

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121016\
 Data File : BG025102.D
 Acq On : 11 Dec 2016 13:34
 Operator : UM/SJ
 Sample : H5905-06MSD
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 12 06:41:01 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 12 06:35:19 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.24	152	103614	20.00	ng/ul	0.00
18) Naphthalene-d8	11.06	136	433082	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	340150	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.60	188	731635	20.00	ng/ul	0.00
75) Chrysene-d12	21.89	240	859441	20.00	ng/ul	0.00
83) Perylene-d12	25.30	264	878720	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.60	96	13222	6.59	ng/uL	0.00
5) Phenol-d5	7.38	99	261505	29.25	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.55	67	166872	30.18	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	179826	28.77	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	214122	28.66	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	100488	32.77	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	122787	32.12	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.68	165	213486	29.03	ng/ul	0.00
29) 4-Chloroaniline-d4	11.20	131	94364	13.06	ng/ul	0.00
43) Dimethylphthalate-d6	14.25	166	696272	29.76	ng/ul	0.00
46) Acenaphthylene-d8	14.55	160	792794	30.93	ng/ul	0.00
51) 4-Nitrophenol-d4	15.05	143	106593	26.51	ng/ul	0.00
57) Fluorene-d10	15.85	176	639920	29.06	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.96	200	135959	30.05	ng/ul	0.00
70) Anthracene-d10	17.70	188	967368	31.33	ng/ul	0.00
76) Pyrene-d10	19.97	212	1130485	31.93	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.06	264	1126158	31.63	ng/ul	0.00

Target Compounds

						Ovalue
6) Phenol	7.41	94	301394	32.85	ng/ul	95
10) 2-Chlorophenol	7.80	128	177874	28.30	ng/ul	90
15) N-Nitroso-di-n-propylamine	9.04	70	185130	28.20	ng/ul	95
28) Naphthalene	11.11	128	29440	1.46	ng/ul	99
33) 4-Chloro-3-methylphenol	12.32	107	258696	29.40	ng/ul	98
34) 2-Methylnaphthalene	12.70	142	20088	1.26	ng/ul	96
44) Dimethylphthalate	14.29	163	196006	8.52	ng/ul#	98
49) Acenaphthene	14.92	153	543678	31.85	ng/ul	98
52) 4-Nitrophenol	15.07	109	129200	26.71	ng/ul#	81
54) 2,4-Dinitrotoluene	15.22	165	223045	29.95	ng/ul	98
68) Pentachlorophenol	17.24	266	167422	29.96	ng/ul	93
69) Phenanthrene	17.64	178	212307	6.08	ng/ul	97
71) Anthracene	17.73	178	45339	1.26	ng/ul#	95
74) Fluoranthene	19.64	202	418989	10.10	ng/ul	99
77) Pyrene	20.00	202	1632364	39.51	ng/ul	98
80) Benzo(a)anthracene	21.87	228	311026	6.97	ng/ul	96
82) Chrysene	21.94	228	320945	7.68	ng/ul	92
85) Benzo(b)fluoranthene	24.21	252	514193	11.80	ng/ul	98
86) Benzo(k)fluoranthene	24.28	252	164223	3.96	ng/ul	97
88) Benzo(a)pyrene	25.13	252	329133	7.86	ng/ul	95
89) Indeno(1,2,3-cd)pyrene	29.21	276	118372	2.27	ng/ul	99
91) Benzo(a,h,i)perylene	30.45	276	194831	4.48	ng/ul#	88

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Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 12 06:35:19 2016
Response via : Initial Calibration

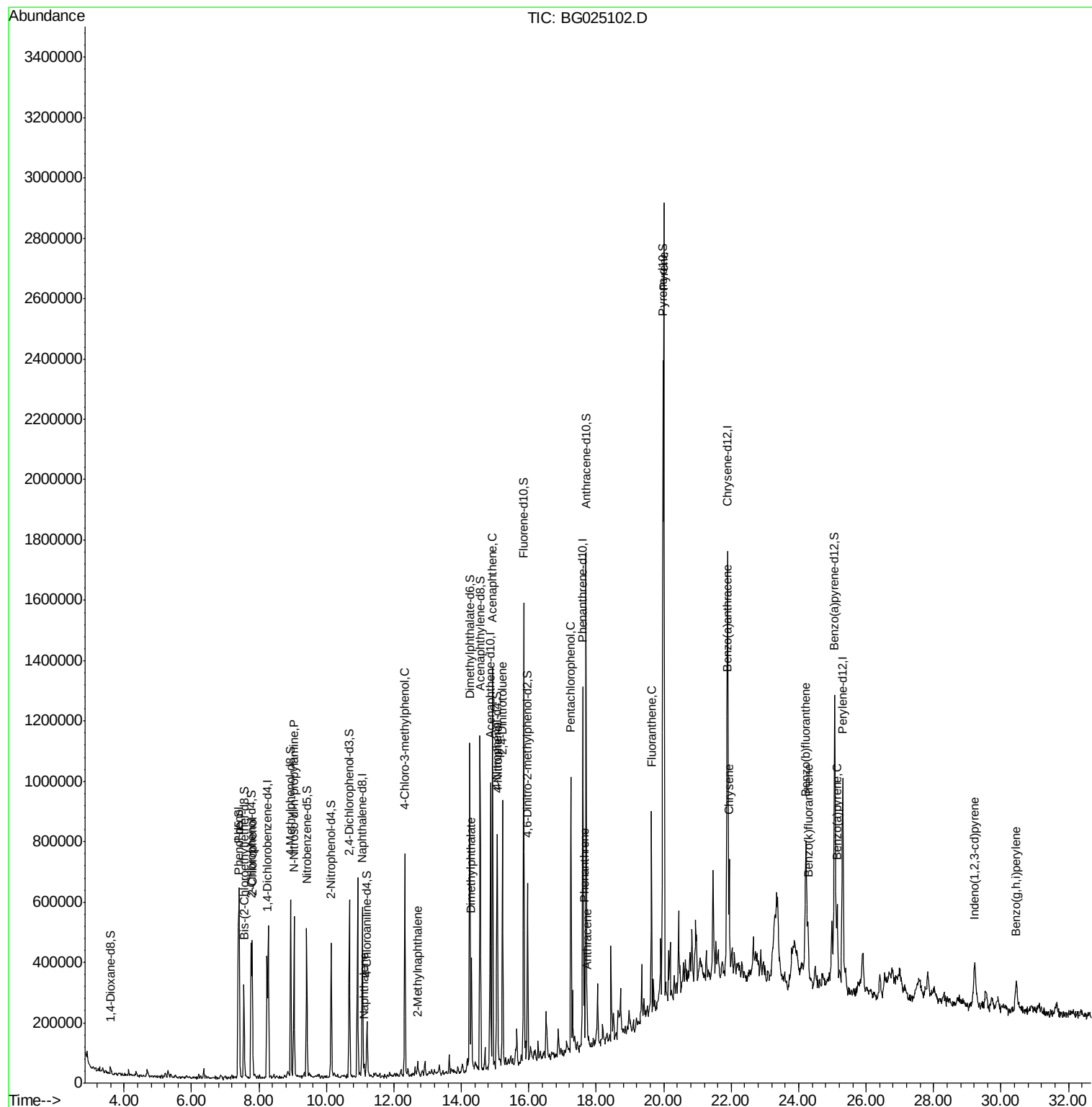
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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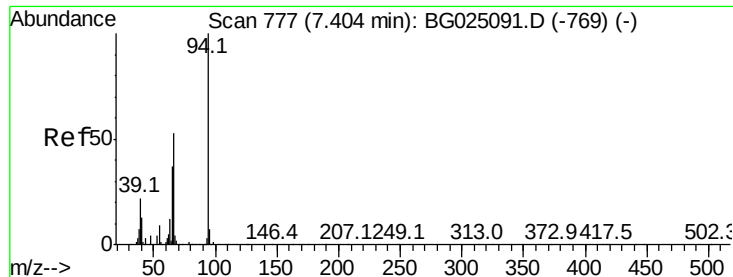
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 32.85 ng/ul

RT: 7.41 min Scan# 778

Delta R.T. 0.00 min

Lab File: BG025102.D

Acq: 11 Dec 2016 13:34

Instrument :

BNA_G

ClientSampleId :

