#
152	0.0	44.7	67.1#





#58

Fluorene

Concen: 0.871 ng

RT: 16.23 min Scan# 2202

Delta R.T. 0.44 min

Lab File: BG037447.D

Acq: 19 Oct 2018 10:45

Instrument :

BNA_G

ClientSampleId :

PB113692BL

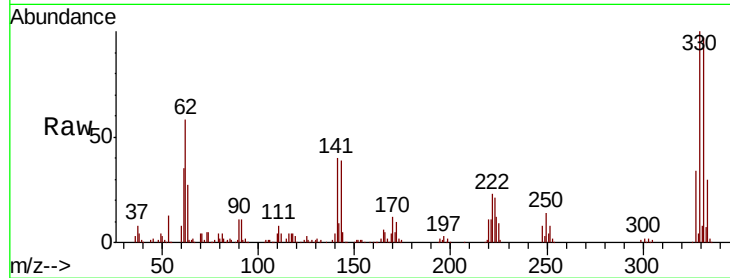
Tgt Ion:166 Resp: 11758

Ion Ratio Lower Upper

166 100

165 116.6 79.0 118.6

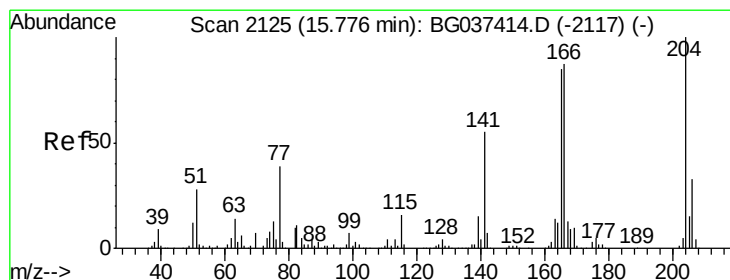
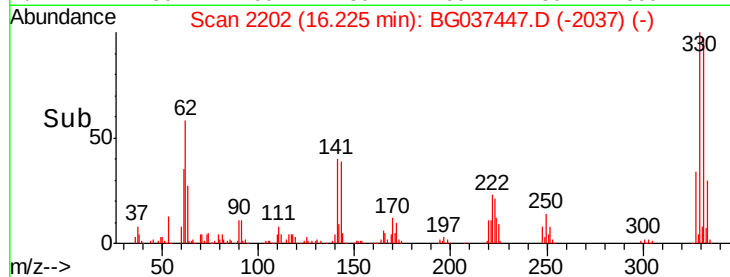
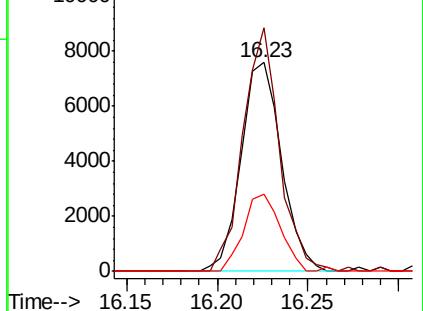
167 37.1 11.3 16.9#



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



#61

4-Chlorophenyl-phenylether

Concen: 0.007 ng

RT: 15.91 min Scan# 2148

Delta R.T. 0.13 min

Lab File: BG037447.D

Acq: 19 Oct 2018 10:45

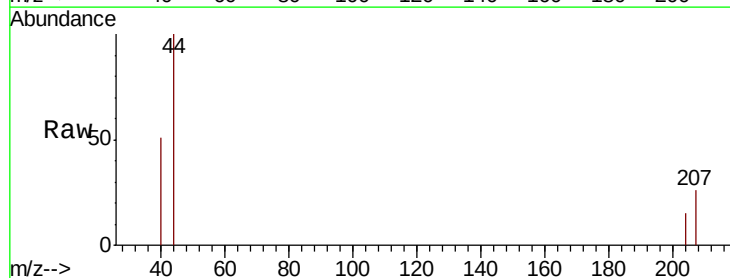
Tgt Ion:204 Resp: 53

Ion Ratio Lower Upper

204 100

206 0.0 26.6 39.8#

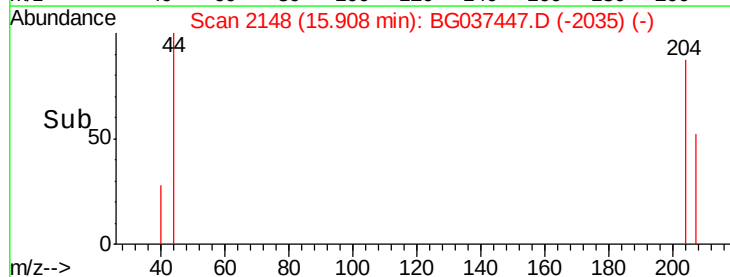
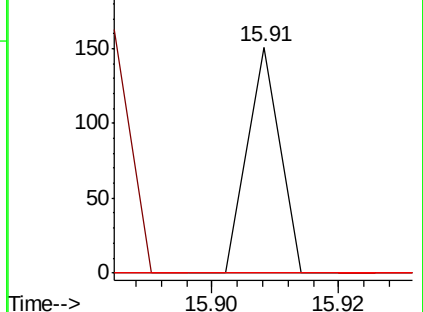
141 0.0 45.4 68.2#

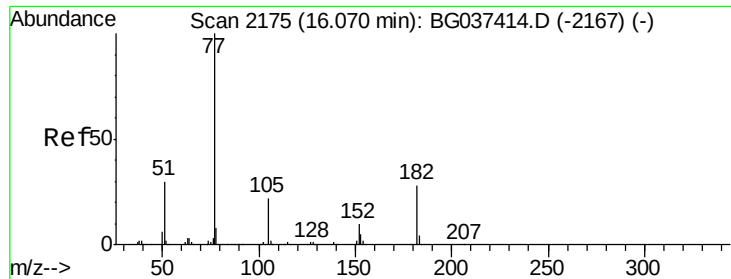


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#63

Azobenzene

Concen: 0.093 ng

RT: 16.22 min Scan# 2201

Delta R.T. 0.15 min

Lab File: BG037447.D

Acq: 19 Oct 2018 10:45

Instrument :

BNA_G

ClientSampleId :

PB113692BL

Tgt Ion: 77 Resp: 1320

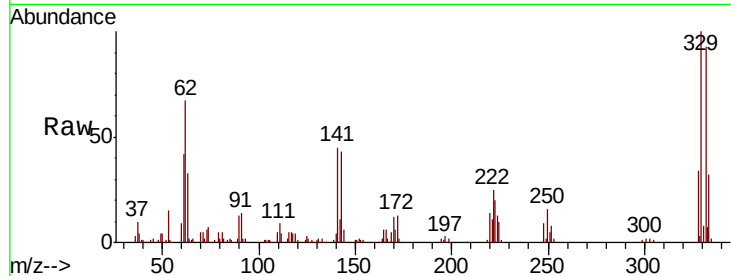
Ion Ratio Lower Upper

77 100

182 0.0 8.0 48.0#

105 82.0 1.3 41.3#

51 59.4 10.7 50.7#

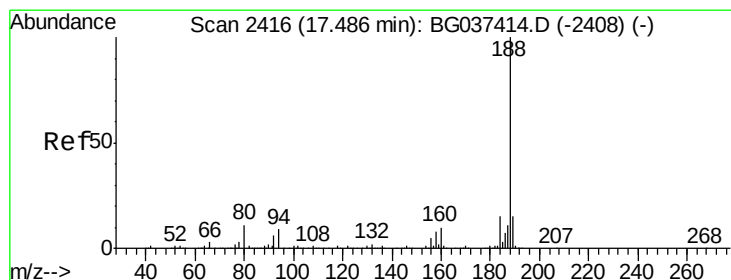
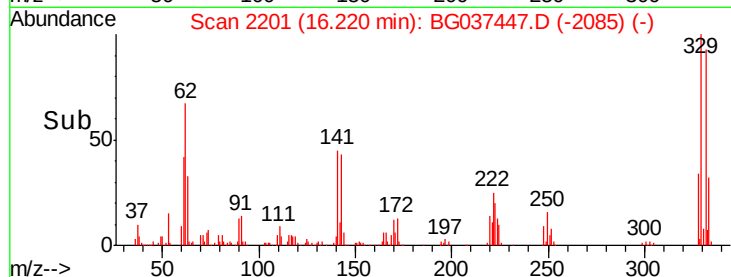
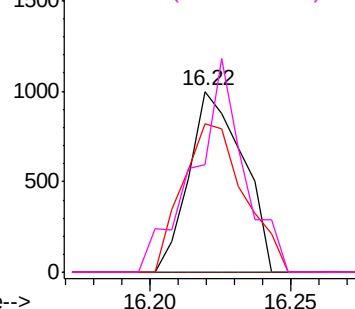


Abundance Ion 77.00 (76.70 to 77.70): BGC

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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BG037447.D

