

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082517\
 Data File : BG028492.D
 Acq On : 25 Aug 2017 15:05
 Operator : SJ/JU
 Sample : I4940-13
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0AM0

Quant Time: Aug 25 23:13:35 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 25 23:11:18 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.34	152	36291	20.00	ng/ul	0.00
18) Naphthalene-d8	11.16	136	159084	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.95	164	112578	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.80	188	346783	20.00	ng/ul	0.10
75) Chrysene-d12	22.03	240	312026	20.00	ng/ul	0.00
83) Perylene-d12	25.55	264	310156	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.82	96	2614	3.35	ng/uL	0.00
5) Phenol-d5	7.50	99	52544	13.18	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.65	67	33953	13.45	ng/ul	0.00
9) 2-Chlorophenol-d4	7.87	132	33906	13.48	ng/ul	0.00
13) 4-Methylphenol-d8	9.04	113	40507	12.16	ng/ul	0.00
19) Nitrobenzene-d5	9.51	128	21788	17.52	ng/ul	0.00
22) 2-Nitrophenol-d4	10.23	143	27888	20.45	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.78	165	50103	17.75	ng/ul	0.00
29) 4-Chloroaniline-d4	11.29	131	43964	14.00	ng/ul	0.00
43) Dimethylphthalate-d6	14.34	166	216631	21.63	ng/ul	0.00
46) Acenaphthylene-d8	14.65	160	247428	21.92	ng/ul	0.00
51) 4-Nitrophenol-d4	15.15	143	25205	15.83	ng/ul	0.00
57) Fluorene-d10	15.94	176	197826	22.02	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.13	200	330	0.15	ng/ul	0.07
70) Anthracene-d10	17.80	188	346783	20.85	ng/ul	0.00
76) Pyrene-d10	20.07	212	450087	28.13	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.30	264	434018	29.89	ng/ul	0.02

Target Compounds

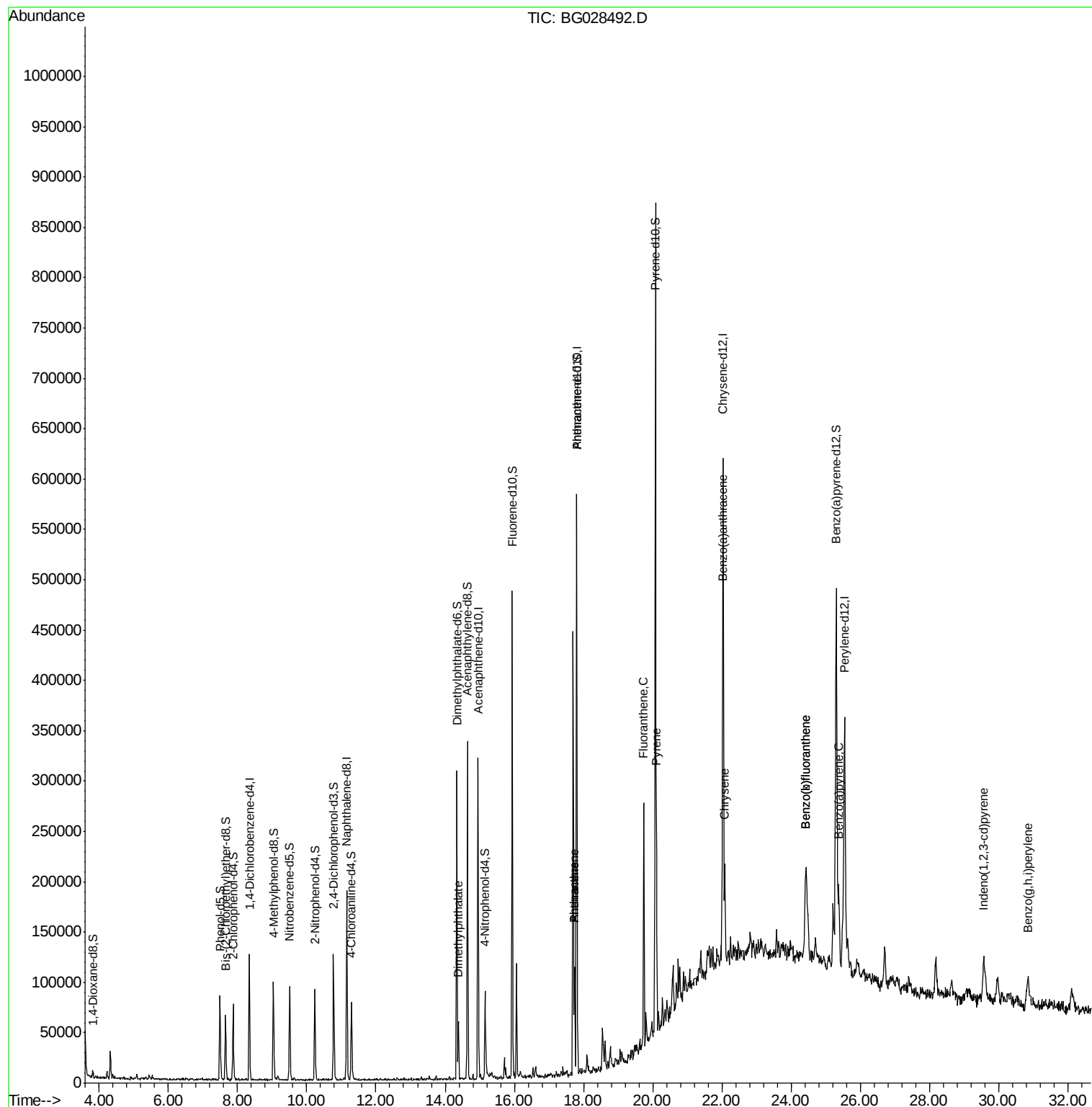
					Ovalue
44) Dimethylphthalate	14.38	163	34544	3.747 ng/ul	97
69) Phenanthrene	17.74	178	65646	3.762 ng/ul	96
71) Anthracene	17.74	178	65646	3.680 ng/ul	95
74) Fluoranthene	19.74	202	159043	7.499 ng/ul	98
77) Pyrene	20.10	202	136416	7.328 ng/ul	97
80) Benzo(a)anthracene	22.01	228	90609	5.026 ng/ul	98
82) Chrysene	22.08	228	78029	4.806 ng/ul	97
85) Benzo(b)fluoranthene	24.41	252	120160	6.474 ng/ul	96
86) Benzo(k)fluoranthene	24.41	252	120160	6.628 ng/ul	98
88) Benzo(a)pyrene	25.37	252	91787	5.108 ng/ul	94
89) Indeno(1,2,3-cd)pyrene	29.57	276	90510	4.301 ng/ul	96
91) Benzo(g,h,i)perylene	30.83	276	85770	4.954 ng/ul#	96