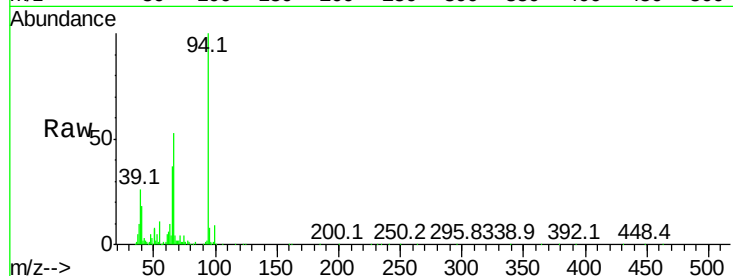
Tot Ion: 94 Resp: 301394

Ion Ratio Lower Upper

94 100

65 36.7 26.8 40.2

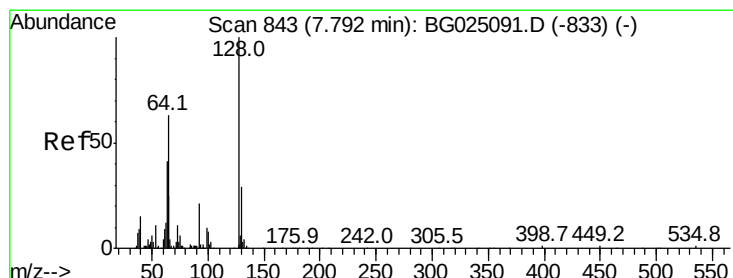
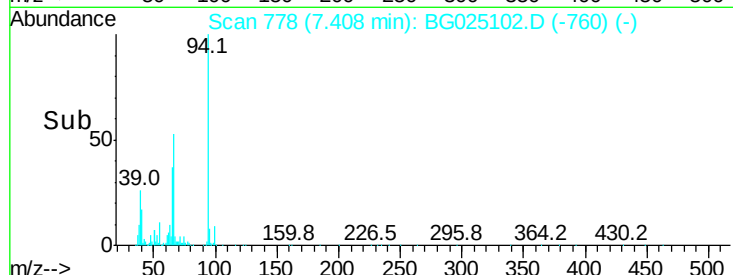
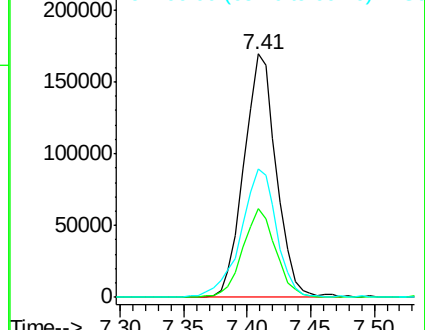
66 52.7 44.4 66.6



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



#10

2-Chlorophenol

Concen: 28.30 ng/ul

RT: 7.80 min Scan# 844

Delta R.T. 0.00 min

Lab File: BG025102.D

Acq: 11 Dec 2016 13:34

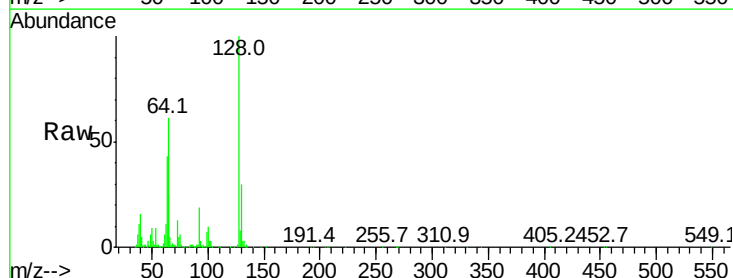
Tgt Ion:128 Resp: 177874

Ion Ratio Lower Upper

128 100

64 61.1 56.3 84.5

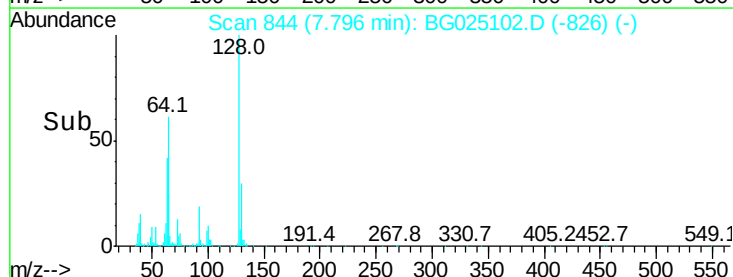
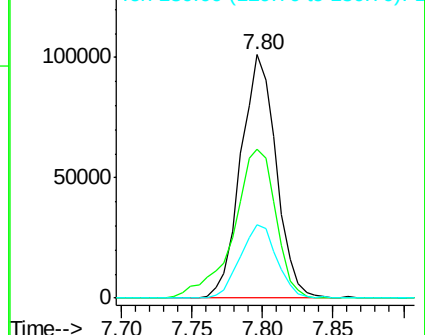
130 30.0 26.7 40.1

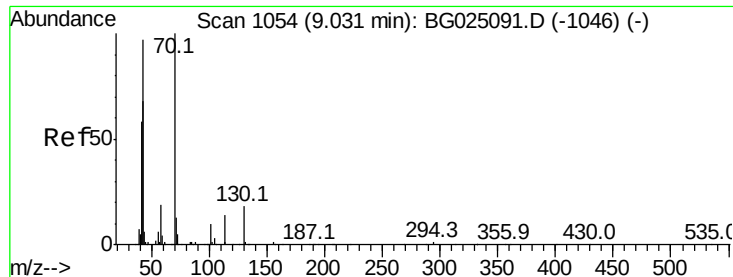


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 130.00 (129.70 to 130.70): E

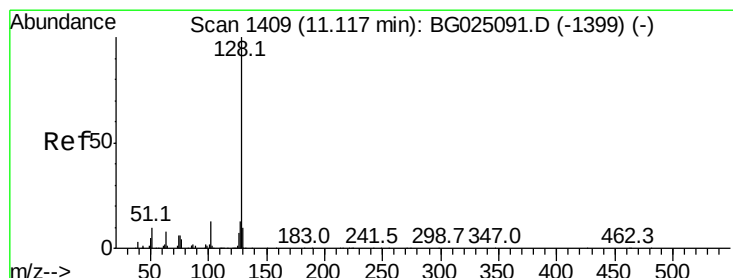
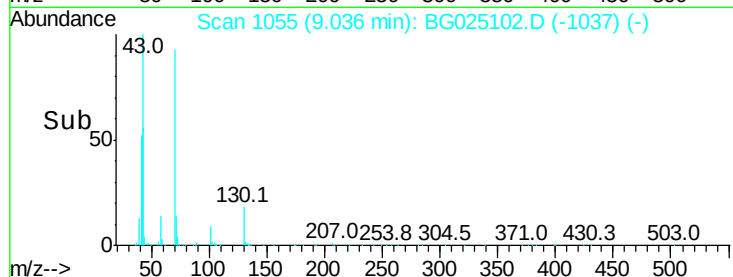
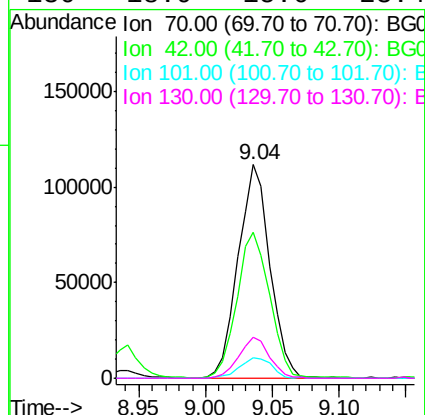
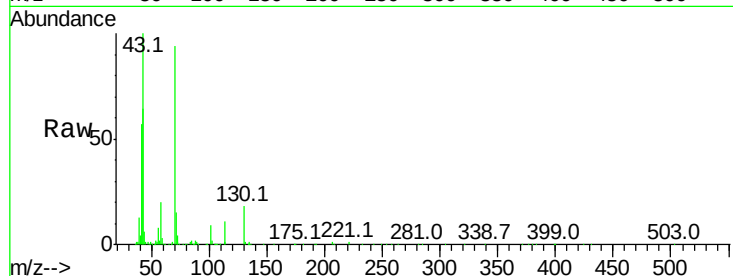




#15
N-Nitroso-di-n-propylamine
Concen: 28.20 ng/ul
RT: 9.04 min Scan# 1055
Delta R.T. 0.00 min
Lab File: BG025102.D
Acq: 11 Dec 2016 13:34

