

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052516\
 Data File : BG022069.D
 Acq On : 25 May 2016 22:04
 Operator : UM/SJ
 Sample : H3203-22
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XJ6

Quant Time: May 26 03:13:03 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG051816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 26 03:11:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	45045	20.00	ng/ul	0.00
7) Naphthalene-d8	10.98	136	237609	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.78	164	134168	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.53	188	252759	20.00	ng/ul	0.00
29) Chrysene-d12	21.81	240	219761	20.00	ng/ul	0.00
34) Perylene-d12	25.15	264	213459	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.53	96	589	0.60	ng/uL	0.00
3) Phenol-d5	7.32	99	70267	17.67	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.47	67	40650	19.19	ng/ul	0.00
5) 2-Chlorophenol-d4	7.69	132	63873	19.56	ng/ul	0.00
6) 4-Methylphenol-d8	8.87	113	55834	15.76	ng/ul	0.00
8) Nitrobenzene-d5	9.32	128	33758	20.25	ng/ul	0.00
9) 2-Nitrophenol-d4	10.05	143	36011	20.25	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.60	165	62406	19.85	ng/ul	0.00
12) 4-Chloroaniline-d4	11.11	131	28487	11.50	ng/ul	0.00
16) Dimethylphthalate-d6	14.18	166	202088	19.53	ng/ul	0.00
17) Acenaphthylene-d8	14.48	160	289177	21.70	ng/ul	0.00
20) 4-Nitrophenol-d4	15.00	143	9866	5.42	ng/ul	0.00
21) Fluorene-d10	15.77	176	189296	20.33	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.89	200	19249	15.35	ng/ul	0.00
26) Anthracene-d10	17.63	188	254046	21.82	ng/ul	0.00
30) Pyrene-d10	19.91	212	260880	22.50	ng/ul	0.00
37) Benzo(a)pyrene-d12	24.91	264	216316	22.82	ng/ul	0.00

Target Compounds

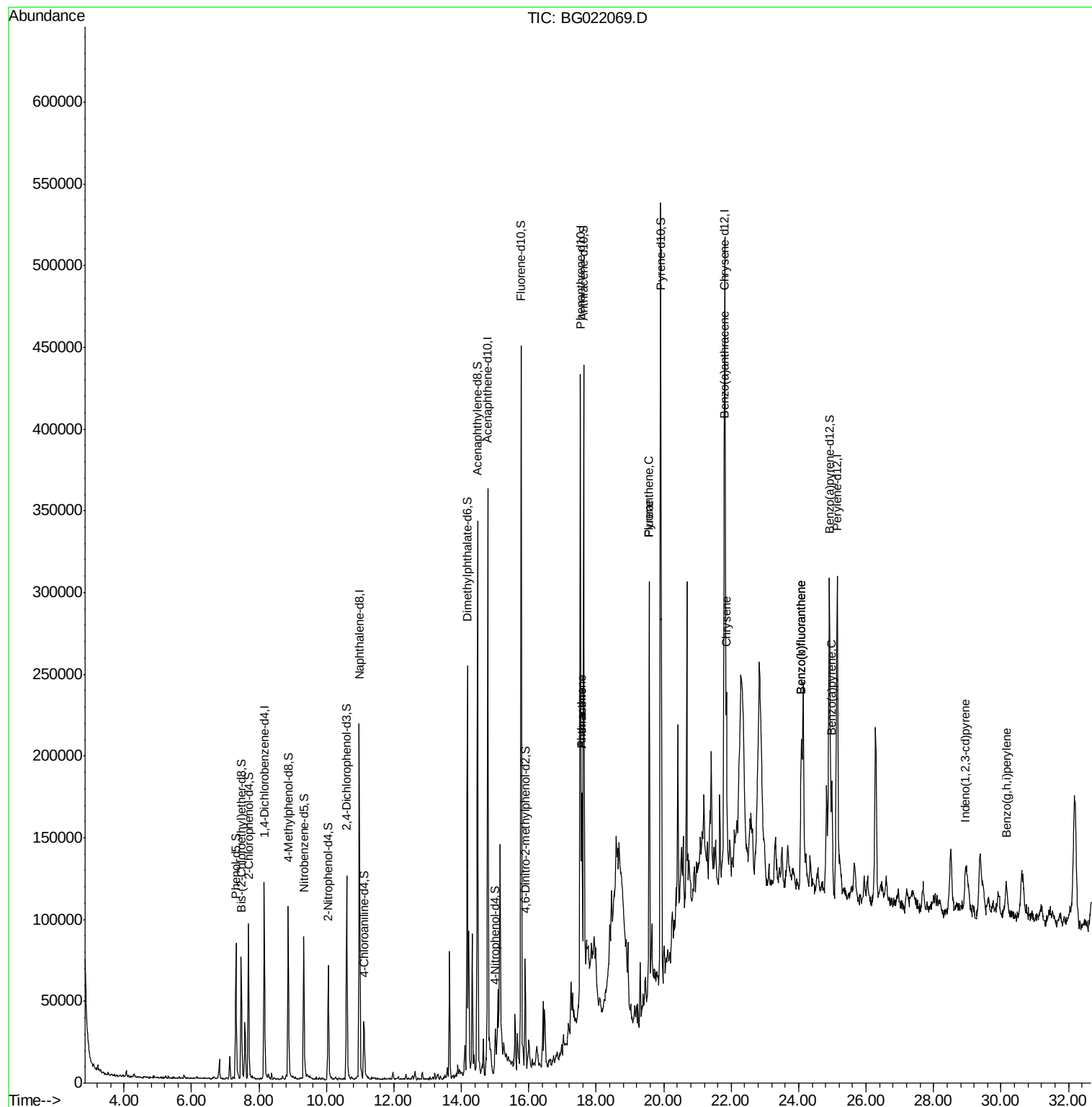
					Qvalue
25) Phenanthrene	17.57	178	77393	5.73 ng/ul	97
27) Anthracene	17.57	178	77393	5.70 ng/ul	100
28) Fluoranthene	19.57	202	160968	11.46 ng/ul#	96
31) Pyrene	19.57	202	160968	10.64 ng/ul	99
32) Benzo(a)anthracene	21.79	228	72237	5.93 ng/ul	96
33) Chrysene	21.86	228	76403	6.44 ng/ul	98
35) Benzo(b)fluoranthene	24.08	252	104944	8.55 ng/ul#	94
36) Benzo(k)fluoranthene	24.08	252	105150	8.71 ng/ul#	93
38) Benzo(a)pyrene	24.98	252	75111	6.40 ng/ul#	95
39) Indeno(1,2,3-cd)pyrene	28.95	276	48618	3.65 ng/ul#	90
41) Benzo(g,h,i)perylene	30.16	276	44105	3.91 ng/ul#	80

