

Data Path : U:\HPCHEM1\BNA G\DATA\BG082217\
 Data File : BG028427.D
 Acq On : 22 Aug 2017 21:18
 Operator : SJ/JU
 Sample : I4714-01DL 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E7GD3DL

Quant Time: Aug 23 07:07:20 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 23 07:06:03 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.34	152	39438	20.00	ng/ul	0.00
18) Naphthalene-d8	11.16	136	187520	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.95	164	145542	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.80	188	130035	20.00	ng/ul	0.10
75) Chrysene-d12	22.03	240	380180	20.00	ng/ul	0.00
83) Perylene-d12	25.53	264	367322	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	4.05	96	58	0.07	ng/uL	0.23
5) Phenol-d5	7.50	99	25554	5.90	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.66	67	16417	5.99	ng/ul	0.00
9) 2-Chlorophenol-d4	7.87	132	20013	7.32	ng/ul	0.00
13) 4-Methylphenol-d8	9.04	113	22070	6.10	ng/ul	0.00
19) Nitrobenzene-d5	9.51	128	10706	7.30	ng/ul	0.00
22) 2-Nitrophenol-d4	10.24	143	12500	7.78	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.79	165	23863	7.17	ng/ul	0.00
29) 4-Chloroaniline-d4	11.30	131	24052	6.50	ng/ul	0.00
43) Dimethylphthalate-d6	14.34	166	94175	7.27	ng/ul	0.00
46) Acenaphthylene-d8	14.65	160	105363	7.22	ng/ul	0.00
51) 4-Nitrophenol-d4	15.17	143	5057	2.46	ng/ul	0.02
57) Fluorene-d10	15.94	176	83089	7.15	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.06	200	5817	6.89	ng/ul	0.00
70) Anthracene-d10	17.80	188	130035	20.85	ng/ul	0.00
76) Pyrene-d10	20.08	212	153499	7.87	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.29	264	137368	7.99	ng/ul	0.00

Target Compounds

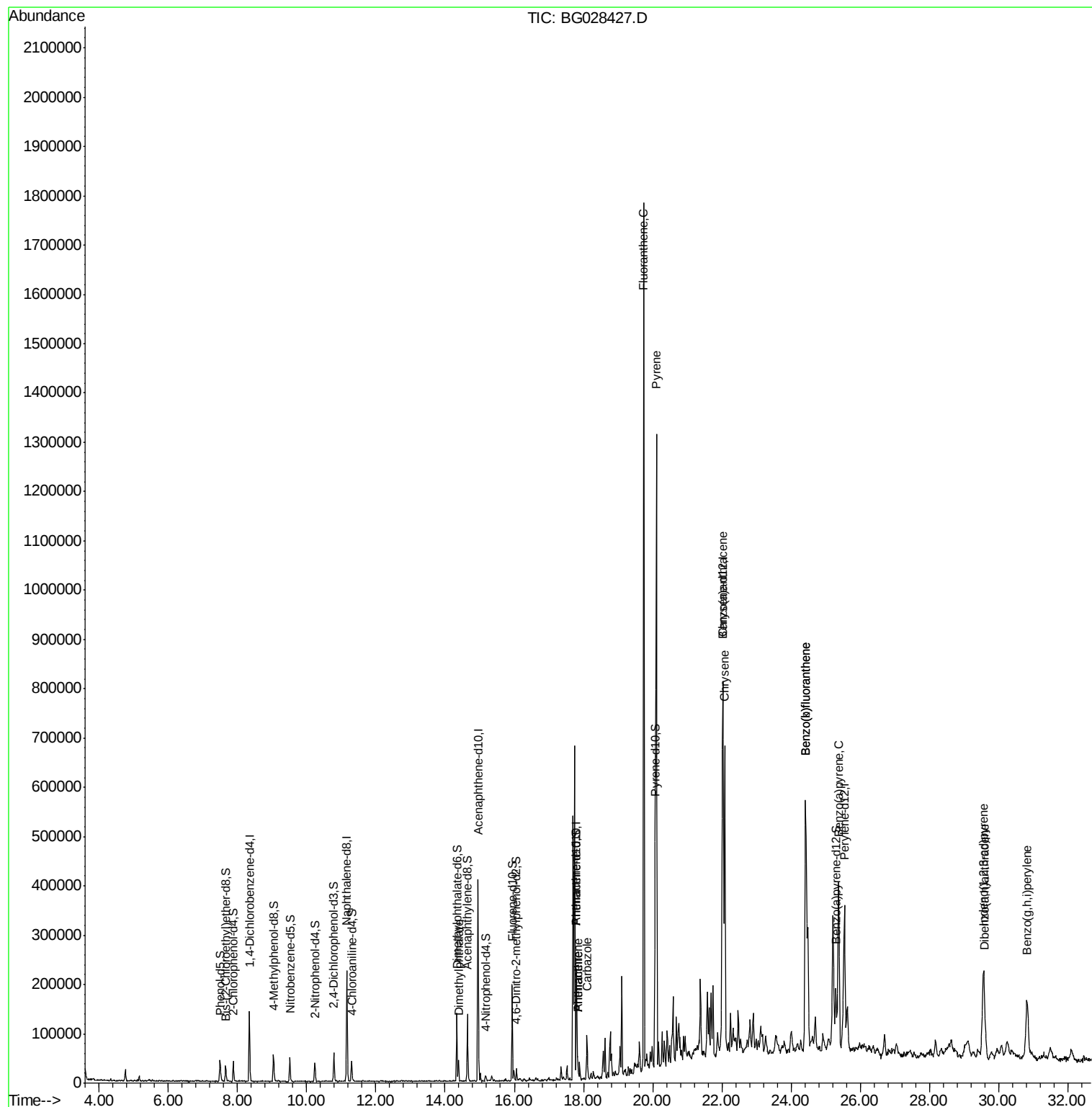
					Ovalue	
44) Dimethylphthalate	14.38	163	26962	2.262	ng/ul#	97
69) Phenanthrene	17.83	178	31412	4.800	ng/ul	99
71) Anthracene	17.83	178	31412	4.697	ng/ul	99
72) Carbazole	18.10	167	58424	10.044	ng/ul	99
74) Fluoranthene	19.74	202	1142188	143.617	ng/ul	99
77) Pyrene	20.11	202	879225	38.763	ng/ul	98
80) Benzo(a)anthracene	22.02	228	394375	17.953	ng/ul	98
82) Chrysene	22.09	228	514951	26.030	ng/ul	99
85) Benzo(b)fluoranthene	24.42	252	688550	31.325	ng/ul	99
86) Benzo(k)fluoranthene	24.42	252	688550	32.069	ng/ul	98
88) Benzo(a)pyrene	25.37	252	408929	19.214	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	29.56	276	346153	13.889	ng/ul	96
90) Dibenzo(a,h)anthracene	29.59	278	43322	2.074	ng/ul	98
91) Benzo(g,h,i)perylene	30.81	276	283484	13.826	ng/ul	97

