

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
 Data File : BG020230.D
 Acq On : 16 Dec 2015 20:54
 Operator : UM/SJ
 Sample : G4787-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G9BM3

Quant Time: Dec 17 03:58:23 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 17 03:53:00 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	15759	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	79407	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	67739	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	176763	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	201179	20.00	ng/ul	-0.01
86) Perylene-d12	25.00	264	189740	20.00	ng/ul	-0.01

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.47	96	1217	4.26	ng/uL	0.00
5) Phenol-d5	7.24	99	31854	22.92	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.42	67	20390	24.59	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	24300	24.04	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	14979	12.60	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	13548	21.89	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	15893	23.07	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	29157	20.90	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	30078	19.19	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	113901	20.79	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	120703	18.93	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	14962	15.23	ng/ul	-0.01
58) Fluorene-d10	15.71	176	89305	17.97	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.82	200	14675	14.00	ng/ul	0.00
71) Anthracene-d10	17.56	188	141955	17.43	ng/ul	0.00
79) Pyrene-d10	19.84	212	144680	15.43	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.77	264	130830	13.82	ng/ul	-0.01

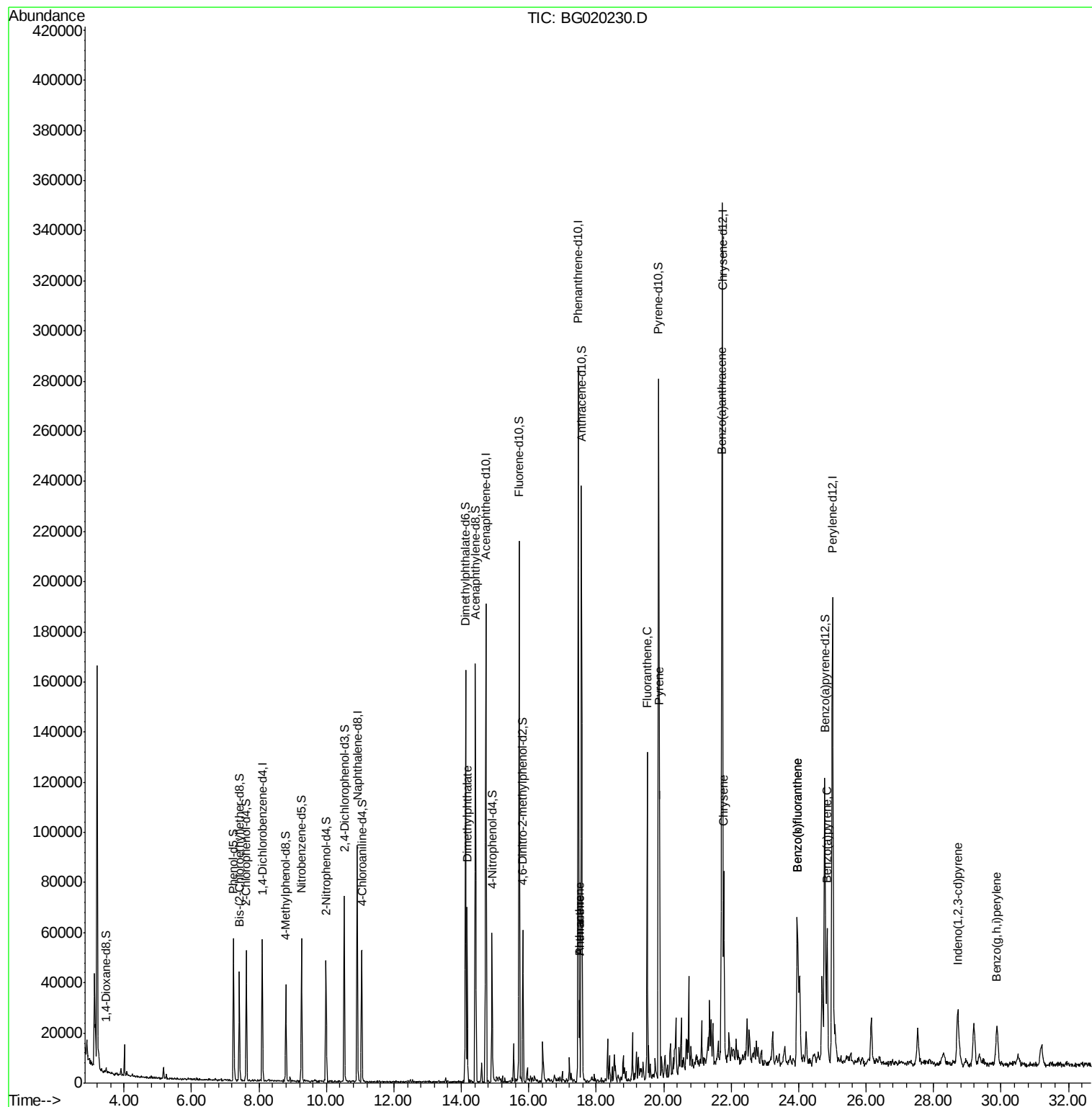
Target Compounds						Qvalue
45) Dimethylphthalate	14.17	163	47818	8.54	ng/ul	99
70) Phenanthrene	17.51	178	20819	2.15	ng/ul	99
72) Anthracene	17.51	178	20819	2.12	ng/ul	98
77) Fluoranthene	19.51	202	84737	7.50	ng/ul	97
80) Pyrene	19.87	202	84523	6.94	ng/ul	98
83) Benzo(a)anthracene	21.72	228	65076	5.54	ng/ul	98
85) Chrysene	21.78	228	59197	5.35	ng/ul	96
88) Benzo(b)fluoranthene	23.97	252	76717	6.72	ng/ul	97
89) Benzo(k)fluoranthene	23.97	252	76717	7.00	ng/ul	100
91) Benzo(a)pyrene	24.84	252	58325	5.39	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	28.72	276	40016	3.10	ng/ul	95
94) Benzo(g,h,i)perylene	29.87	276	34552	3.27	ng/ul	95

