

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121016\
 Data File : BG025095.D
 Acq On : 11 Dec 2016 9:00
 Operator : UM/SJ
 Sample : H5905-12
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 12 06:39:02 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	8.23	152	92654	20.00	ng/ul	0.00
18) Naphthalene-d8	11.06	136	381680	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	327365	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.60	188	713339	20.00	ng/ul	0.00
75) Chrysene-d12	21.89	240	816447	20.00	ng/ul	0.00
83) Perylene-d12	25.30	264	852046	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.59	96	10694	5.96	ng/uL	0.00
5) Phenol-d5	7.38	99	255268	31.93	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.55	67	172674	34.92	ng/ul	0.00
9) 2-Chlorophenol-d4	7.76	132	176277	31.54	ng/ul	0.00
13) 4-Methylphenol-d8	8.93	113	220716	33.04	ng/ul	0.00
19) Nitrobenzene-d5	9.41	128	97603	36.11	ng/ul	-0.01
22) 2-Nitrophenol-d4	10.14	143	118229	35.09	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.68	165	204707	31.59	ng/ul	0.00
29) 4-Chloroaniline-d4	11.20	131	157228	24.69	ng/ul	0.00
43) Dimethylphthalate-d6	14.25	166	723138	32.11	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	785490	31.85	ng/ul	0.00
51) 4-Nitrophenol-d4	15.06	143	102499	26.49	ng/ul	0.00
57) Fluorene-d10	15.84	176	653431	30.83	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.96	200	146325	33.18	ng/ul	0.00
70) Anthracene-d10	17.70	188	976297	32.43	ng/ul	0.00
76) Pyrene-d10	19.97	212	1105665	32.88	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.07	264	1120742	32.46	ng/ul	0.00

Target Compounds

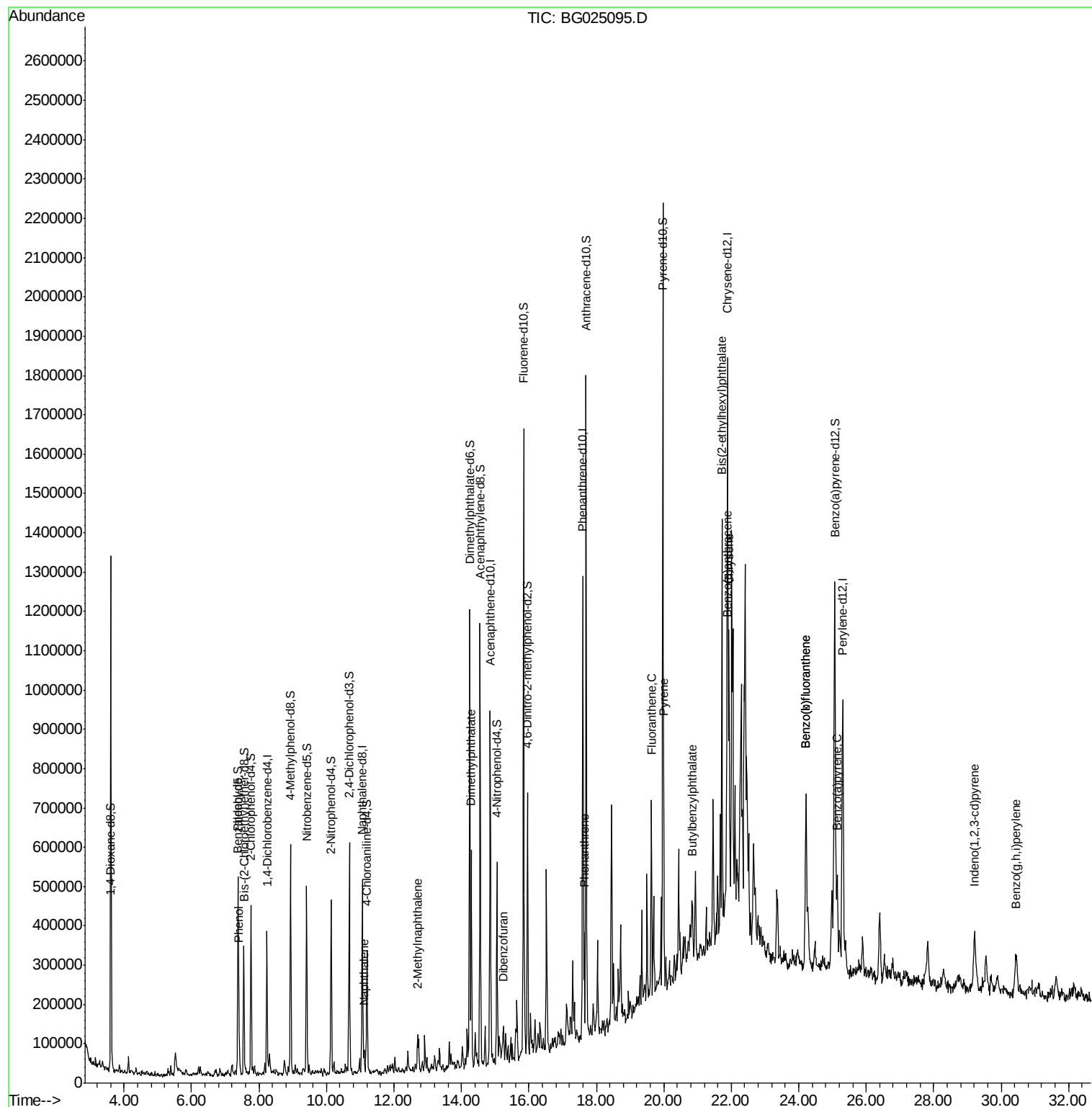
						Ovalue
4) Benzaldehyde	7.37	77	7314	1.22	ng/ul#	79
6) Phenol	7.41	94	50217	6.12	ng/ul	92
28) Naphthalene	11.11	128	38464	2.17	ng/ul	95
34) 2-Methylnaphthalene	12.70	142	44674	3.19	ng/ul	96
44) Dimethylphthalate	14.30	163	300053	13.56	ng/ul	96
53) Dibenzofuran	15.25	168	32561	1.25	ng/ul#	80
69) Phenanthrene	17.64	178	170779	5.02	ng/ul	97
74) Fluoranthene	19.63	202	327185	8.09	ng/ul	99
77) Pvrene	20.00	202	286367	7.30	ng/ul	96
78) Butylbenzylphthalate	20.85	149	29936	1.95	ng/ul#	82
80) Benzo(a)anthracene	21.86	228	226349	5.34	ng/ul	95
81) Bis(2-ethylhexyl)phthalate	21.72	149	398514	18.84	ng/ul	100
82) Chrysene	21.94	228	286321	7.22	ng/ul	96
85) Benzo(b)fluoranthene	24.21	252	430190	10.18	ng/ul	100
86) Benzo(k)fluoranthene	24.21	252	149932	3.73	ng/ul	98
88) Benzo(a)pyrene	25.14	252	275185	6.77	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	29.21	276	242257	4.80	ng/ul	96
91) Benzo(g,h,i)perylene	30.43	276	109252	2.59	ng/ul	98