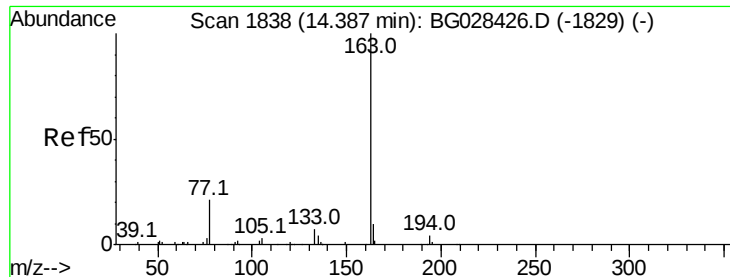
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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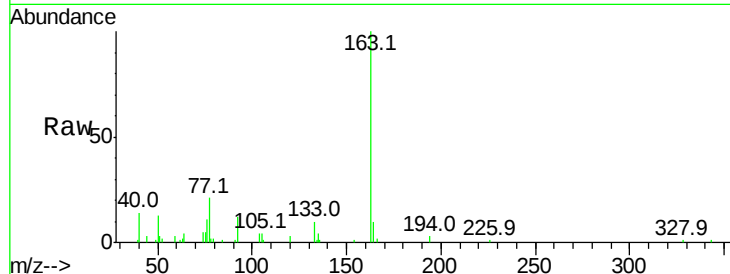




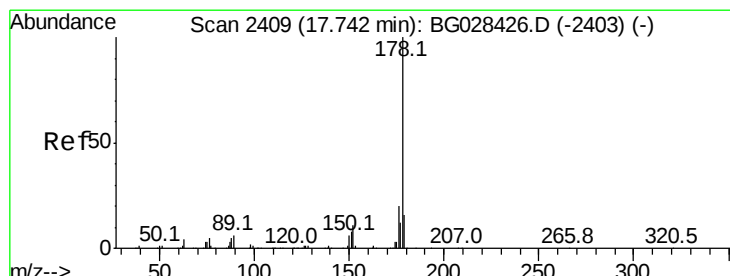
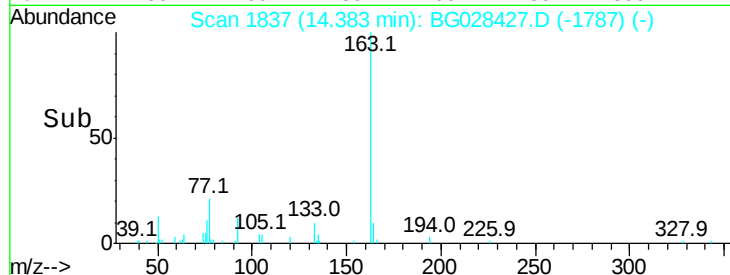
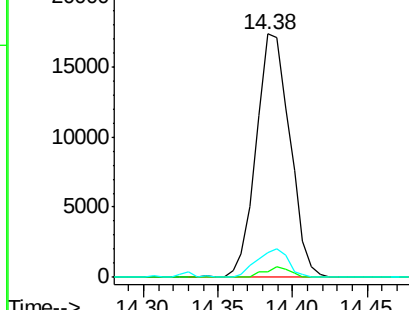
#44
Dimethylphthalate
Concen: 2.262 ng/ul
RT: 14.38 min Scan# 1837
Delta R.T. -0.00 min
Lab File: BG028427.D
Acq: 22 Aug 2017 21:18

Instrument :
BNA_G
ClientSampleId :
E7GD3DL

Tot Ion	Ratio	Lower	Upper
163	100		
194	2.5	3.4	5.0#
164	10.1	9.0	13.4

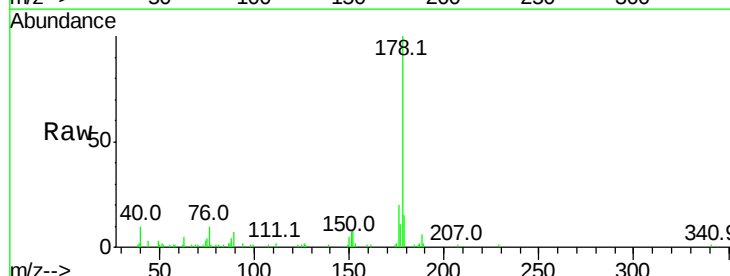


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

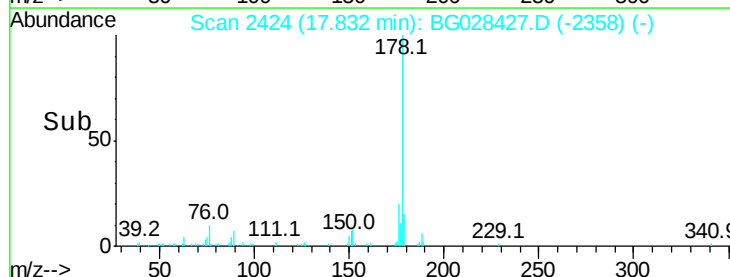
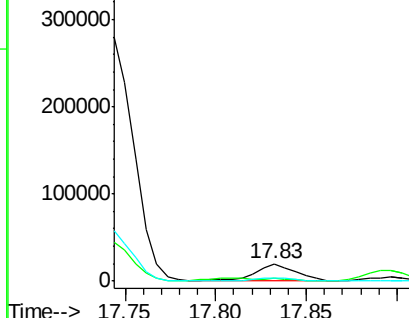


