

Data Path : Z:\HPCHEM1\BNA_G\Data\BG110315\
 Data File : BG019449.D
 Acq On : 3 Nov 2015 13:05
 Operator : UM/NP
 Sample : G3996-18DL2 30X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E5LK7DL2

Quant Time: Nov 03 13:41:48 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 03 00:57:47 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	27490	20.00	ng/ul	0.00
18) Naphthalene-d8	11.15	136	20202	20.00	ng/ul	0.13
36) Acenaphthene-d10	14.82	164	68612	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.55	188	258327	20.00	ng/ul	0.00
78) Chrysene-d12	21.84	240	334725	20.00	ng/ul	0.00
86) Perylene-d12	25.19	264	324103	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	319	0.56	ng/uL	-0.03
5) Phenol-d5	7.33	99	2389	0.95	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.50	67	1693	1.06	ng/ul	0.00
9) 2-Chlorophenol-d4	7.71	132	1473	0.94	ng/ul	0.00
13) 4-Methylphenol-d8	8.89	113	1991	0.99	ng/ul	0.00
19) Nitrobenzene-d5	9.38	128	272	1.83	ng/ul	0.02
22) 2-Nitrophenol-d4	10.10	143	97	0.55	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.63	165	1793	4.69	ng/ul	0.00
29) 4-Chloroaniline-d4	11.27	131	34631	89.53	ng/ul	0.13
44) Dimethylphthalate-d6	14.21	166	7727	1.37	ng/ul	0.00
47) Acenaphthylene-d8	14.51	160	8543	1.36	ng/ul	0.00
52) 4-Nitrophenol-d4	15.00	143	1145	1.27	ng/ul	-0.01
58) Fluorene-d10	15.80	176	10236	1.96	ng/ul	-0.01
63) 4,6-Dinitro-2-methylphenol	15.91	200	1783	1.07	ng/ul	0.00
71) Anthracene-d10	17.65	188	11719	1.00	ng/ul	-0.01
79) Pyrene-d10	19.93	212	13267	0.91	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.94	264	14138	0.87	ng/ul	-0.03

Target Compounds

					Qvalue
4) Benzaldehyde	7.31	77	1800	1.10	ng/ul# 1
6) Phenol	7.35	94	77852	28.96	ng/ul 97
11) 2-Methylphenol	8.62	108	112979	56.82	ng/ul 90
14) Acetophenone	9.00	105	28141	8.34	ng/ul 91
16) 4-Methylphenol	8.96	108	239168	110.16	ng/ul 97
23) 2-Nitrophenol	10.24	139	228	1.14	ng/ul# 1
24) 2,4-Dimethylphenol	10.17	107	131107	250.74	ng/ul 93
28) Naphthalene	11.15	128	1071	1.06	ng/ul# 1
30) 4-Chloroaniline	11.41	127	579	1.43	ng/ul 90
32) Caprolactam	12.01	113	223	1.70	ng/ul# 1
33) 4-Chloro-3-methylphenol	12.42	107	863	1.76	ng/ul# 30
35) 1-Methylnaphthalene	12.88	142	45275	58.91	ng/ul 99
41) 1,1'-Biphenyl	13.65	154	24023	4.95	ng/ul# 94
48) Acenaphthylene	14.54	152	8560	1.33	ng/ul# 87
50) Acenaphthene	14.87	153	8521	1.97	ng/ul 89
51) 2,4-Dinitrophenol	14.95	184	1858	2.11	ng/ul# 1
54) Dibenzofuran	15.21	168	39477	6.18	ng/ul 98
59) Fluorene	15.86	166	29298	5.26	ng/ul# 96
70) Phenanthrene	17.59	178	61804	4.74	ng/ul# 94
72) Anthracene	17.68	178	13858	1.04	ng/ul# 84
77) Fluoranthene	19.59	202	19777	1.17	ng/ul# 86
80) Pyrene	19.96	202	21179	1.13	ng/ul# 94

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Response via : Initial Calibration

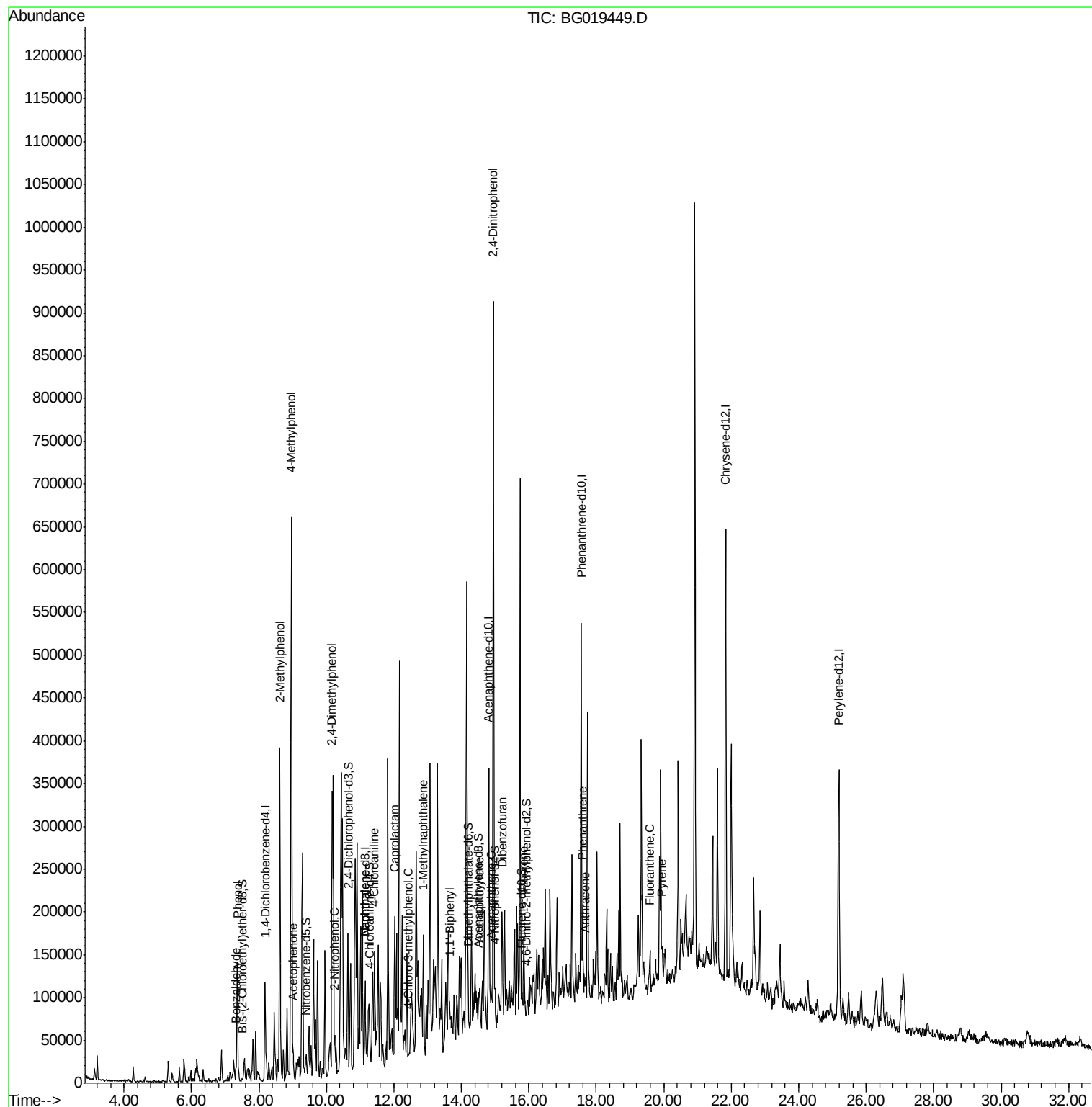
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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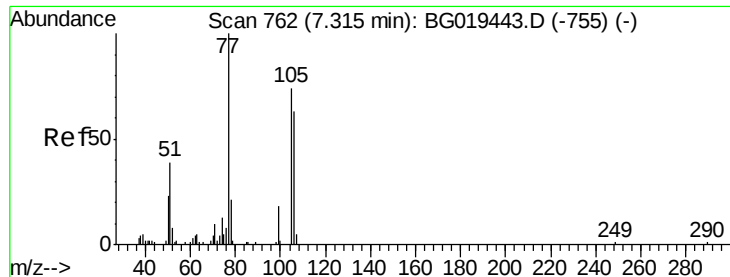
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 1.10 ng/ul

RT: 7.31 min Scan# 761

Delta R.T. -0.00 min

Lab File: BG019449.D

Acq: 3 Nov 2015 13:05

Instrument :

BNA_G

ClientSampleId :

