

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110515\
 Data File : BG019487.D
 Acq On : 5 Nov 2015 11:37
 Operator : UM/NP
 Sample : G4273-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AN6

Quant Time: Nov 06 02:13:41 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Nov 06 02:11:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	30014	20.00	ng/ul	0.00
18) Naphthalene-d8	11.01	136	128098	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.81	164	107798	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.55	188	305951	20.00	ng/ul	0.00
78) Chrysene-d12	21.82	240	410917	20.00	ng/ul	0.00
86) Perylene-d12	25.17	264	388146	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	3554	5.67	ng/uL	0.00
5) Phenol-d5	7.32	99	95651	34.72	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.49	67	62417	35.74	ng/ul	0.00
9) 2-Chlorophenol-d4	7.70	132	57474	33.42	ng/ul	0.00
13) 4-Methylphenol-d8	8.89	113	78576	35.81	ng/ul	0.00
19) Nitrobenzene-d5	9.35	128	31168	33.11	ng/ul	0.00
22) 2-Nitrophenol-d4	10.08	143	37746	33.77	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.62	165	80439	33.18	ng/ul	0.00
29) 4-Chloroaniline-d4	11.14	131	90313	36.82	ng/ul	0.00
44) Dimethylphthalate-d6	14.20	166	299669	33.72	ng/ul	0.00
47) Acenaphthylene-d8	14.50	160	329601	33.49	ng/ul	0.00
52) 4-Nitrophenol-d4	15.00	143	49972	35.39	ng/ul	0.00
58) Fluorene-d10	15.80	176	275032	33.45	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.90	200	57247	28.91	ng/ul	0.00
71) Anthracene-d10	17.65	188	476599	34.17	ng/ul	0.00
79) Pyrene-d10	19.92	212	578767	32.19	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.94	264	666947	34.24	ng/ul	0.00

Target Compounds

					Qvalue
6) Phenol	7.35	94	4290	1.46 ng/ul#	92
34) 2-Methylnaphthalene	12.65	142	5862	1.14 ng/ul	83
35) 1-Methylnaphthalene	12.87	142	10028	2.06 ng/ul	98
45) Dimethylphthalate	14.25	163	154973	17.05 ng/ul#	98
46) 2,6-Dinitrotoluene	14.24	165	2070	1.13 ng/ul#	38
50) Acenaphthene	14.87	153	96402	14.16 ng/ul	99
54) Dibenzofuran	15.20	168	63851	6.37 ng/ul	100
59) Fluorene	15.85	166	105523	12.06 ng/ul	99
61) 4-Nitroaniline	15.85	138	1925	1.06 ng/ul#	1
70) Phenanthrene	17.59	178	399879	25.90 ng/ul	97
72) Anthracene	17.68	178	145658	9.25 ng/ul	98
75) Carbazole	17.95	167	13667	1.09 ng/ul#	76
77) Fluoranthene	19.59	202	526908	26.36 ng/ul#	95
80) Pyrene	19.95	202	365990	15.87 ng/ul#	91
83) Benzo(a)anthracene	21.81	228	185450	7.75 ng/ul	97
84) Bis(2-ethylhexyl)phthalate	21.69	149	15055	1.41 ng/ul#	93
85) Chrysene	21.88	228	148585	6.62 ng/ul	97
88) Benzo(b)fluoranthene	24.10	252	138126	6.03 ng/ul#	97
89) Benzo(k)fluoranthene	24.10	252	138126	6.27 ng/ul	97
91) Benzo(a)pyrene	25.01	252	108750	4.94 ng/ul#	97
92) Indeno(1,2,3-cd)pyrene	29.00	276	33597	1.36 ng/ul#	94
94) Benzo(g,h,i)perylene	30.19	276	40694	2.16 ng/ul#	91

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Instrument :
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Quant Title : SVOA CALIBRATION
QLast Update : Fri Nov 06 02:11:58 2015
Response via : Initial Calibration

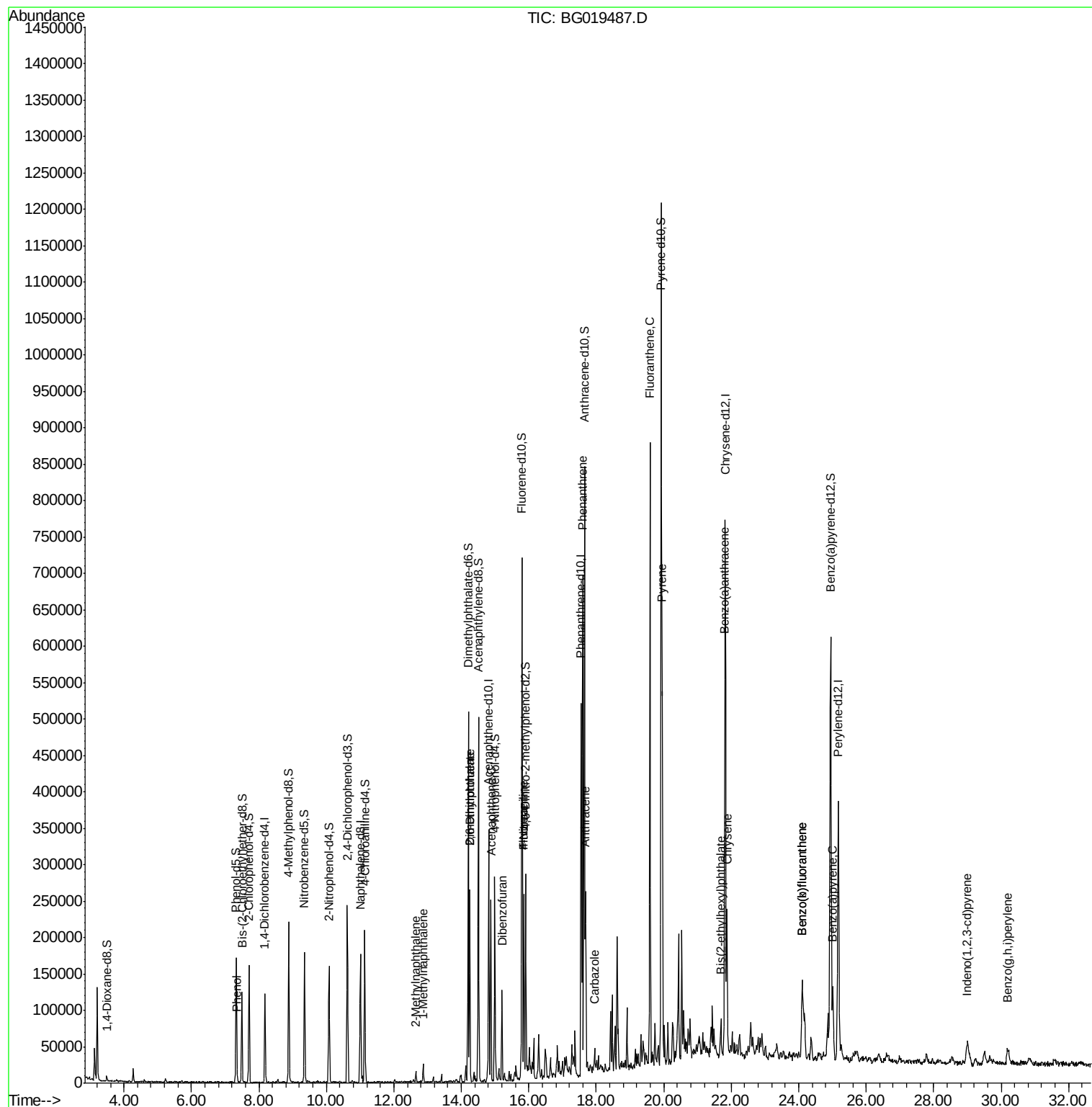
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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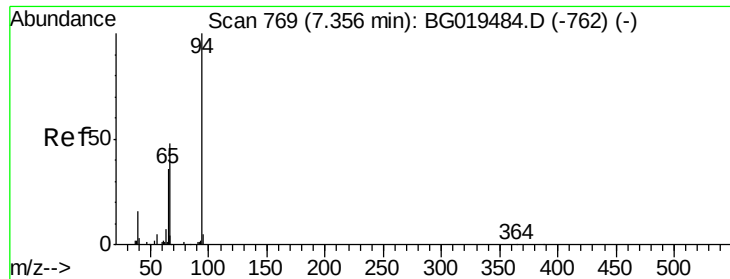
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.46 ng/ul

RT: 7.35 min Scan# 768

Delta R.T. -0.00 min

Lab File: BG019487.D

Acq: 5 Nov 2015 11:37

Instrument :

BNA_G

ClientSampleId :