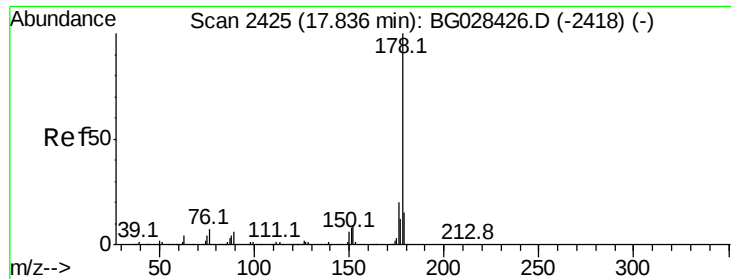
#69
Phenanthrene
Concen: 4.800 ng/ul
RT: 17.83 min Scan# 2424
Delta R.T. 0.09 min
Lab File: BG028427.D
Acq: 22 Aug 2017 21:18

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.4	18.6
176	20.0	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

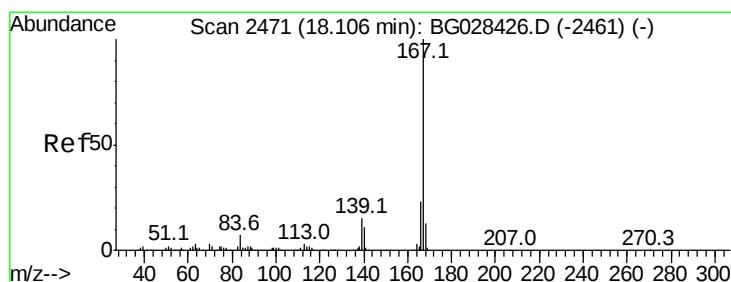
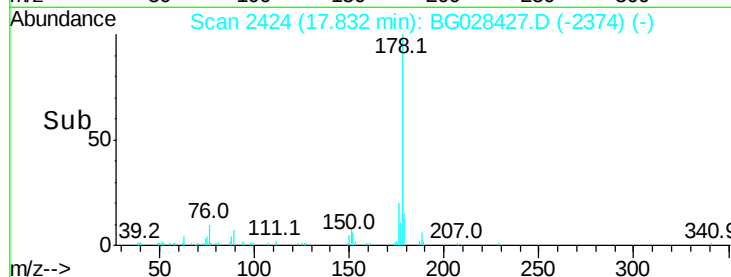
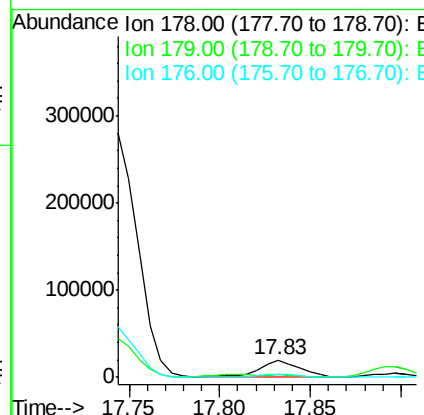
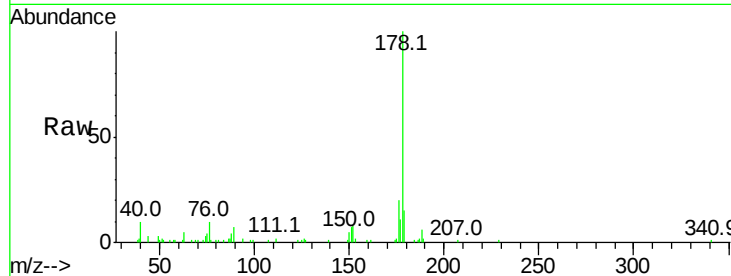




#71
 Anthracene
 Concen: 4.697 ng/ul
 RT: 17.83 min Scan# 2424
 Delta R.T. -0.00 min
 Lab File: BG028427.D
 Acq: 22 Aug 2017 21:18

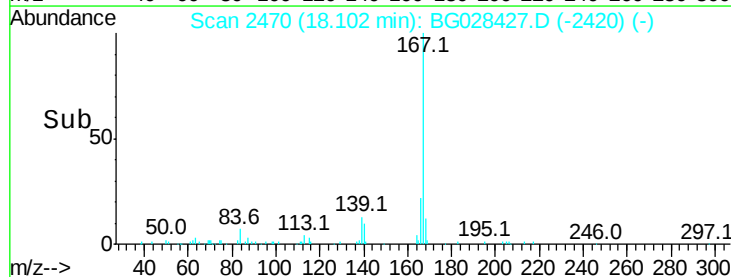
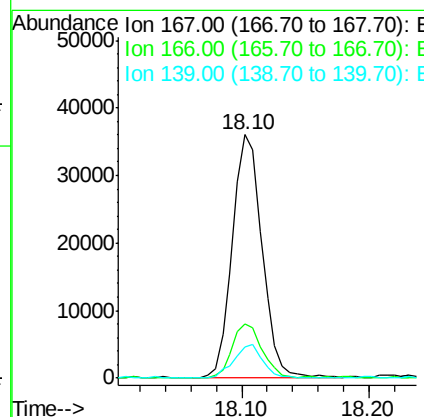
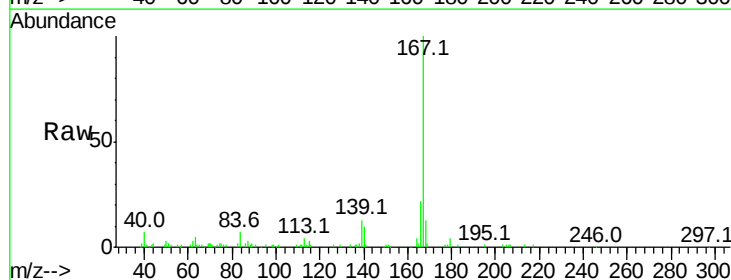
Instrument :
 BNA_G
 ClientSampleId :
 E7GD3DL