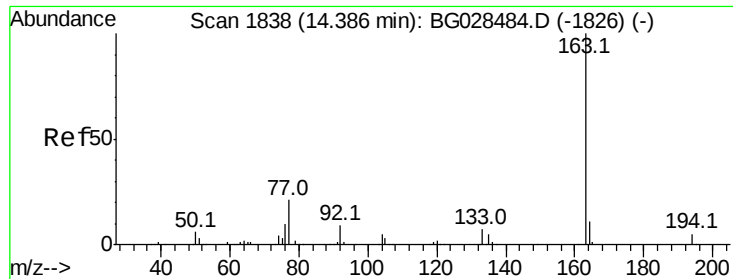
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#44

Dimethylphthalate

Concen: 3.747 ng/ul

RT: 14.38 min Scan# 1837

Delta R.T. -0.00 min

Lab File: BG028492.D

Acq: 25 Aug 2017 15:05

Instrument :

BNA_G

ClientSampleId :

B0AM0

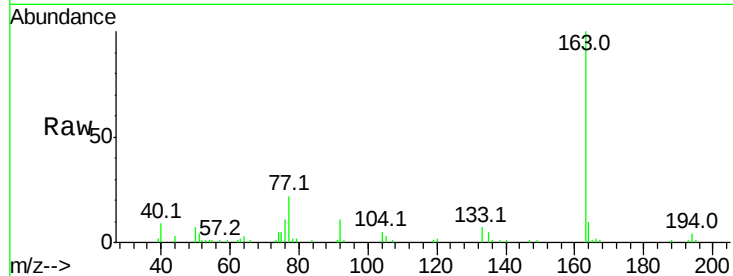
Tot Ion:163 Resp: 34544

Ion Ratio Lower Upper

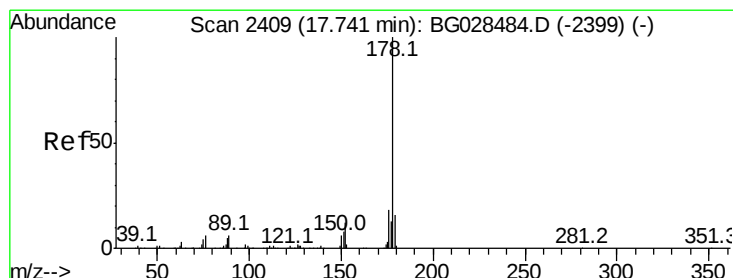
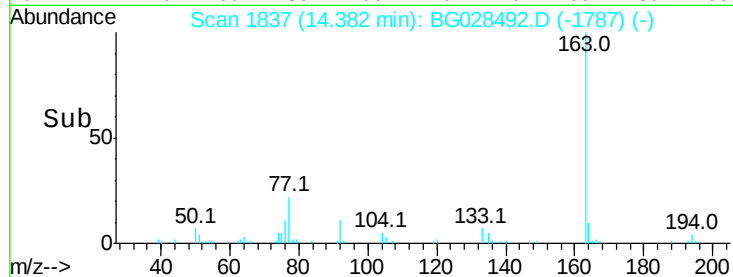
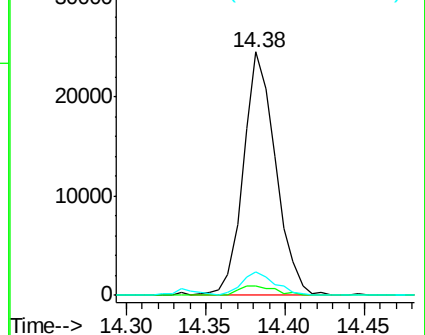
163 100

