

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102517\
 Data File : BG029484.D
 Acq On : 26 Oct 2017 19:06
 Operator : SJ/JU
 Sample : I5792-04DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 27 02:17:00 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 26 09:08:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	99539	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	490699	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.79	164	306343	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.53	188	676847	20.00	ng/ul	0.00
75) Chrysene-d12	21.80	240	719765	20.00	ng/ul	0.00
83) Perylene-d12	25.12	264	737186	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.55	96	2634	1.08	ng/uL	0.00
5) Phenol-d5	7.32	99	52781	5.52	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.49	67	32724	5.47	ng/ul	0.00
9) 2-Chlorophenol-d4	7.70	132	44463	6.60	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	40838	5.29	ng/ul	0.00
19) Nitrobenzene-d5	9.34	128	22214	6.31	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	26040	7.21	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.61	165	49046	5.96	ng/ul	0.00
29) 4-Chloroaniline-d4	11.12	131	28518	2.98	ng/ul	0.00
43) Dimethylphthalate-d6	14.18	166	158890	6.07	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	200261	6.29	ng/ul	0.00
51) 4-Nitrophenol-d4	14.98	143	13690	2.83	ng/ul	0.00
57) Fluorene-d10	15.78	176	144272	6.73	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.89	200	11742	3.55	ng/ul	0.00
70) Anthracene-d10	17.63	188	209202	6.54	ng/ul	0.00
76) Pyrene-d10	19.90	212	238791	6.41	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.89	264	218898	6.27	ng/ul	0.01

Target Compounds

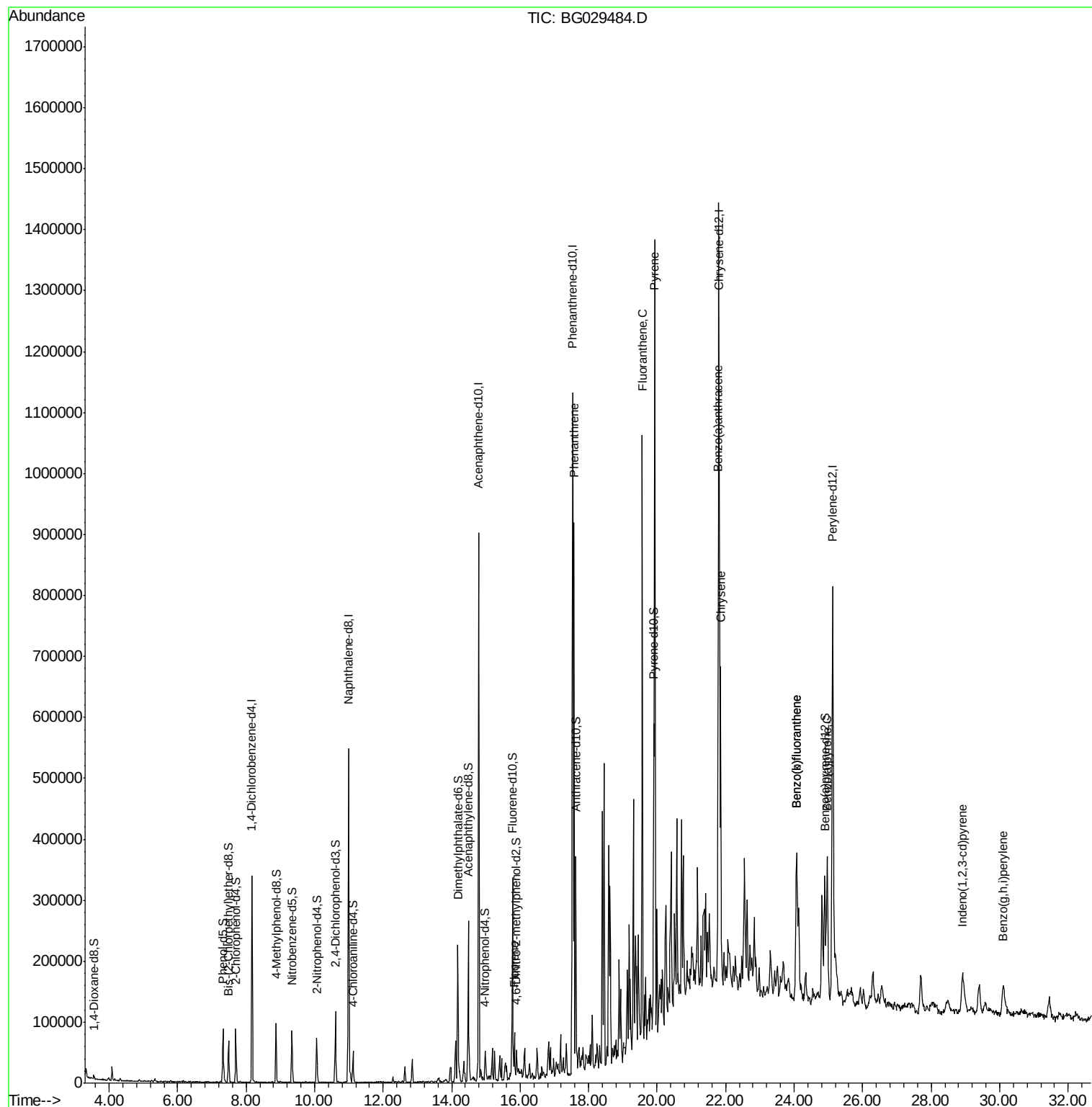
						Ovalue
58) Fluorene	15.83	166	29983	1.24	ng/ul	92
69) Phenanthrene	17.57	178	565079	15.44	ng/ul	99
74) Fluoranthene	19.57	202	579721	14.18	ng/ul	98
77) Pyrene	19.93	202	759109	15.74	ng/ul	98
80) Benzo(a)anthracene	21.78	228	309045	6.85	ng/ul	98
82) Chrysene	21.85	228	387050	9.44	ng/ul	97
85) Benzo(b)fluoranthene	24.07	252	342508	7.74	ng/ul	95
86) Benzo(k)fluoranthene	24.07	252	342508	8.00	ng/ul	96
88) Benzo(a)pyrene	24.97	252	275959	6.41	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	28.93	276	138833	2.85	ng/ul	98
91) Benzo(g,h,i)perylene	30.11	276	119006	2.95	ng/ul#	84