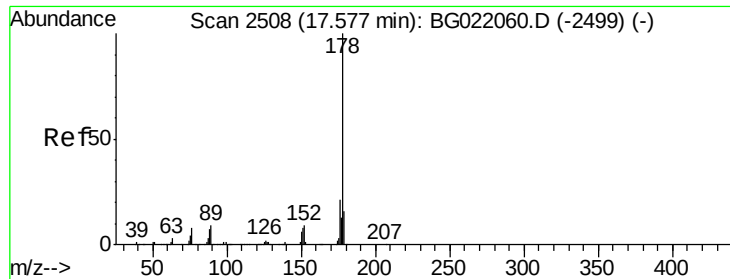
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

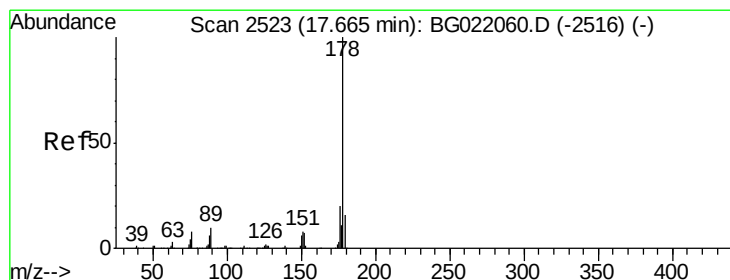
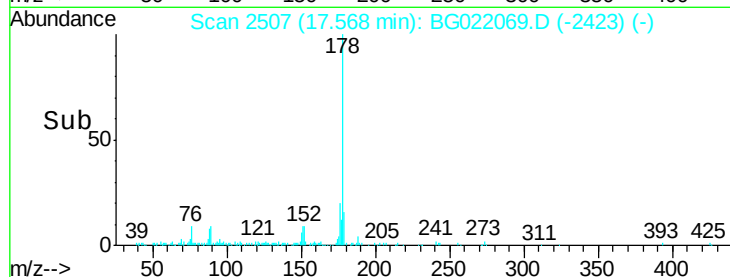
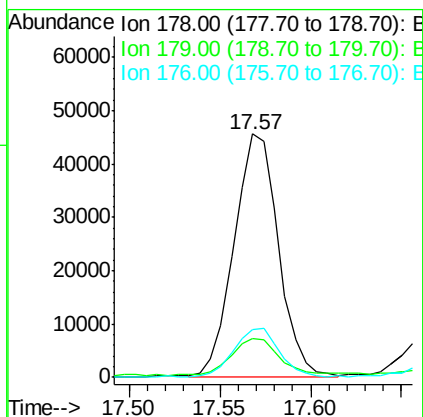
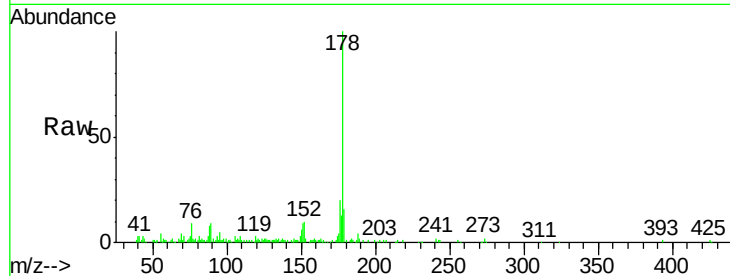