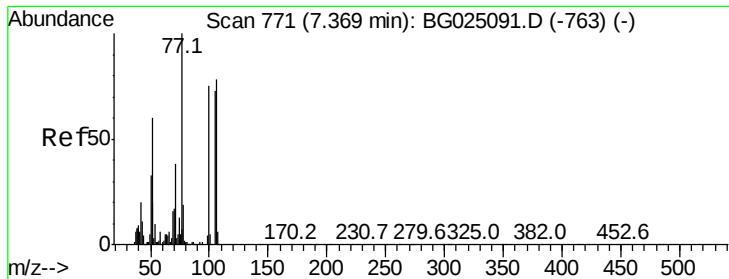
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#4

Benzaldehyde

Concen: 1.22 ng/ul

RT: 7.37 min Scan# 771

Delta R.T. 0.00 min

Lab File: BG025095.D

Acq: 11 Dec 2016 9:00

Instrument :

BNA_G

ClientSampled :

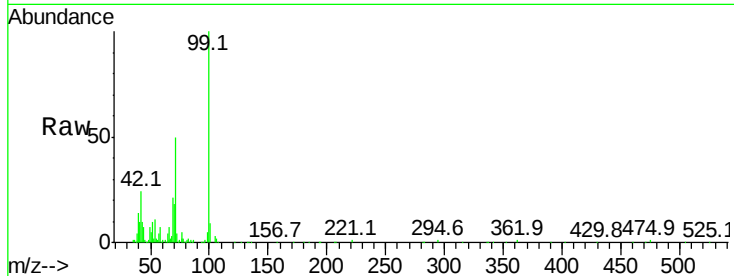
Tot Ion: 77 Resp: 7314

Ion Ratio Lower Upper

77 100

105 69.5 62.0 93.0

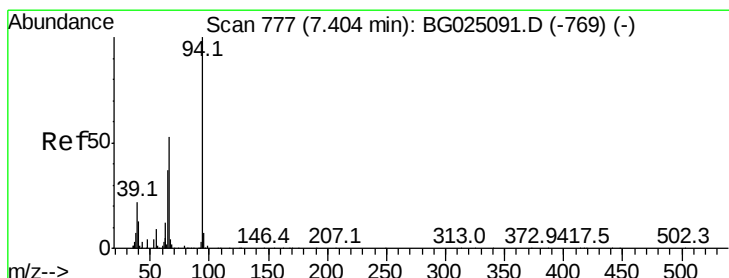
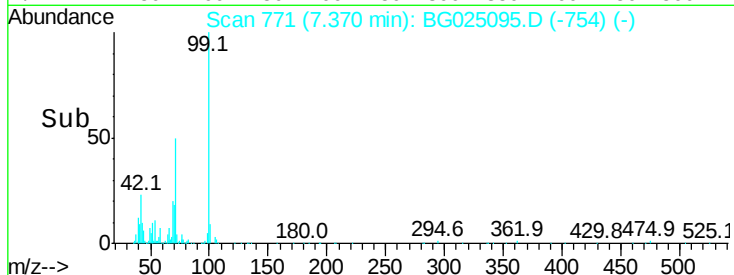
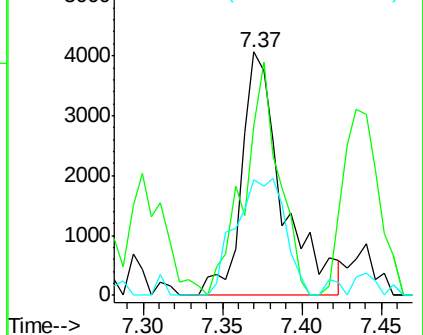
106 47.4 60.2 90.4#



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: 6.12 ng/ul

RT: 7.41 min Scan# 777

Delta R.T. 0.00 min

Lab File: BG025095.D

Acq: 11 Dec 2016 9:00

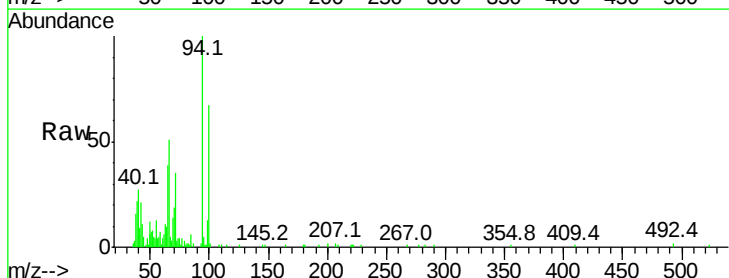
Tgt Ion: 94 Resp: 50217

Ion Ratio Lower Upper

94 100

65 38.8 26.8 40.2

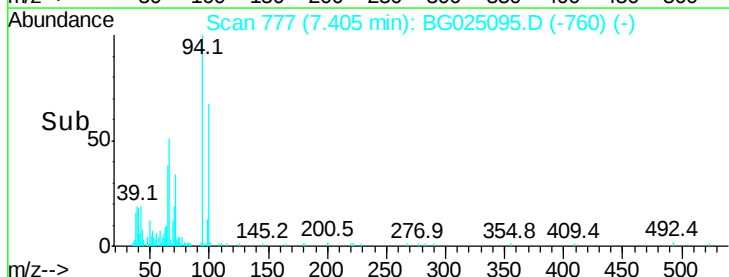
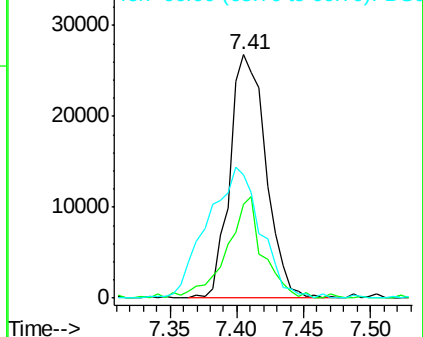
66 50.6 44.4 66.6

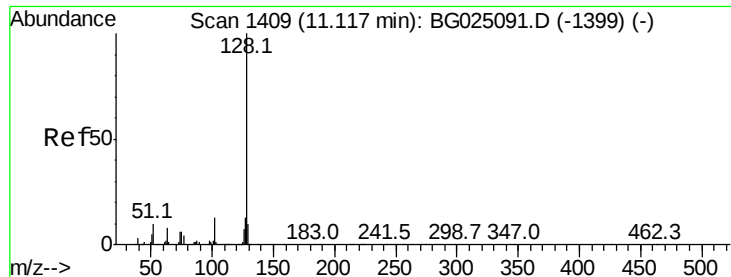


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#28

Naphthalene

Concen: 2.17 ng/ul

RT: 11.11 min Scan# 1408

Delta R.T. -0.00 min

Lab File: BG025095.D

Acq: 11 Dec 2016 9:00

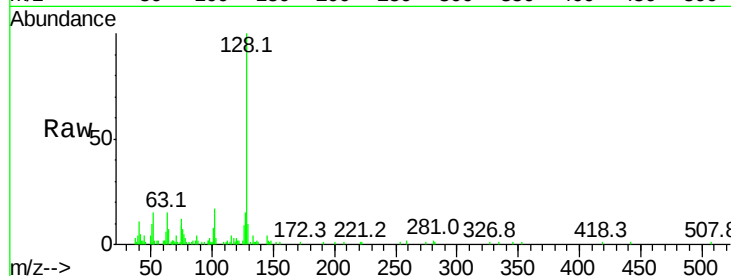
Instrument :

BNA_G

ClientSampleId :

