

Data Path : U:\HPCHEM1\BNA G\DATA\BG082217\
 Data File : BG028430.D
 Acq On : 22 Aug 2017 23:17
 Operator : SJ/JU
 Sample : I4713-10 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E7GC0DL

Quant Time: Aug 23 07:08:43 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	40239	20.00	ng/ul	0.00
18) Naphthalene-d8	11.16	136	194328	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.95	164	139394	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.70	188	324149	20.00	ng/ul	0.00
75) Chrysene-d12	22.03	240	355965	20.00	ng/ul	0.00
83) Perylene-d12	25.54	264	349504	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.84	96	624	0.72	ng/uL	0.01
5) Phenol-d5	7.50	99	19962	4.52	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.66	67	12143	4.34	ng/ul	0.00
9) 2-Chlorophenol-d4	7.88	132	15463	5.55	ng/ul	0.00
13) 4-Methylphenol-d8	9.04	113	16682	4.52	ng/ul	0.00
19) Nitrobenzene-d5	9.51	128	7772	5.11	ng/ul	0.00
22) 2-Nitrophenol-d4	10.23	143	9028	5.42	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.78	165	18660	5.41	ng/ul	0.00
29) 4-Chloroaniline-d4	11.30	131	3919	1.02	ng/ul	0.00
43) Dimethylphthalate-d6	14.34	166	69302	5.59	ng/ul	0.00
46) Acenaphthylene-d8	14.65	160	79178	5.66	ng/ul	0.00
51) 4-Nitrophenol-d4	15.16	143	6383	3.24	ng/ul	0.01
57) Fluorene-d10	15.94	176	59325	5.33	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.06	200	6530	3.10	ng/ul	0.00
70) Anthracene-d10	17.80	188	93029	5.99	ng/ul	0.00
76) Pyrene-d10	20.07	212	104952	5.75	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.29	264	95825	5.86	ng/ul	0.00

Target Compounds

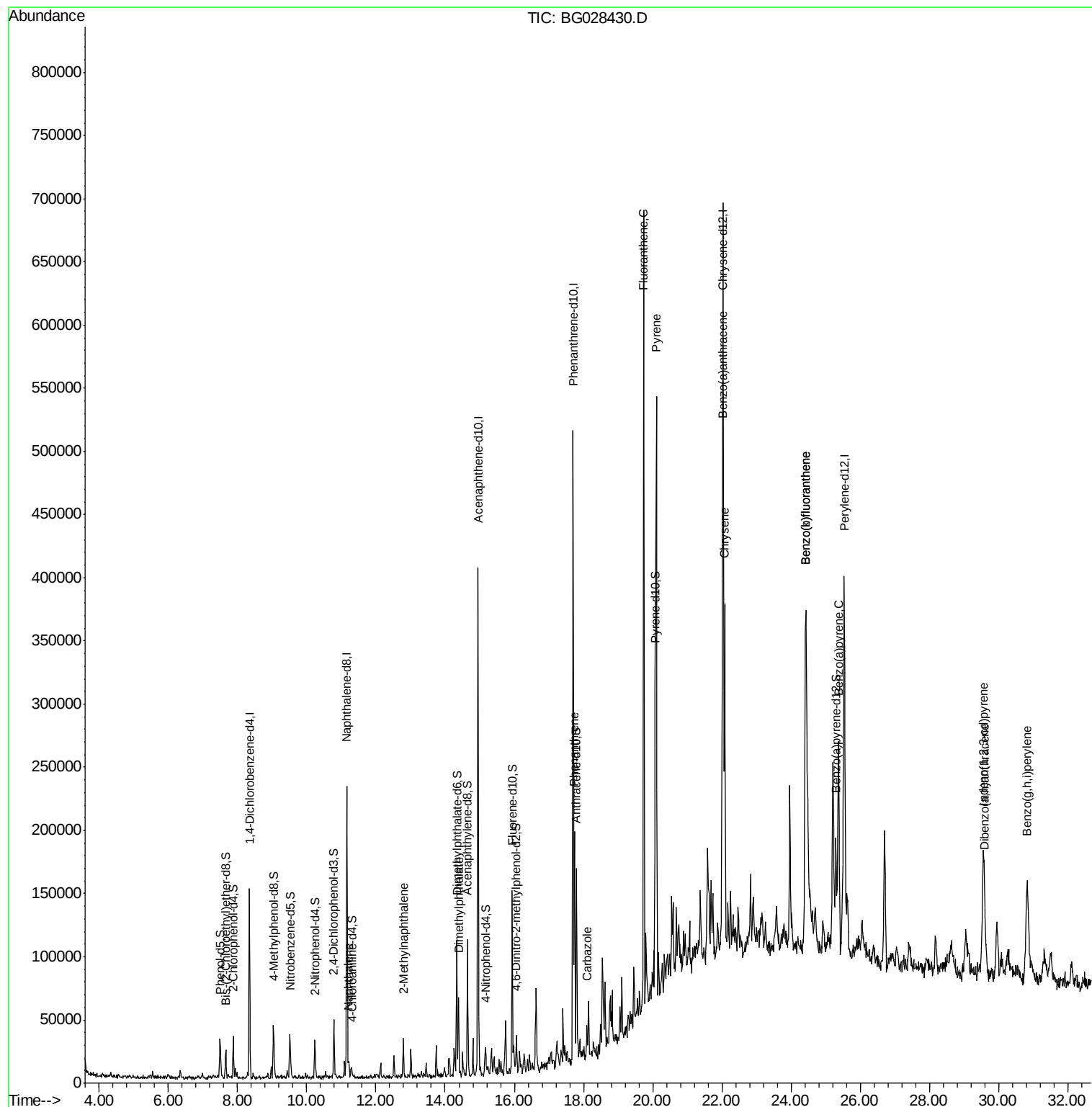
					Ovalue	
28) Naphthalene	11.22	128	13485	1.401	ng/ul#	95
34) 2-Methylnaphthalene	12.79	142	15902	2.057	ng/ul	83
44) Dimethylphthalate	14.39	163	30294	2.654	ng/ul#	92
69) Phenanthrene	17.74	178	109132	6.690	ng/ul	97
72) Carbazole	18.11	167	15992	1.103	ng/ul#	93
74) Fluoranthene	19.74	202	396278	19.989	ng/ul	99
77) Pyrene	20.11	202	322475	15.184	ng/ul	97
80) Benzo(a)anthracene	22.01	228	147432	7.168	ng/ul	96
82) Chrysene	22.08	228	217279	11.730	ng/ul	98
85) Benzo(b)fluoranthene	24.42	252	384346	18.377	ng/ul	97
86) Benzo(k)fluoranthene	24.42	252	384346	18.813	ng/ul	96
88) Benzo(a)pyrene	25.37	252	195764	9.667	ng/ul#	99
89) Indeno(1,2,3-cd)pyrene	29.55	276	197847	8.343	ng/ul	95
90) Dibenzo(a,h)anthracene	29.59	278	21302	1.072	ng/ul#	85
91) Benzo(g,h,i)perylene	30.83	276	200923	10.299	ng/ul#	97

