

Data Path : U:\HPCHEM1\BNA G\DATA\BG082317\
 Data File : BG028450.D
 Acq On : 23 Aug 2017 14:45
 Operator : SJ/JU
 Sample : I4827-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0AB1

Quant Time: Aug 24 01:31:42 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 24 01:29:02 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.35	152	43577	20.00	ng/ul	0.00
18) Naphthalene-d8	11.17	136	187304	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.96	164	121202	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.80	188	255456	20.00	ng/ul	0.09
75) Chrysene-d12	22.04	240	324621	20.00	ng/ul	0.00
83) Perylene-d12	25.56	264	311802	20.00	ng/ul	0.02

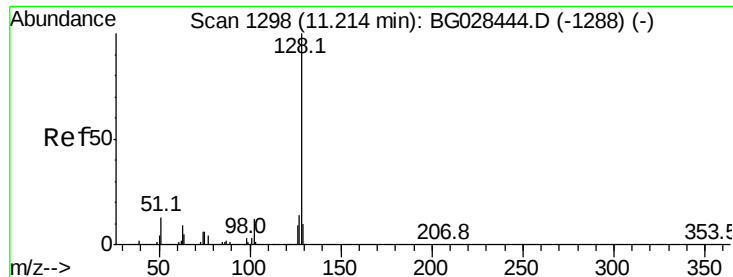
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.82	96	2511	2.68	ng/uL	0.00
5) Phenol-d5	7.50	99	60078	12.55	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.66	67	41349	13.64	ng/ul	0.00
9) 2-Chlorophenol-d4	7.88	132	47961	15.89	ng/ul	0.00
13) 4-Methylphenol-d8	9.05	113	46867	11.72	ng/ul	0.00
19) Nitrobenzene-d5	9.52	128	25716	17.56	ng/ul	0.00
22) 2-Nitrophenol-d4	10.24	143	30201	18.81	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.79	165	55238	16.63	ng/ul	0.00
29) 4-Chloroaniline-d4	11.30	131	31576	8.54	ng/ul	0.00
43) Dimethylphthalate-d6	14.34	166	189486	17.58	ng/ul	0.00
46) Acenaphthylene-d8	14.65	160	214090	17.61	ng/ul	0.00
51) 4-Nitrophenol-d4	15.16	143	19979	11.66	ng/ul	0.01
57) Fluorene-d10	15.94	176	161332	16.68	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.07	200	13155	7.93	ng/ul	0.00
70) Anthracene-d10	17.80	188	255456	20.85	ng/ul	0.00
76) Pyrene-d10	20.08	212	289521	17.39	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.32	264	288819	19.79	ng/ul	0.02

Target Compounds

					Ovalue	
28) Naphthalene	11.21	128	14933	1.610	ng/ul	95
34) 2-Methylnaphthalene	12.80	142	16746	2.247	ng/ul	97
44) Dimethylphthalate	14.39	163	51282	5.167	ng/ul	99
49) Acenaphthene	15.02	153	8973	1.145	ng/ul	95
58) Fluorene	16.00	166	11349	1.122	ng/ul#	81
69) Phenanthrene	17.84	178	30627	2.382	ng/ul	95
71) Anthracene	17.84	178	30627	2.331	ng/ul	96
74) Fluoranthene	19.75	202	398668	25.517	ng/ul	98
77) Pvrene	20.11	202	418846	21.627	ng/ul	99
80) Benzo(a)anthracene	22.02	228	224807	11.986	ng/ul	97
82) Chrysene	22.09	228	267605	15.842	ng/ul	95
85) Benzo(b)fluoranthene	24.43	252	384821	20.624	ng/ul#	97
86) Benzo(k)fluoranthene	24.43	252	384821	21.114	ng/ul#	99
88) Benzo(a)pyrene	25.39	252	200251	11.085	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	29.60	276	98866	4.673	ng/ul	94
91) Benzo(g,h,i)perylene	30.87	276	91028	5.230	ng/ul#	86

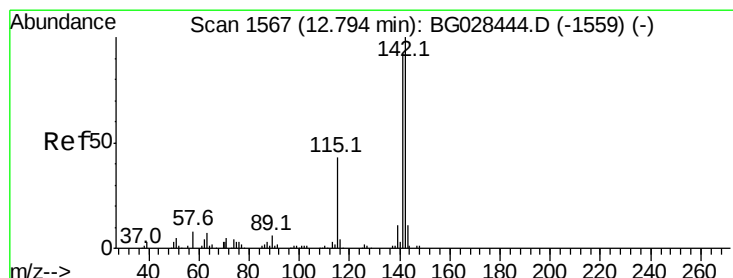
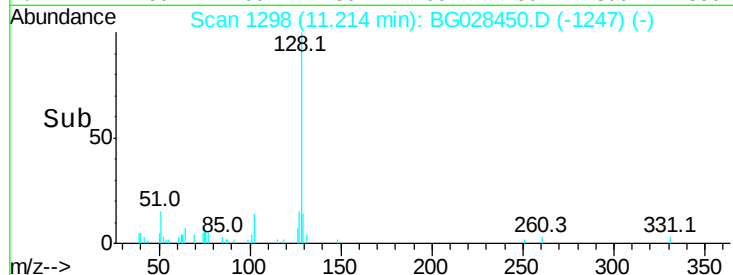
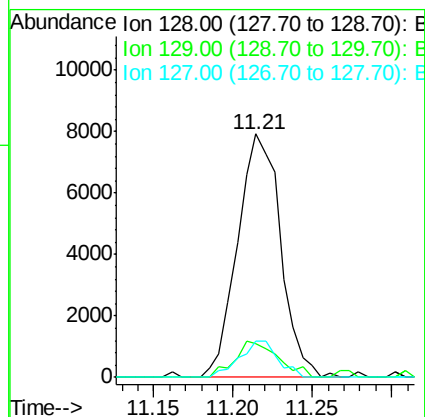
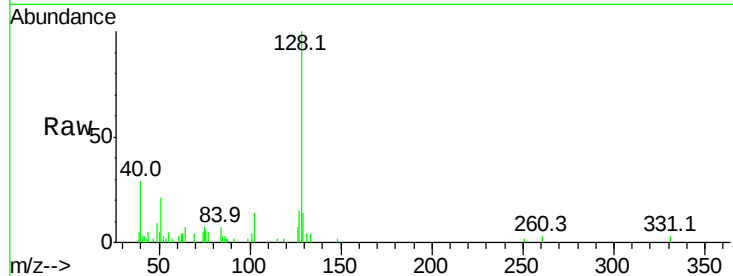
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#28
Naphthalene
Concen: 1.610 ng/ul
RT: 11.21 min Scan# 1298
Delta R.T. 0.00 min
Lab File: BG028450.D
Acq: 23 Aug 2017 14:45