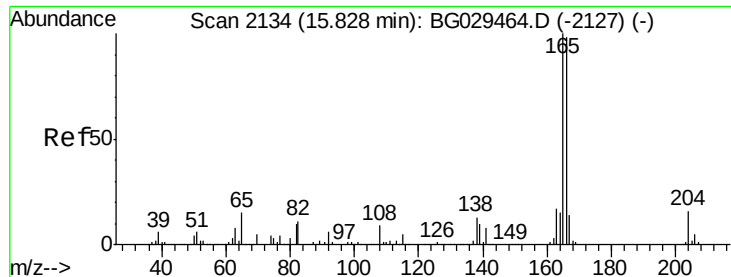
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102517\
Data File : BG029484.D
Acq On : 26 Oct 2017 19:06
Operator : SJ/JU
Sample : I5792-04DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :

Quant Time: Oct 27 02:17:00 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 26 09:08:53 2017
Response via : Initial Calibration





#58

Fluorene

Concen: 1.24 ng/ul

RT: 15.83 min Scan# 2134

Delta R.T. 0.00 min

Lab File: BG029484.D

Acq: 26 Oct 2017 19:06

Instrument :

BNA_G

ClientSampleId :

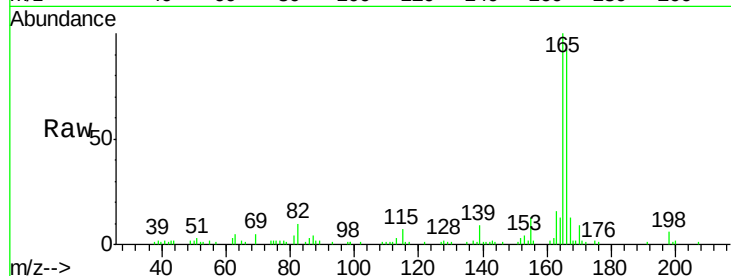
Tot Ion:166 Resp: 29983

Ion Ratio Lower Upper

166 100

165 108.7 79.9 119.9

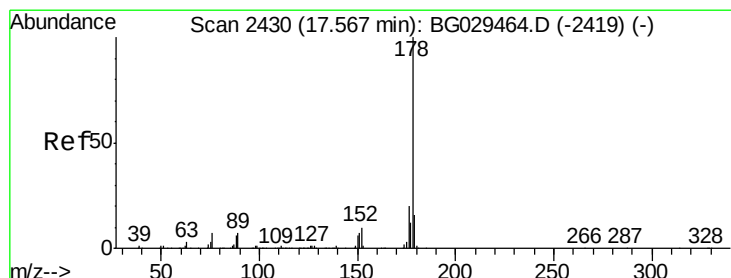
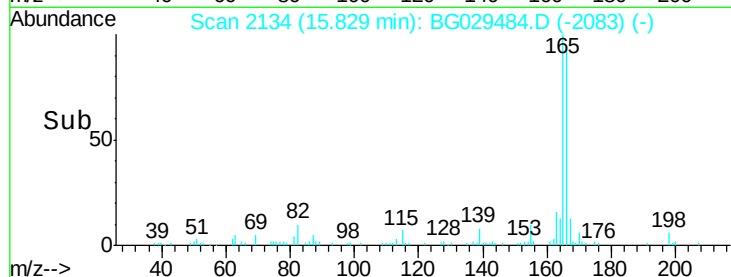
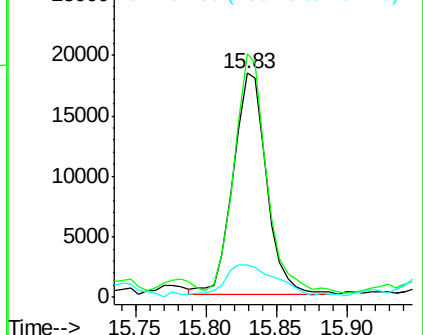
167 14.2 10.6 16.0