Acq: 19 Oct 2018 10:45

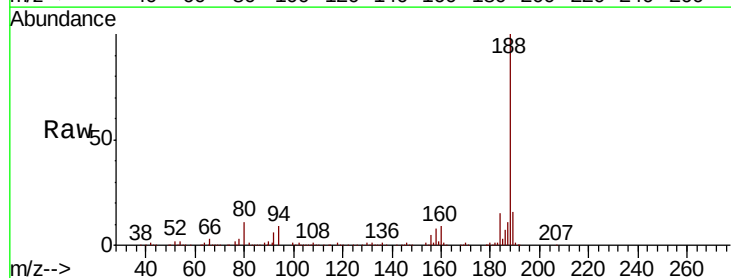
Tgt Ion: 188 Resp: 484063

Ion Ratio Lower Upper

188 100

94 9.5 7.2 10.8

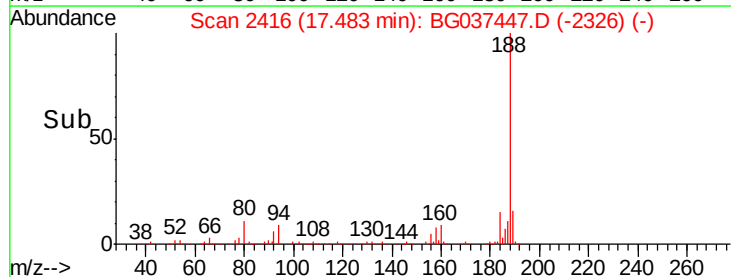
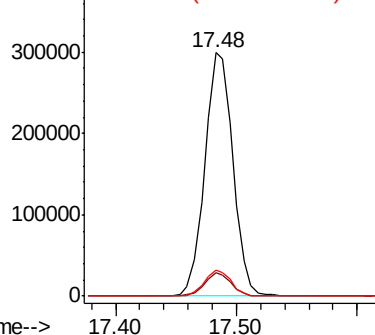
80 10.9 7.7 11.5

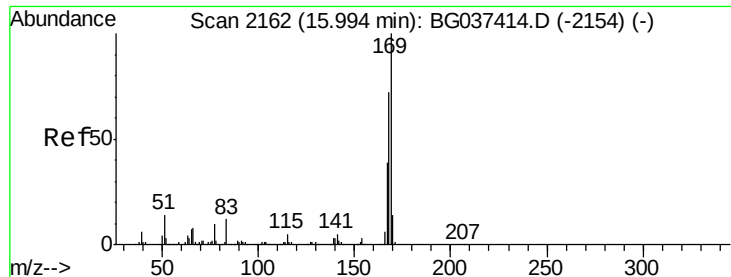


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

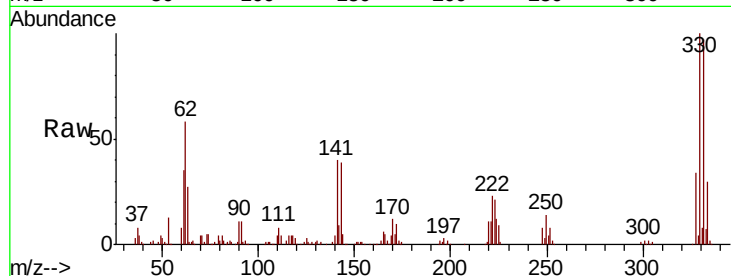




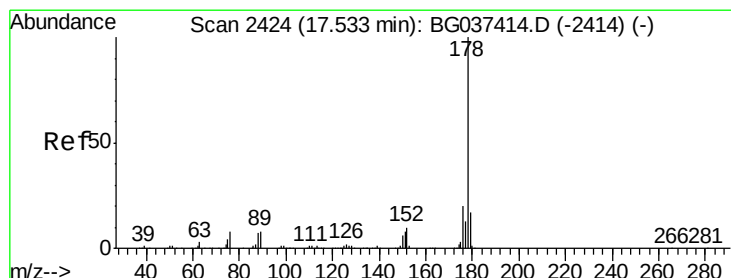
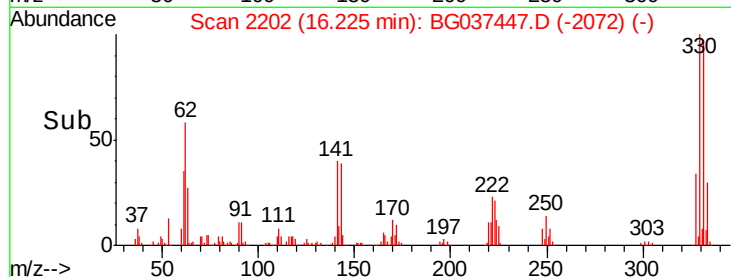
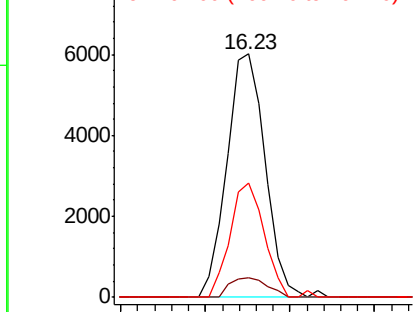
#66
 n-Nitrosodiphenylamine
 Concen: 0.652 ng
 RT: 16.23 min Scan# 2202
 Delta R.T. 0.23 min
 Lab File: BG037447.D
 Acq: 19 Oct 2018 10:45

Instrument :
 BNA_G
 ClientSampleId :
 PB113692BL

Tgt Ion:169 Resp: 9492
 Ion Ratio Lower Upper
 169 100
 168 8.1 55.7 83.5#
 167 46.8 31.3 46.9

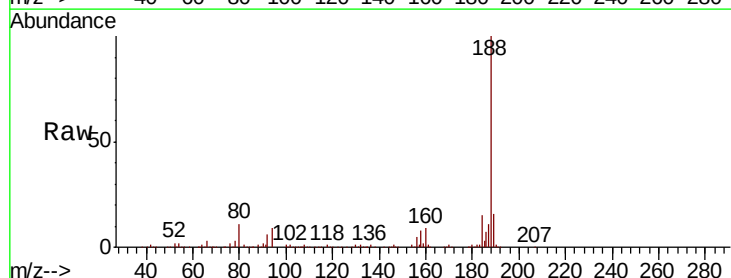


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

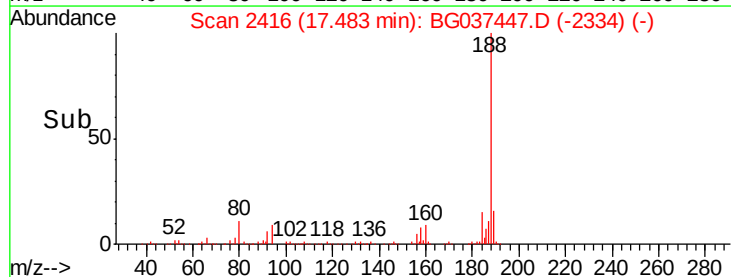
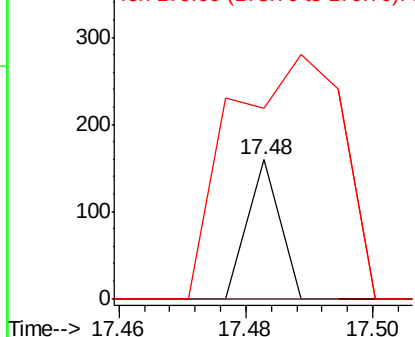


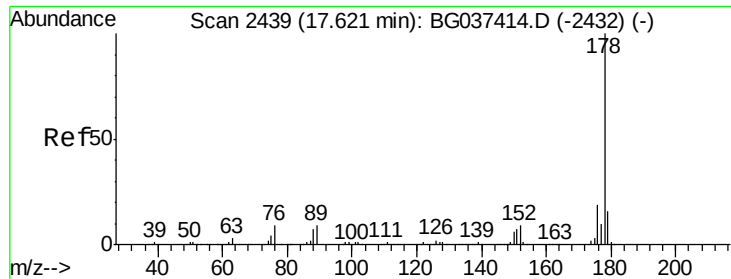
#71
 Phenanthrene
 Concen: 0.002 ng
 RT: 17.48 min Scan# 2416
 Delta R.T. -0.05 min
 Lab File: BG037447.D
 Acq: 19 Oct 2018 10:45

Tgt Ion:178 Resp: 56
 Ion Ratio Lower Upper
 178 100
 176 0.0 16.1 24.1#
 179 137.7 13.0 19.4#



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: 0.002 ng

RT: 17.48 min Scan# 2416

Delta R.T. -0.14 min

Lab File: BG037447.D

Acq: 19 Oct 2018 10:45

Instrument :

BNA_G

ClientSampleId :