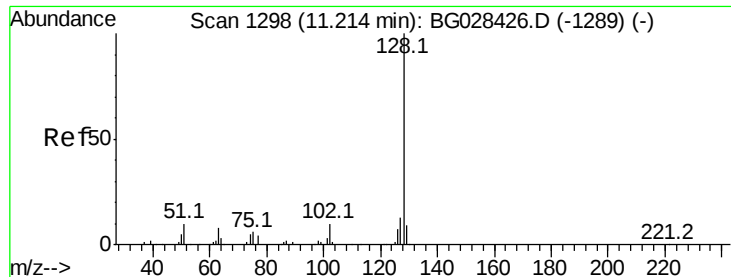
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 23 07:06:03 2017
Response via : Initial Calibration





#28

Naphthalene

Concen: 1.401 ng/ul

RT: 11.22 min Scan# 1298

Delta R.T. 0.00 min

Lab File: BG028430.D

Acq: 22 Aug 2017 23:17

Instrument :

BNA_G

ClientSampleId :

E7GC0DL

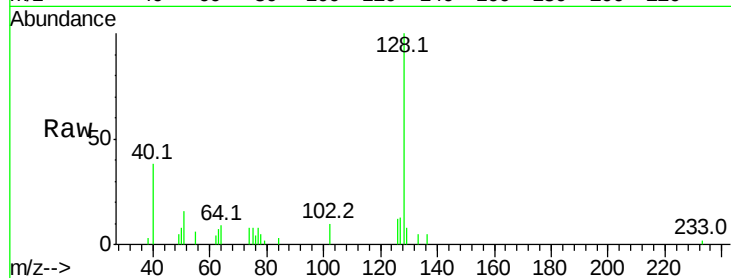
Tot Ion:128 Resp: 13485

Ion Ratio Lower Upper

128 100

129 8.0 9.4 14.2#

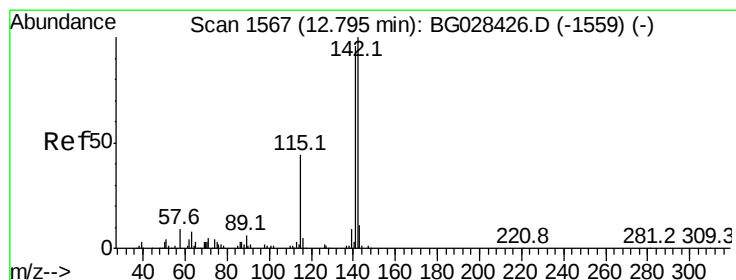
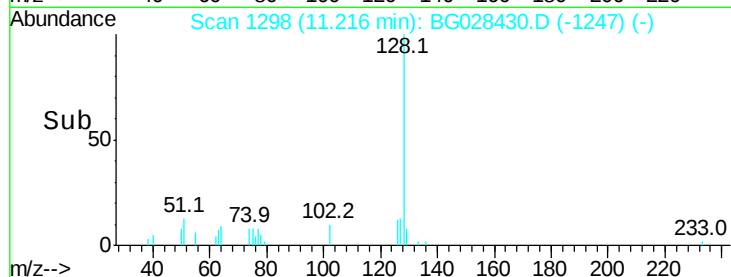
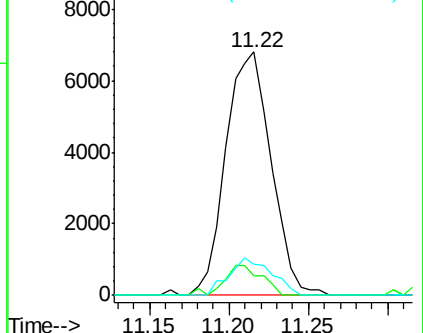
127 12.9 10.3 15.5



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: 2.057 ng/ul

RT: 12.79 min Scan# 1566

Delta R.T. -0.00 min

Lab File: BG028430.D

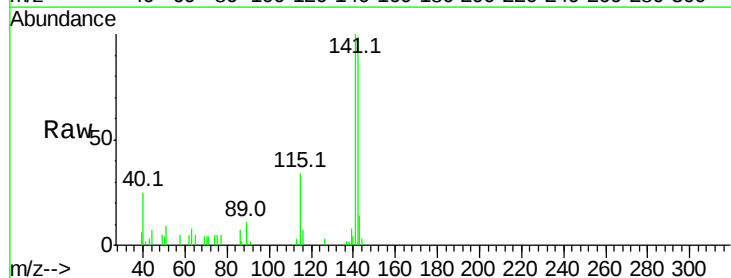
Acq: 22 Aug 2017 23:17

Tgt Ion:142 Resp: 15902

Ion Ratio Lower Upper

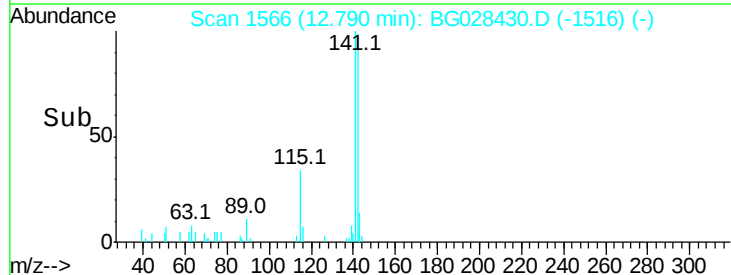
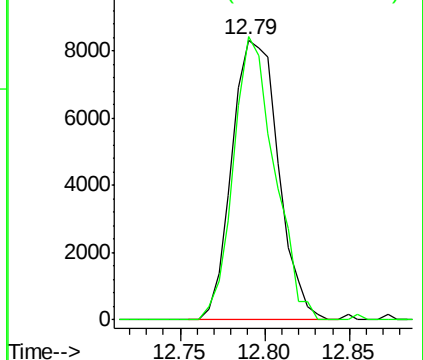
142 100