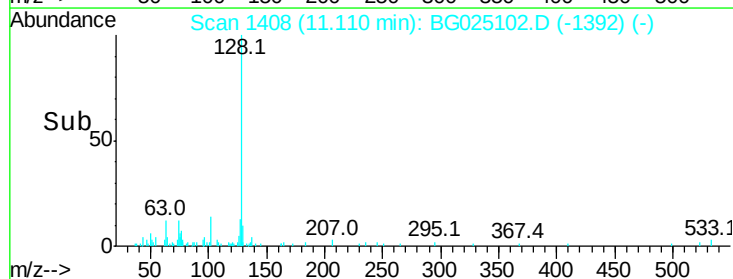
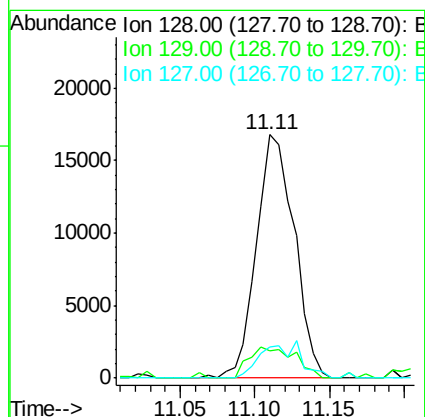
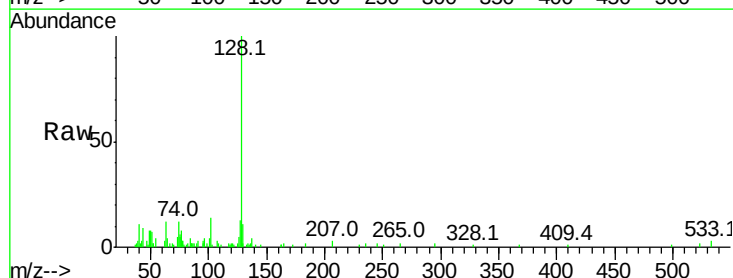
Instrument :
BNA_G
ClientSampleId :

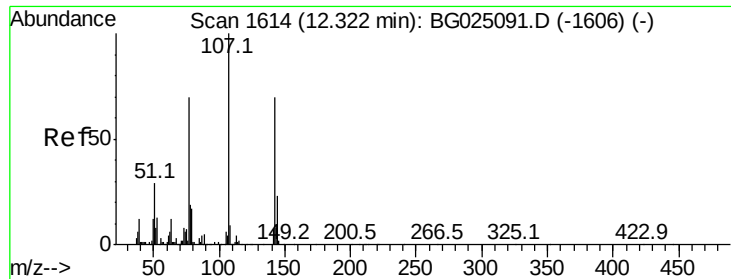
Tot Ion:	70	Resp:	185130
Ion	Ratio	Lower	Upper
70	100		
42	68.2	59.0	88.6
101	9.6	6.6	9.8
130	18.9	15.6	23.4



#28
Naphthalene
Concen: 1.46 ng/ul
RT: 11.11 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BG025102.D
Acq: 11 Dec 2016 13:34

Tgt Ion:	128	Resp:	29440
Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.4	14.2
127	12.8	10.3	15.5

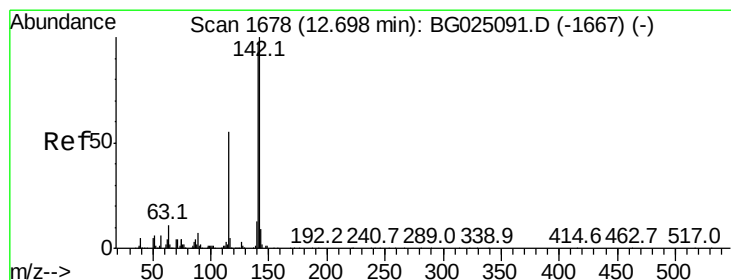
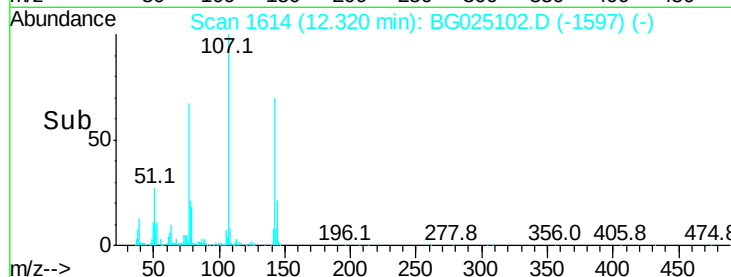
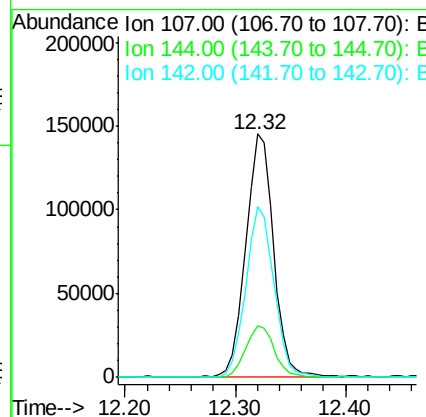
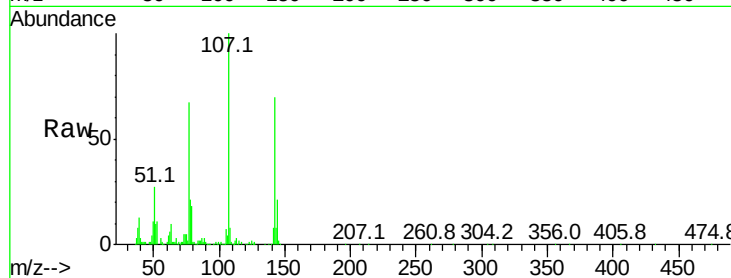




#33
 4-Chloro-3-methylphenol
 Concen: 29.40 ng/ul
 RT: 12.32 min Scan# 1614
 Delta R.T. -0.00 min
 Lab File: BG025102.D
 Acq: 11 Dec 2016 13:34

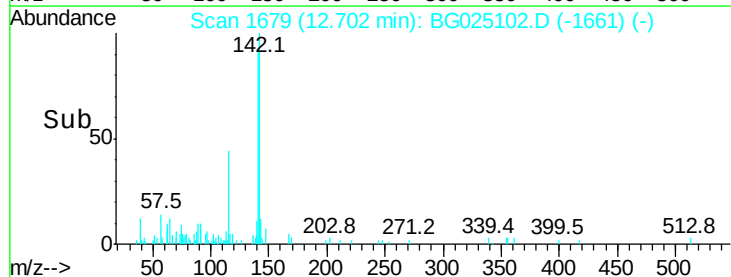
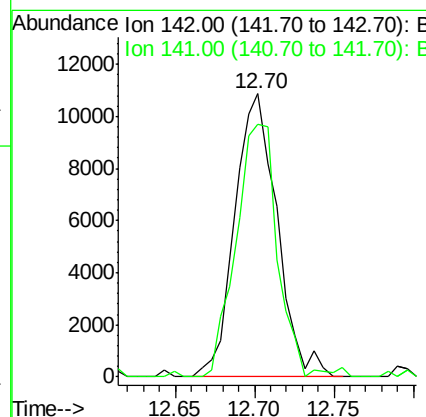
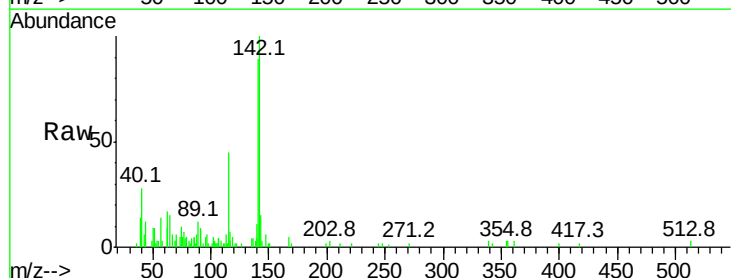
Instrument :
 BNA_G
 ClientSampleId :

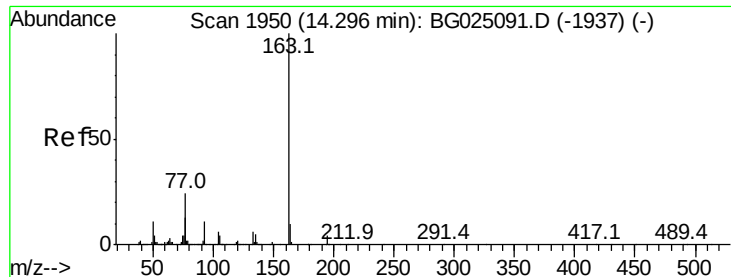
Tot Ion	Ratio	Lower	Upper
107	100		
144	21.3	18.2	27.4
142	69.9	55.0	82.4



#34
 2-Methylnaphthalene
 Concen: 1.26 ng/ul
 RT: 12.70 min Scan# 1679
 Delta R.T. 0.00 min
 Lab File: BG025102.D
 Acq: 11 Dec 2016 13:34

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.4	68.6	102.8





#44

Dimethylphthalate

Concen: 8.52 ng/ul

RT: 14.29 min Scan# 1950

Delta R.T. -0.00 min

Lab File: BG025102.D

Acq: 11 Dec 2016 13:34

Instrument :

BNA_G

ClientSampleId :