PB113692BL

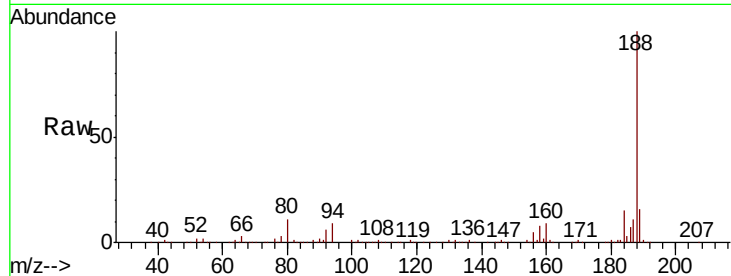
Tgt Ion:178 Resp: 56

Ion Ratio Lower Upper

178 100

176 0.0 15.0 22.4#

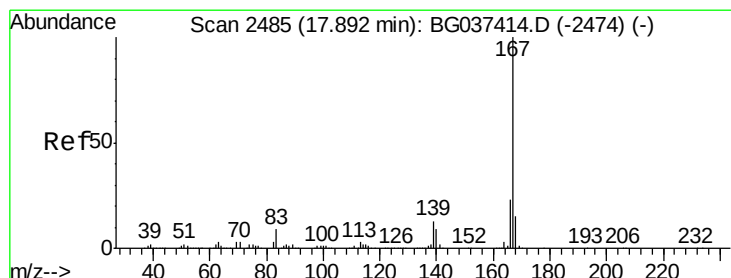
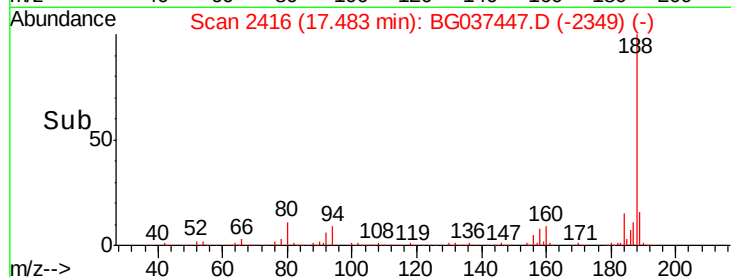
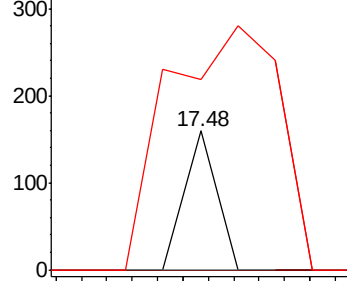
179 137.7 12.8 19.2#



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: 0.002 ng

RT: 17.49 min Scan# 2417

Delta R.T. -0.40 min

Lab File: BG037447.D

Acq: 19 Oct 2018 10:45

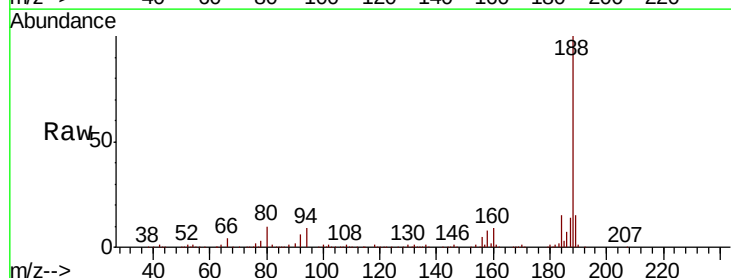
Tgt Ion:167 Resp: 54

Ion Ratio Lower Upper

167 100

166 0.0 18.3 27.5#

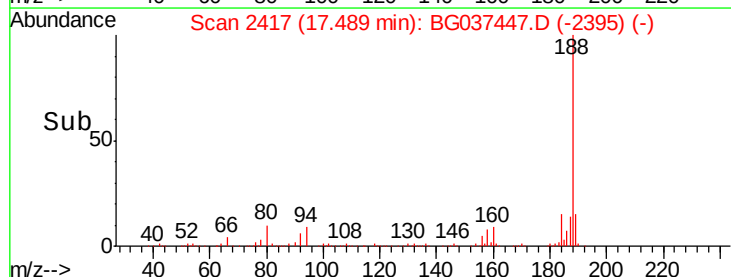
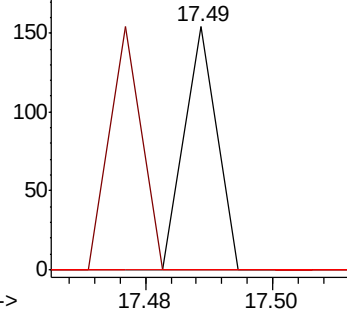
139 0.0 10.5 15.7#

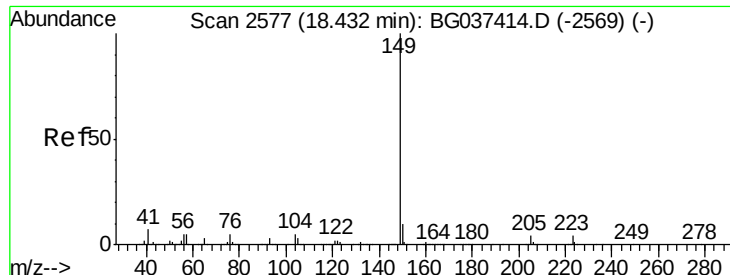


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Di-n-butylphthalate

Concen: 0.002 ng

RT: 18.88 min Scan# 2653

Delta R.T. 0.44 min

Lab File: BG037447.D

Acq: 19 Oct 2018 10:45

Instrument :

BNA_G

ClientSampleId :

PB113692BL

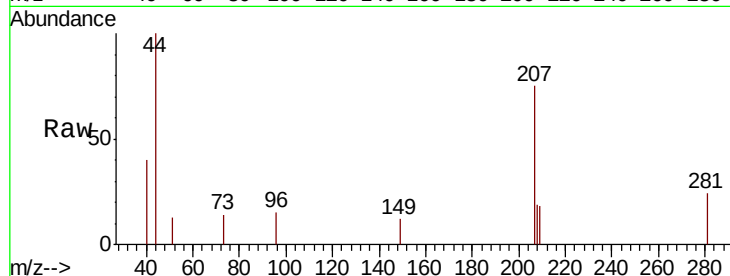
Tgt Ion:149 Resp: 53

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

104 0.0 4.0 6.0#

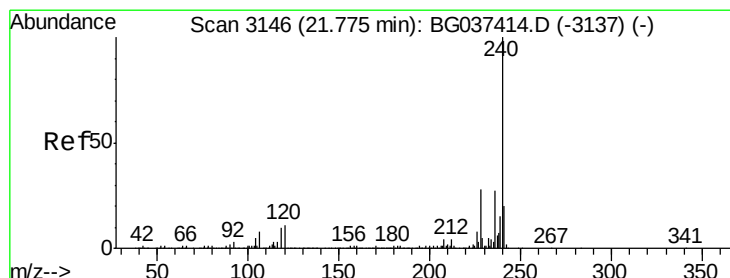
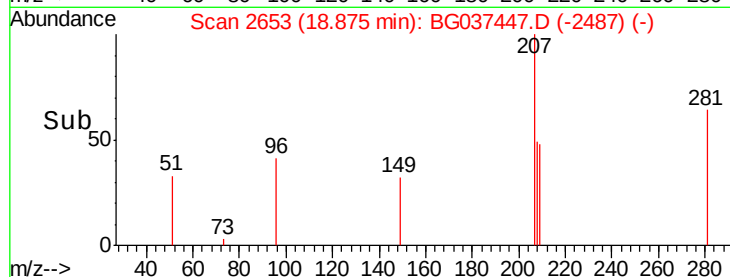
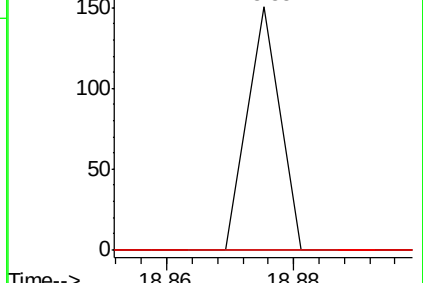


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

18.88



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.77 min Scan# 3145

Delta R.T. -0.01 min

Lab File: BG037447.D

Acq: 19 Oct 2018 10:45

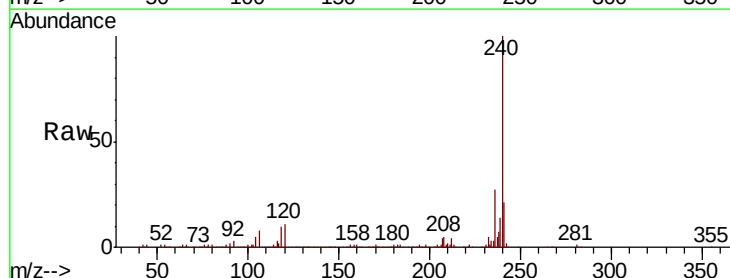
Tgt Ion:240 Resp: 447078

Ion Ratio Lower Upper

240 100

120 11.1 8.1 12.1

236 26.5 21.4 32.0

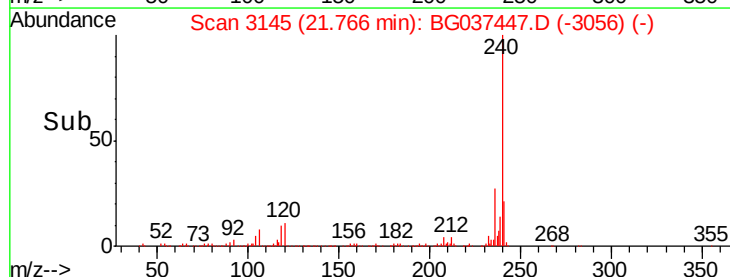
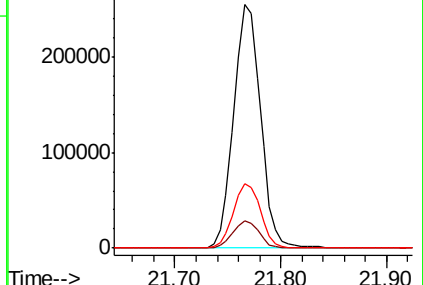