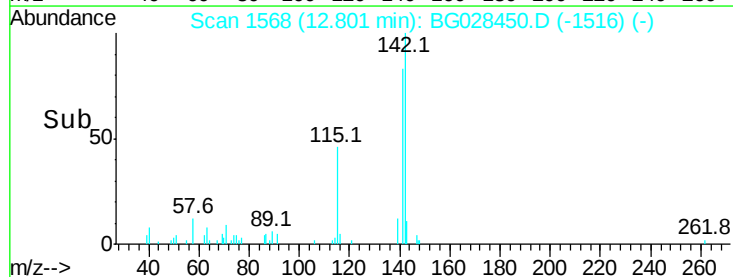
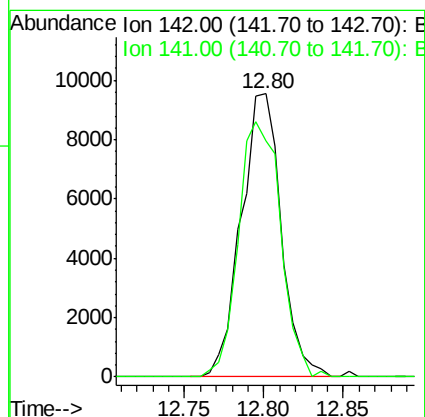
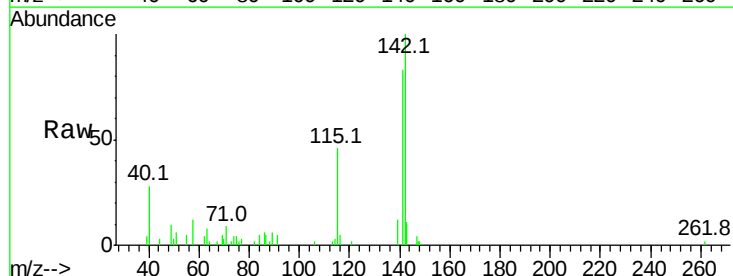
Instrument :
BNA_G
ClientSampleId :
B0AB1

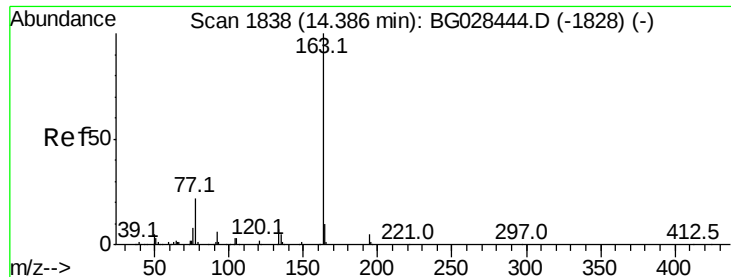
Tot Ion:128 Resp: 14933
Ion Ratio Lower Upper
128 100
129 13.8 9.4 14.2
127 14.9 10.3 15.5



#34
2-Methylnaphthalene
Concen: 2.247 ng/ul
RT: 12.80 min Scan# 1568
Delta R.T. 0.01 min
Lab File: BG028450.D
Acq: 23 Aug 2017 14:45

Tgt Ion:142 Resp: 16746
Ion Ratio Lower Upper
142 100
141 83.2 68.6 102.8





#44

Dimethylphthalate

Concen: 5.167 ng/ul

RT: 14.39 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BG028450.D

Acq: 23 Aug 2017 14:45

Instrument :

BNA_G

ClientSampleId :

B0AB1

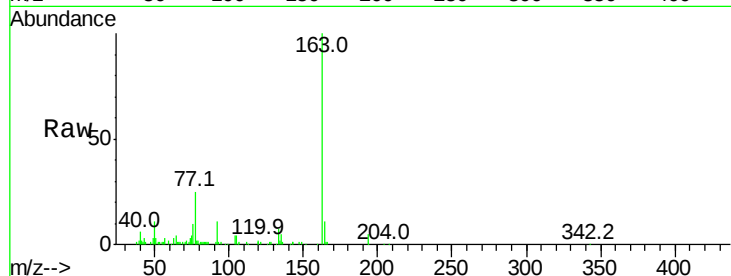
Tot Ion:163 Resp: 51282

Ion Ratio Lower Upper

163 100

194 4.5 3.4 5.0

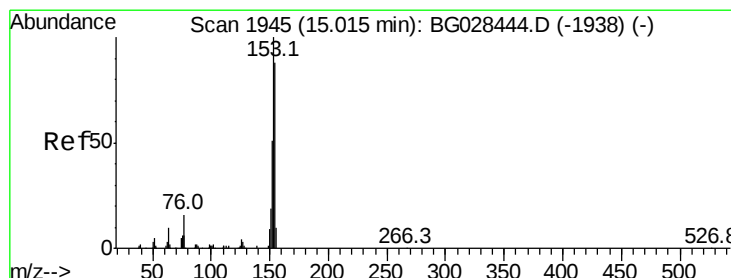
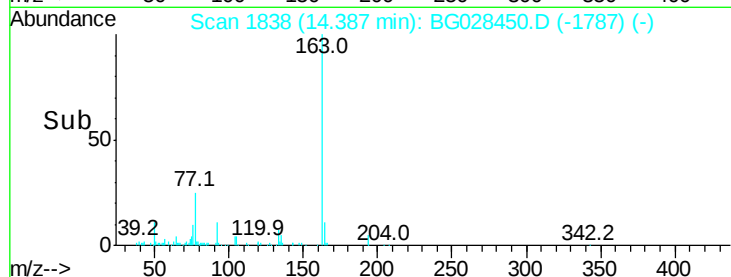
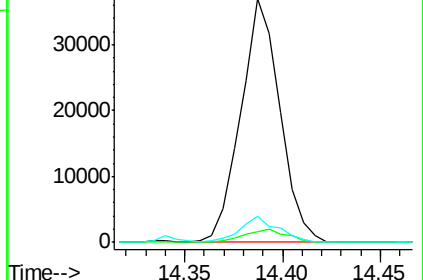
164 10.7 9.0 13.4