C0AN6

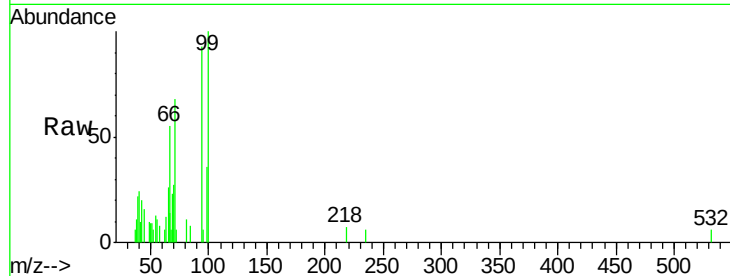
Tgt Ion: 94 Resp: 4290

Ion Ratio Lower Upper

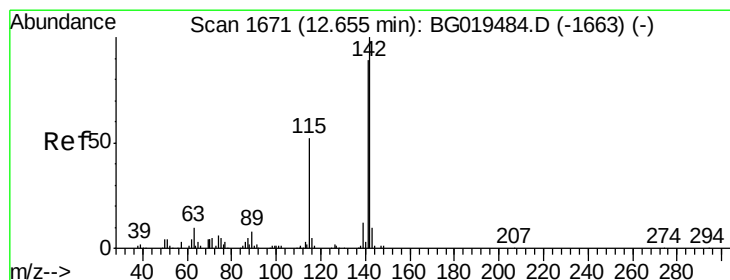
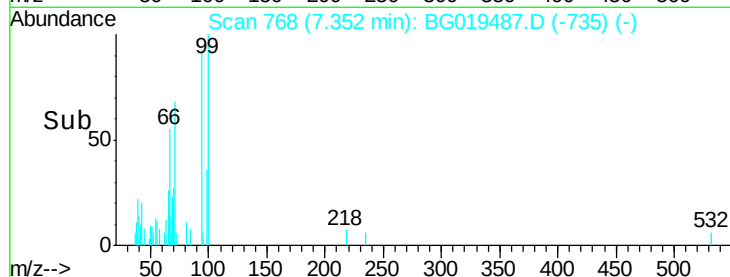
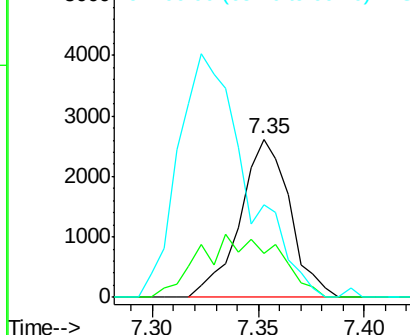
94 100

65 27.7 29.3 43.9#

66 58.7 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



#34

2-Methylnaphthalene

Concen: 1.14 ng/ul

RT: 12.65 min Scan# 1670

Delta R.T. -0.00 min

Lab File: BG019487.D

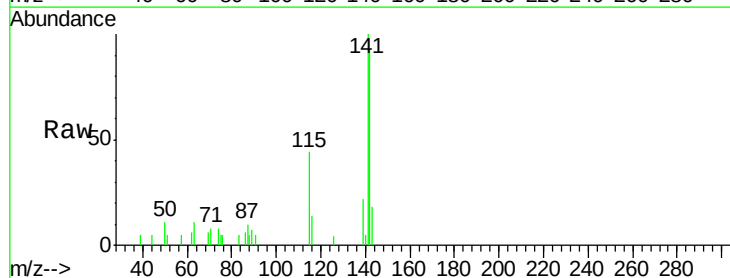
Acq: 5 Nov 2015 11:37

Tgt Ion: 142 Resp: 5862

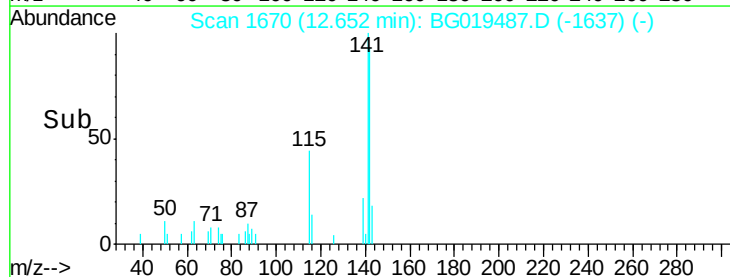
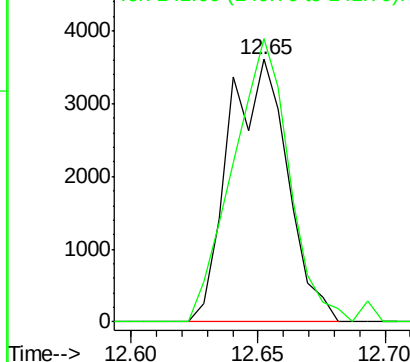
Ion Ratio Lower Upper

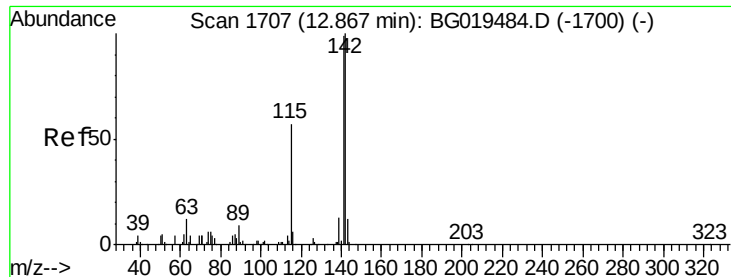
142 100

141 107.9 73.4 110.2



Abundance Ion 142.00 (141.70 to 142.70): BGC
Ion 141.00 (140.70 to 141.70): BGC





#35

1-Methylnaphthalene

Concen: 2.06 ng/ul

RT: 12.87 min Scan# 1707

Delta R.T. 0.00 min

Lab File: BG019487.D

Acq: 5 Nov 2015 11:37

Instrument :

BNA_G

ClientSampleId :

C0AN6

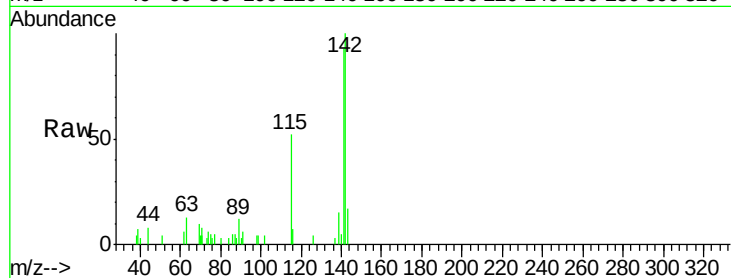
Tgt Ion:142 Resp: 10028

Ion Ratio Lower Upper

142 100

141 93.3 76.5 114.7

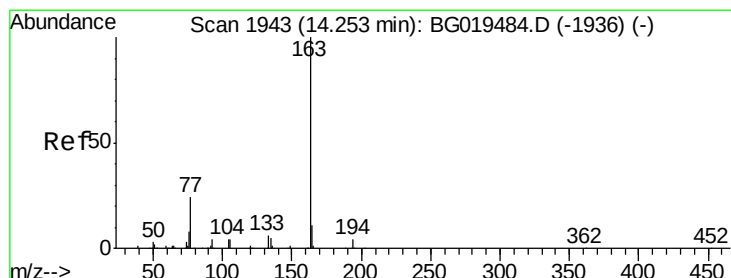
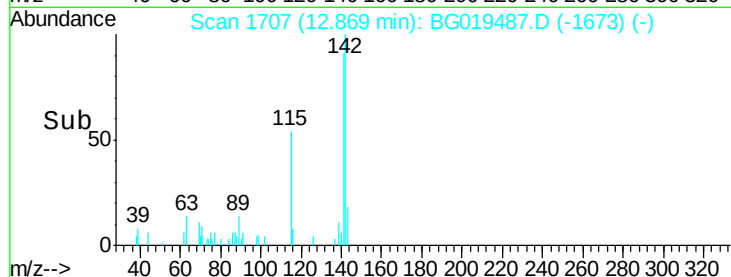
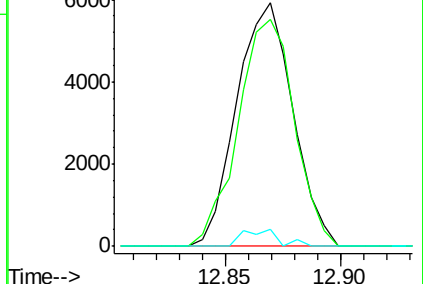
116 7.1 5.4 8.0