194 3.6 3.4 5.0

164 9.7 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



#69

Phenanthrene

Concen: 3.762 ng/ul

RT: 17.74 min Scan# 2409

Delta R.T. 0.00 min

Lab File: BG028492.D

Acq: 25 Aug 2017 15:05

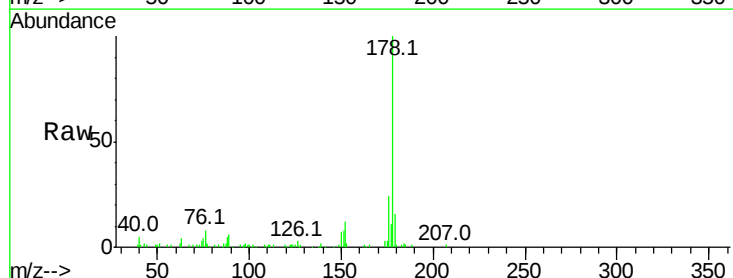
Tgt Ion:178 Resp: 65646

Ion Ratio Lower Upper

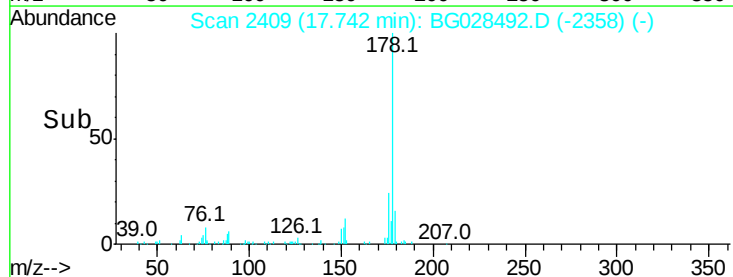
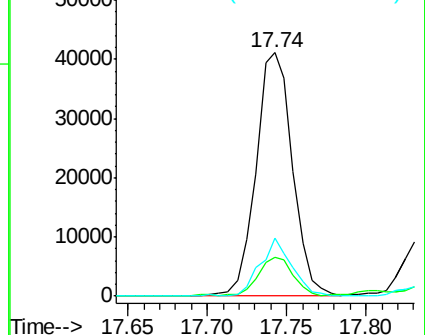
178 100

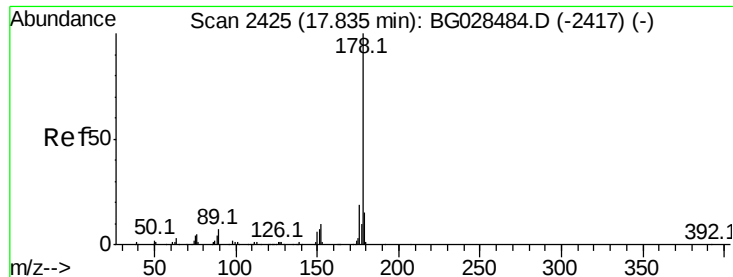
179 16.0 12.4 18.6

176 23.8 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

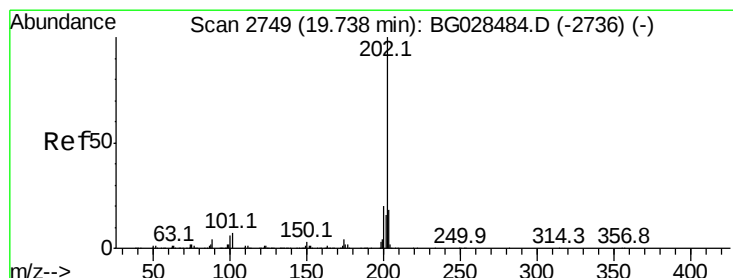
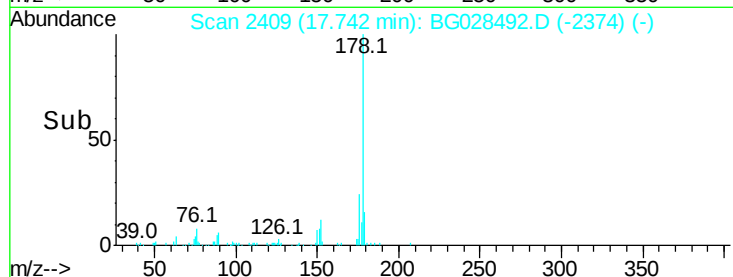
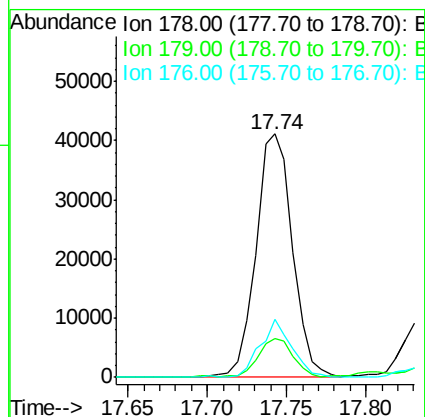
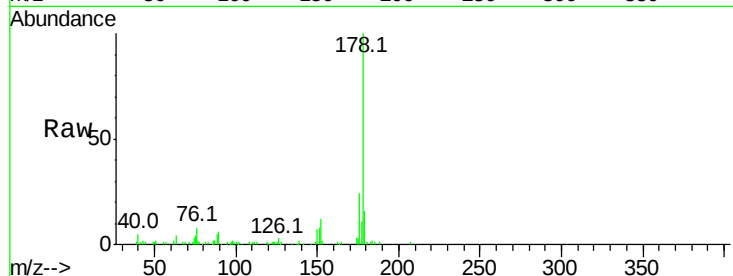