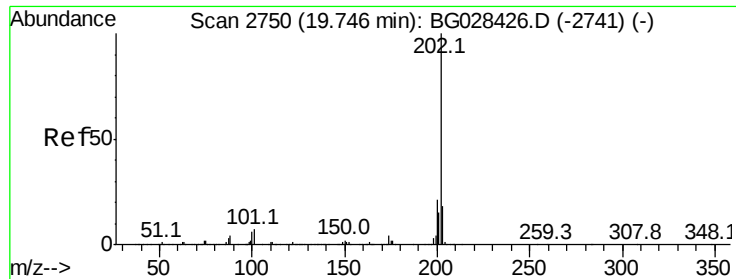
Tot Ion:178 Resp: 31412
 Ion Ratio Lower Upper
 178 100
 179 15.2 12.6 19.0
 176 20.0 15.9 23.9



#72
 Carbazole
 Concen: 10.044 ng/ul
 RT: 18.10 min Scan# 2470
 Delta R.T. -0.00 min
 Lab File: BG028427.D
 Acq: 22 Aug 2017 21:18

Tgt Ion:167 Resp: 58424
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.9 26.9
 139 12.7 10.5 15.7





#74

Fluoranthene

Concen: 143.617 ng/ul

RT: 19.74 min Scan# 2749

Delta R.T. -0.00 min

Lab File: BG028427.D

Acq: 22 Aug 2017 21:18

Instrument :

BNA_G

ClientSampleId :

E7GD3DL

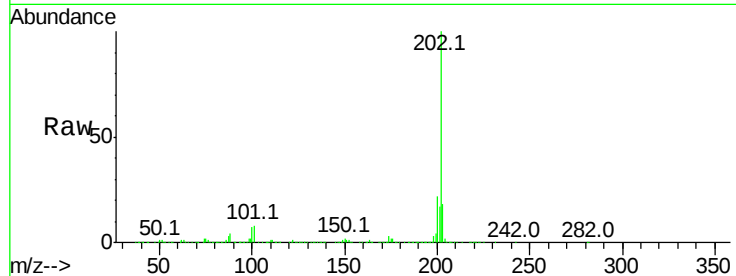
Tot Ion:202 Resp: 1142188

Ion Ratio Lower Upper

202 100

101 8.1 6.2 9.2

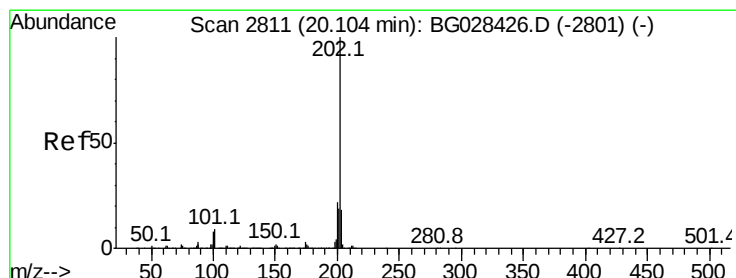
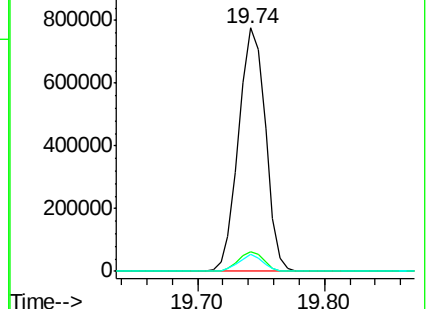
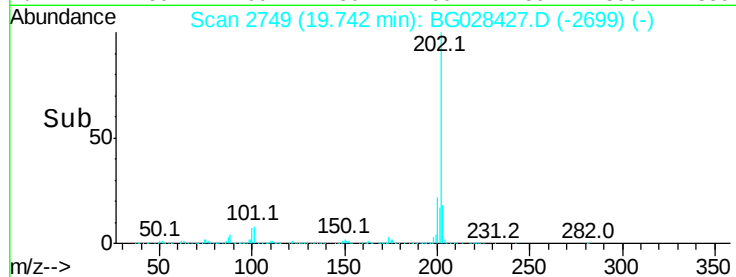
100 6.8 5.2 7.8