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



#45

Dimethylphthalate

Concen: 17.05 ng/ul

RT: 14.25 min Scan# 1942

Delta R.T. -0.00 min

Lab File: BG019487.D

Acq: 5 Nov 2015 11:37

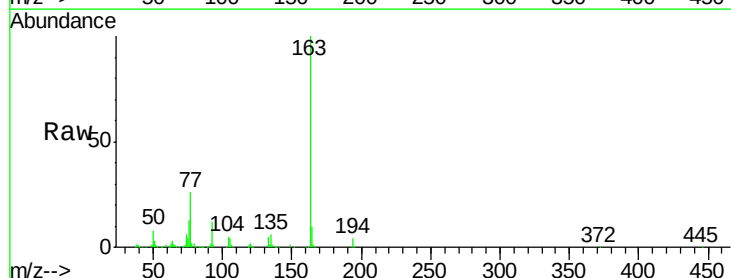
Tgt Ion:163 Resp: 154973

Ion Ratio Lower Upper

163 100

194 4.1 4.3 6.5#

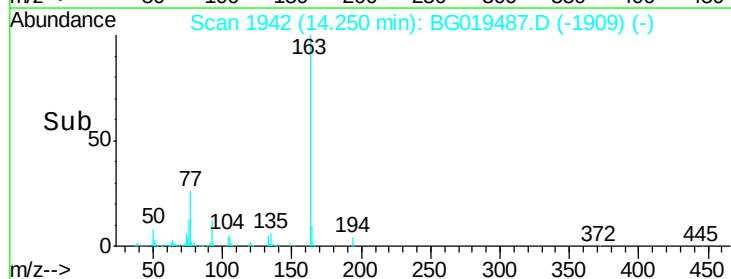
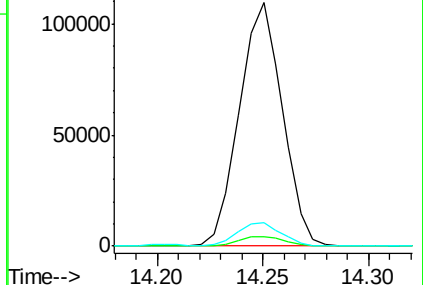
164 9.9 7.5 11.3

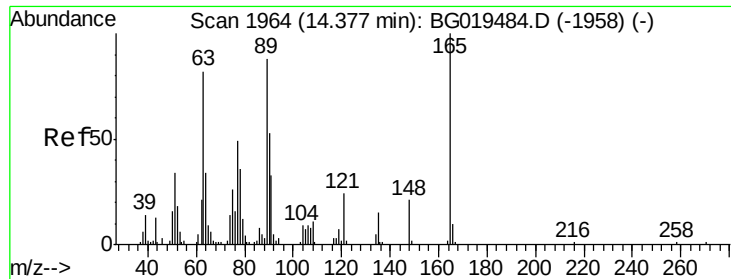


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

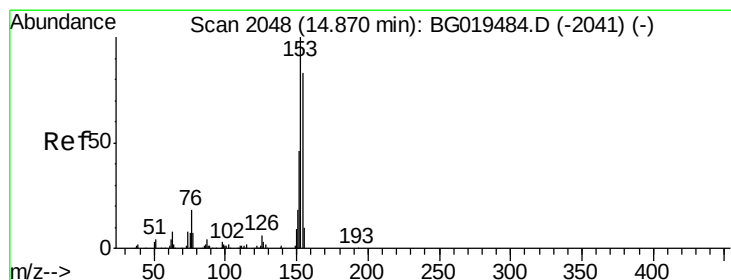
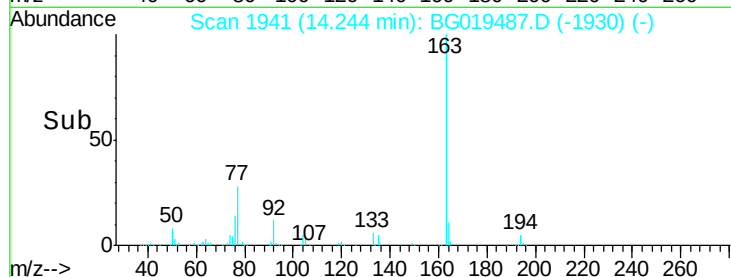
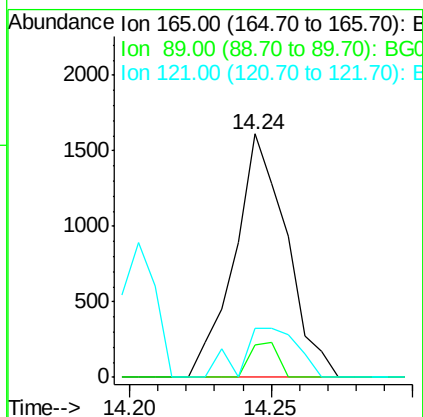
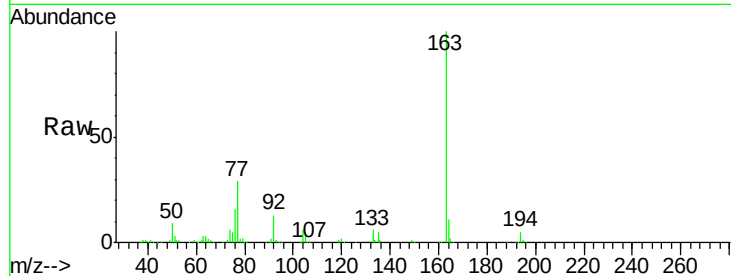




#46
 2,6-Dinitrotoluene
 Concen: 1.13 ng/ul
 RT: 14.24 min Scan# 1941
 Delta R.T. -0.13 min
 Lab File: BG019487.D
 Acq: 5 Nov 2015 11:37

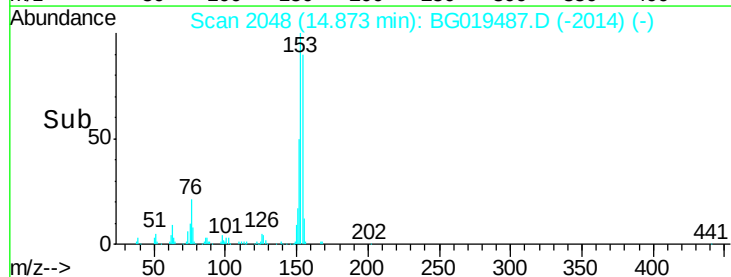
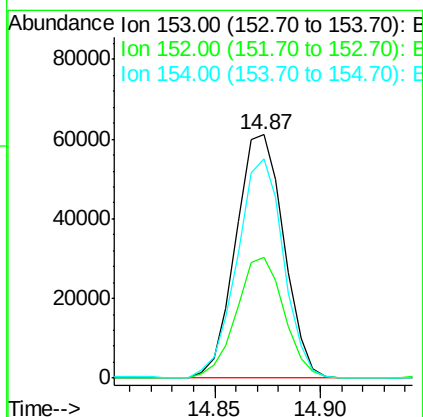
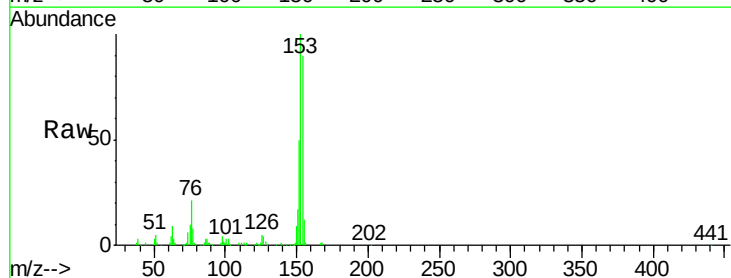
Instrument :
 BNA_G
 ClientSampleId :
 C0AN6

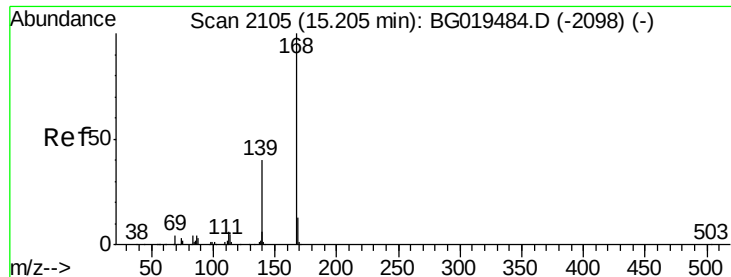
Tgt Ion:165 Resp: 2070
 Ion Ratio Lower Upper
 165 100
 89 13.3 66.7 100.1#
 121 20.4 17.0 25.4



#50
 Acenaphthene
 Concen: 14.16 ng/ul
 RT: 14.87 min Scan# 2048
 Delta R.T. 0.00 min
 Lab File: BG019487.D
 Acq: 5 Nov 2015 11:37

Tgt Ion:153 Resp: 96402
 Ion Ratio Lower Upper
 153 100
 152 49.8 38.8 58.2
 154 90.0 71.5 107.3





#54

Dibenzenofuran

Concen: 6.37 ng/ul

RT: 15.20 min Scan# 2104

Delta R.T. -0.00 min

Lab File: BG019487.D

Acq: 5 Nov 2015 11:37

Instrument :

BNA_G

ClientSampleId :