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: 15.44 ng/ul

RT: 17.57 min Scan# 2430

Delta R.T. 0.00 min

Lab File: BG029484.D

Acq: 26 Oct 2017 19:06

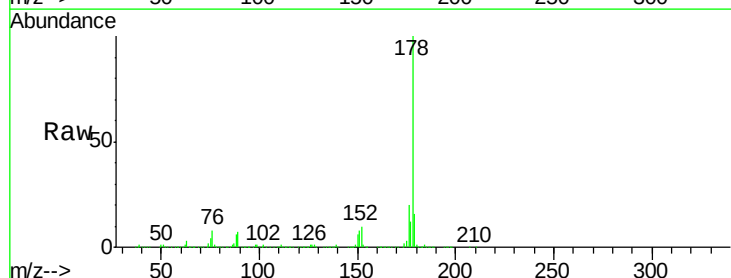
Tgt Ion:178 Resp: 565079

Ion Ratio Lower Upper

178 100

179 16.3 13.0 19.6

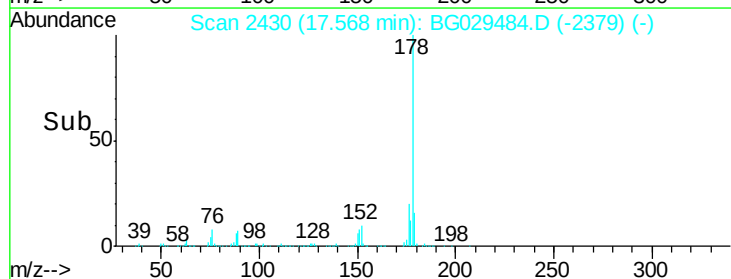
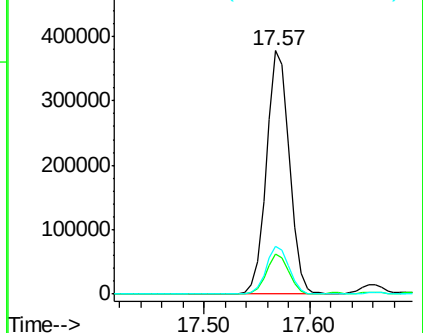
176 19.9 15.3 22.9