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: 38.763 ng/ul

RT: 20.11 min Scan# 2811

Delta R.T. 0.00 min

Lab File: BG028427.D

Acq: 22 Aug 2017 21:18

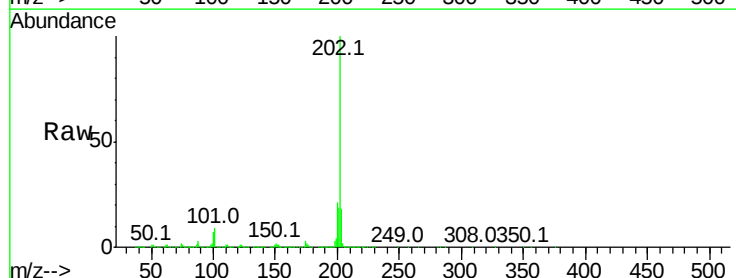
Tgt Ion:202 Resp: 879225

Ion Ratio Lower Upper

202 100

101 8.9 6.9 10.3

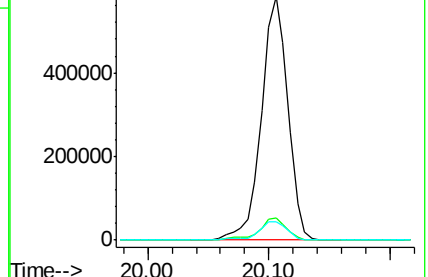
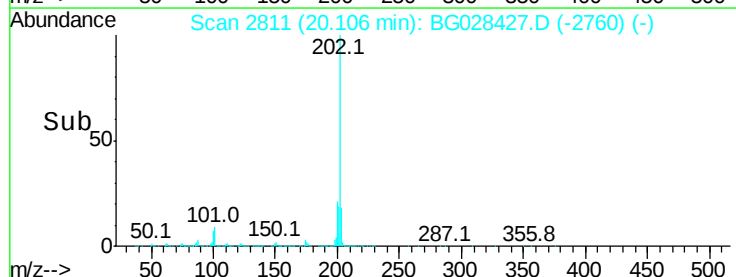
100 7.4 6.6 10.0

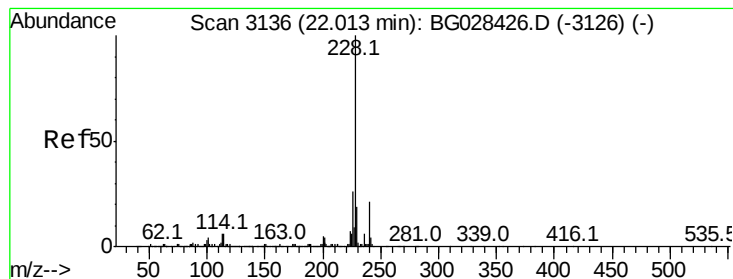


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 17.953 ng/ul

RT: 22.02 min Scan# 3136

Delta R.T. 0.00 min

Lab File: BG028427.D

Acq: 22 Aug 2017 21:18

Instrument :

BNA_G

ClientSampleId :

E7GD3DL

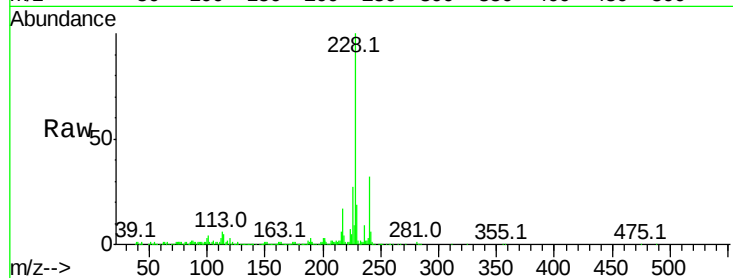
Tot Ion:228 Resp: 394375

Ion	Ratio	Lower	Upper
228	100		
229	18.9	16.3	24.5
226	27.0	21.9	32.9

228 100

229 18.9 16.3 24.5

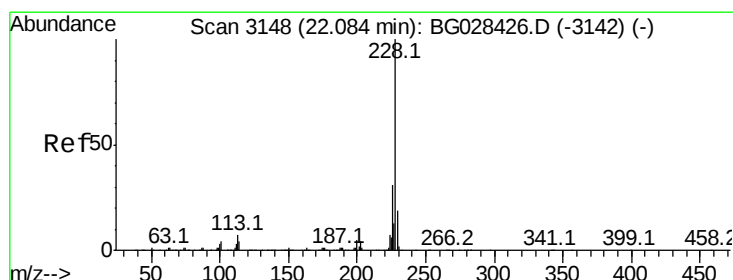
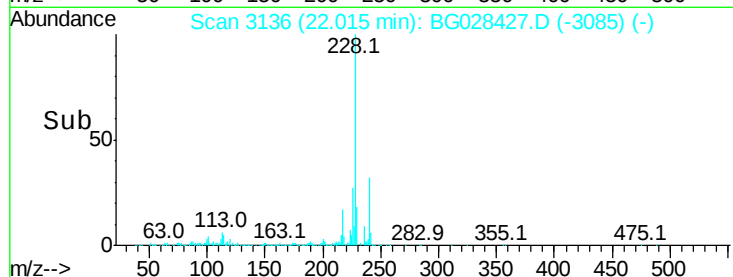
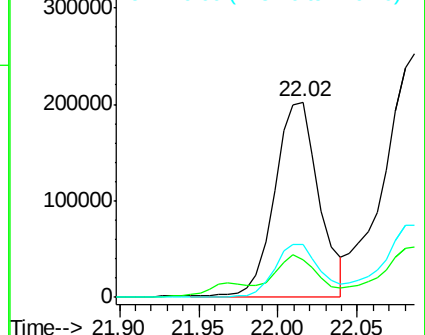
226 27.0 21.9 32.9