Tot Ion:128 Resp: 38464

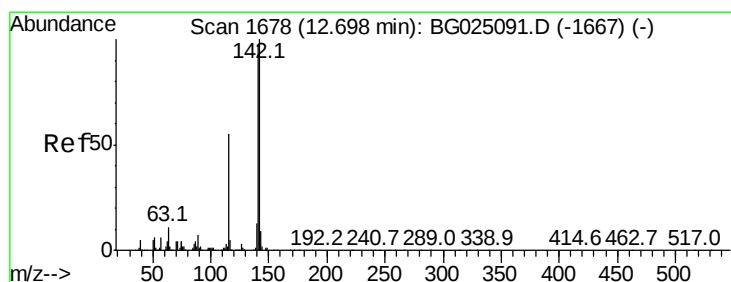
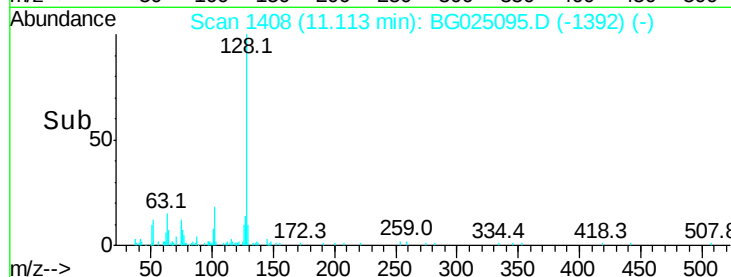
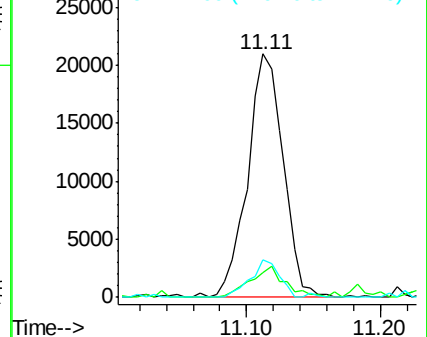
Ion	Ratio	Lower	Upper
128	100		
129	10.0	9.4	14.2
127	15.4	10.3	15.5



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 3.19 ng/ul

RT: 12.70 min Scan# 1679

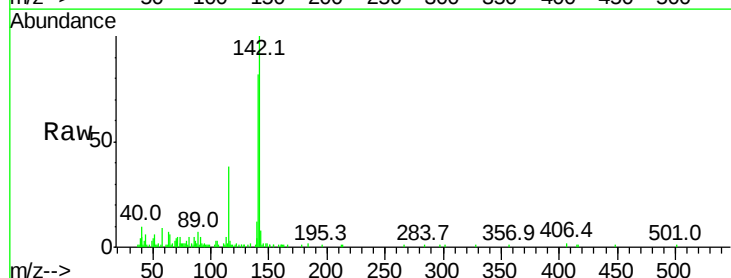
Delta R.T. 0.01 min

Lab File: BG025095.D

Acq: 11 Dec 2016 9:00

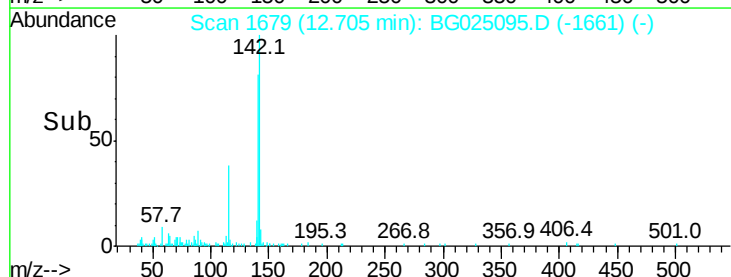
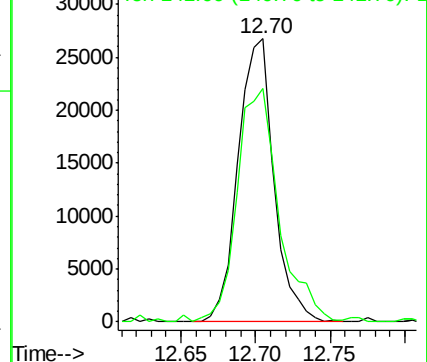
Tgt Ion:142 Resp: 44674

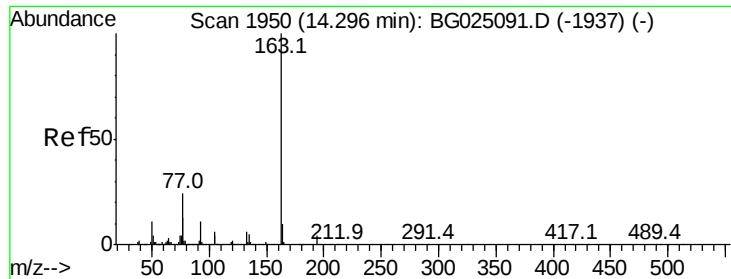
Ion	Ratio	Lower	Upper
142	100		
141	82.4	68.6	102.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

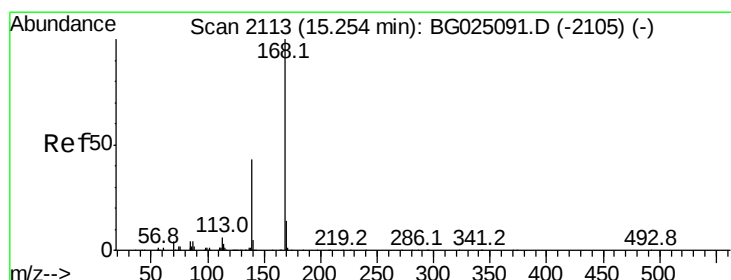
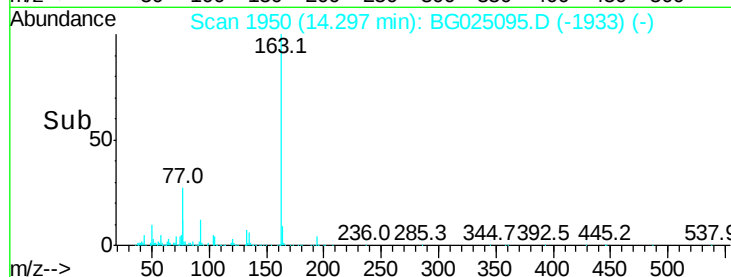
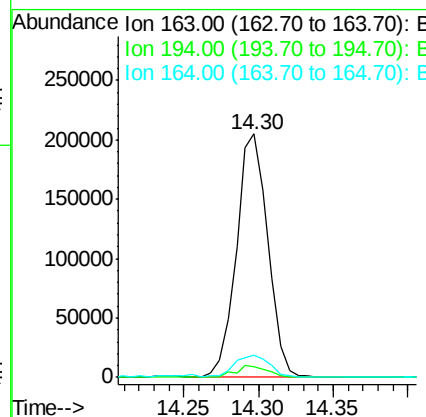
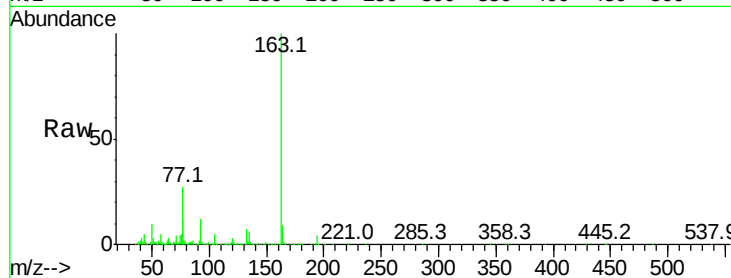




