

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122415\
 Data File : BG020497.D
 Acq On : 25 Dec 2015 7:02
 Operator : UM/SJ
 Sample : G4846-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N51

Quant Time: Dec 25 23:05:18 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 25 03:27:34 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	57402	20.00	ng/ul	0.00
18) Naphthalene-d8	10.96	136	218726	20.00	ng/ul	0.06
36) Acenaphthene-d10	14.72	164	167840	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	379991	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	489563	20.00	ng/ul	0.00
86) Perylene-d12	25.00	264	473680	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.45	96	445	0.43	ng/uL	0.00
5) Phenol-d5	7.24	99	14020	3.04	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	36791	13.48	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	38093	10.78	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	28186	7.27	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	26745	15.60	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	30986	15.90	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.55	165	51688	13.70	ng/ul	0.03
29) 4-Chloroaniline-d4	11.10	131	9951	2.31	ng/ul	0.07
44) Dimethylphthalate-d6	14.13	166	179673	12.99	ng/ul	0.02
47) Acenaphthylene-d8	14.41	160	214146	13.36	ng/ul	0.00
52) 4-Nitrophenol-d4	14.93	143	7304	3.17	ng/ul	0.00
58) Fluorene-d10	15.71	176	165279	13.21	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	27833	11.05	ng/ul	0.01
71) Anthracene-d10	17.57	188	249980	14.05	ng/ul	0.01
79) Pyrene-d10	19.84	212	287793	13.58	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.77	264	336207	14.04	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	7.27	94	11670	2.43	ng/ul	99
11) 2-Methylphenol	8.52	108	74207	19.93	ng/ul	95
14) Acetophenone	8.92	105	40185	6.47	ng/ul#	92
16) 4-Methylphenol	8.87	108	140482	34.79	ng/ul	94
17) Hexachloroethane	9.19	117	4707	3.02	ng/ul#	1
24) 2,4-Dimethylphenol	10.09	107	461457	105.50	ng/ul	97
25) Bis(2-Chloroethoxy)methane	10.36	93	6061	1.35	ng/ul#	1
28) Naphthalene	11.06	128	11110443	955.55	ng/ul#	38
30) 4-Chloroaniline	11.06	127	3307728	761.23	ng/ul#	14
33) 4-Chloro-3-methylphenol	12.24	107	7111	1.75	ng/ul#	29
34) 2-Methylnaphthalene	12.58	142	2066003	240.14	ng/ul	99
35) 1-Methylnaphthalene	12.79	142	1194964	146.22	ng/ul#	96
41) 1,1'-Biphenyl	13.55	154	585624	45.21	ng/ul	97
48) Acenaphthylene	14.44	152	256059	15.20	ng/ul	97
50) Acenaphthene	14.81	153	2124329	186.51	ng/ul#	91
54) Dibenzofuran	15.13	168	1788796	105.56	ng/ul	90
59) Fluorene	15.77	166	1317373	95.93	ng/ul	98
61) 4-Nitroaniline	15.77	138	17756	5.99	ng/ul#	15
70) Phenanthrene	17.60	178	126650	5.99	ng/ul	99
72) Anthracene	17.60	178	129881	6.01	ng/ul	98
75) Carbazole	17.90	167	2577521	141.47	ng/ul#	84
77) Fluoranthene	19.51	202	364316	13.70	ng/ul#	97
80) Pyrene	19.87	202	210684	7.61	ng/ul	97

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Response via : Initial Calibration

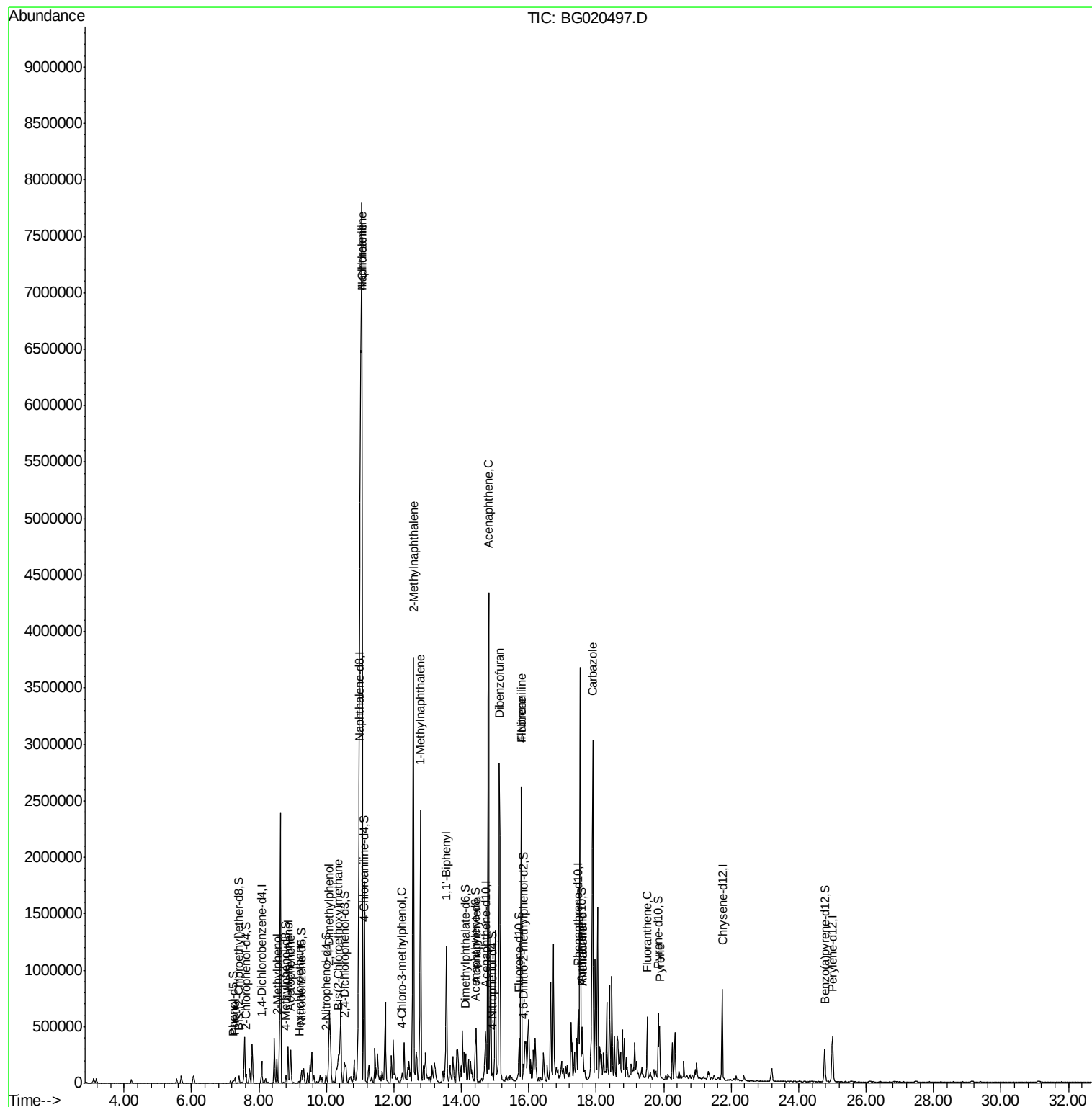
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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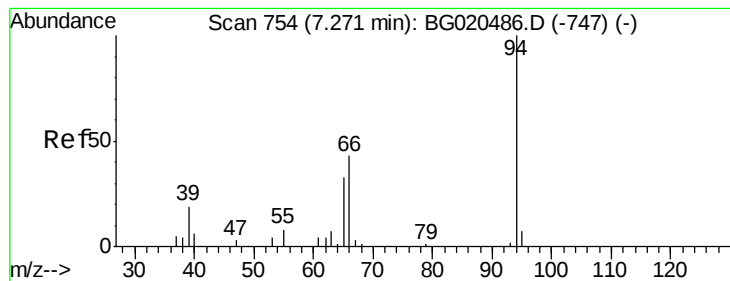
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 2.43 ng/ul

RT: 7.27 min Scan# 754

Delta R.T. -0.00 min

Lab File: BG020497.D

Acq: 25 Dec 2015 7:02

Instrument :

BNA_G

ClientSampleId :