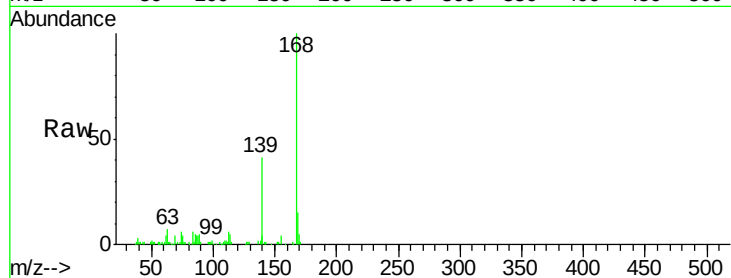
C0AN6

Tgt Ion:168 Resp: 63851

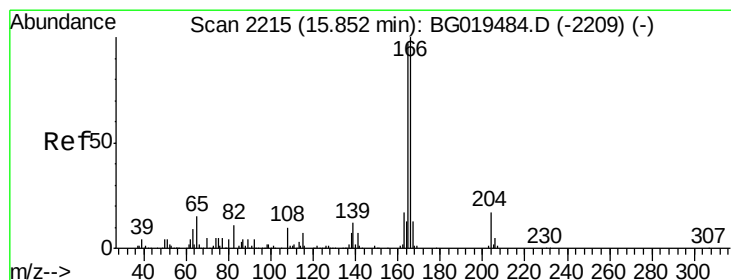
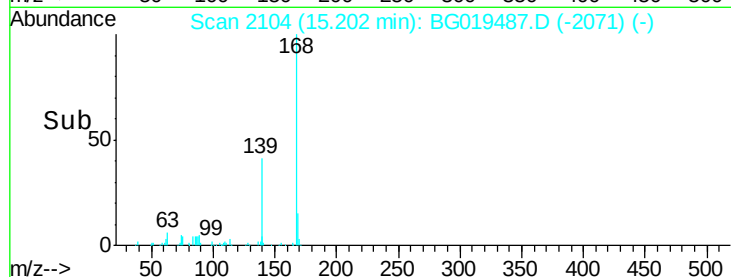
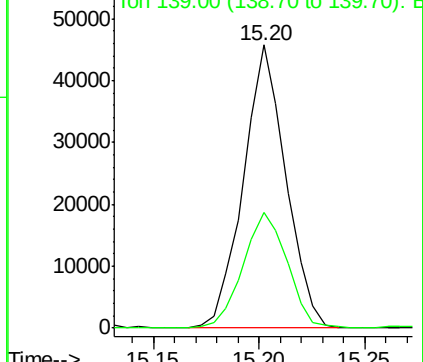
Ion Ratio Lower Upper

168 100

139 40.8 32.4 48.6



Abundance Ion 168.00 (167.70 to 168.70): E



#59

Fluorene

Concen: 12.06 ng/ul

RT: 15.85 min Scan# 2214

Delta R.T. -0.00 min

Lab File: BG019487.D

Acq: 5 Nov 2015 11:37

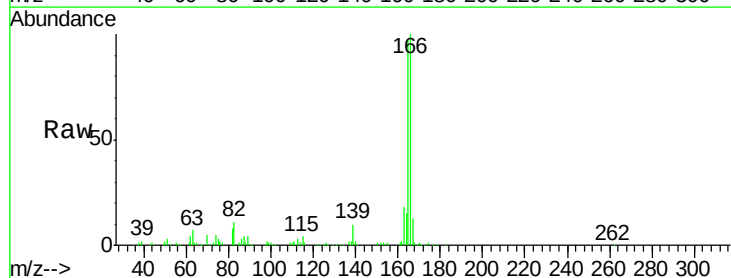
Tgt Ion:166 Resp: 105523

Ion Ratio Lower Upper

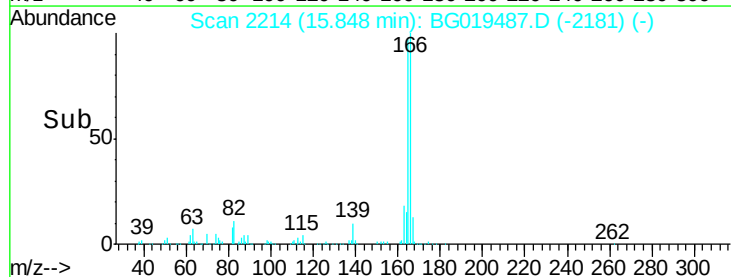
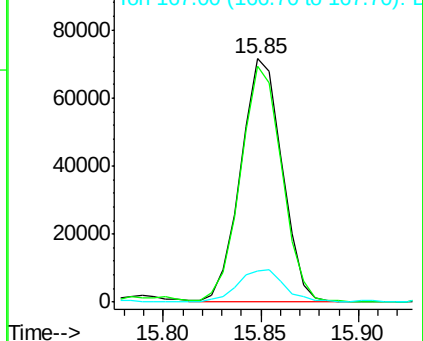
166 100

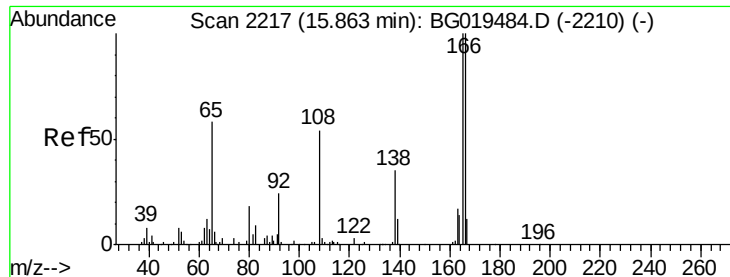
165 96.7 77.6 116.4

167 13.0 9.6 14.4



Abundance Ion 166.00 (165.70 to 166.70): E

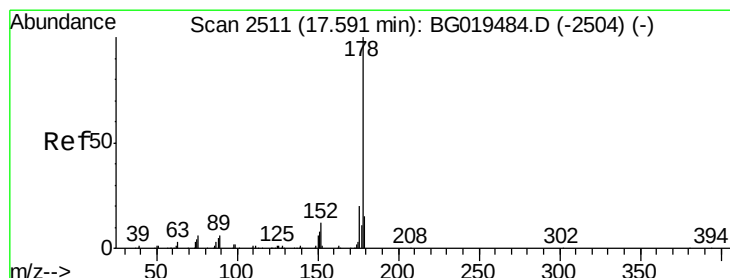
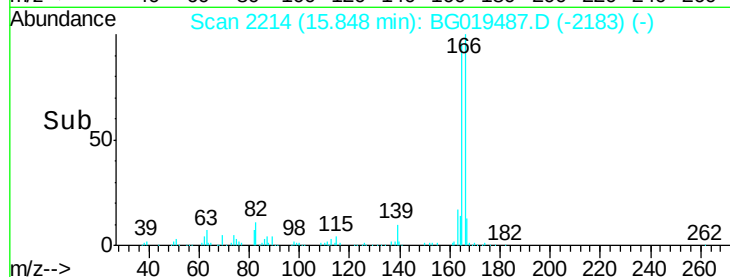
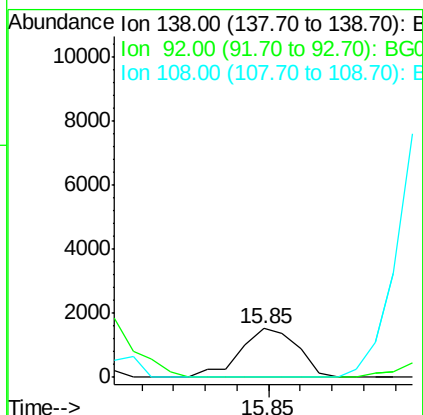
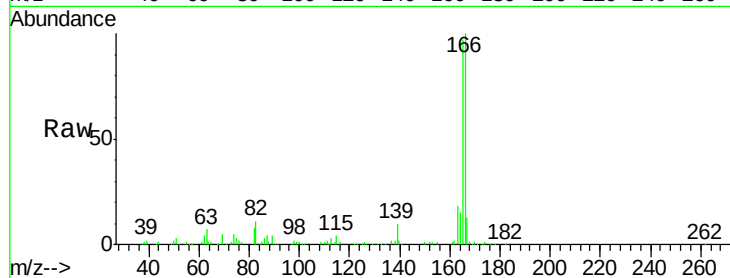




#61
 4-Nitroaniline
 Concen: 1.06 ng/ul
 RT: 15.85 min Scan# 2214
 Delta R.T. -0.01 min
 Lab File: BG019487.D
 Acq: 5 Nov 2015 11:37