#71
 Anthracene
 Concen: 3.680 ng/ul
 RT: 17.74 min Scan# 2409
 Delta R.T. -0.09 min
 Lab File: BG028492.D
 Acq: 25 Aug 2017 15:05

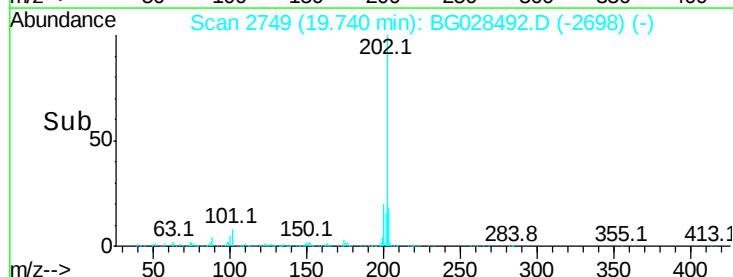
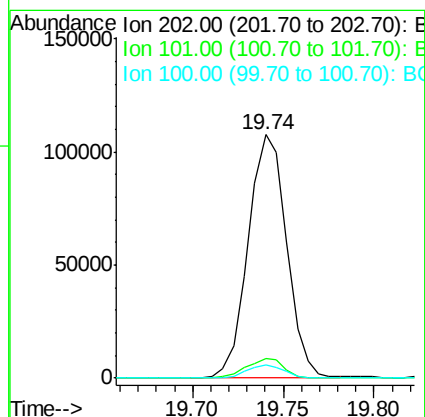
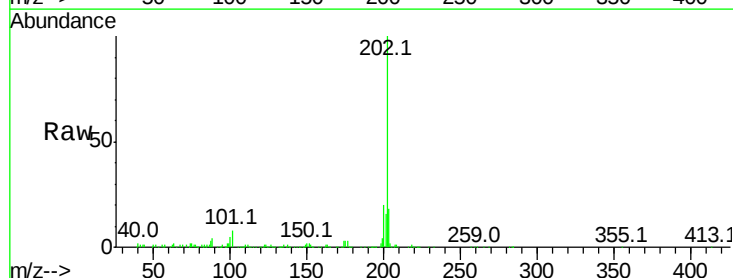
Instrument :
 BNA_G
 ClientSampleId :
 B0AM0

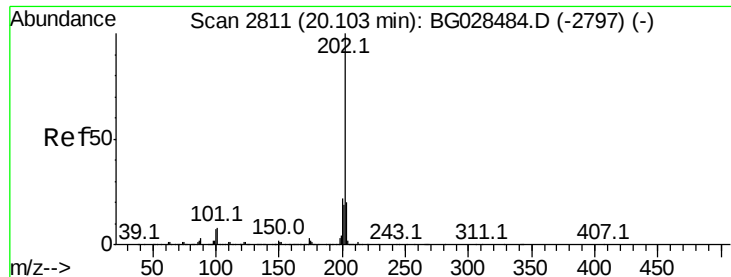
Tot Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.6	19.0
176	23.8	15.9	23.9



#74
 Fluoranthene
 Concen: 7.499 ng/ul
 RT: 19.74 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: BG028492.D
 Acq: 25 Aug 2017 15:05

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.3	6.2	9.2
100	5.4	5.2	7.8





#77

Pvrene

Concen: 7.328 ng/ul

RT: 20.10 min Scan# 2811

Delta R.T. 0.00 min

Lab File: BG028492.D

Acq: 25 Aug 2017 15:05

Instrument :

BNA_G

ClientSampleId :