D9N51

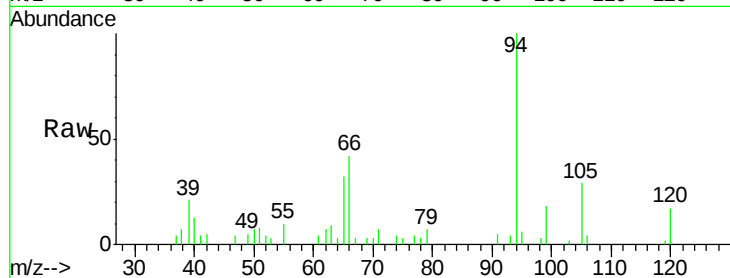
Tgt Ion: 94 Resp: 11670

Ion Ratio Lower Upper

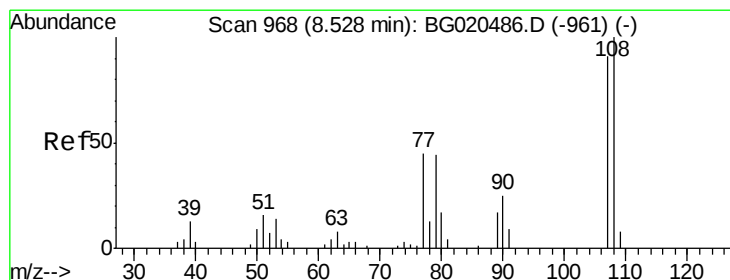
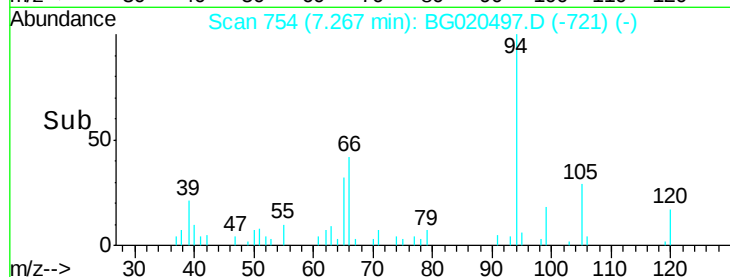
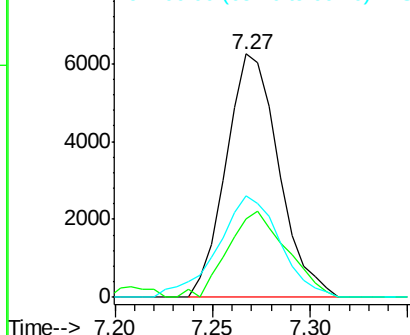
94 100

65 32.2 26.3 39.5

66 41.9 33.3 49.9



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

2-Methylphenol

Concen: 19.93 ng/ul

RT: 8.52 min Scan# 968

Delta R.T. -0.00 min

Lab File: BG020497.D

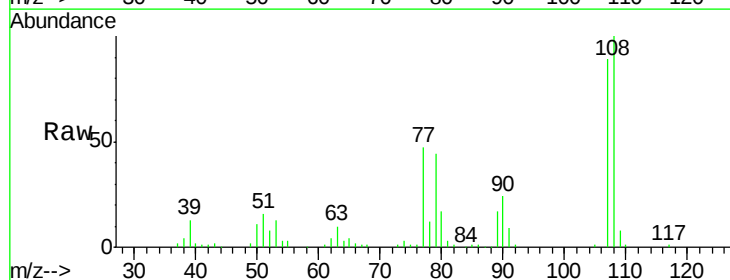
Acq: 25 Dec 2015 7:02

Tgt Ion: 108 Resp: 74207

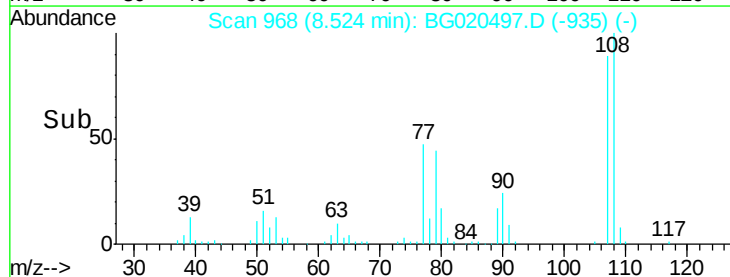
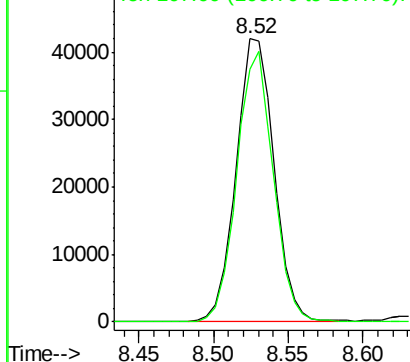
Ion Ratio Lower Upper

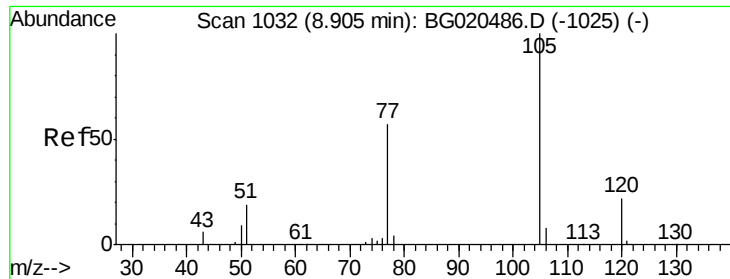
108 100

107 89.1 67.5 101.3



Abundance Ion 108.00 (107.70 to 108.70): BGC
Ion 107.00 (106.70 to 107.70): BGC

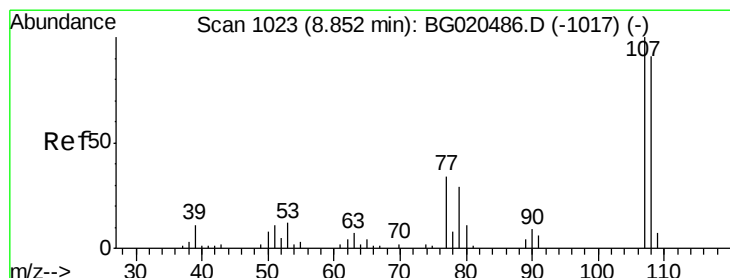
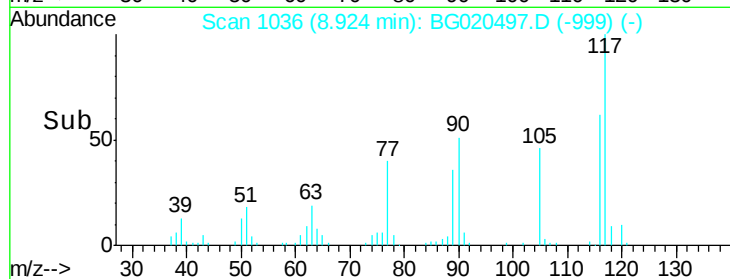
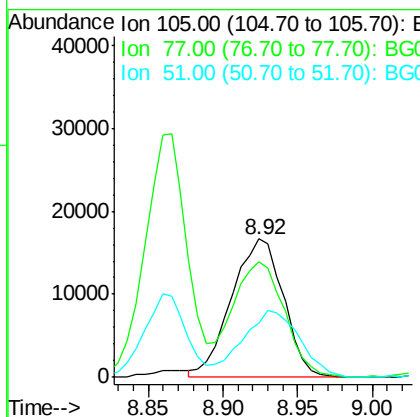
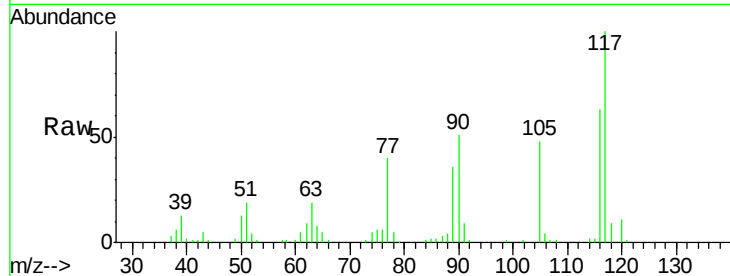




#14
 Acetophenone
 Concen: 6.47 ng/ul
 RT: 8.92 min Scan# 1036
 Delta R.T. 0.02 min
 Lab File: BG020497.D
 Acq: 25 Dec 2015 7:02

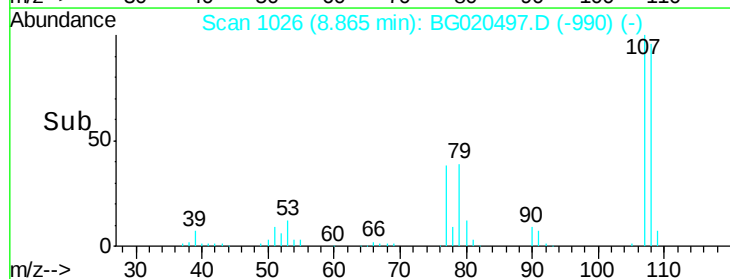
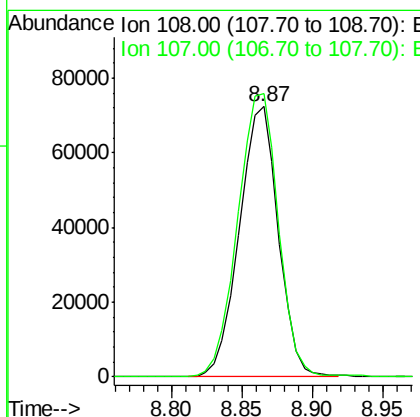
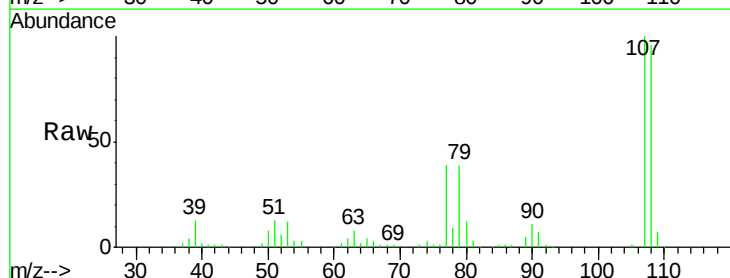
Instrument :
 BNA_G
 ClientSampleID :
 D9N51

