Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052216\
Data File : BG022037.D
Acq On : 23 May 2016 7:27
Operator : UM/SJ
Sample : H3203-15
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XH9

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Quant Time: May 24 13:37:15 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG051816.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 20 08:11:42 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	47739	20.00	ng/ul	0.00
7) Naphthalene-d8	10.98	136	238410	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.79	164	123841	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.53	188	236001	20.00	ng/ul	0.00
29) Chrysene-d12	21.81	240	206548	20.00	ng/ul	0.00
34) Perylene-d12	25.14	264	197146	20.00	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.54	96	1124	1.08	ng/uL	0.00
3) Phenol-d5	7.31	99	74232	17.61	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.48	67	42143	18.77	ng/ul	0.00
5) 2-Chlorophenol-d4	7.69	132	65727	18.99	ng/ul	0.00
6) 4-Methylphenol-d8	8.86	113	61276	16.32	ng/ul	0.00
8) Nitrobenzene-d5	9.33	128	34054	20.36	ng/ul	0.00
9) 2-Nitrophenol-d4	10.06	143	34748	19.47	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.60	165	60635	19.22	ng/ul	0.00
12) 4-Chloroaniline-d4	11.11	131	63901m	25.72	ng/ul	0.00
16) Dimethylphthalate-d6	14.18	166	195551	20.48	ng/ul	0.00
17) Acenaphthylene-d8	14.48	160	270022	21.95	ng/ul	0.00
20) 4-Nitrophenol-d4	14.99	143	11656m	6.94	ng/ul	0.00
21) Fluorene-d10	15.77	176	174114	20.26	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.89	200	13715	11.71	ng/ul	0.00
26) Anthracene-d10	17.63	188	233821	21.50	ng/ul	0.00
30) Pyrene-d10	19.91	212	248393	22.79	ng/ul	0.00
37) Benzo(a)pyrene-d12	24.92	264	202775	23.16	ng/ul	0.00
Target Compounds						Qvalue
25) Phenanthrene	17.57	178	154356	12.24	ng/ul	98
27) Anthracene	17.66	178	20994	1.66	ng/ul	98
28) Fluoranthene	19.57	202	365399	27.87	ng/ul#	94
31) Pyrene	19.93	202	278050m	19.55	ng/ul	
32) Benzo(a)anthracene	21.79	228	146990	12.83	ng/ul	98
33) Chrysene	21.86	228	149471	13.41	ng/ul	97
35) Benzo(b)fluoranthene	24.09	252	229799m	20.28	ng/ul	
36) Benzo(k)fluoranthene	24.13	252	73792m	6.62	ng/ul	
38) Benzo(a)pyrene	24.99	252	133540	12.32	ng/ul#	95
39) Indeno(1,2,3-cd)pyrene	28.96	276	86863	7.05	ng/ul#	89
40) Dibenzo(a,h)anthracene	29.01	278	22416m	2.20	ng/ul	
41) Benzo(g,h,i)perylene	30.17	276	69997m	6.72	ng/ul	

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

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Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052216\
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Quant Title : SVOA CALIBRATION
QLast Update : Fri May 20 08:11:42 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9XH9