#25
Phenanthrene
Concen: 5.73 ng/ul
RT: 17.57 min Scan# 2507
Delta R.T. -0.01 min
Lab File: BG022069.D
Acq: 25 May 2016 22:04

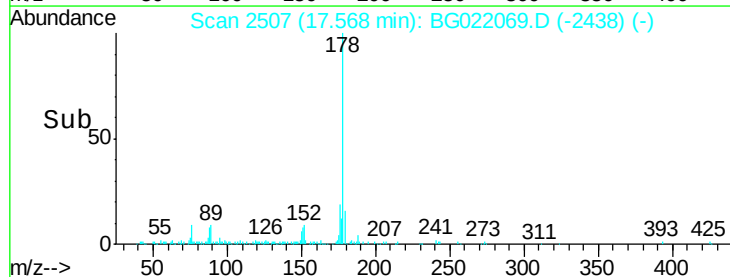
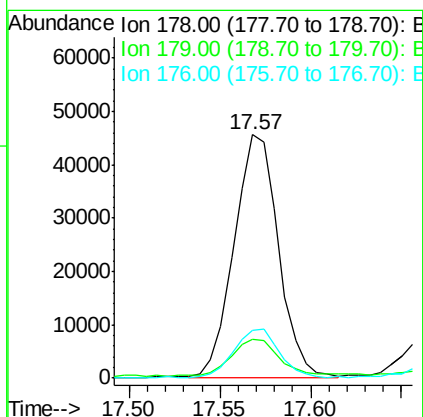
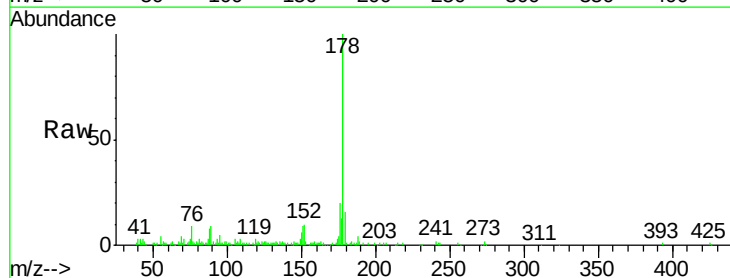
Instrument :
BNA_G
ClientSampleId :
D9XJ6

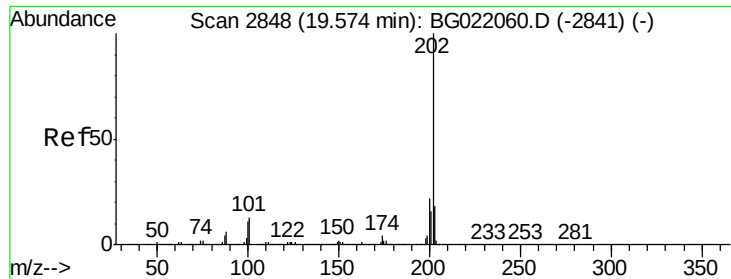
Tgt Ion:178 Resp: 77393
Ion Ratio Lower Upper
178 100
179 15.9 11.8 17.8
176 19.7 14.8 22.2



#27
Anthracene
Concen: 5.70 ng/ul
RT: 17.57 min Scan# 2507
Delta R.T. -0.10 min
Lab File: BG022069.D
Acq: 25 May 2016 22:04

Tgt Ion:178 Resp: 77393
Ion Ratio Lower Upper
178 100
179 15.9 12.9 19.3
176 19.7 15.6 23.4





#28

Fluoranthene

Concen: 11.46 ng/ul

RT: 19.57 min Scan# 2848

Delta R.T. -0.00 min

Lab File: BG022069.D

Acq: 25 May 2016 22:04

Instrument :

BNA_G

ClientSampleId :