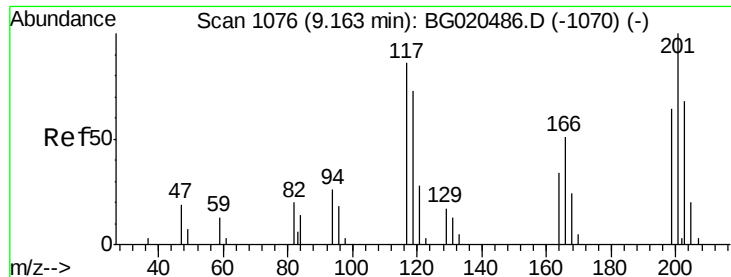
Tgt Ion:105 Resp: 40185
 Ion Ratio Lower Upper
 105 100
 77 84.0 65.2 97.8
 51 39.6 22.6 33.8#



#16
 4-Methylphenol
 Concen: 34.79 ng/ul
 RT: 8.87 min Scan# 1026
 Delta R.T. 0.01 min
 Lab File: BG020497.D
 Acq: 25 Dec 2015 7:02

Tgt Ion:108 Resp: 140482
 Ion Ratio Lower Upper
 108 100
 107 104.7 88.9 133.3

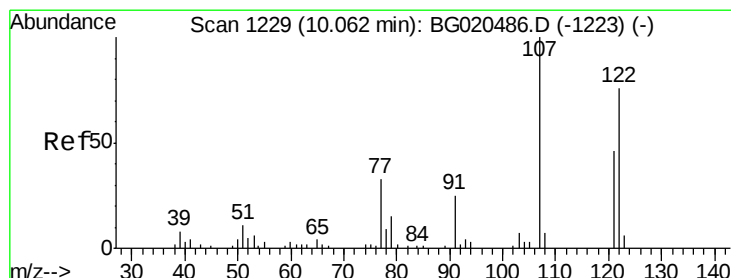
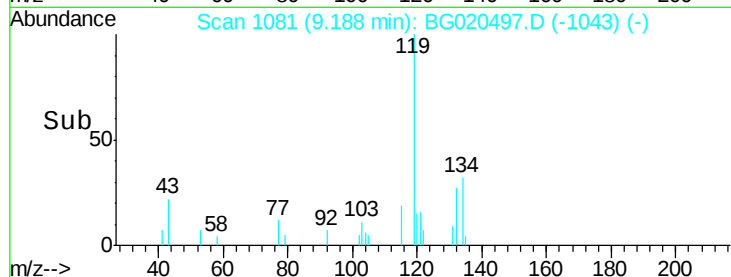
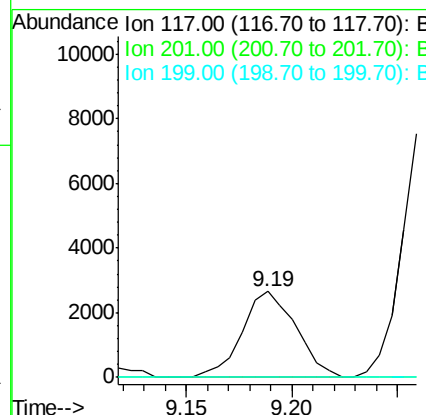
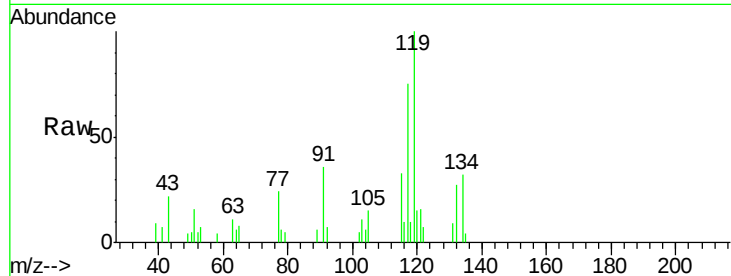




#17
Hexachloroethane
Concen: 3.02 ng/ul
RT: 9.19 min Scan# 1081
Delta R.T. 0.03 min
Lab File: BG020497.D
Acq: 25 Dec 2015 7:02

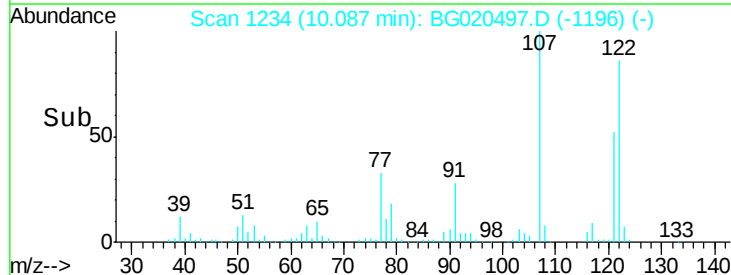
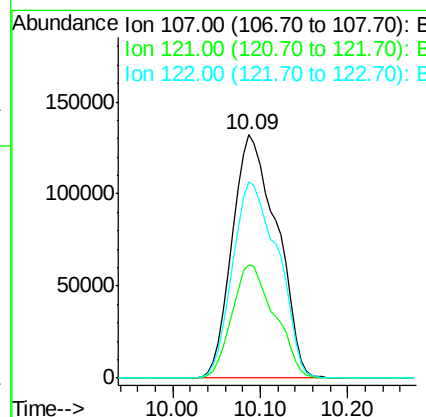
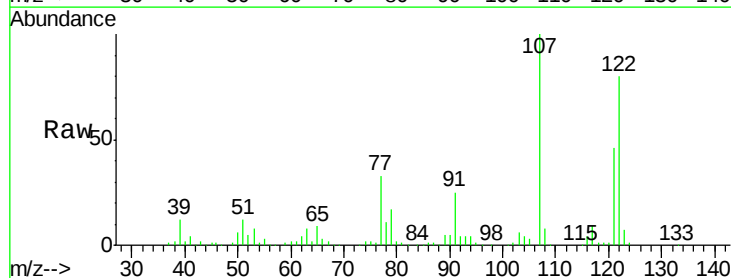
Instrument :
BNA_G
ClientSampled :
D9N51

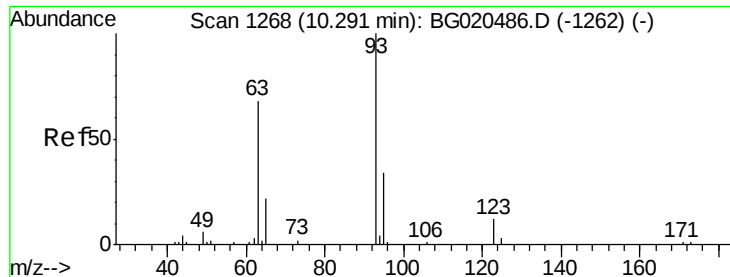
Tgt Ion:117 Resp: 4707
Ion Ratio Lower Upper
117 100
201 0.0 102.7 154.1#
199 0.0 65.8 98.8#



#24
2,4-Dimethylphenol
Concen: 105.50 ng/ul
RT: 10.09 min Scan# 1234
Delta R.T. 0.03 min
Lab File: BG020497.D
Acq: 25 Dec 2015 7:02

Tgt Ion:107 Resp: 461457
Ion Ratio Lower Upper
107 100
121 46.4 39.0 58.4
122 80.4 62.1 93.1

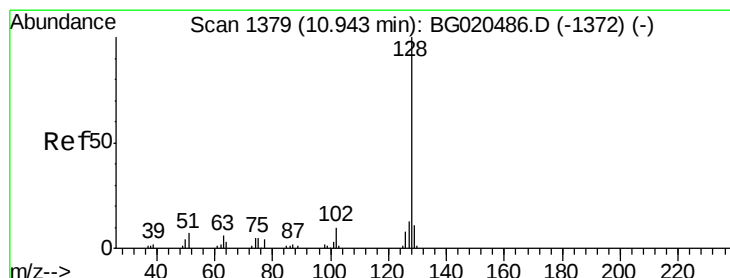
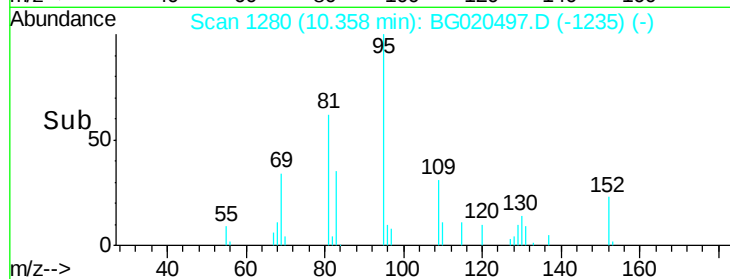
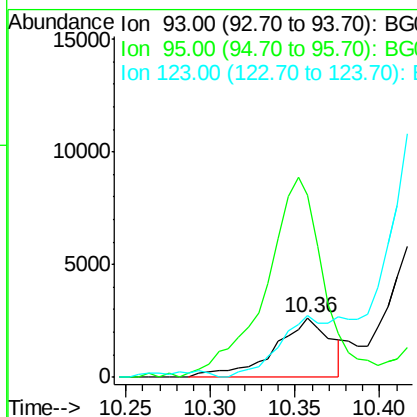
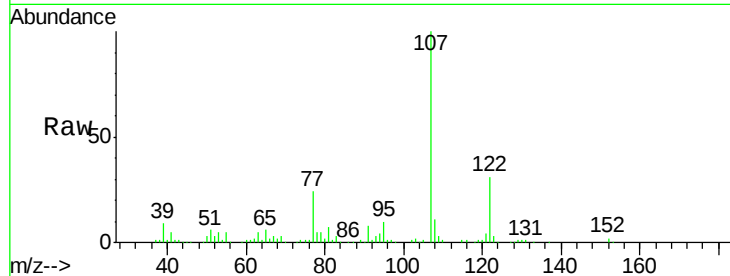




