

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081517\
 Data File : BG028364.D
 Acq On : 16 Aug 2017 4:37
 Operator : SJ/JU
 Sample : I4672-17
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AG1

Quant Time: Aug 16 09:08:26 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 16 04:06:35 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	52779	20.00	ng/ul	0.00
18) Naphthalene-d8	11.18	136	227381	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.97	164	153084	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.72	188	350847	20.00	ng/ul	0.00
75) Chrysene-d12	22.05	240	389007	20.00	ng/ul	0.00
83) Perylene-d12	25.57	264	374625	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.86	96	4555	4.02	ng/uL	0.01
5) Phenol-d5	7.52	99	122186	21.08	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.67	67	79032	21.53	ng/ul	0.00
9) 2-Chlorophenol-d4	7.90	132	89646	24.51	ng/ul	0.00
13) 4-Methylphenol-d8	9.05	113	95360	19.68	ng/ul	0.00
19) Nitrobenzene-d5	9.53	128	46693	26.26	ng/ul	0.00
22) 2-Nitrophenol-d4	10.25	143	53947	27.67	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.79	165	98921	24.52	ng/ul	0.00
29) 4-Chloroaniline-d4	11.31	131	96522	21.50	ng/ul	0.00
43) Dimethylphthalate-d6	14.35	166	329749	24.22	ng/ul	0.00
46) Acenaphthylene-d8	14.66	160	396112	25.80	ng/ul	0.00
51) 4-Nitrophenol-d4	15.17	143	40903	18.89	ng/ul	0.00
57) Fluorene-d10	15.95	176	290176	23.76	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.08	200	51385	22.55	ng/ul	0.00
70) Anthracene-d10	17.72	188	350847	20.85	ng/ul	-0.10
76) Pyrene-d10	20.09	212	511418	25.64	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.33	264	470654	26.84	ng/ul	0.00

Target Compounds

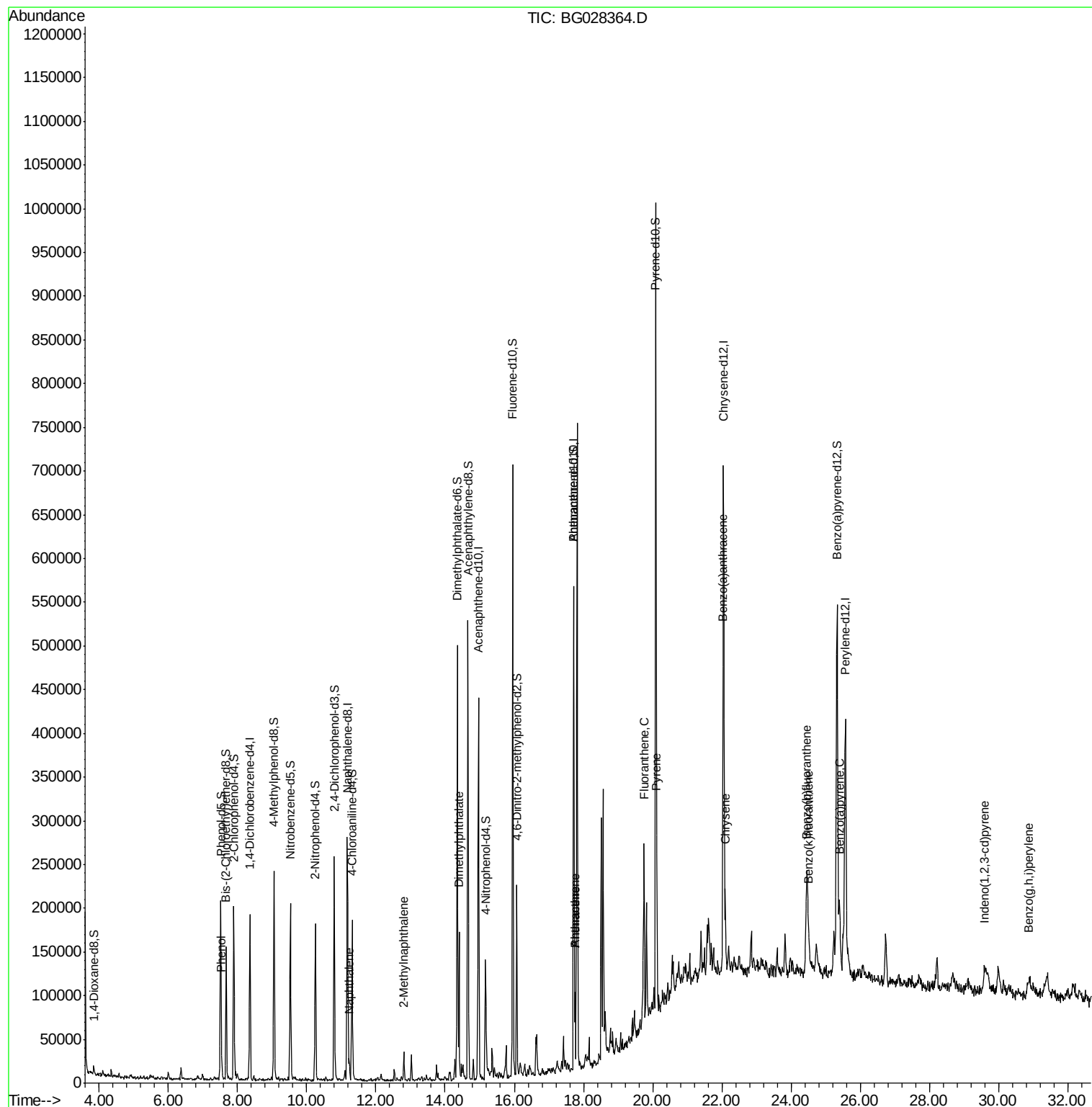
					Ovalue	
6) Phenol	7.54	94	6893	1.197	ng/ul#	95
28) Naphthalene	11.23	128	20112	1.786	ng/ul#	94
34) 2-Methylnaphthalene	12.81	142	16687	1.845	ng/ul	96
44) Dimethylphthalate	14.40	163	101337	8.083	ng/ul	97
69) Phenanthrene	17.76	178	52738	2.987	ng/ul	96
71) Anthracene	17.76	178	52738	2.922	ng/ul	97
74) Fluoranthene	19.75	202	117486	5.475	ng/ul	99
77) Pyrene	20.12	202	110192	4.748	ng/ul	98
80) Benzo(a)anthracene	22.03	228	83597	3.719	ng/ul	96
82) Chrysene	22.10	228	77331	3.820	ng/ul	99
85) Benzo(b)fluoranthene	24.44	252	133523	5.956	ng/ul#	93
86) Benzo(k)fluoranthene	24.51	252	41768	1.907	ng/ul#	96
88) Benzo(a)pyrene	25.40	252	88210	4.064	ng/ul#	87
89) Indeno(1,2,3-cd)pyrene	29.60	276	63052	2.481	ng/ul#	95
91) Benzo(g,h,i)perylene	30.89	276	44415	2.124	ng/ul#	89

