Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030917\
Data File : BG026162.D
Acq On : 9 Mar 2017 23:13
Operator : SJ/MA
Sample : I2069-22
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AJ7

Quant Time: Mar 15 15:49:31 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030317-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 15 15:39:02 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	109318	20.00	ng/ul	0.00
2) Naphthalene-d8	10.86	136	504759	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.67	164	308363	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.40	188	767528	20.00	ng/ul	0.00
18) Chrysene-d12	21.65	240	794275	20.00	ng/ul	0.00
23) Perylene-d12	24.83	264	766478	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.48	165	115244	15.41	ng/uL	0.00
7) Acenaphthylene-d8	14.36	160	534945	20.35	ng/ul	0.00
10) Fluorene-d10	15.65	176	405237	21.13	ng/ul	0.00
15) Anthracene-d10	17.50	188	621495	18.22	ng/ul	0.00
19) Pyrene-d10	19.77	212	742191	18.31	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.61	264	672782	20.35	ng/ul	0.00
Target Compounds						Qvalue
14) Phenanthrene	17.44	178	139617	3.43	ng/ul	100
17) Fluoranthene	19.44	202	316702	7.50	ng/ul	99
20) Pyrene	19.80	202	266712	5.27	ng/ul	98
21) Benzo(a)anthracene	21.62	228	168127	3.80	ng/ul	99
22) Chrysene	21.69	228	168202	4.08	ng/ul	98
24) Benzo(b)fluoranthene	23.82	252	214513	4.93	ng/ul	99
25) Benzo(k)fluoranthene	23.88	252	69787	1.68	ng/ul	98
27) Benzo(a)pyrene	24.68	252	133253	3.30	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	28.46	276	86305	1.93	ng/ul	96
30) Benzo(g,h,i)perylene	29.59	276	69506	1.82	ng/ul#	93