#25
 Bis(2-Chloroethoxy)methane
 Concen: 1.35 ng/ul
 RT: 10.36 min Scan# 1280
 Delta R.T. 0.07 min
 Lab File: BG020497.D
 Acq: 25 Dec 2015 7:02

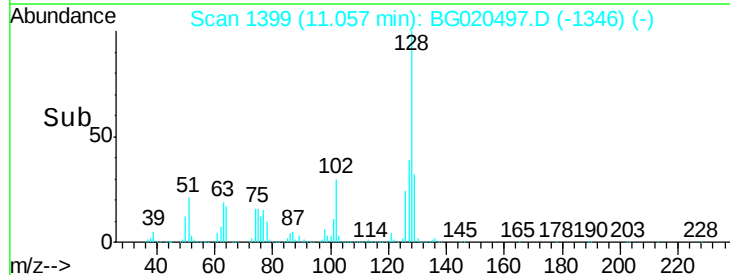
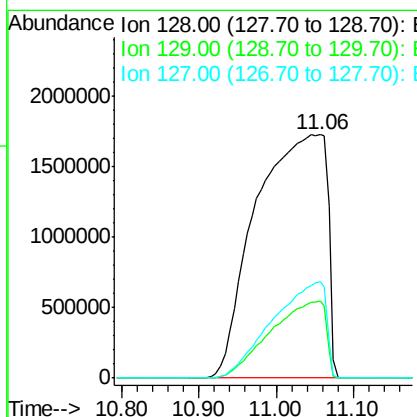
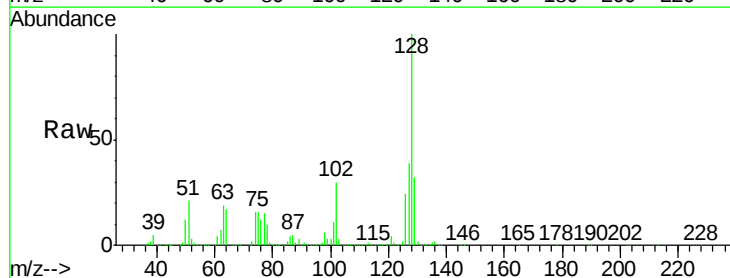
Instrument :
 BNA_G
 ClientSampled :
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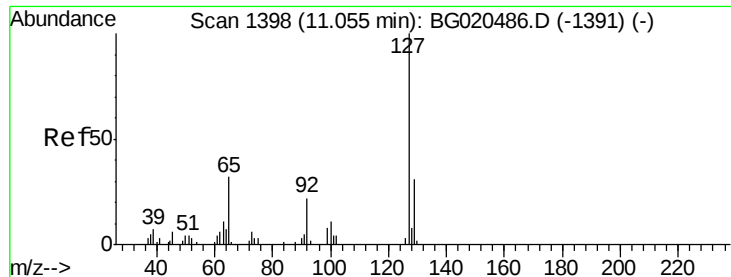
Tgt Ion: 93 Resp: 6061
 Ion Ratio Lower Upper
 93 100
 95 305.5 27.4 41.2#
 123 103.3 9.4 14.0#



#28
 Naphthalene
 Concen: 955.55 ng/ul
 RT: 11.06 min Scan# 1399
 Delta R.T. 0.11 min
 Lab File: BG020497.D
 Acq: 25 Dec 2015 7:02

Tgt Ion: 128 Resp: 11110443
 Ion Ratio Lower Upper
 128 100
 129 31.6 8.6 12.8#
 127 39.5 10.1 15.1#

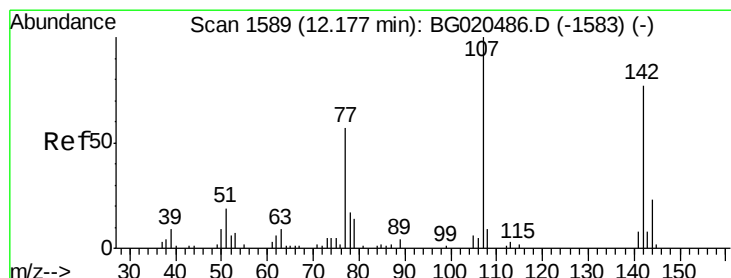
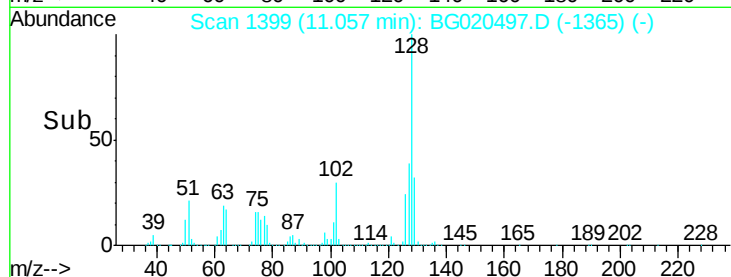
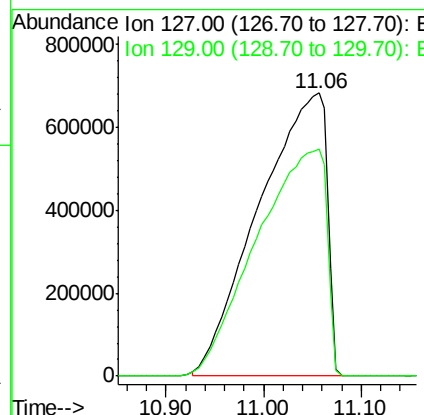
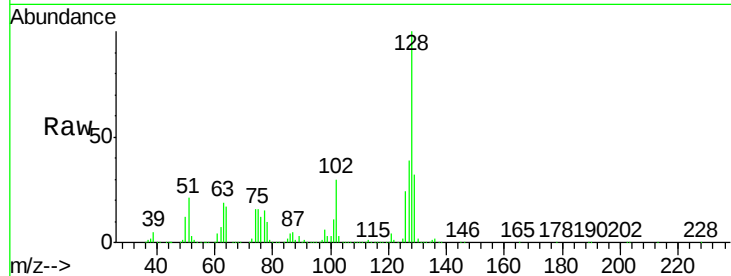




#30
4-Chloroaniline
Concen: 761.23 ng/ul
RT: 11.06 min Scan# 1399
Delta R.T. 0.00 min
Lab File: BG020497.D
Acq: 25 Dec 2015 7:02

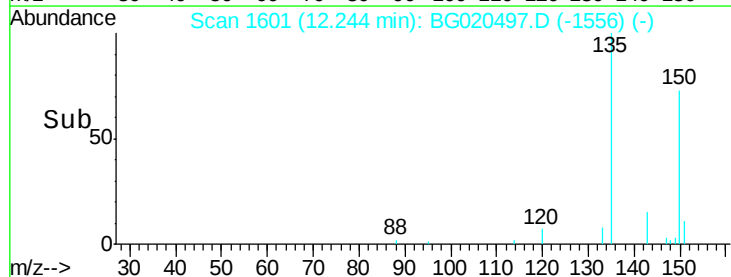
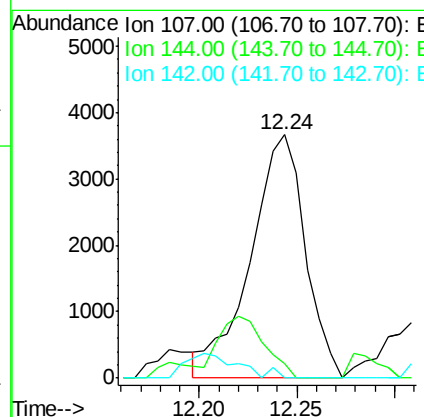
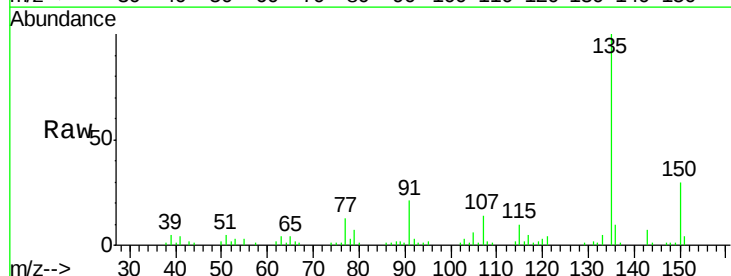
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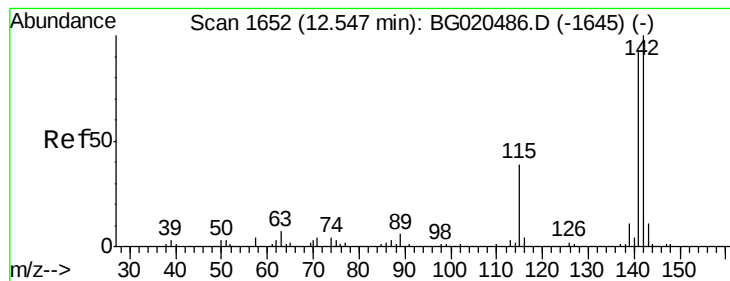
Tgt Ion:127 Resp: 3307728
Ion Ratio Lower Upper
127 100
129 80.1 25.7 38.5#