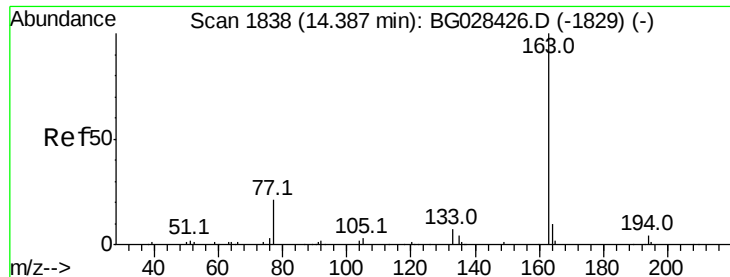
141 101.2 68.6 102.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#44

Dimethylphthalate

Concen: 2.654 ng/ul

RT: 14.39 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BG028430.D

Acq: 22 Aug 2017 23:17

Instrument :

BNA_G

ClientSampled :

E7GC0DL

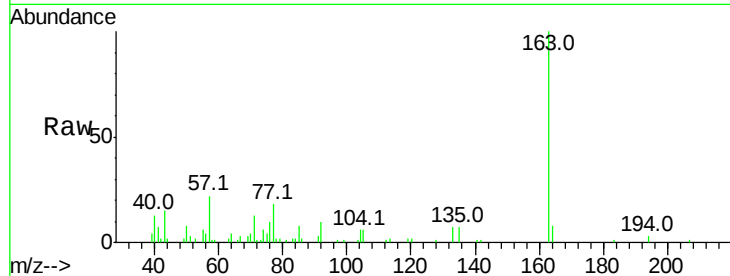
Tot Ion:163 Resp: 30294

Ion Ratio Lower Upper

163 100

194 2.6 3.4 5.0#

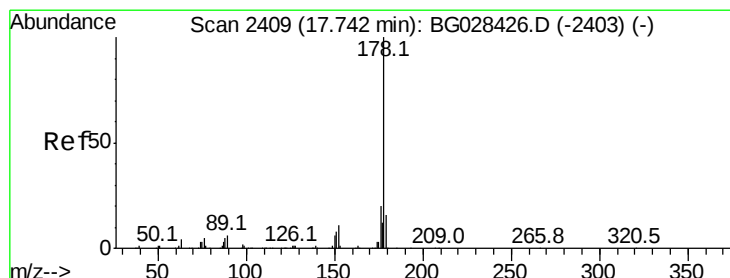
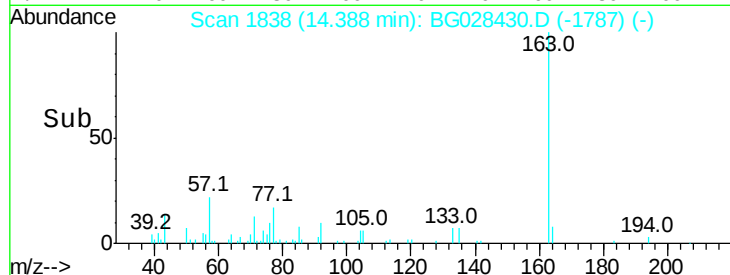
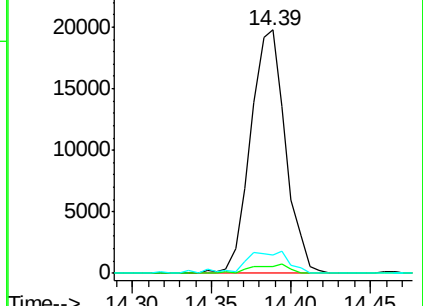
164 7.8 9.0 13.4#



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



#69

Phenanthrene

Concen: 6.690 ng/ul

RT: 17.74 min Scan# 2409

Delta R.T. 0.00 min

Lab File: BG028430.D

Acq: 22 Aug 2017 23:17

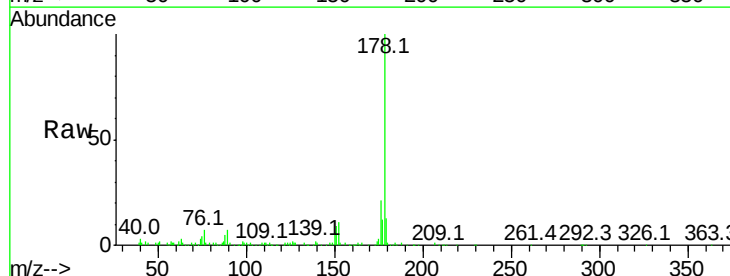
Tgt Ion:178 Resp: 109132

Ion Ratio Lower Upper

178 100

179 12.9 12.4 18.6

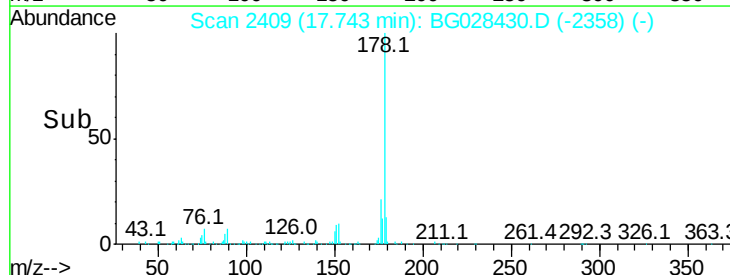
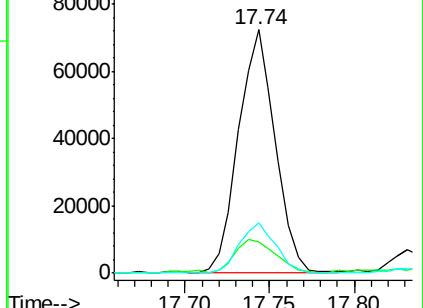
176 20.5 16.5 24.7