D9XJ6

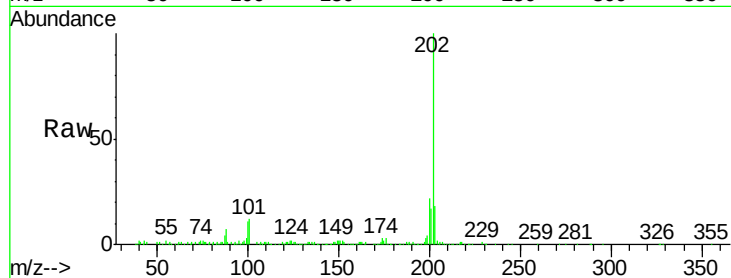
Tgt Ion:202 Resp: 160968

Ion Ratio Lower Upper

202 100

101 12.3 8.9 13.3

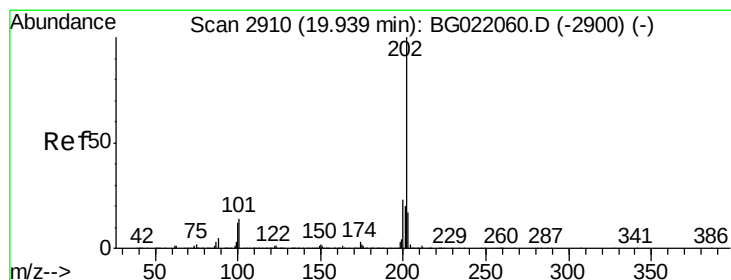
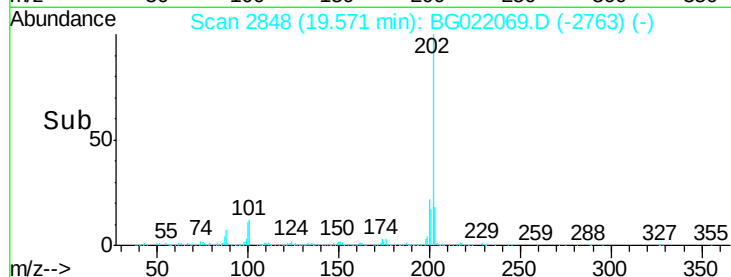
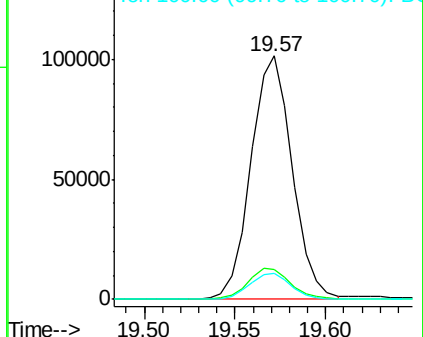
100 10.8 7.0 10.4#



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



#31

Pyrene

Concen: 10.64 ng/ul

RT: 19.57 min Scan# 2848

Delta R.T. -0.37 min

Lab File: BG022069.D

Acq: 25 May 2016 22:04

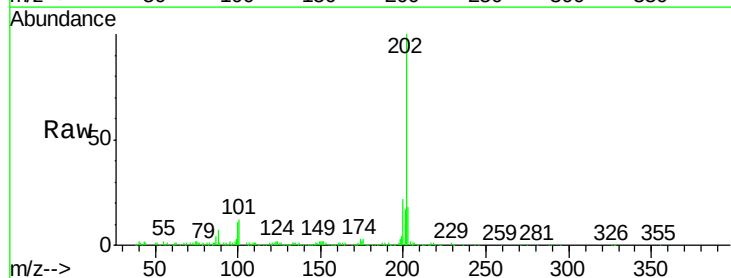
Tgt Ion:202 Resp: 160968

Ion Ratio Lower Upper

202 100

101 12.3 9.8 14.8

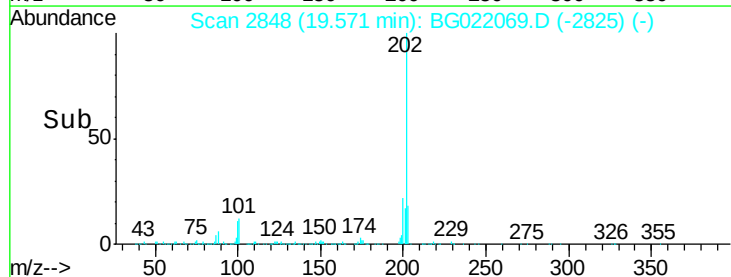
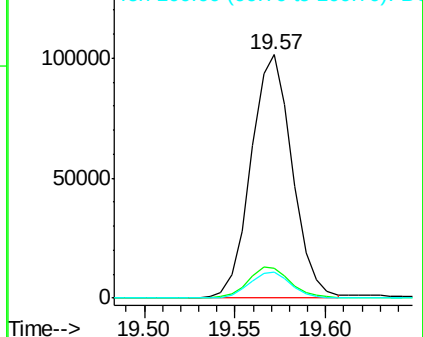
100 10.8 9.3 13.9