B0AM0

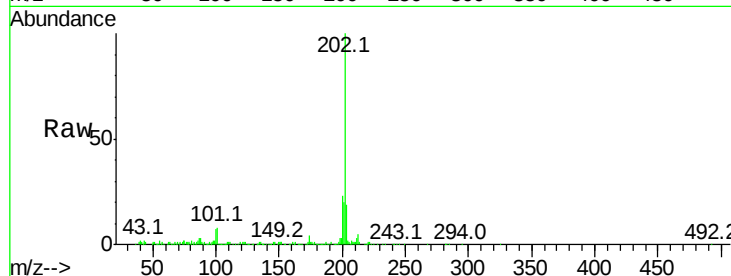
Tot Ion:202 Resp: 136416

Ion Ratio Lower Upper

202 100

101 8.0 6.9 10.3

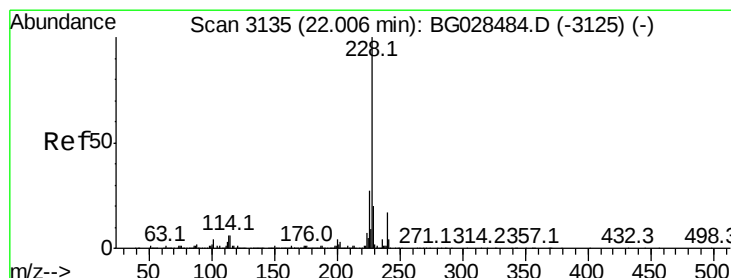
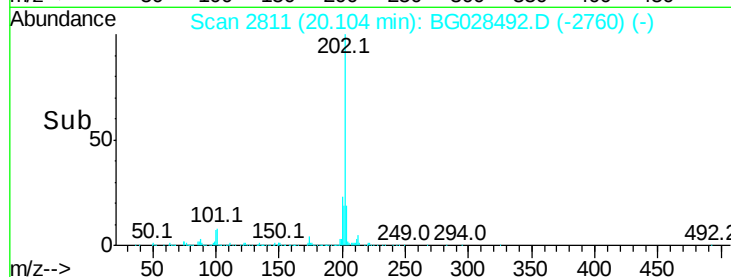
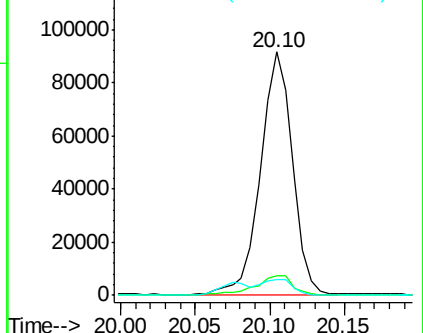
100 6.7 6.6 10.0



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: 5.026 ng/ul

RT: 22.01 min Scan# 3136

Delta R.T. 0.01 min

Lab File: BG028492.D

Acq: 25 Aug 2017 15:05

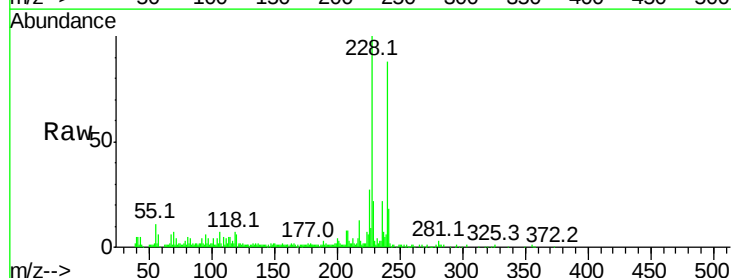
Tgt Ion:228 Resp: 90609

Ion Ratio Lower Upper

228 100

229 22.3 16.3 24.5

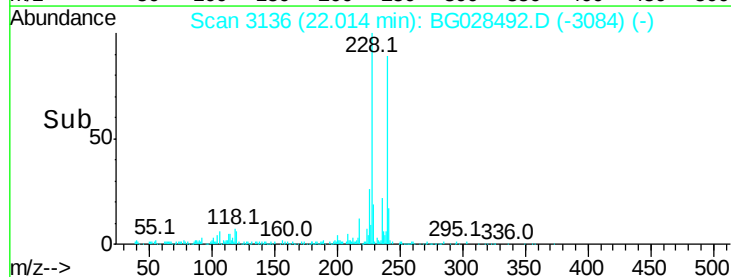
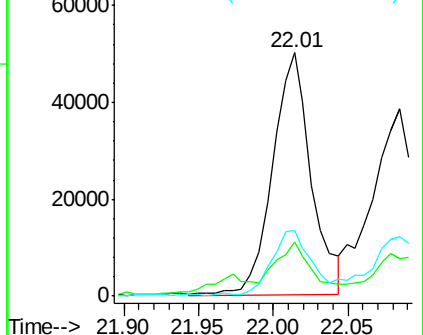
226 26.9 21.9 32.9

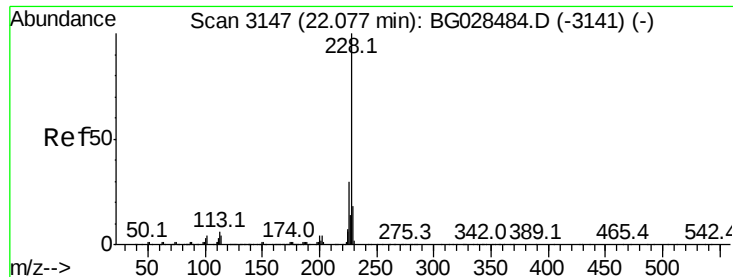


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 4.806 ng/ul

RT: 22.08 min Scan# 3148

Delta R.T. 0.01 min

Lab File: BG028492.D

Acq: 25 Aug 2017 15:05

Instrument :