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: 1.145 ng/ul

RT: 15.02 min Scan# 1946

Delta R.T. 0.01 min

Lab File: BG028450.D

Acq: 23 Aug 2017 14:45

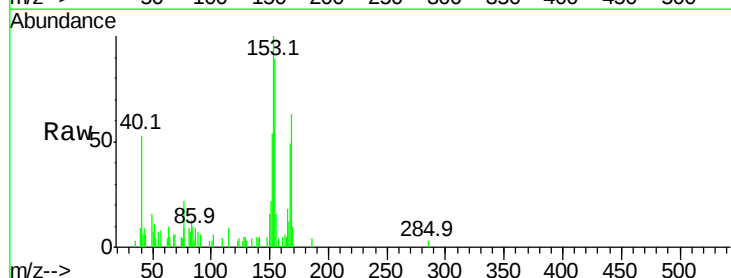
Tgt Ion:153 Resp: 8973

Ion Ratio Lower Upper

153 100

152 54.2 36.5 54.7

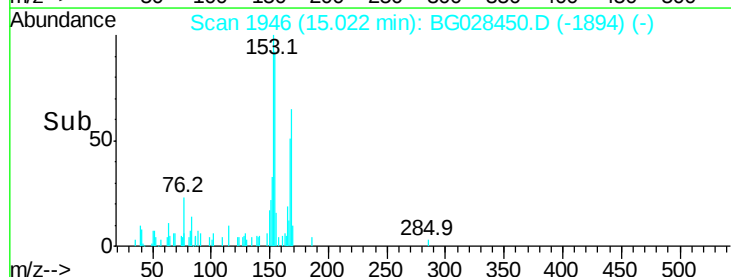
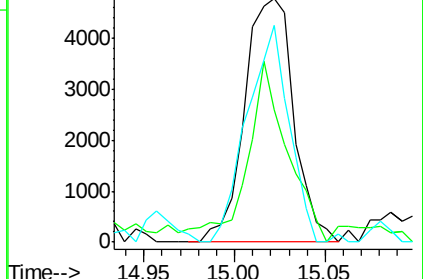
154 89.1 72.3 108.5

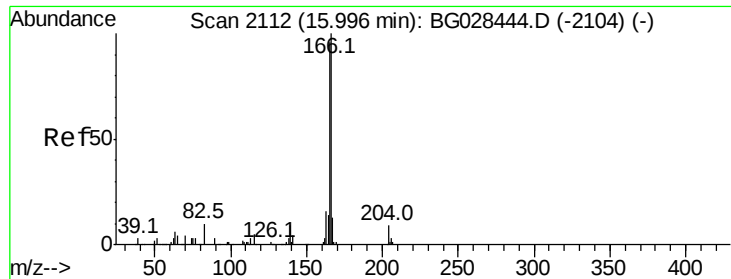


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#58

Fluorene

Concen: 1.122 ng/ul

RT: 16.00 min Scan# 2112

Delta R.T. 0.00 min

Lab File: BG028450.D

Acq: 23 Aug 2017 14:45

Instrument :

BNA_G

ClientSampleId :

B0AB1

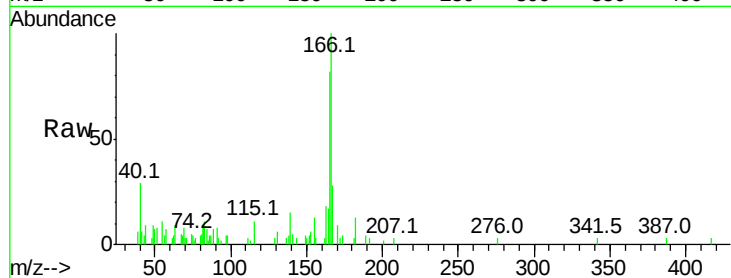
Tot Ion:166 Resp: 11349

Ion Ratio Lower Upper

166 100

165 82.2 79.7 119.5

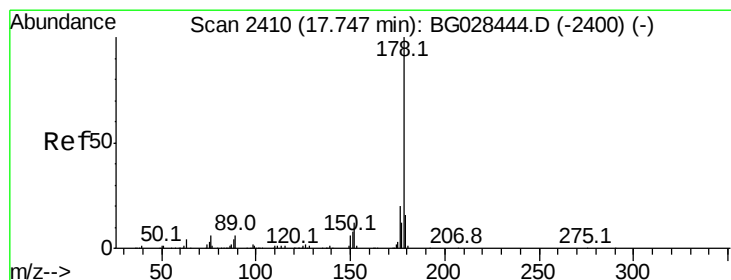
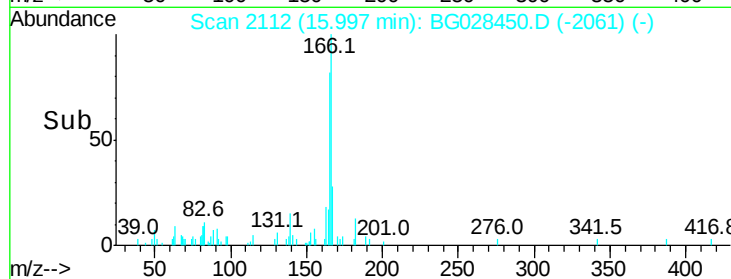
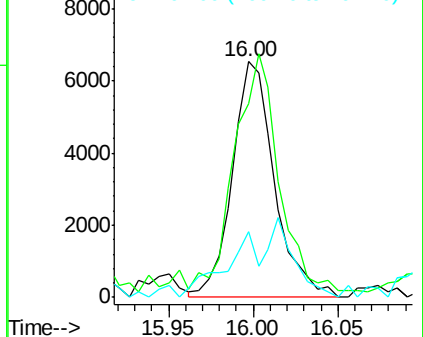
167 28.0 11.4 17.2#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 2.382 ng/ul