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

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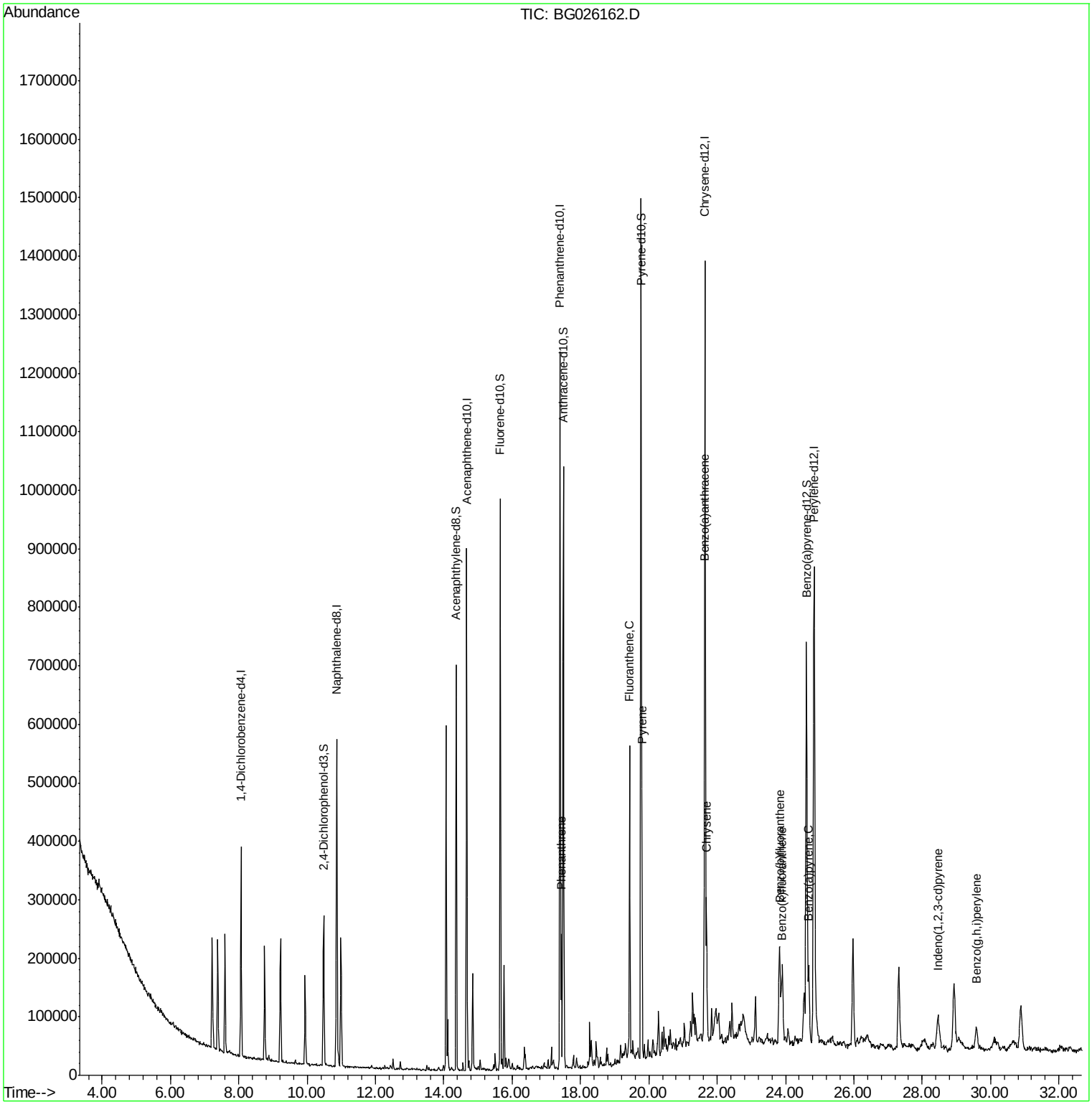
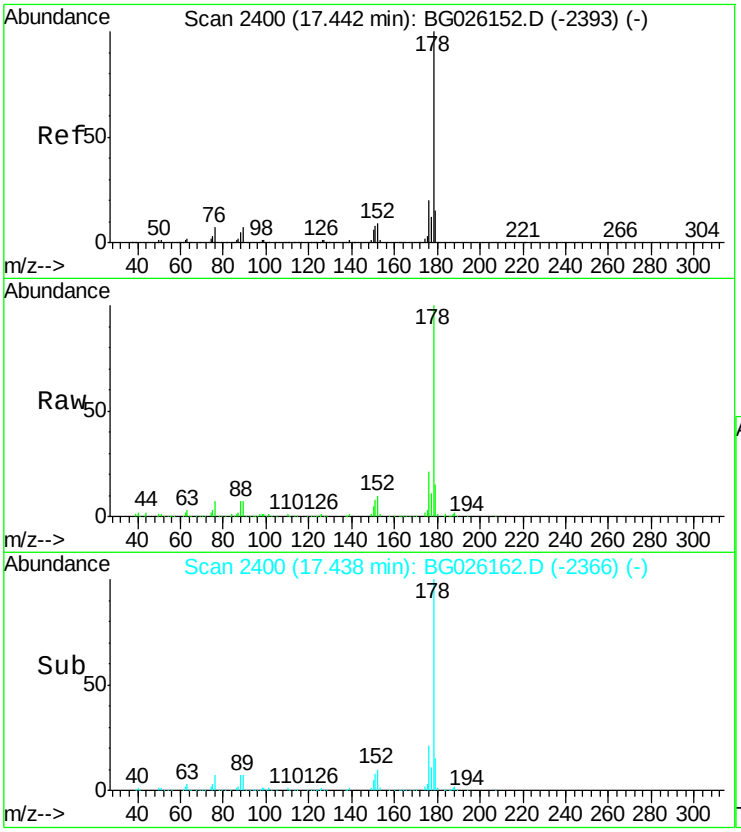