Manual Integrations APPROVED
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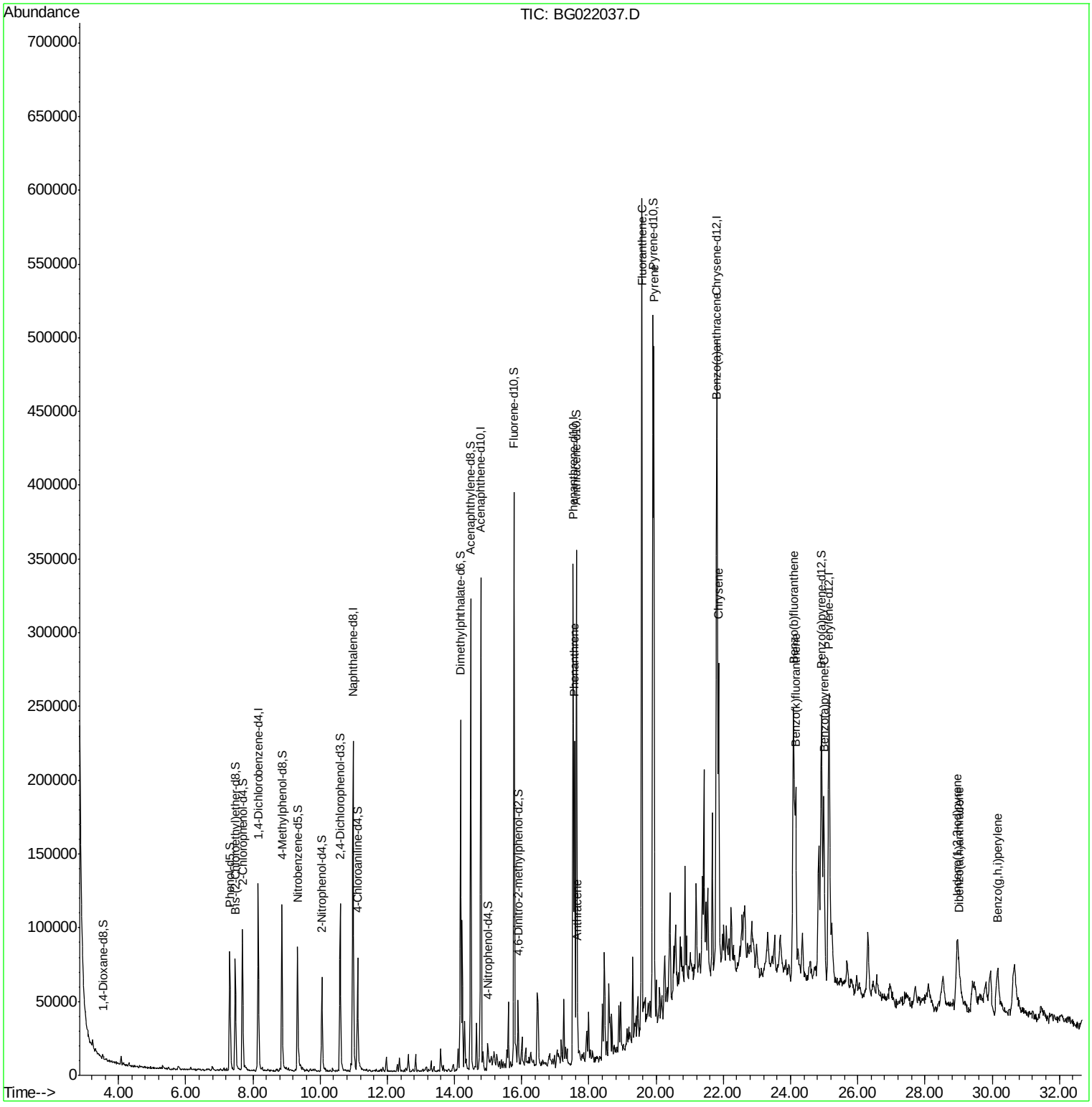
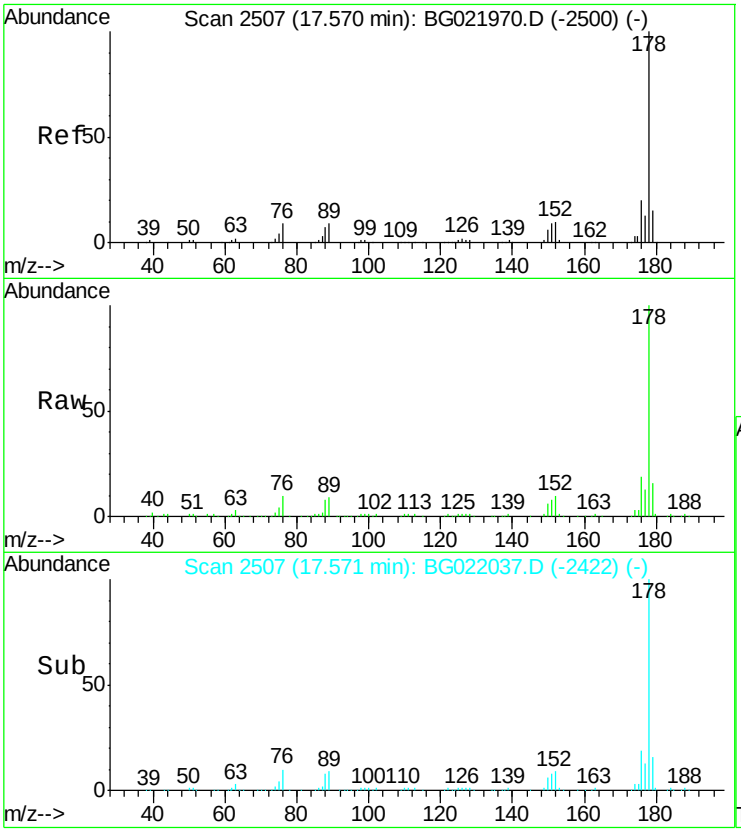
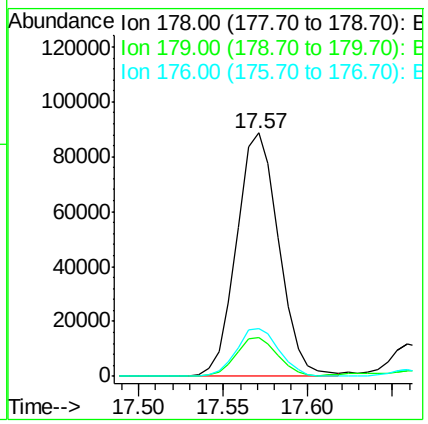




#25
Phenanthrene
Concen: 12.24 ng/ul
RT: 17.57 min Scan# 2507
Delta R.T. 0.00 min
Lab File: BG022037.D
Acq: 23 May 2016 7:27