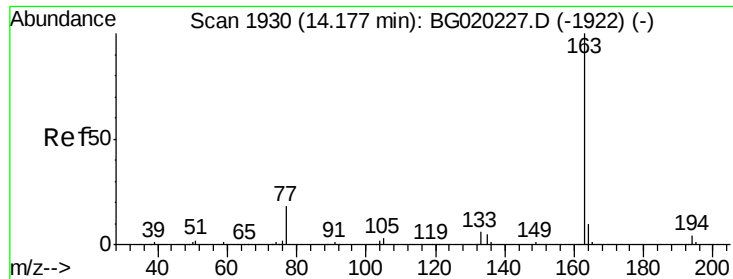
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 17 03:58:23 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 17 03:53:00 2015
Response via : Initial Calibration





#45

Dimethylphthalate

Concen: 8.54 ng/ul

RT: 14.17 min Scan# 1929

Delta R.T. -0.00 min

Lab File: BG020230.D

Acq: 16 Dec 2015 20:54

Instrument :

BNA_G

ClientSampleId :

G9BM3

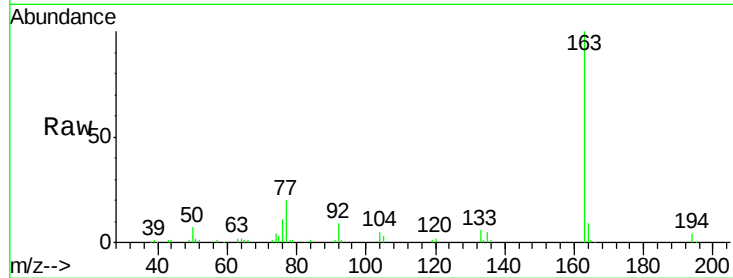
Tgt Ion:163 Resp: 47818

Ion Ratio Lower Upper

163 100

194 3.6 3.5 5.3

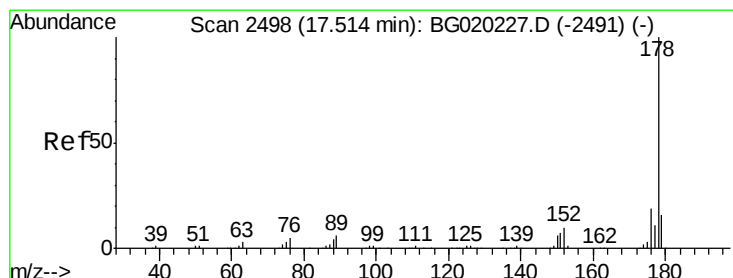
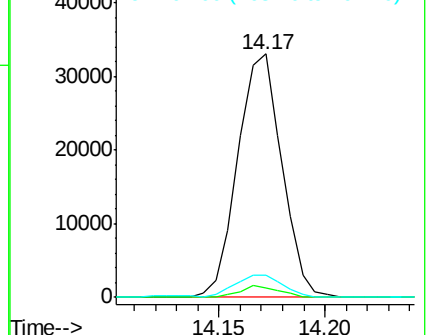
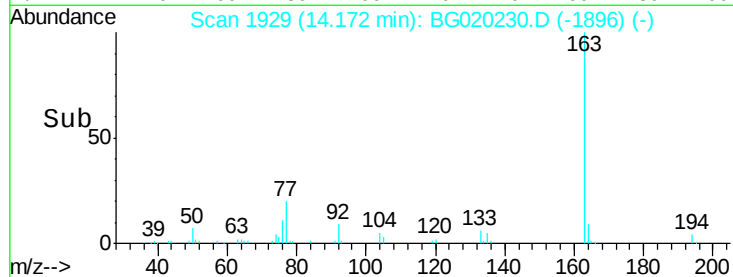
164 9.3 7.7 11.5