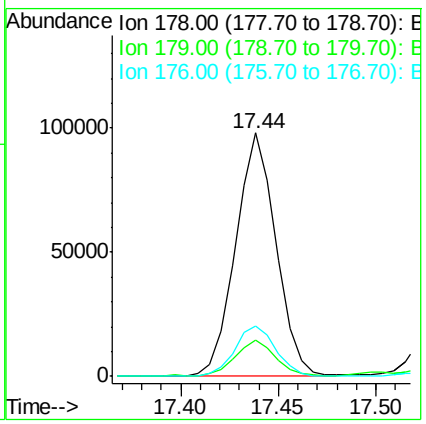


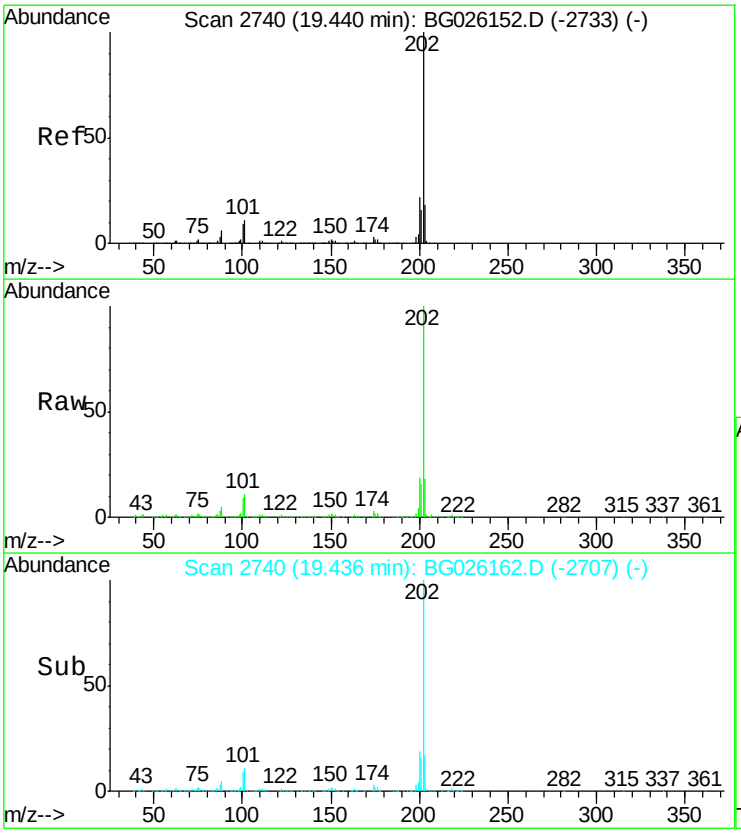
#14
Phenanthrene
Concen: 3.43 ng/ul
RT: 17.44 min Scan# 2400
Delta R.T. 0.00 min
Lab File: BG026162.D
Acq: 9 Mar 2017 23:13