Tgt Ion:178 Resp: 154356

Ion	Ratio	Lower	Upper
178	100		
179	16.0	11.8	17.8
176	19.4	14.8	22.2



Instrument :
BNA_G
ClientSampleId :
D9XH9

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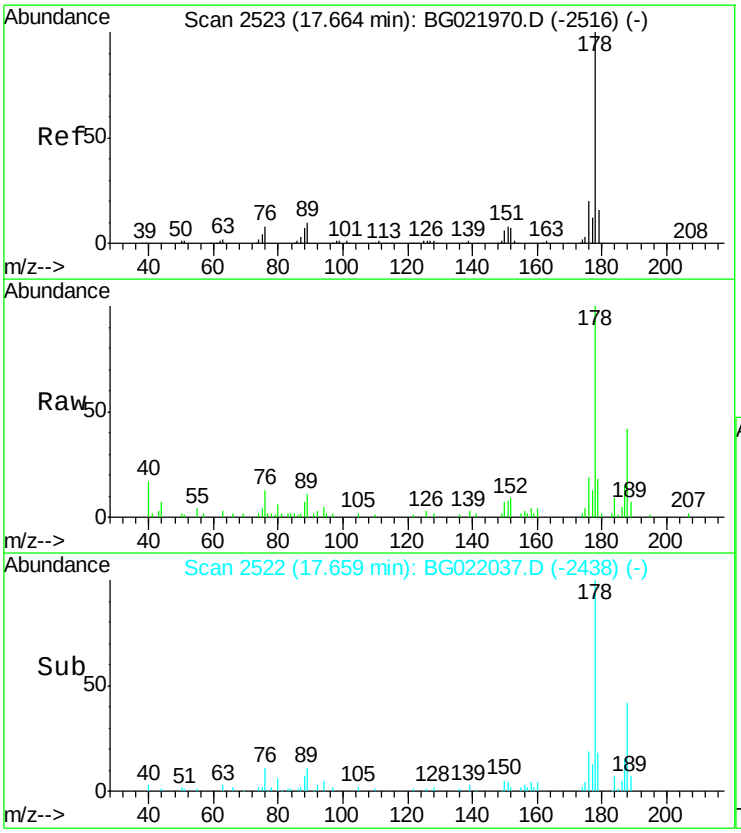
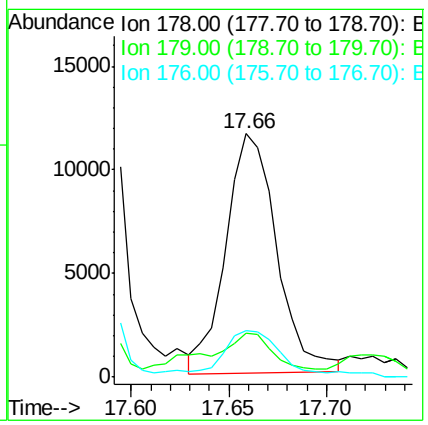
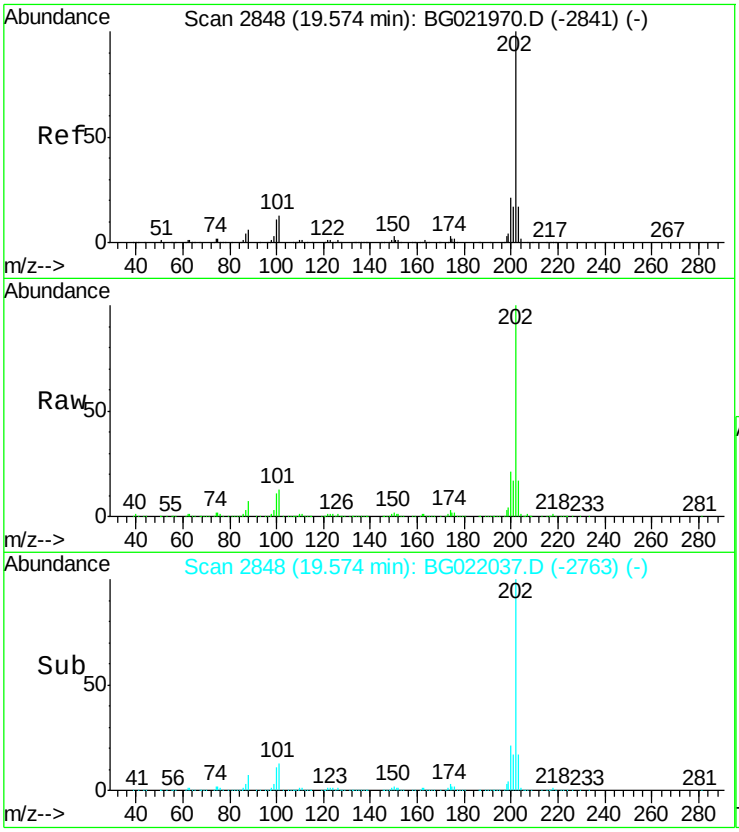


#27
Anthracene
Concen: 1.66 ng/ul
RT: 17.66 min Scan# 2522
Delta R.T. -0.01 min
Lab File: BG022037.D
Acq: 23 May 2016 7:27

Tgt Ion:178 Resp: 20994

Ion	Ratio	Lower	Upper
178	100		
179	18.1	12.9	19.3
176	19.4	15.6	23.4





#28
Fluoranthene
Concen: 27.87 ng/ul
RT: 19.57 min Scan# 2848
Delta R.T. 0.00 min
Lab File: BG022037.D
Acq: 23 May 2016 7:27