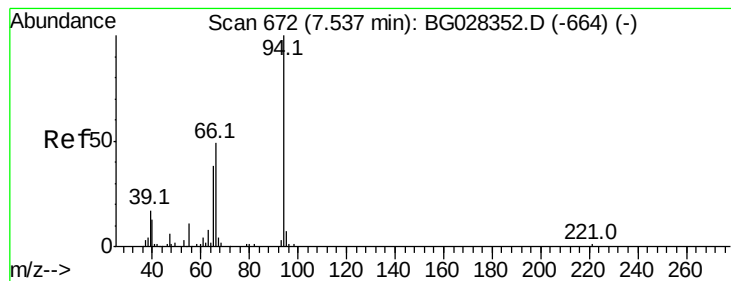
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 16 04:06:35 2017
Response via : Initial Calibration





#6

Phenol

Concen: 1.197 ng/ul

RT: 7.54 min Scan# 672

Delta R.T. 0.00 min

Lab File: BG028364.D

Acq: 16 Aug 2017 4:37

Instrument :

BNA_G

ClientSampled :

C0AG1

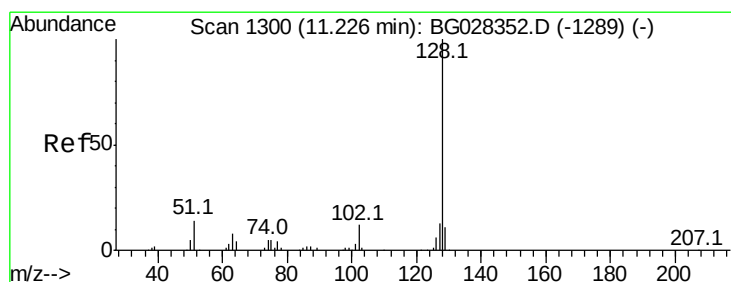
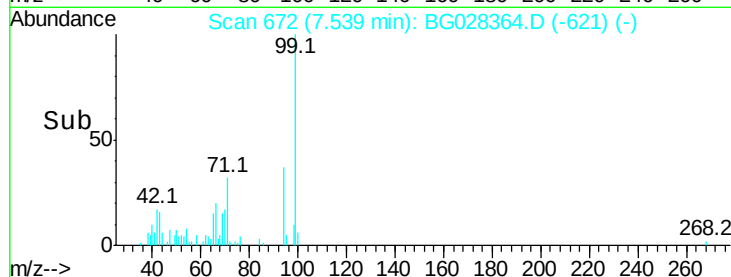
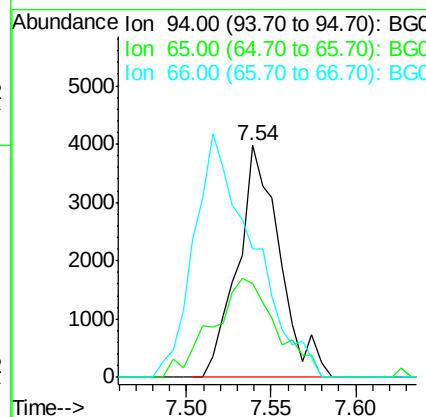
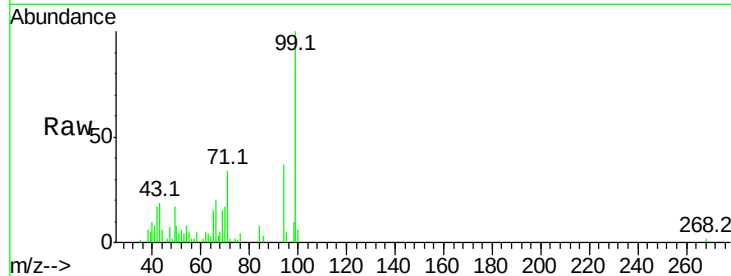
Tot Ion: 94 Resp: 6893

Ion Ratio Lower Upper

94 100

65 40.6 26.8 40.2#

66 55.1 44.4 66.6



#28

Naphthalene

Concen: 1.786 ng/ul

RT: 11.23 min Scan# 1300

Delta R.T. 0.00 min

Lab File: BG028364.D

Acq: 16 Aug 2017 4:37

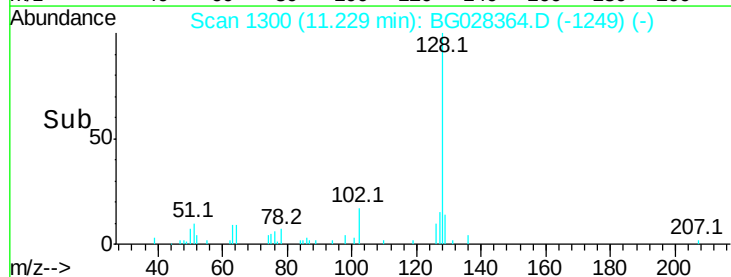
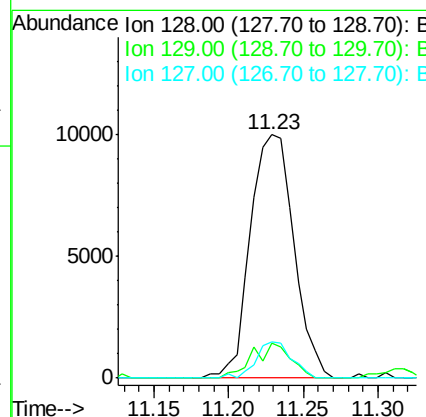
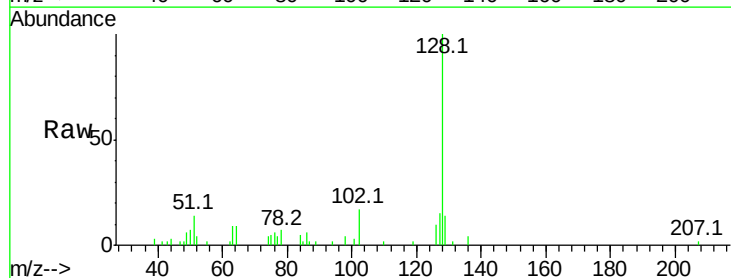
Tgt Ion:128 Resp: 20112