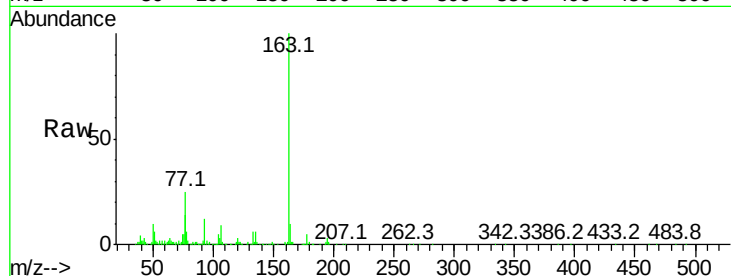
Tot Ion:163 Resp: 196006

Ion Ratio Lower Upper

163 100

194 3.3 3.4 5.0#

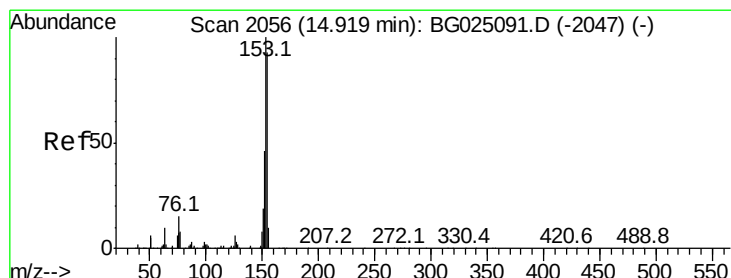
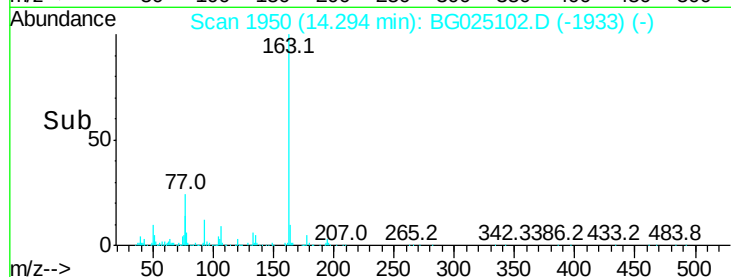
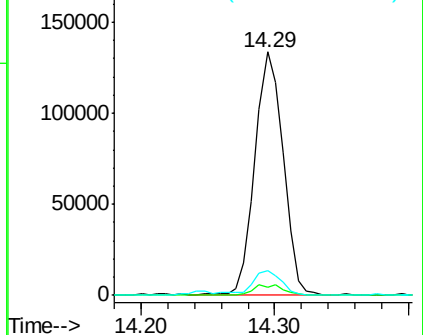
164 10.4 9.0 13.4



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



#49

Acenaphthene

Concen: 31.85 ng/ul

RT: 14.92 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BG025102.D

Acq: 11 Dec 2016 13:34

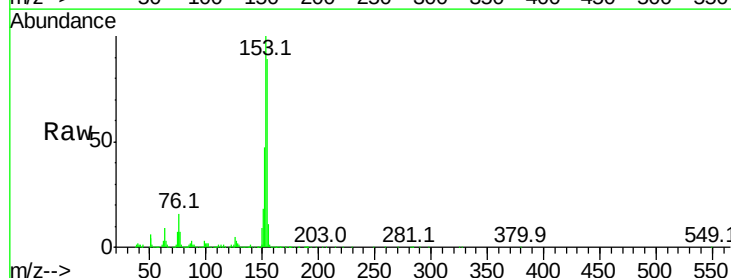
Tgt Ion:153 Resp: 543678

Ion Ratio Lower Upper

153 100

152 46.9 36.5 54.7

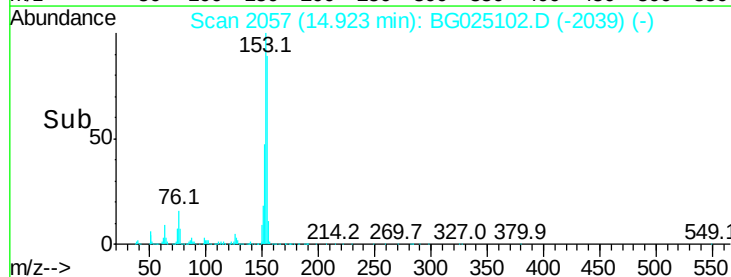
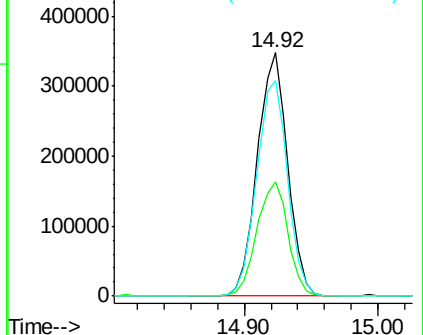
154 88.6 72.3 108.5

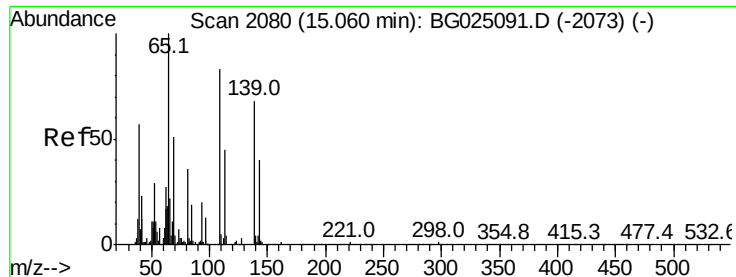


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#52

4-Nitrophenol

Concen: 26.71 ng/ul

RT: 15.07 min Scan# 2082

Delta R.T. 0.01 min

Lab File: BG025102.D

Acq: 11 Dec 2016 13:34

Instrument :

BNA_G

ClientSampleId :

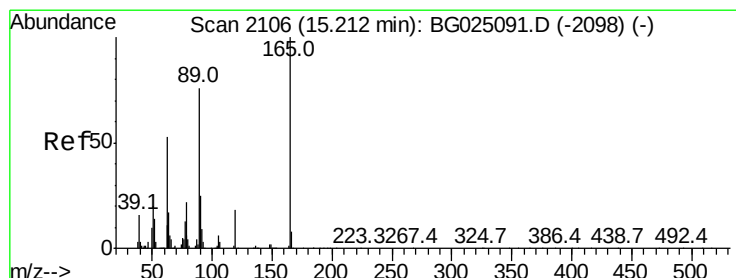
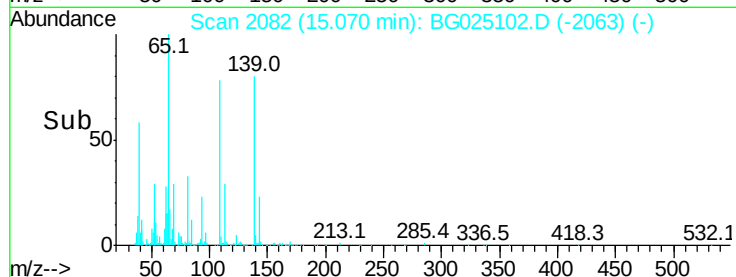
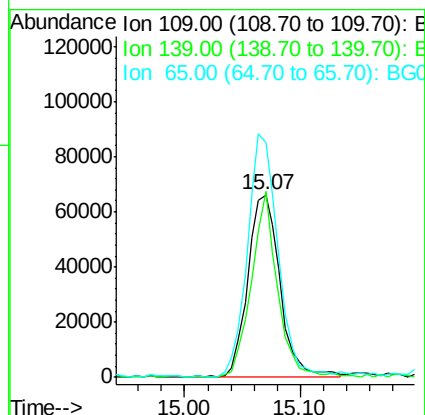
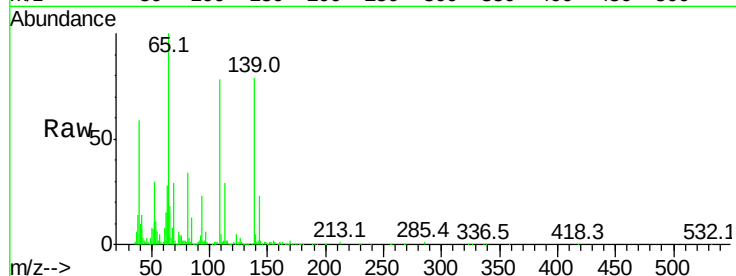
Tot Ion:109 Resp: 129200