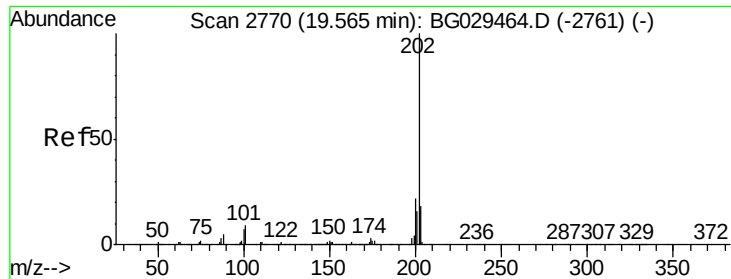


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

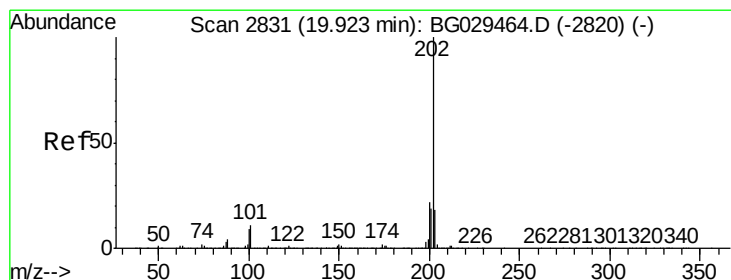
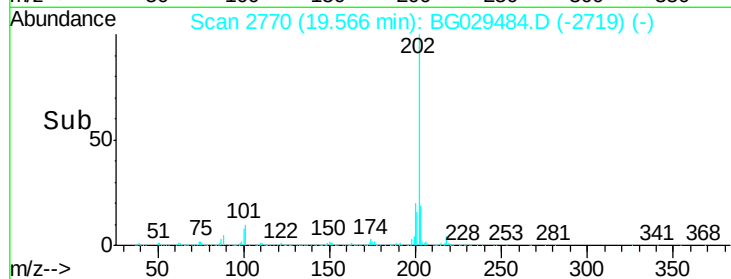
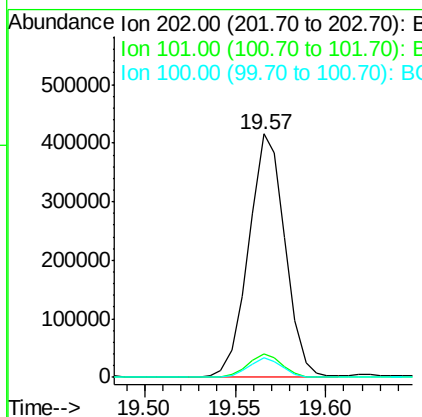
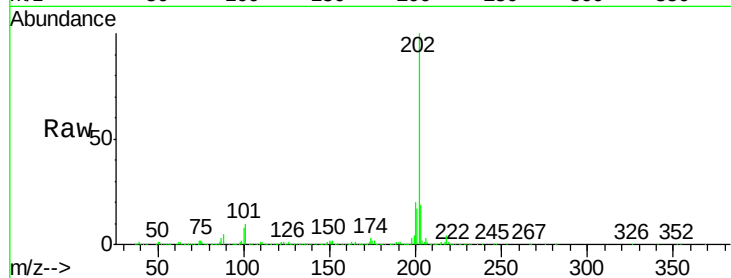




#74
Fluoranthene
Concen: 14.18 ng/ul
RT: 19.57 min Scan# 2770
Delta R.T. 0.00 min
Lab File: BG029484.D
Acq: 26 Oct 2017 19:06

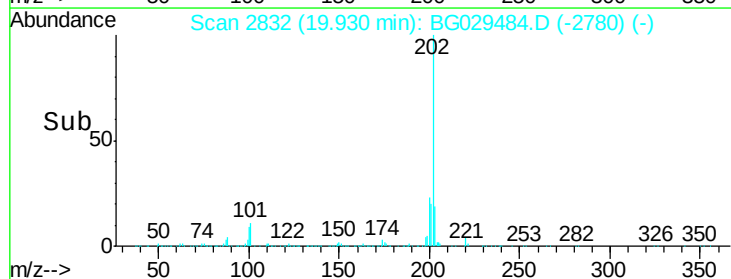
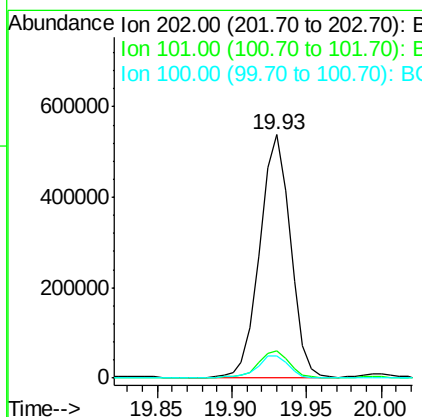
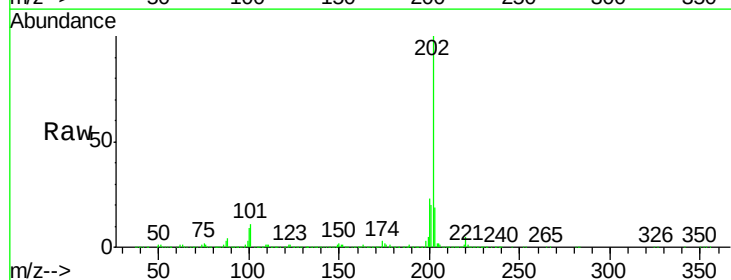
Instrument :
BNA_G
ClientSampleId :

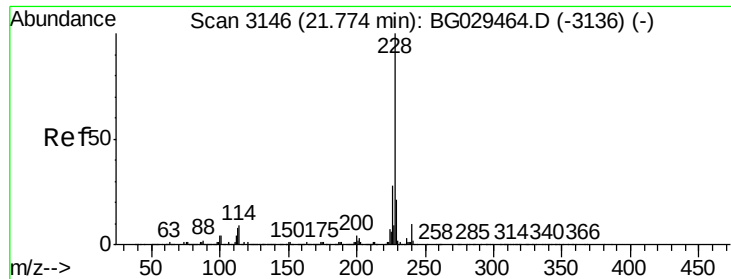
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.8	7.4	11.2
100	7.8	5.6	8.4