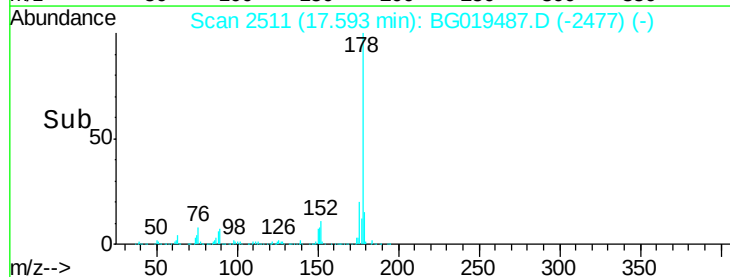
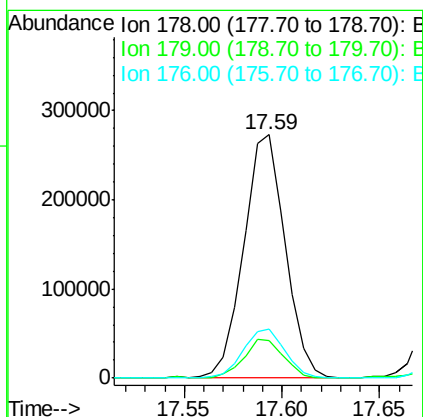
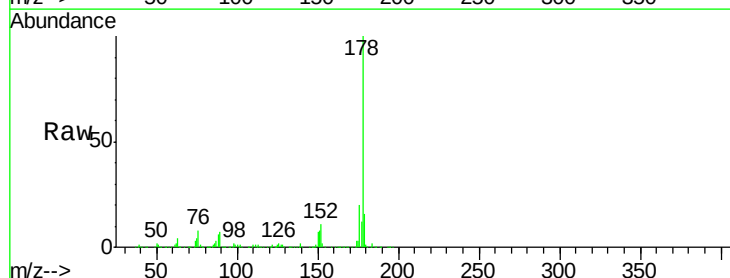
Instrument :
 BNA_G
 ClientSampleId :
 C0AN6

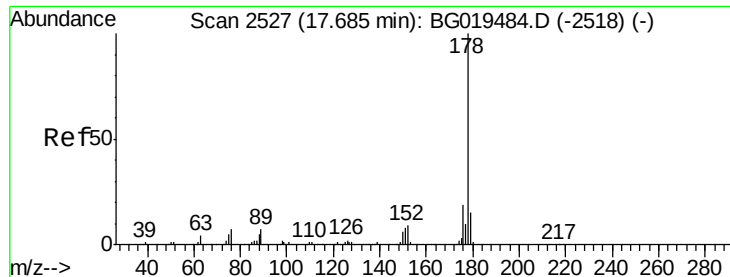
Tgt Ion:138 Resp: 1925
 Ion Ratio Lower Upper
 138 100
 92 0.0 53.9 80.9#
 108 0.0 122.5 183.7#



#70
 Phenanthrene
 Concen: 25.90 ng/ul
 RT: 17.59 min Scan# 2511
 Delta R.T. 0.00 min
 Lab File: BG019487.D
 Acq: 5 Nov 2015 11:37

Tgt Ion:178 Resp: 399879
 Ion Ratio Lower Upper
 178 100
 179 15.6 12.6 18.8
 176 20.1 14.3 21.5





#72

Anthracene

Concen: 9.25 ng/ul

RT: 17.68 min Scan# 2526

Delta R.T. -0.00 min

Lab File: BG019487.D

Acq: 5 Nov 2015 11:37

Instrument :

BNA_G

ClientSampleId :

C0AN6

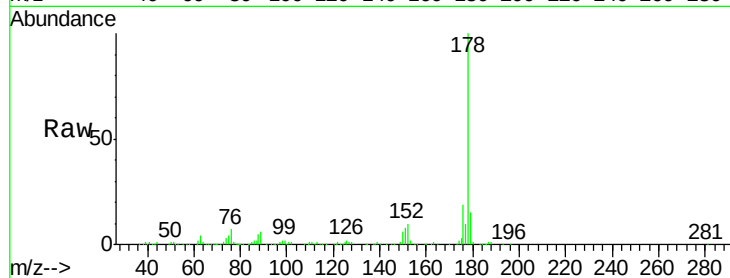
Tgt Ion:178 Resp: 145658

Ion Ratio Lower Upper

178 100

179 14.6 11.6 17.4

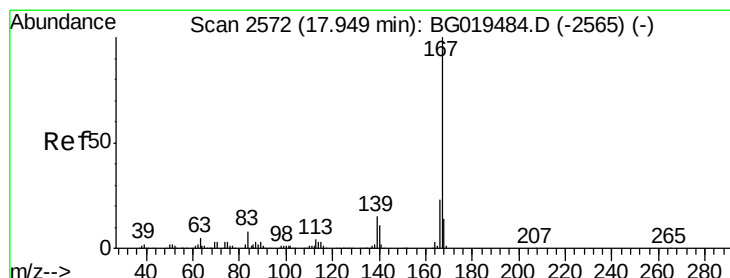
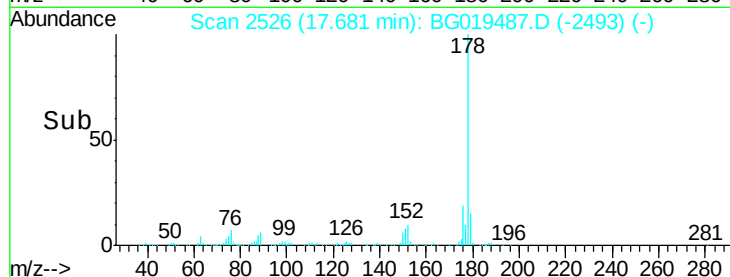
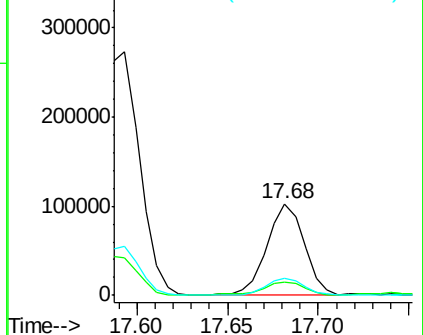
176 19.2 14.2 21.4



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



#75

Carbazole

Concen: 1.09 ng/ul

RT: 17.95 min Scan# 2571

Delta R.T. -0.00 min

Lab File: BG019487.D

Acq: 5 Nov 2015 11:37

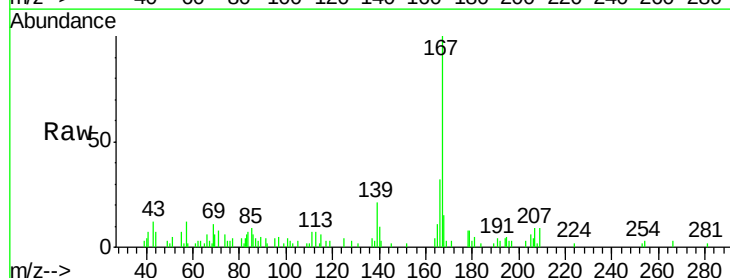
Tgt Ion:167 Resp: 13667

Ion Ratio Lower Upper

167 100

166 32.3 16.8 25.2#

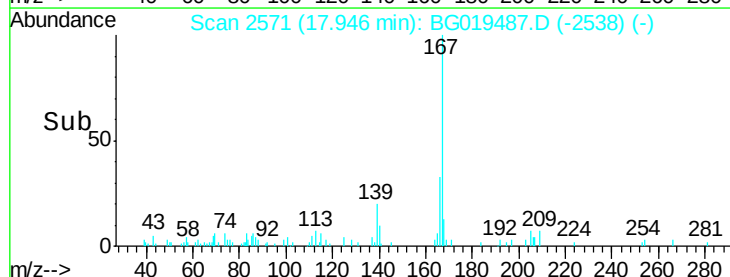
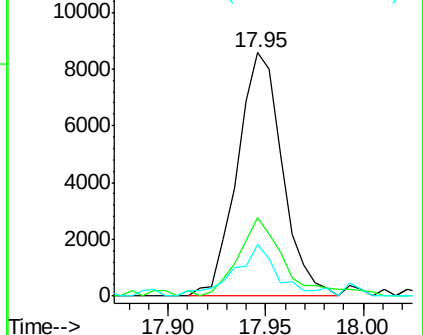
139 21.0 9.8 14.6#