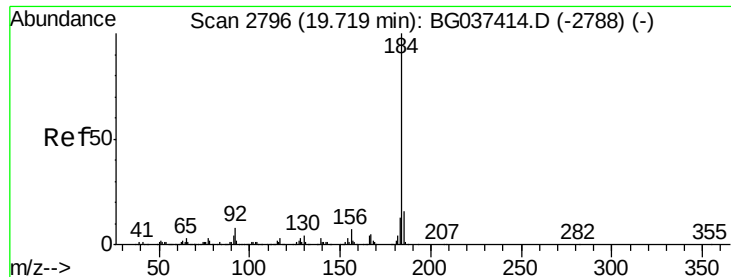
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

21.77





#77

Benzidine

Concen: 1.599 ng

RT: 20.09 min Scan# 2859

Delta R.T. 0.37 min

Lab File: BG037447.D

Acq: 19 Oct 2018 10:45

Instrument :

BNA_G

ClientSampleId :

PB113692BL

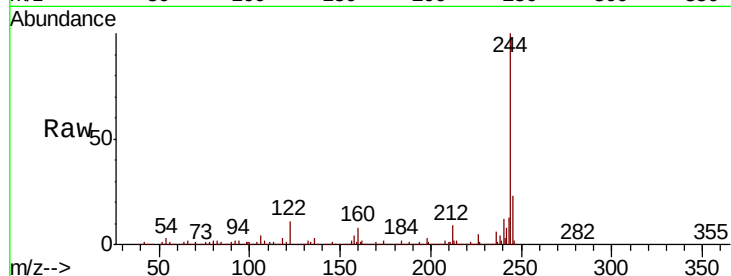
Tgt Ion:184 Resp: 24302

Ion Ratio Lower Upper

184 100

185 15.6 12.6 18.8

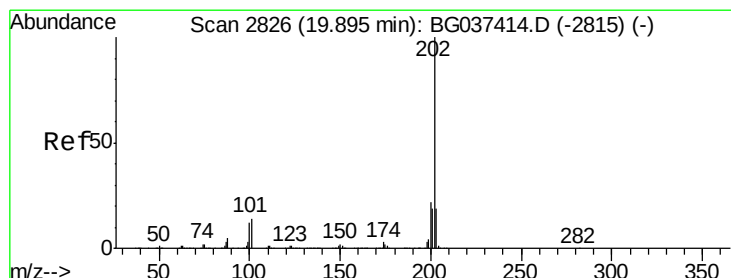
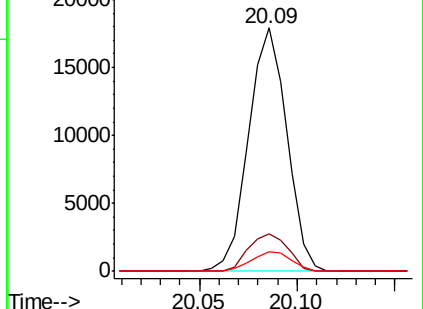
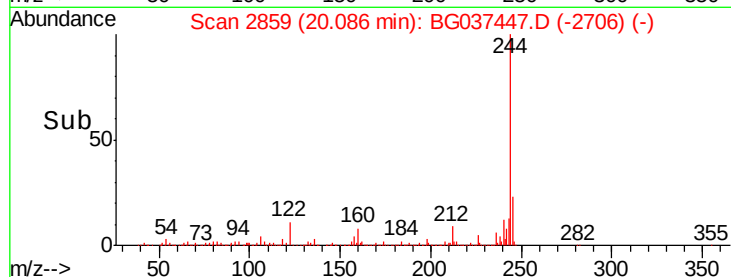
183 7.9 10.2 15.2#



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: 0.186 ng

RT: 20.09 min Scan# 2859

Delta R.T. 0.19 min

Lab File: BG037447.D

Acq: 19 Oct 2018 10:45

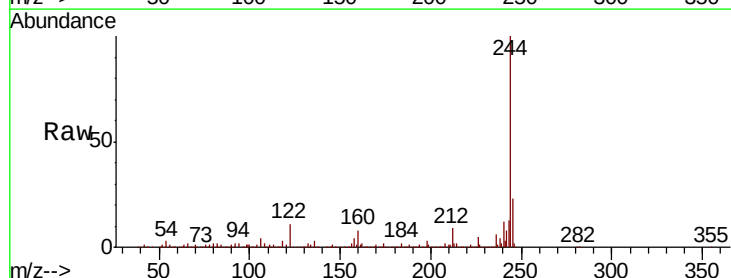
Tgt Ion:202 Resp: 5437

Ion Ratio Lower Upper

202 100

200 46.1 17.8 26.6#

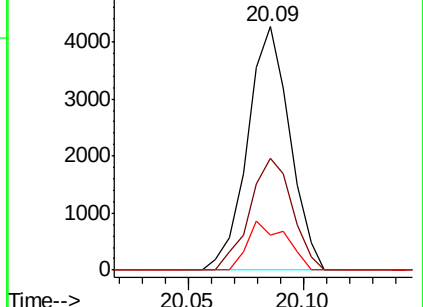
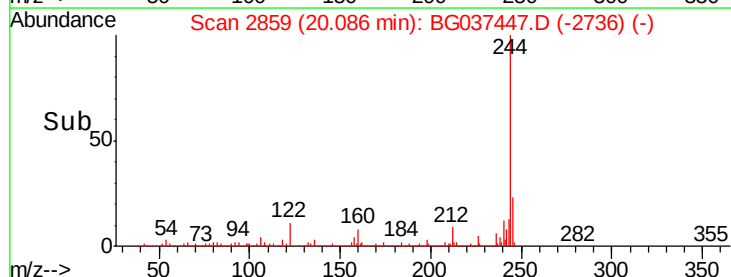
203 14.4 15.2 22.8#

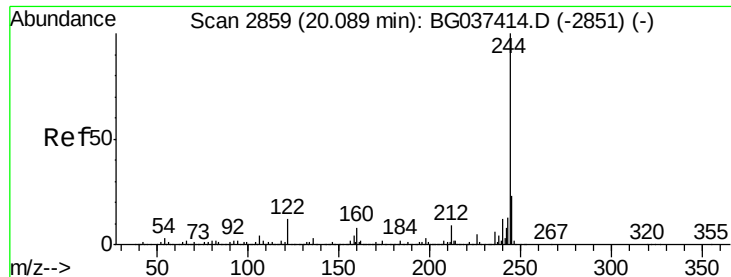


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 71.029 ng

RT: 20.09 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BG037447.D

Acq: 19 Oct 2018 10:45

Instrument :

BNA_G

ClientSampleId :

PB113692BL

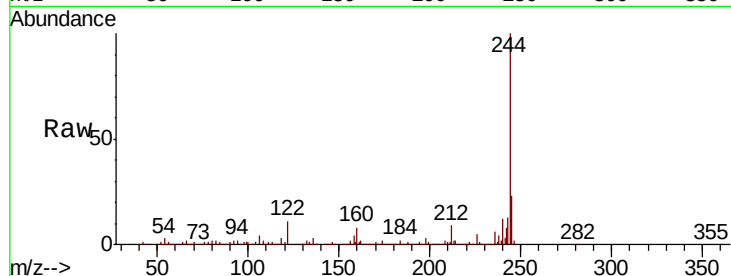
Tgt Ion:244 Resp: 1486157

Ion Ratio Lower Upper

244 100

212 8.7 6.5 9.7

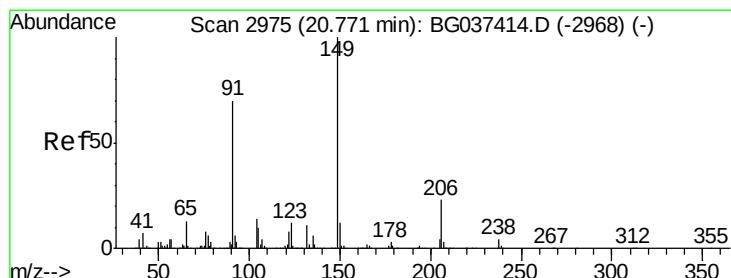
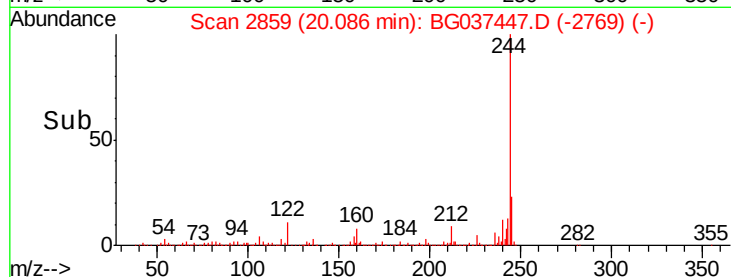
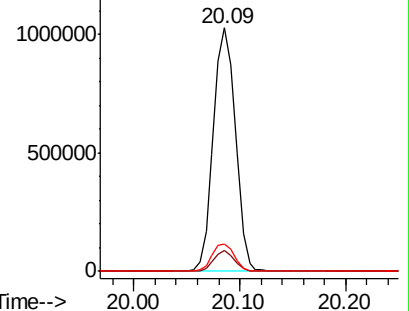
122 11.0 9.0 13.4