Tgt Ion:202 Resp: 365399

Ion	Ratio	Lower	Upper
202	100		
101	13.2	8.9	13.3
100	10.9	7.0	10.4#

Instrument :
BNA_G
ClientSampleId :
D9XH9

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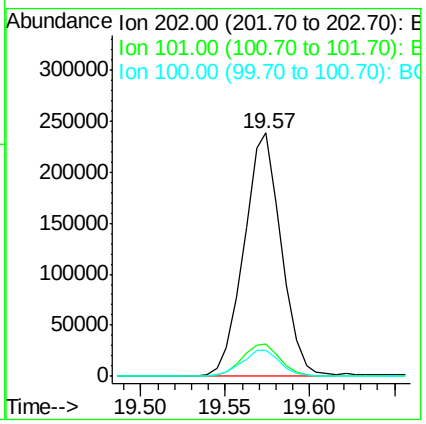
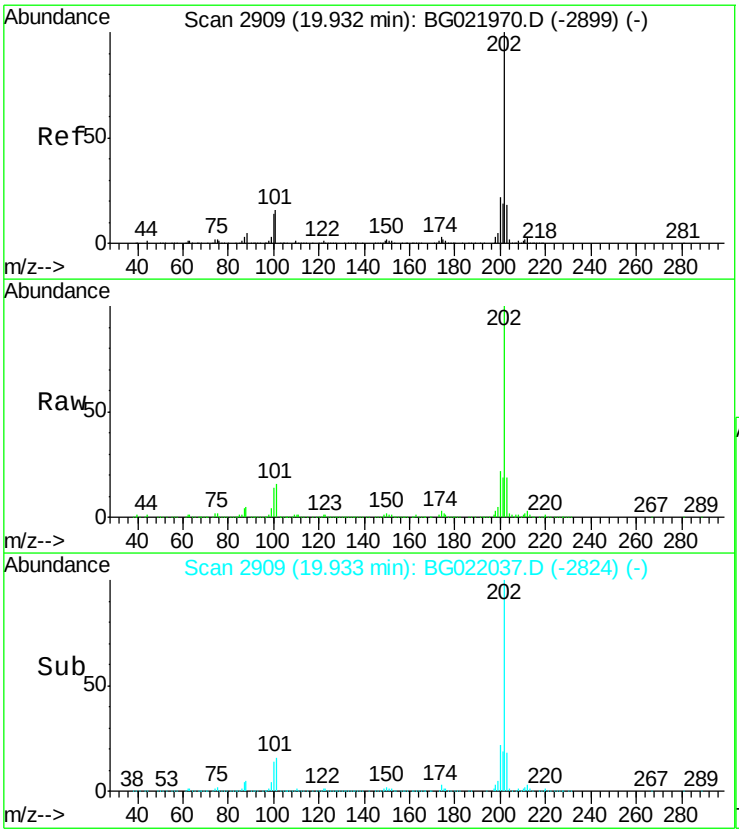
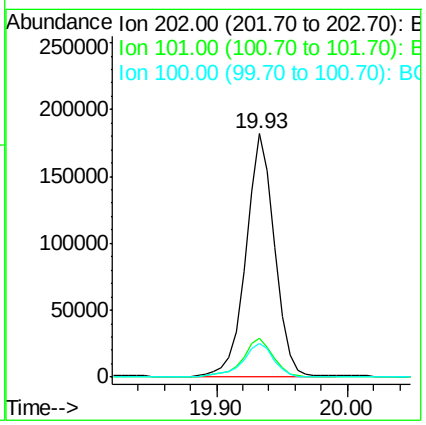


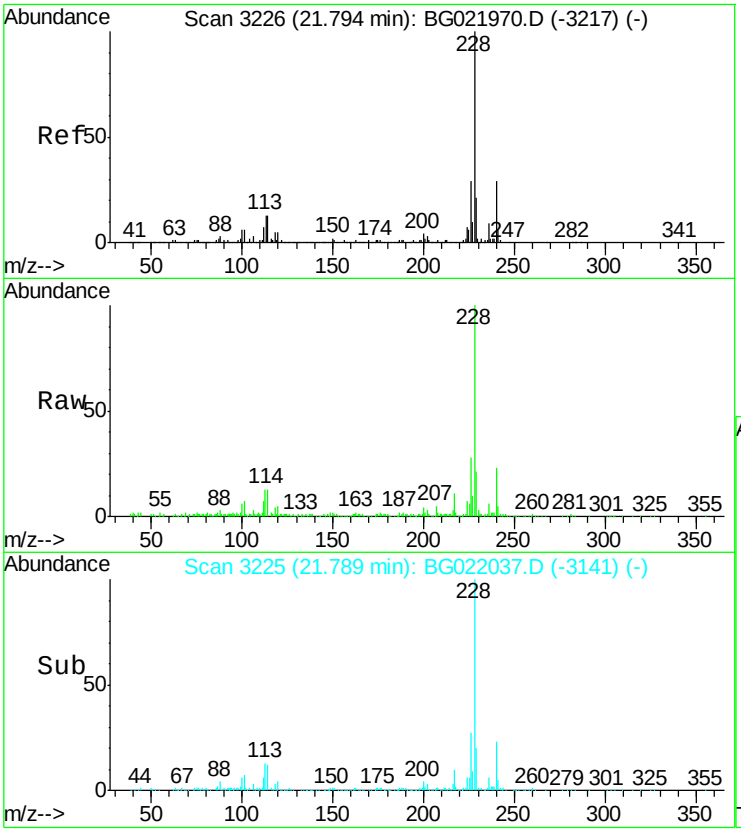


#31
Pyrene
Concen: 19.55 ng/ul m
RT: 19.93 min Scan# 2909
Delta R.T. 0.00 min
Lab File: BG022037.D
Acq: 23 May 2016 7:27