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



#70

Phenanthrene

Concen: 2.15 ng/ul

RT: 17.51 min Scan# 2497

Delta R.T. -0.00 min

Lab File: BG020230.D

Acq: 16 Dec 2015 20:54

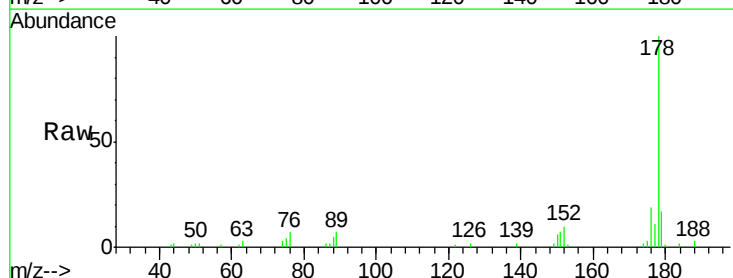
Tgt Ion:178 Resp: 20819

Ion Ratio Lower Upper

178 100

179 16.5 12.9 19.3

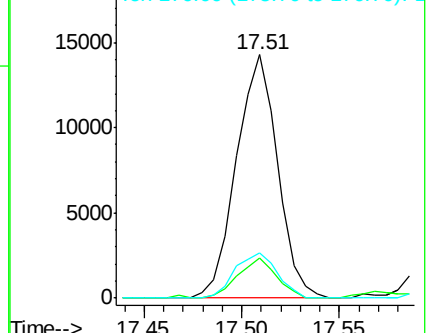
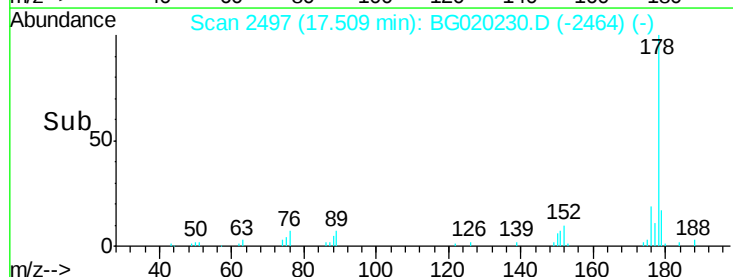
176 18.6 15.3 22.9

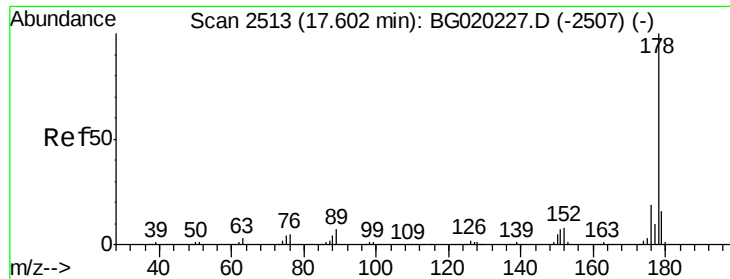


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 2.12 ng/ul

RT: 17.51 min Scan# 2497

Delta R.T. -0.09 min

Lab File: BG020230.D

Acq: 16 Dec 2015 20:54

Instrument :

BNA_G

ClientSampleId :

G9BM3

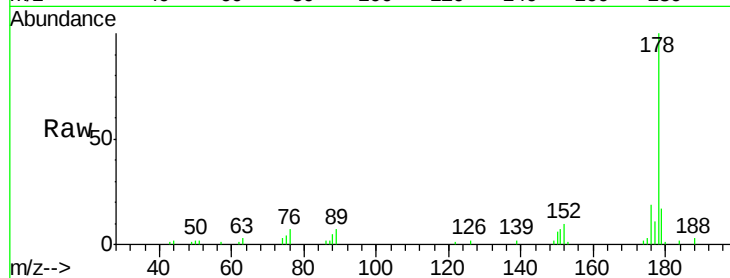
Tgt Ion:178 Resp: 20819

Ion Ratio Lower Upper

178 100

179 16.5 12.3 18.5

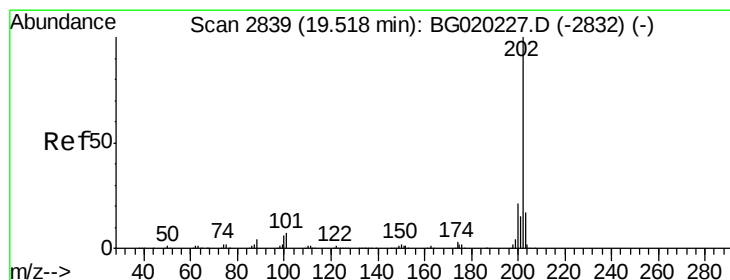
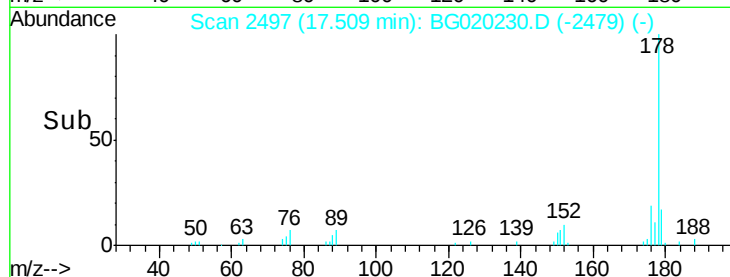
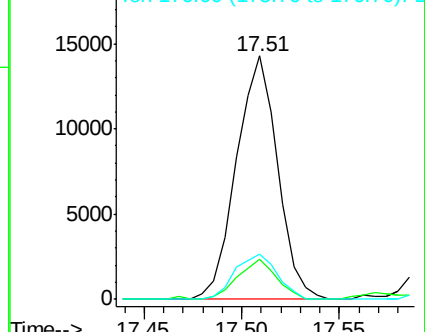
176 18.6 14.3 21.5