RT: 17.84 min Scan# 2425

Delta R.T. 0.09 min

Lab File: BG028450.D

Acq: 23 Aug 2017 14:45

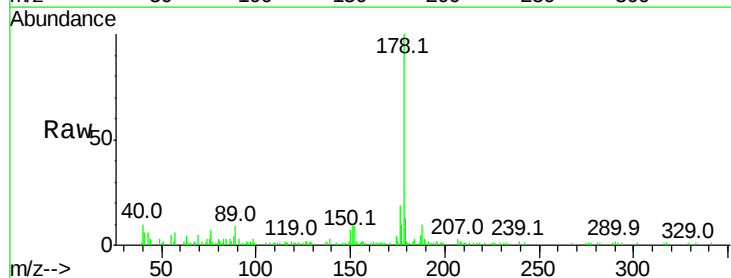
Tgt Ion:178 Resp: 30627

Ion Ratio Lower Upper

178 100

179 13.1 12.4 18.6

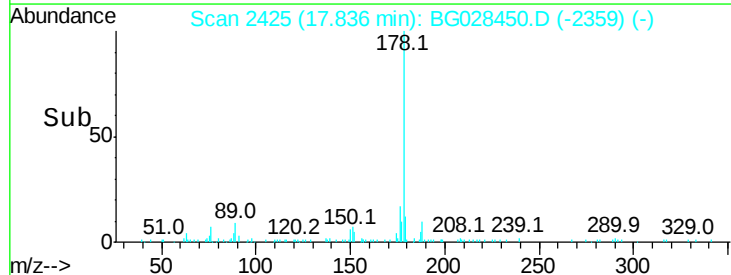
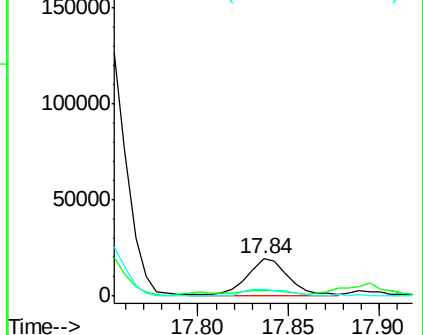
176 18.5 16.5 24.7

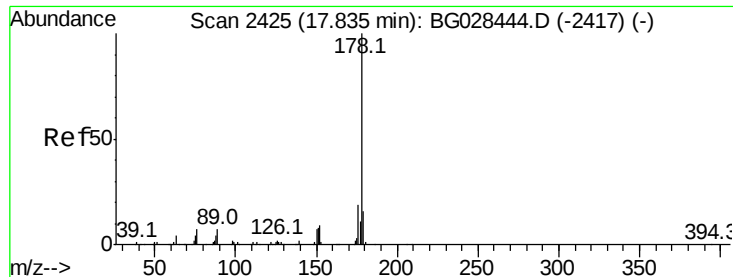


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 2.331 ng/ul

RT: 17.84 min Scan# 2425

Delta R.T. 0.00 min

Lab File: BG028450.D

Acq: 23 Aug 2017 14:45

Instrument :

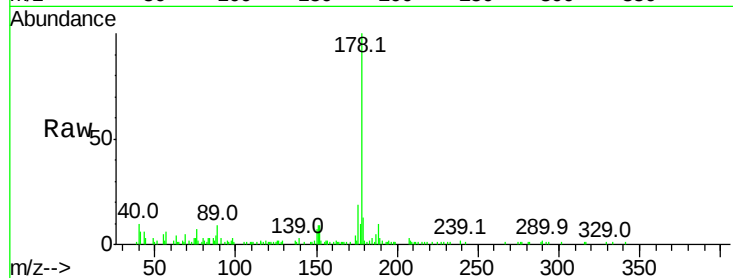
BNA_G

ClientSampleId :

B0AB1

Tot Ion:178 Resp: 30627

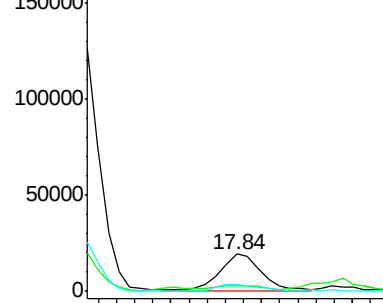
Ion	Ratio	Lower	Upper
178	100		
179	13.1	12.6	19.0
176	18.5	15.9	23.9



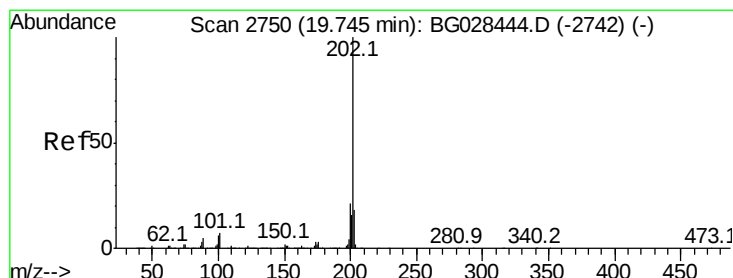
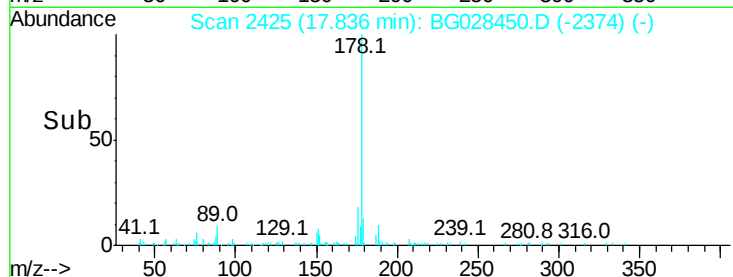
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#74