#77
Pyrene
Concen: 15.74 ng/ul
RT: 19.93 min Scan# 2832
Delta R.T. 0.01 min
Lab File: BG029484.D
Acq: 26 Oct 2017 19:06

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.4	8.4	12.6
100	9.4	7.0	10.6





#80

Benzo(a)anthracene

Concen: 6.85 ng/ul

RT: 21.78 min Scan# 3147

Delta R.T. 0.01 min

Lab File: BG029484.D

Acq: 26 Oct 2017 19:06

Instrument :

BNA_G

ClientSampleId :

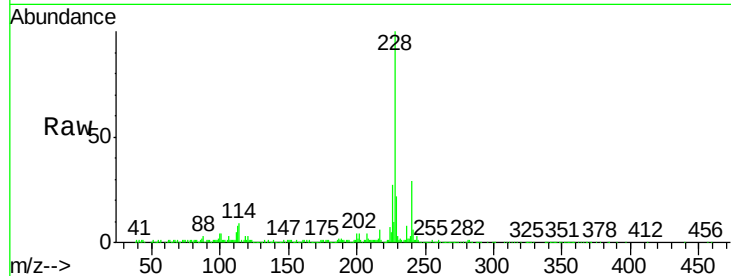
Tot Ion:228 Resp: 309045

Ion Ratio Lower Upper

228 100

229 21.6 16.2 24.4

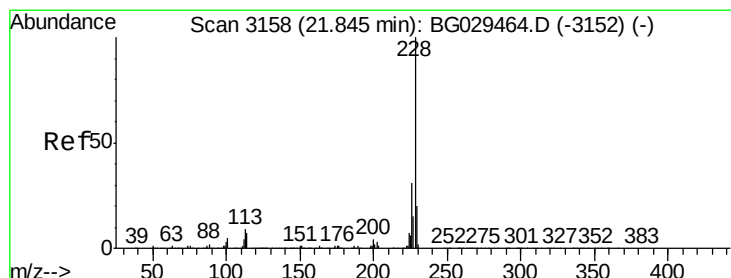
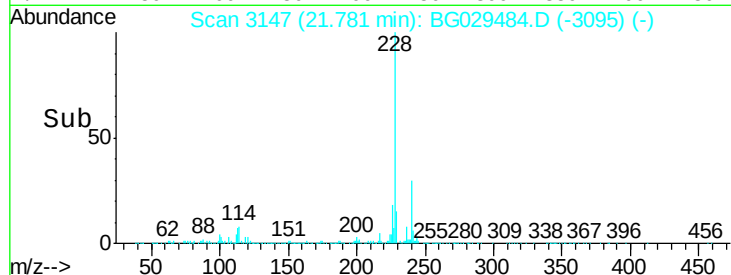
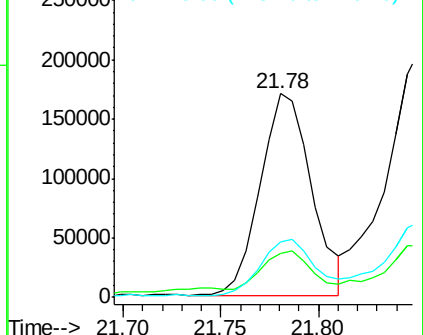
226 27.3 22.2 33.2



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: 9.44 ng/ul

RT: 21.85 min Scan# 3159

Delta R.T. 0.01 min

Lab File: BG029484.D

Acq: 26 Oct 2017 19:06

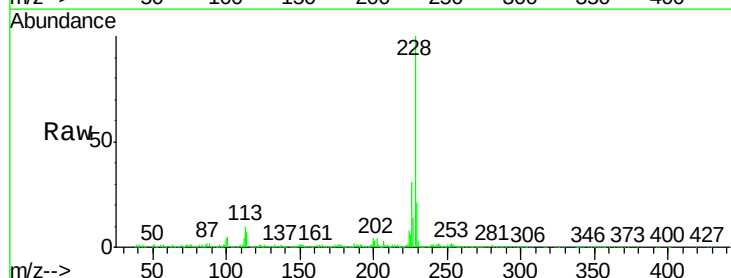
Tgt Ion:228 Resp: 387050

Ion Ratio Lower Upper

228 100

226 30.8 24.2 36.2

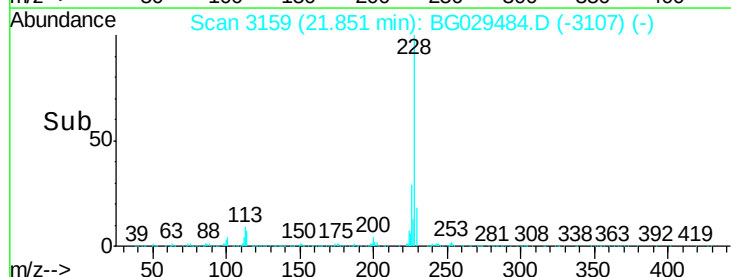
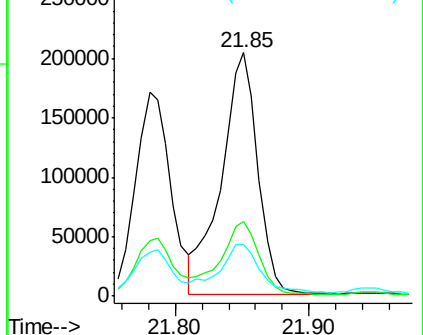
229 21.1 15.2 22.8