Instrument :
BNA_G
ClientSampleId :
C0AJ7

Tgt Ion:178 Resp: 139617

Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.2	18.4
176	20.6	16.4	24.6

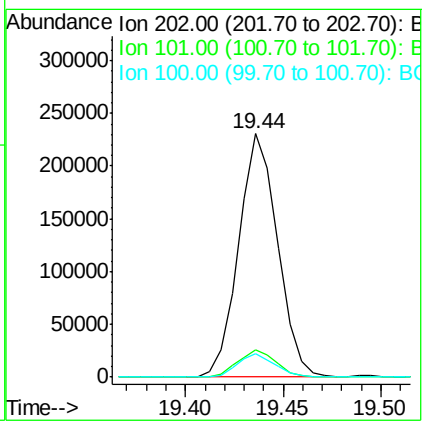


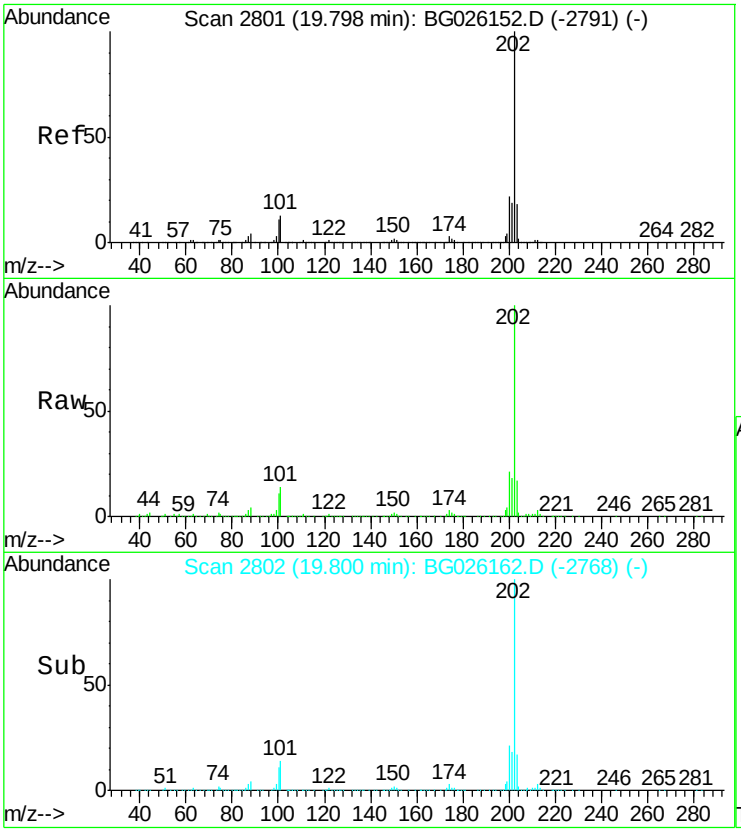


#17
Fluoranthene
Concen: 7.50 ng/ul
RT: 19.44 min Scan# 2740
Delta R.T. -0.00 min
Lab File: BG026162.D
Acq: 9 Mar 2017 23:13

Tgt Ion:202 Resp: 316702

Ion	Ratio	Lower	Upper
202	100		
101	11.4	9.8	14.8
100	9.4	7.5	11.3



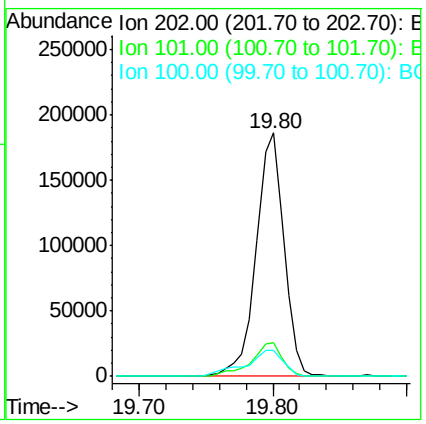


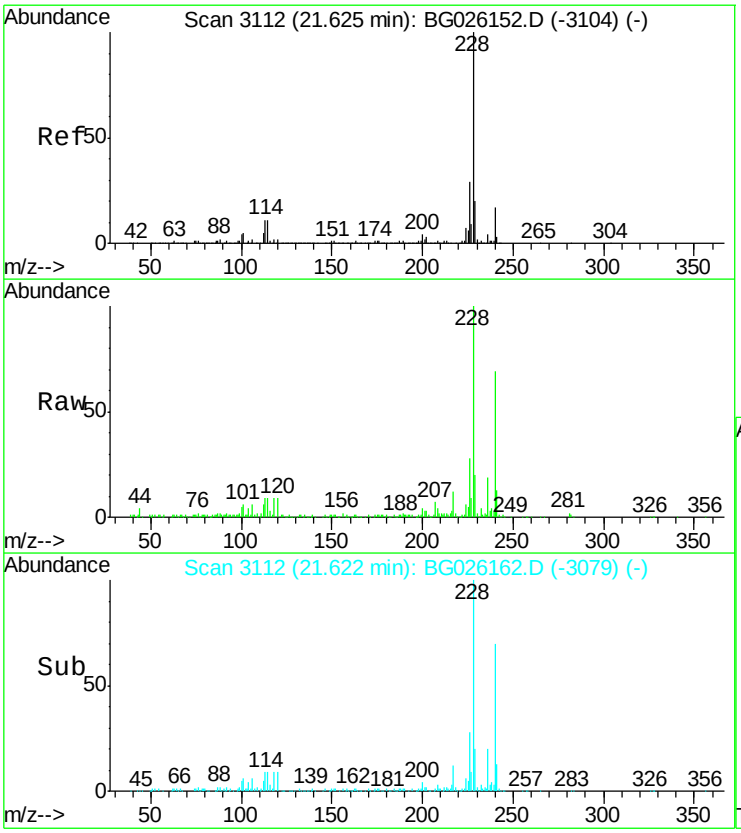
#20
Pyrene
Concen: 5.27 ng/ul
RT: 19.80 min Scan# 2802
Delta R.T. 0.00 min
Lab File: BG026162.D
Acq: 9 Mar 2017 23:13