#33
4-Chloro-3-methylphenol
Concen: 1.75 ng/ul
RT: 12.24 min Scan# 1601
Delta R.T. 0.07 min
Lab File: BG020497.D
Acq: 25 Dec 2015 7:02

Tgt Ion:107 Resp: 7111
Ion Ratio Lower Upper
107 100
144 6.0 18.7 28.1#
142 0.0 52.8 79.2#





#34

2-Methylnaphthalene

Concen: 240.14 ng/ul

RT: 12.58 min Scan# 1658

Delta R.T. 0.03 min

Lab File: BG020497.D

Acq: 25 Dec 2015 7:02

Instrument :

BNA_G

ClientSampleId :

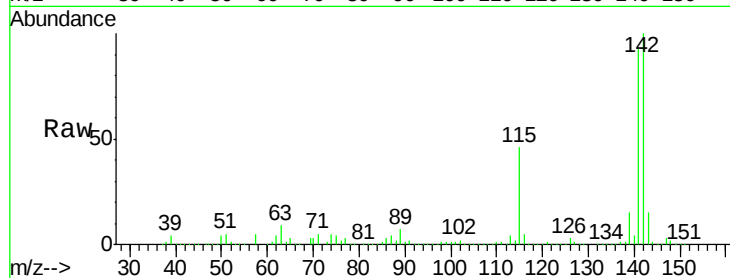
D9N51

Tgt Ion:142 Resp: 2066003

Ion Ratio Lower Upper

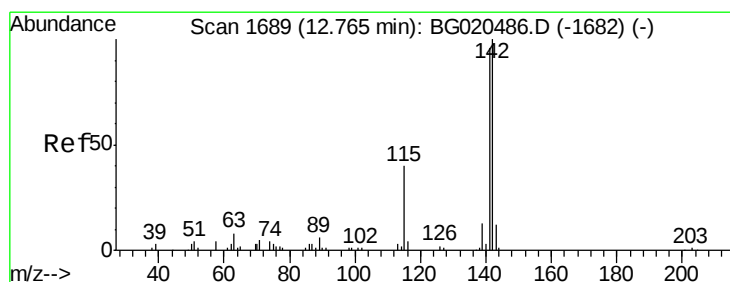
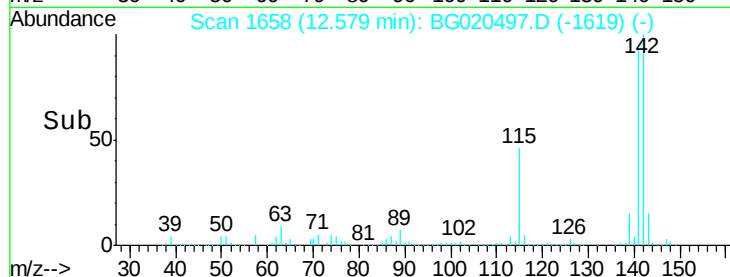
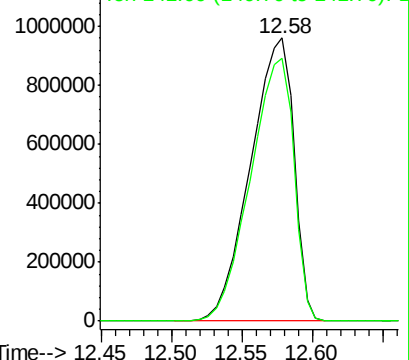
142 100

141 92.8 74.9 112.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#35

1-Methylnaphthalene

Concen: 146.22 ng/ul

RT: 12.79 min Scan# 1694

Delta R.T. 0.03 min

Lab File: BG020497.D

Acq: 25 Dec 2015 7:02

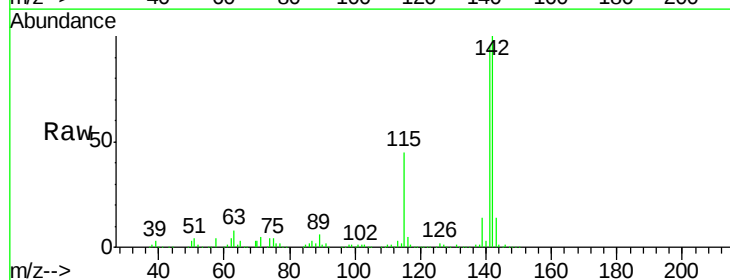
Tgt Ion:142 Resp: 1194964

Ion Ratio Lower Upper

142 100

141 95.1 73.0 109.6

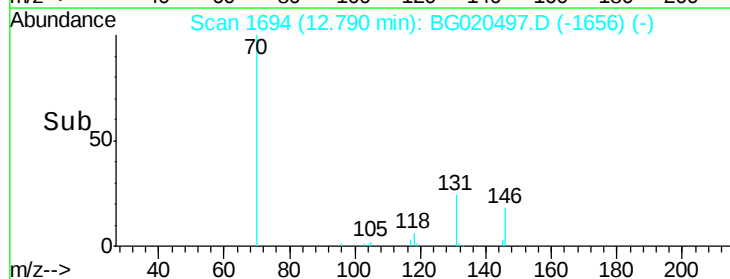
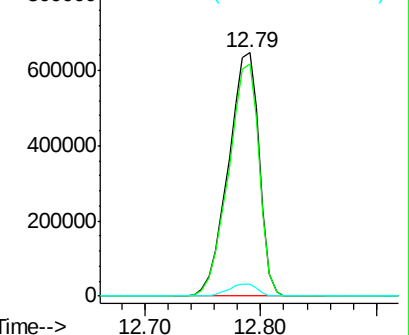
116 4.9 3.0 4.6#

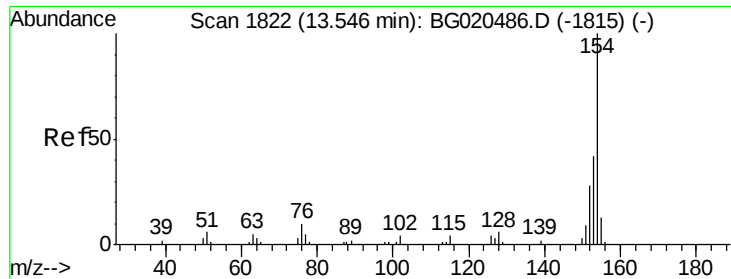


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

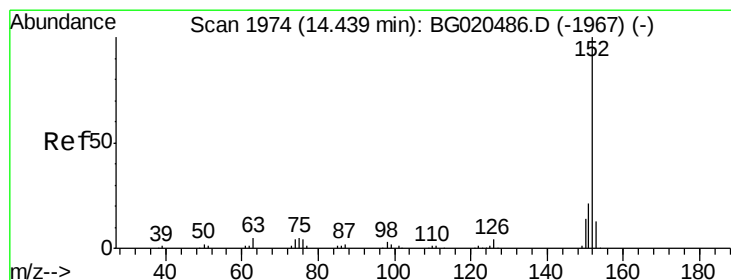
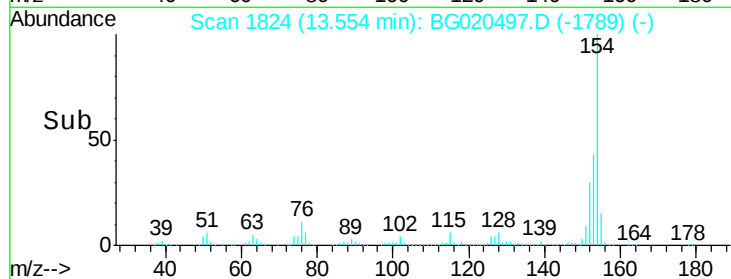
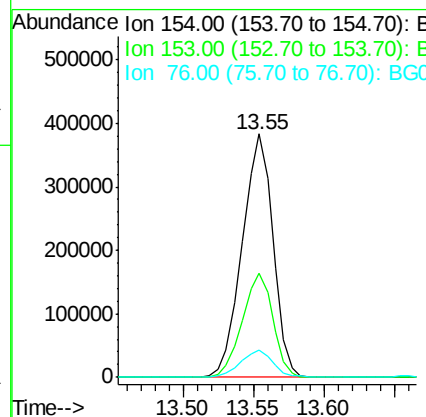
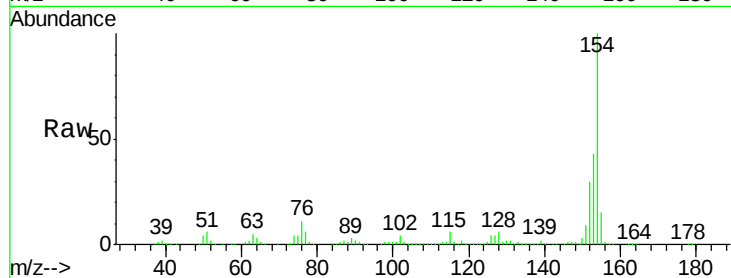