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: 26.030 ng/ul

RT: 22.09 min Scan# 3148

Delta R.T. 0.00 min

Lab File: BG028427.D

Acq: 22 Aug 2017 21:18

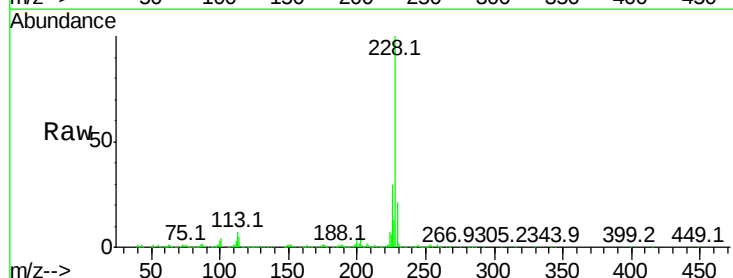
Tgt Ion:228 Resp: 514951

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.0	36.0
229	20.8	16.9	25.3

228 100

226 29.6 24.0 36.0

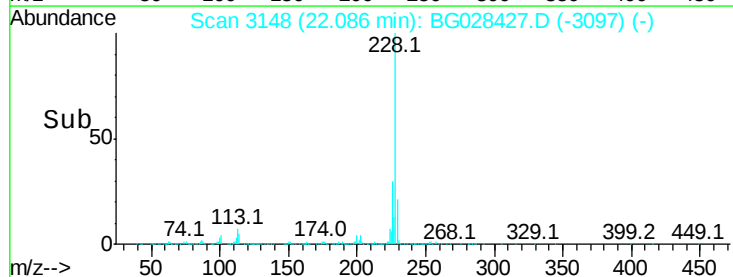
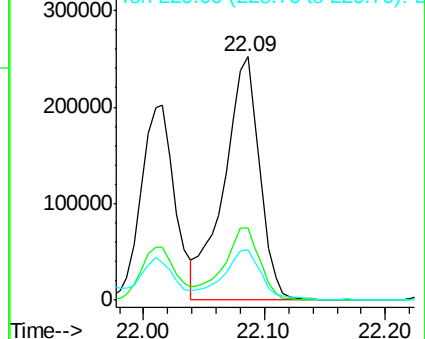
229 20.8 16.9 25.3

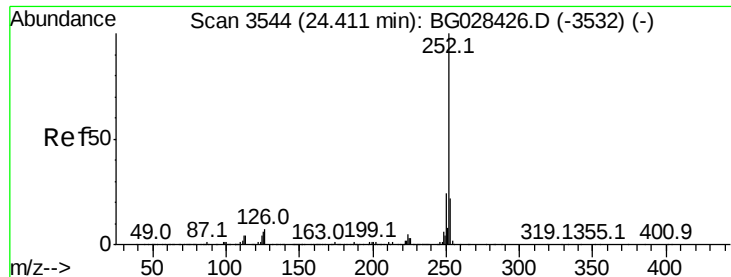


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 31.325 ng/ul

RT: 24.42 min Scan# 3546

Delta R.T. 0.01 min

Lab File: BG028427.D

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Instrument :

BNA_G

ClientSampleId :

E7GD3DL

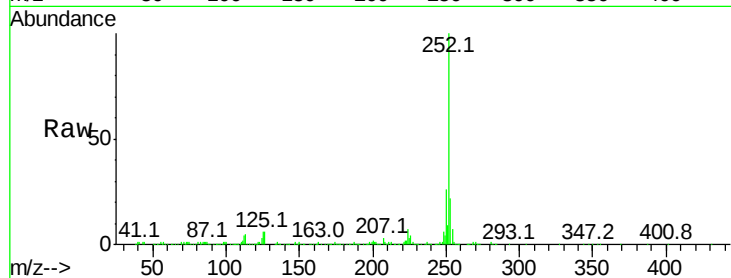
Tot Ion:252 Resp: 688550

Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

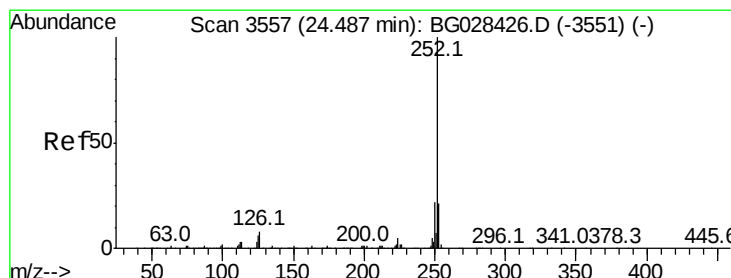
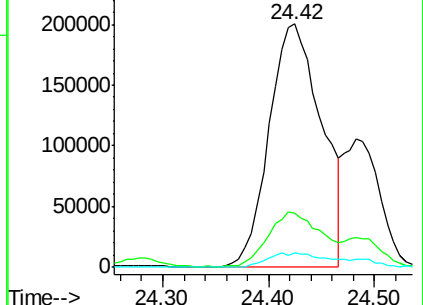
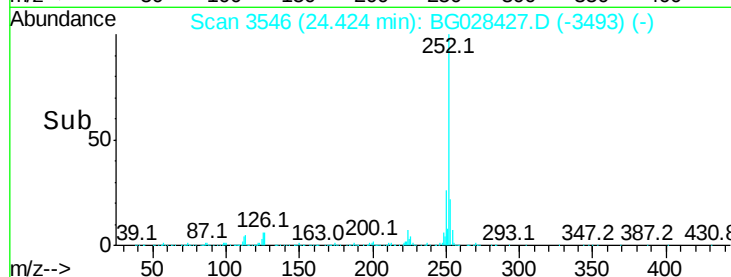
125 6.0 4.0 6.0