Tgt Ion:202 Resp: 278050

Ion	Ratio	Lower	Upper
202	100		
101	16.0	9.8	14.8#
100	13.8	9.3	13.9

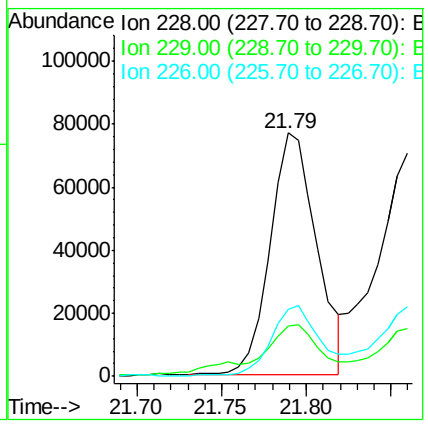




#32
Benzo(a)anthracene
Concen: 12.83 ng/ul
RT: 21.79 min Scan# 3225
Delta R.T. -0.01 min
Lab File: BG022037.D
Acq: 23 May 2016 7:27

Tgt Ion:228 Resp: 146990

Ion	Ratio	Lower	Upper
228	100		
229	20.5	16.6	25.0
226	27.8	21.0	31.4



Instrument :
BNA_G
ClientSampleId :
D9XH9

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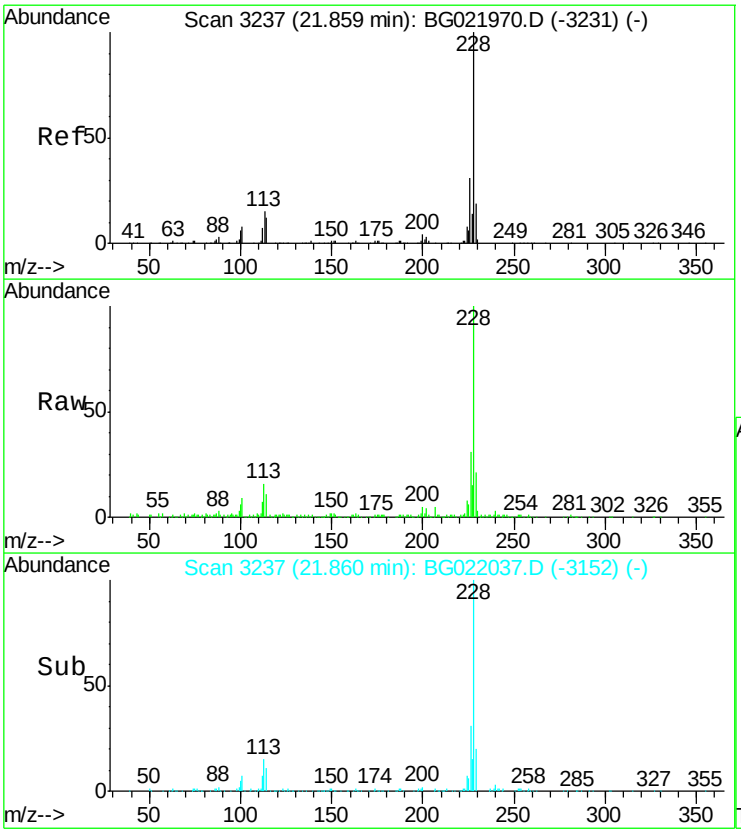
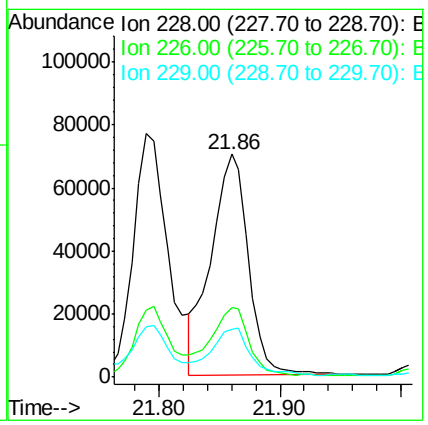
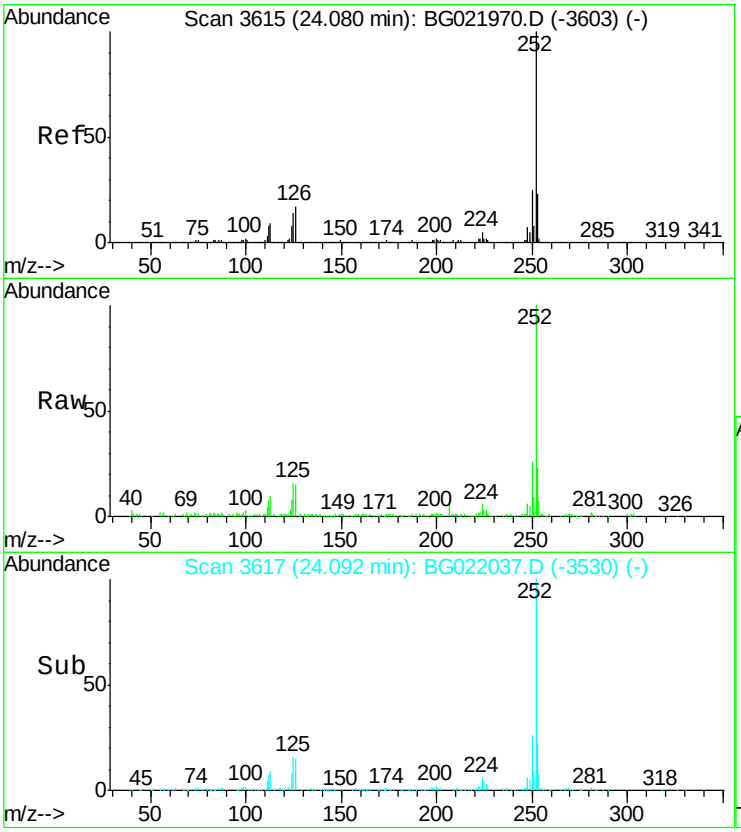