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: 0.005 ng

RT: 20.84 min Scan# 2987

Delta R.T. 0.07 min

Lab File: BG037447.D

Acq: 19 Oct 2018 10:45

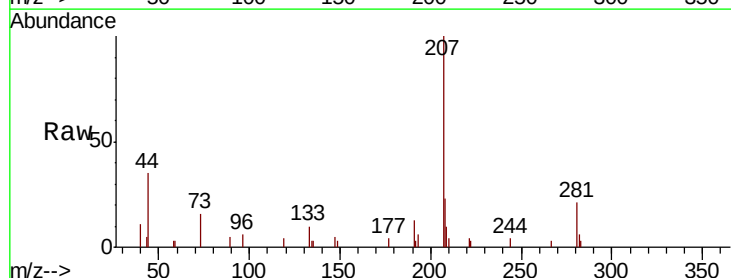
Tgt Ion:149 Resp: 57

Ion Ratio Lower Upper

149 100

91 0.0 57.0 85.4#

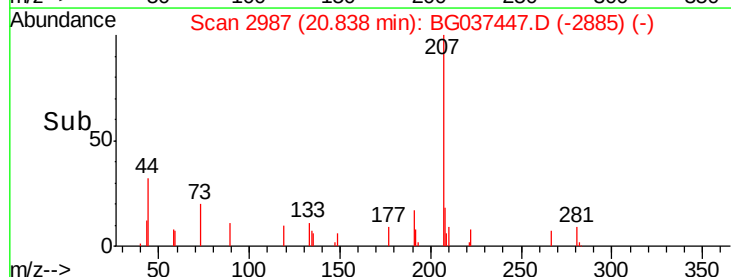
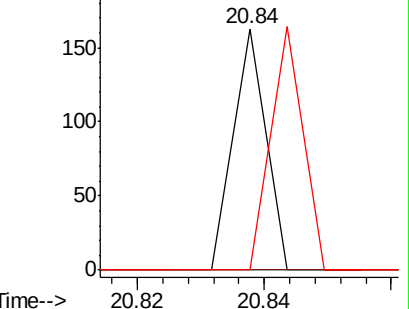
206 0.0 17.8 26.6#

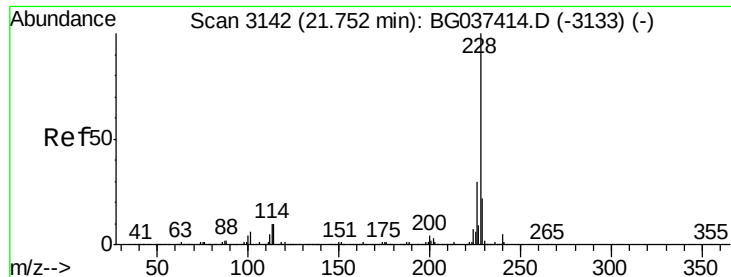


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E

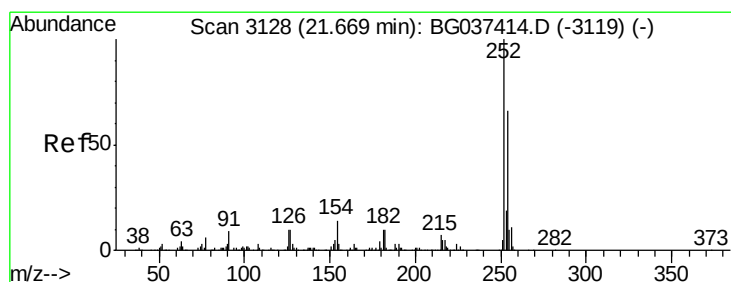
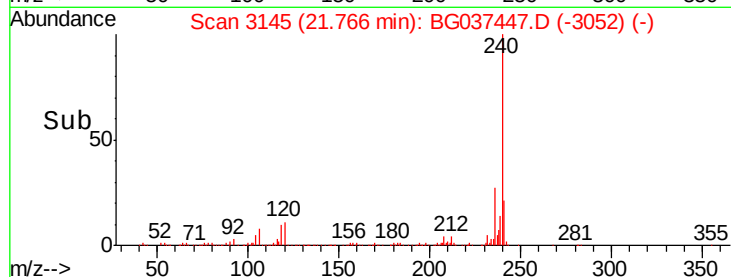
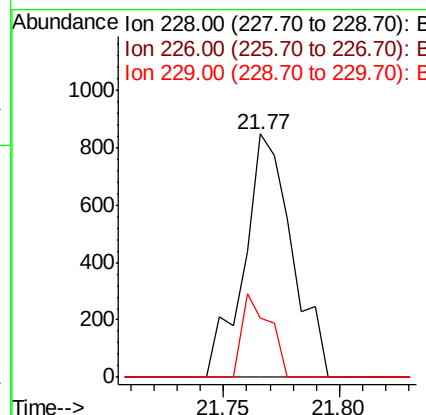
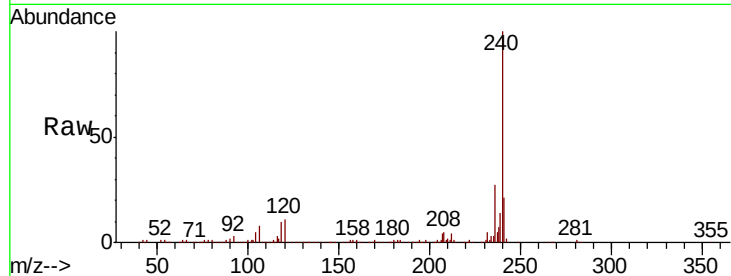




#81
Benzo(a)anthracene
Concen: 0.046 ng
RT: 21.77 min Scan# 3145
Delta R.T. 0.01 min
Lab File: BG037447.D
Acq: 19 Oct 2018 10:45

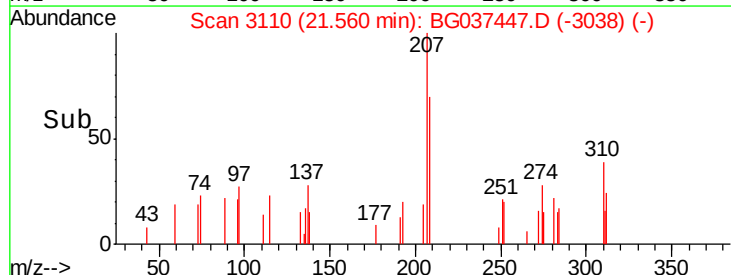
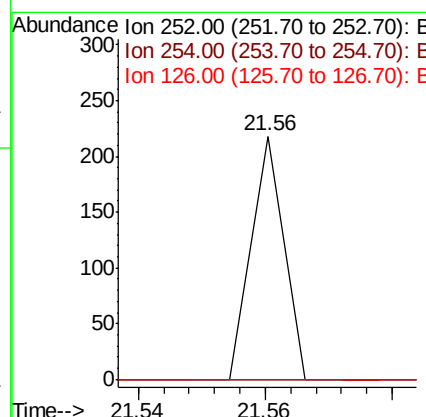
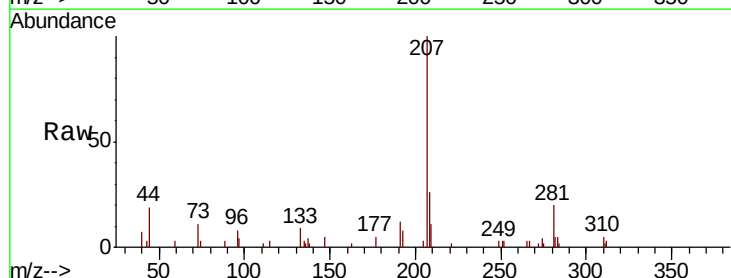
Instrument :
BNA_G
ClientSampleId :
PB113692BL

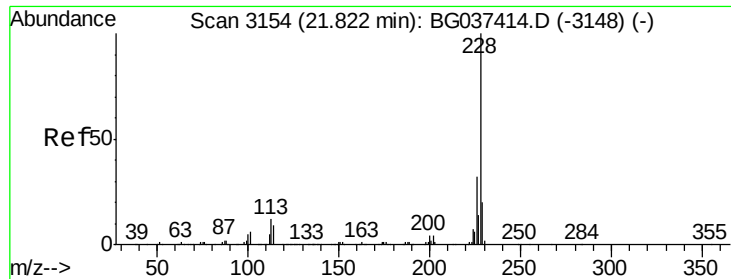
Tgt Ion	Ratio	Lower	Upper
228	100		
226	0.0	22.6	33.8#
229	24.3	16.3	24.5