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



#77

Fluoranthene

Concen: 7.50 ng/ul

RT: 19.51 min Scan# 2838

Delta R.T. -0.00 min

Lab File: BG020230.D

Acq: 16 Dec 2015 20:54

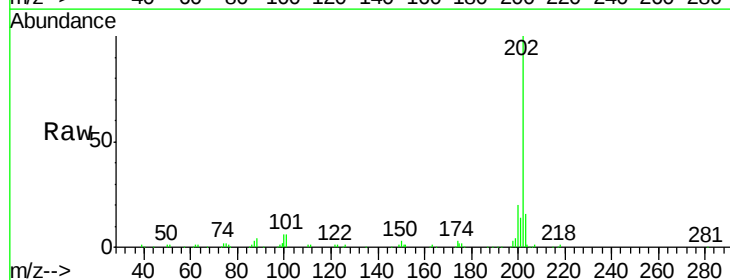
Tgt Ion:202 Resp: 84737

Ion Ratio Lower Upper

202 100

101 6.3 6.2 9.4

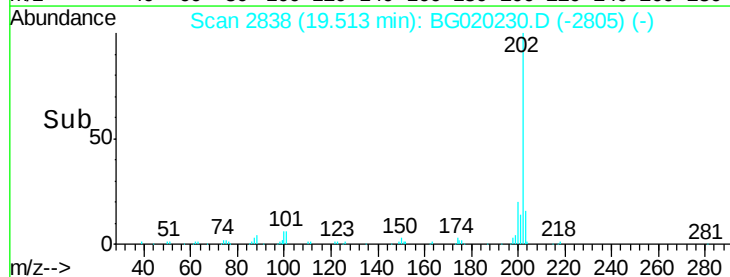
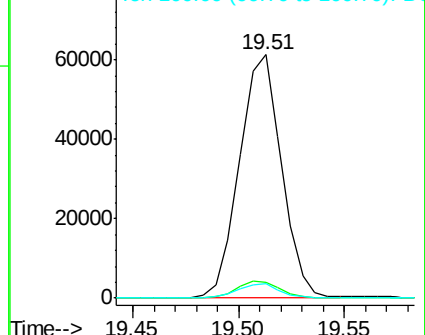
100 5.7 5.1 7.7

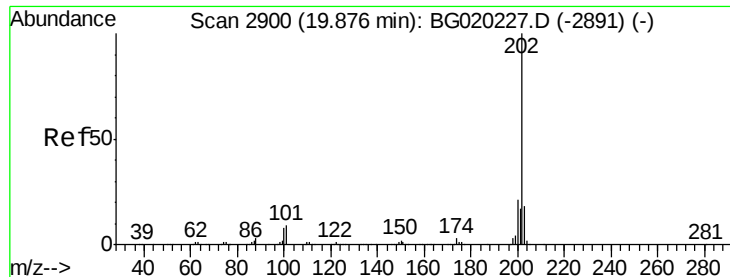


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

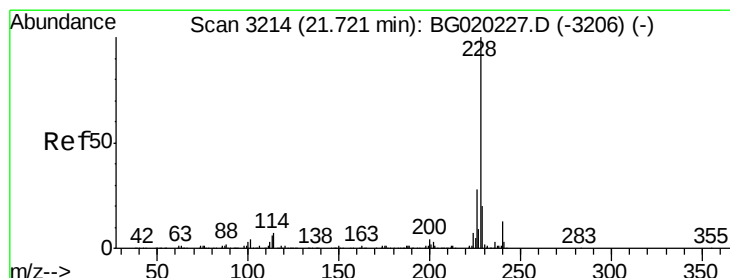
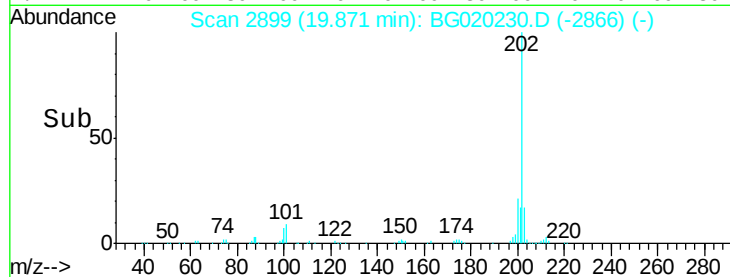
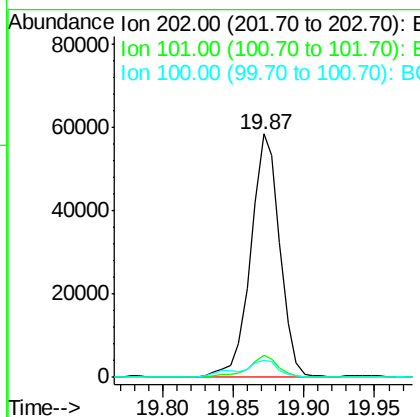
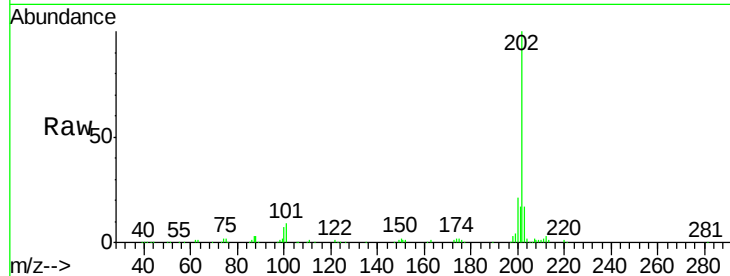