#44
Dimethylphthalate
Concen: 13.56 ng/ul
RT: 14.30 min Scan# 1950
Delta R.T. 0.00 min
Lab File: BG025095.D
Acq: 11 Dec 2016 9:00

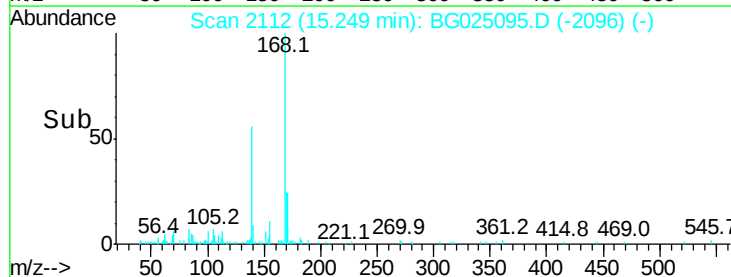
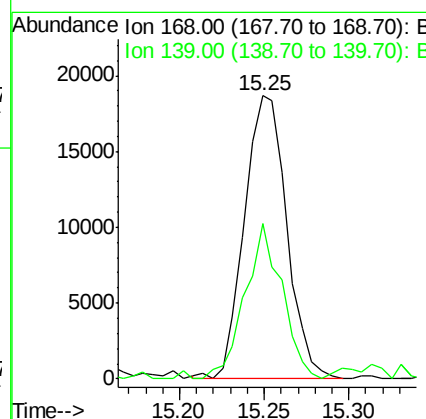
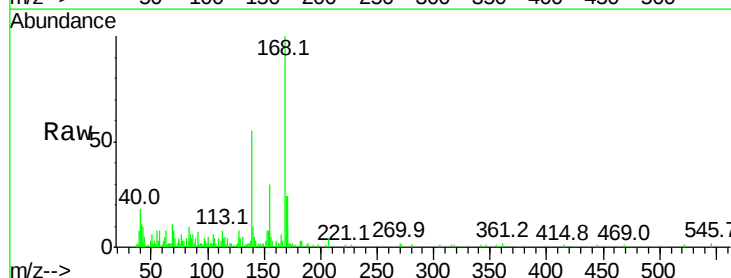
Instrument :
BNA_G
ClientSampleId :

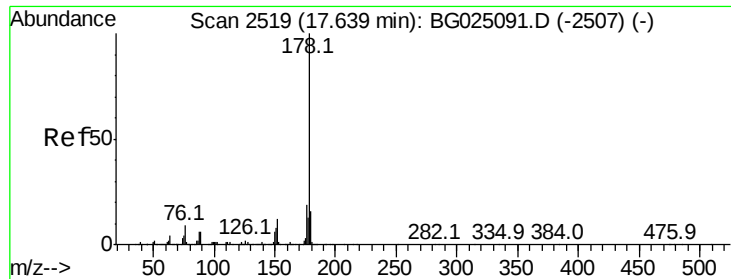
Tot Ion:163 Resp: 300053
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.0
164 9.0 9.0 13.4



#53
Dibenzofuran
Concen: 1.25 ng/ul
RT: 15.25 min Scan# 2112
Delta R.T. -0.00 min
Lab File: BG025095.D
Acq: 11 Dec 2016 9:00

Tgt Ion:168 Resp: 32561
Ion Ratio Lower Upper
168 100
139 54.9 33.8 50.8#





#69

Phenanthrene

Concen: 5.02 ng/ul

RT: 17.64 min Scan# 2519

Delta R.T. 0.00 min

Lab File: BG025095.D

Acq: 11 Dec 2016 9:00

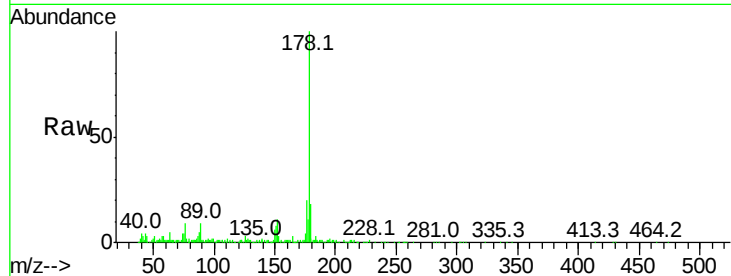
Instrument :

BNA_G

ClientSampleId :

Tot Ion:178 Resp: 170779

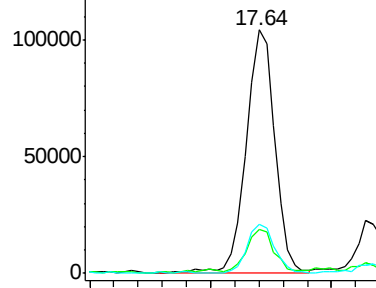
Ion	Ratio	Lower	Upper
178	100		
179	18.2	12.4	18.6
176	20.1	16.5	24.7



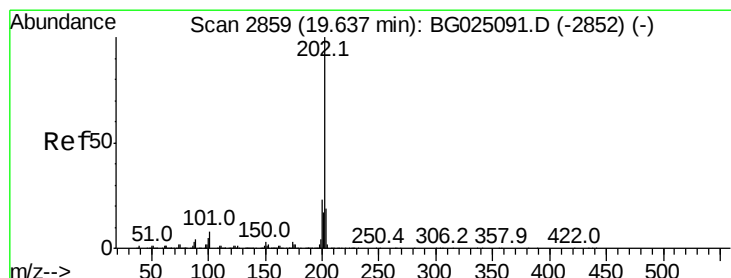
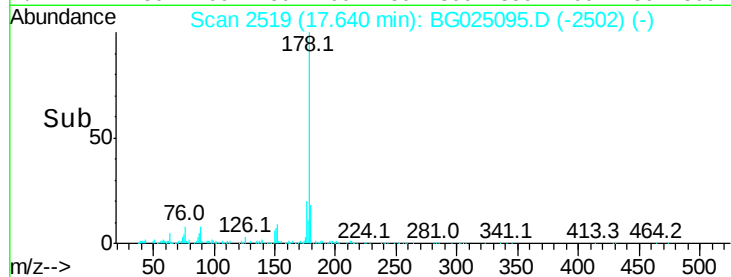
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time--> 17.50 17.60 17.70



#74

Fluoranthene

Concen: 8.09 ng/ul

RT: 19.63 min Scan# 2858

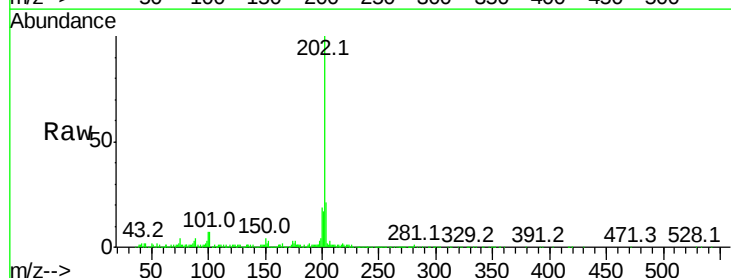
Delta R.T. -0.00 min

Lab File: BG025095.D

Acq: 11 Dec 2016 9:00

Tgt Ion:202 Resp: 327185

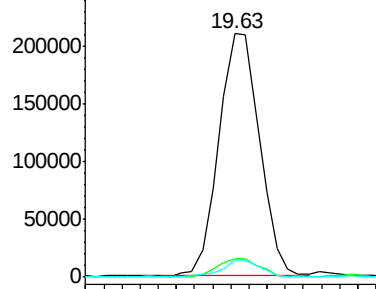
Ion	Ratio	Lower	Upper
202	100		
101	7.5	6.2	9.2
100	7.1	5.2	7.8