E5LK7DL2

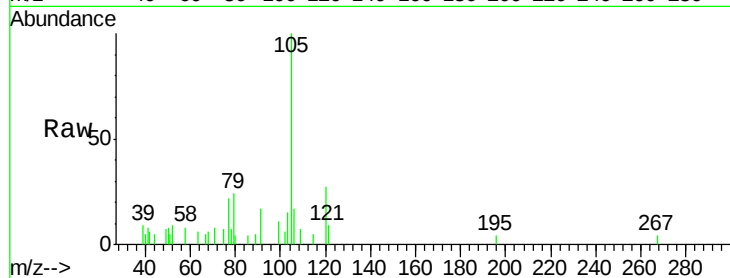
Tgt Ion: 77 Resp: 1800

Ion Ratio Lower Upper

77 100

105 455.4 61.6 92.4#

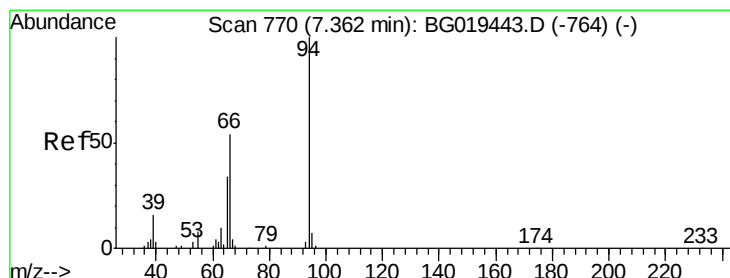
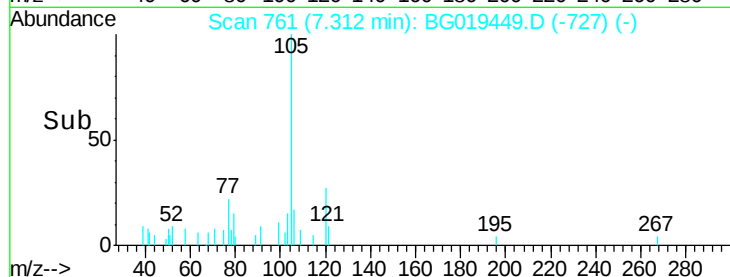
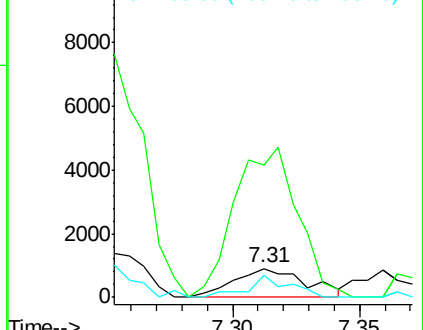
106 77.7 56.4 84.6



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



#6

Phenol

Concen: 28.96 ng/ul

RT: 7.35 min Scan# 768

Delta R.T. -0.01 min

Lab File: BG019449.D

Acq: 3 Nov 2015 13:05

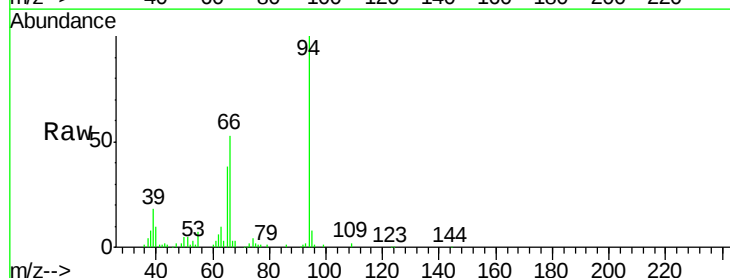
Tgt Ion: 94 Resp: 77852

Ion Ratio Lower Upper

94 100

65 37.6 29.3 43.9

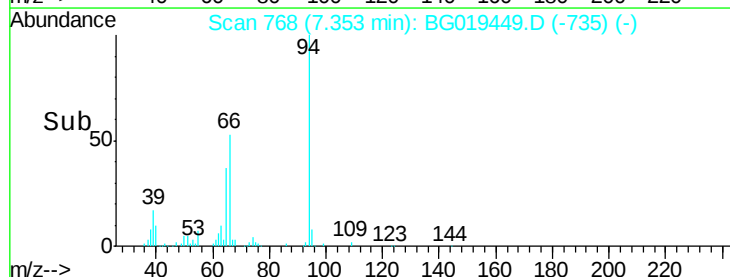
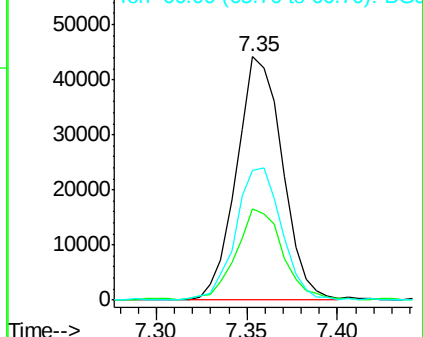
66 53.3 45.0 67.6

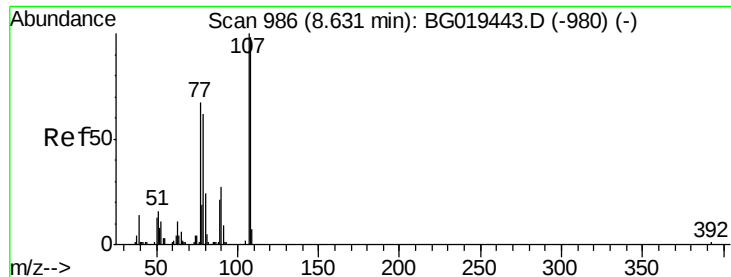


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

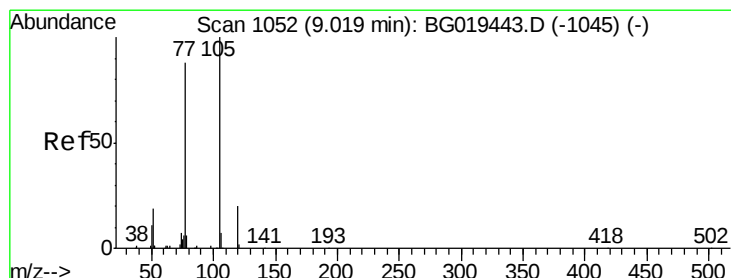
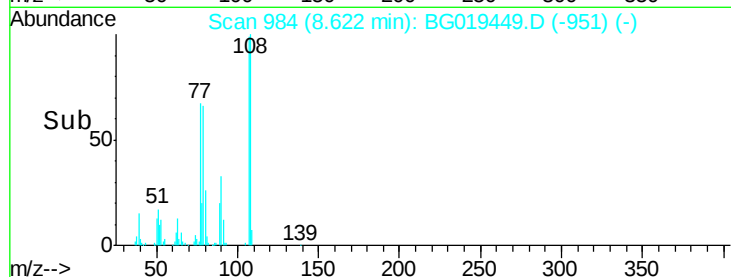
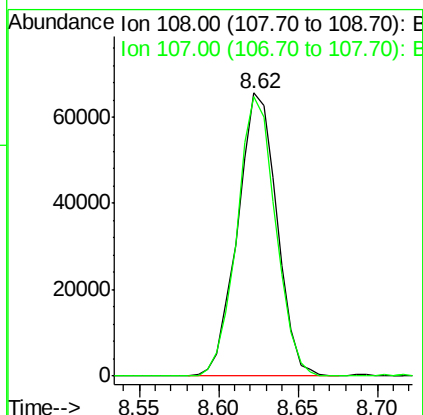
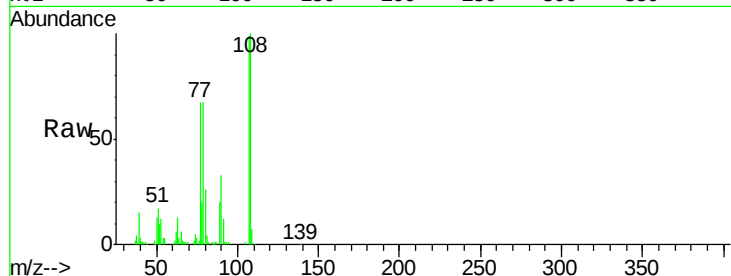




#11
2-Methylphenol
Concen: 56.82 ng/ul
RT: 8.62 min Scan# 984
Delta R.T. -0.01 min
Lab File: BG019449.D
Acq: 3 Nov 2015 13:05

