

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081517\
 Data File : BG028359.D
 Acq On : 16 Aug 2017 1:18
 Operator : SJ/JU
 Sample : I4672-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AG6

Quant Time: Aug 16 04:09:03 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 16 04:06:35 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	50592	20.00	ng/ul	0.00
18) Naphthalene-d8	11.18	136	236631	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.96	164	170686	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.71	188	382850	20.00	ng/ul	0.00
75) Chrysene-d12	22.05	240	428795	20.00	ng/ul	0.00
83) Perylene-d12	25.56	264	412804	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.85	96	3597	3.31	ng/uL	0.00
5) Phenol-d5	7.51	99	94335	16.98	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.67	67	58553	16.64	ng/ul	0.00
9) 2-Chlorophenol-d4	7.89	132	68359	19.50	ng/ul	0.00
13) 4-Methylphenol-d8	9.06	113	73996	15.93	ng/ul	0.00
19) Nitrobenzene-d5	9.53	128	36735	19.85	ng/ul	0.00
22) 2-Nitrophenol-d4	10.25	143	44445	21.91	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.80	165	85453	20.36	ng/ul	0.00
29) 4-Chloroaniline-d4	11.31	131	80678	17.27	ng/ul	0.00
43) Dimethylphthalate-d6	14.35	166	297235	19.58	ng/ul	0.00
46) Acenaphthylene-d8	14.66	160	346784	20.26	ng/ul	0.00
51) 4-Nitrophenol-d4	15.17	143	34041	14.10	ng/ul	0.00
57) Fluorene-d10	15.96	176	255549	18.76	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.07	200	45396	18.25	ng/ul	0.00
70) Anthracene-d10	17.81	188	393158	21.42	ng/ul	0.00
76) Pyrene-d10	20.09	212	466856	21.23	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.33	264	423132	21.90	ng/ul	0.00

Target Compounds

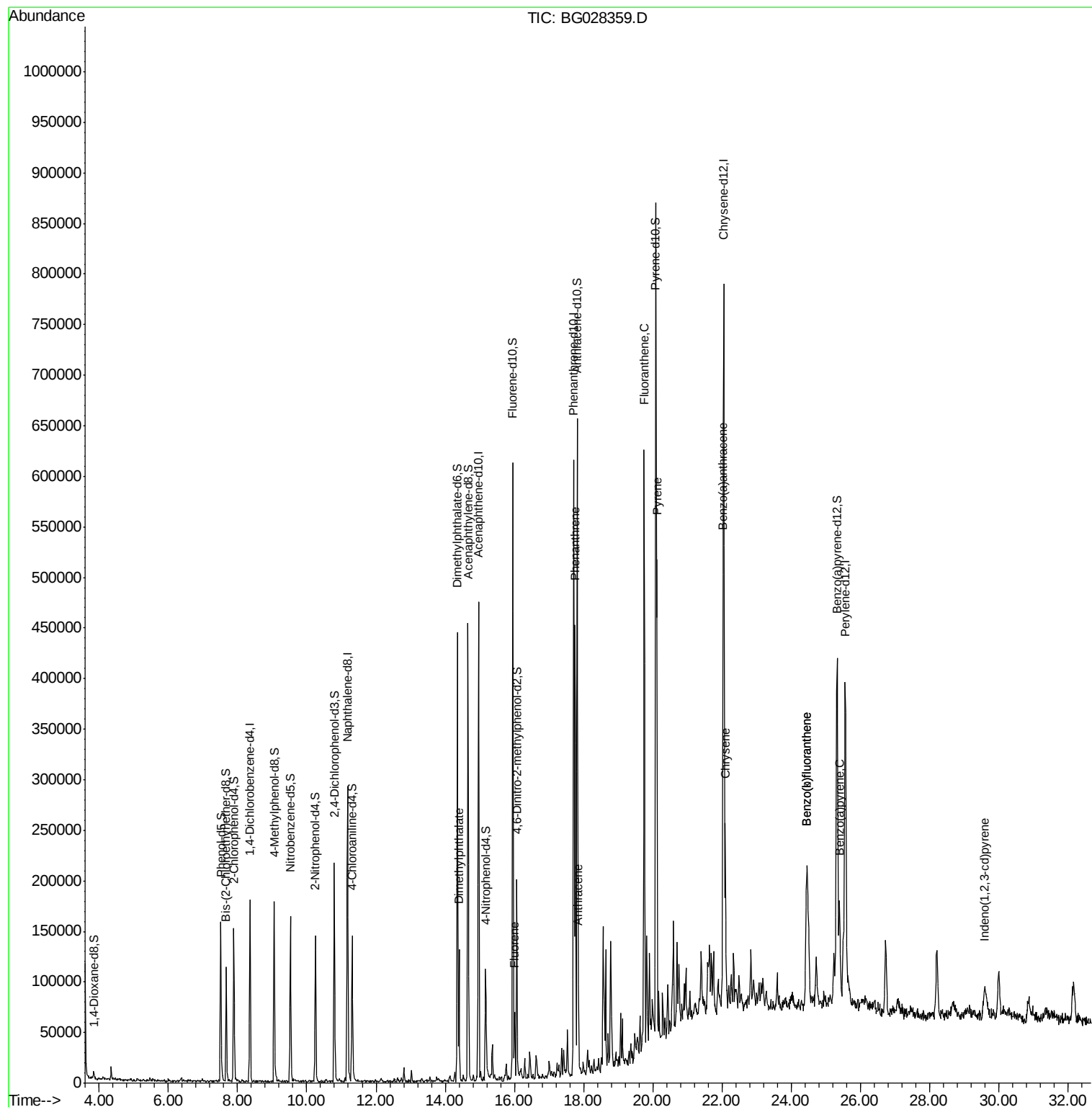
					Ovalue	
44) Dimethylphthalate	14.40	163	82403	5.895	ng/ul	99
58) Fluorene	16.01	166	29375	2.062	ng/ul	94
69) Phenanthrene	17.76	178	287208	14.907	ng/ul	99
71) Anthracene	17.85	178	64325	3.267	ng/ul	98
74) Fluoranthene	19.76	202	394010	16.827	ng/ul	99
77) Pyrene	20.11	202	298692	11.676	ng/ul	99
80) Benzo(a)anthracene	22.02	228	178601	7.209	ng/ul	99
82) Chrysene	22.10	228	138704	6.216	ng/ul	96
85) Benzo(b)fluoranthene	24.45	252	185419	7.506	ng/ul#	98
86) Benzo(k)fluoranthene	24.45	252	185419	7.684	ng/ul#	98
88) Benzo(a)pyrene	25.40	252	115841	4.843	ng/ul	97
89) Indeno(1,2,3-cd)pyrene	29.59	276	61754	2.205	ng/ul#	89