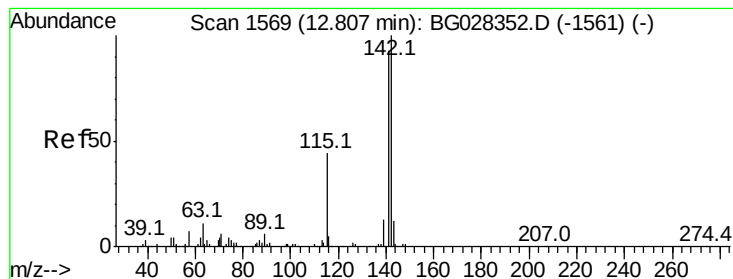
Ion Ratio Lower Upper

128 100

129 14.3 9.4 14.2#

127 14.8 10.3 15.5





#34

2-Methylnaphthalene

Concen: 1.845 ng/ul

RT: 12.81 min Scan# 1569

Delta R.T. 0.00 min

Lab File: BG028364.D

Acq: 16 Aug 2017 4:37

Instrument :

BNA_G

ClientSampleId :

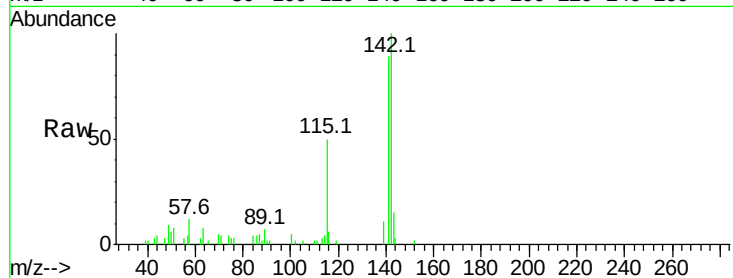
C0AG1

Tot Ion:142 Resp: 16687

Ion Ratio Lower Upper

142 100

141 89.0 68.6 102.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.81

8000

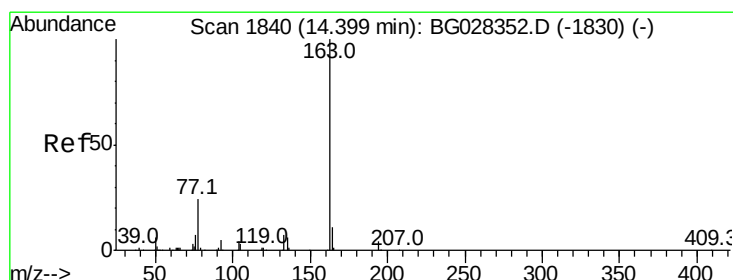
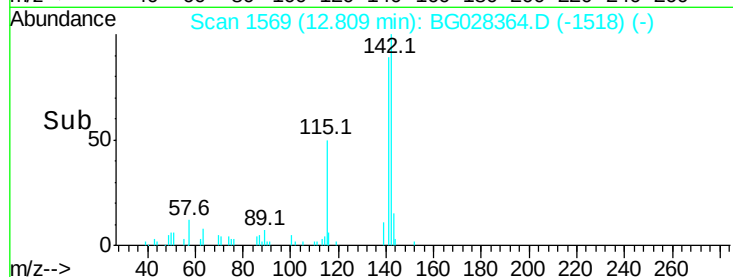
6000

4000

2000

0

Time--> 12.75 12.80 12.85 12.90



#44

Dimethylphthalate

Concen: 8.083 ng/ul

RT: 14.40 min Scan# 1840

Delta R.T. 0.00 min

Lab File: BG028364.D

Acq: 16 Aug 2017 4:37

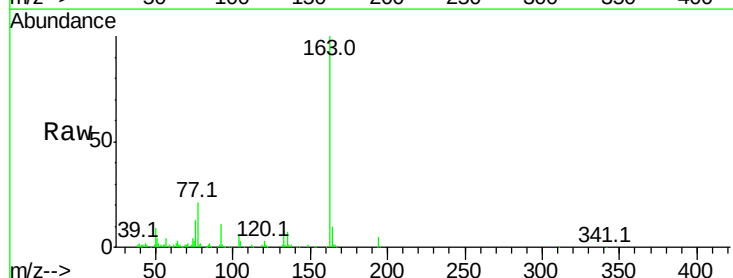
Tgt Ion:163 Resp: 101337

Ion Ratio Lower Upper

163 100

194 5.0 3.4 5.0

164 9.8 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

14.40

80000

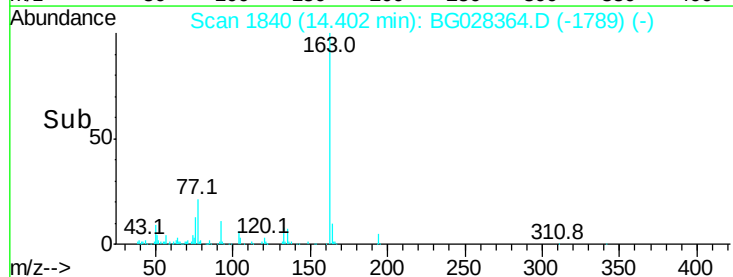
60000

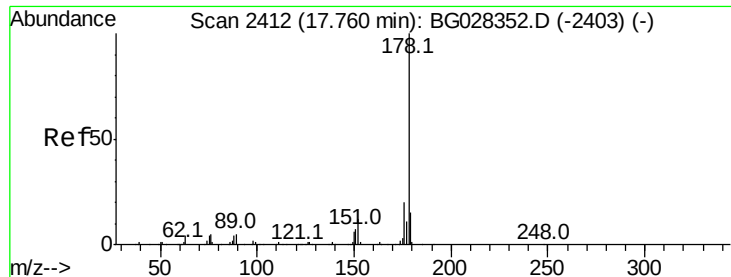
40000

20000

0

Time--> 14.30 14.40 14.50





#69

Phenanthrene

Concen: 2.987 ng/ul

RT: 17.76 min Scan# 2412

Delta R.T. 0.00 min

Lab File: BG028364.D

Acq: 16 Aug 2017 4:37

Instrument :