#80
Pyrene
Concen: 6.94 ng/ul
RT: 19.87 min Scan# 2899
Delta R.T. -0.00 min
Lab File: BG020230.D
Acq: 16 Dec 2015 20:54

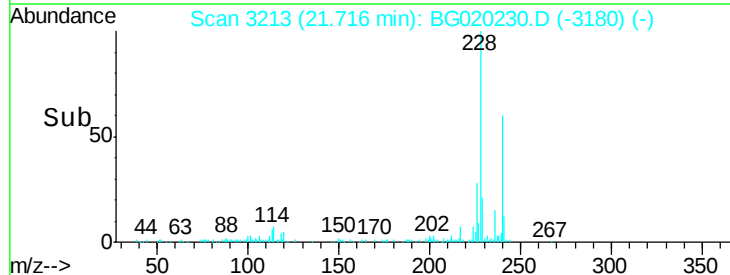
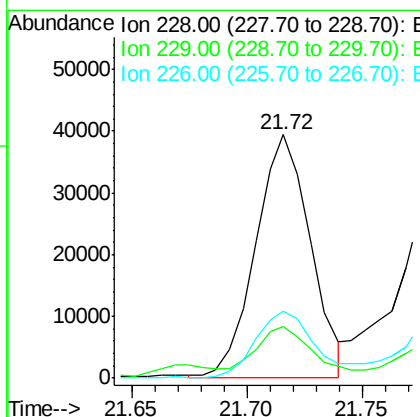
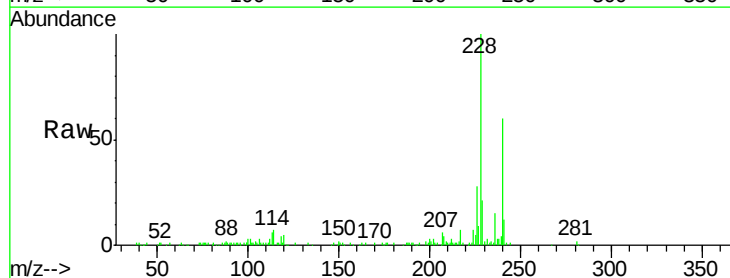
Instrument :
BNA_G
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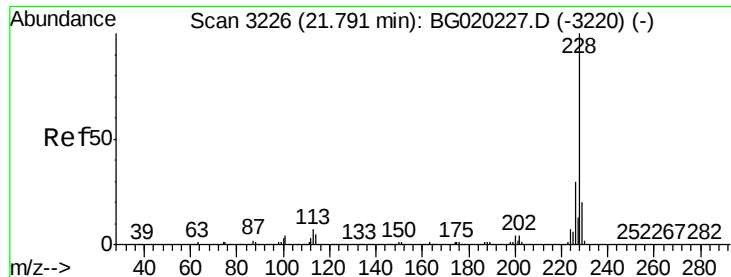
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.0	10.4
100	7.2	6.4	9.6



#83
Benzo(a)anthracene
Concen: 5.54 ng/ul
RT: 21.72 min Scan# 3213
Delta R.T. -0.00 min
Lab File: BG020230.D
Acq: 16 Dec 2015 20:54

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.4	15.8	23.8
226	27.7	21.8	32.6