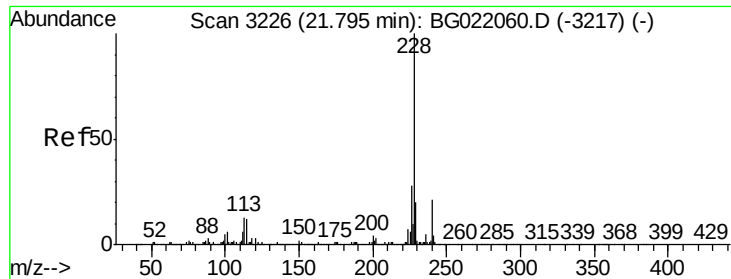


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

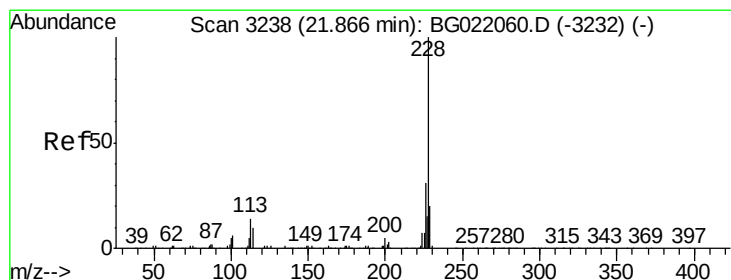
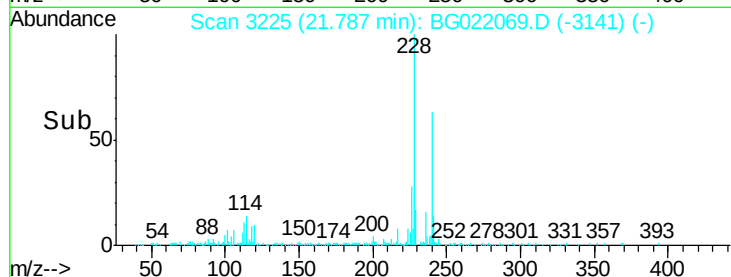
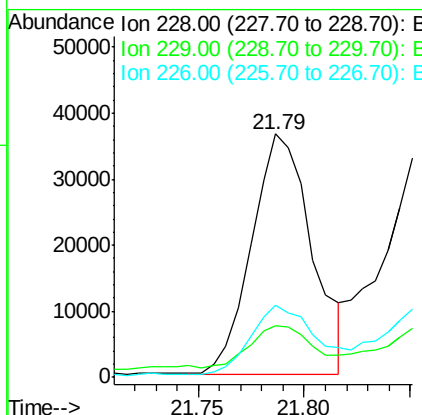
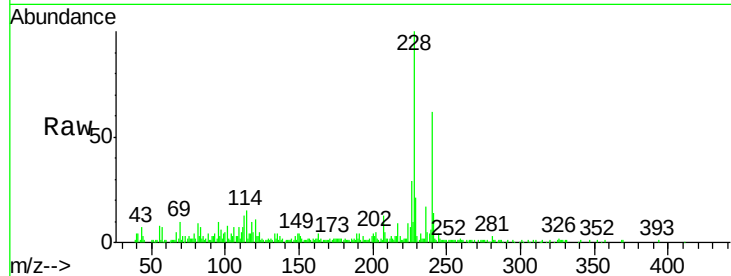




#32
Benzo(a)anthracene
Concen: 5.93 ng/ul
RT: 21.79 min Scan# 3225
Delta R.T. -0.01 min
Lab File: BG022069.D
Acq: 25 May 2016 22:04

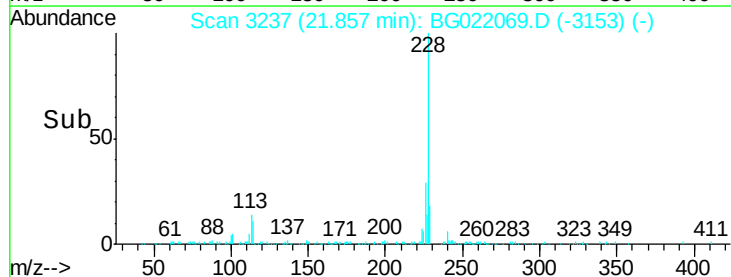
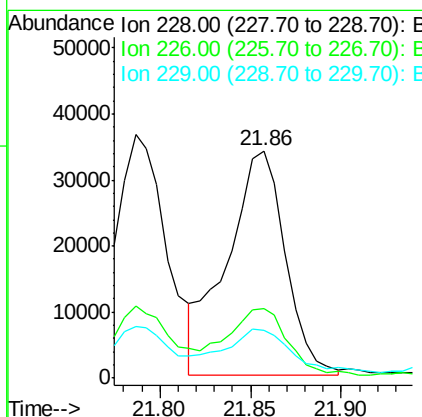
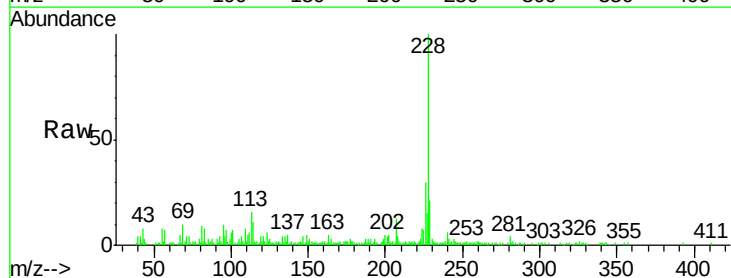
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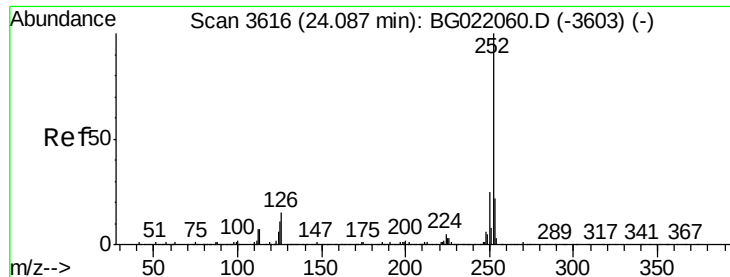
Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.0	16.6	25.0
226	29.4	21.0	31.4