#82
3,3'-Dichlorobenzidine
Concen: 0.008 ng
RT: 21.56 min Scan# 3110
Delta R.T. -0.11 min
Lab File: BG037447.D
Acq: 19 Oct 2018 10:45

Tgt Ion	Ratio	Lower	Upper
252	100		
254	0.0	52.0	78.0#
126	0.0	8.2	12.4#





#83

Chrysene

Concen: 0.048 ng

RT: 21.77 min Scan# 3145

Delta R.T. -0.06 min

Lab File: BG037447.D

Acq: 19 Oct 2018 10:45

Instrument :

BNA_G

ClientSampleId :

PB113692BL

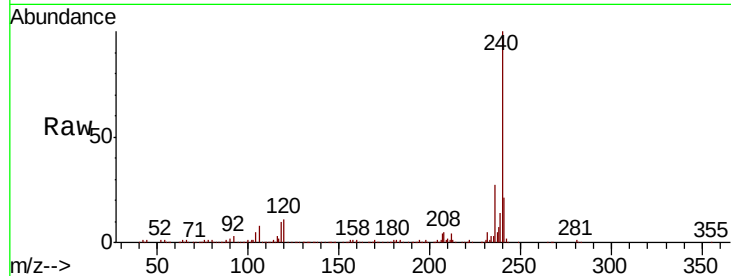
Tgt Ion:228 Resp: 1224

Ion Ratio Lower Upper

228 100

226 0.0 25.7 38.5#

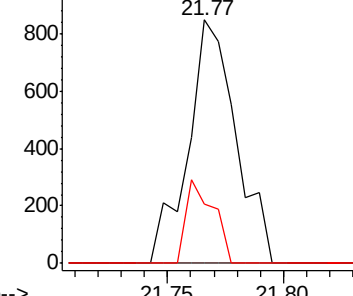
229 24.3 16.5 24.7



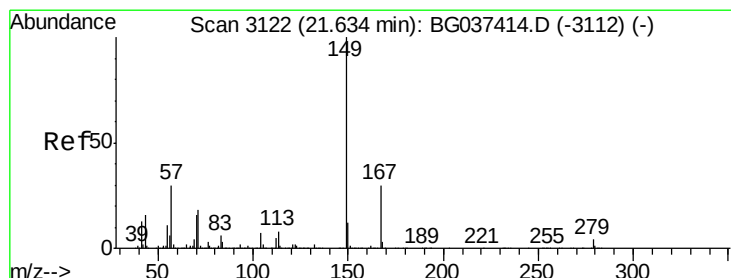
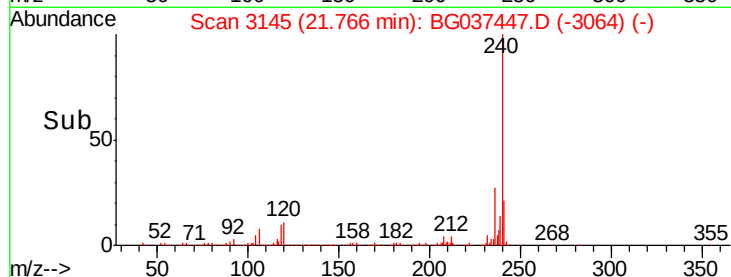
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#84

Bis(2-ethylhexyl)phthalate

Concen: 0.035 ng

RT: 21.63 min Scan# 3122

Delta R.T. -0.00 min

Lab File: BG037447.D

Acq: 19 Oct 2018 10:45

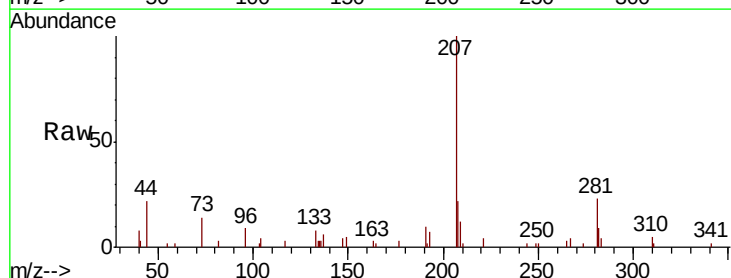
Tgt Ion:149 Resp: 580

Ion Ratio Lower Upper

149 100

167 0.0 23.0 34.4#

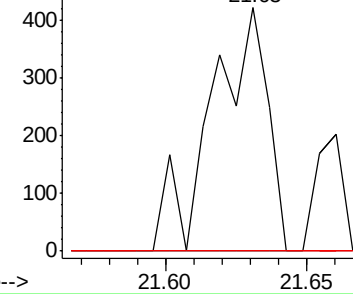
279 0.0 3.6 5.4#



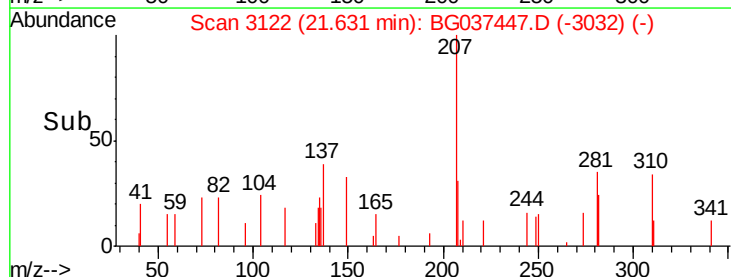
Abundance Ion 149.00 (148.70 to 149.70): E

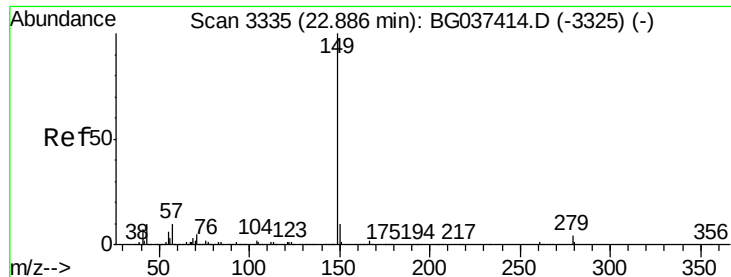
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->





#85

Di-n-octyl phthalate

Concen: 0.009 ng

RT: 22.86 min Scan# 3332

Delta R.T. -0.02 min

Lab File: BG037447.D

Acq: 19 Oct 2018 10:45

Instrument :

BNA_G

ClientSampleId :

PB113692BL

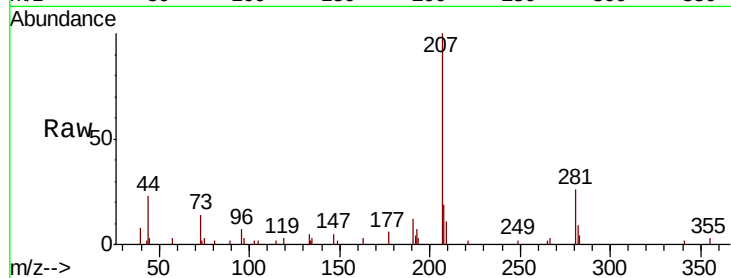
Tgt Ion:149 Resp: 242

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

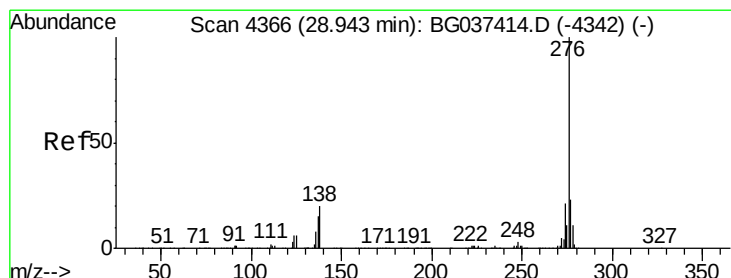
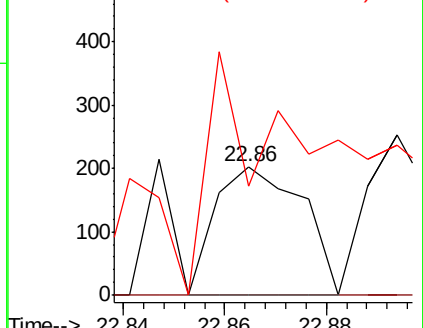
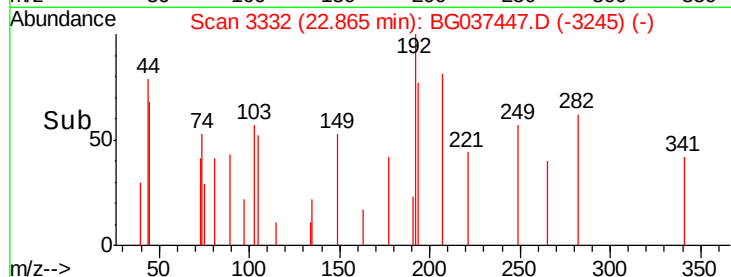
43 66.1 8.7 13.1#