#85

Chrysene

Concen: 5.35 ng/ul

RT: 21.78 min Scan# 3224

Delta R.T. -0.01 min

Lab File: BG020230.D

Acq: 16 Dec 2015 20:54

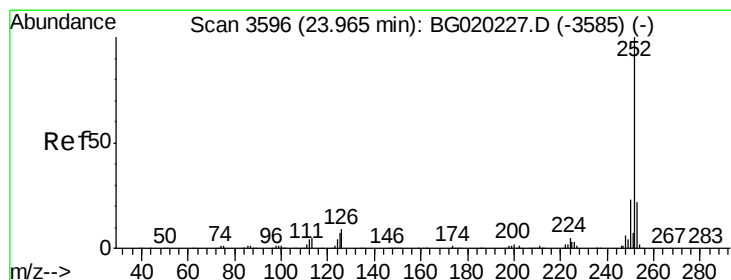
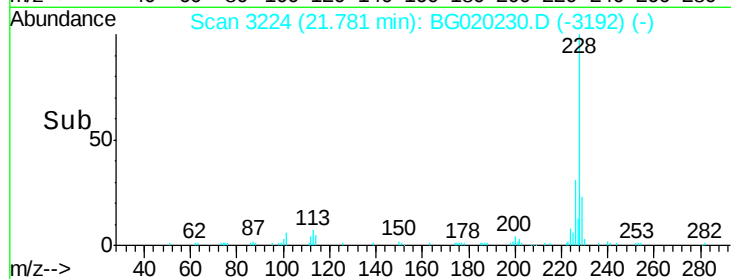
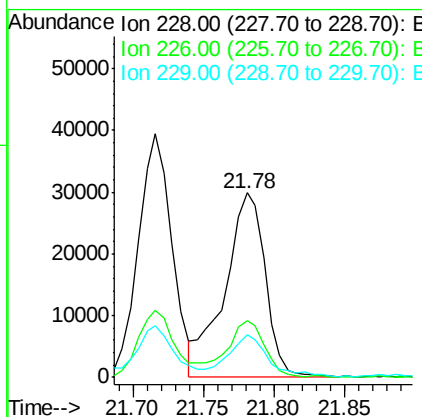
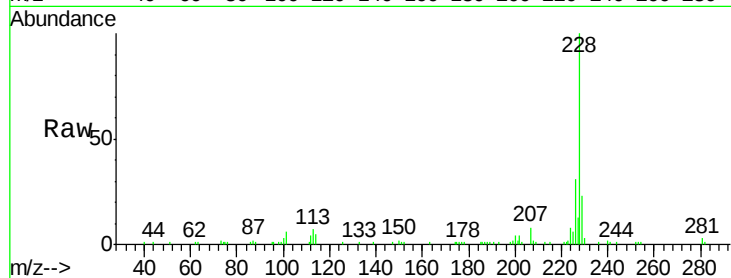
Instrument :

BNA_G

ClientSampleId :

G9BM3

Tgt Ion:	228	Resp:	59197
Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.9	35.9
229	23.3	15.6	23.4



#88

Benzo(b)fluoranthene

Concen: 6.72 ng/ul

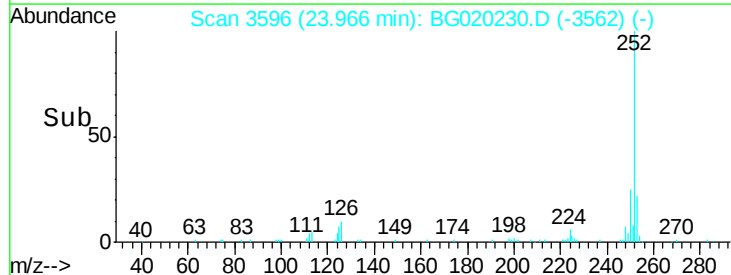
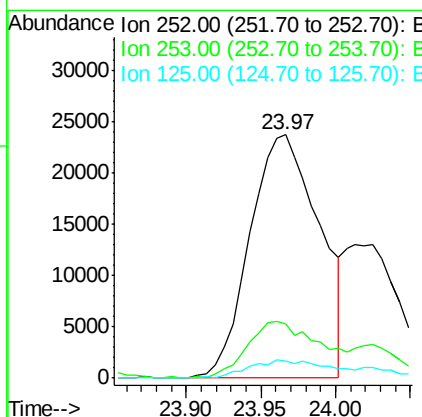
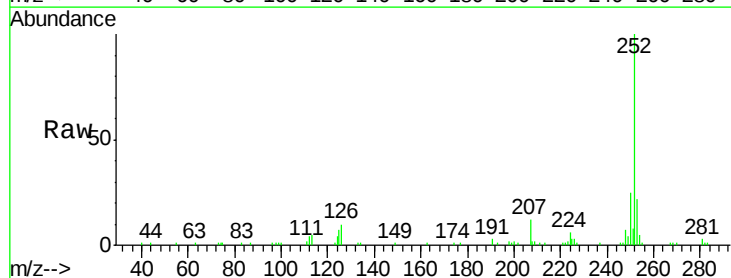
RT: 23.97 min Scan# 3596

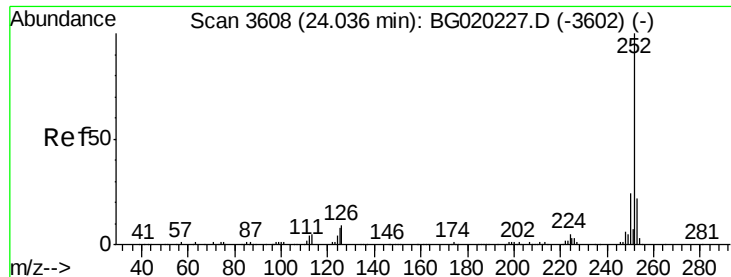
Delta R.T. 0.00 min

Lab File: BG020230.D

Acq: 16 Dec 2015 20:54

Tgt Ion:	252	Resp:	76717
Ion	Ratio	Lower	Upper
252	100		
253	22.3	16.7	25.1
125	7.2	6.2	9.2