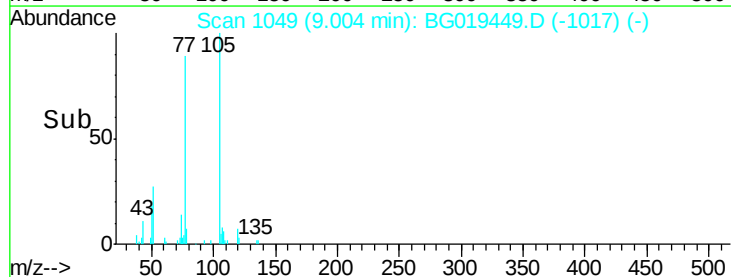
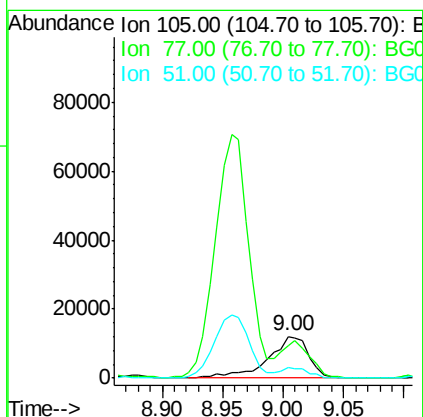
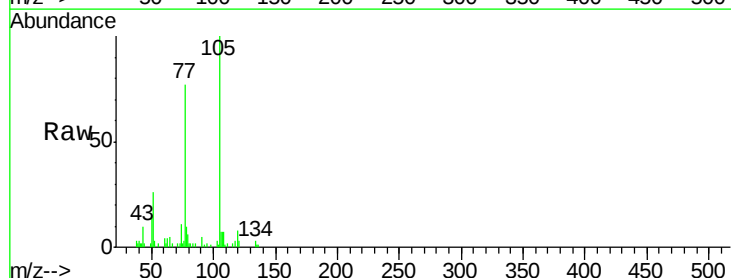
Instrument :
BNA_G
ClientSampleId :
E5LK7DL2

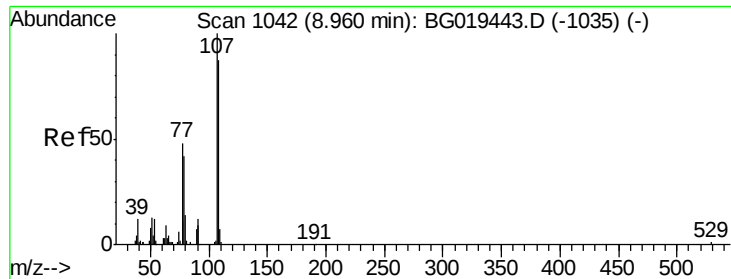
Tgt Ion:108 Resp: 112979
Ion Ratio Lower Upper
108 100
107 98.8 71.2 106.8



#14
Acetophenone
Concen: 8.34 ng/ul
RT: 9.00 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BG019449.D
Acq: 3 Nov 2015 13:05

Tgt Ion:105 Resp: 28141
Ion Ratio Lower Upper
105 100
77 77.2 69.5 104.3
51 25.9 21.8 32.6

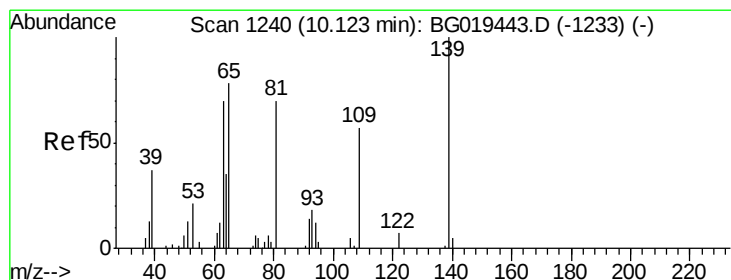
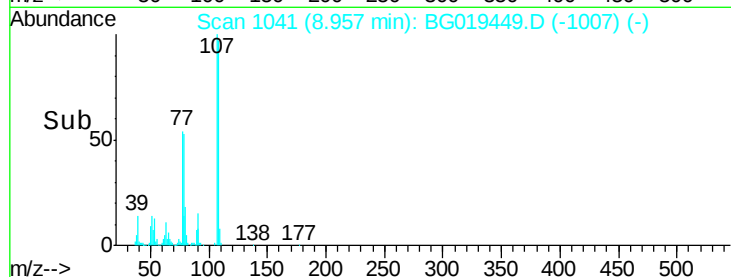
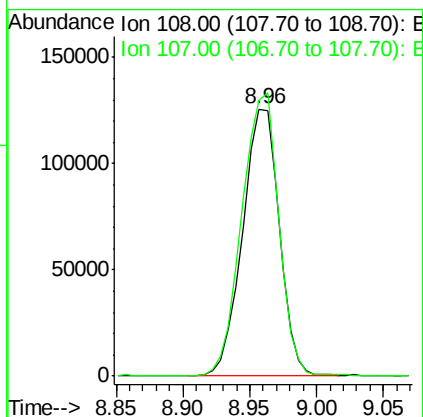
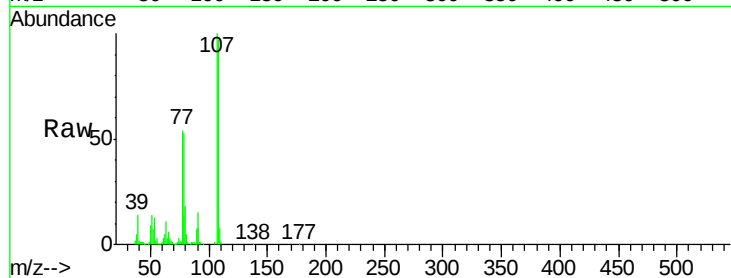




#16
4-Methylphenol
Concen: 110.16 ng/ul
RT: 8.96 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BG019449.D
Acq: 3 Nov 2015 13:05

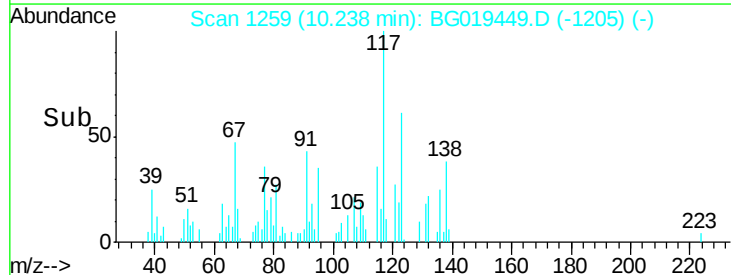
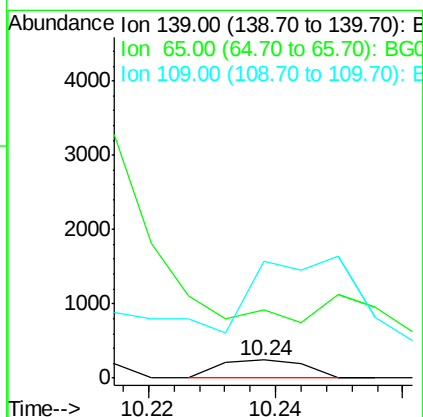
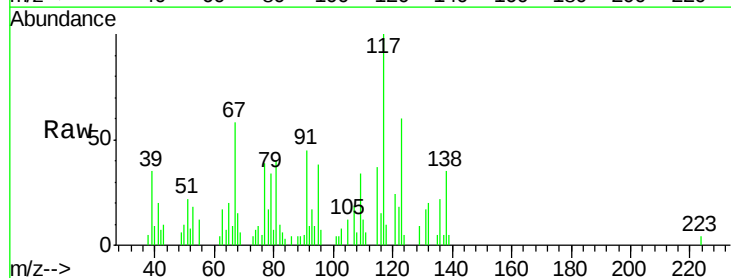
Instrument :
BNA_G
ClientSampleId :
E5LK7DL2

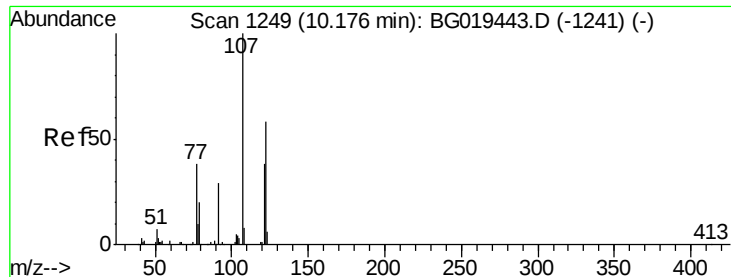
Tgt Ion:108 Resp: 239168
Ion Ratio Lower Upper
108 100
107 103.2 85.4 128.2



#23
2-Nitrophenol
Concen: 1.14 ng/ul
RT: 10.24 min Scan# 1259
Delta R.T. 0.11 min
Lab File: BG019449.D
Acq: 3 Nov 2015 13:05

Tgt Ion:139 Resp: 228
Ion Ratio Lower Upper
139 100
65 377.1 51.0 76.4#
109 639.2 50.6 75.8#