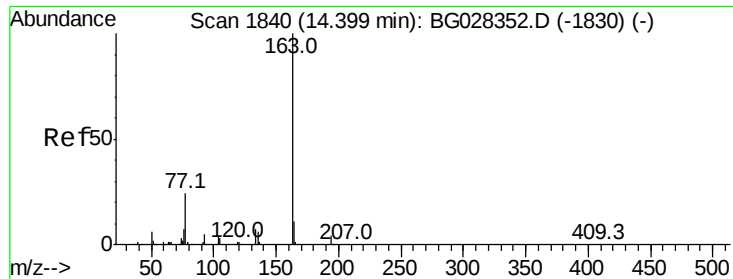
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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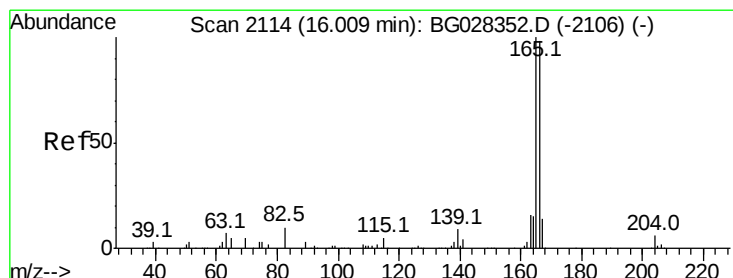
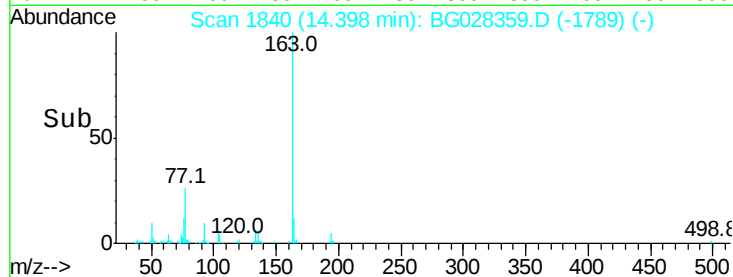
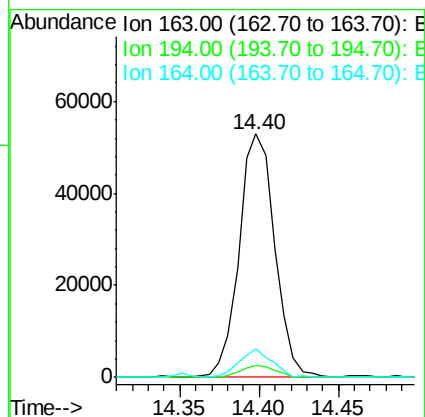
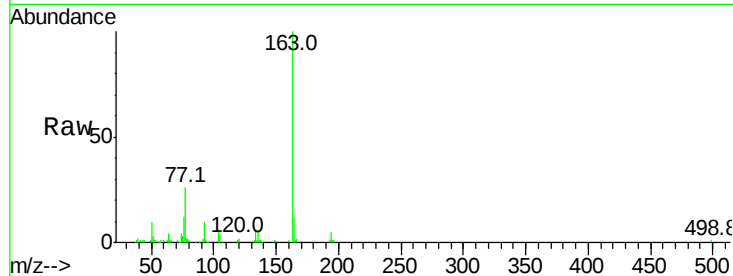




#44
Dimethylphthalate
Concen: 5.895 ng/ul
RT: 14.40 min Scan# 1840
Delta R.T. -0.00 min
Lab File: BG028359.D
Acq: 16 Aug 2017 1:18