BNA_G

ClientSampleId :

C0AG1

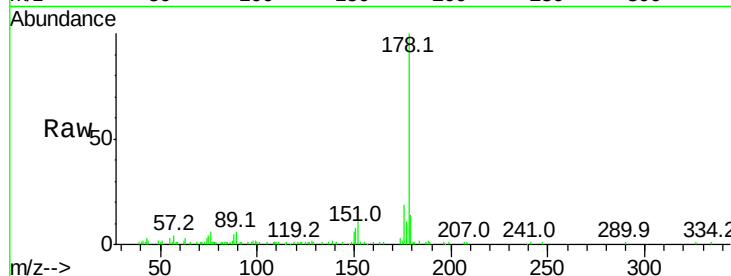
Tot Ion:178 Resp: 52738

Ion Ratio Lower Upper

178 100

179 14.0 12.4 18.6

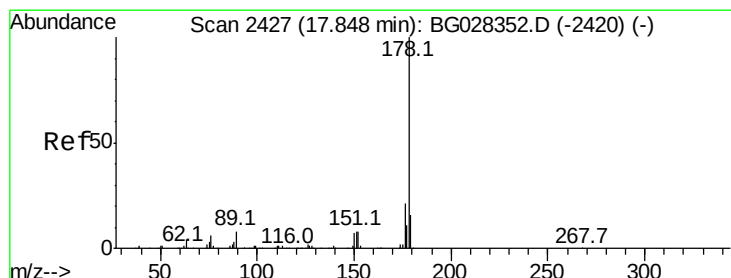
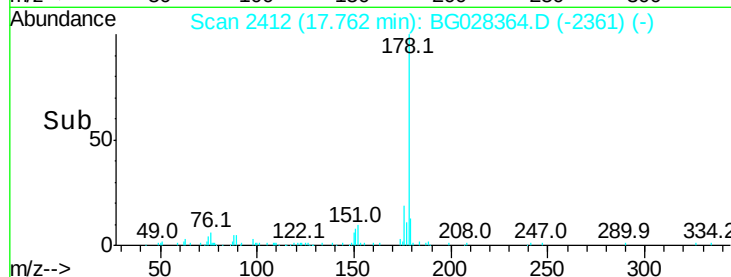
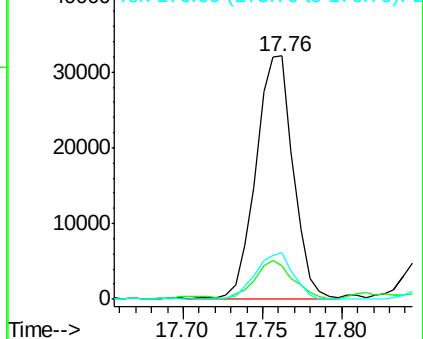
176 19.0 16.5 24.7



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: 2.922 ng/ul

RT: 17.76 min Scan# 2412

Delta R.T. -0.09 min

Lab File: BG028364.D

Acq: 16 Aug 2017 4:37

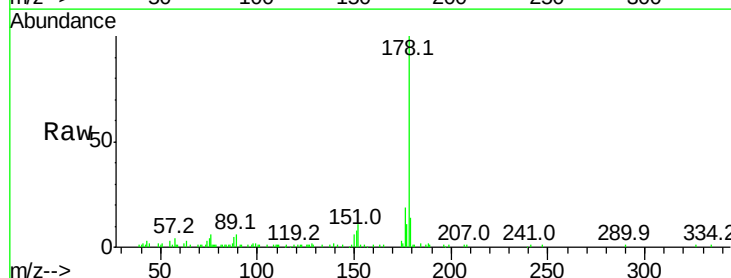
Tgt Ion:178 Resp: 52738

Ion Ratio Lower Upper

178 100

179 14.0 12.6 19.0

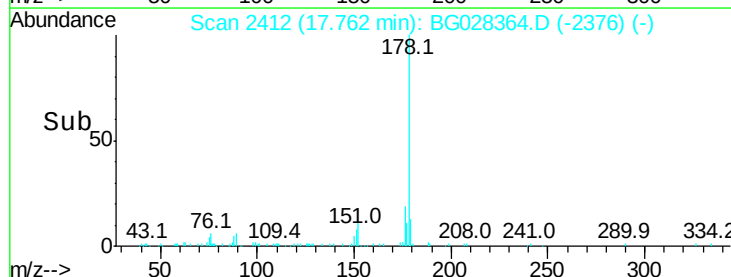
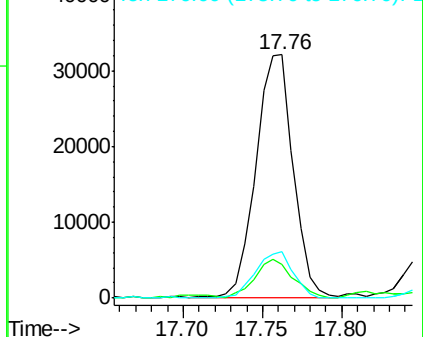
176 19.0 15.9 23.9

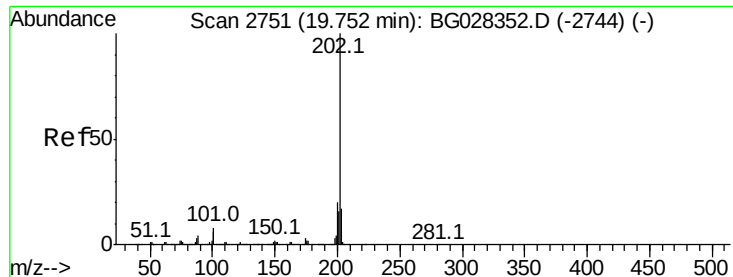


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 5.475 ng/ul

RT: 19.75 min Scan# 2751

Delta R.T. 0.00 min

Lab File: BG028364.D

Acq: 16 Aug 2017 4:37

Instrument :