Fluoranthene

Concen: 25.517 ng/ul

RT: 19.75 min Scan# 2750

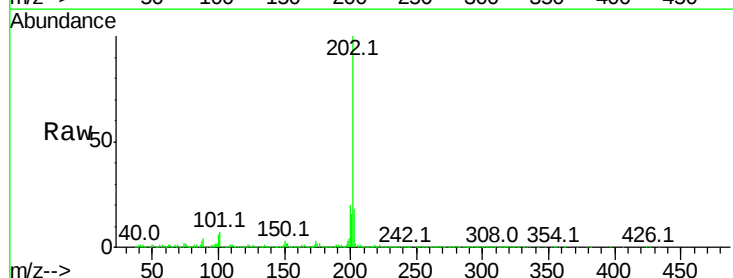
Delta R.T. 0.00 min

Lab File: BG028450.D

Acq: 23 Aug 2017 14:45

Tgt Ion:202 Resp: 398668

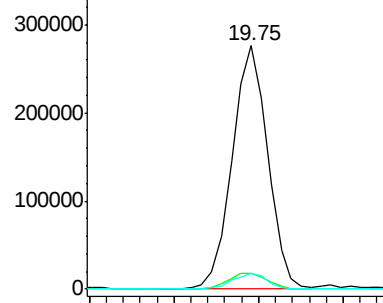
Ion	Ratio	Lower	Upper
202	100		
101	6.7	6.2	9.2
100	6.5	5.2	7.8



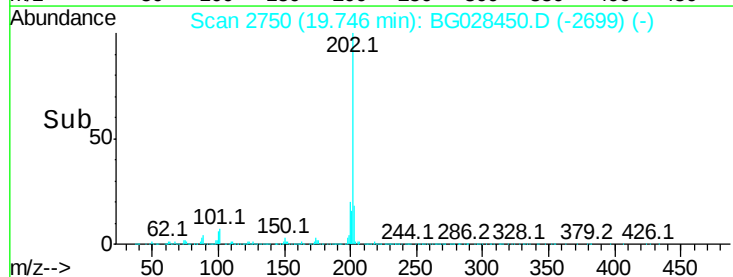
Abundance Ion 202.00 (201.70 to 202.70): E

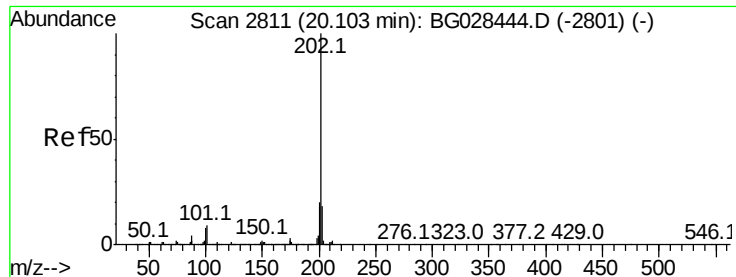
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->





#77

Pvrene

Concen: 21.627 ng/ul

RT: 20.11 min Scan# 2812

Delta R.T. 0.01 min

Lab File: BG028450.D

Acq: 23 Aug 2017 14:45

Instrument :

BNA_G

ClientSampleId :

B0AB1

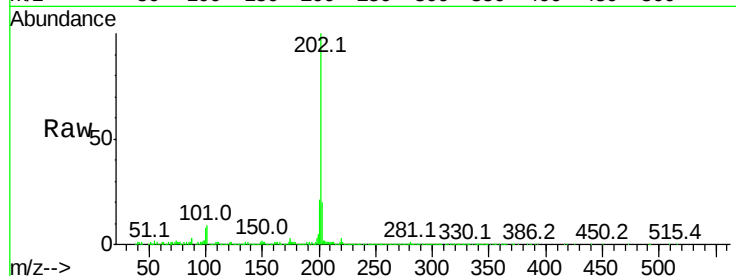
Tot Ion:202 Resp: 418846

Ion Ratio Lower Upper

202 100

101 8.9 6.9 10.3

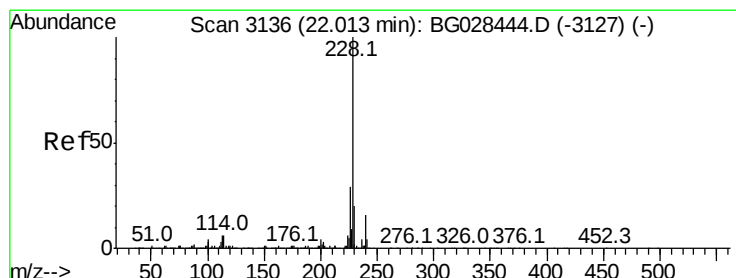
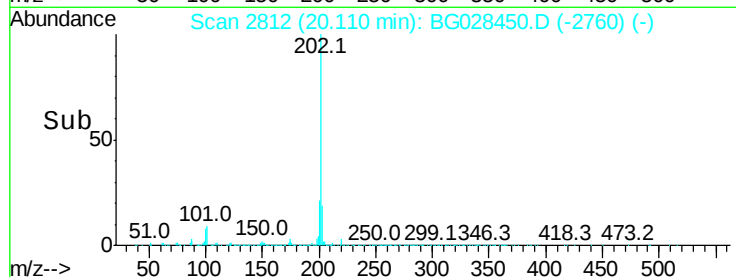
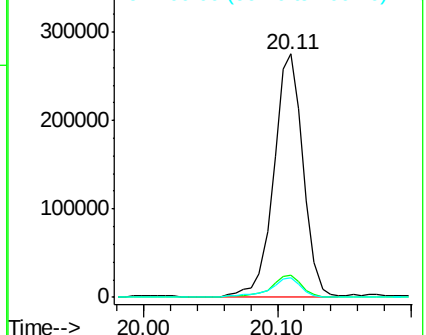
100 8.0 6.6 10.0