#41
 1,1'-Biphenyl
 Concen: 45.21 ng/ul
 RT: 13.55 min Scan# 1824
 Delta R.T. 0.01 min
 Lab File: BG020497.D
 Acq: 25 Dec 2015 7:02

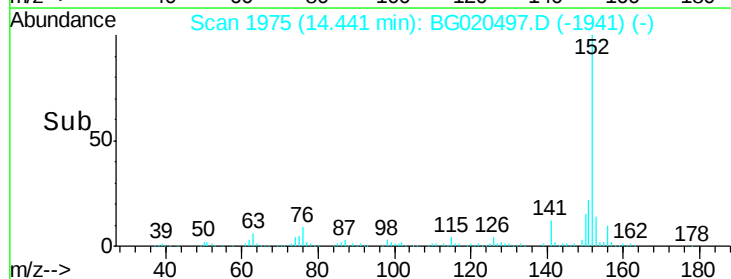
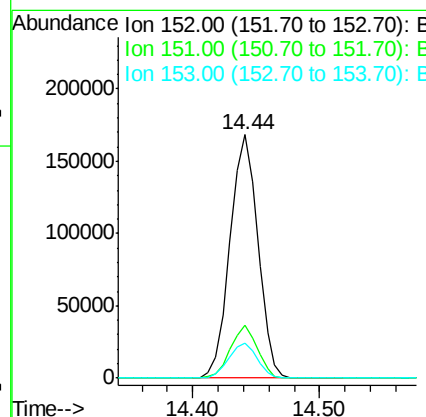
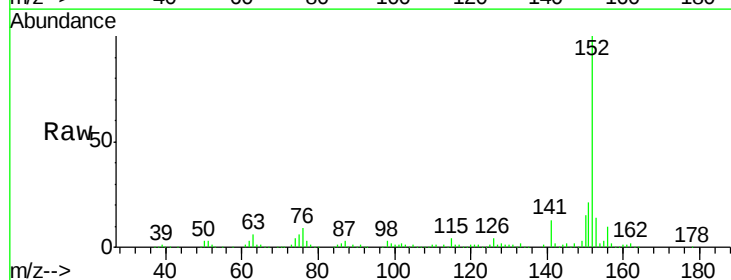
Instrument :
 BNA_G
 ClientSampleId :
 D9N51

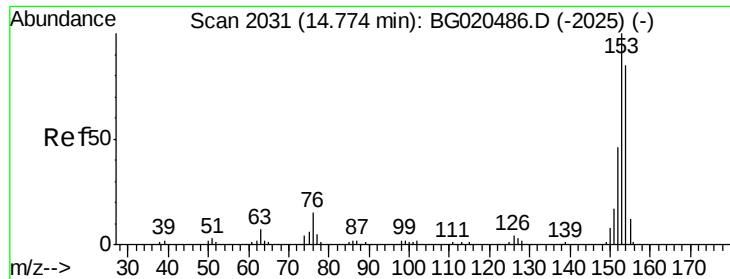
Tgt Ion:154 Resp: 585624
 Ion Ratio Lower Upper
 154 100
 153 42.9 35.5 53.3
 76 11.3 10.4 15.6



#48
 Acenaphthylene
 Concen: 15.20 ng/ul
 RT: 14.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: BG020497.D
 Acq: 25 Dec 2015 7:02

Tgt Ion:152 Resp: 256059
 Ion Ratio Lower Upper
 152 100
 151 21.5 16.4 24.6
 153 14.2 10.4 15.6





#50

Acenaphthene

Concen: 186.51 ng/ul

RT: 14.81 min Scan# 2037

Delta R.T. 0.03 min

Lab File: BG020497.D

Acq: 25 Dec 2015 7:02

Instrument :

BNA_G

ClientSampleId :

D9N51

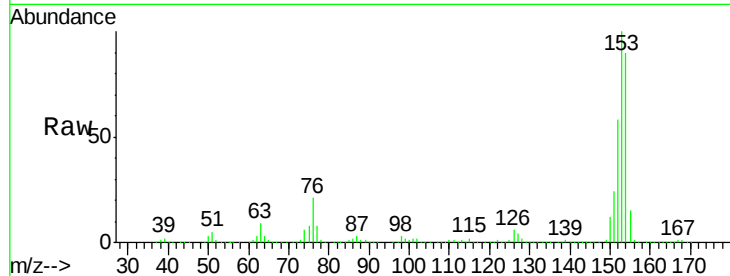
Tgt Ion:153 Resp: 2124329

Ion Ratio Lower Upper

153 100

152 57.5 37.6 56.4#

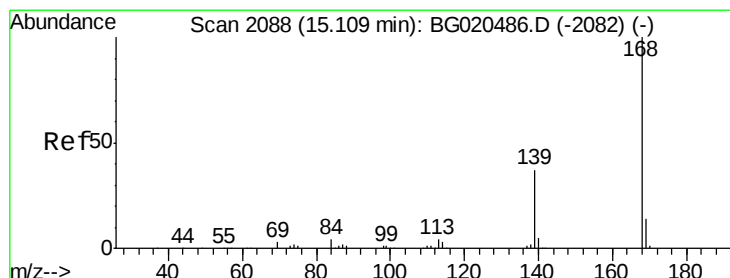
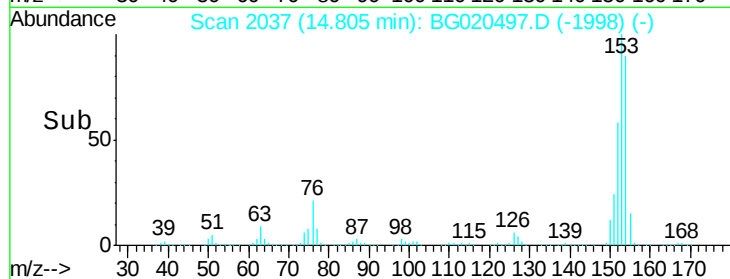
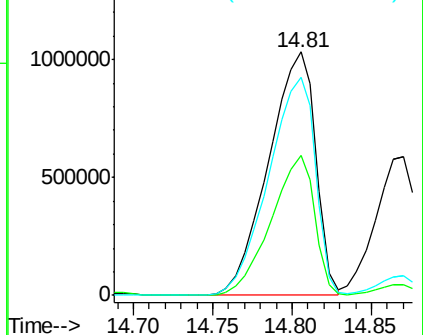
154 89.7 67.9 101.9



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



#54

Dibenzofuran

Concen: 105.56 ng/ul

RT: 15.13 min Scan# 2092

Delta R.T. 0.02 min

Lab File: BG020497.D

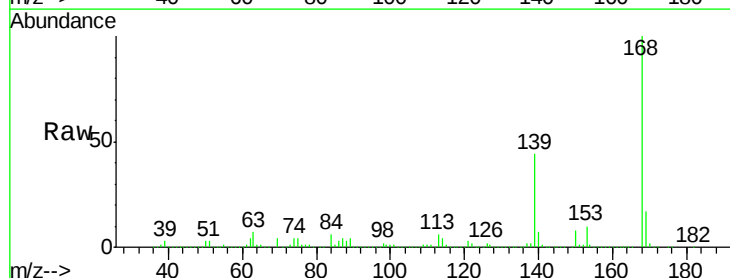
Acq: 25 Dec 2015 7:02

Tgt Ion:168 Resp: 1788796

Ion Ratio Lower Upper

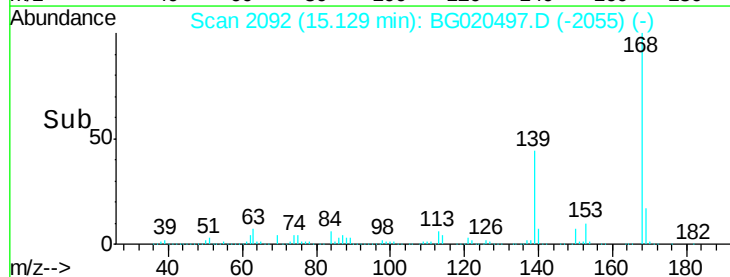
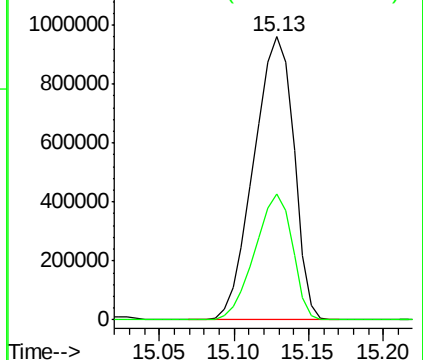
168 100