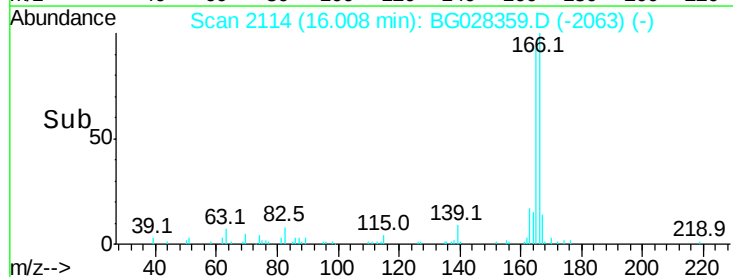
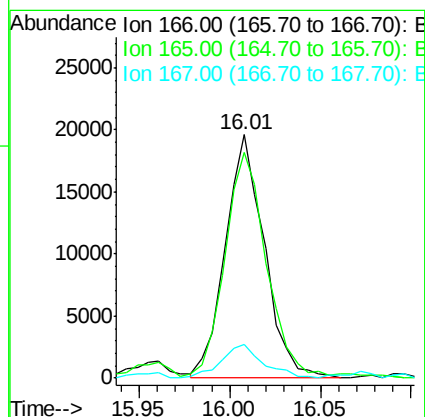
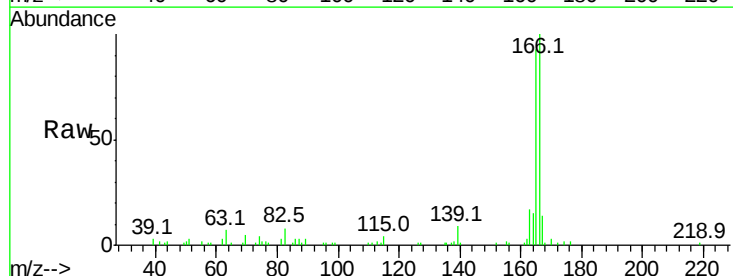
Instrument :
BNA_G
ClientSampleId :
C0AG6

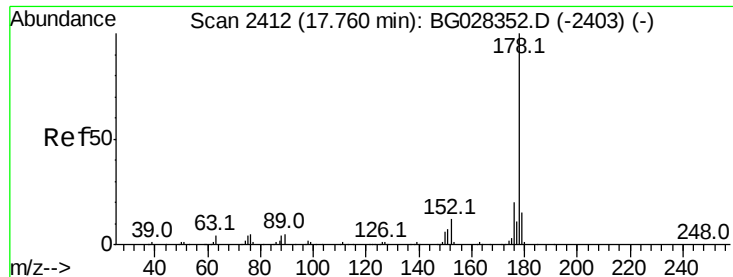
Tot Ion:163 Resp: 82403
Ion Ratio Lower Upper
163 100
194 4.7 3.4 5.0
164 11.5 9.0 13.4



#58
Fluorene
Concen: 2.062 ng/ul
RT: 16.01 min Scan# 2114
Delta R.T. -0.00 min
Lab File: BG028359.D
Acq: 16 Aug 2017 1:18

Tgt Ion:166 Resp: 29375
Ion Ratio Lower Upper
166 100
165 92.9 79.7 119.5
167 13.9 11.4 17.2





#69

Phenanthrene

Concen: 14.907 ng/ul

RT: 17.76 min Scan# 2412

Delta R.T. -0.00 min

Lab File: BG028359.D

Acq: 16 Aug 2017 1:18

Instrument :

BNA_G

ClientSampled :