Ion Ratio Lower Upper

109 100

139 101.6 62.6 93.8#

65 128.4 90.4 135.6



#54

2,4-Dinitrotoluene

Concen: 29.95 ng/ul

RT: 15.22 min Scan# 2107

Delta R.T. 0.00 min

Lab File: BG025102.D

Acq: 11 Dec 2016 13:34

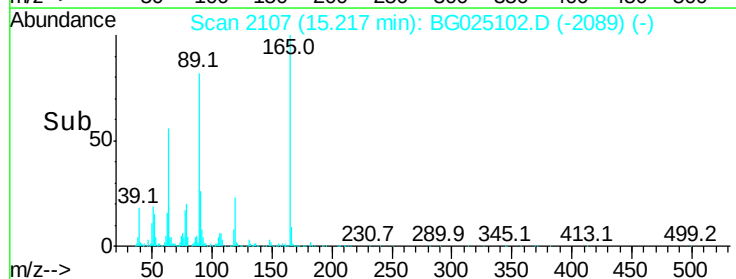
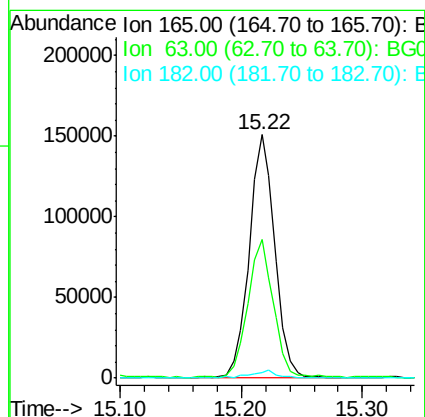
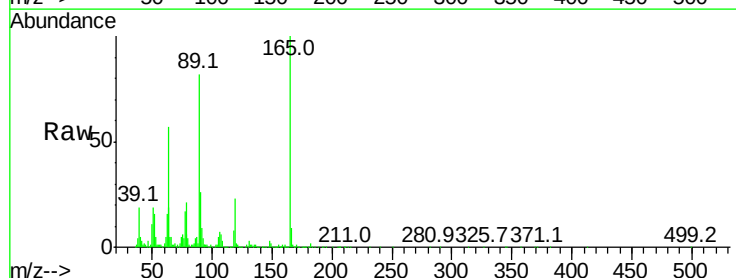
Tgt Ion:165 Resp: 223045

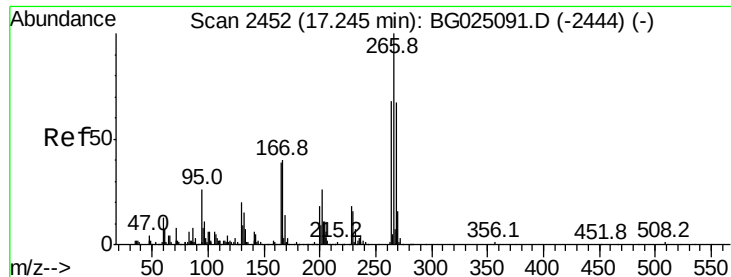
Ion Ratio Lower Upper

165 100

63 56.7 46.8 70.2

182 2.3 1.8 2.6





#68

Pentachlorophenol

Concen: 29.96 ng/ul

RT: 17.24 min Scan# 2452

Delta R.T. -0.00 min

Lab File: BG025102.D

Acq: 11 Dec 2016 13:34

Instrument :

BNA_G

ClientSampleId :

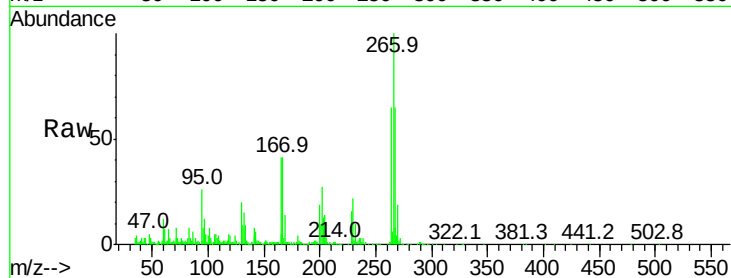
Tot Ion:266 Resp: 167422

Ion Ratio Lower Upper

266 100

264 65.1 47.1 70.7

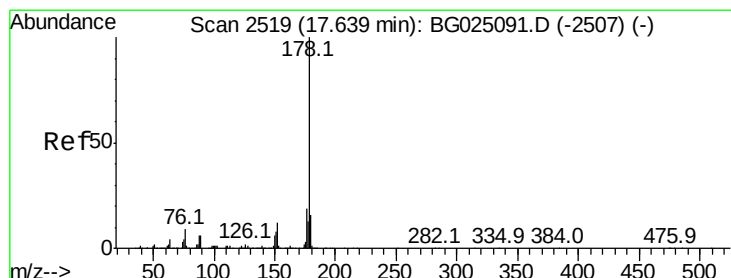
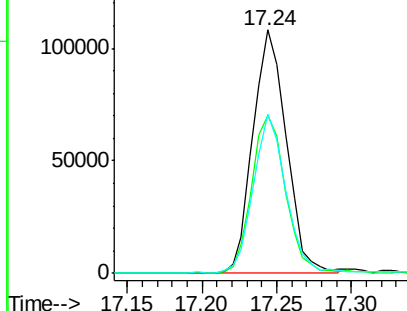
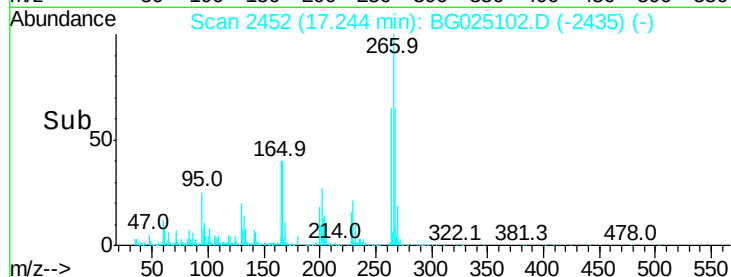
268 65.3 56.2 84.4



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#69

Phenanthrene

Concen: 6.08 ng/ul

RT: 17.64 min Scan# 2520

Delta R.T. 0.00 min

Lab File: BG025102.D

Acq: 11 Dec 2016 13:34

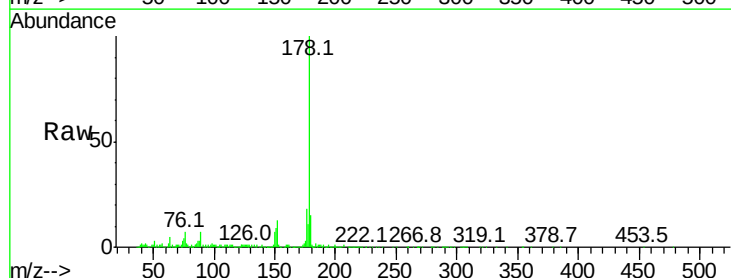
Tgt Ion:178 Resp: 212307

Ion Ratio Lower Upper

178 100

179 14.8 12.4 18.6

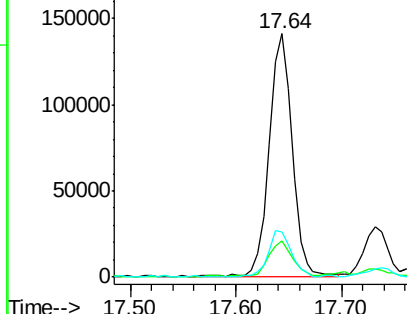
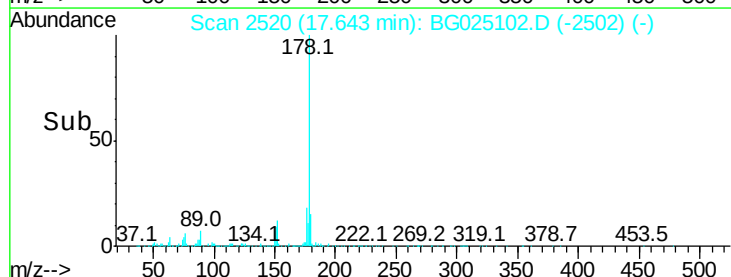
176 18.4 16.5 24.7

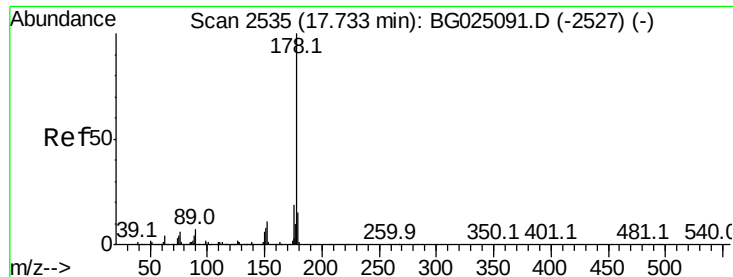


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 1.26 ng/ul

RT: 17.73 min Scan# 2535

Delta R.T. -0.00 min

Lab File: BG025102.D

Acq: 11 Dec 2016 13:34

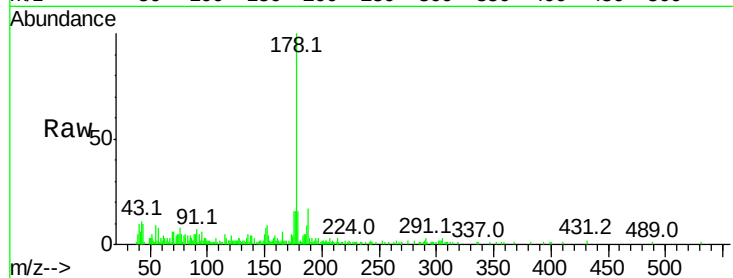
Instrument :