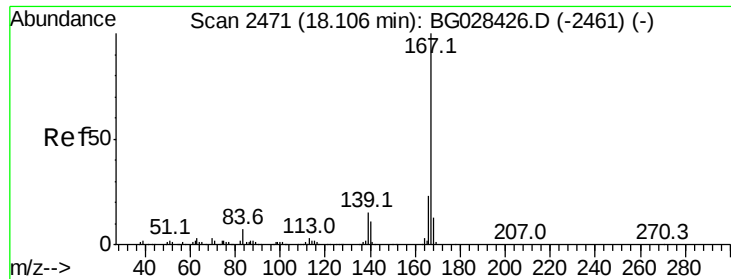


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 1.103 ng/ul

RT: 18.11 min Scan# 2471

Delta R.T. 0.00 min

Lab File: BG028430.D

Acq: 22 Aug 2017 23:17

Instrument :

BNA_G

ClientSampleId :

E7GC0DL

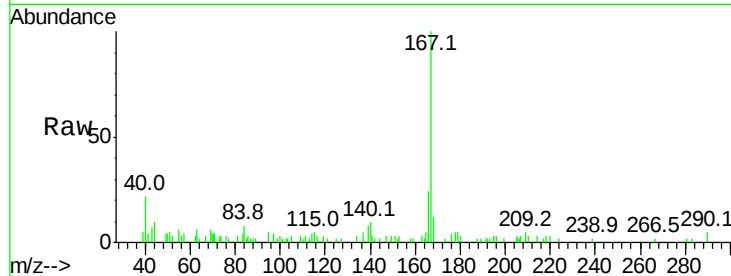
Tot Ion:167 Resp: 15992

Ion Ratio Lower Upper

167 100

166 24.1 17.9 26.9

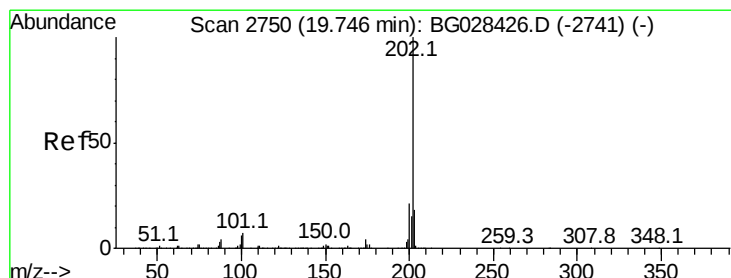
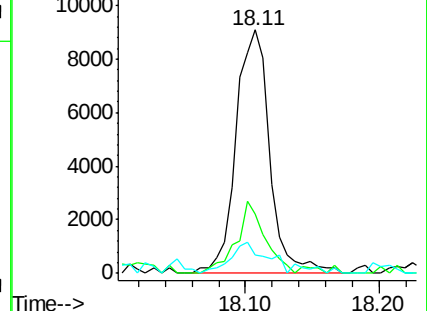
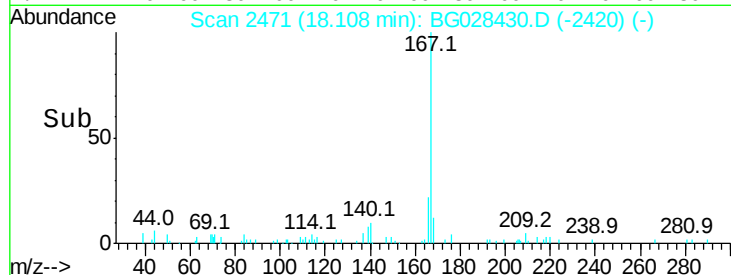
139 7.6 10.5 15.7#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 19.989 ng/ul

RT: 19.74 min Scan# 2749

Delta R.T. -0.00 min

Lab File: BG028430.D

Acq: 22 Aug 2017 23:17

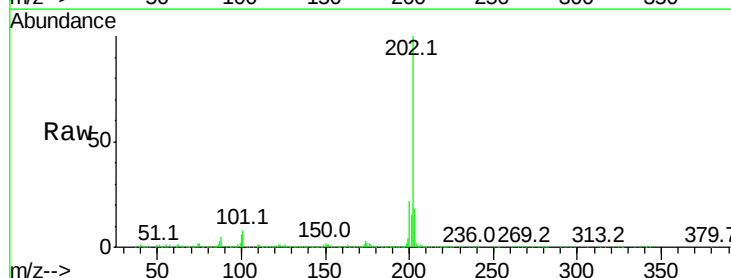
Tgt Ion:202 Resp: 396278

Ion Ratio Lower Upper

202 100

101 7.6 6.2 9.2

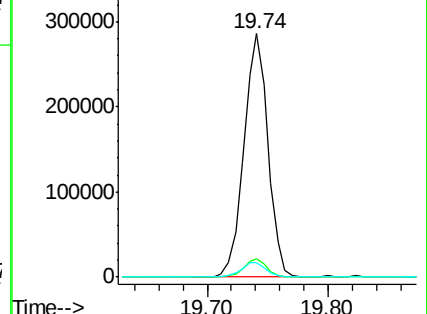
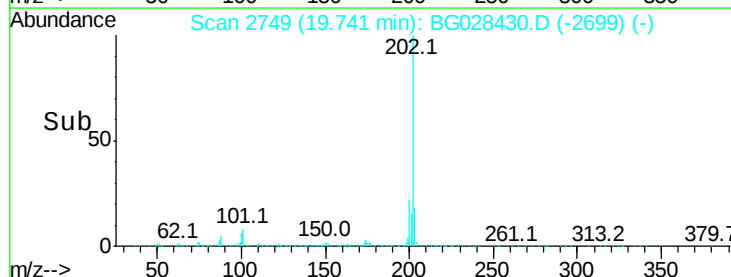
100 5.8 5.2 7.8