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: 0.003 ng

RT: 28.90 min Scan# 4360

Delta R.T. -0.04 min

Lab File: BG037447.D

Acq: 19 Oct 2018 10:45

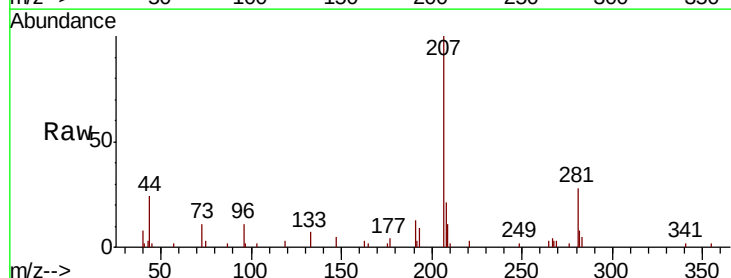
Tgt Ion:276 Resp: 74

Ion Ratio Lower Upper

276 100

138 0.0 12.0 18.0#

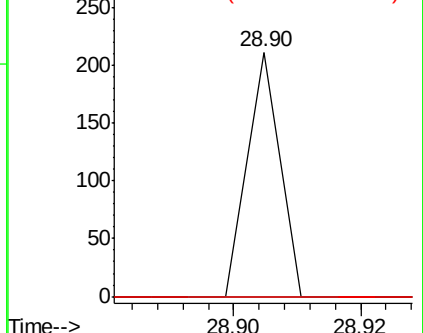
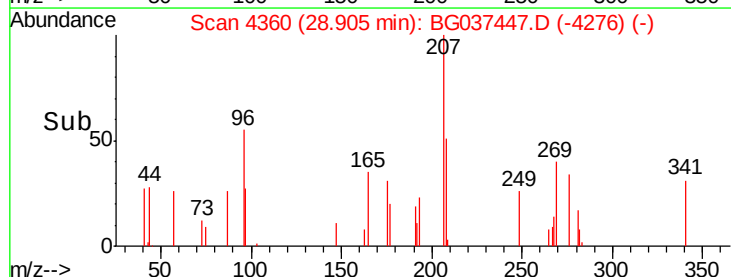
277 0.0 20.6 30.8#

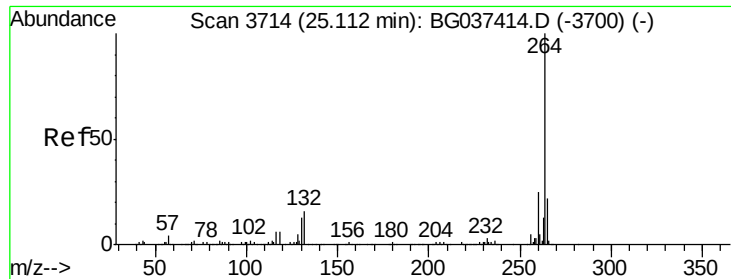


Abundance Ion 276.00 (275.70 to 276.70): E

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: 25.10 min Scan# 3713

Delta R.T. -0.01 min

Lab File: BG037447.D

Acq: 19 Oct 2018 10:45

Instrument :

BNA_G

ClientSampleId :

PB113692BL

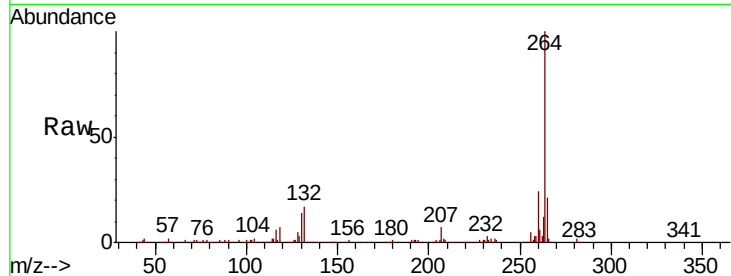
Tgt Ion:264 Resp: 430089

Ion Ratio Lower Upper

264 100

260 23.8 18.2 27.4

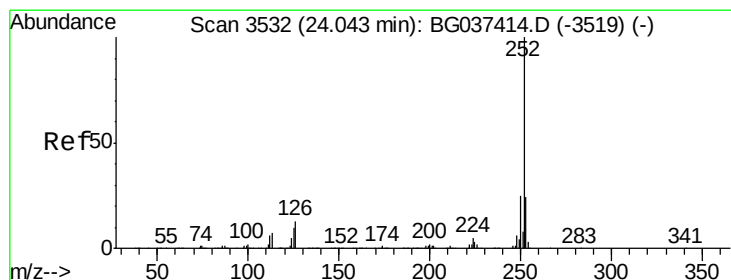
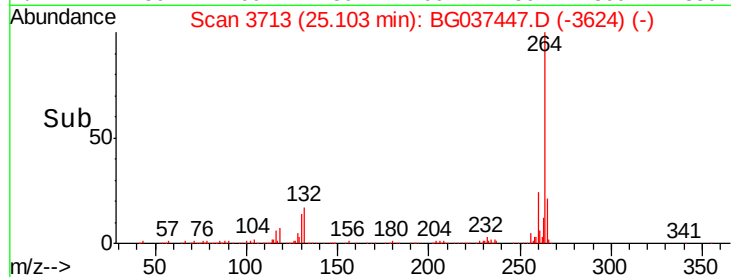
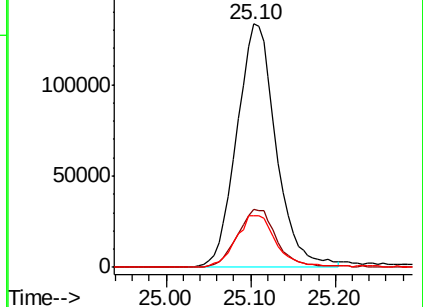
265 21.4 17.9 26.9



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: 0.002 ng

RT: 24.05 min Scan# 3534

Delta R.T. 0.01 min

Lab File: BG037447.D

Acq: 19 Oct 2018 10:45

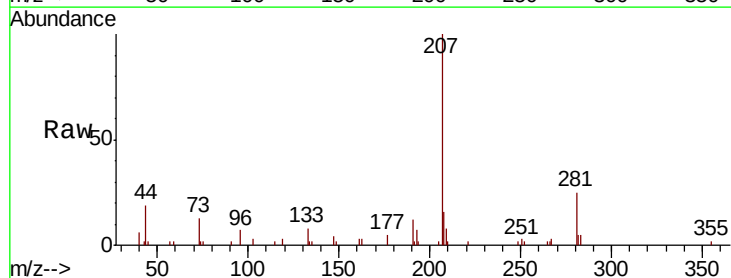
Tgt Ion:252 Resp: 55

Ion Ratio Lower Upper

252 100

253 0.0 18.2 27.2#

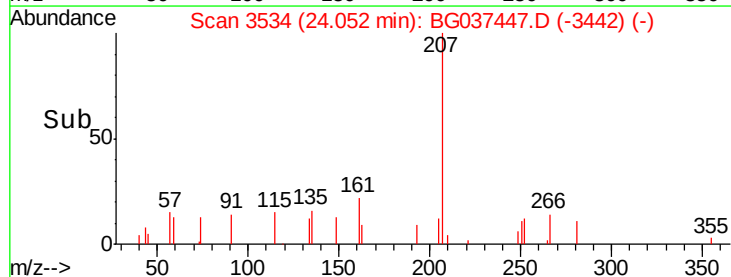
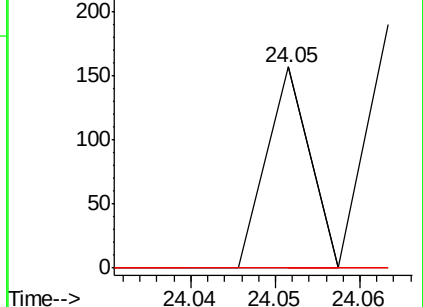
125 0.0 7.8 11.6#