C0AG6

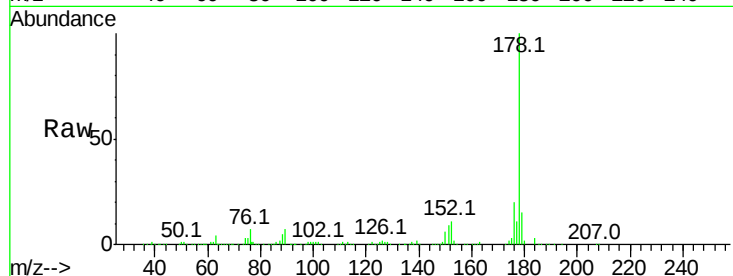
Tot Ion:178 Resp: 287208

Ion Ratio Lower Upper

178 100

179 15.5 12.4 18.6

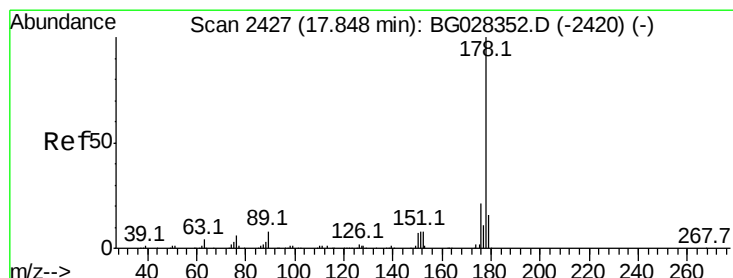
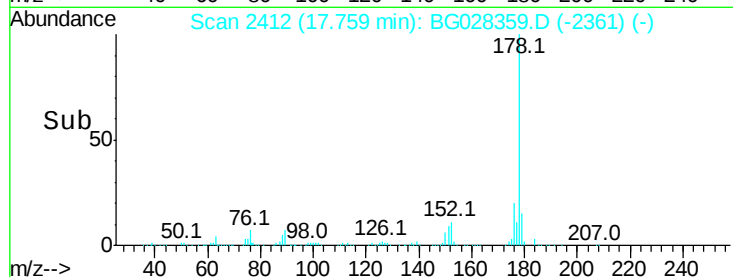
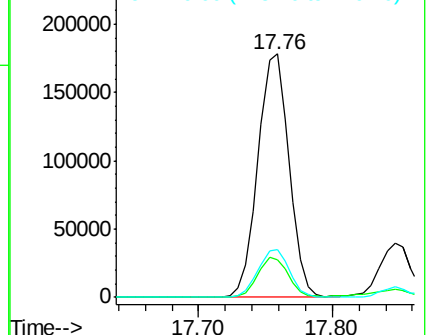
176 19.7 16.5 24.7



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: 3.267 ng/ul

RT: 17.85 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BG028359.D

Acq: 16 Aug 2017 1:18

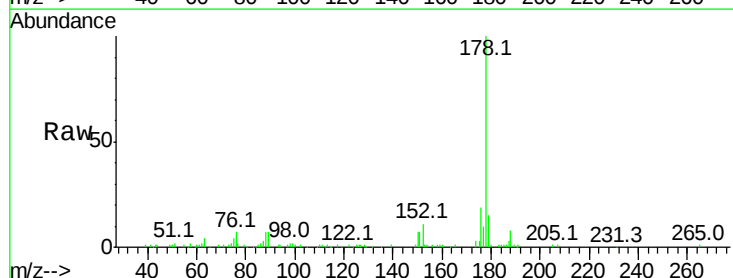
Tgt Ion:178 Resp: 64325

Ion Ratio Lower Upper

178 100

179 15.0 12.6 19.0

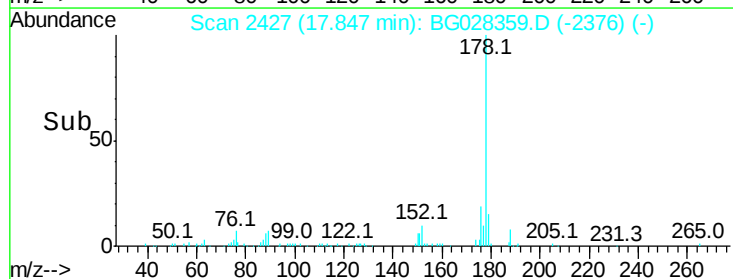
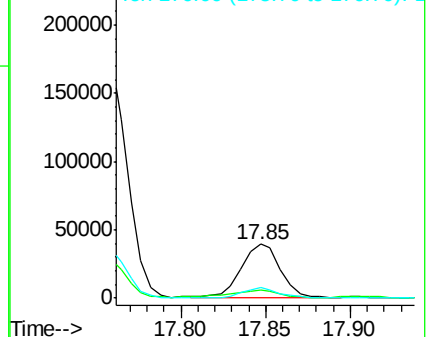
176 19.0 15.9 23.9