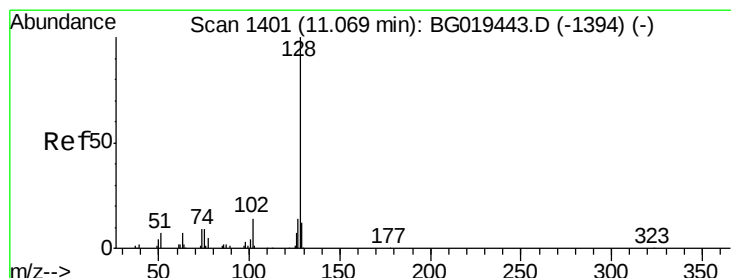
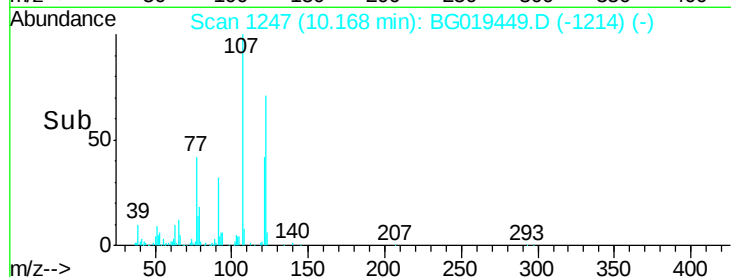
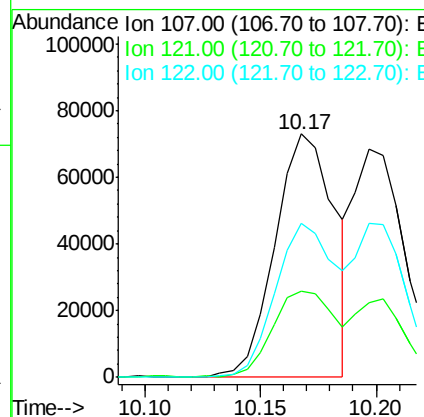
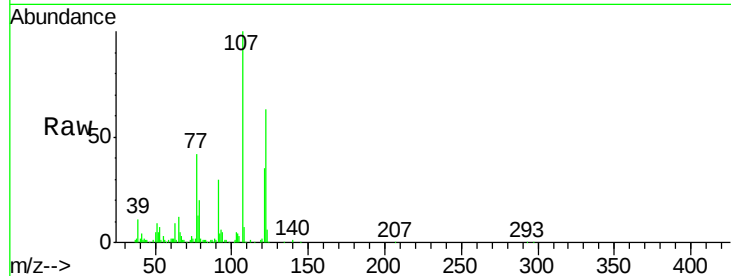




#24
2,4-Dimethylphenol
Concen: 250.74 ng/ul
RT: 10.17 min Scan# 1247
Delta R.T. -0.01 min
Lab File: BG019449.D
Acq: 3 Nov 2015 13:05

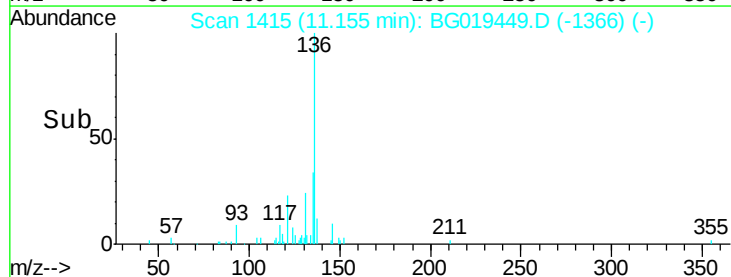
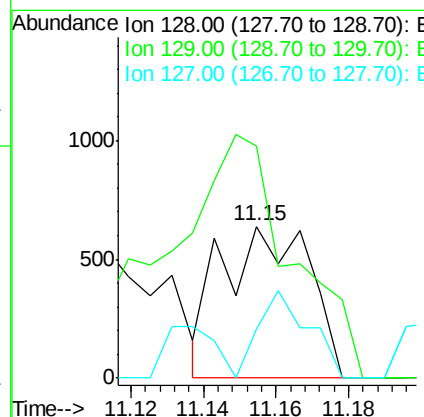
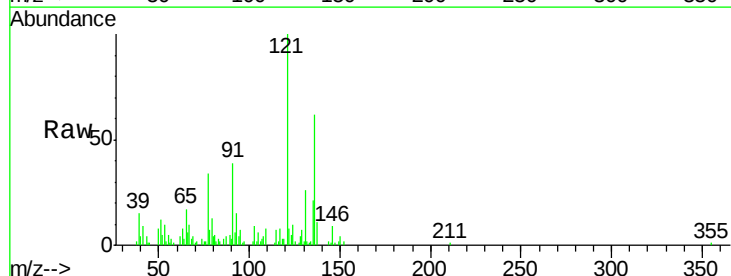
Instrument :
BNA_G
ClientSampleId :
E5LK7DL2

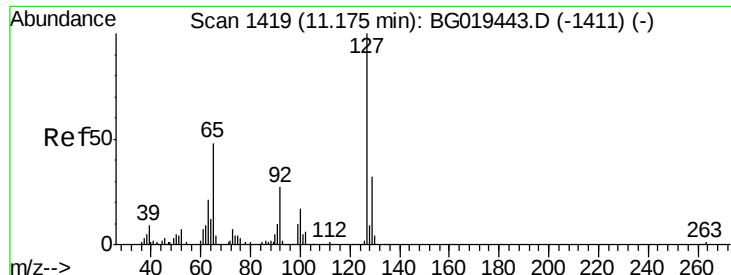
Tgt Ion	Ratio	Lower	Upper
107	100		
121	35.5	33.0	49.4
122	63.0	54.2	81.2



#28
Naphthalene
Concen: 1.06 ng/ul
RT: 11.15 min Scan# 1415
Delta R.T. 0.09 min
Lab File: BG019449.D
Acq: 3 Nov 2015 13:05

Tgt Ion	Ratio	Lower	Upper
128	100		
129	153.4	8.9	13.3#
127	32.6	13.1	19.7#

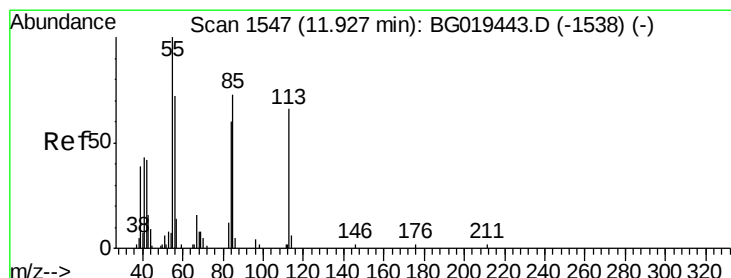
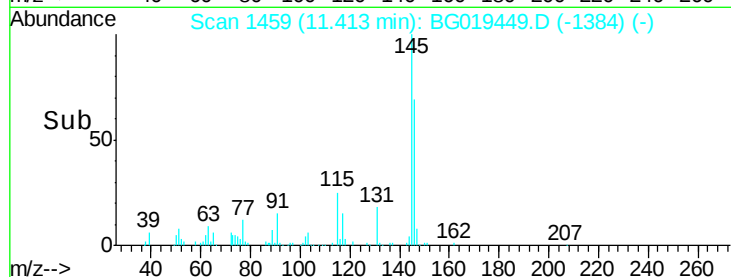
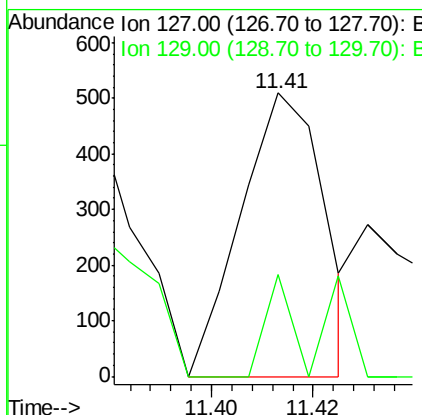
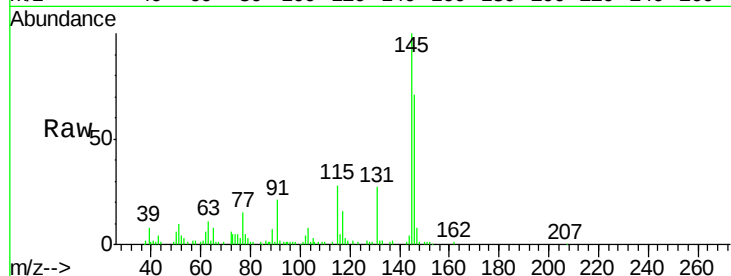




#30
4-Chloroaniline
Concen: 1.43 ng/ul
RT: 11.41 min Scan# 1459
Delta R.T. 0.24 min
Lab File: BG019449.D
Acq: 3 Nov 2015 13:05