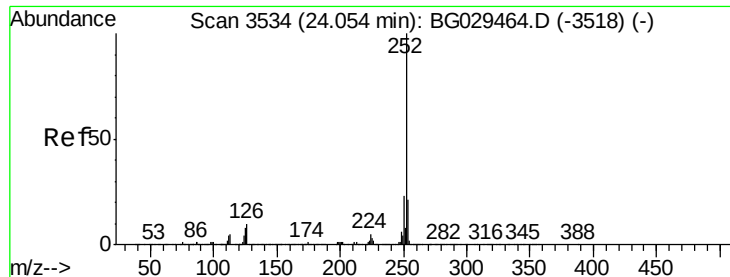


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 7.74 ng/ul

RT: 24.07 min Scan# 3537

Delta R.T. 0.02 min

Lab File: BG029484.D

Acq: 26 Oct 2017 19:06

Instrument :

BNA_G

ClientSampleId :

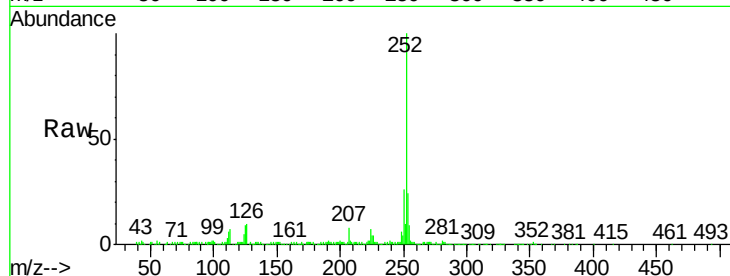
Tot Ion:252 Resp: 342508

Ion Ratio Lower Upper

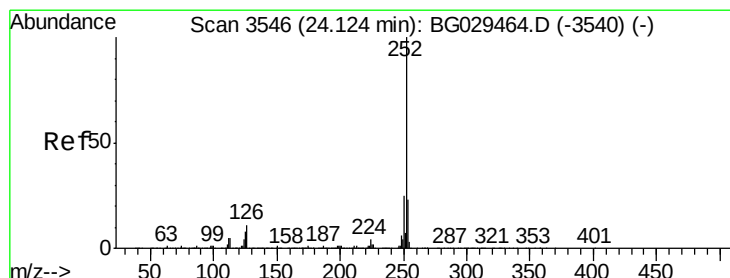
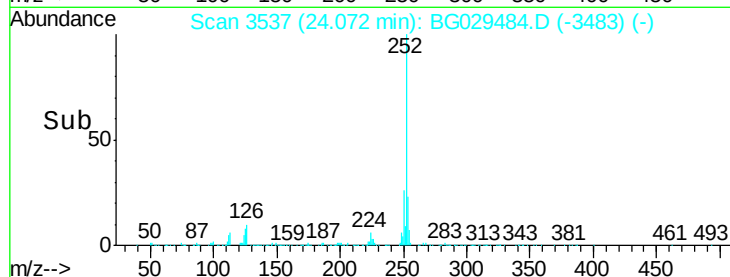
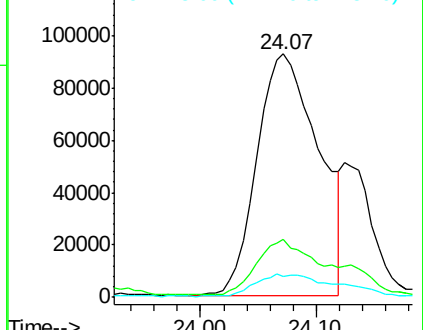
252 100