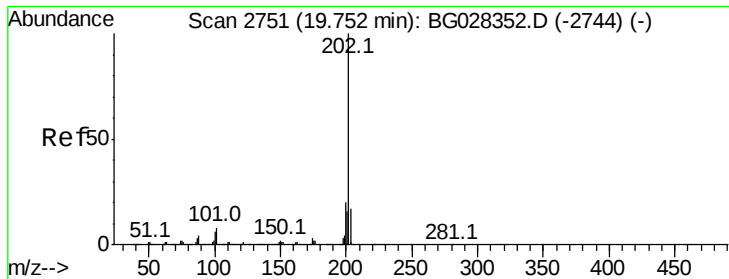


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

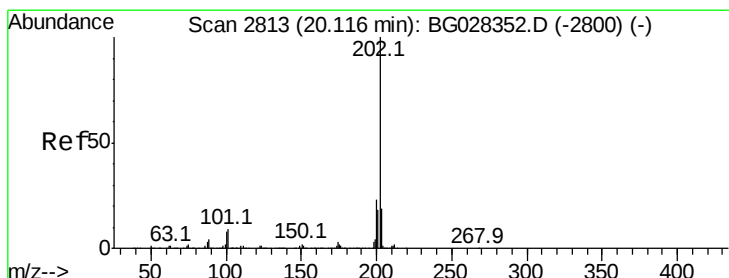
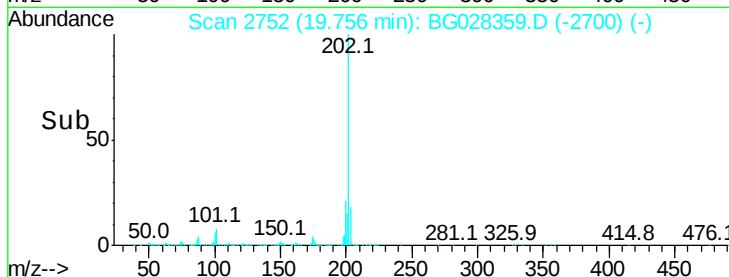
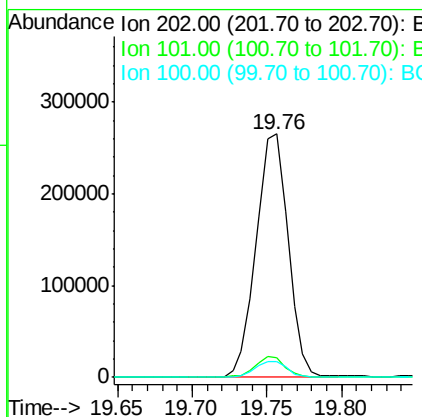
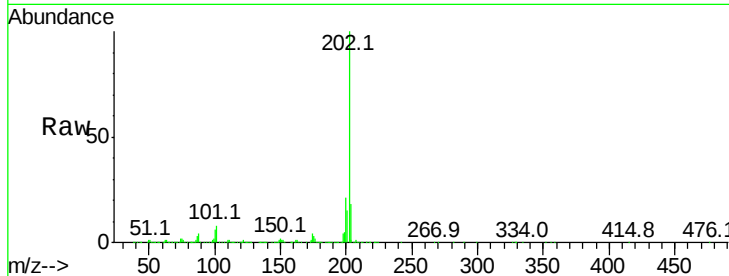




#74
 Fluoranthene
 Concen: 16.827 ng/ul
 RT: 19.76 min Scan# 2752
 Delta R.T. 0.00 min
 Lab File: BG028359.D
 Acq: 16 Aug 2017 1:18

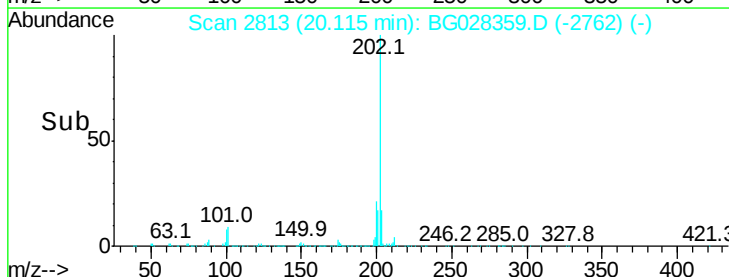
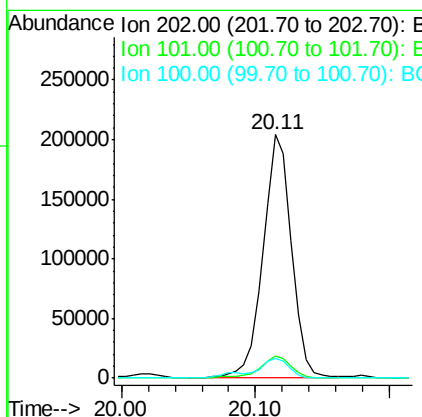
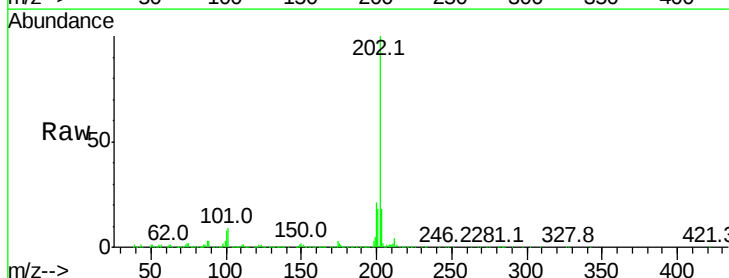
Instrument :
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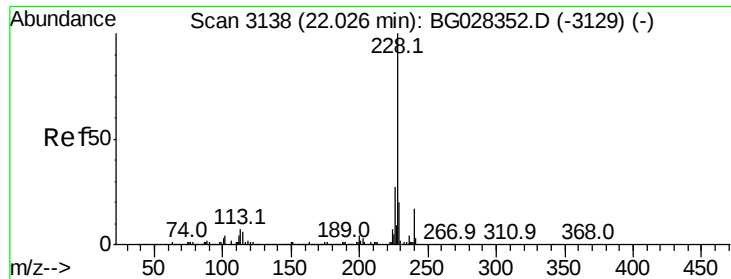
Tot Ion:	202	Resp:	394010
Ion	Ratio	Lower	Upper
202	100		
101	8.0	6.2	9.2
100	6.3	5.2	7.8



#77
 Pyrene
 Concen: 11.676 ng/ul
 RT: 20.11 min Scan# 2813
 Delta R.T. -0.00 min
 Lab File: BG028359.D
 Acq: 16 Aug 2017 1:18

Tgt Ion:	202	Resp:	298692
Ion	Ratio	Lower	Upper
202	100		
101	9.2	6.9	10.3
100	8.2	6.6	10.0





#80

Benzo(a)anthracene

Concen: 7.209 ng/ul

RT: 22.02 min Scan# 3138

Delta R.T. -0.00 min

Lab File: BG028359.D

Acq: 16 Aug 2017 1:18

Instrument :

BNA_G

ClientSampleId :