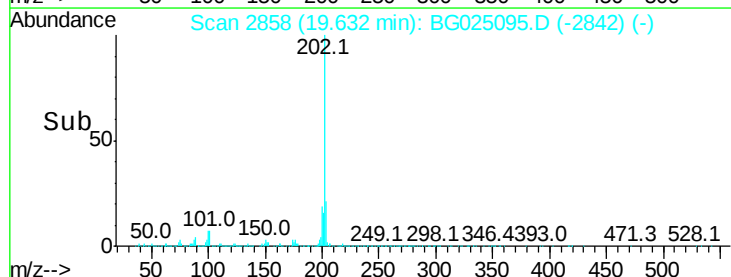
Abundance Ion 202.00 (201.70 to 202.70): E

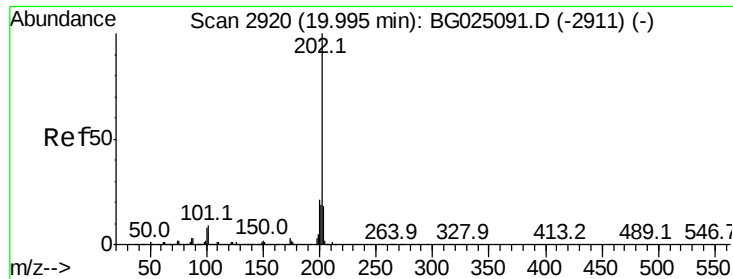
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time--> 19.55 19.60 19.65 19.70





#77

Pvrene

Concen: 7.30 ng/ul

RT: 20.00 min Scan# 2920

Delta R.T. 0.00 min

Lab File: BG025095.D

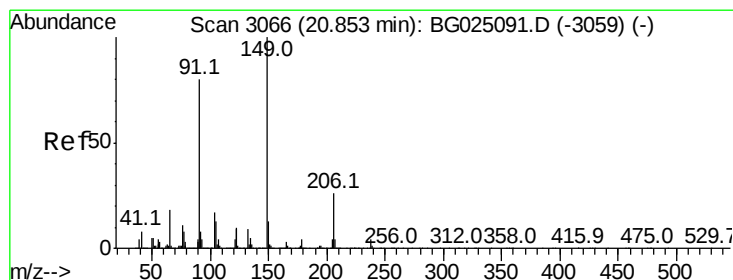
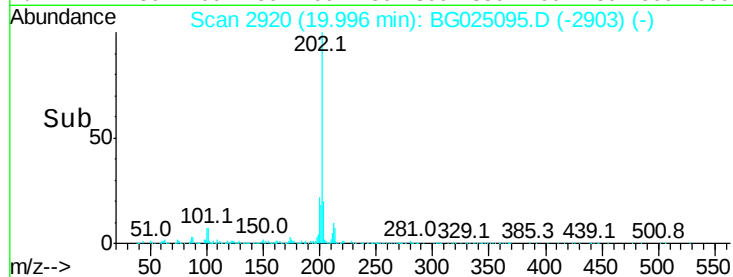
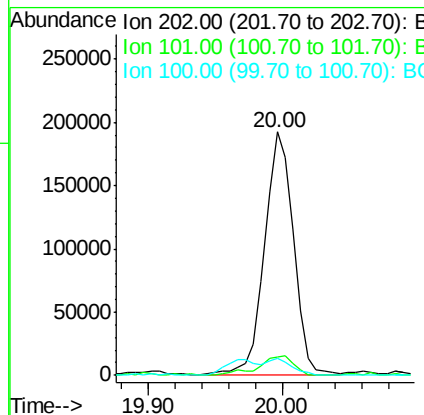
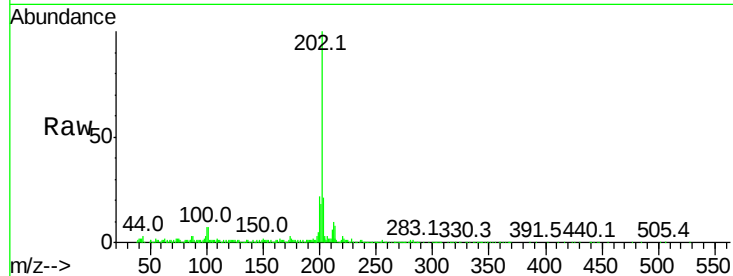
Acq: 11 Dec 2016 9:00

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	202	Resp:	286367
Ion	Ratio	Lower	Upper
202	100		
101	7.3	6.9	10.3
100	6.8	6.6	10.0



#78

Butylbenzylphthalate

Concen: 1.95 ng/ul

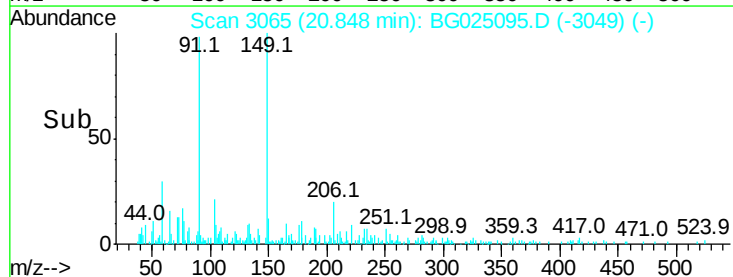
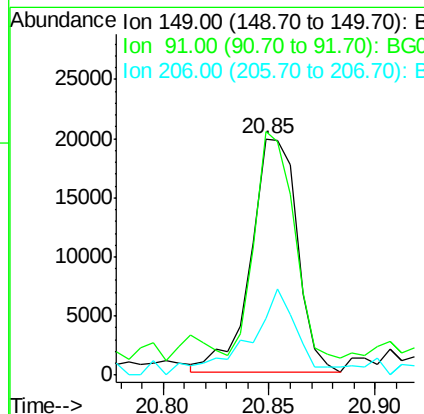
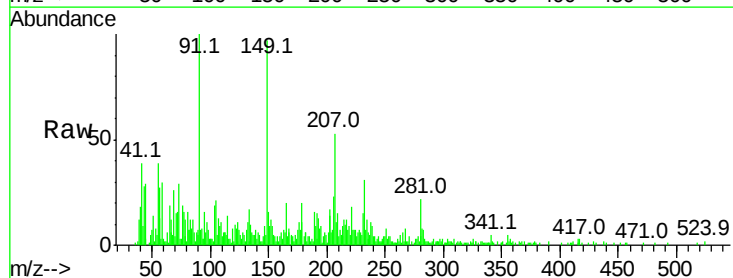
RT: 20.85 min Scan# 3065