#33
Chrysene
Concen: 6.44 ng/ul
RT: 21.86 min Scan# 3237
Delta R.T. -0.01 min
Lab File: BG022069.D
Acq: 25 May 2016 22:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.4	35.2
229	21.1	16.2	24.2





#35

Benzo(b)fluoranthene

Concen: 8.55 ng/ul

RT: 24.08 min Scan# 3616

Delta R.T. -0.00 min

Lab File: BG022069.D

Acq: 25 May 2016 22:04

Instrument :

BNA_G

ClientSampleId :

D9XJ6

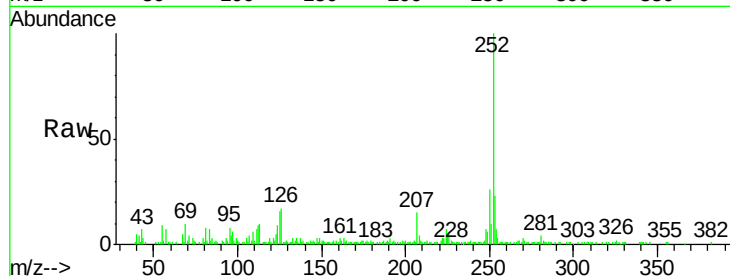
Tgt Ion:252 Resp: 104944

Ion Ratio Lower Upper

252 100

253 23.5 18.1 27.1

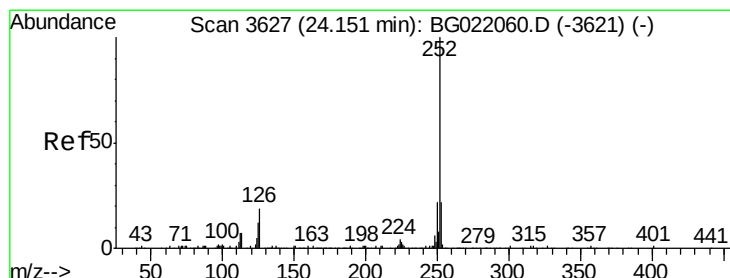
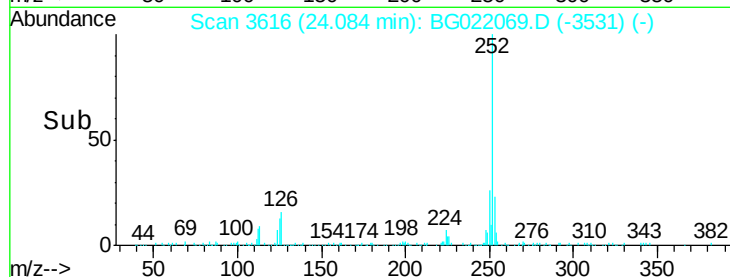
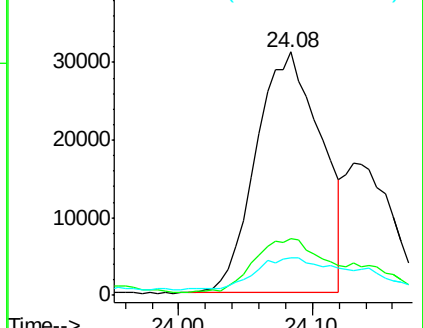
125 15.6 7.6 11.4#