#33
Chrysene
Concen: 13.41 ng/ul
RT: 21.86 min Scan# 3237
Delta R.T. 0.00 min
Lab File: BG022037.D
Acq: 23 May 2016 7:27

Tgt Ion:228 Resp: 149471

Ion	Ratio	Lower	Upper
228	100		
226	31.4	23.4	35.2
229	21.4	16.2	24.2

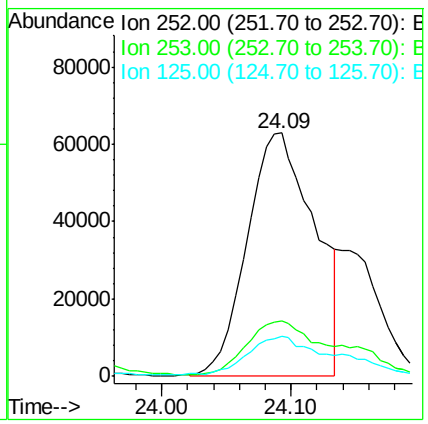




#35
Benzo(b)fluoranthene
Concen: 20.28 ng/ul m
RT: 24.09 min Scan# 3617
Delta R.T. 0.01 min
Lab File: BG022037.D
Acq: 23 May 2016 7:27

Tgt Ion:252 Resp: 229799

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	16.3	7.6	11.4#



Instrument :
BNA_G
ClientSampleId :
D9XH9

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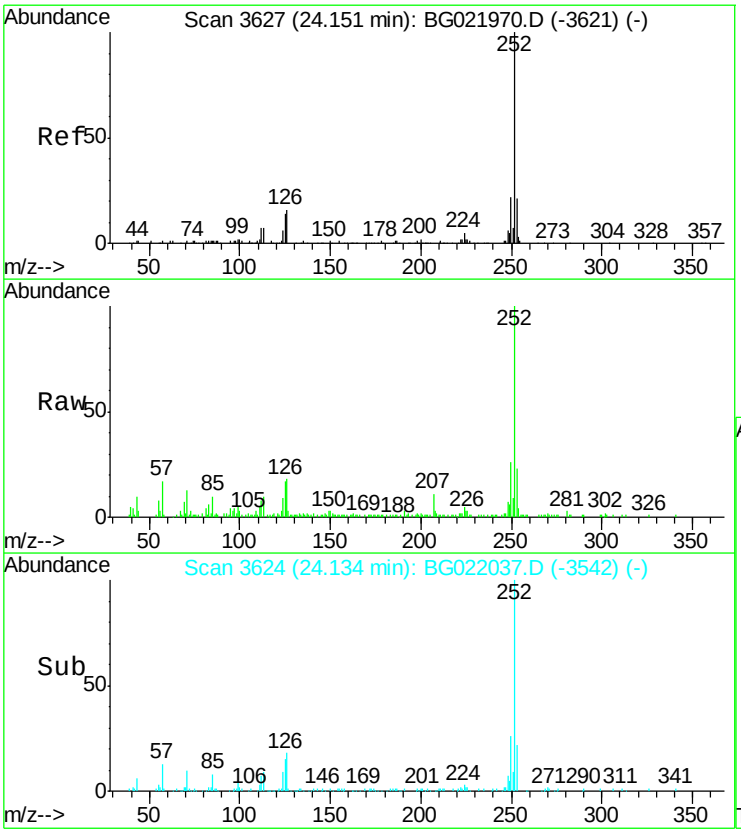
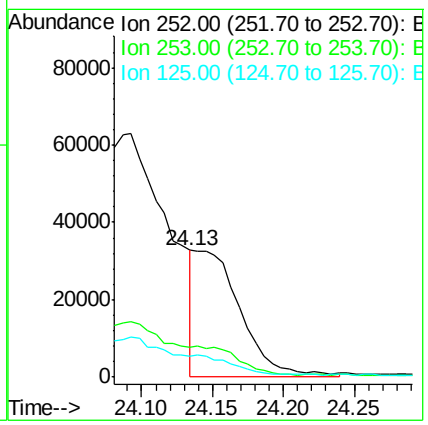
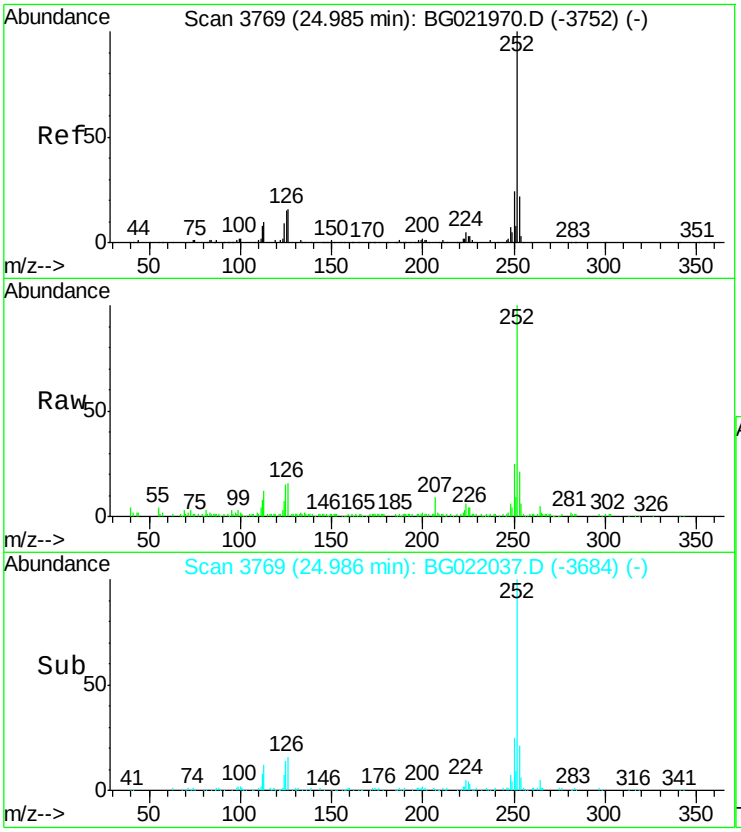