BNA_G

ClientSampleId :

B0AM0

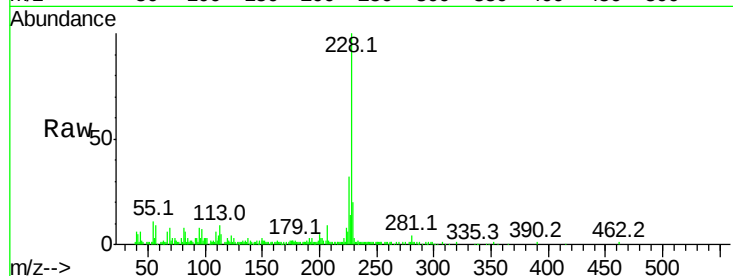
Tot Ion:228 Resp: 78029

Ion Ratio Lower Upper

228 100

226 31.7 24.0 36.0

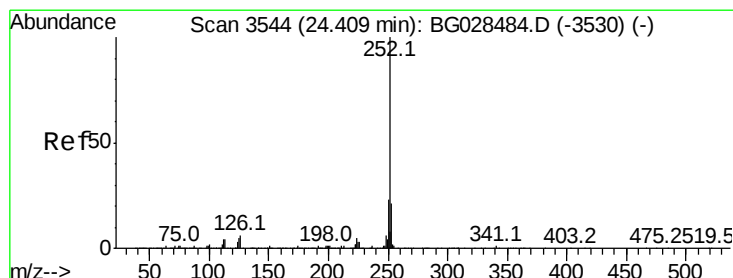
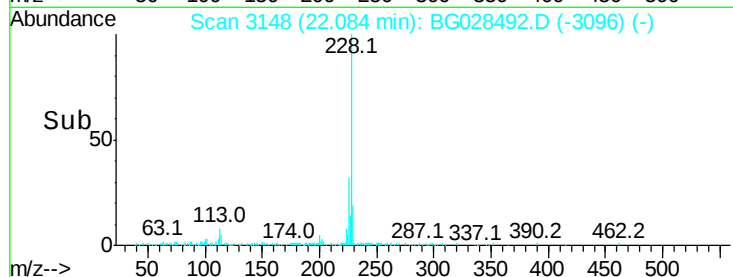
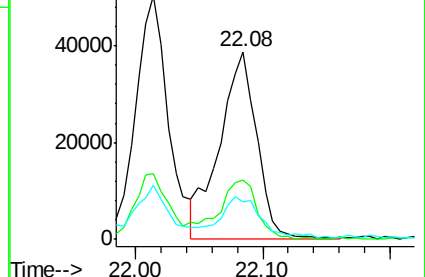
229 20.1 16.9 25.3



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: 6.474 ng/ul

RT: 24.41 min Scan# 3544

Delta R.T. 0.00 min

Lab File: BG028492.D

Acq: 25 Aug 2017 15:05

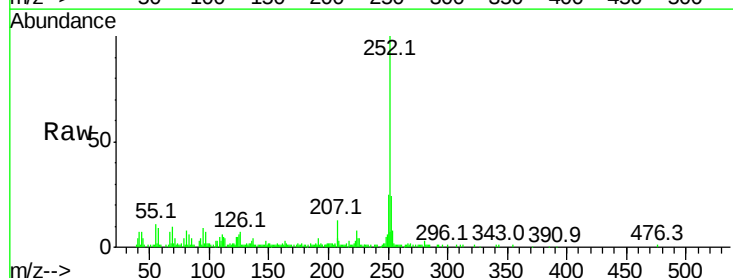
Tgt Ion:252 Resp: 120160

Ion Ratio Lower Upper

252 100

253 24.1 17.7 26.5

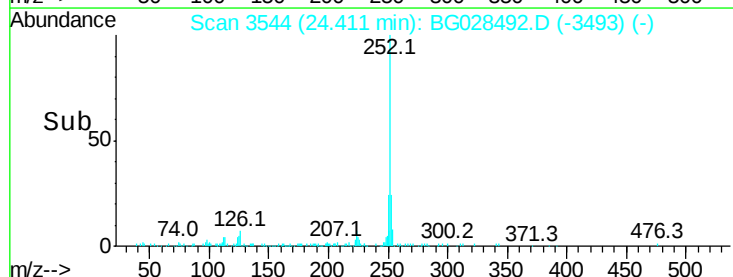
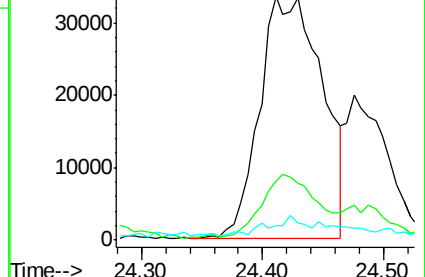
125 5.8 4.0 6.0