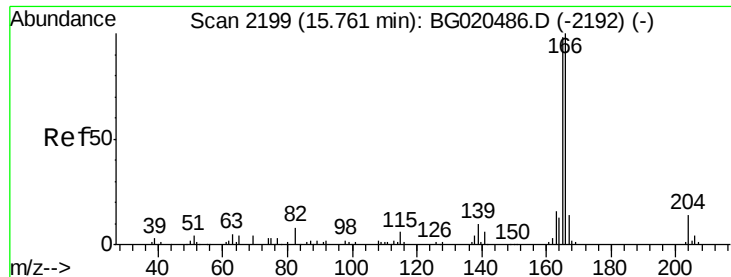
139 44.4 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 95.93 ng/ul

RT: 15.77 min Scan# 2202

Delta R.T. 0.01 min

Lab File: BG020497.D

Acq: 25 Dec 2015 7:02

Instrument :

BNA_G

ClientSampleId :

D9N51

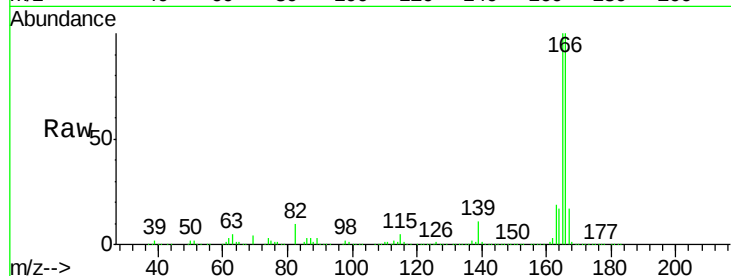
Tgt Ion:166 Resp: 1317373

Ion Ratio Lower Upper

166 100

165 100.0 81.4 122.0

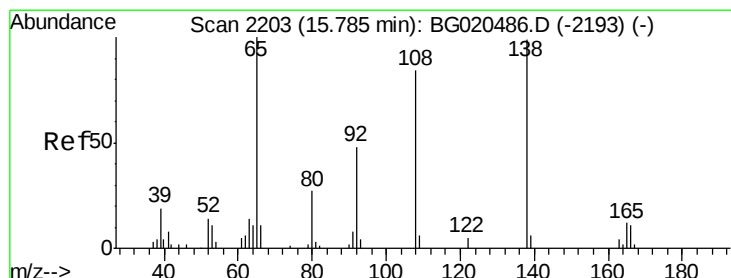
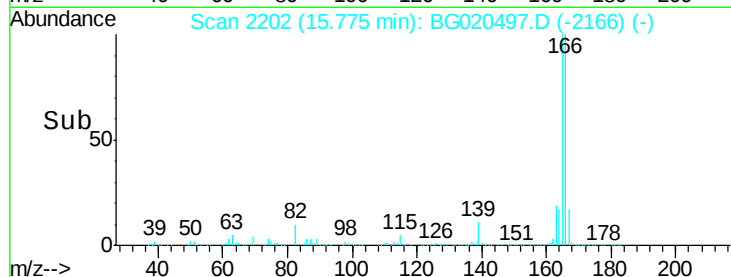
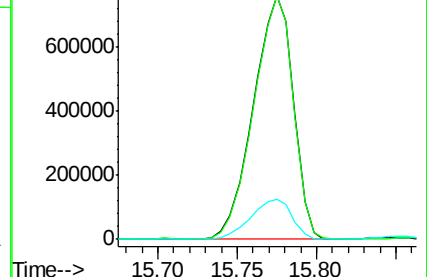
167 16.6 11.2 16.8



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-Nitroaniline

Concen: 5.99 ng/ul

RT: 15.77 min Scan# 2202

Delta R.T. -0.01 min

Lab File: BG020497.D

Acq: 25 Dec 2015 7:02

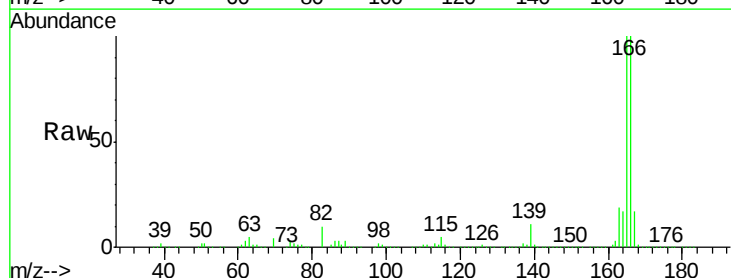
Tgt Ion:138 Resp: 17756

Ion Ratio Lower Upper

138 100

92 1.7 45.2 67.8#

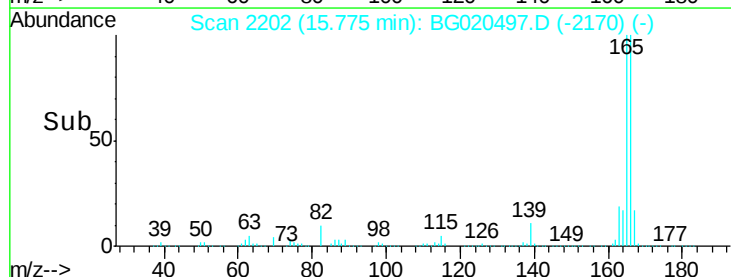
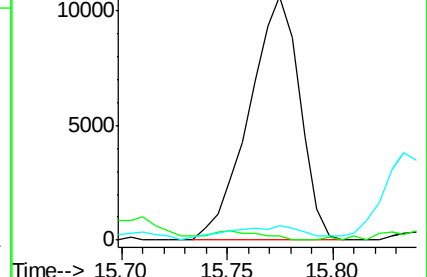
108 5.9 75.4 113.0#

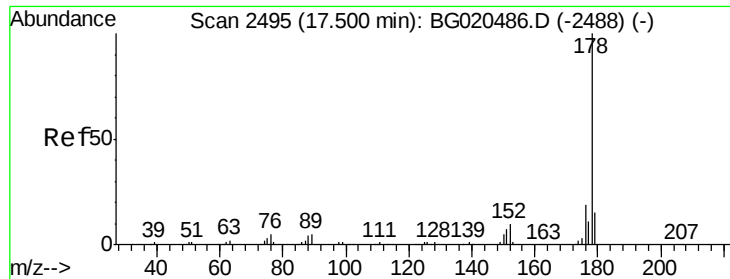


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E





#70

Phenanthrene

Concen: 5.99 ng/ul

RT: 17.60 min Scan# 2512

Delta R.T. 0.10 min

Lab File: BG020497.D

Acq: 25 Dec 2015 7:02

Instrument :

BNA_G

ClientSampled :

D9N51

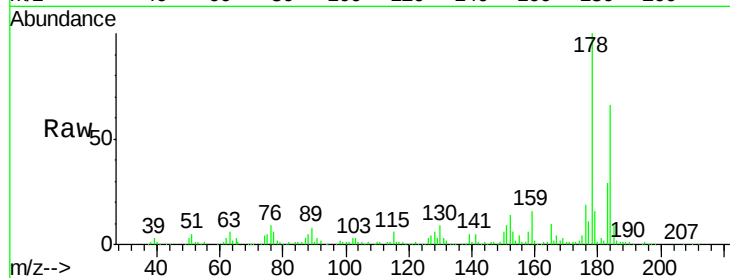
Tgt Ion:178 Resp: 126650

Ion Ratio Lower Upper

178 100

179 16.2 12.9 19.3

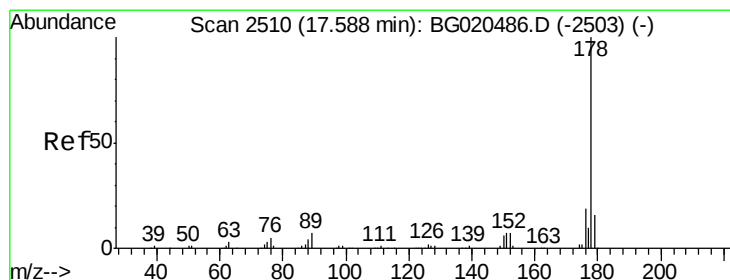
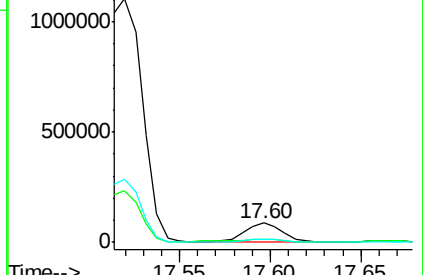
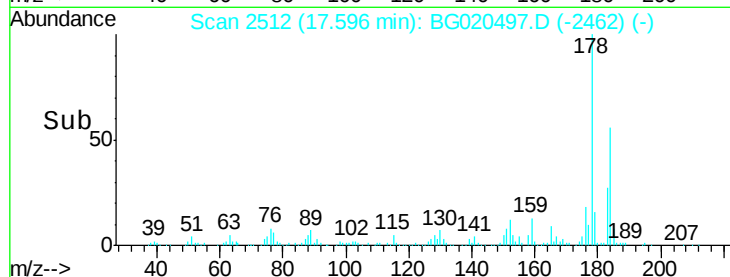
176 18.5 15.3 22.9