C0AG6

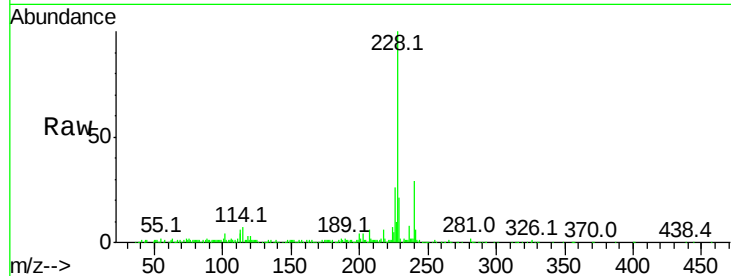
Tot Ion:228 Resp: 178601

Ion Ratio Lower Upper

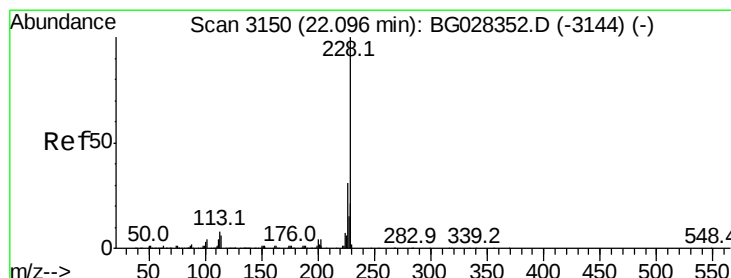
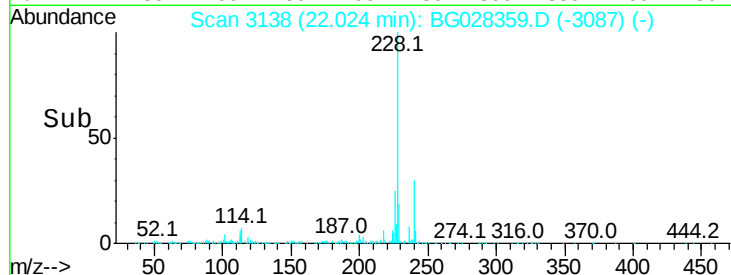
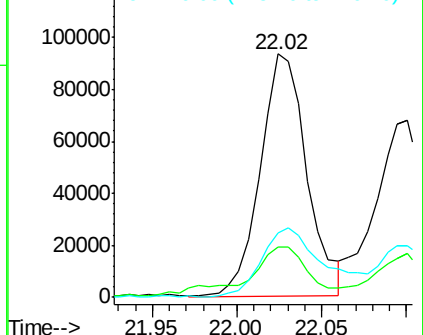
228 100

229 20.5 16.3 24.5

226 26.4 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: 6.216 ng/ul

RT: 22.10 min Scan# 3151

Delta R.T. 0.00 min

Lab File: BG028359.D

Acq: 16 Aug 2017 1:18

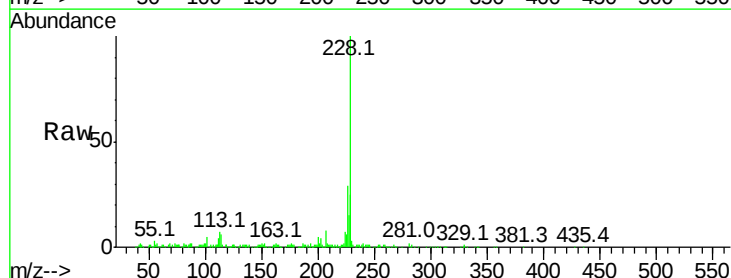
Tgt Ion:228 Resp: 138704

Ion Ratio Lower Upper

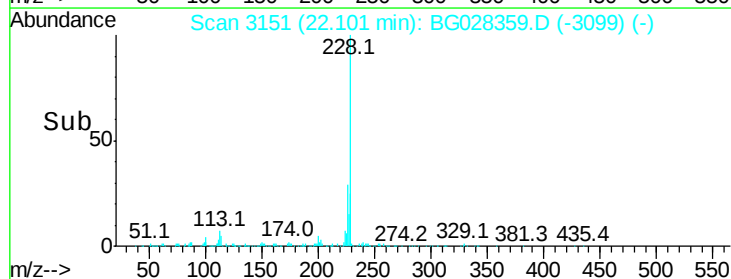
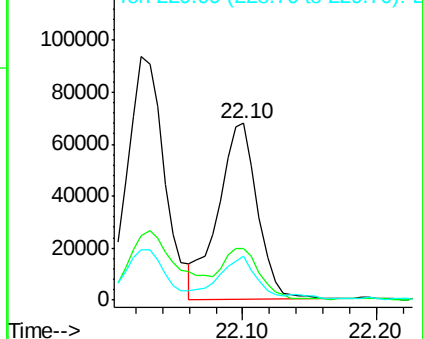
228 100