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



#86

Benzo(k)fluoranthene

Concen: 32.069 ng/ul

RT: 24.42 min Scan# 3546

Delta R.T. -0.06 min

Lab File: BG028427.D

Acq: 22 Aug 2017 21:18

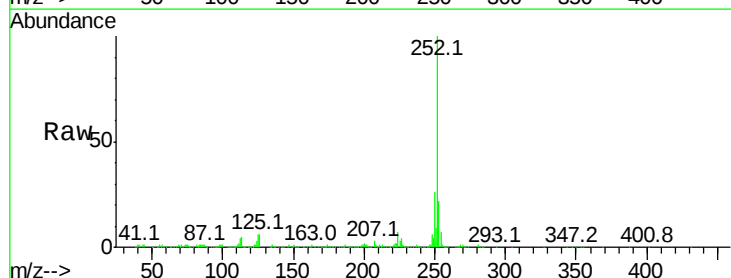
Tgt Ion:252 Resp: 688550

Ion Ratio Lower Upper

252 100

253 22.1 18.5 27.7

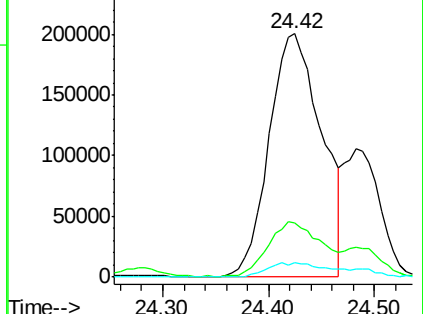
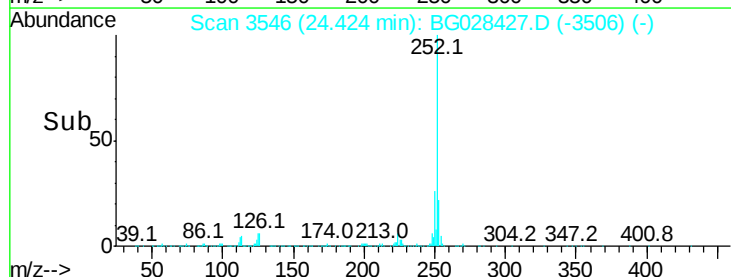
125 6.0 4.1 6.1

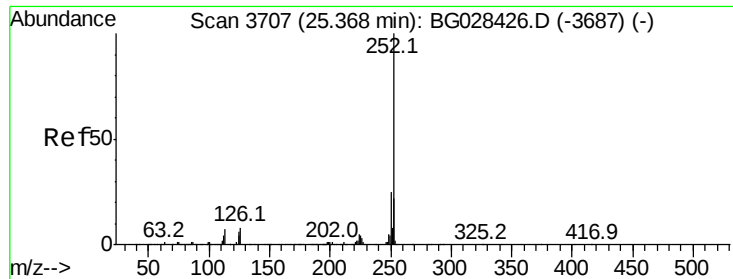


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 19.214 ng/ul

RT: 25.37 min Scan# 3707

Delta R.T. 0.00 min

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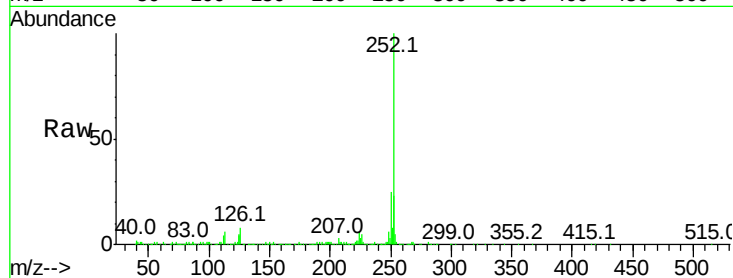
Tot Ion:252 Resp: 408929

Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.6

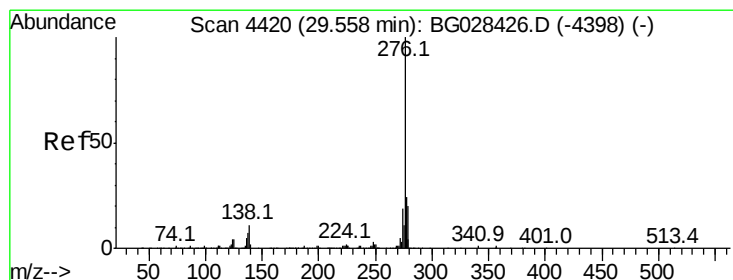
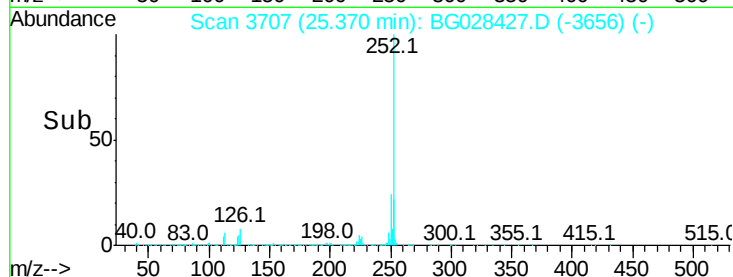
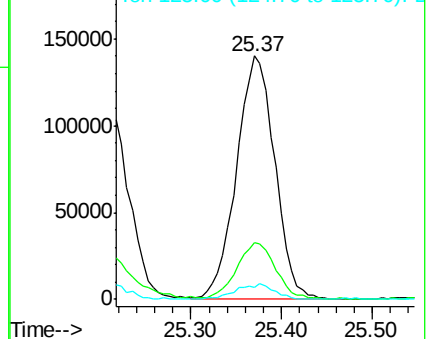
125 4.9 5.4 8.0#