#36
Benzo(k)fluoranthene
Concen: 6.62 ng/ul m
RT: 24.13 min Scan# 3624
Delta R.T. -0.02 min
Lab File: BG022037.D
Acq: 23 May 2016 7:27

Tgt Ion:252 Resp: 73792

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	17.0	7.7	11.5#





#38
Benzo(a)pyrene
Concen: 12.32 ng/ul
RT: 24.99 min Scan# 3769
Delta R.T. 0.00 min
Lab File: BG022037.D
Acq: 23 May 2016 7:27

Tgt Ion:252 Resp: 133540

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.0
125	15.3	8.2	12.2#

Instrument :
BNA_G
ClientSampleId :
D9XH9

Manual Integrations APPROVED
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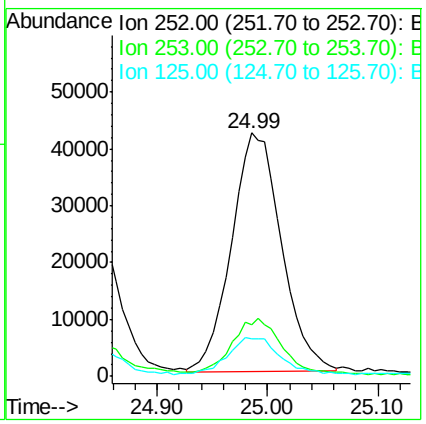
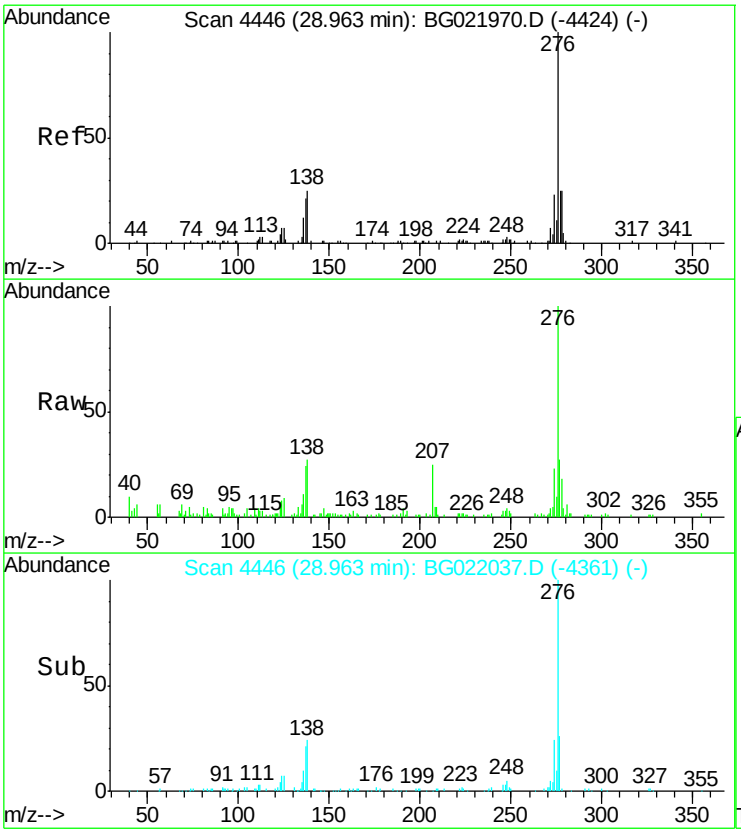
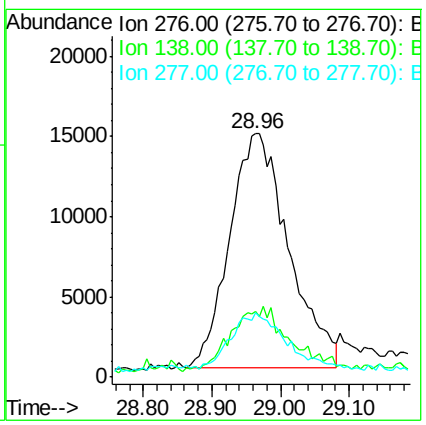