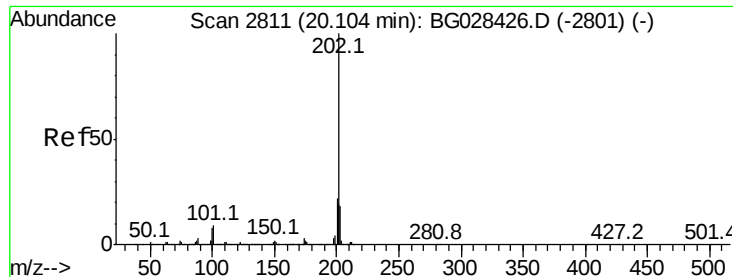


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#77

Pvrene

Concen: 15.184 ng/ul

RT: 20.11 min Scan# 2811

Delta R.T. 0.00 min

Lab File: BG028430.D

Acq: 22 Aug 2017 23:17

Instrument :

BNA_G

ClientSampled :

E7GC0DL

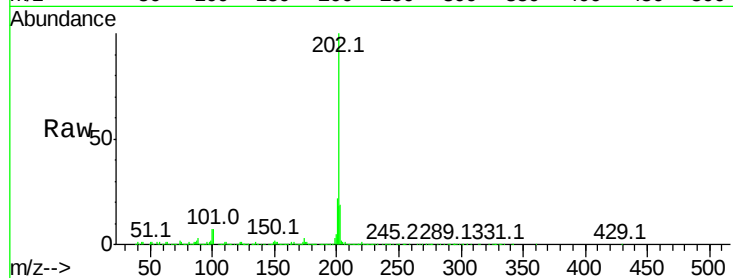
Tot Ion:202 Resp: 322475

Ion Ratio Lower Upper

202 100

101 7.3 6.9 10.3

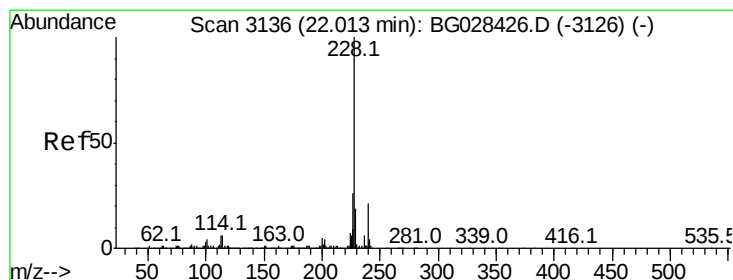
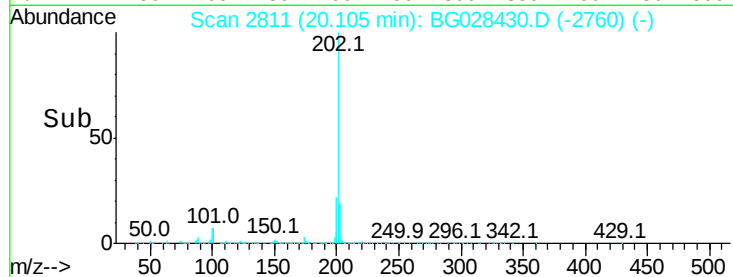
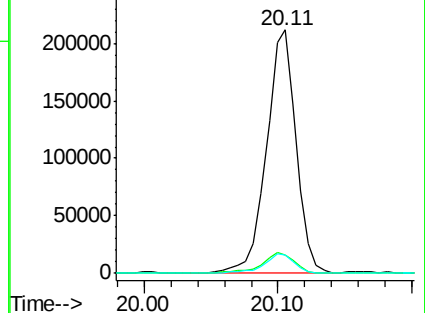
100 7.5 6.6 10.0



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: 7.168 ng/ul

RT: 22.01 min Scan# 3135

Delta R.T. -0.00 min

Lab File: BG028430.D

Acq: 22 Aug 2017 23:17

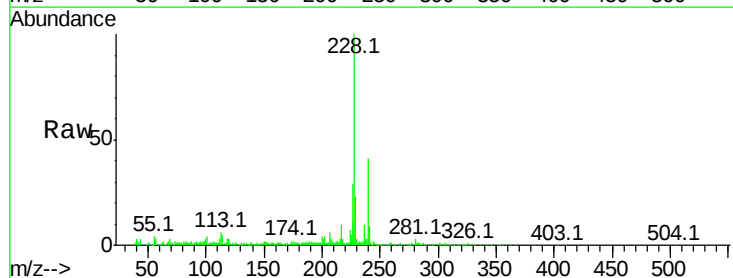
Tgt Ion:228 Resp: 147432

Ion Ratio Lower Upper

228 100

229 22.5 16.3 24.5

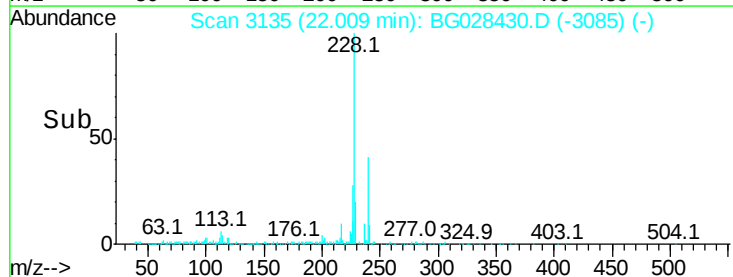
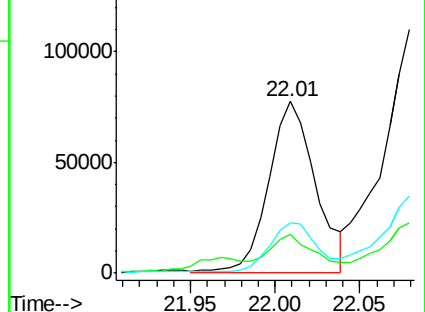
226 29.1 21.9 32.9

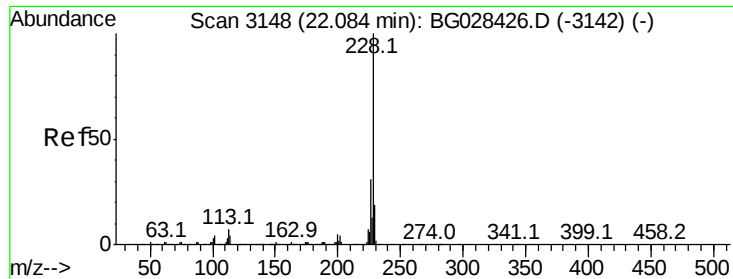


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 11.730 ng/ul

RT: 22.08 min Scan# 3147

Delta R.T. -0.00 min

Lab File: BG028430.D

Acq: 22 Aug 2017 23:17

Instrument :