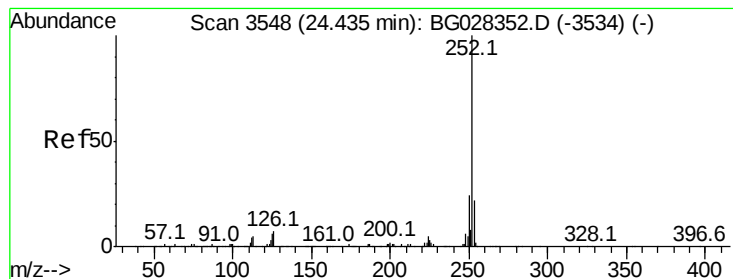
226 29.5 24.0 36.0

229 25.2 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: 7.506 ng/ul

RT: 24.45 min Scan# 3551

Delta R.T. 0.02 min

Lab File: BG028359.D

Acq: 16 Aug 2017 1:18

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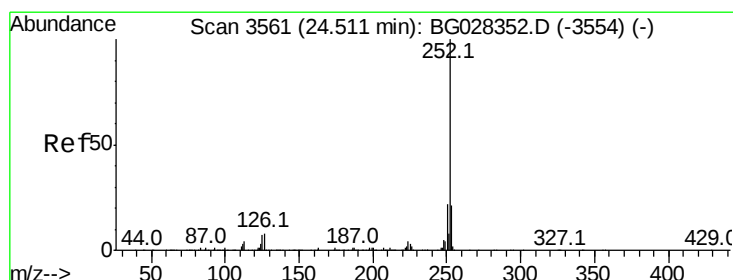
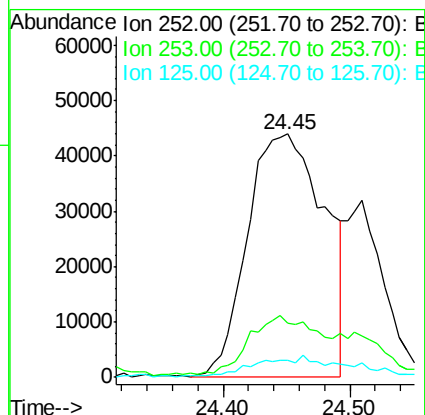
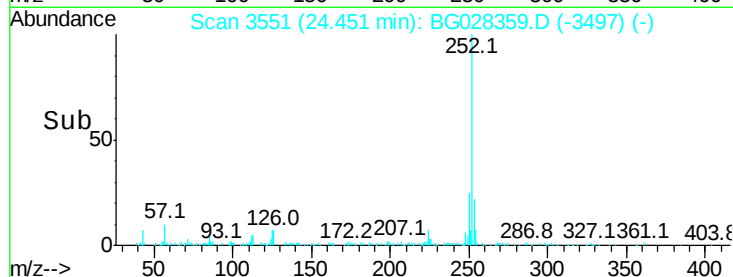
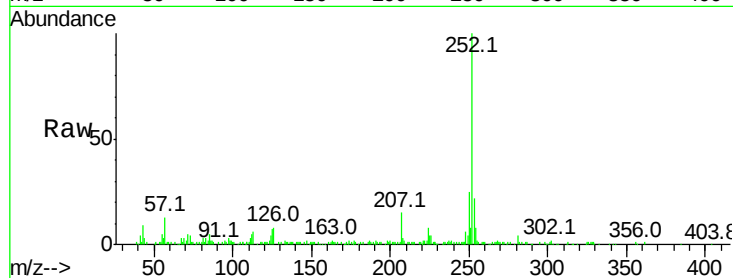
Tot Ion:252 Resp: 185419

Ion Ratio Lower Upper

252 100

253 22.4 17.7 26.5

125 7.2 4.0 6.0#



#86

Benzo(k)fluoranthene

Concen: 7.684 ng/ul

RT: 24.45 min Scan# 3551

Delta R.T. -0.06 min

Lab File: BG028359.D

Acq: 16 Aug 2017 1:18

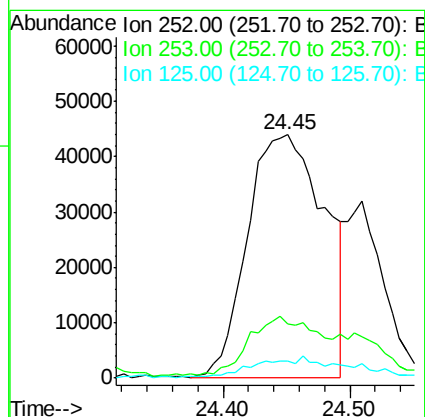
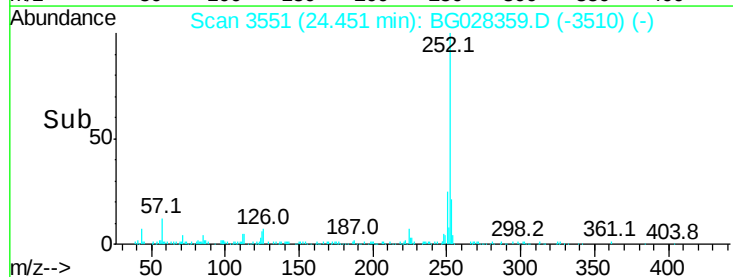
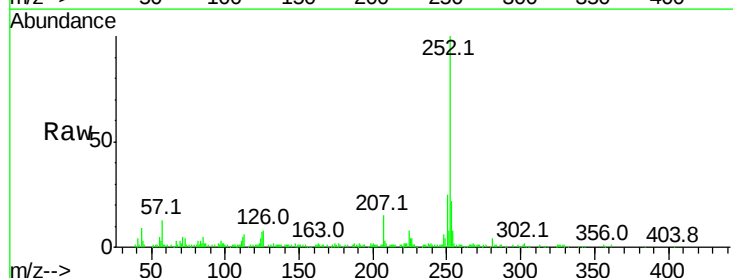
Tgt Ion:252 Resp: 185419