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: 11.986 ng/ul

RT: 22.02 min Scan# 3137

Delta R.T. 0.01 min

Lab File: BG028450.D

Acq: 23 Aug 2017 14:45

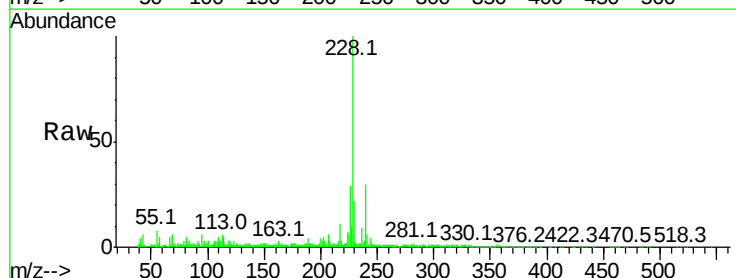
Tgt Ion:228 Resp: 224807

Ion Ratio Lower Upper

228 100

229 21.7 16.3 24.5

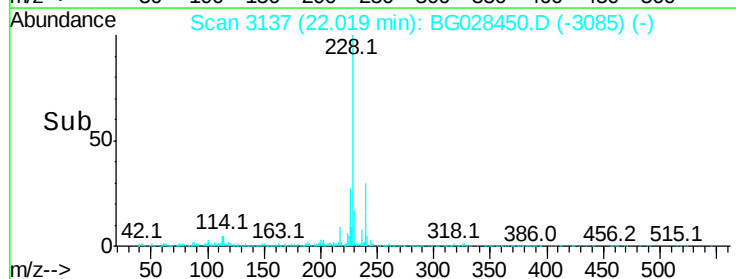
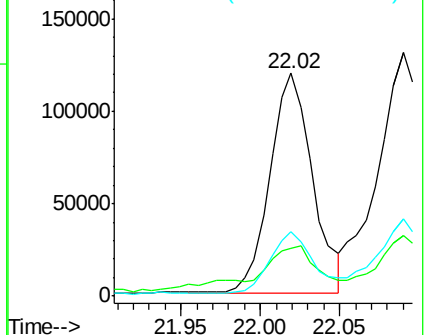
226 28.7 21.9 32.9

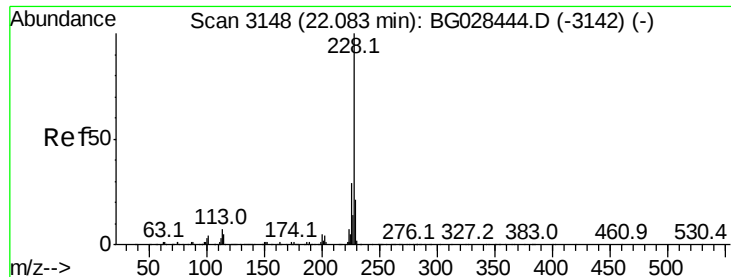


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 15.842 ng/ul

RT: 22.09 min Scan# 3149

Delta R.T. 0.01 min

Lab File: BG028450.D

Acq: 23 Aug 2017 14:45

Instrument :

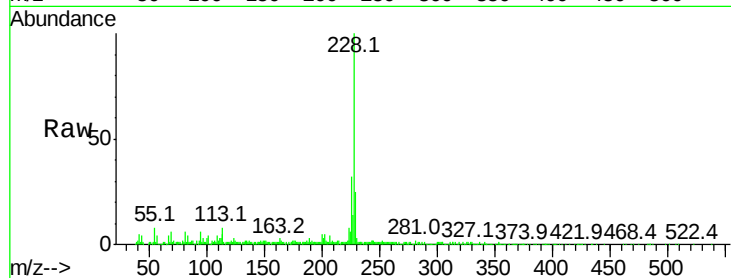
BNA_G

ClientSampleId :

B0AB1

Tot Ion:228 Resp: 267605

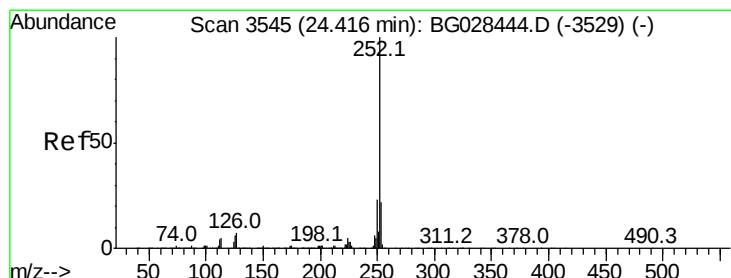
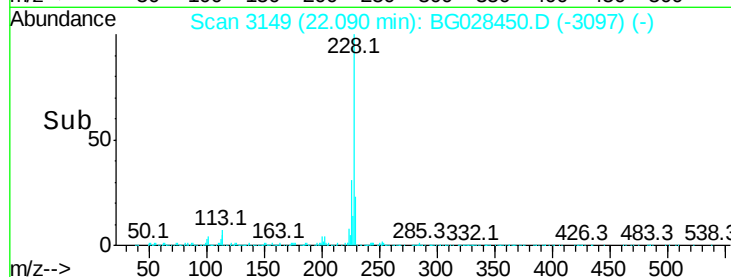
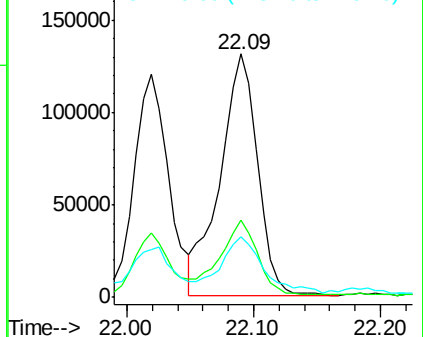
Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.0	36.0
229	24.9	16.9	25.3