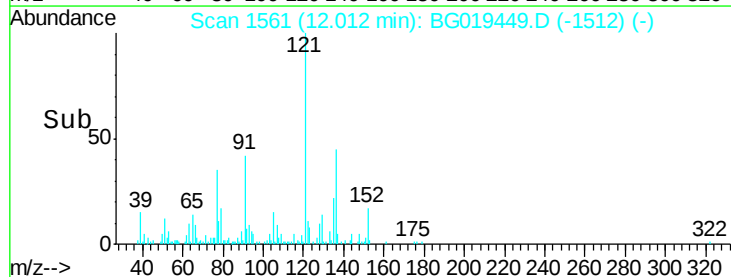
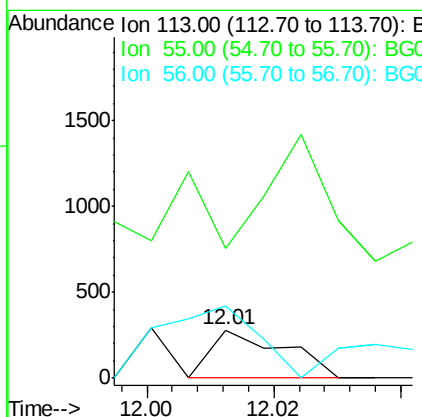
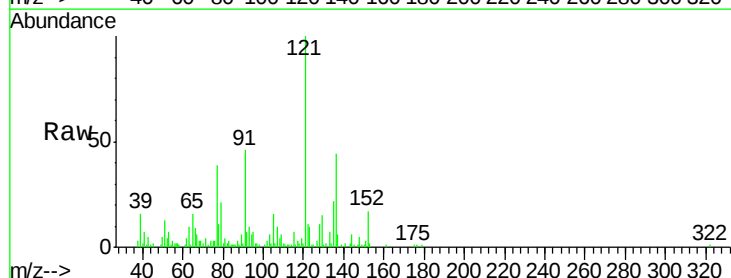
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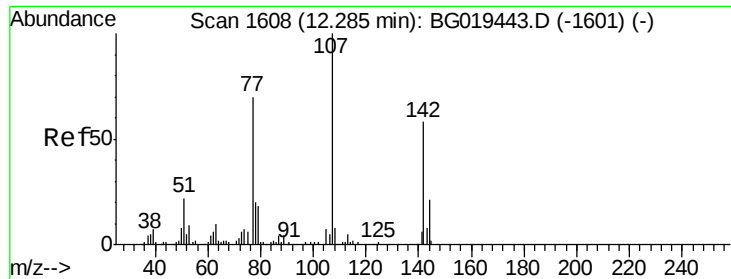
Tgt Ion:127 Resp: 579
Ion Ratio Lower Upper
127 100
129 36.0 24.6 36.8



#32
Caprolactam
Concen: 1.70 ng/ul
RT: 12.01 min Scan# 1561
Delta R.T. 0.09 min
Lab File: BG019449.D
Acq: 3 Nov 2015 13:05

Tgt Ion:113 Resp: 223
Ion Ratio Lower Upper
113 100
55 271.2 93.1 139.7#
56 150.7 79.9 119.9#

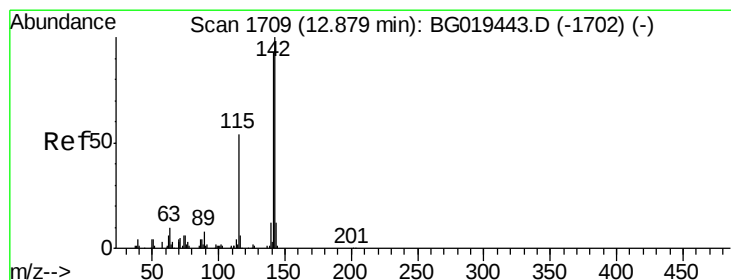
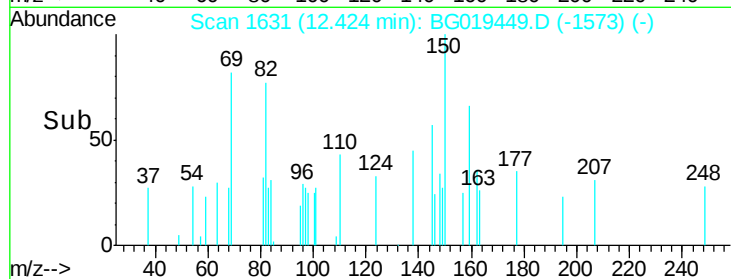
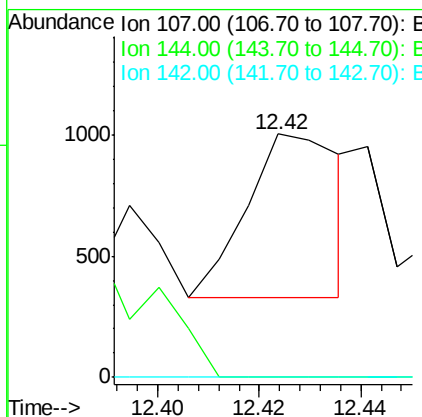
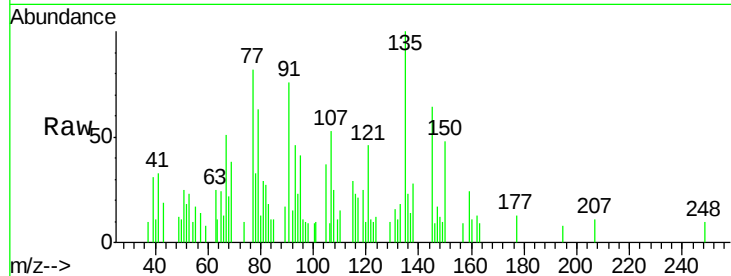




#33
 4-Chloro-3-methylphenol
 Concen: 1.76 ng/ul
 RT: 12.42 min Scan# 1631
 Delta R.T. 0.14 min
 Lab File: BG019449.D
 Acq: 3 Nov 2015 13:05

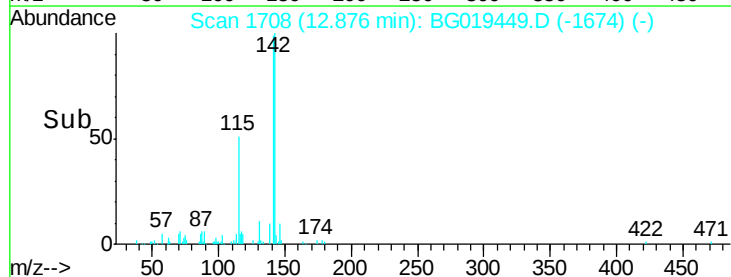
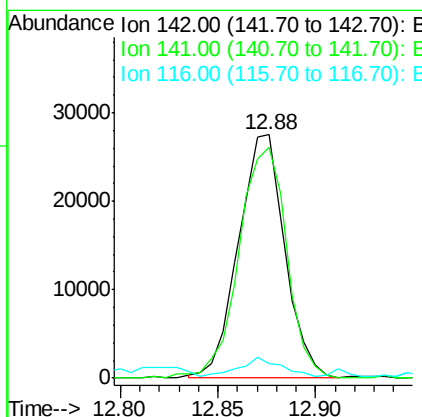
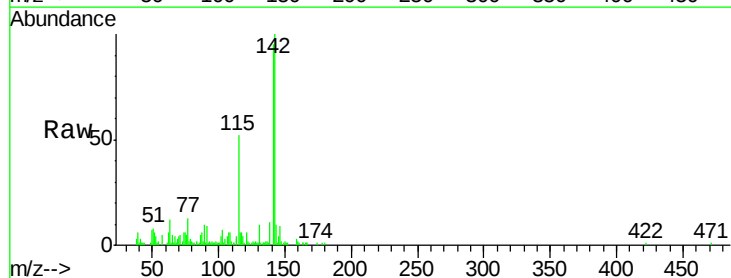
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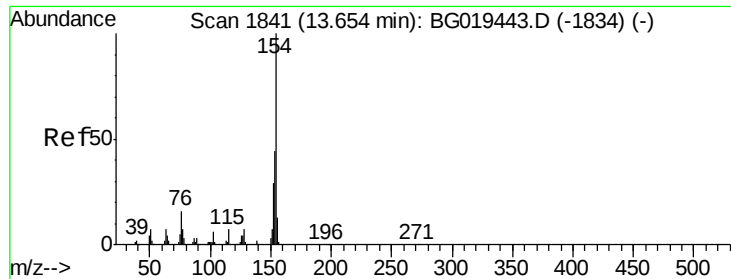
Tgt Ion:107 Resp: 863
 Ion Ratio Lower Upper
 107 100
 144 0.0 13.0 19.6#
 142 0.0 47.0 70.6#



#35
 1-Methylnaphthalene
 Concen: 58.91 ng/ul
 RT: 12.88 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: BG019449.D
 Acq: 3 Nov 2015 13:05

Tgt Ion:142 Resp: 45275
 Ion Ratio Lower Upper
 142 100
 141 94.8 76.5 114.7
 116 5.8 5.4 8.0