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



#72

Anthracene

Concen: 6.01 ng/ul

RT: 17.60 min Scan# 2512

Delta R.T. 0.01 min

Lab File: BG020497.D

Acq: 25 Dec 2015 7:02

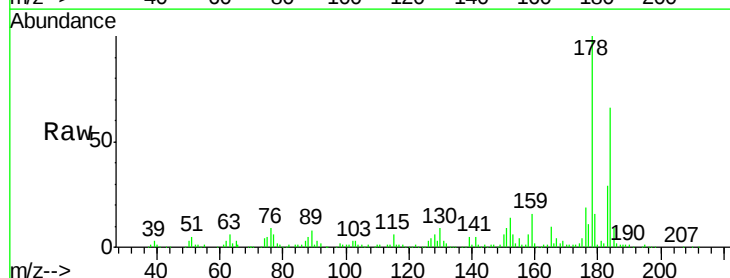
Tgt Ion:178 Resp: 129881

Ion Ratio Lower Upper

178 100

179 16.2 12.3 18.5

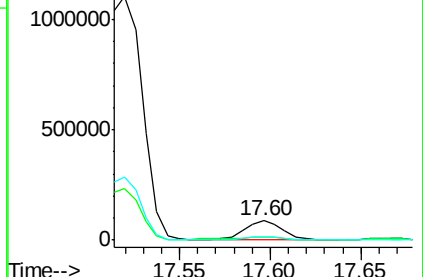
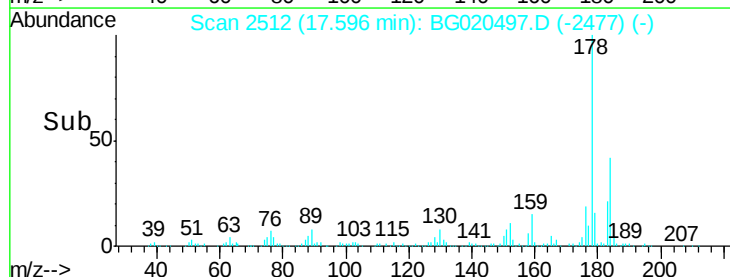
176 18.5 14.3 21.5

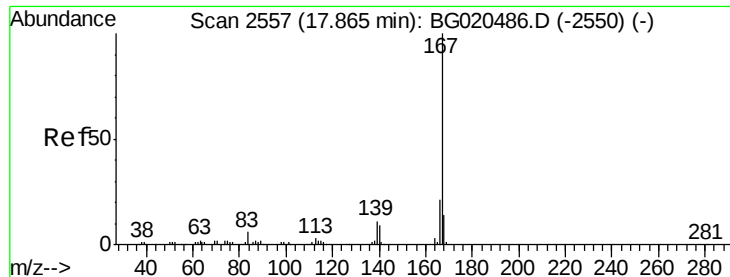


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 141.47 ng/ul

RT: 17.90 min Scan# 2563

Delta R.T. 0.03 min

Lab File: BG020497.D

Acq: 25 Dec 2015 7:02

Instrument :

BNA_G

ClientSampleId :

D9N51

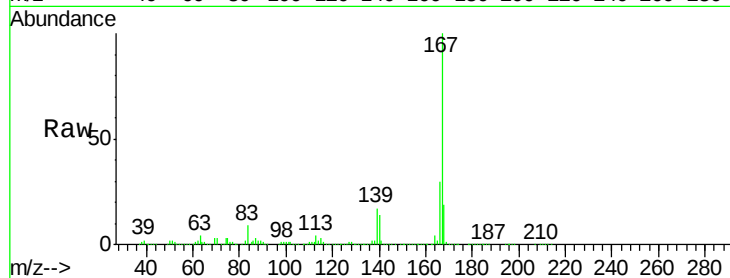
Tgt Ion:167 Resp: 2577521

Ion Ratio Lower Upper

167 100

166 29.6 17.0 25.6#

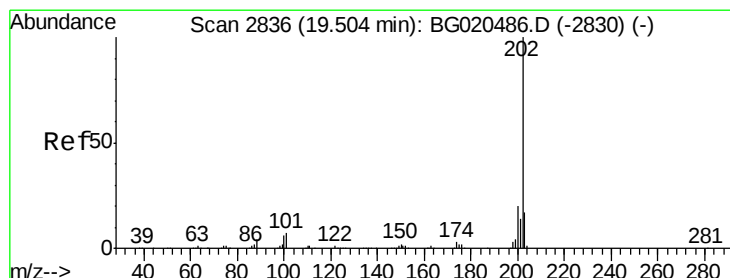
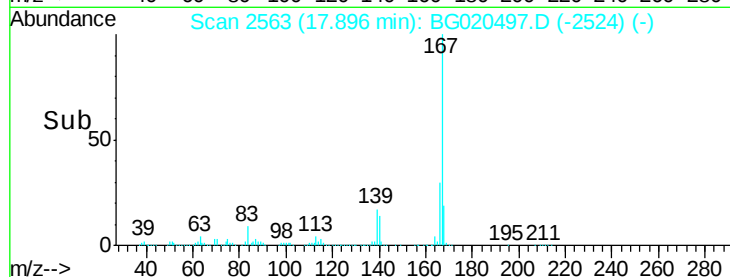
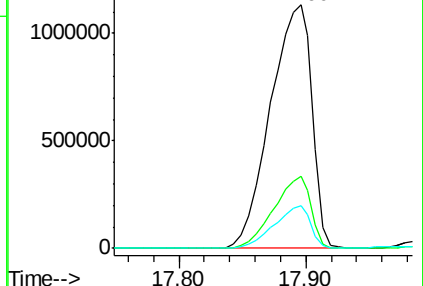
139 17.4 10.1 15.1#



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



#77

Fluoranthene

Concen: 13.70 ng/ul

RT: 19.51 min Scan# 2838

Delta R.T. 0.01 min

Lab File: BG020497.D

Acq: 25 Dec 2015 7:02

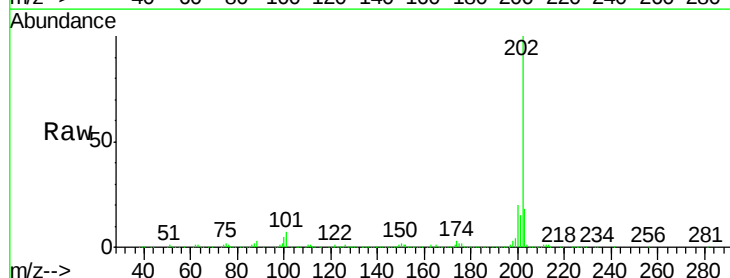
Tgt Ion:202 Resp: 364316

Ion Ratio Lower Upper

202 100

101 6.9 6.2 9.4

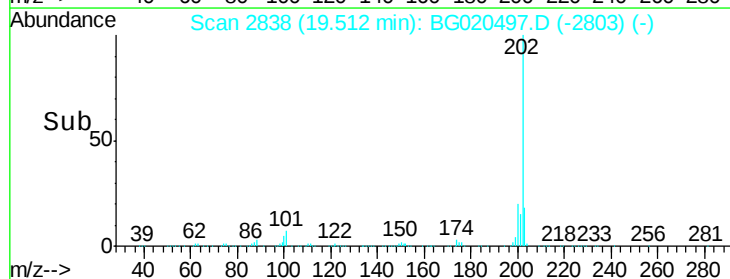
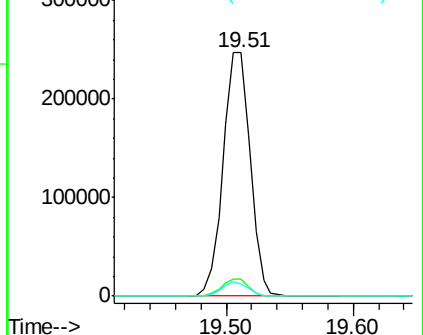
100 5.1 5.1 7.7#

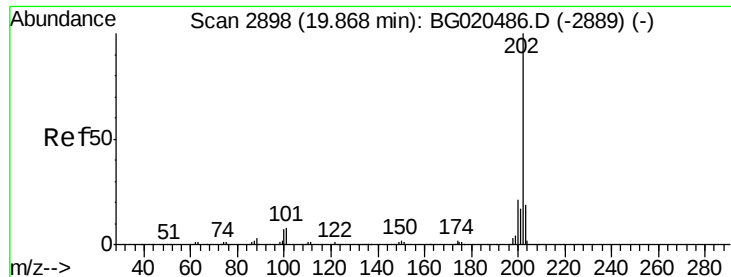


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

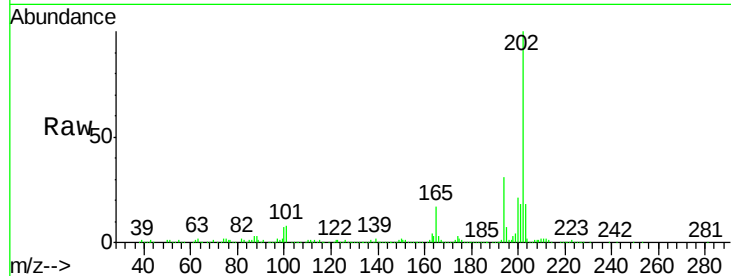




#80
 Pyrene
 Concen: 7.61 ng/ul
 RT: 19.87 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: BG020497.D
 Acq: 25 Dec 2015 7:02

Instrument :
 BNA_G
 ClientSampleId :
 D9N51

Tgt Ion:	202	Resp:	210684
Ion Ratio	Lower	Upper	
202	100		
101	8.0	7.0	10.4
100	6.9	6.4	9.6



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