BNA_G

ClientSampleId :

Tot Ion:178 Resp: 45339

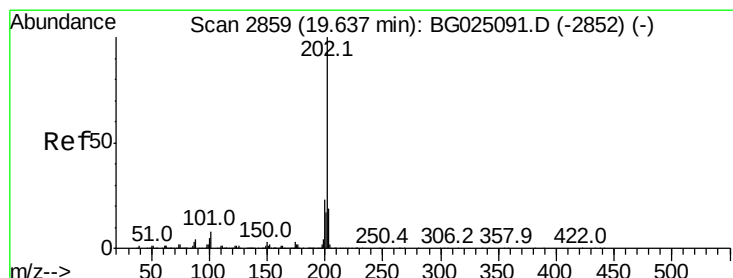
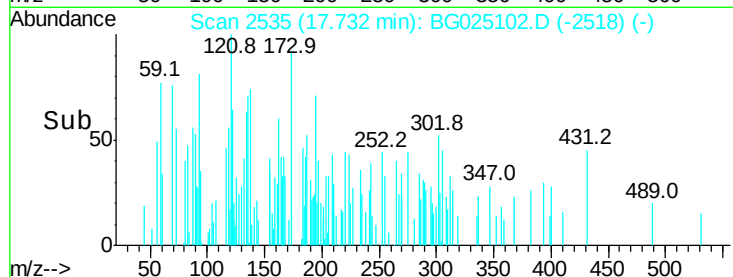
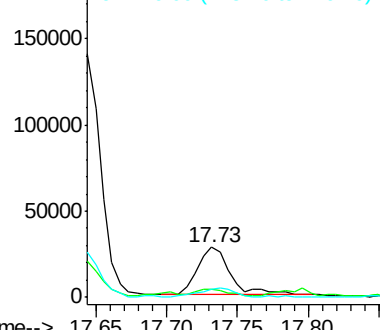
Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.6	19.0
176	15.9	15.9	23.9#



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



#74

Fluoranthene

Concen: 10.10 ng/ul

RT: 19.64 min Scan# 2859

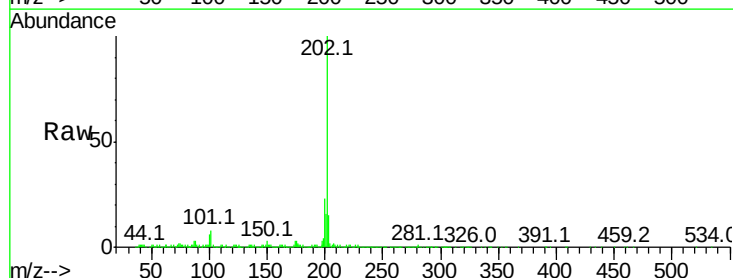
Delta R.T. -0.00 min

Lab File: BG025102.D

Acq: 11 Dec 2016 13:34

Tgt Ion:202 Resp: 418989

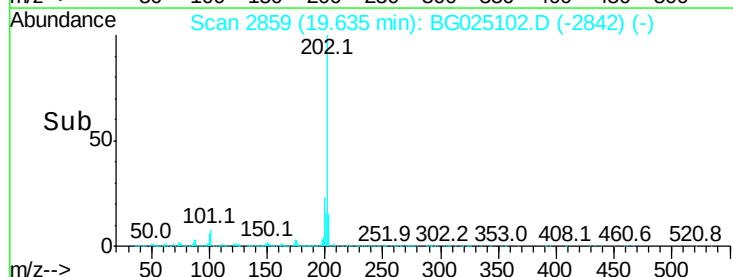
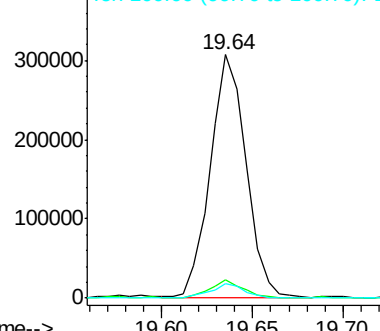
Ion	Ratio	Lower	Upper
202	100		
101	7.7	6.2	9.2
100	5.9	5.2	7.8

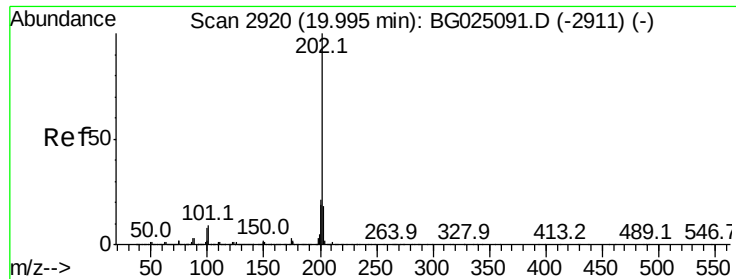


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 39.51 ng/ul

RT: 20.00 min Scan# 2921

Delta R.T. 0.00 min

Lab File: BG025102.D

Acq: 11 Dec 2016 13:34

Instrument :

BNA_G

ClientSampleId :

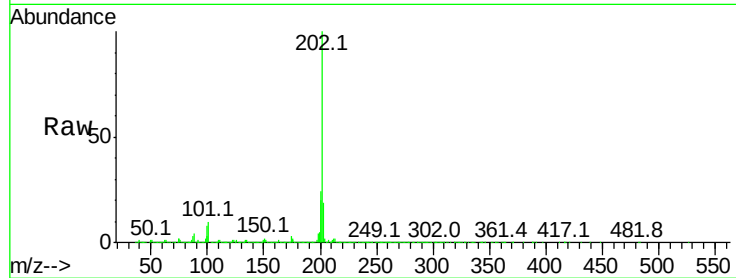
Tot Ion:202 Resp: 1632364

Ion Ratio Lower Upper

202 100

101 9.5 6.9 10.3

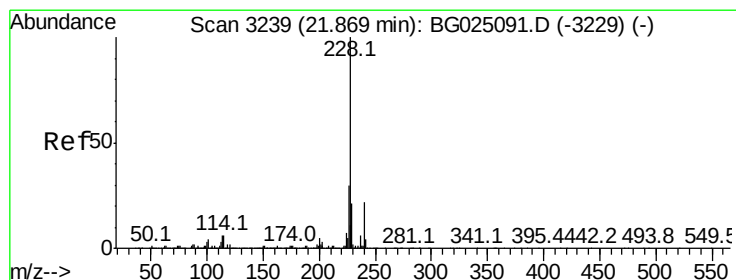
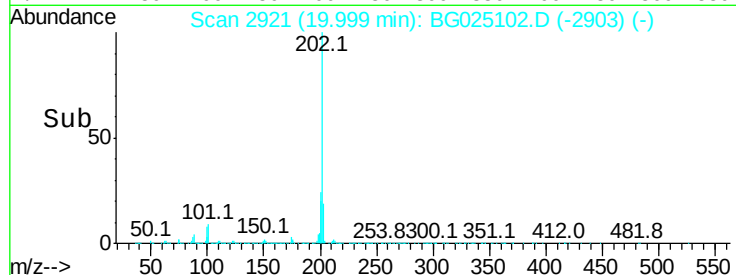
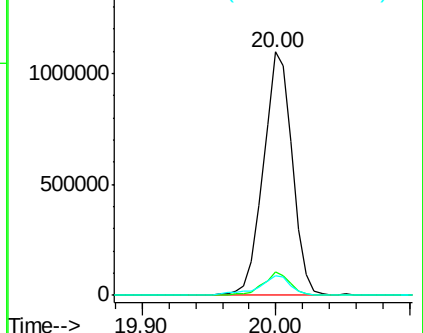
100 7.9 6.6 10.0