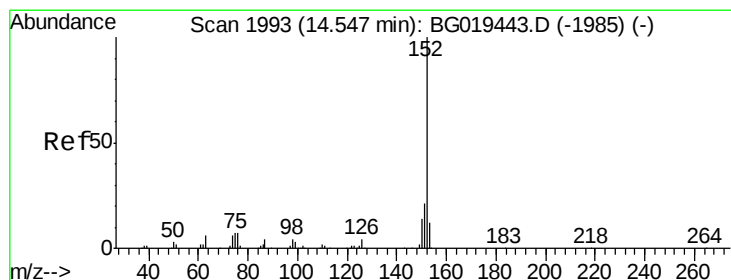
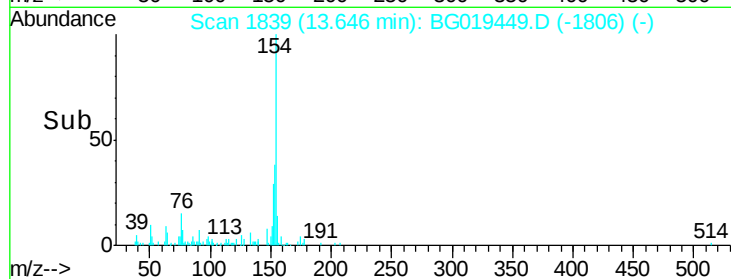
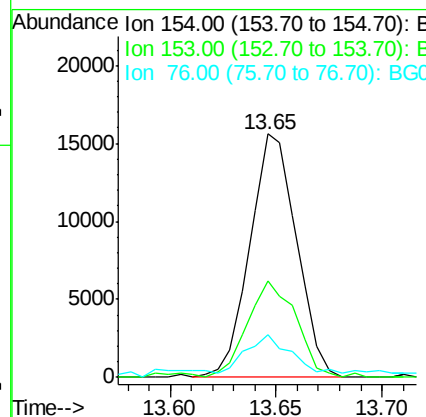
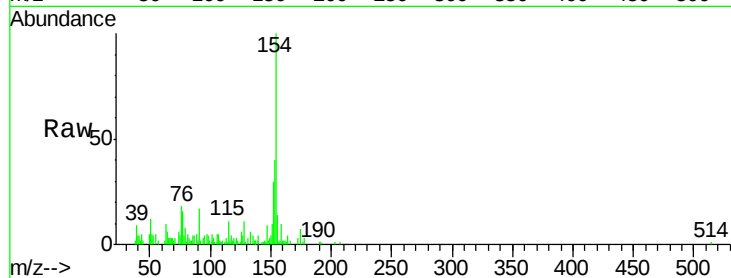




#41
 1,1'-Biphenyl
 Concen: 4.95 ng/ul
 RT: 13.65 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BG019449.D
 Acq: 3 Nov 2015 13:05

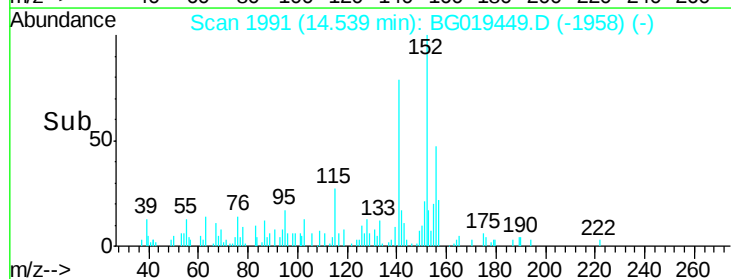
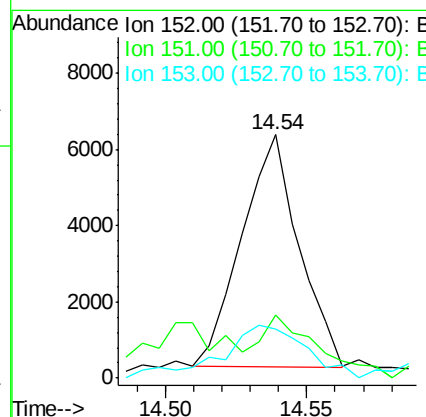
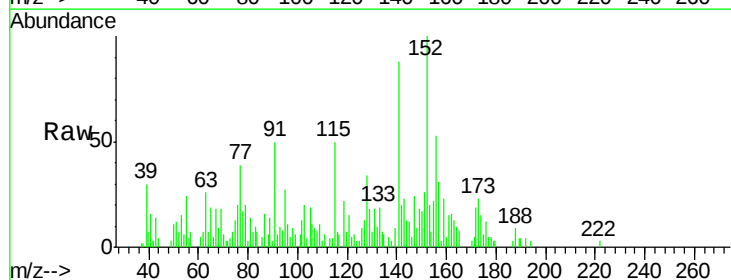
Instrument :
 BNA_G
 ClientSampleId :
 E5LK7DL2

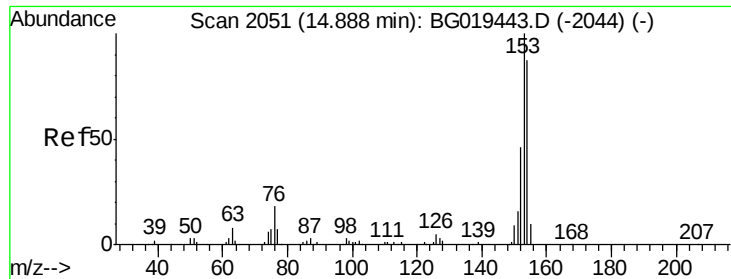
Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.6	32.8	49.2
76	17.8	7.7	11.5#



#48
 Acenaphthylene
 Concen: 1.33 ng/ul
 RT: 14.54 min Scan# 1991
 Delta R.T. -0.01 min
 Lab File: BG019449.D
 Acq: 3 Nov 2015 13:05

Tgt Ion	Ratio	Lower	Upper
152	100		
151	25.8	16.9	25.3#
153	20.2	10.8	16.2#





#50

Acenaphthene

Concen: 1.97 ng/ul

RT: 14.87 min Scan# 2048

Delta R.T. -0.01 min

Lab File: BG019449.D

Acq: 3 Nov 2015 13:05

Instrument :

BNA_G

ClientSampleId :

E5LK7DL2

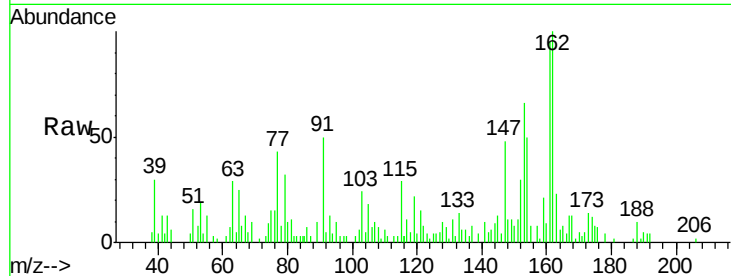
Tgt Ion:153 Resp: 8521

Ion Ratio Lower Upper

153 100

152 45.2 38.8 58.2

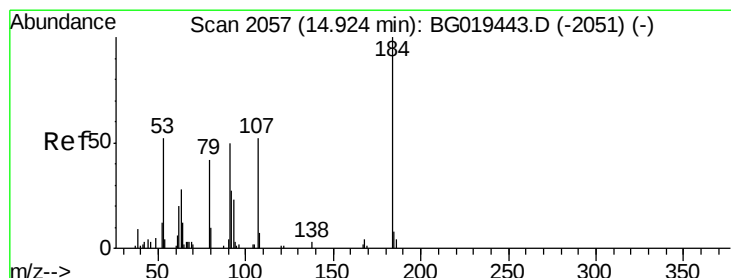
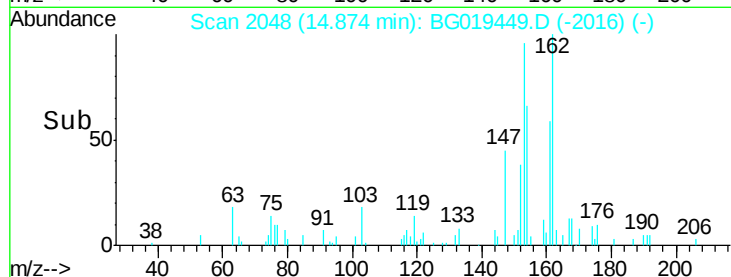
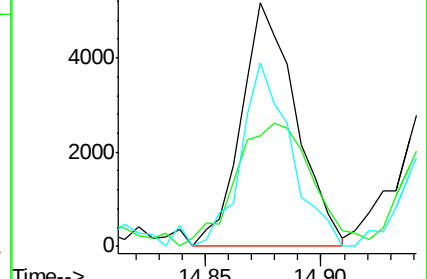
154 75.3 71.5 107.3