Instrument :
BNA_G
ClientSampleId :
C0AJ7

Tgt Ion:202 Resp: 266712

Ion	Ratio	Lower	Upper
202	100		
101	13.9	11.2	16.8
100	10.6	9.8	14.6

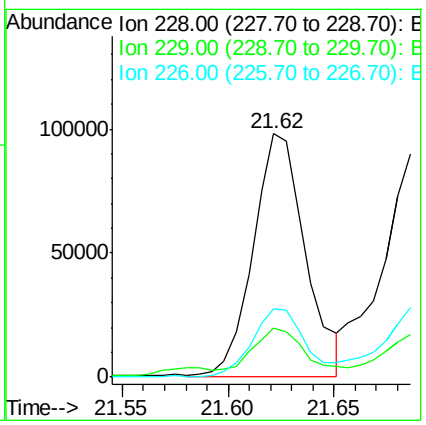


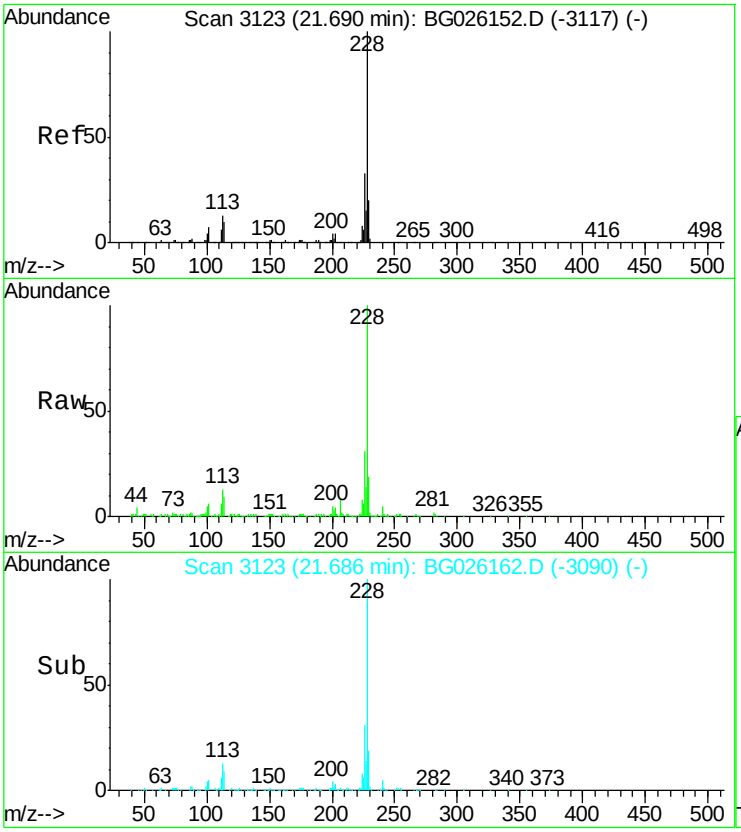


#21
Benzo(a)anthracene
Concen: 3.80 ng/ul
RT: 21.62 min Scan# 3112
Delta R.T. -0.00 min
Lab File: BG026162.D
Acq: 9 Mar 2017 23:13