253 23.9 17.0 25.4

125 8.7 7.5 11.3



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: 8.00 ng/ul

RT: 24.07 min Scan# 3537

Delta R.T. -0.05 min

Lab File: BG029484.D

Acq: 26 Oct 2017 19:06

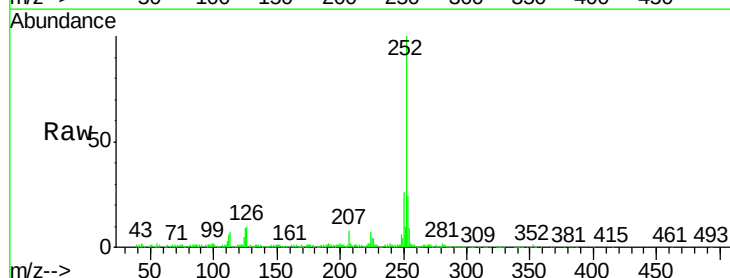
Tgt Ion:252 Resp: 342508

Ion Ratio Lower Upper

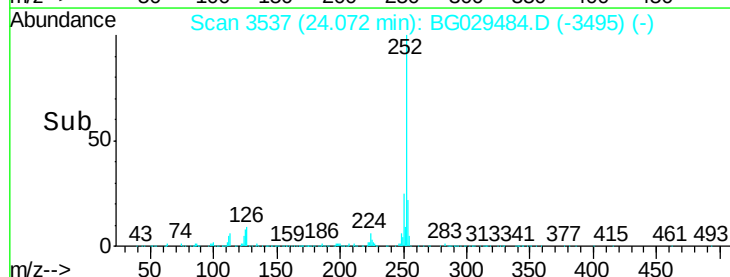
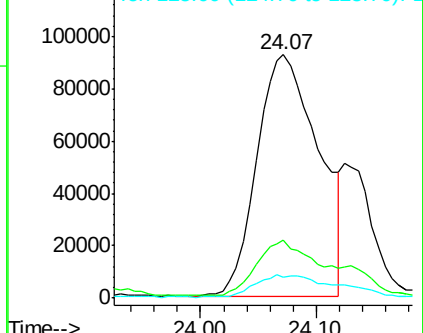
252 100

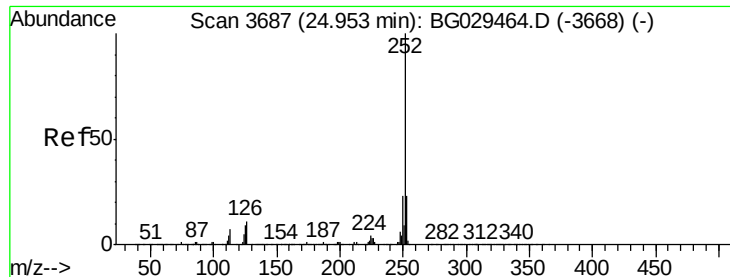
253 23.9 17.2 25.8

125 8.7 7.8 11.8



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: 6.41 ng/ul

RT: 24.97 min Scan# 3689

Delta R.T. 0.01 min

Lab File: BG029484.D

Acq: 26 Oct 2017 19:06

Instrument :

BNA_G

ClientSampleId :

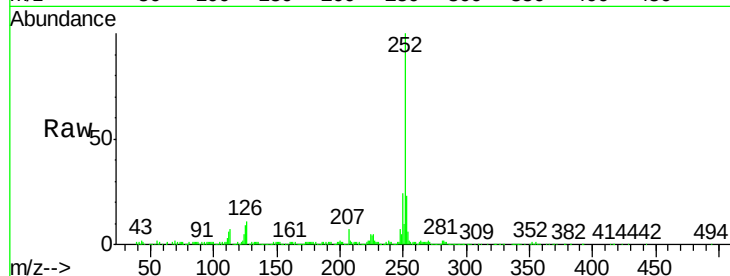
Tot Ion:252 Resp: 275959

Ion Ratio Lower Upper

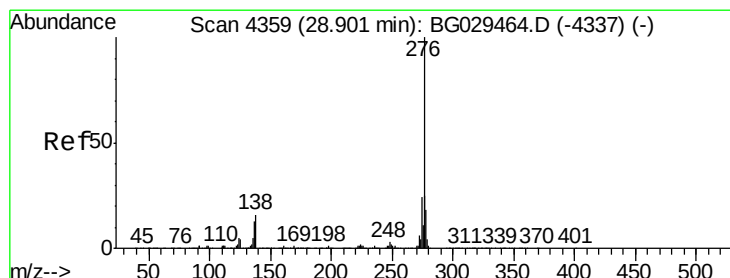
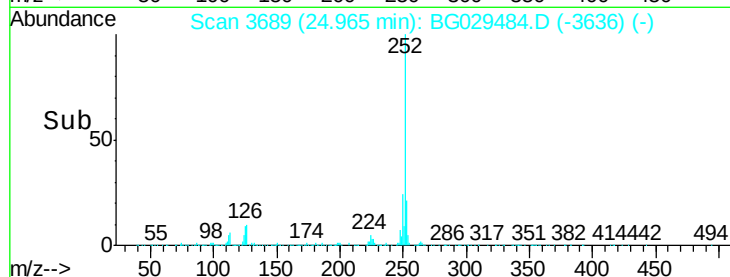
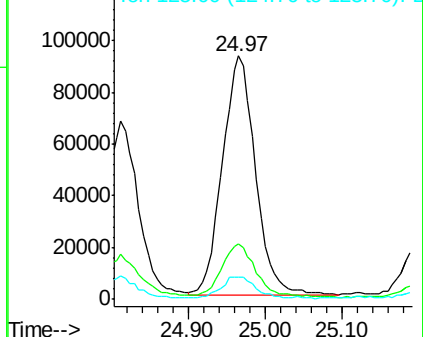
252 100