BNA_G

ClientSampleId :

C0AG1

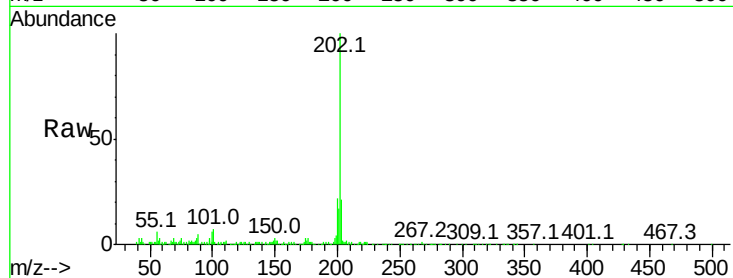
Tot Ion:202 Resp: 117486

Ion Ratio Lower Upper

202 100

101 7.5 6.2 9.2

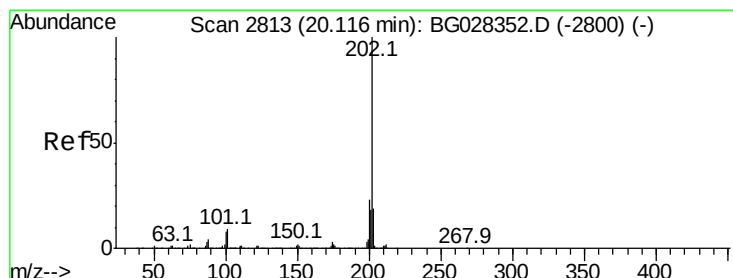
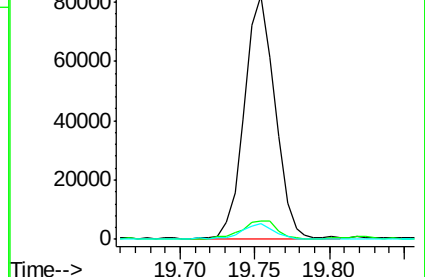
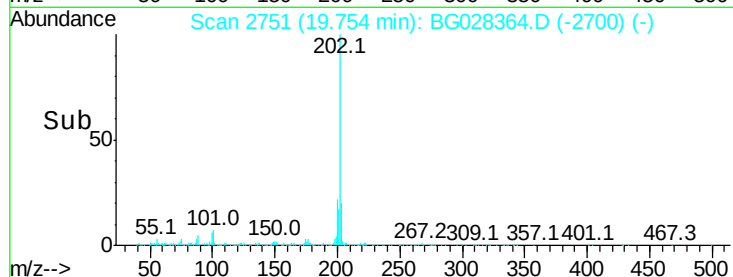
100 6.3 5.2 7.8



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

Pyrene

Concen: 4.748 ng/ul

RT: 20.12 min Scan# 2813

Delta R.T. 0.00 min

Lab File: BG028364.D

Acq: 16 Aug 2017 4:37

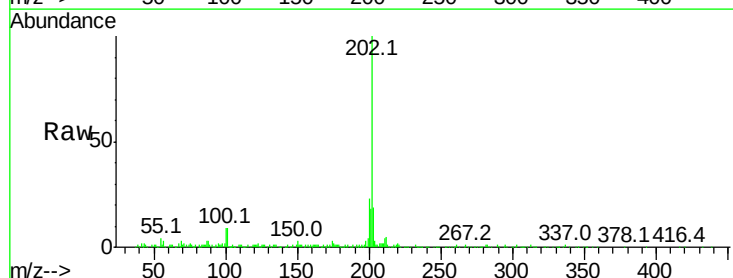
Tgt Ion:202 Resp: 110192

Ion Ratio Lower Upper

202 100

101 9.5 6.9 10.3

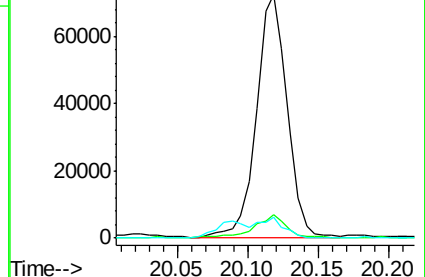
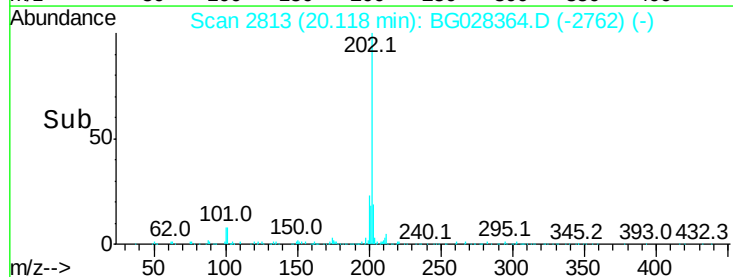
100 8.6 6.6 10.0

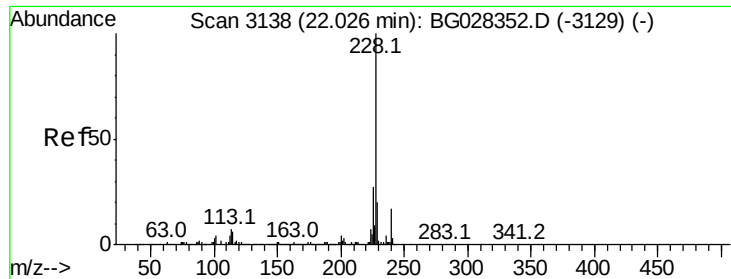


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 3.719 ng/ul

RT: 22.03 min Scan# 3138

Delta R.T. 0.00 min

Lab File: BG028364.D

Acq: 16 Aug 2017 4:37

Instrument :

BNA_G

ClientSampleId :