Tgt Ion:228 Resp: 168127

Ion	Ratio	Lower	Upper
228	100		
229	20.2	15.9	23.9
226	28.1	22.1	33.1



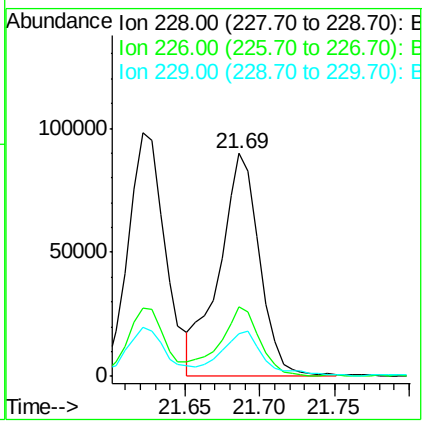


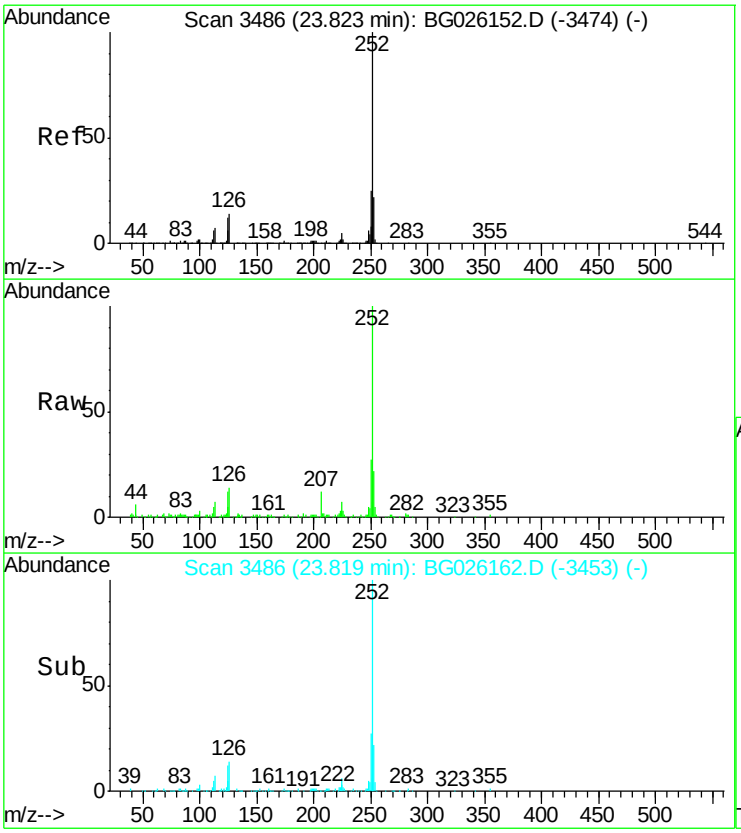
#22
Chrysene
Concen: 4.08 ng/ul
RT: 21.69 min Scan# 3123
Delta R.T. -0.00 min
Lab File: BG026162.D
Acq: 9 Mar 2017 23:13