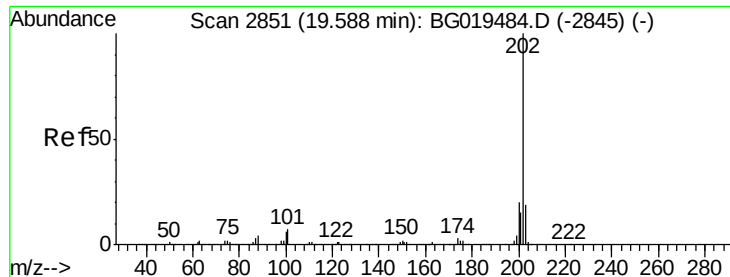


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

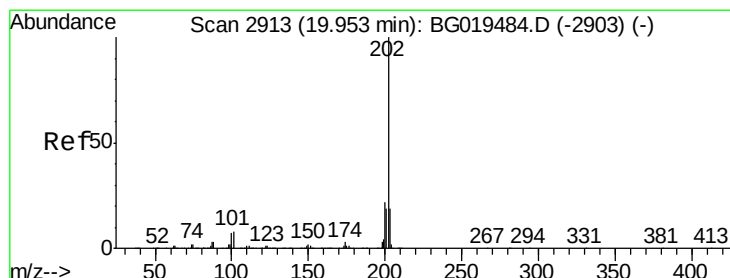
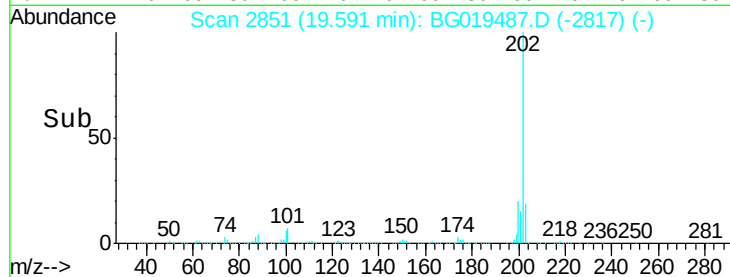
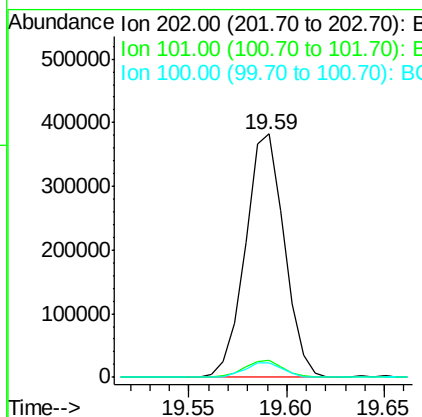
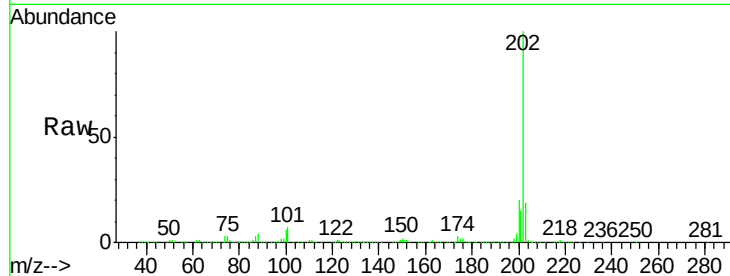




#77
 Fluoranthene
 Concen: 26.36 ng/ul
 RT: 19.59 min Scan# 2851
 Delta R.T. 0.00 min
 Lab File: BG019487.D
 Acq: 5 Nov 2015 11:37

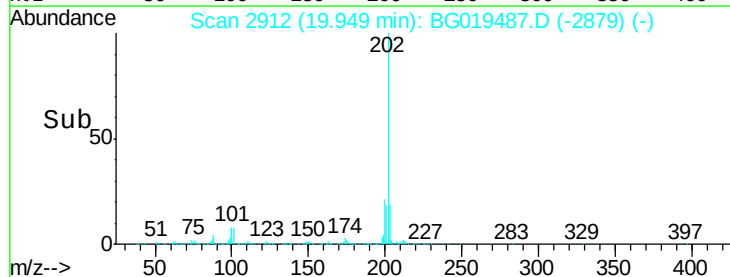
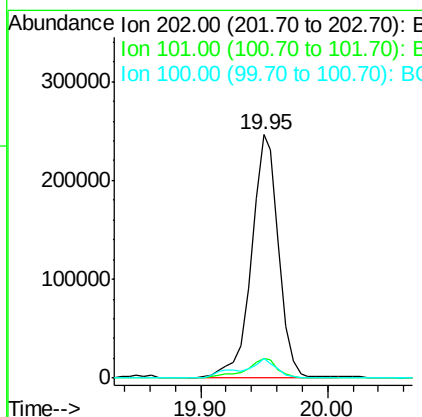
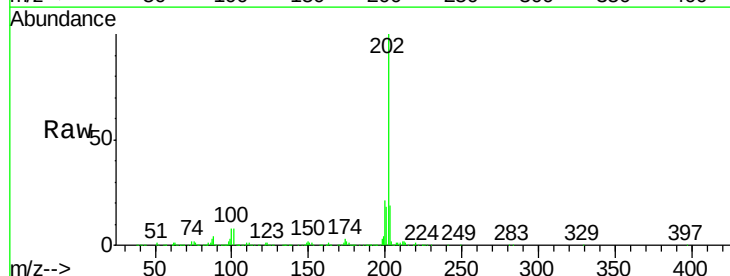
Instrument :
 BNA_G
 ClientSampleId :
 C0AN6

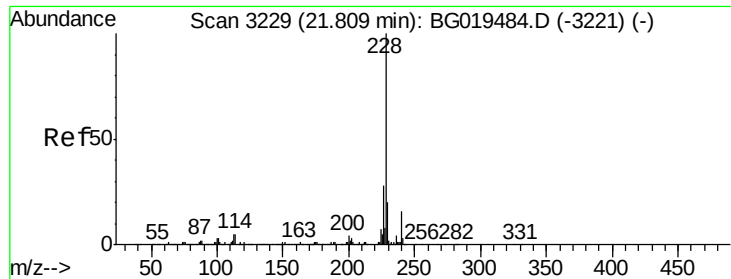
Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.9	4.0	6.0#
100	5.7	3.6	5.4#



#80
 Pyrene
 Concen: 15.87 ng/ul
 RT: 19.95 min Scan# 2912
 Delta R.T. -0.00 min
 Lab File: BG019487.D
 Acq: 5 Nov 2015 11:37

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.3	4.3	6.5#
100	7.9	3.6	5.4#





#83

Benzo(a)anthracene

Concen: 7.75 ng/ul

RT: 21.81 min Scan# 3228

Delta R.T. -0.00 min

Lab File: BG019487.D

Acq: 5 Nov 2015 11:37

Instrument :

BNA_G

ClientSampleId :

C0AN6

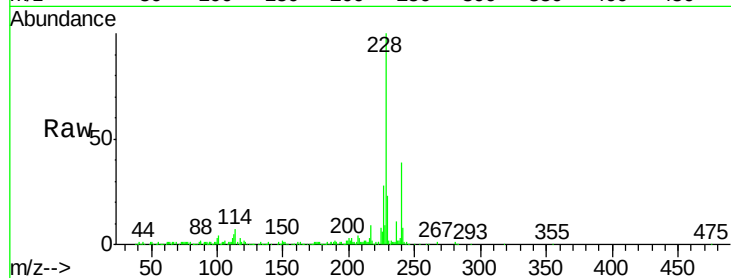
Tgt Ion:228 Resp: 185450

Ion Ratio Lower Upper

228 100

229 22.6 15.8 23.8

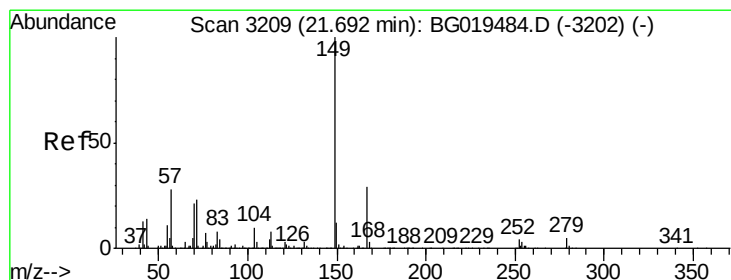
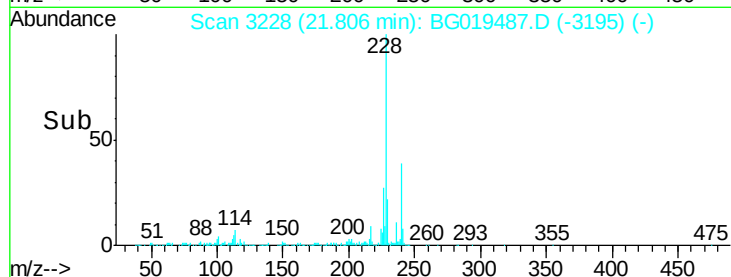
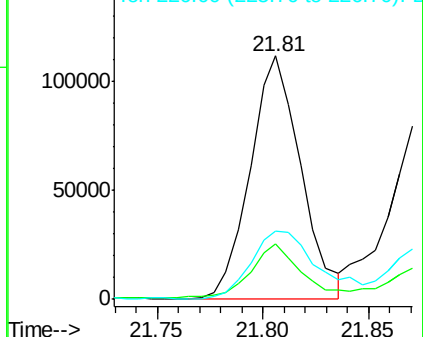
226 27.8 21.8 32.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 1.41 ng/ul