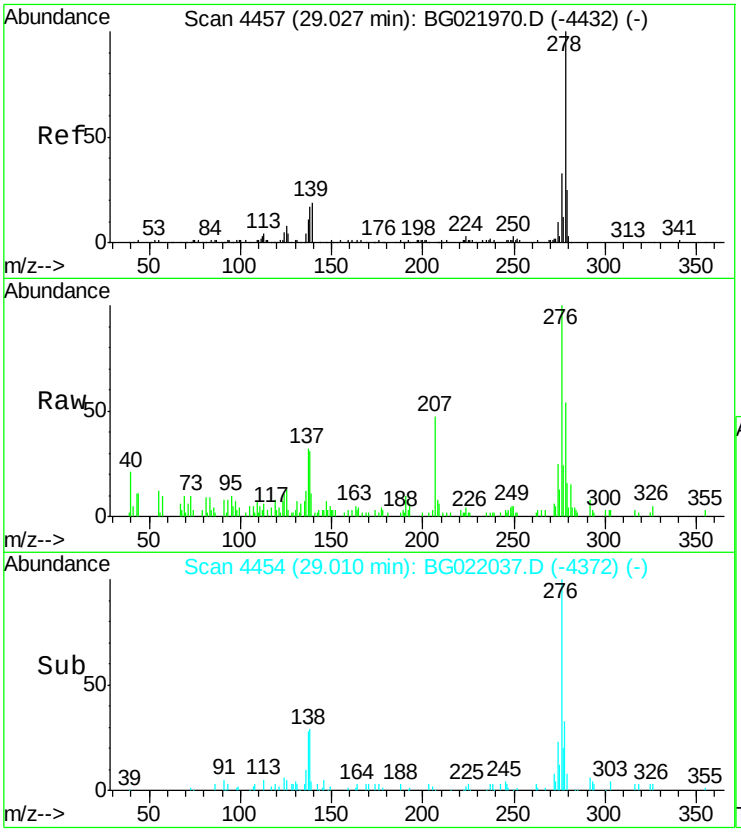


#39
Indeno(1,2,3-cd)pyrene
Concen: 7.05 ng/ul
RT: 28.96 min Scan# 4446
Delta R.T. 0.00 min
Lab File: BG022037.D
Acq: 23 May 2016 7:27

Tgt Ion:276 Resp: 86863

Ion	Ratio	Lower	Upper
276	100		
138	27.1	15.8	23.6#
277	26.7	19.0	28.6





#40
Dibenzo(a,h)anthracene
Concen: 2.20 ng/ul m
RT: 29.01 min Scan# 4454
Delta R.T. -0.02 min
Lab File: BG022037.D
Acq: 23 May 2016 7:27

Tgt Ion:278 Resp: 22416

Ion	Ratio	Lower	Upper
278	100		
139	20.5	12.1	18.1#
279	29.9	19.8	29.8#

Instrument :
BNA_G
ClientSampleId :
D9XH9

Manual Integrations APPROVED
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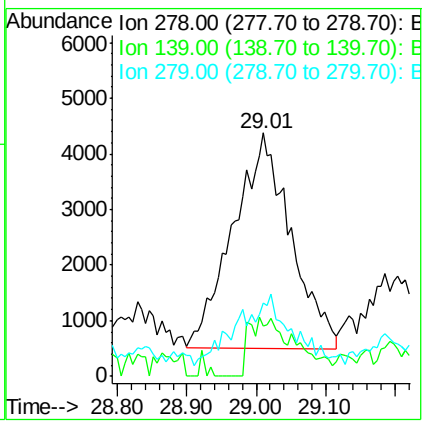

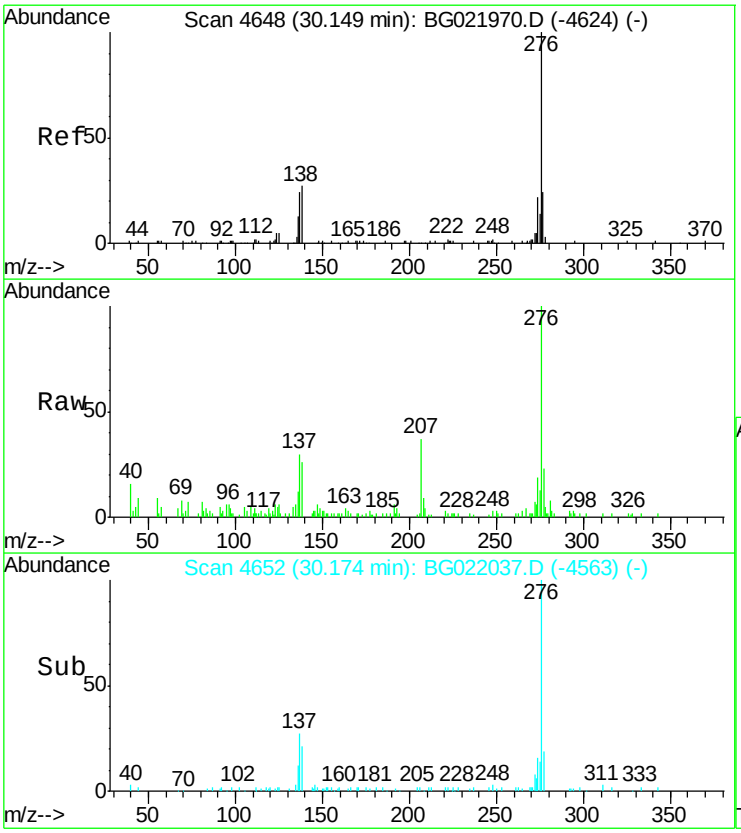

#41
Benzo(g,h,i)perylene
Concen: 6.72 ng/ul m
RT: 30.17 min Scan# 4652
Delta R.T. 0.02 min
Lab File: BG022037.D
Acq: 23 May 2016 7:27

Tgt Ion:276 Resp: 69997

Ion	Ratio	Lower	Upper
276	100		
138	25.9	13.9	20.9#
277	23.3	19.8	29.6