C0AG1

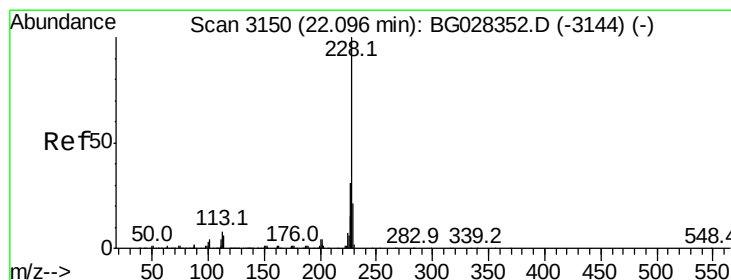
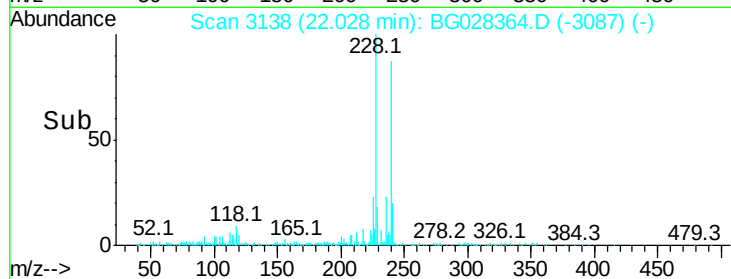
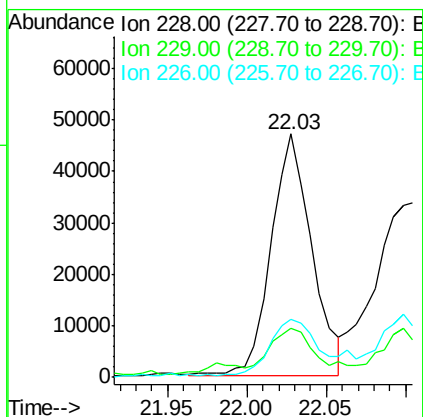
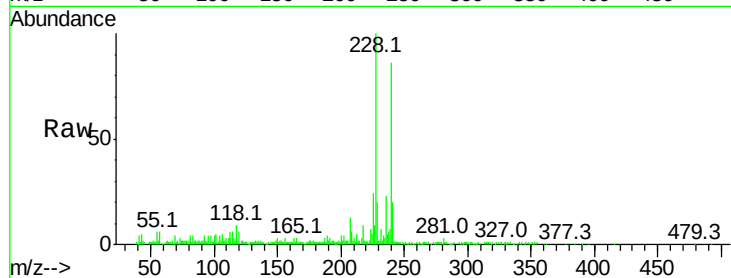
Tot Ion:228 Resp: 83597

Ion Ratio Lower Upper

228 100

229 20.3 16.3 24.5

226 23.9 21.9 32.9



#82

Chrysene

Concen: 3.820 ng/ul

RT: 22.10 min Scan# 3151

Delta R.T. 0.01 min

Lab File: BG028364.D

Acq: 16 Aug 2017 4:37

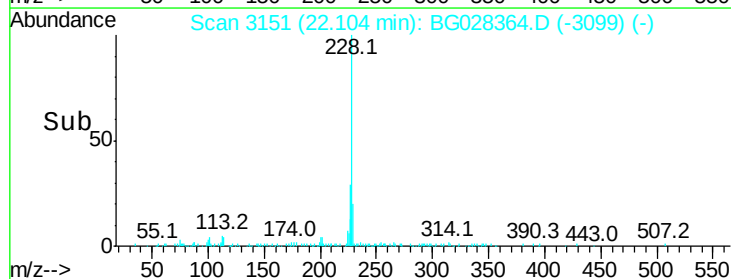
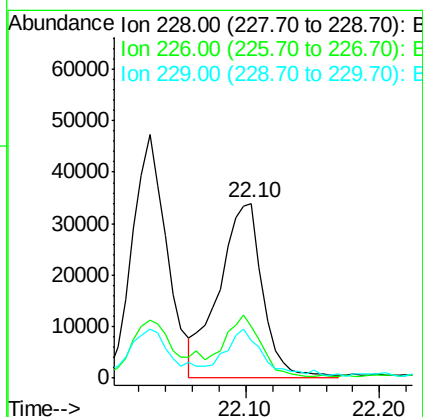
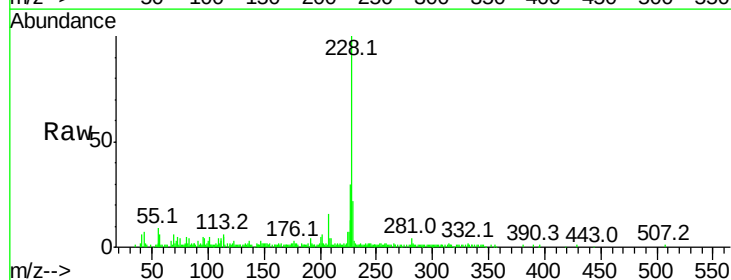
Tgt Ion:228 Resp: 77331

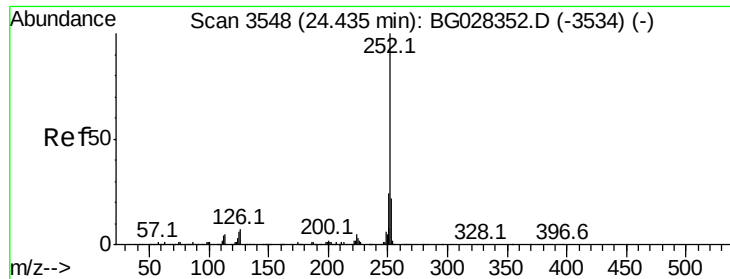
Ion Ratio Lower Upper

228 100

226 29.6 24.0 36.0

229 21.7 16.9 25.3





#85

Benzo(b)fluoranthene

Concen: 5.956 ng/ul

RT: 24.44 min Scan# 3549

Delta R.T. 0.01 min

Lab File: BG028364.D

Acq: 16 Aug 2017 4:37

Instrument :

BNA_G

ClientSampleId :