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): E



#80

Benzo(a)anthracene

Concen: 6.97 ng/ul

RT: 21.87 min Scan# 3239

Delta R.T. -0.00 min

Lab File: BG025102.D

Acq: 11 Dec 2016 13:34

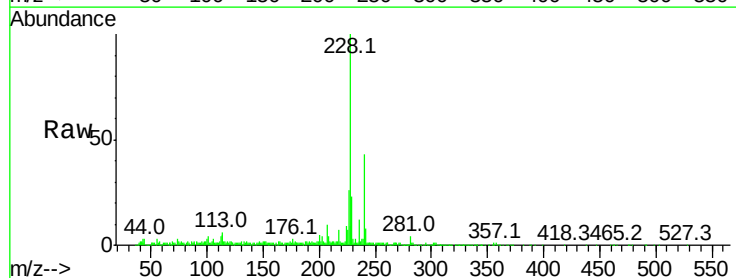
Tgt Ion:228 Resp: 311026

Ion Ratio Lower Upper

228 100

229 22.9 16.3 24.5

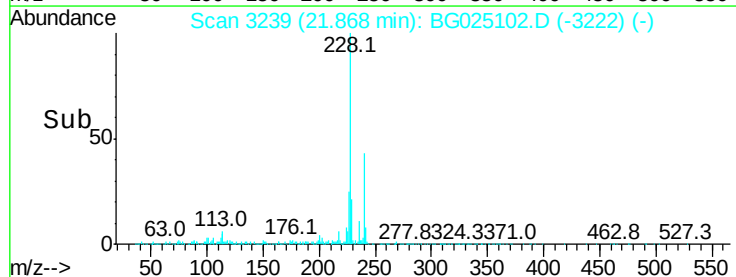
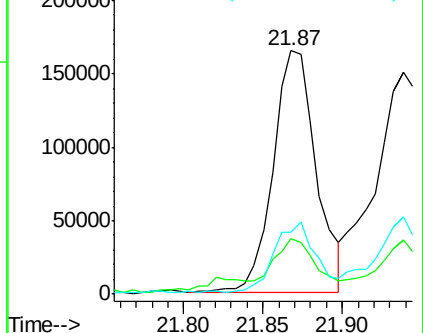
226 25.6 21.9 32.9

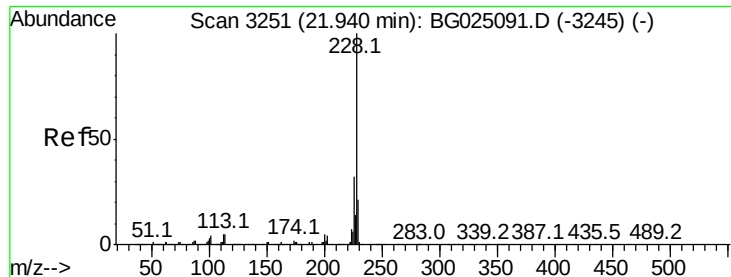


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

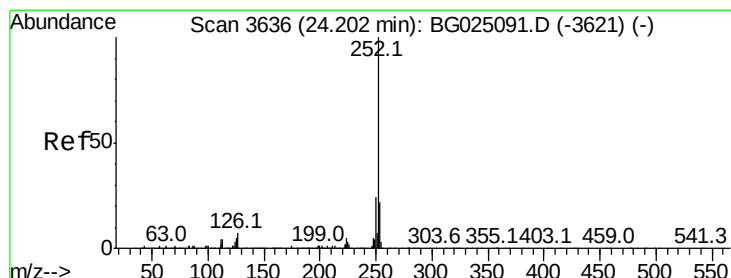
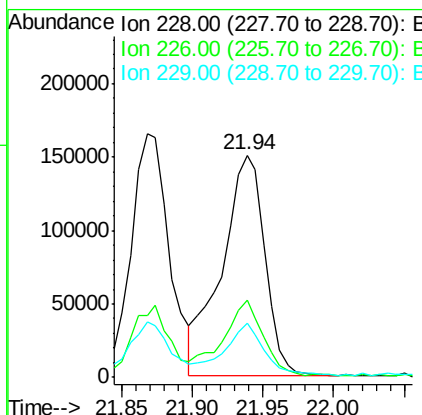
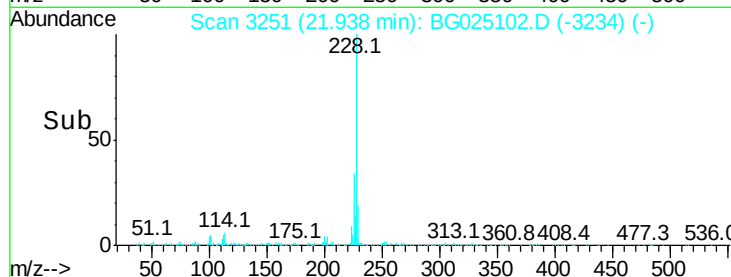
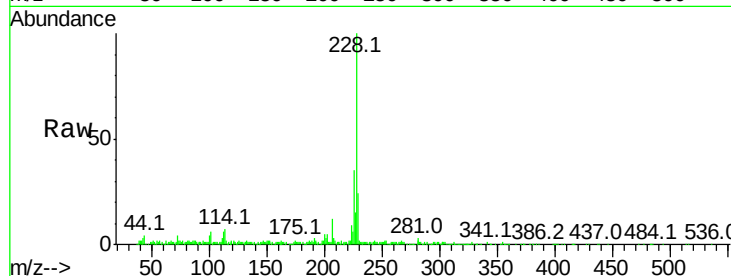




#82
Chrysene
Concen: 7.68 ng/ul
RT: 21.94 min Scan# 3251
Delta R.T. -0.00 min
Lab File: BG025102.D
Acq: 11 Dec 2016 13:34

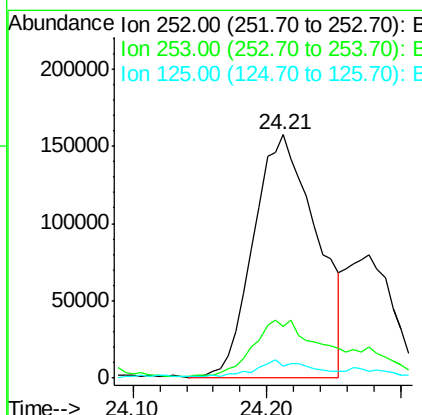
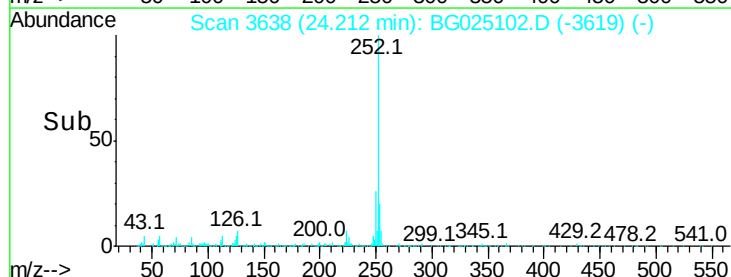
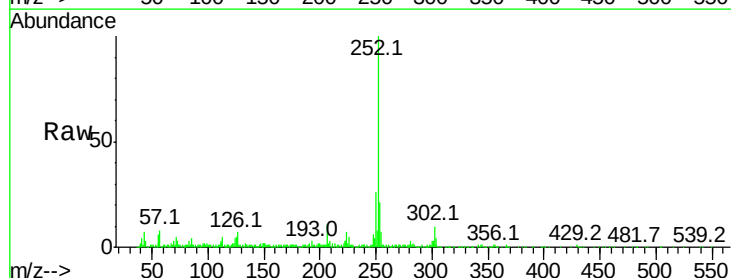
Instrument :
BNA_G
ClientSampleId :

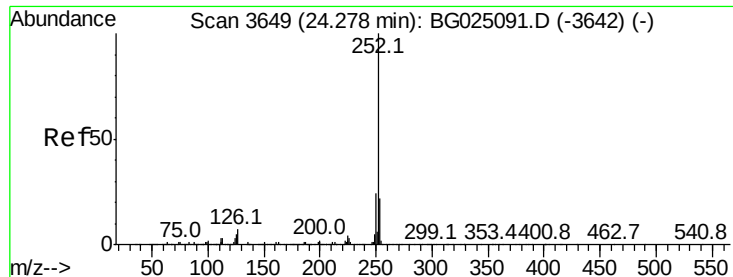
Tot Ion:228 Resp: 320945
Ion Ratio Lower Upper
228 100
226 34.6 24.0 36.0
229 24.2 16.9 25.3



#85
Benzo(b)fluoranthene
Concen: 11.80 ng/ul
RT: 24.21 min Scan# 3638
Delta R.T. 0.01 min
Lab File: BG025102.D
Acq: 11 Dec 2016 13:34

Tgt Ion:252 Resp: 514193
Ion Ratio Lower Upper
252 100
253 21.2 17.7 26.5
125 5.0 4.0 6.0