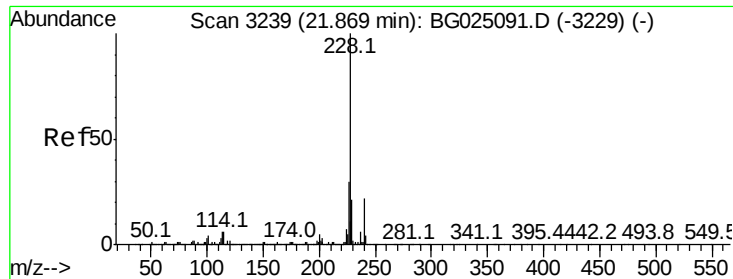
Delta R.T. -0.00 min

Lab File: BG025095.D

Acq: 11 Dec 2016 9:00

Tgt Ion:	149	Resp:	29936
Ion	Ratio	Lower	Upper
149	100		
91	103.0	65.8	98.6#
206	23.9	20.1	30.1





#80

Benzo(a)anthracene

Concen: 5.34 ng/ul

RT: 21.86 min Scan# 3238

Delta R.T. -0.00 min

Lab File: BG025095.D

Acq: 11 Dec 2016 9:00

Instrument :

BNA_G

ClientSampleId :

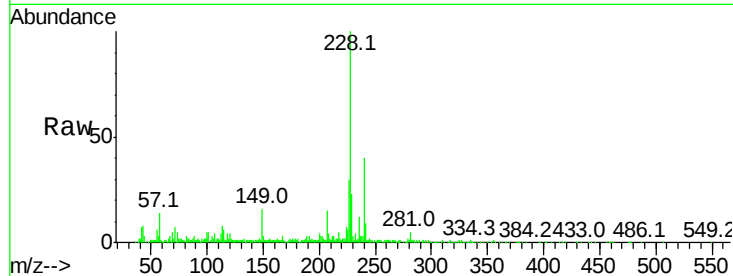
Tot Ion:228 Resp: 226349

Ion Ratio Lower Upper

228 100

229 22.5 16.3 24.5

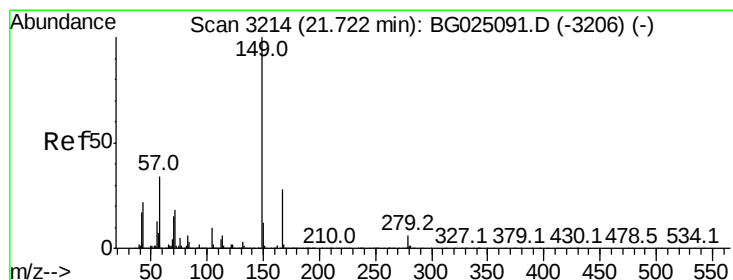
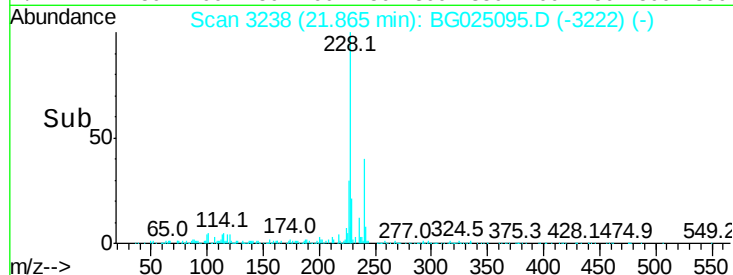
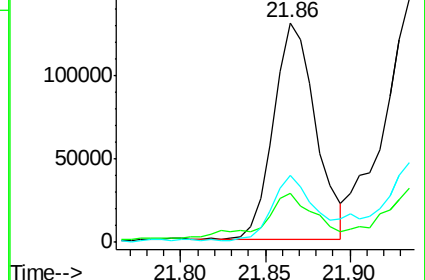
226 30.4 21.9 32.9



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



#81

Bis(2-ethylhexyl)phthalate

Concen: 18.84 ng/ul

RT: 21.72 min Scan# 3214

Delta R.T. 0.00 min

Lab File: BG025095.D

Acq: 11 Dec 2016 9:00

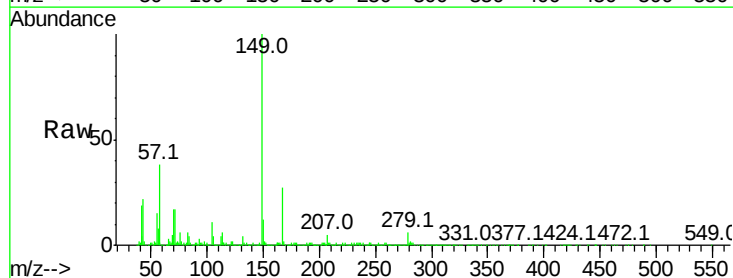
Tgt Ion:149 Resp: 398514

Ion Ratio Lower Upper

149 100

167 27.1 21.8 32.8

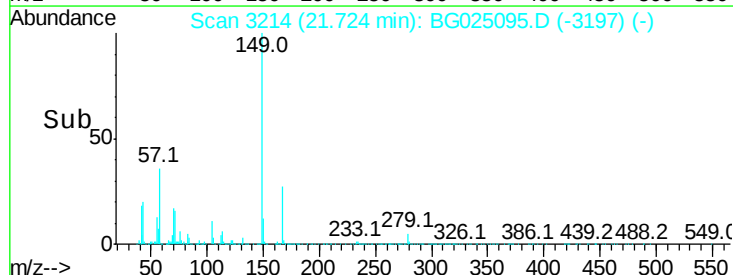
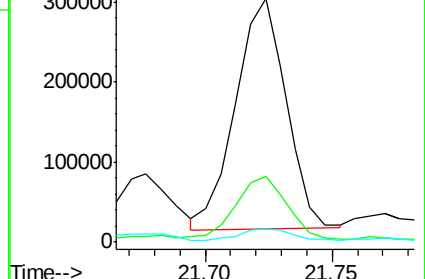
279 5.6 4.5 6.7