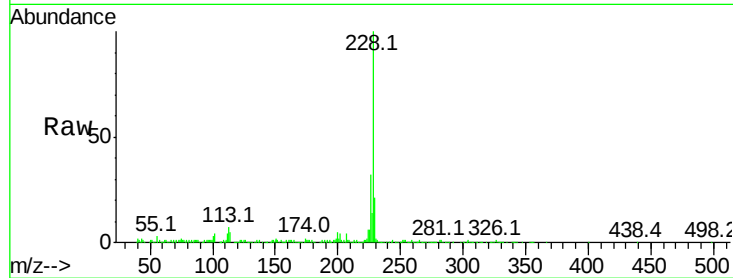
BNA_G

ClientSampleId :

E7GC0DL

Tot Ion:228 Resp: 217279

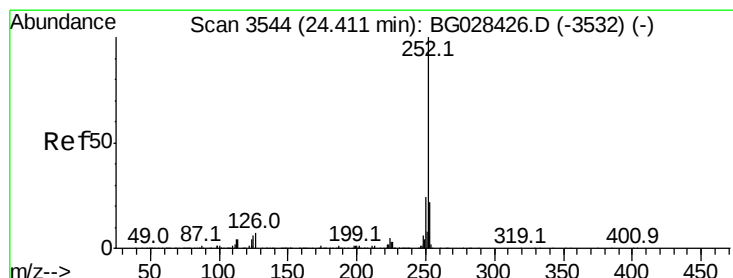
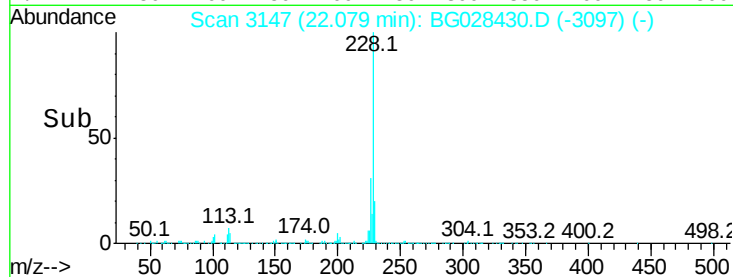
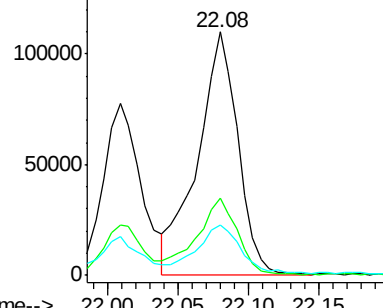
Ion	Ratio	Lower	Upper
228	100		
226	31.7	24.0	36.0
229	20.5	16.9	25.3



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: 18.377 ng/ul

RT: 24.42 min Scan# 3545

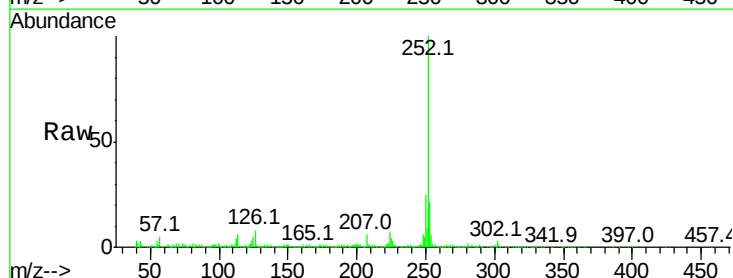
Delta R.T. 0.01 min

Lab File: BG028430.D

Acq: 22 Aug 2017 23:17

Tgt Ion:252 Resp: 384346

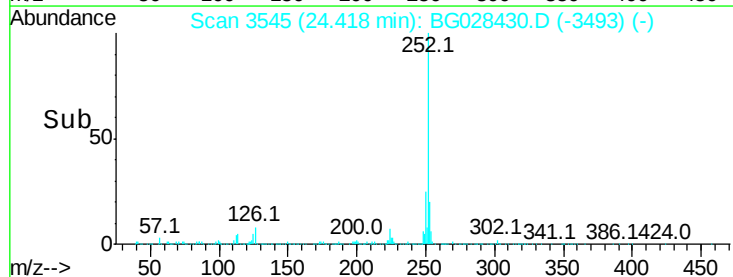
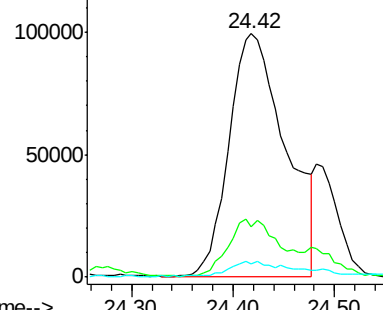
Ion	Ratio	Lower	Upper
252	100		
253	20.6	17.7	26.5
125	5.4	4.0	6.0