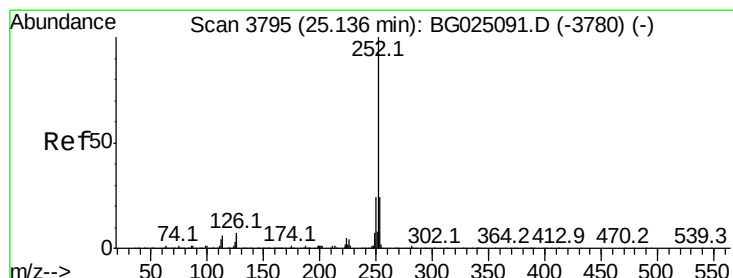
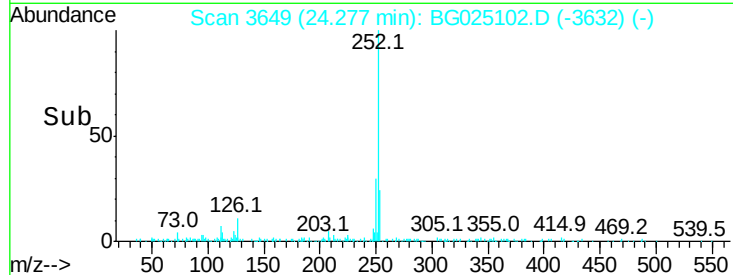
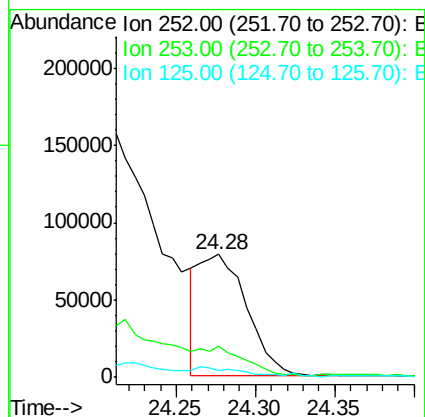
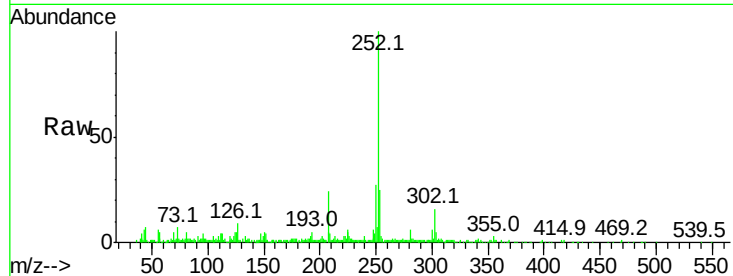




#86
Benzo(k)fluoranthene
Concen: 3.96 ng/ul
RT: 24.28 min Scan# 3649
Delta R.T. -0.00 min
Lab File: BG025102.D
Acq: 11 Dec 2016 13:34

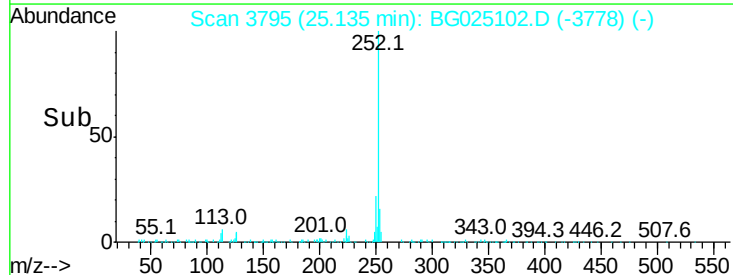
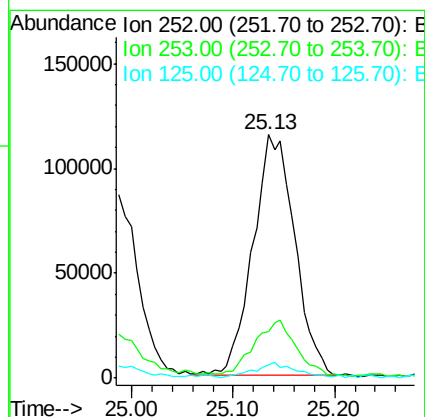
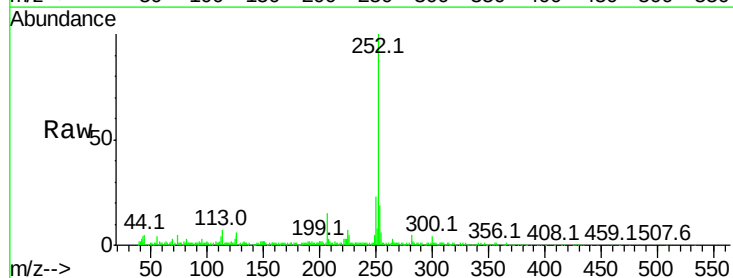
Instrument :
BNA_G
ClientSampleId :

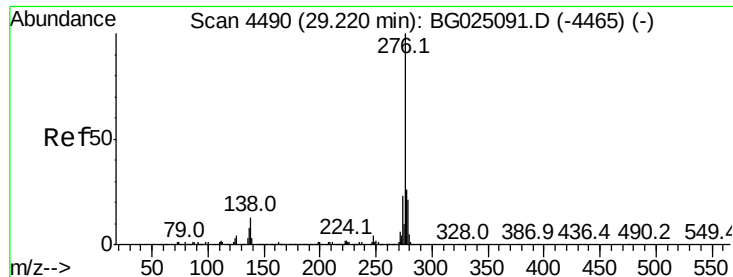
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.5	27.7
125	5.2	4.1	6.1



#88
Benzo(a)pyrene
Concen: 7.86 ng/ul
RT: 25.13 min Scan# 3795
Delta R.T. -0.00 min
Lab File: BG025102.D
Acq: 11 Dec 2016 13:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	19.3	17.8	26.6
125	5.5	5.4	8.0



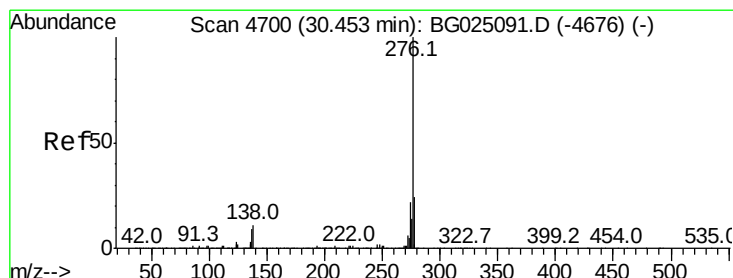
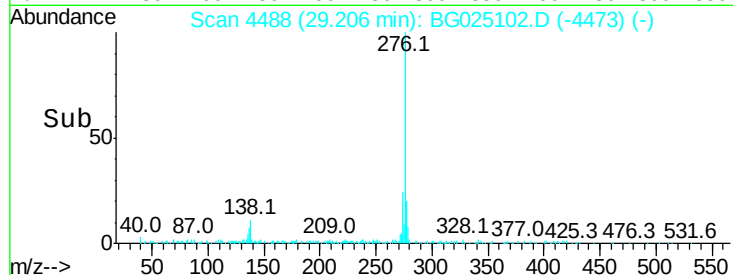
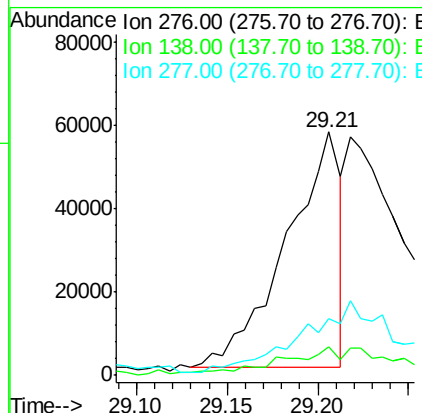
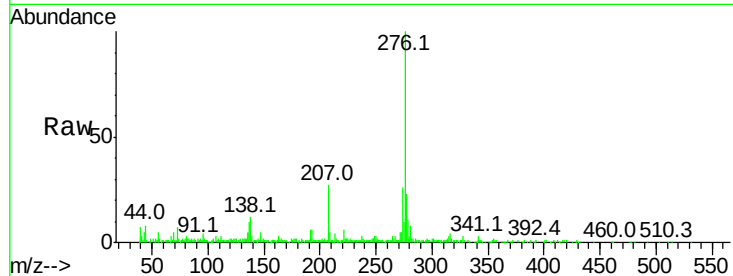


#89

Indeno(1,2,3-cd)pyrene
Concen: 2.27 ng/ul
RT: 29.21 min Scan# 4488
Delta R.T. -0.01 min
Lab File: BG025102.D
Acq: 11 Dec 2016 13:34

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	11.7	8.2	12.4
277	23.1	18.6	28.0



#91

Benzo(g,h,i)perylene
Concen: 4.48 ng/ul
RT: 30.45 min Scan# 4700
Delta R.T. -0.00 min
Lab File: BG025102.D
Acq: 11 Dec 2016 13:34

Tgt Ion	Ratio	Lower	Upper
276	100		
138	10.4	8.6	12.8
277	30.5	17.6	26.4