Instrument :
BNA_G
ClientSampleId :
C0AJ7

Tgt Ion:228 Resp: 168202

Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.0	37.6
229	18.9	16.6	25.0

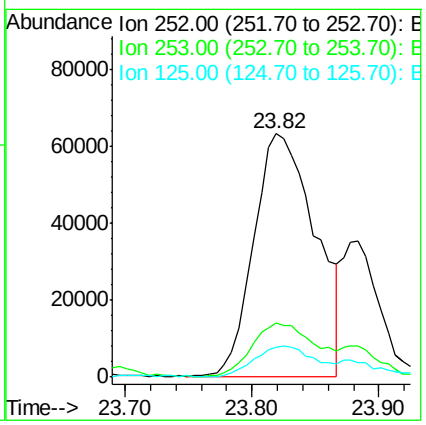


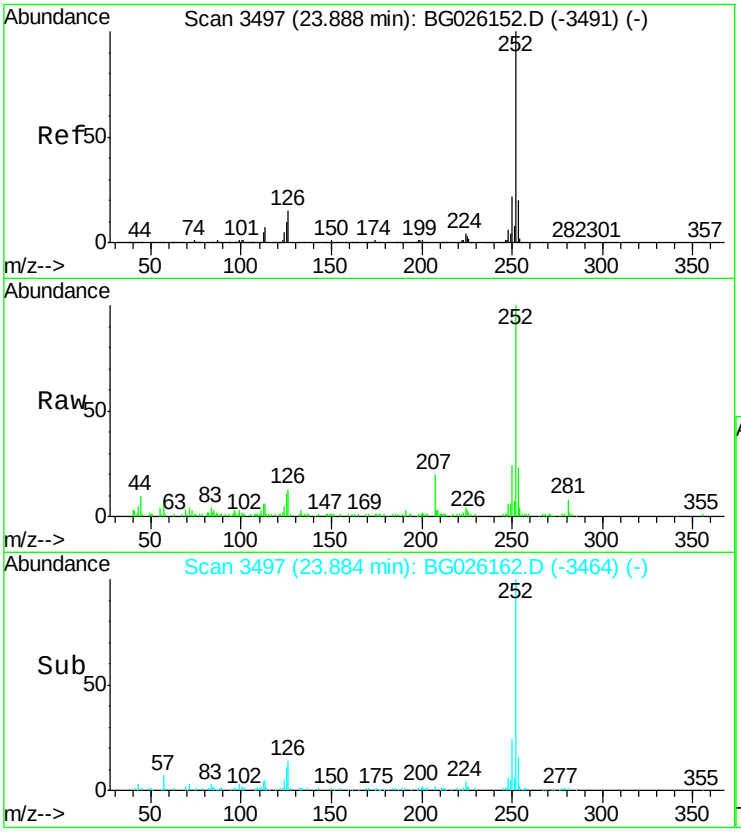


#24
Benzo(b)fluoranthene
Concen: 4.93 ng/ul
RT: 23.82 min Scan# 3486
Delta R.T. -0.00 min
Lab File: BG026162.D
Acq: 9 Mar 2017 23:13

Tgt Ion:252 Resp: 214513

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	12.3	9.4	14.0



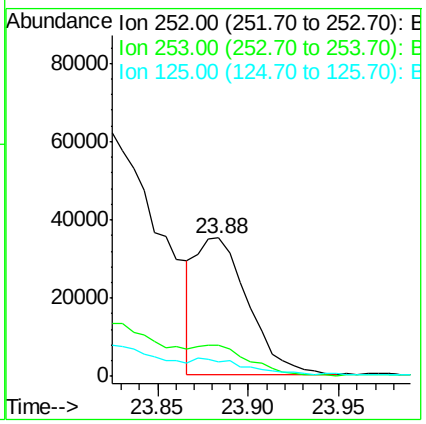


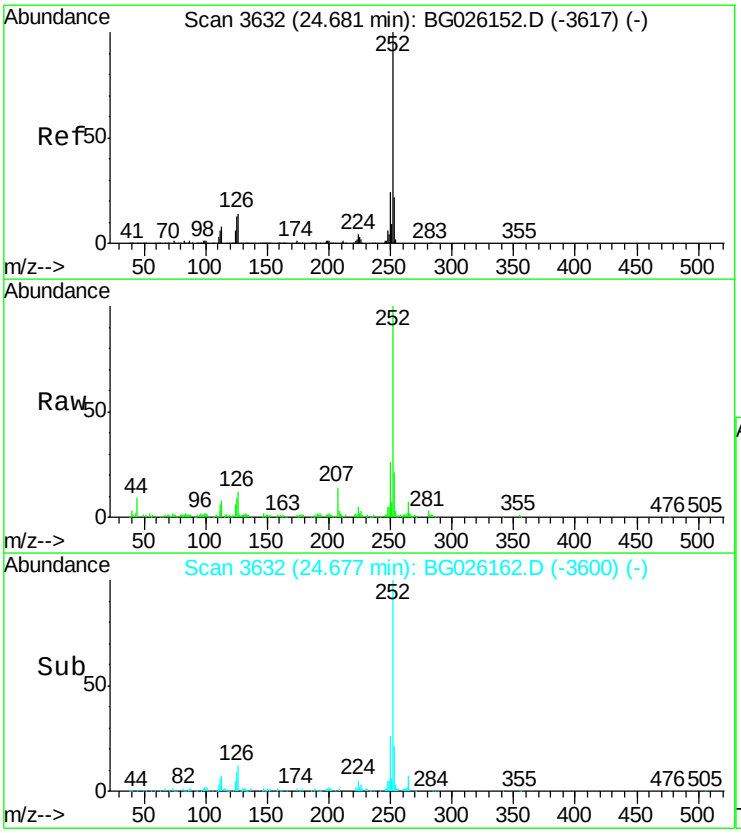
#25
Benzo(k)fluoranthene
Concen: 1.68 ng/ul
RT: 23.88 min Scan# 3497
Delta R.T. -0.00 min
Lab File: BG026162.D
Acq: 9 Mar 2017 23:13