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: 20.624 ng/ul

RT: 24.43 min Scan# 3547

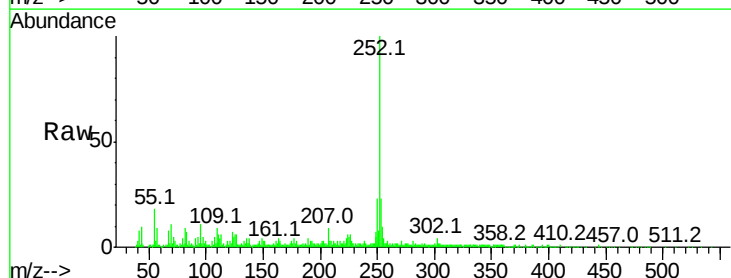
Delta R.T. 0.01 min

Lab File: BG028450.D

Acq: 23 Aug 2017 14:45

Tgt Ion:252 Resp: 384821

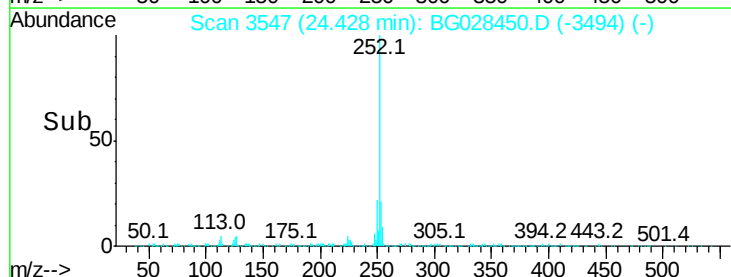
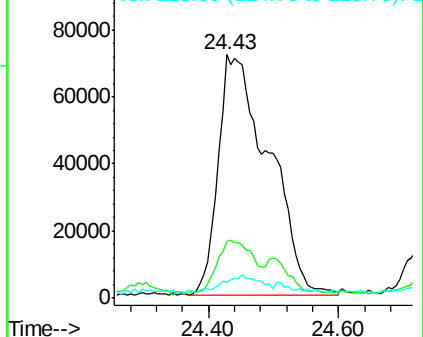
Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.7	26.5
125	6.5	4.0	6.0

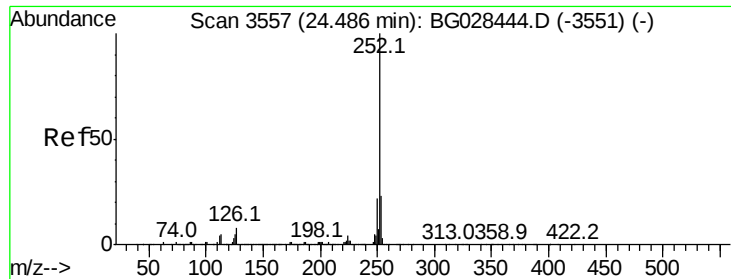


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 21.114 ng/ul

RT: 24.43 min Scan# 3547

Delta R.T. -0.06 min

Lab File: BG028450.D

Acq: 23 Aug 2017 14:45

Instrument :

BNA_G

ClientSampleId :

B0AB1

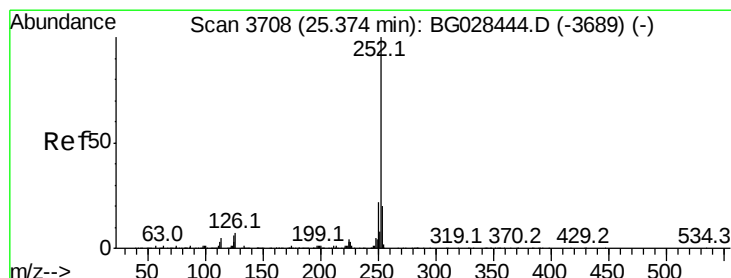
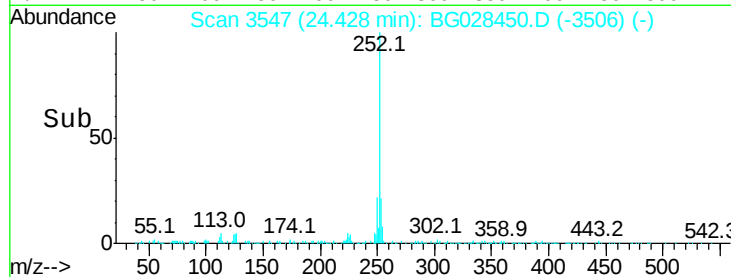
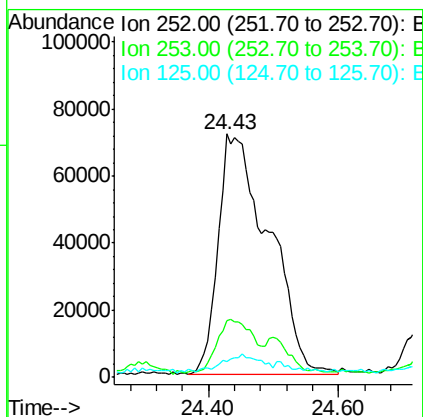
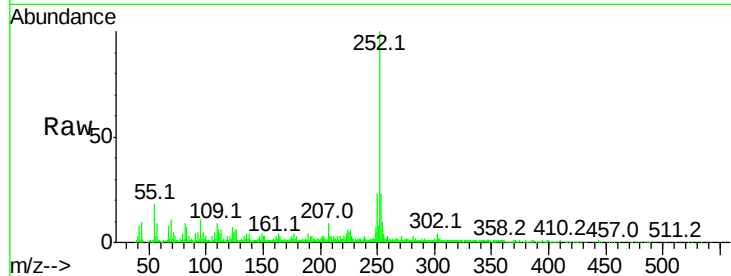
Tot Ion:252 Resp: 384821