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



#36

Benzo(k)fluoranthene

Concen: 8.71 ng/ul

RT: 24.08 min Scan# 3616

Delta R.T. -0.07 min

Lab File: BG022069.D

Acq: 25 May 2016 22:04

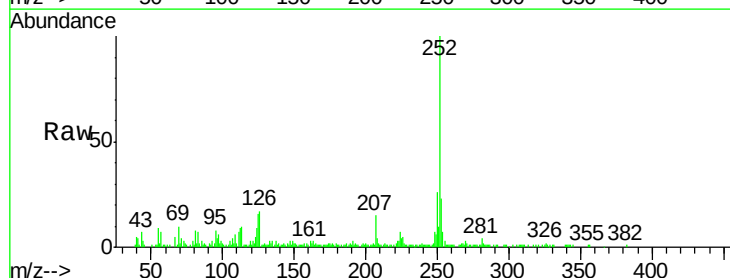
Tgt Ion:252 Resp: 105150

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.8

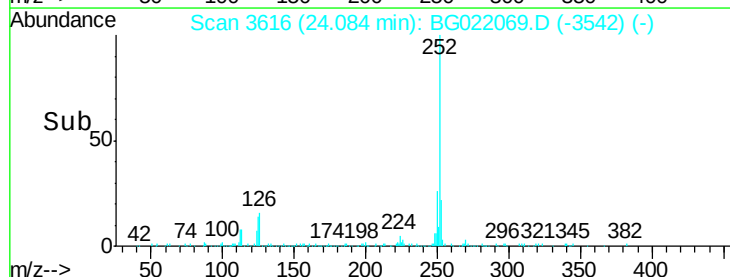
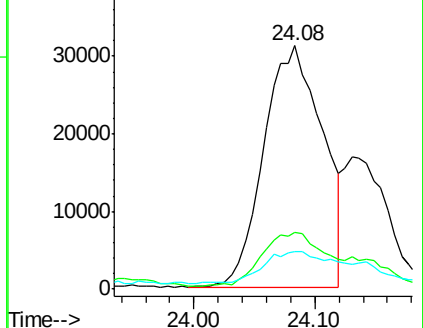
125 15.6 7.7 11.5#

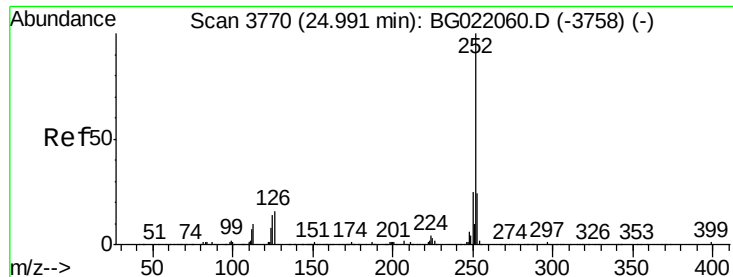


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 6.40 ng/ul

RT: 24.98 min Scan# 3769

Delta R.T. -0.01 min

Lab File: BG022069.D

Acq: 25 May 2016 22:04

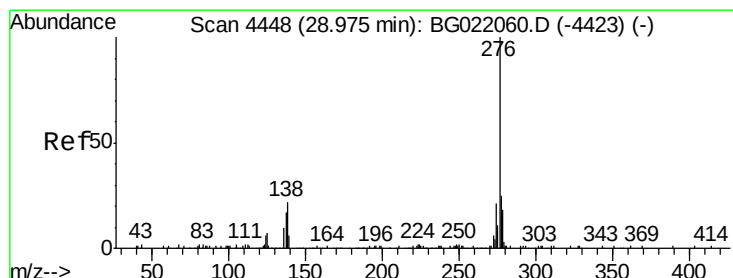
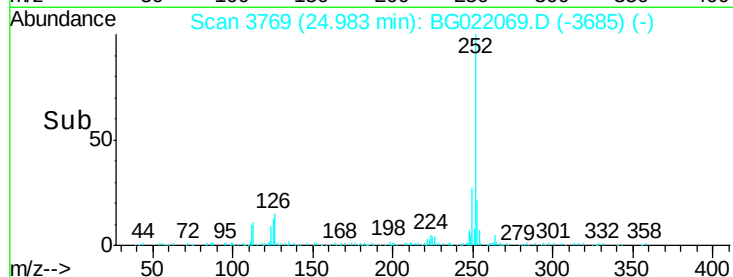
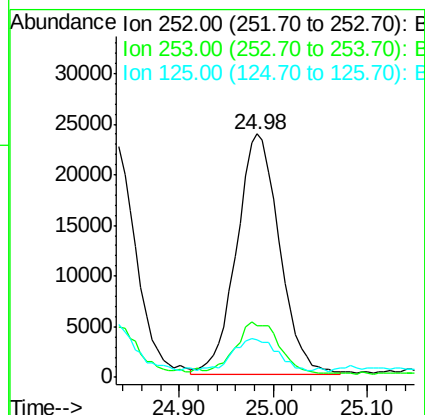
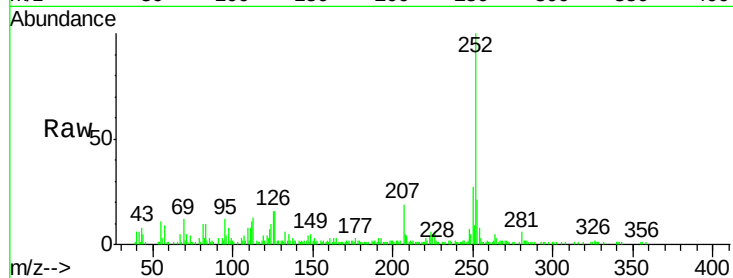
Instrument :