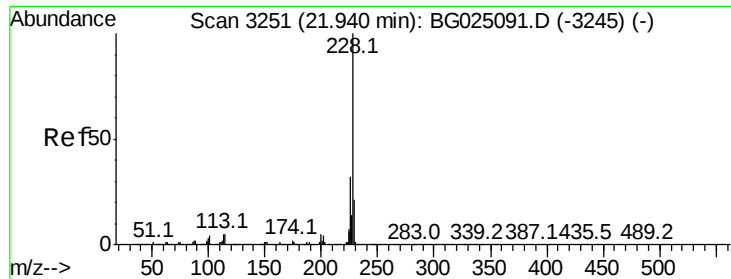


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

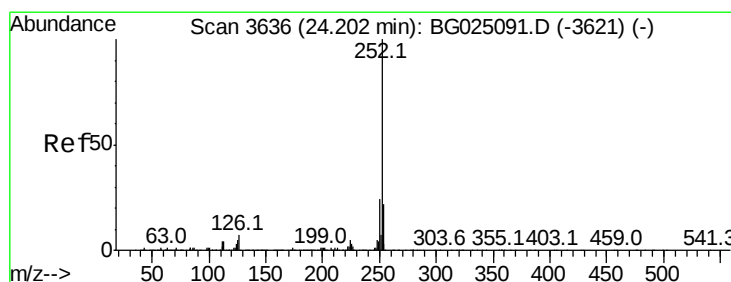
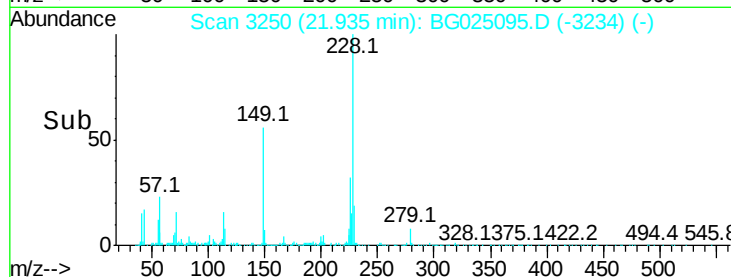
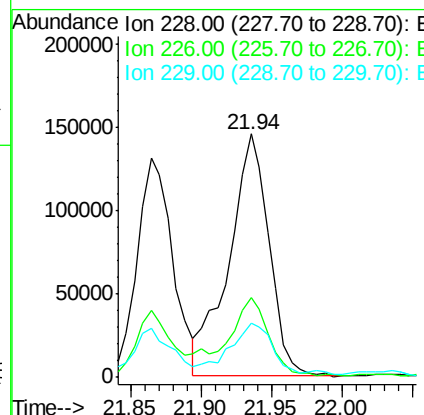
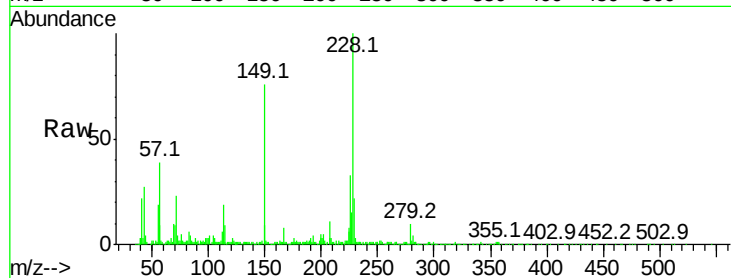




#82
Chrysene
Concen: 7.22 ng/ul
RT: 21.94 min Scan# 3250
Delta R.T. -0.00 min
Lab File: BG025095.D
Acq: 11 Dec 2016 9:00

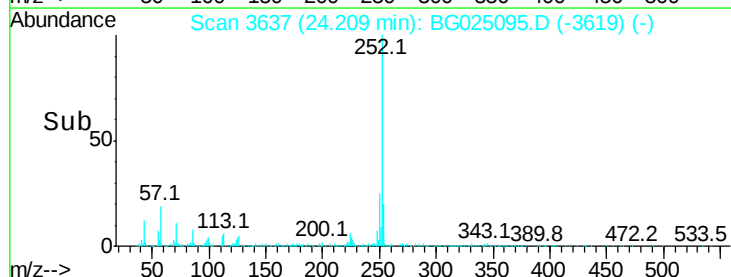
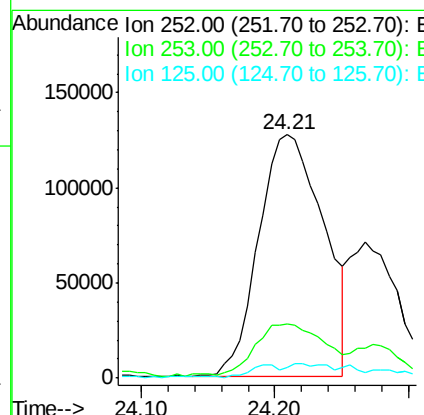
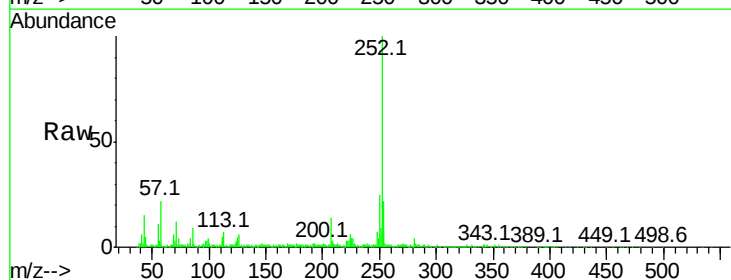
Instrument :
BNA_G
ClientSampled :

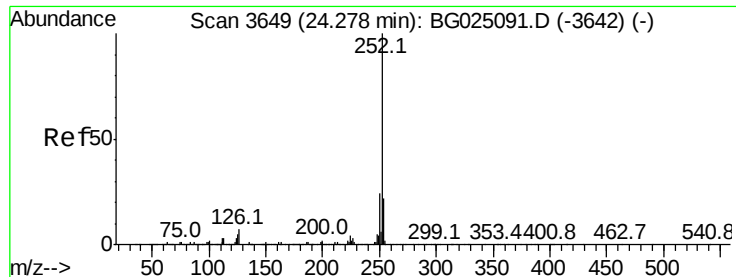
Tot Ion	Ratio	Lower	Upper
228	100		
226	32.8	24.0	36.0
229	22.3	16.9	25.3



#85
Benzo(b)fluoranthene
Concen: 10.18 ng/ul
RT: 24.21 min Scan# 3637
Delta R.T. 0.01 min
Lab File: BG025095.D
Acq: 11 Dec 2016 9:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	4.5	4.0	6.0





#86

Benzo(k)fluoranthene

Concen: 3.73 ng/ul

RT: 24.21 min Scan# 3637

Delta R.T. -0.07 min

Lab File: BG025095.D

Acq: 11 Dec 2016 9:00

Instrument :

BNA_G

ClientSampleId :

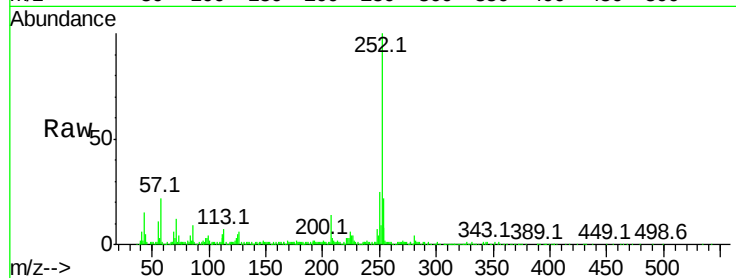
Tot Ion:252 Resp: 149932

Ion Ratio Lower Upper

252 100

253 22.1 18.5 27.7

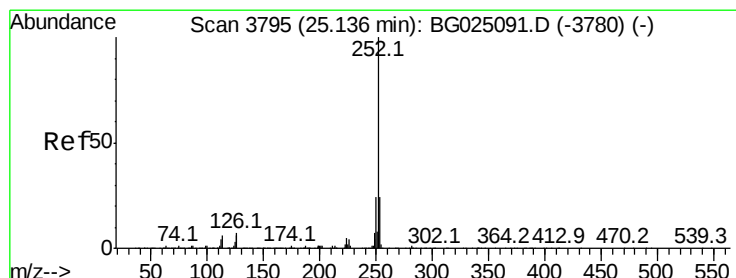
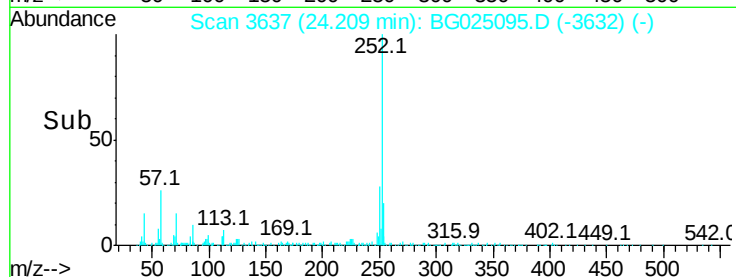
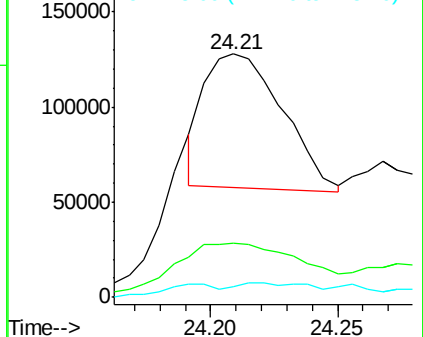
125 4.5 4.1 6.1