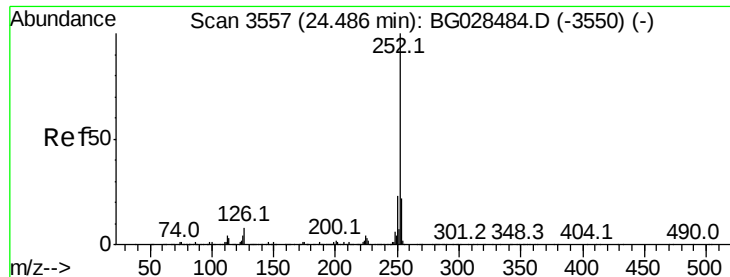


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 6.628 ng/u1

RT: 24.41 min Scan# 3544

Delta R.T. -0.07 min

Lab File: BG028492.D

Acq: 25 Aug 2017 15:05

Instrument :

BNA_G

ClientSampleId :

B0AM0

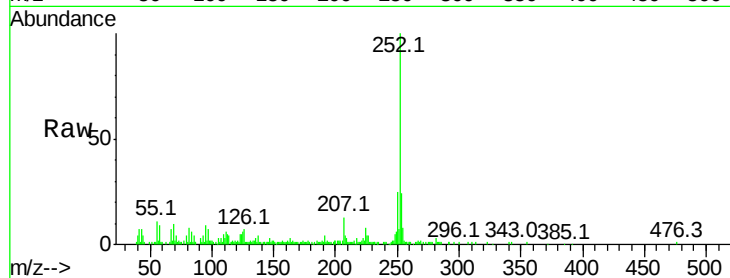
Tot Ion:252 Resp: 120160

Ion Ratio Lower Upper

252 100

253 24.1 18.5 27.7

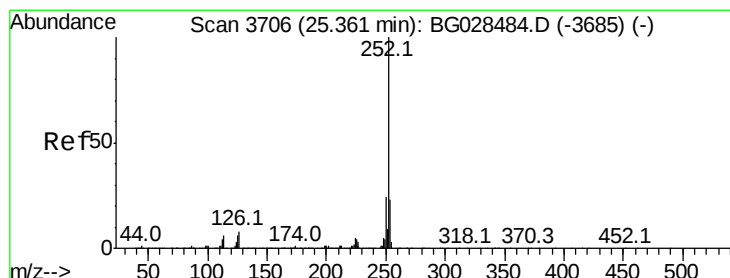
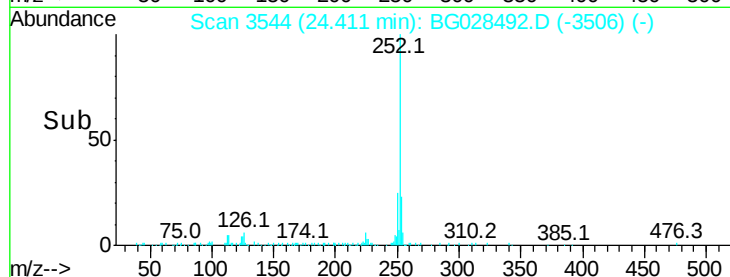
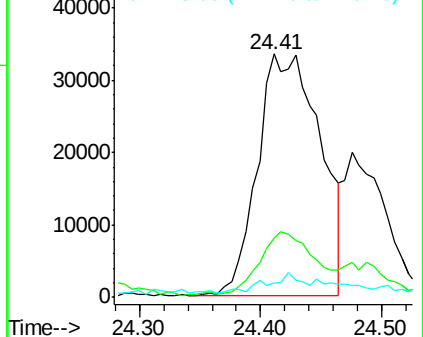
125 5.8 4.1 6.1