C0AG1

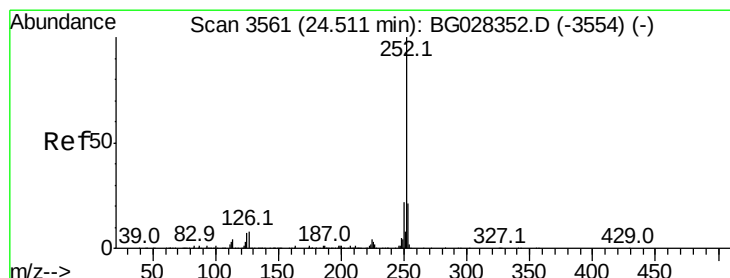
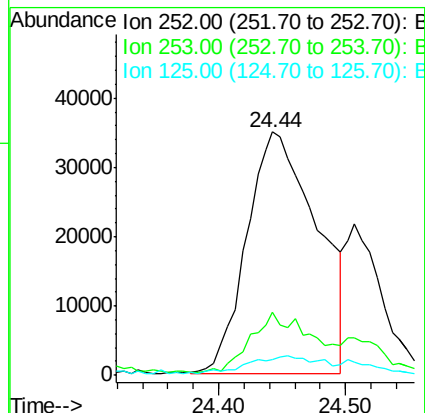
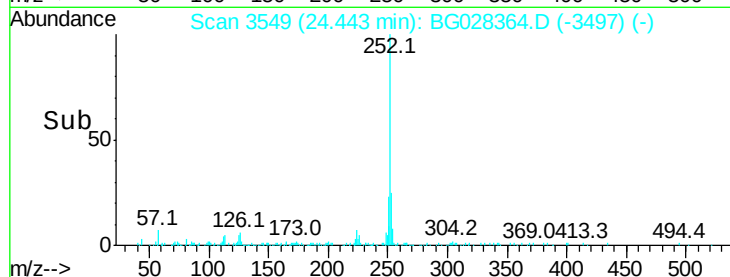
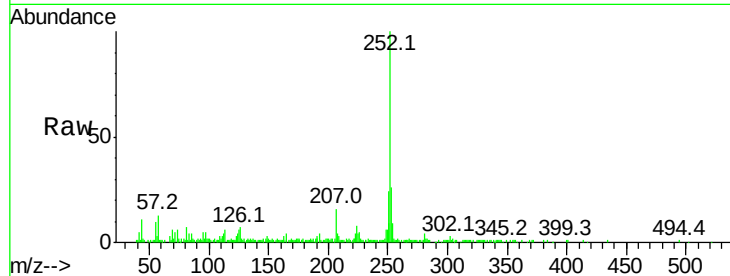
Tot Ion:252 Resp: 133523

Ion Ratio Lower Upper

252 100

253 25.8 17.7 26.5

125 6.4 4.0 6.0#



#86

Benzo(k)fluoranthene

Concen: 1.907 ng/ul

RT: 24.51 min Scan# 3560

Delta R.T. -0.00 min

Lab File: BG028364.D

Acq: 16 Aug 2017 4:37

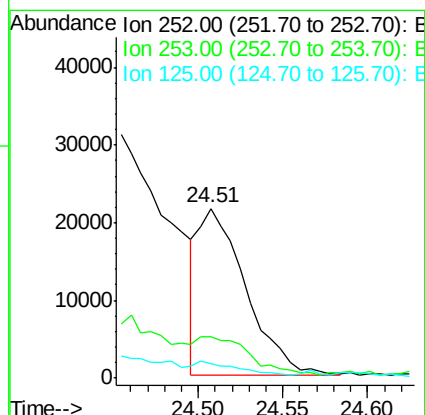
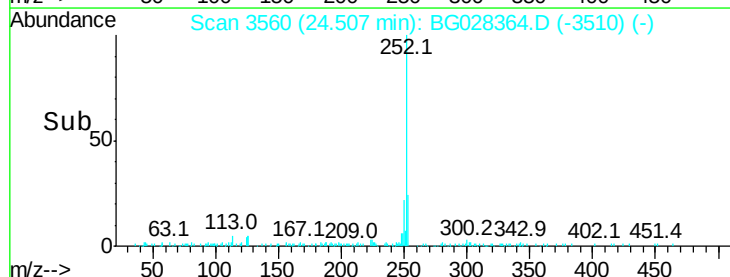
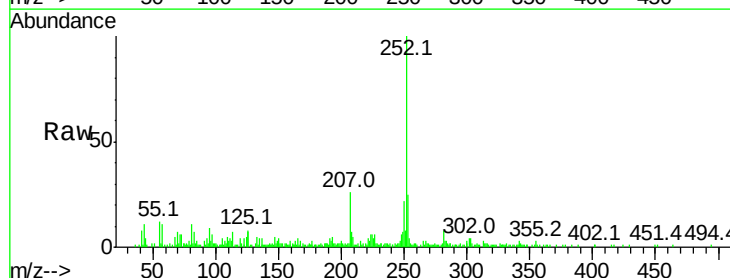
Tgt Ion:252 Resp: 41768

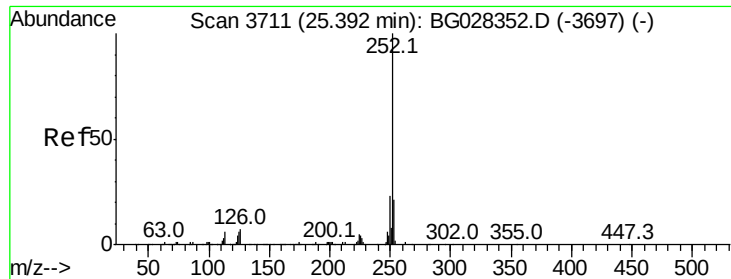
Ion Ratio Lower Upper

252 100

253 24.7 18.5 27.7

125 8.5 4.1 6.1#





#88

Benzo(a)pyrene

Concen: 4.064 ng/ul

RT: 25.40 min Scan# 3712

Delta R.T. 0.01 min

Lab File: BG028364.D

Acq: 16 Aug 2017 4:37

Instrument :

BNA_G

ClientSampleId :