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



#88

Benzo(a)pyrene

Concen: 6.77 ng/ul

RT: 25.14 min Scan# 3795

Delta R.T. 0.00 min

Lab File: BG025095.D

Acq: 11 Dec 2016 9:00

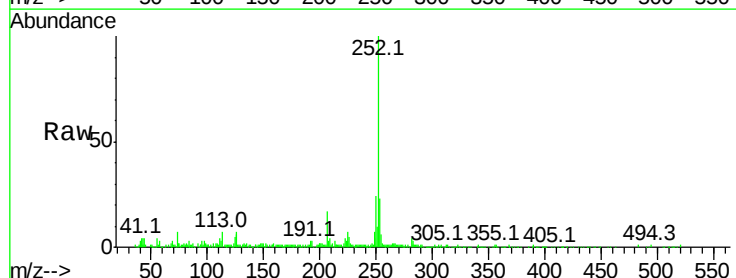
Tgt Ion:252 Resp: 275185

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.6

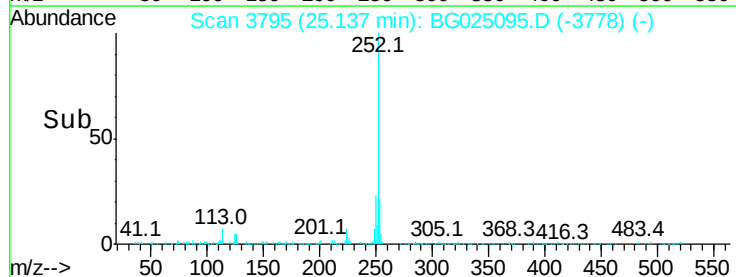
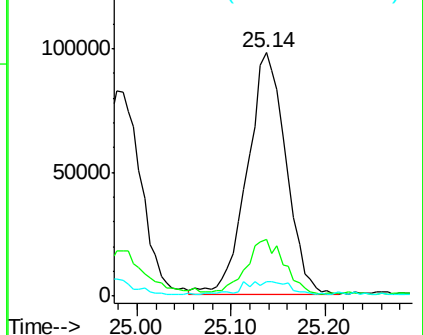
125 5.9 5.4 8.0

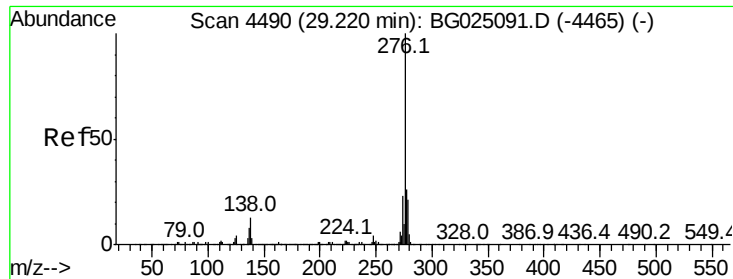


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Indeno(1,2,3-cd)pyrene

Concen: 4.80 ng/ul

RT: 29.21 min Scan# 4488

Delta R.T. -0.01 min

Lab File: BG025095.D

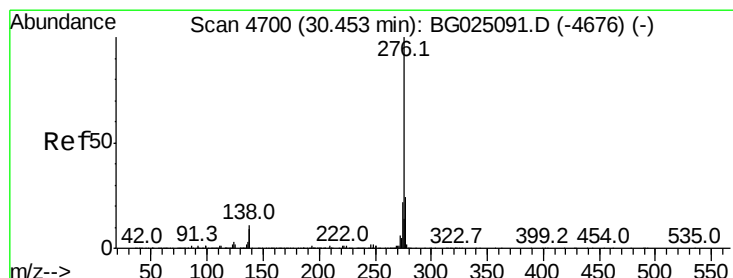
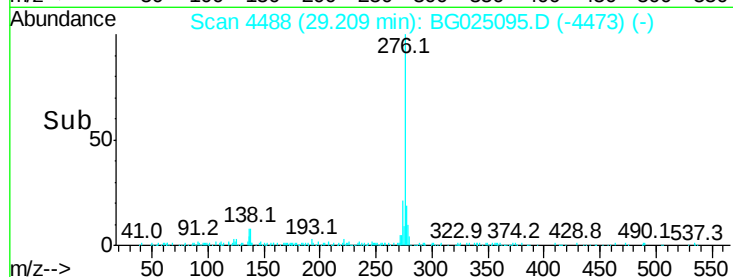
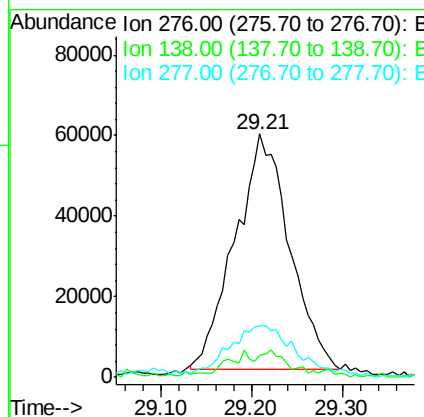
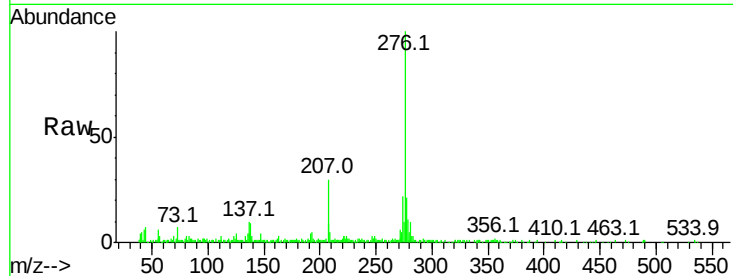
Acq: 11 Dec 2016 9:00

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	276	Resp:	242257
Ion	Ratio	Lower	Upper
276	100		
138	8.9	8.2	12.4
277	21.1	18.6	28.0



#91

Benzo(g,h,i)perylene

Concen: 2.59 ng/ul

RT: 30.43 min Scan# 4696

Delta R.T. -0.02 min

Lab File: BG025095.D

Acq: 11 Dec 2016 9:00

Tgt Ion:	276	Resp:	109252
Ion	Ratio	Lower	Upper
276	100		
138	9.5	8.6	12.8
277	21.1	17.6	26.4