253 22.6 17.1 25.7

125 9.3 7.8 11.8



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: 2.85 ng/ul

RT: 28.93 min Scan# 4363

Delta R.T. 0.02 min

Lab File: BG029484.D

Acq: 26 Oct 2017 19:06

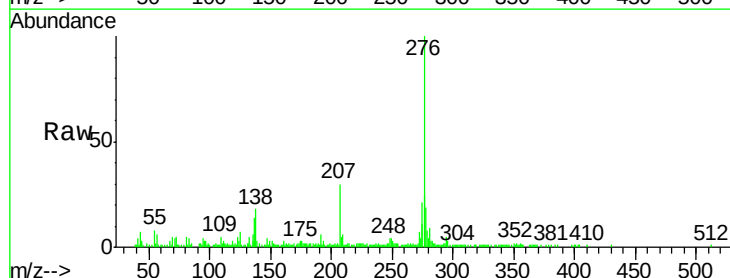
Tgt Ion:276 Resp: 138833

Ion Ratio Lower Upper

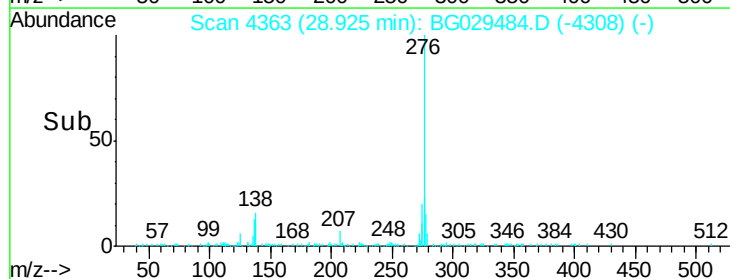
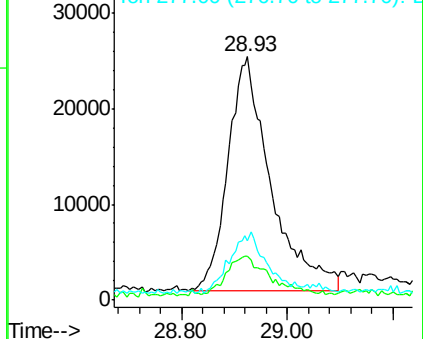
276 100

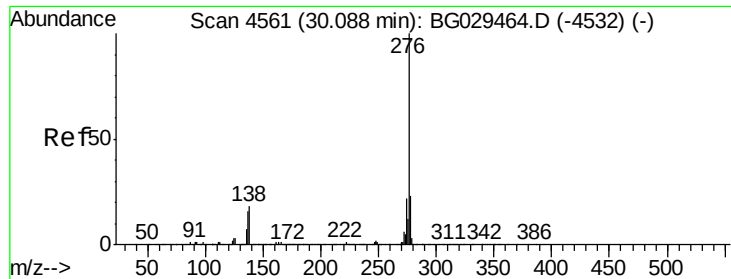
138 17.8 13.4 20.0

277 24.1 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





#91

Benzo(a,h,i)perylene

Concen: 2.95 ng/ul

RT: 30.11 min Scan# 4564

Delta R.T. 0.02 min

Lab File: BG029484.D

Acq: 26 Oct 2017 19:06

Instrument :

BNA_G

ClientSampleId :

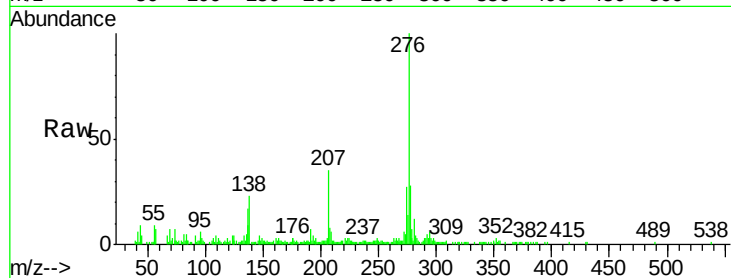
Tot Ion: 276 Resp: 119006

Ion Ratio Lower Upper

276 100

138 23.4 12.1 18.1#

277 28.1 17.7 26.5#



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