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: 5.108 ng/u1

RT: 25.37 min Scan# 3707

Delta R.T. 0.01 min

Lab File: BG028492.D

Acq: 25 Aug 2017 15:05

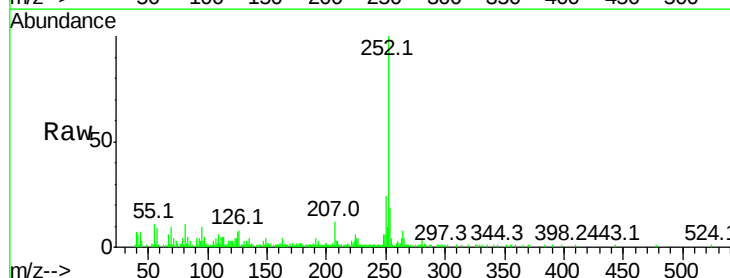
Tgt Ion:252 Resp: 91787

Ion Ratio Lower Upper

252 100

253 18.7 17.8 26.6

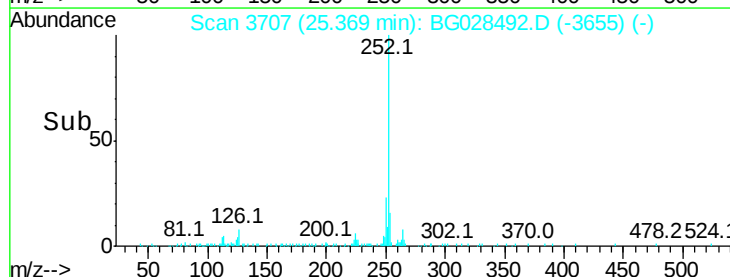
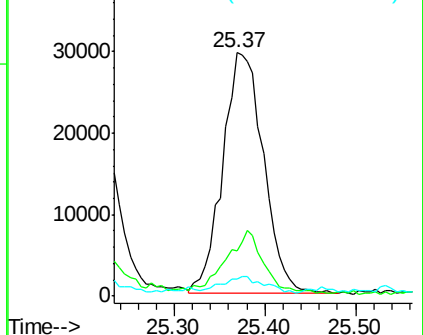
125 7.0 5.4 8.0

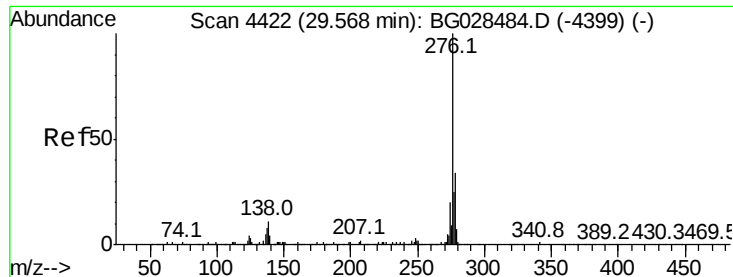


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



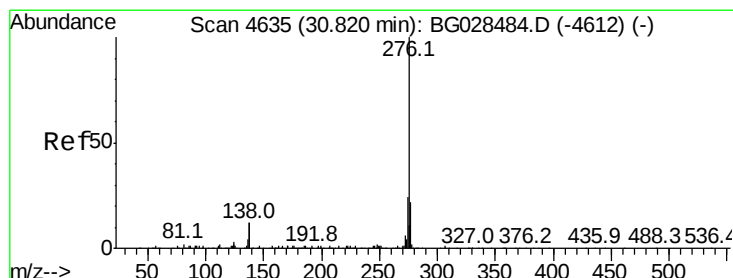
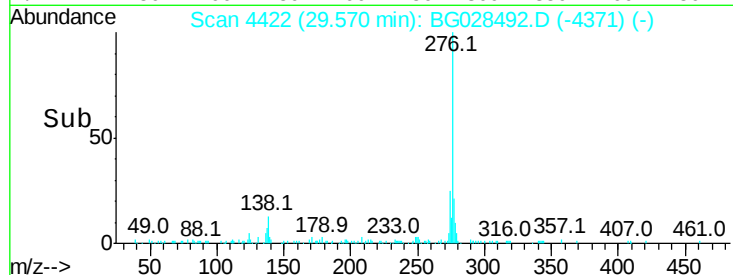
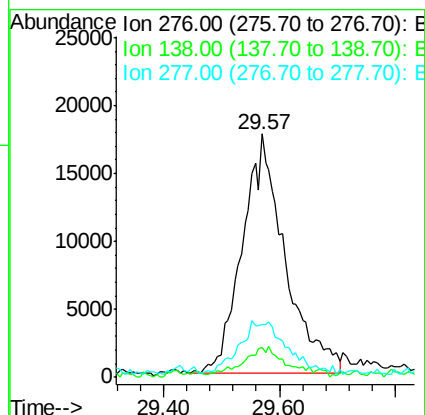
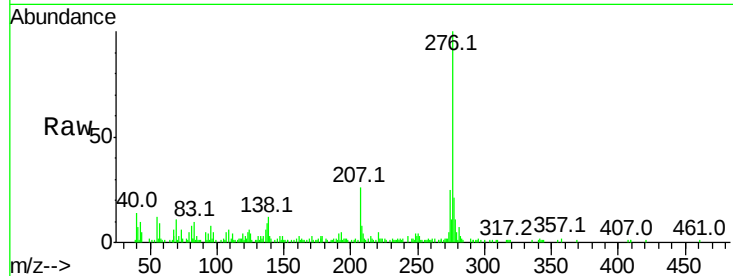


#89

Indeno(1,2,3-cd)pyrene
Concen: 4.301 ng/ul
RT: 29.57 min Scan# 4422
Delta R.T. 0.00 min
Lab File: BG028492.D
Acq: 25 Aug 2017 15:05

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Tot Ion	Ratio	Lower	Upper
276	100		
138	12.2	8.2	12.4
277	21.5	18.6	28.0



#91

Benzo(g,h,i)perylene
Concen: 4.954 ng/ul
RT: 30.83 min Scan# 4636
Delta R.T. 0.01 min
Lab File: BG028492.D
Acq: 25 Aug 2017 15:05

Tgt Ion	Ratio	Lower	Upper
276	100		
138	7.5	8.6	12.8#
277	23.0	17.6	26.4