Ion Ratio Lower Upper

252 100

253 23.2 18.5 27.7

125 6.5 4.1 6.1#



#88

Benzo(a)pyrene

Concen: 11.085 ng/ul

RT: 25.39 min Scan# 3710

Delta R.T. 0.01 min

Lab File: BG028450.D

Acq: 23 Aug 2017 14:45

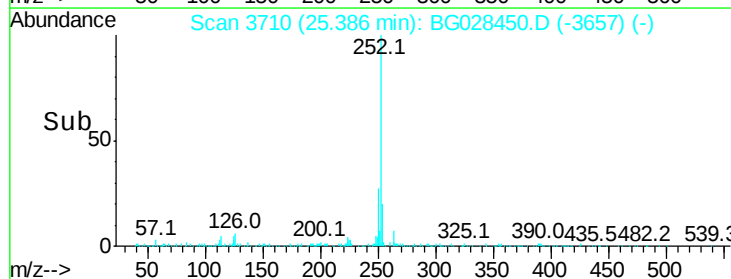
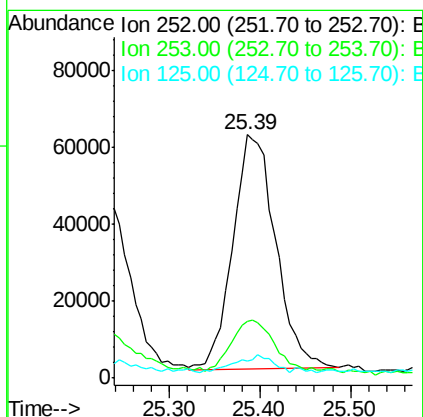
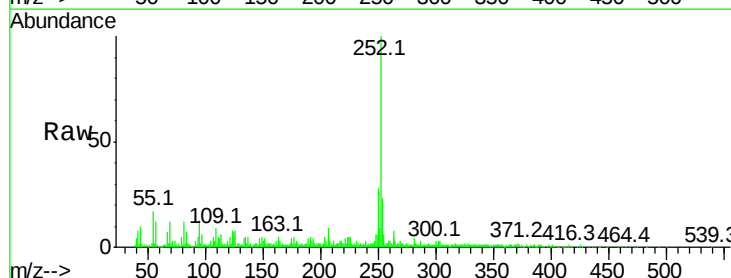
Tgt Ion:252 Resp: 200251

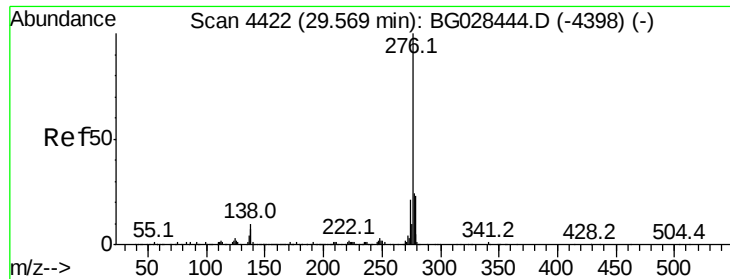
Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.6

125 7.1 5.4 8.0



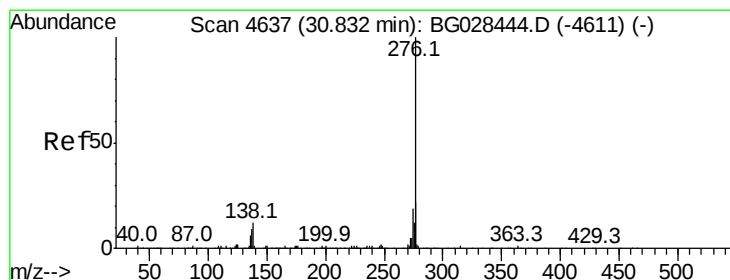
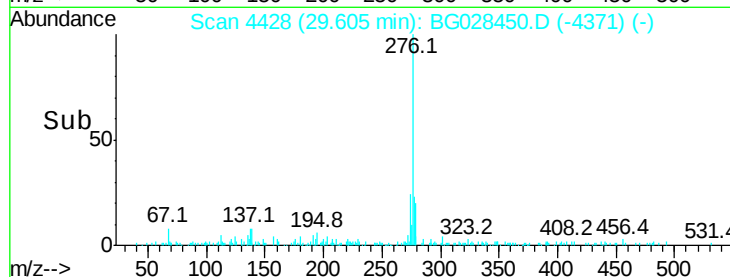
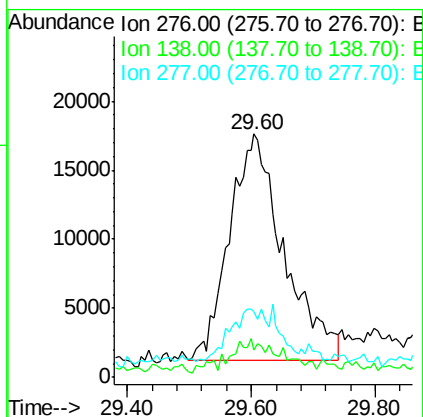
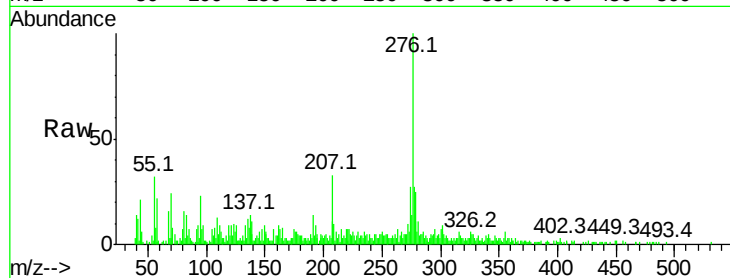


#89

Indeno(1,2,3-cd)pyrene
Concen: 4.673 ng/ul
RT: 29.60 min Scan# 4428
Delta R.T. 0.04 min
Lab File: BG028450.D
Acq: 23 Aug 2017 14:45

Instrument :
BNA_G
ClientSampleId :
B0AB1

Tot Ion	Ratio	Lower	Upper
276	100		
138	11.4	8.2	12.4
277	27.0	18.6	28.0



#91

Benzo(g,h,i)perylene
Concen: 5.230 ng/ul
RT: 30.87 min Scan# 4644
Delta R.T. 0.04 min
Lab File: BG028450.D
Acq: 23 Aug 2017 14:45

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.4	8.6	12.8#
277	28.3	17.6	26.4#