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#51

2,4-Dinitrophenol

Concen: 2.11 ng/ul

RT: 14.95 min Scan# 2061

Delta R.T. 0.03 min

Lab File: BG019449.D

Acq: 3 Nov 2015 13:05

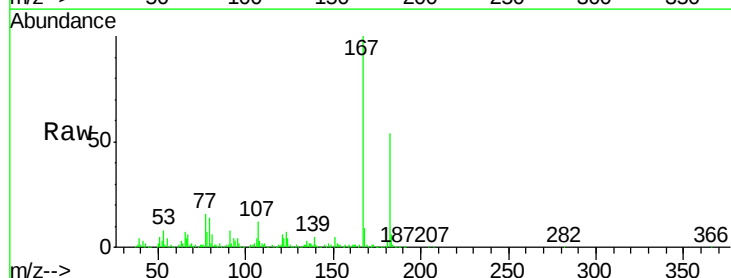
Tgt Ion:184 Resp: 1858

Ion Ratio Lower Upper

184 100

63 586.2 52.6 78.8#

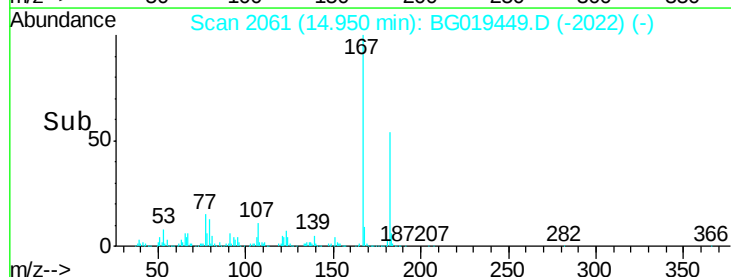
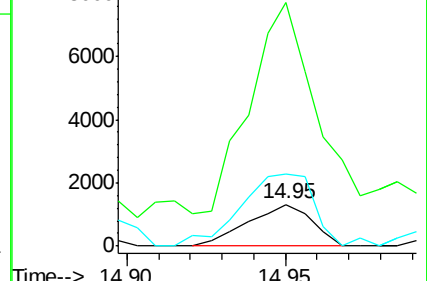
154 174.5 66.1 99.1#

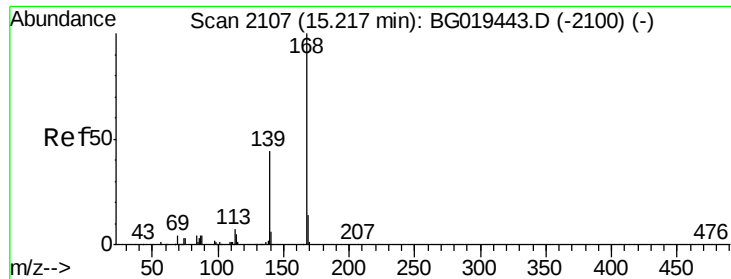


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 6.18 ng/ul

RT: 15.21 min Scan# 2105

Delta R.T. -0.01 min

Lab File: BG019449.D

Acq: 3 Nov 2015 13:05

Instrument :

BNA_G

ClientSampleId :

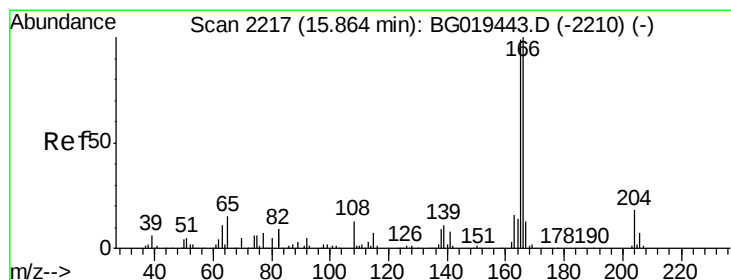
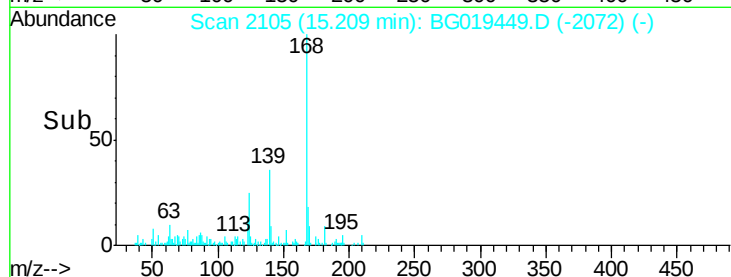
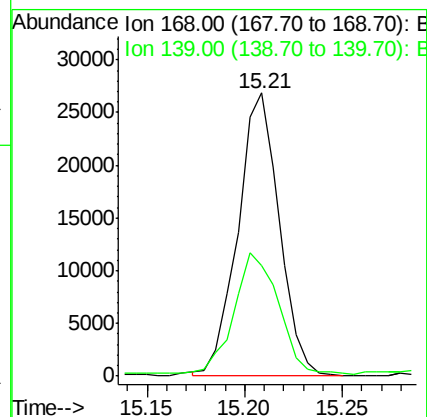
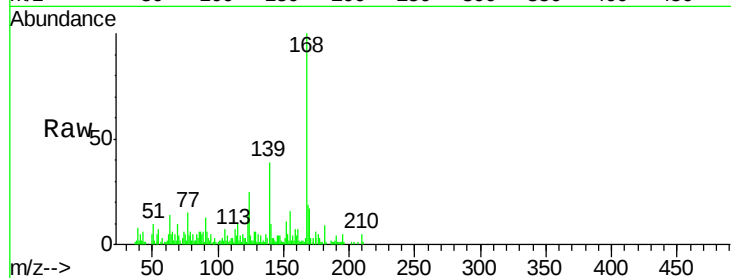
E5LK7DL2

Tgt Ion:168 Resp: 39477

Ion Ratio Lower Upper

168 100

139 39.2 32.4 48.6



#59

Fluorene

Concen: 5.26 ng/ul

RT: 15.86 min Scan# 2215

Delta R.T. -0.01 min

Lab File: BG019449.D

Acq: 3 Nov 2015 13:05

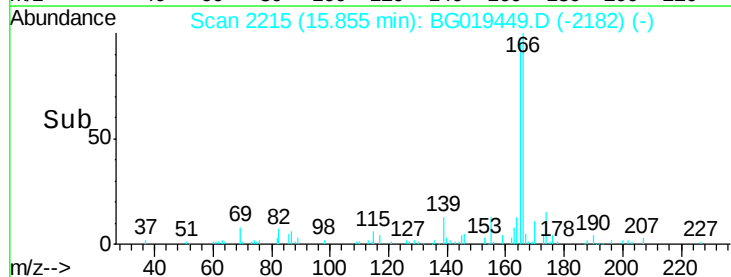
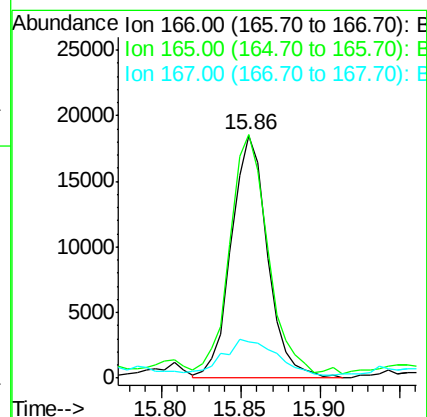
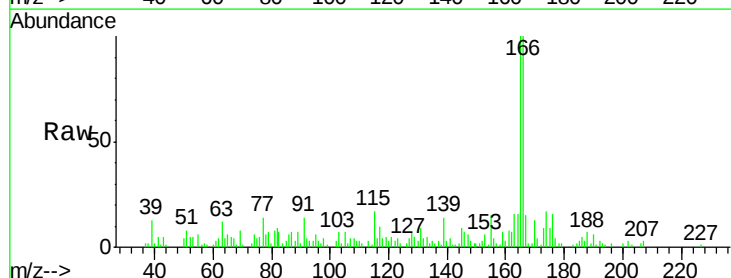
Tgt Ion:166 Resp: 29298

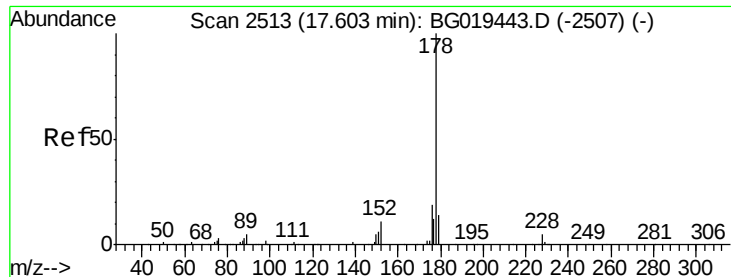
Ion Ratio Lower Upper

166 100

165 100.2 77.6 116.4

167 15.2 9.6 14.4#





#70

Phenanthrene

Concen: 4.74 ng/ul

RT: 17.59 min Scan# 2511

Delta R.T. -0.01 min

Lab File: BG019449.D

Acq: 3 Nov 2015 13:05

Instrument :

BNA_G

ClientSampleId :