RT: 21.69 min Scan# 3208

Delta R.T. -0.00 min

Lab File: BG019487.D

Acq: 5 Nov 2015 11:37

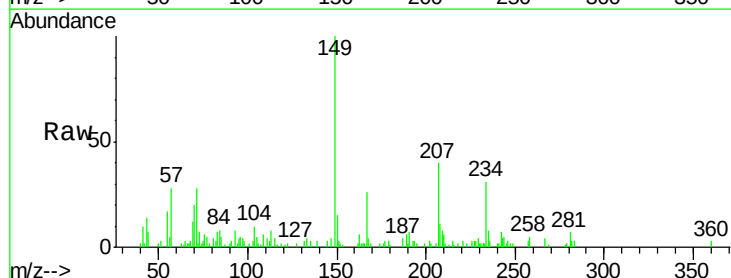
Tgt Ion:149 Resp: 15055

Ion Ratio Lower Upper

149 100

167 25.9 23.2 34.8

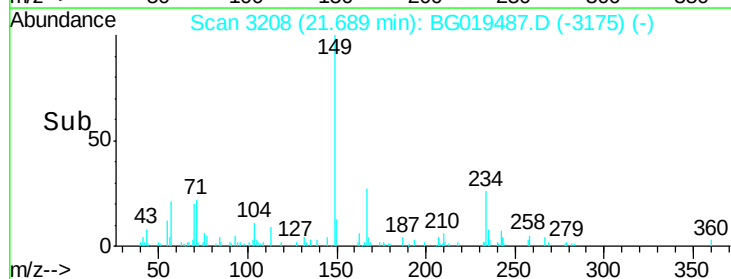
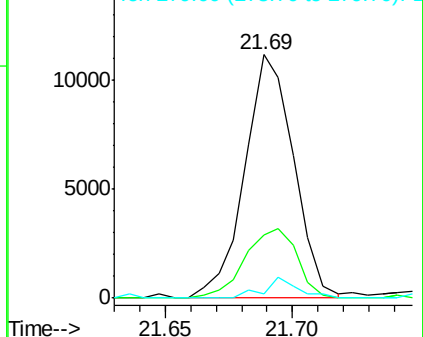
279 1.9 5.0 7.4#

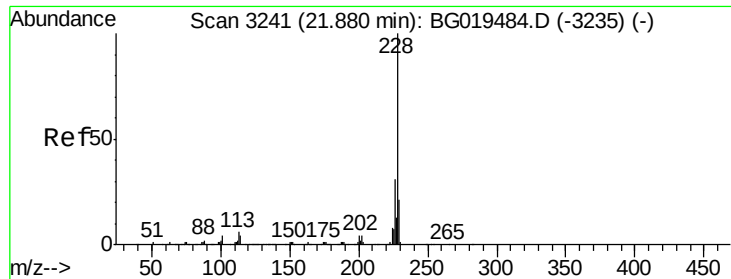


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Chrysene

Concen: 6.62 ng/ul

RT: 21.88 min Scan# 3240

Delta R.T. -0.00 min

Lab File: BG019487.D

Acq: 5 Nov 2015 11:37

Instrument :

BNA_G

ClientSampleId :

C0AN6

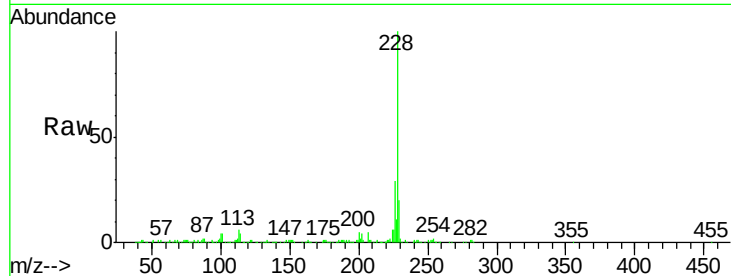
Tgt Ion:228 Resp: 148585

Ion Ratio Lower Upper

228 100

226 29.0 24.6 36.8

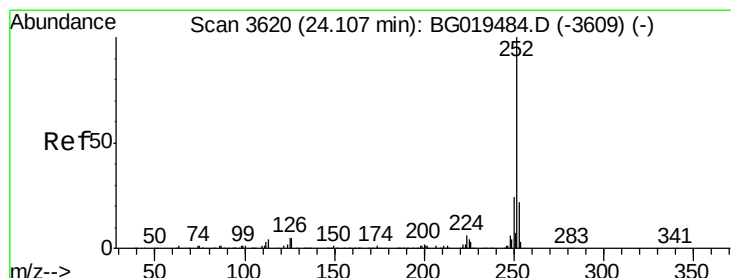
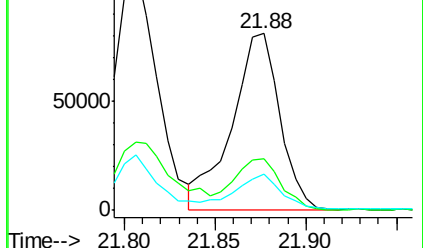
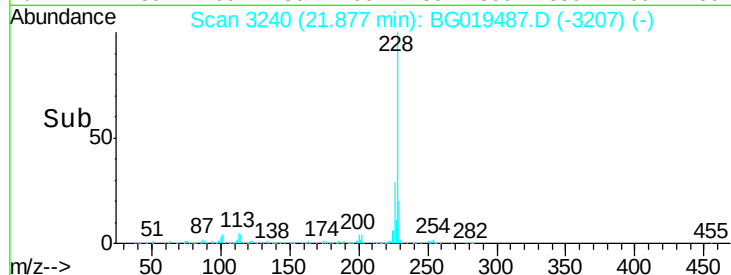
229 20.5 17.3 25.9



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



#88

Benzo(b)fluoranthene

Concen: 6.03 ng/ul

RT: 24.10 min Scan# 3619

Delta R.T. -0.00 min

Lab File: BG019487.D

Acq: 5 Nov 2015 11:37

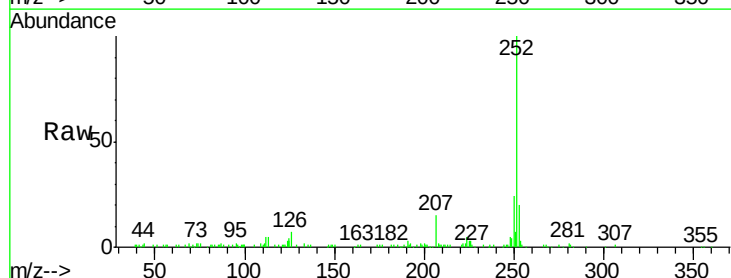
Tgt Ion:252 Resp: 138126

Ion Ratio Lower Upper

252 100

253 20.0 17.1 25.7

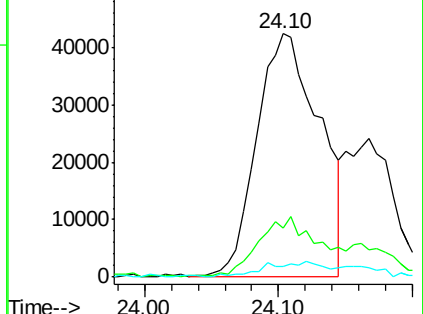
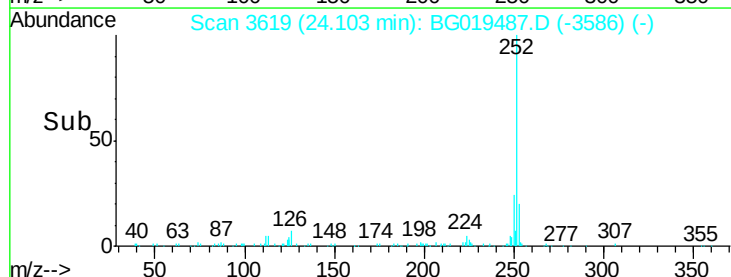
125 4.4 2.5 3.7#