C0AG1

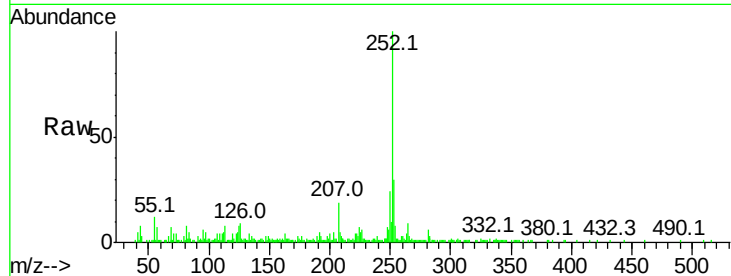
Tot Ion:252 Resp: 88210

Ion Ratio Lower Upper

252 100

253 29.6 17.8 26.6#

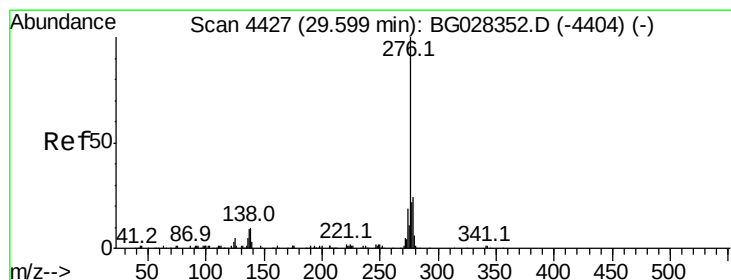
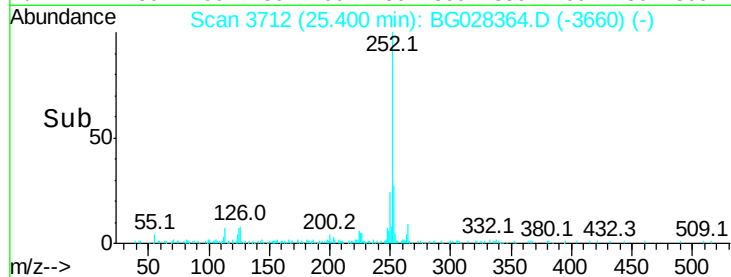
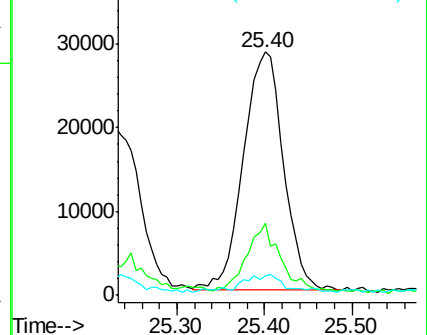
125 8.0 5.4 8.0#



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: 2.481 ng/ul

RT: 29.60 min Scan# 4426

Delta R.T. -0.00 min

Lab File: BG028364.D

Acq: 16 Aug 2017 4:37

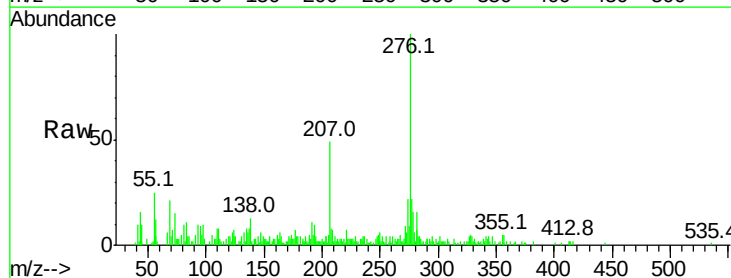
Tgt Ion:276 Resp: 63052

Ion Ratio Lower Upper

276 100

138 13.4 8.2 12.4#

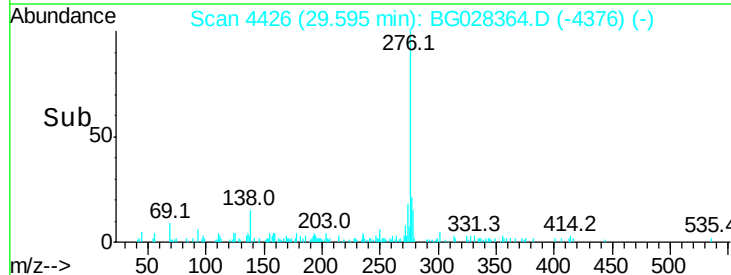
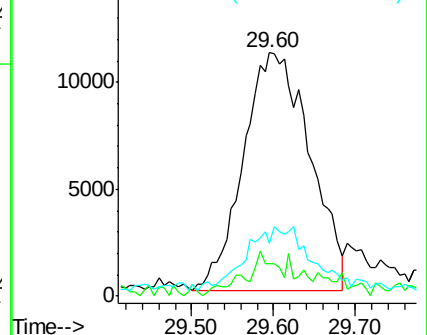
277 21.8 18.6 28.0

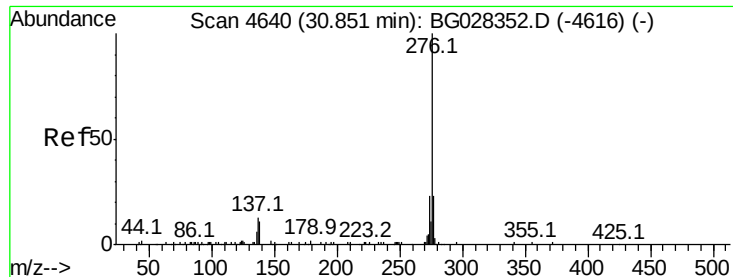


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#91

Benzo(a,h,i)perylene

Concen: 2.124 ng/ul

RT: 30.89 min Scan# 4646

Delta R.T. 0.04 min

Lab File: BG028364.D

Acq: 16 Aug 2017 4:37

Instrument :

BNA_G

ClientSampleId :

C0AG1

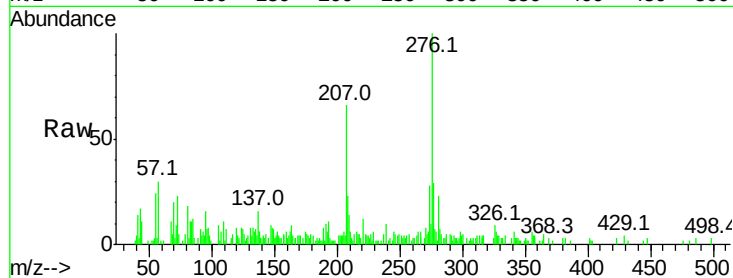
Tot Ion:276 Resp: 44415

Ion Ratio Lower Upper

276 100

138 12.8 8.6 12.8

277 28.6 17.6 26.4



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