#89

Benzo(k)fluoranthene

Concen: 7.00 ng/ul

RT: 23.97 min Scan# 3596

Delta R.T. -0.07 min

Lab File: BG020230.D

Acq: 16 Dec 2015 20:54

Instrument :

BNA_G

ClientSampleId :

G9BM3

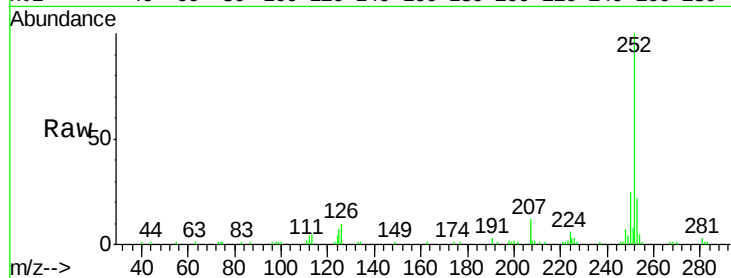
Tgt Ion:252 Resp: 76717

Ion Ratio Lower Upper

252 100

253 22.3 17.9 26.9

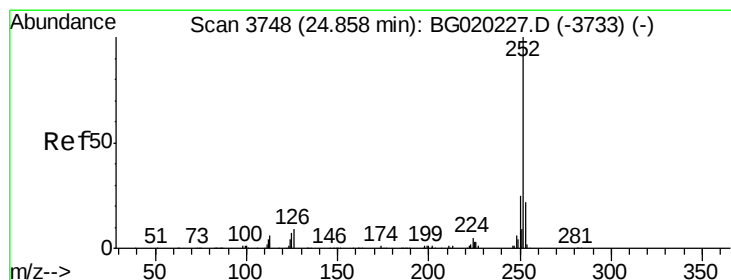
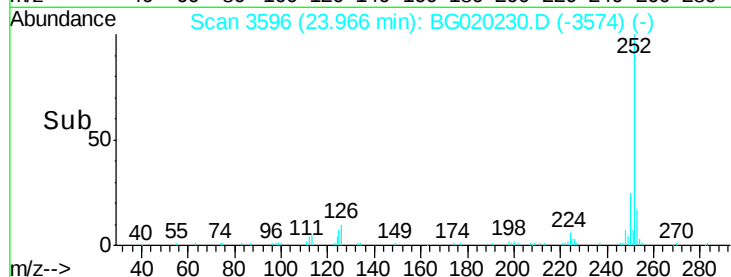
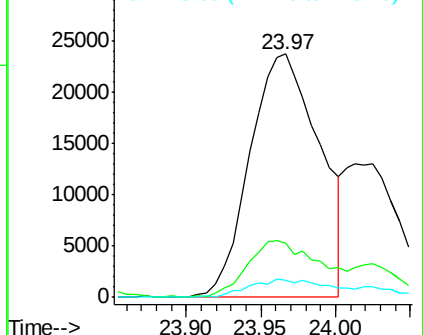
125 7.2 5.8 8.6



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



#91

Benzo(a)pyrene

Concen: 5.39 ng/ul

RT: 24.84 min Scan# 3745

Delta R.T. -0.02 min

Lab File: BG020230.D

Acq: 16 Dec 2015 20:54

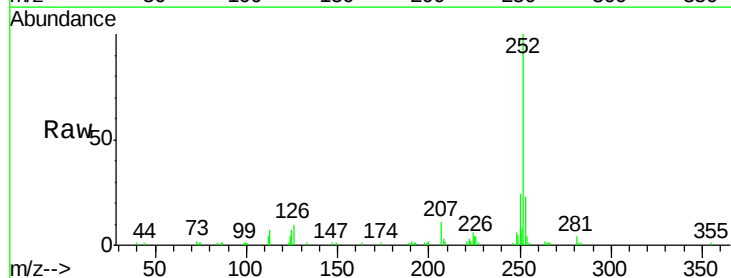
Tgt Ion:252 Resp: 58325

Ion Ratio Lower Upper

252 100

253 23.5 17.0 25.4

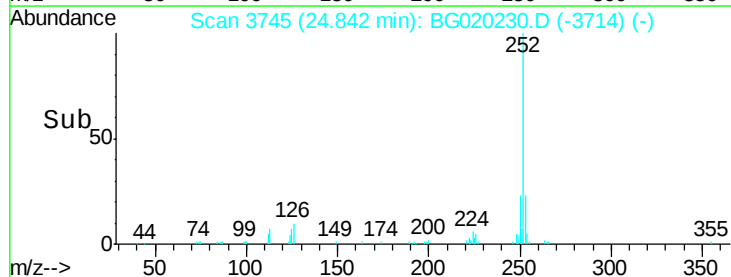
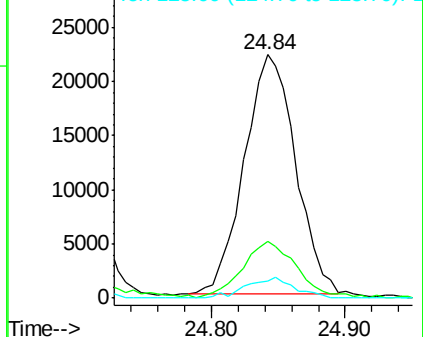
125 7.2 6.2 9.4