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: 13.889 ng/ul

RT: 29.56 min Scan# 4420

Delta R.T. 0.00 min

Lab File: BG028427.D

Acq: 22 Aug 2017 21:18

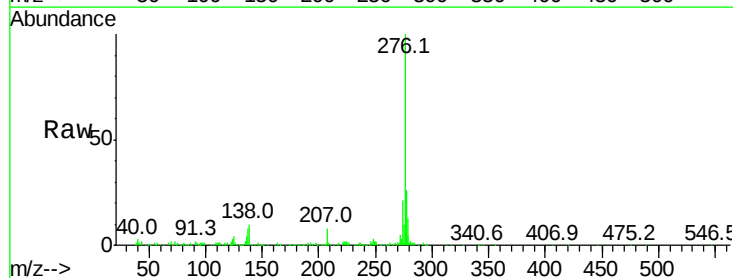
Tgt Ion:276 Resp: 346153

Ion Ratio Lower Upper

276 100

138 10.2 8.2 12.4

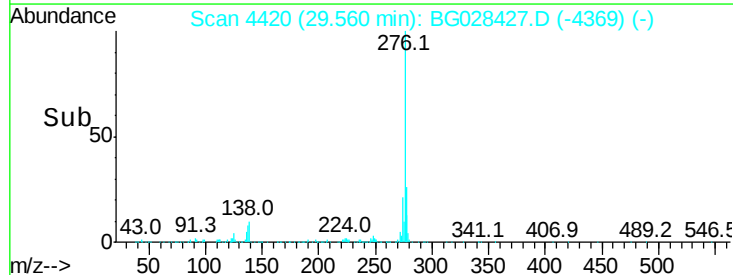
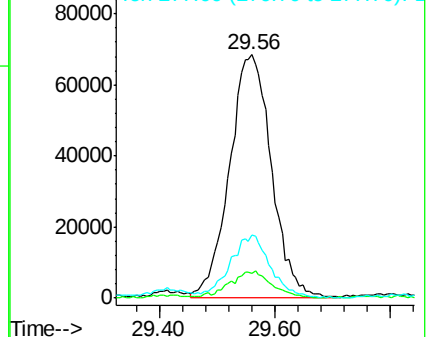
277 26.1 18.6 28.0

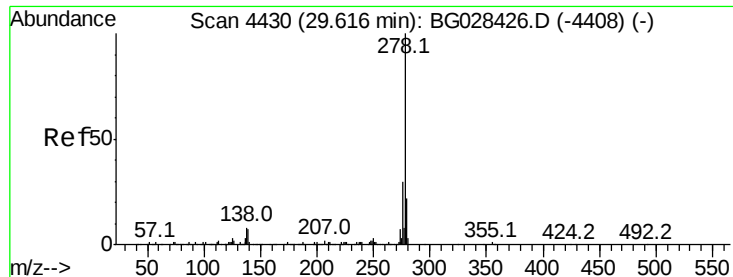


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 2.074 ng/ul

RT: 29.59 min Scan# 4426

Delta R.T. -0.02 min

Lab File: BG028427.D

Acq: 22 Aug 2017 21:18

Instrument :

BNA_G

ClientSampleId :

E7GD3DL

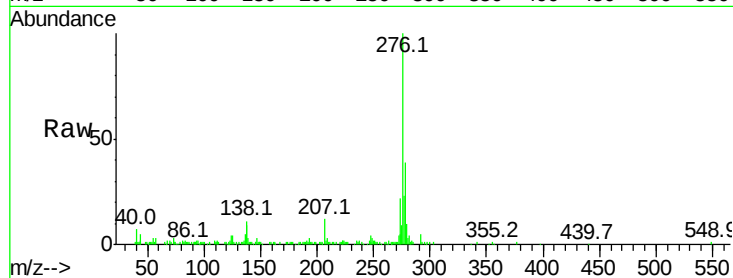
Tot Ion:278 Resp: 43322

Ion Ratio Lower Upper

278 100

139 7.5 6.7 10.1

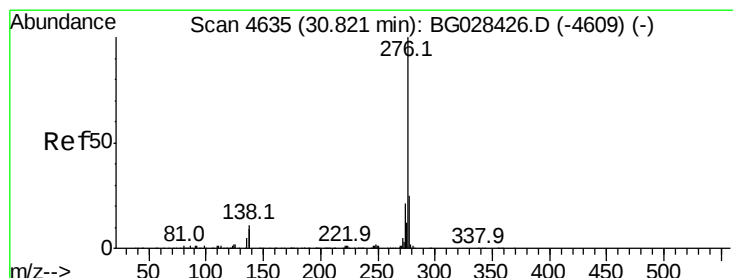
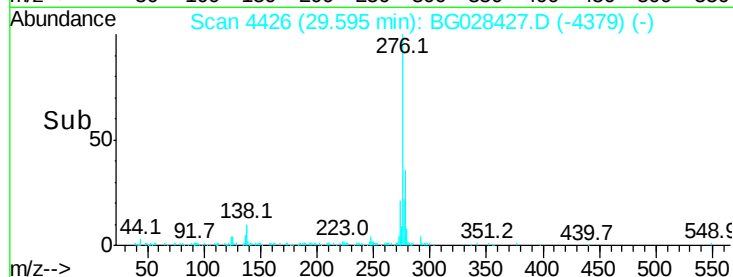
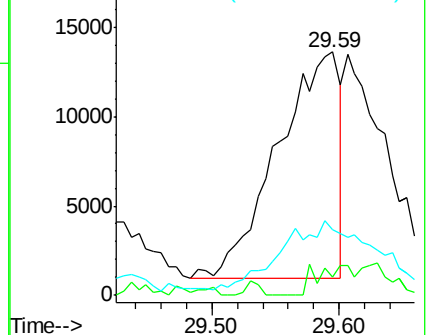
279 26.8 20.9 31.3



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 13.826 ng/ul

RT: 30.81 min Scan# 4633

Delta R.T. -0.01 min

Lab File: BG028427.D

Acq: 22 Aug 2017 21:18

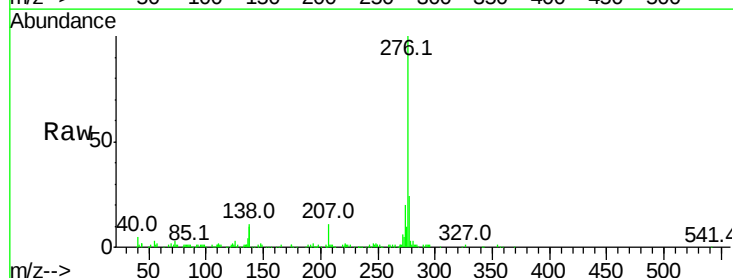
Tgt Ion:276 Resp: 283484

Ion Ratio Lower Upper

276 100

138 11.0 8.6 12.8

277 23.9 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