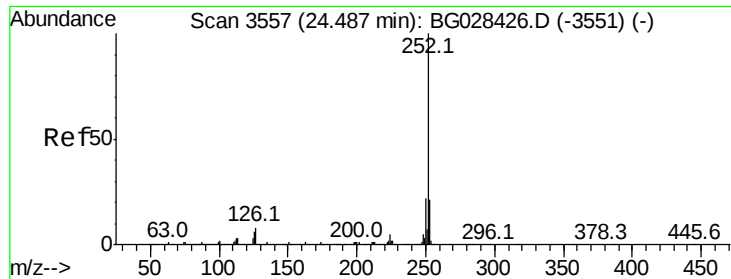


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

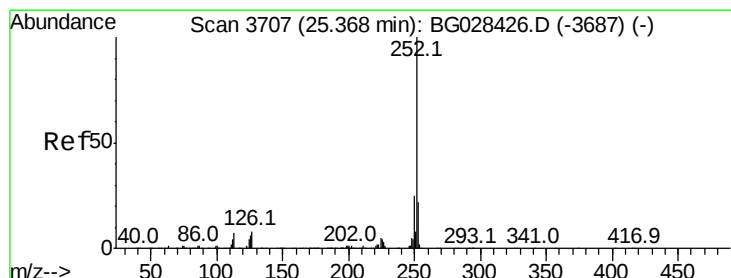
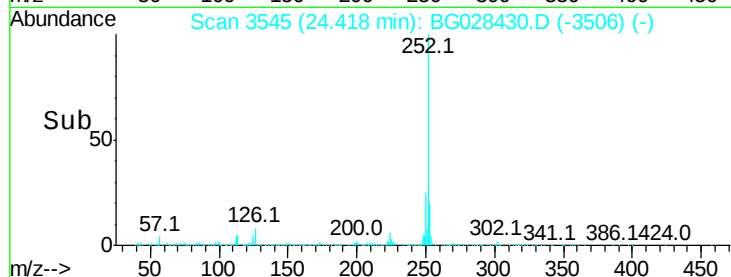
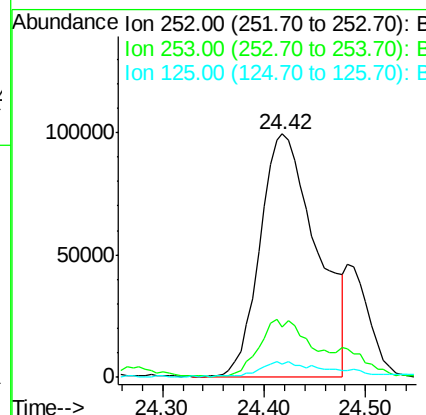
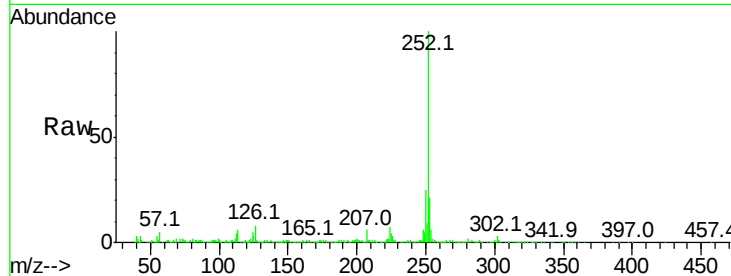




#86
Benzo(k)fluoranthene
Concen: 18.813 ng/ul
RT: 24.42 min Scan# 3545
Delta R.T. -0.07 min
Lab File: BG028430.D
Acq: 22 Aug 2017 23:17

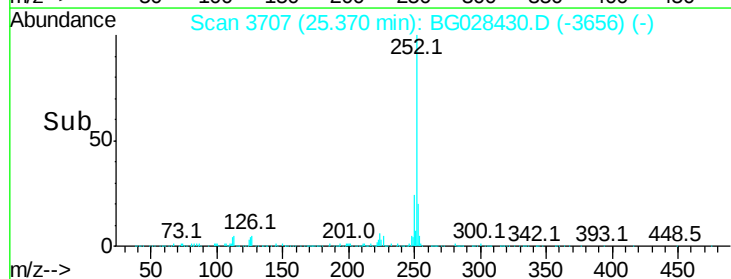
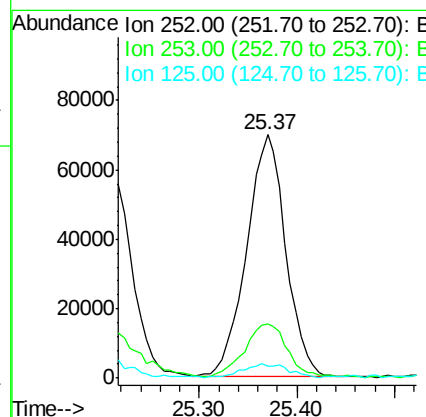
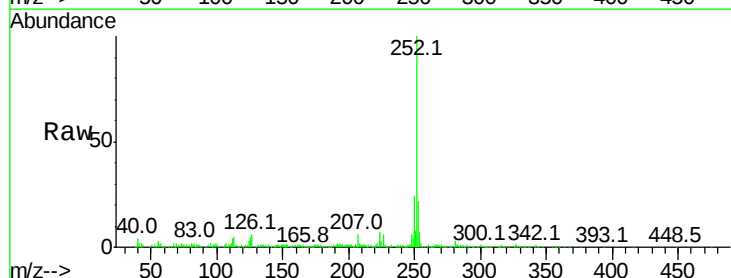
Instrument :
BNA_G
ClientSampled :
E7GC0DL

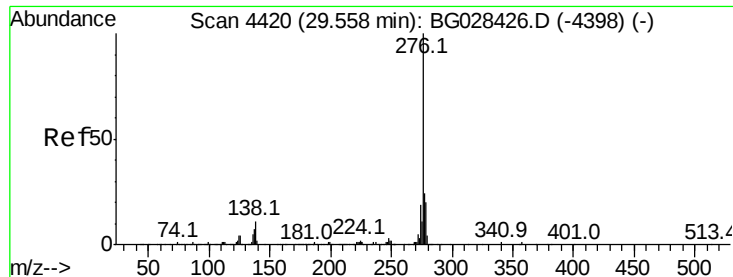
Tot Ion	Ratio	Lower	Upper
252	100		
253	20.6	18.5	27.7
125	5.4	4.1	6.1



#88
Benzo(a)pyrene
Concen: 9.667 ng/ul
RT: 25.37 min Scan# 3707
Delta R.T. 0.00 min
Lab File: BG028430.D
Acq: 22 Aug 2017 23:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	5.0	5.4	8.0#