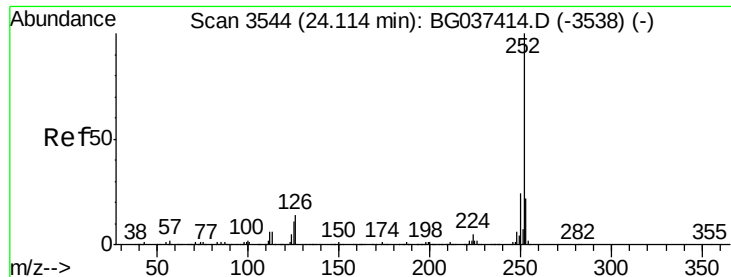


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

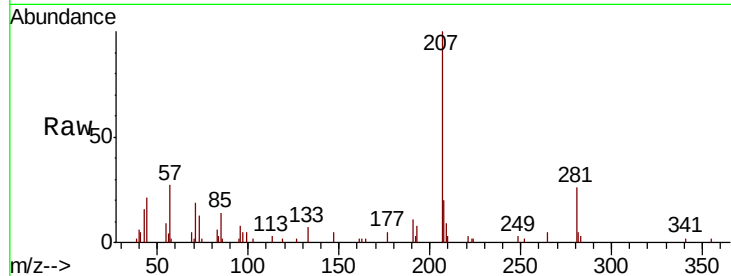




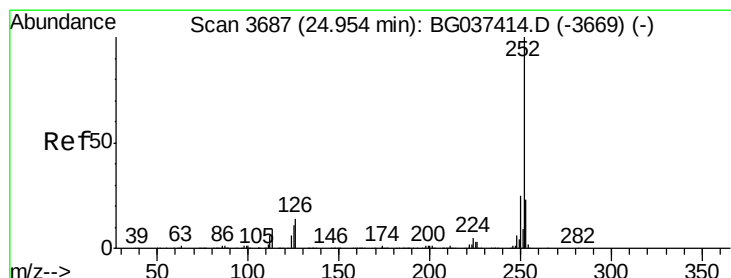
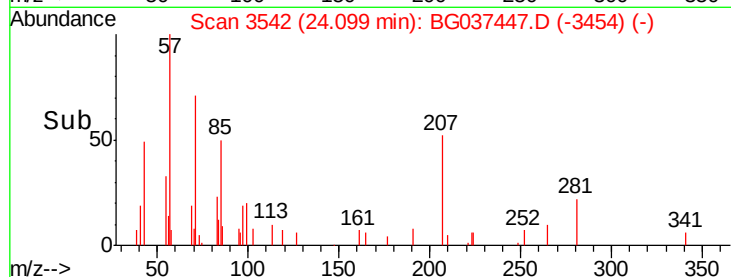
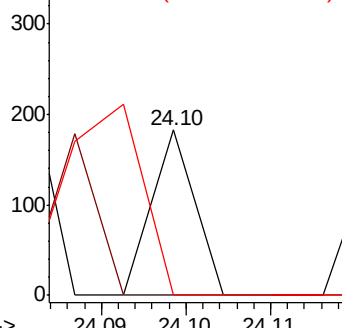
#89
Benzo(k)fluoranthene
Concen: 0.003 ng
RT: 24.10 min Scan# 3542
Delta R.T. -0.02 min
Lab File: BG037447.D
Acq: 19 Oct 2018 10:45

Instrument :
BNA_G
ClientSampleId :
PB113692BL

Tgt Ion: 252 Resp: 65
Ion Ratio Lower Upper
252 100
253 0.0 17.4 26.2#
125 0.0 7.4 11.0#

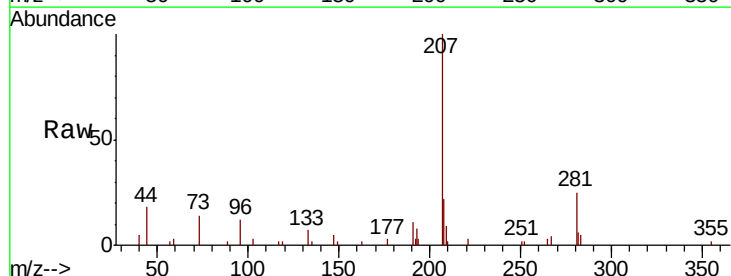


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

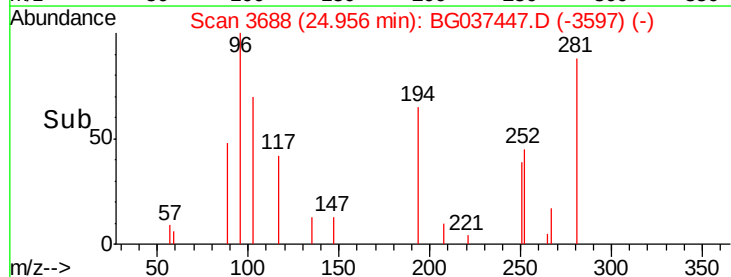
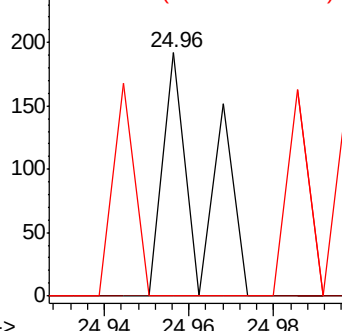


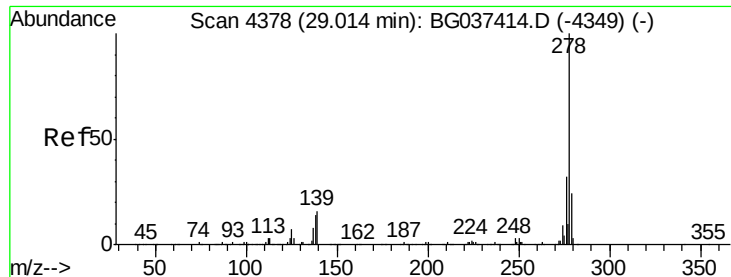
#90
Benzo(a)pyrene
Concen: 0.005 ng
RT: 24.96 min Scan# 3688
Delta R.T. 0.00 min
Lab File: BG037447.D
Acq: 19 Oct 2018 10:45

Tgt Ion: 252 Resp: 121
Ion Ratio Lower Upper
252 100
253 0.0 17.4 26.2#
125 0.0 9.0 13.6#



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





#91

Dibenzo(a,h)anthracene

Concen: 0.003 ng

RT: 28.97 min Scan# 4371

Delta R.T. -0.04 min

Lab File: BG037447.D

Acq: 19 Oct 2018 10:45

Instrument :

BNA_G

ClientSampleId :

PB113692BL

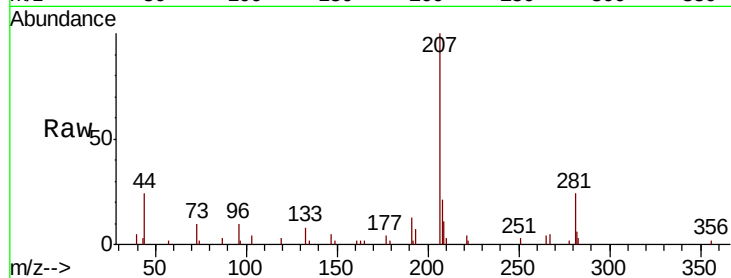
Tgt Ion: 278 Resp: 60

Ion Ratio Lower Upper

278 100

139 0.0 11.5 17.3#

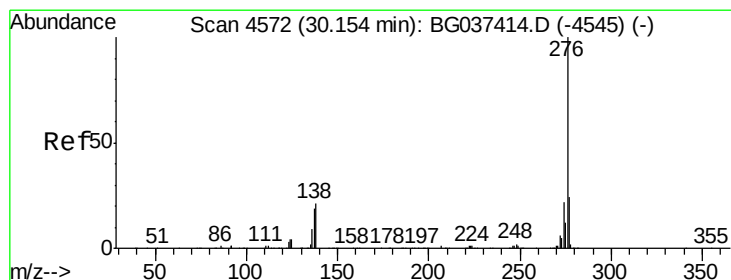
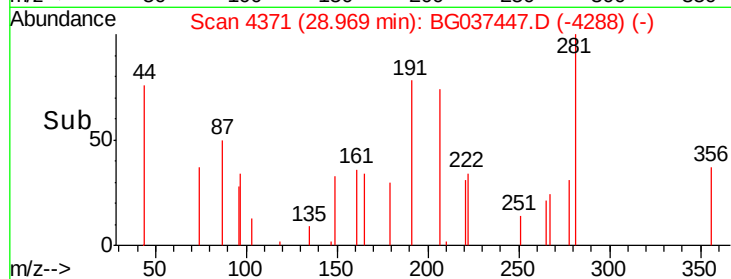
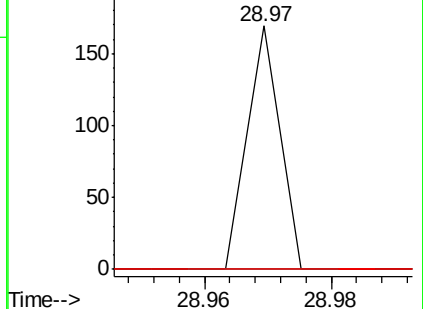
279 0.0 18.6 27.8#



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: 0.003 ng

RT: 30.10 min Scan# 4563

Delta R.T. -0.06 min

Lab File: BG037447.D

Acq: 19 Oct 2018 10:45

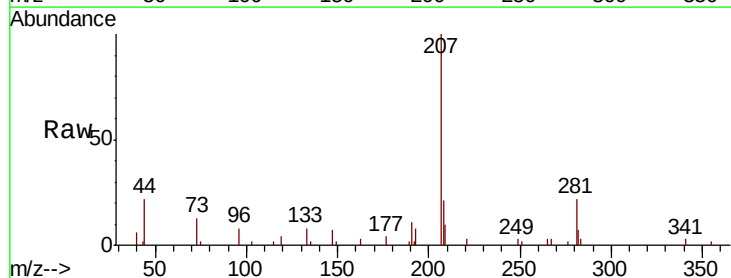
Tgt Ion: 276 Resp: 56

Ion Ratio Lower Upper

276 100

277 0.0 18.9 28.3#

138 0.0 17.2 25.8#



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