E5LK7DL2

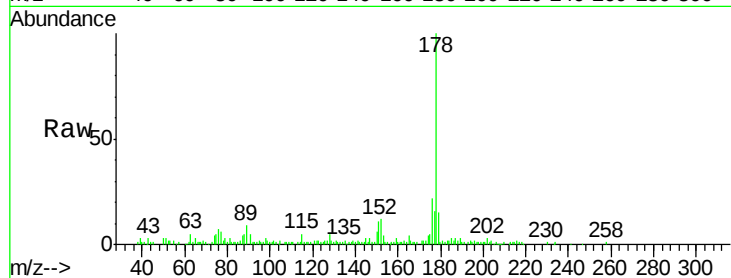
Tgt Ion:178 Resp: 61804

Ion Ratio Lower Upper

178 100

179 14.8 12.6 18.8

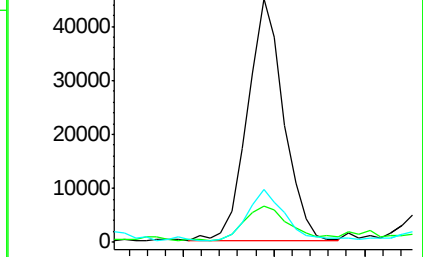
176 21.8 14.3 21.5#



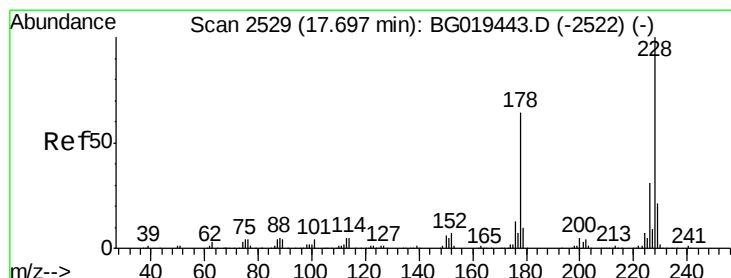
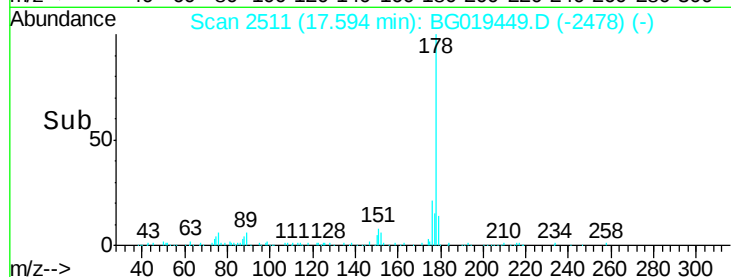
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#72

Anthracene

Concen: 1.04 ng/ul

RT: 17.68 min Scan# 2526

Delta R.T. -0.01 min

Lab File: BG019449.D

Acq: 3 Nov 2015 13:05

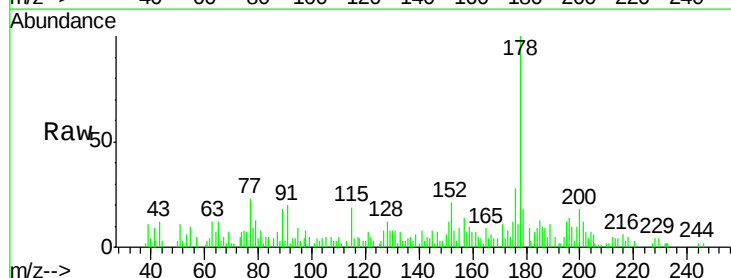
Tgt Ion:178 Resp: 13858

Ion Ratio Lower Upper

178 100

179 17.7 11.6 17.4#

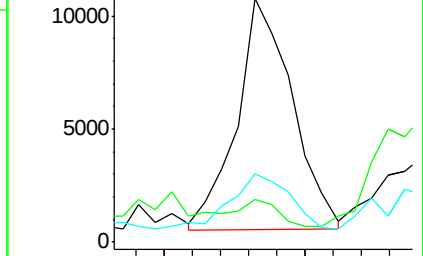
176 27.9 14.2 21.4#



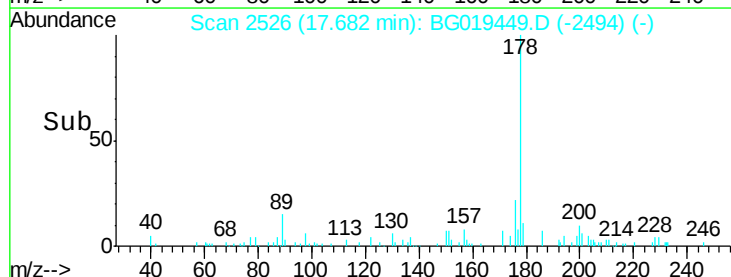
Abundance Ion 178.00 (177.70 to 178.70): E

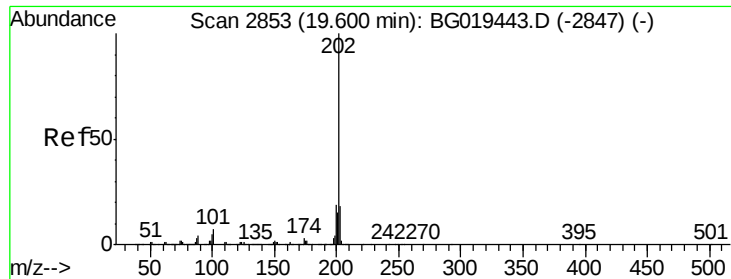
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->





#77

Fluoranthene

Concen: 1.17 ng/ul

RT: 19.59 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BG019449.D

Acq: 3 Nov 2015 13:05

Instrument :

BNA_G

ClientSampleId :

E5LK7DL2

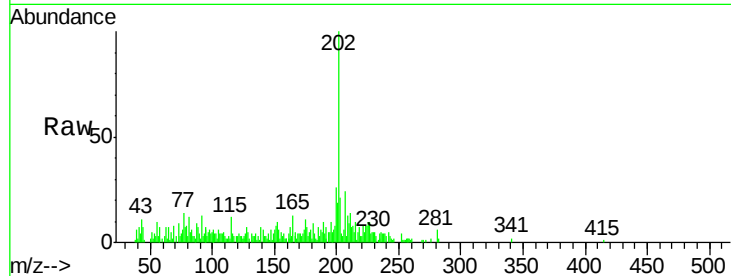
Tgt Ion:202 Resp: 19777

Ion Ratio Lower Upper

202 100

101 6.1 4.0 6.0#

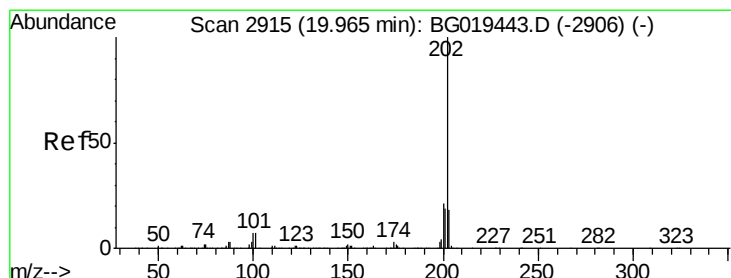
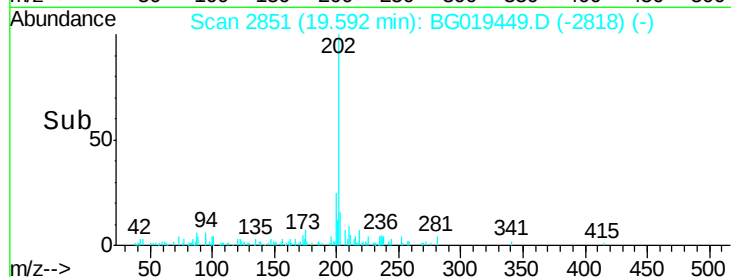
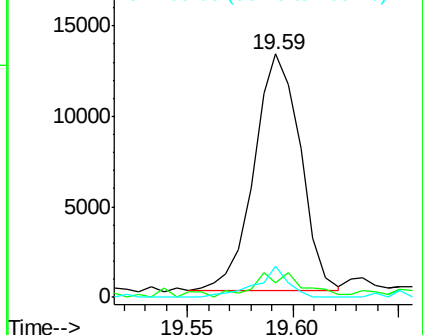
100 12.7 3.6 5.4#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Pyrene

Concen: 1.13 ng/ul

RT: 19.96 min Scan# 2913

Delta R.T. -0.01 min

Lab File: BG019449.D

Acq: 3 Nov 2015 13:05

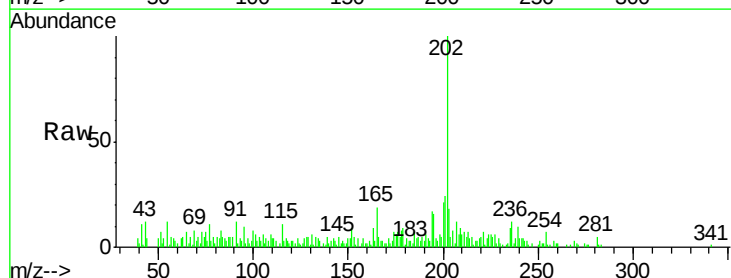
Tgt Ion:202 Resp: 21179

Ion Ratio Lower Upper

202 100

101 6.1 4.3 6.5

100 7.9 3.6 5.4#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