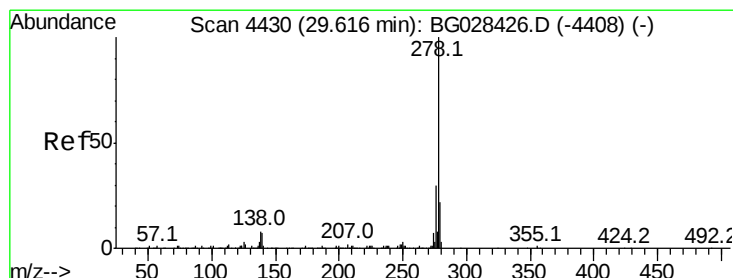
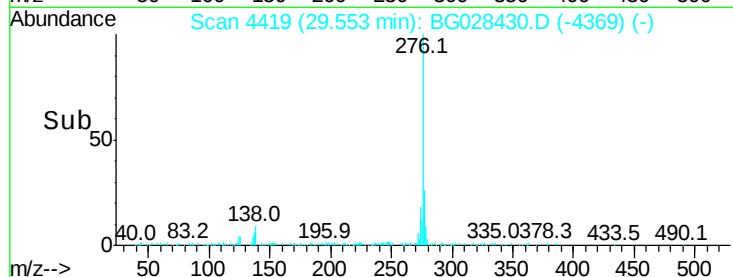
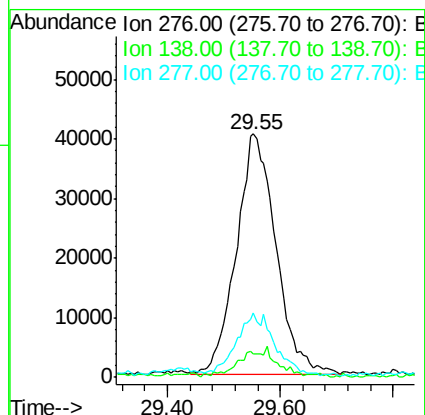
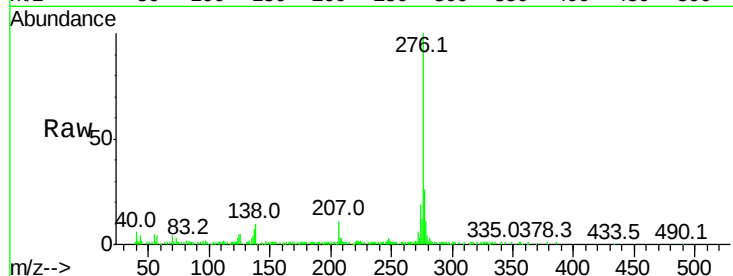


#89

Indeno(1,2,3-cd)pyrene
Concen: 8.343 ng/ul
RT: 29.55 min Scan# 4419
Delta R.T. -0.00 min
Lab File: BG028430.D
Acq: 22 Aug 2017 23:17

Instrument :
BNA_G
ClientSampleId :
E7GC0DL

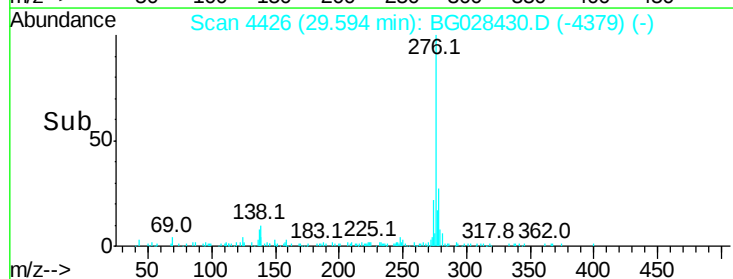
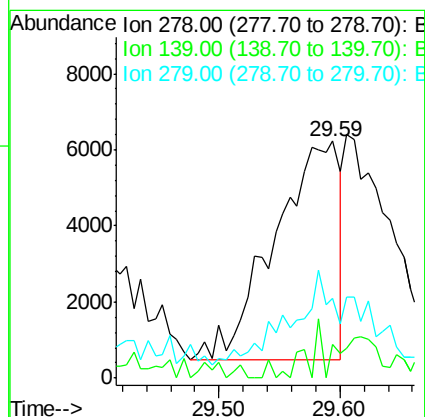
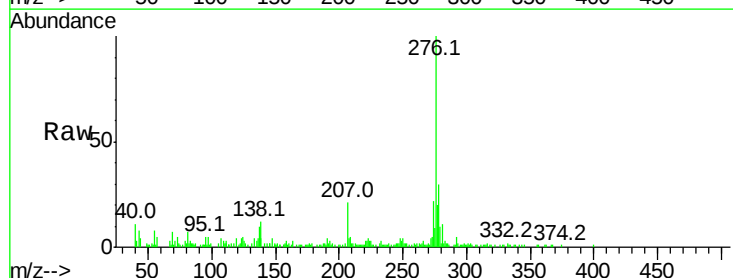
Tot Ion	Ratio	Lower	Upper
276	100		
138	9.6	8.2	12.4
277	26.2	18.6	28.0

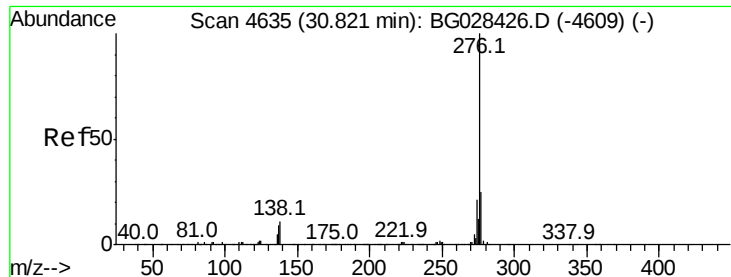


#90

Dibenzo(a,h)anthracene
Concen: 1.072 ng/ul
RT: 29.59 min Scan# 4426
Delta R.T. -0.02 min
Lab File: BG028430.D
Acq: 22 Aug 2017 23:17

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.4	6.7	10.1#
279	33.6	20.9	31.3#

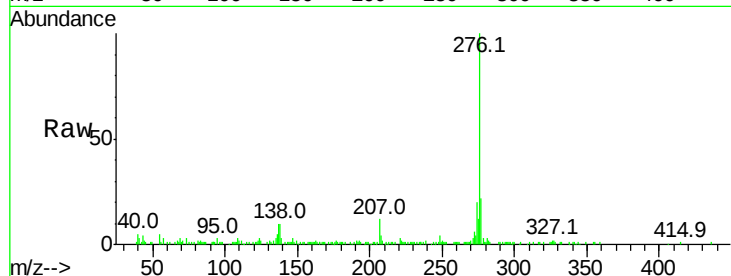




#91
 Benzo(a,h,i)perylene
 Concen: 10.299 ng/ul
 RT: 30.83 min Scan# 4636
 Delta R.T. 0.01 min
 Lab File: BG028430.D
 Acq: 22 Aug 2017 23:17

Instrument :
 BNA_G
 ClientSampleId :
 E7GC0DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	13.5	8.6	12.8#
277	21.8	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