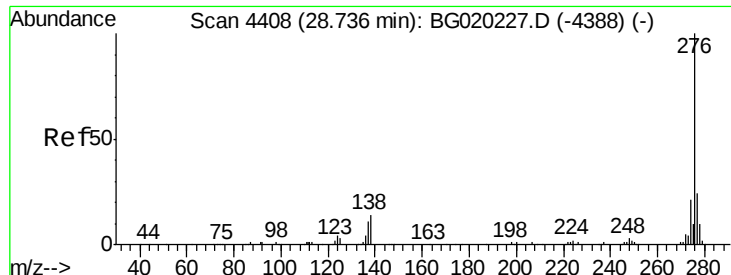


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Indeno(1,2,3-cd)pyrene

Concen: 3.10 ng/ul

RT: 28.72 min Scan# 4405

Delta R.T. -0.02 min

Lab File: BG020230.D

Acq: 16 Dec 2015 20:54

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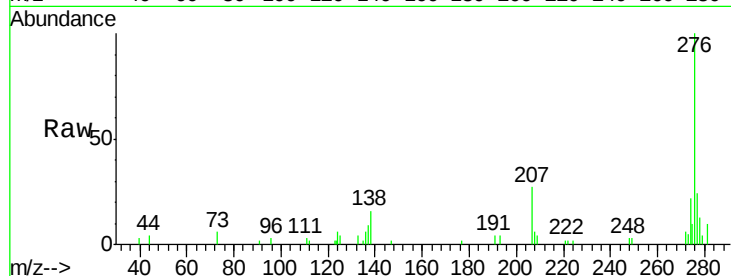
Tgt Ion:276 Resp: 40016

Ion Ratio Lower Upper

276 100

138 16.2 11.4 17.0

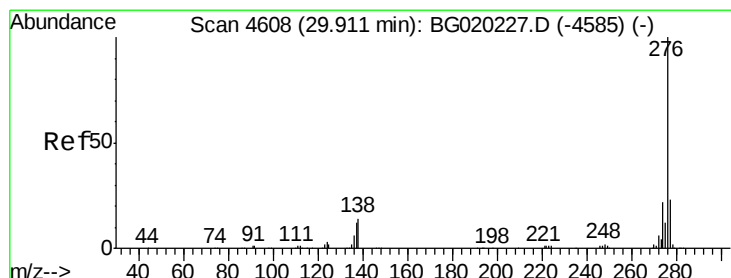
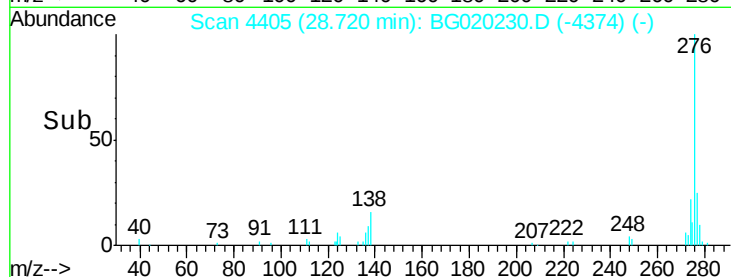
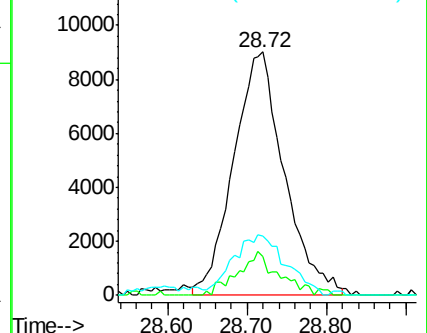
277 24.5 17.4 26.0



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



#94

Benzo(g,h,i)perylene

Concen: 3.27 ng/ul

RT: 29.87 min Scan# 4601

Delta R.T. -0.04 min

Lab File: BG020230.D

Acq: 16 Dec 2015 20:54

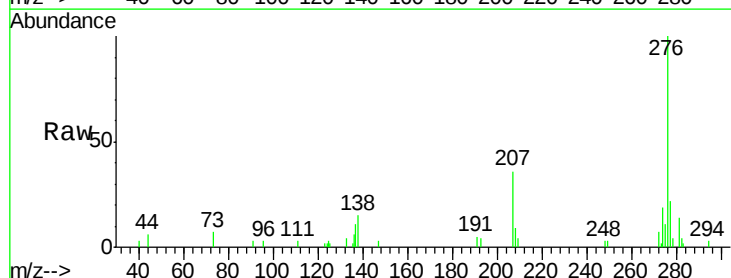
Tgt Ion:276 Resp: 34552

Ion Ratio Lower Upper

276 100

138 15.4 10.8 16.2

277 22.1 19.9 29.9



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