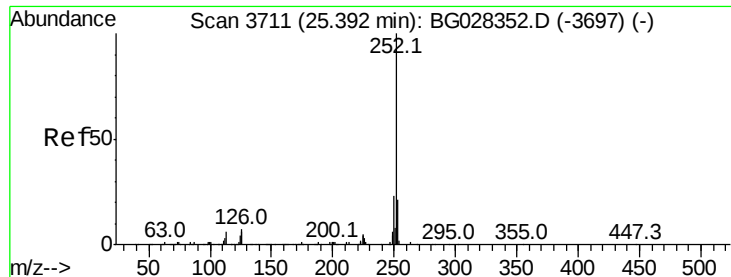
Ion Ratio Lower Upper

252 100

253 22.4 18.5 27.7

125 7.2 4.1 6.1#





#88

Benzo(a)pyrene

Concen: 4.843 ng/ul

RT: 25.40 min Scan# 3712

Delta R.T. 0.00 min

Lab File: BG028359.D

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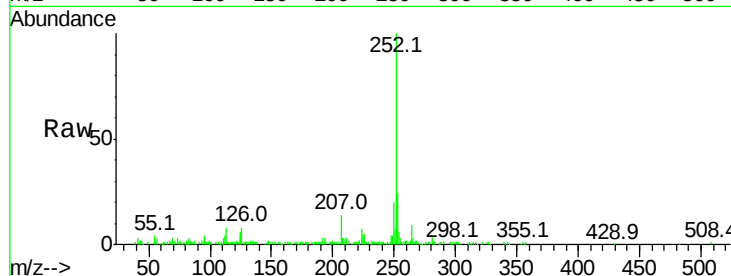
Tot Ion:252 Resp: 115841

Ion Ratio Lower Upper

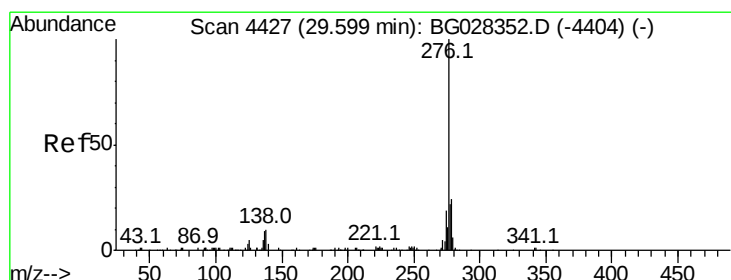
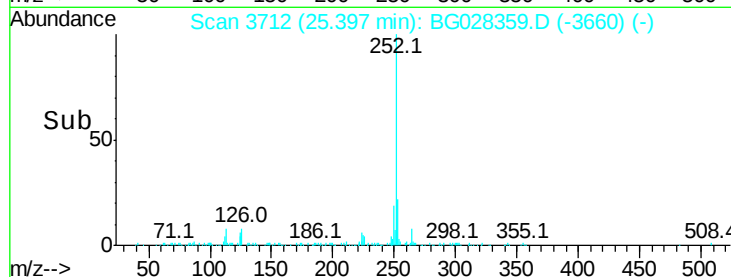
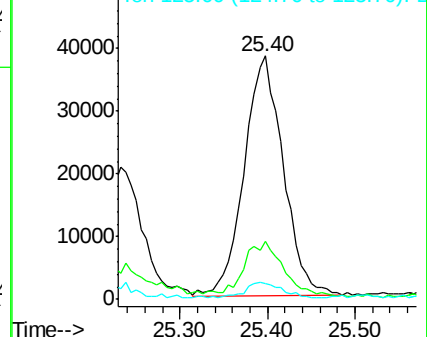
252 100

253 23.7 17.8 26.6

125 6.4 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: 2.205 ng/ul

RT: 29.59 min Scan# 4426

Delta R.T. -0.01 min

Lab File: BG028359.D

Acq: 16 Aug 2017 1:18

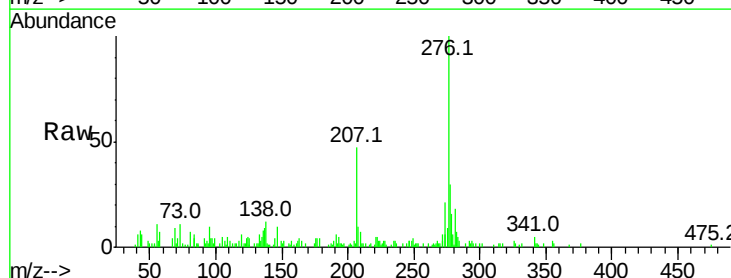
Tgt Ion:276 Resp: 61754

Ion Ratio Lower Upper

276 100

138 12.2 8.2 12.4

277 30.2 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