BNA_G

ClientSampleId :

D9XJ6

Tgt Ion:	252	Resp:	75111
Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.0
125	15.5	8.2	12.2#



#39

Indeno(1,2,3-cd)pyrene

Concen: 3.65 ng/ul

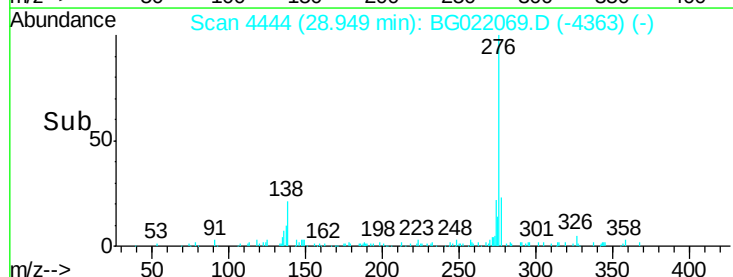
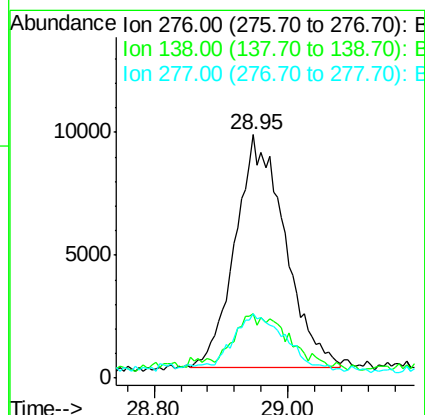
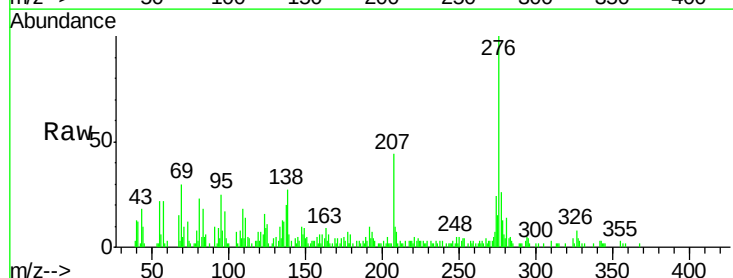
RT: 28.95 min Scan# 4444

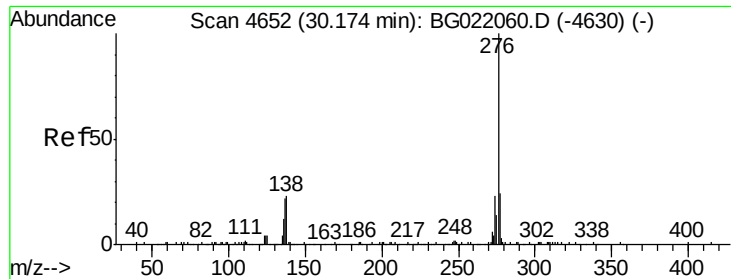
Delta R.T. -0.03 min

Lab File: BG022069.D

Acq: 25 May 2016 22:04

Tgt Ion:	276	Resp:	48618
Ion	Ratio	Lower	Upper
276	100		
138	26.6	15.8	23.6#
277	26.2	19.0	28.6





#41

Benzo(g,h,i)perylene

Concen: 3.91 ng/ul

RT: 30.16 min Scan# 4650

Delta R.T. -0.01 min

Lab File: BG022069.D

Acq: 25 May 2016 22:04

Instrument :

BNA_G

ClientSampleId :

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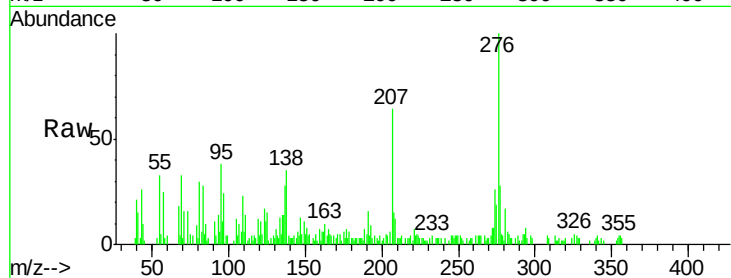
Tgt Ion: 276 Resp: 44105

Ion Ratio Lower Upper

276 100

138 34.9 13.9 20.9#

277 27.6 19.8 29.6



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