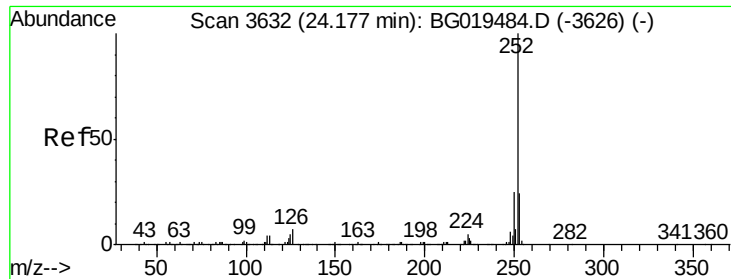


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

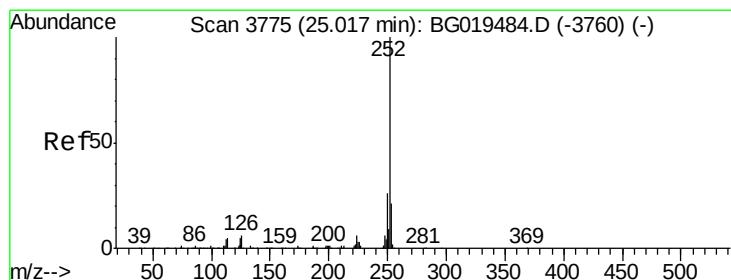
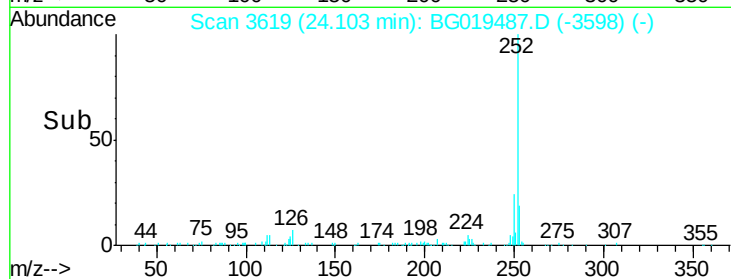
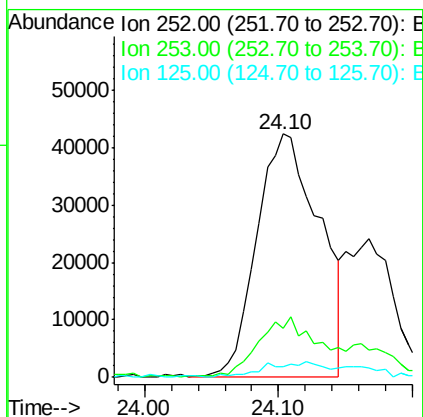
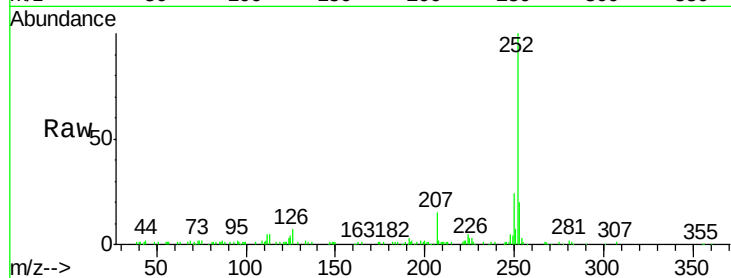




#89
Benzo(k)fluoranthene
Concen: 6.27 ng/ul
RT: 24.10 min Scan# 3619
Delta R.T. -0.07 min
Lab File: BG019487.D
Acq: 5 Nov 2015 11:37

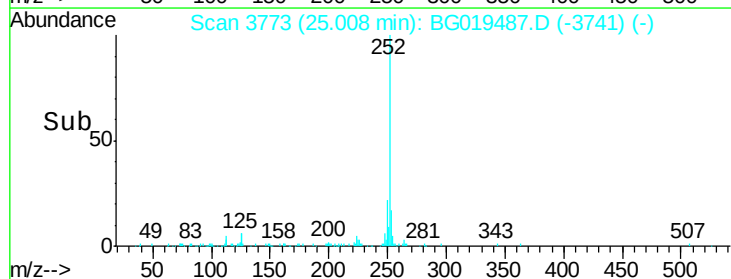
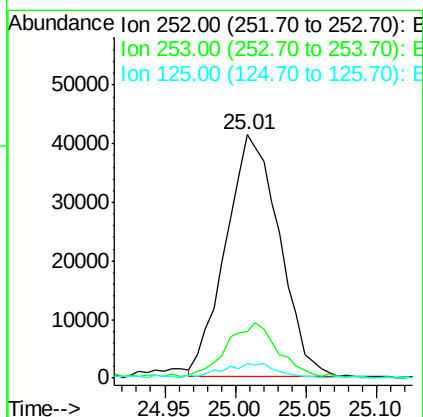
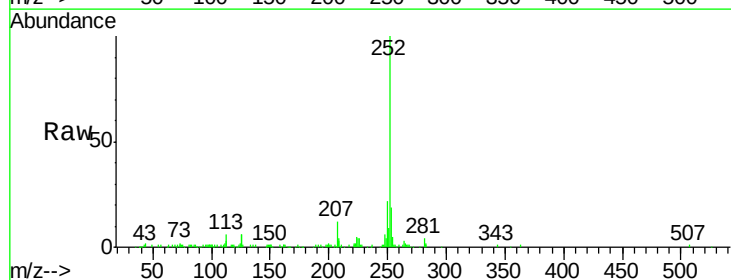
Instrument :
BNA_G
ClientSampleId :
C0AN6

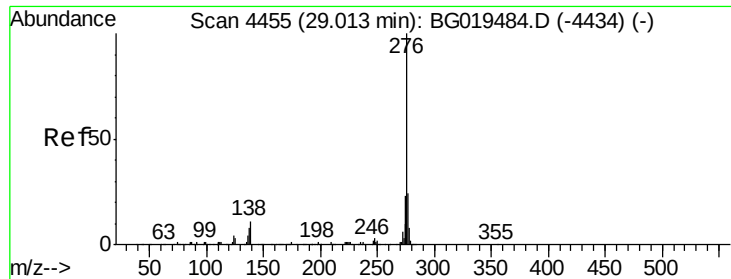
Tgt Ion:252 Resp: 138126
Ion Ratio Lower Upper
252 100
253 20.0 17.2 25.8
125 4.4 3.1 4.7



#91
Benzo(a)pyrene
Concen: 4.94 ng/ul
RT: 25.01 min Scan# 3773
Delta R.T. -0.01 min
Lab File: BG019487.D
Acq: 5 Nov 2015 11:37

Tgt Ion:252 Resp: 108750
Ion Ratio Lower Upper
252 100
253 19.2 16.0 24.0
125 6.2 3.3 4.9#





#92

Indeno(1,2,3-cd)pyrene

Concen: 1.36 ng/ul

RT: 29.00 min Scan# 4452

Delta R.T. -0.01 min

Lab File: BG019487.D

Acq: 5 Nov 2015 11:37

Instrument :

BNA_G

ClientSampleId :

C0AN6

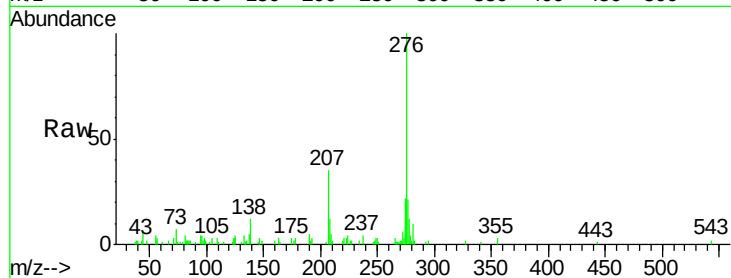
Tgt Ion:276 Resp: 33597

Ion Ratio Lower Upper

276 100

138 12.4 6.2 9.4#

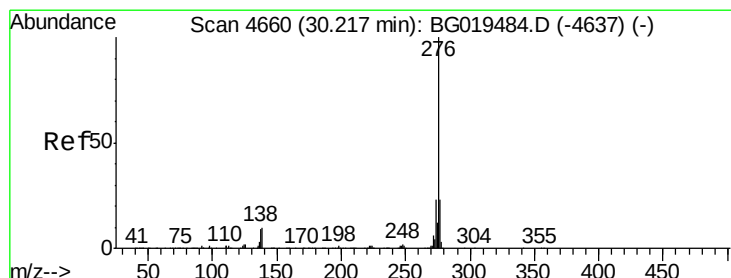
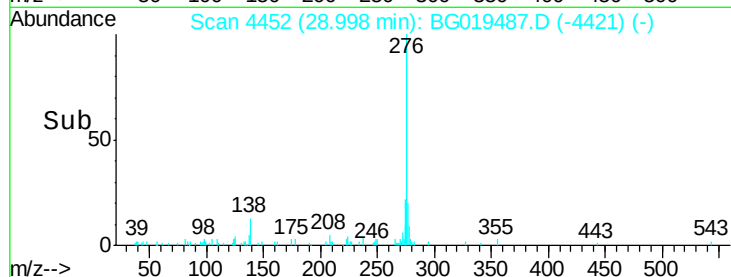
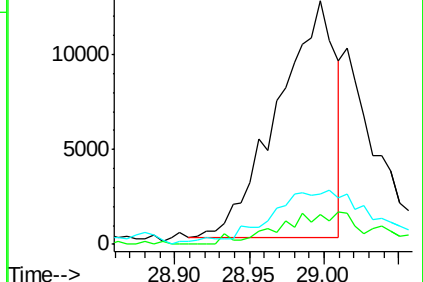
277 20.6 17.9 26.9



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



#94

Benzo(g,h,i)perylene

Concen: 2.16 ng/ul

RT: 30.19 min Scan# 4655

Delta R.T. -0.03 min

Lab File: BG019487.D

Acq: 5 Nov 2015 11:37

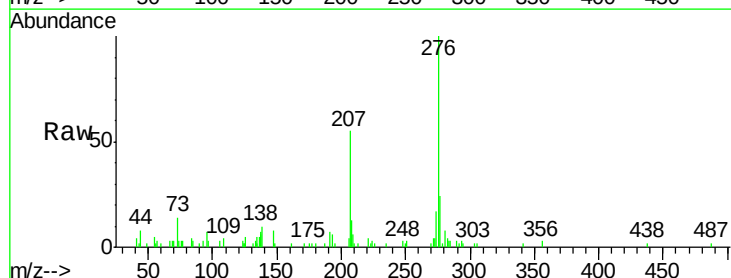
Tgt Ion:276 Resp: 40694

Ion Ratio Lower Upper

276 100

138 10.4 5.6 8.4#

277 24.2 16.0 24.0#



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