Instrument :
BNA_G
ClientSampleId :
C0AJ7

Tgt Ion:252 Resp: 69787

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.2
125	10.6	8.8	13.2

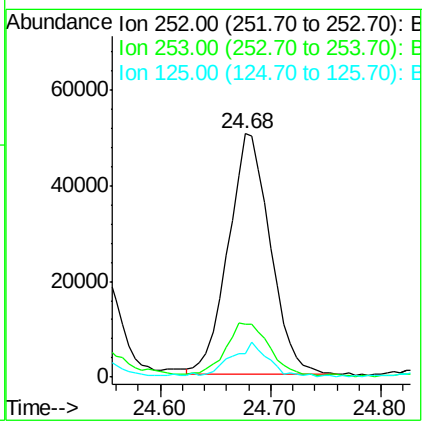


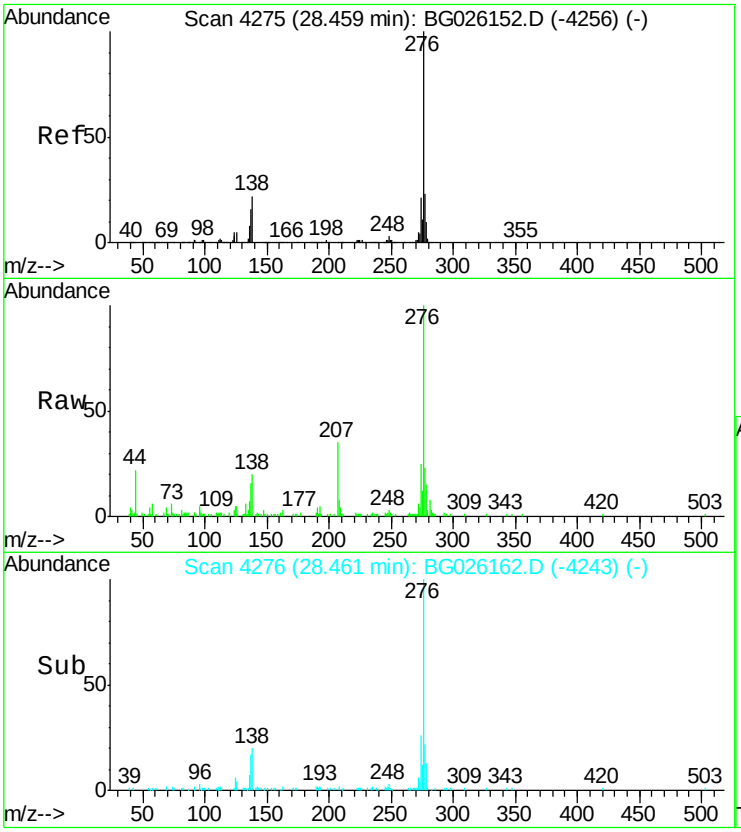


#27
Benzo(a)pyrene
Concen: 3.30 ng/ul
RT: 24.68 min Scan# 3632
Delta R.T. -0.01 min
Lab File: BG026162.D
Acq: 9 Mar 2017 23:13

Tgt Ion:252 Resp: 133253

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.1	25.7
125	9.5	9.4	14.2



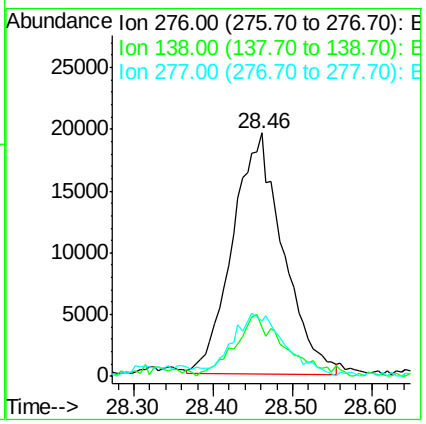


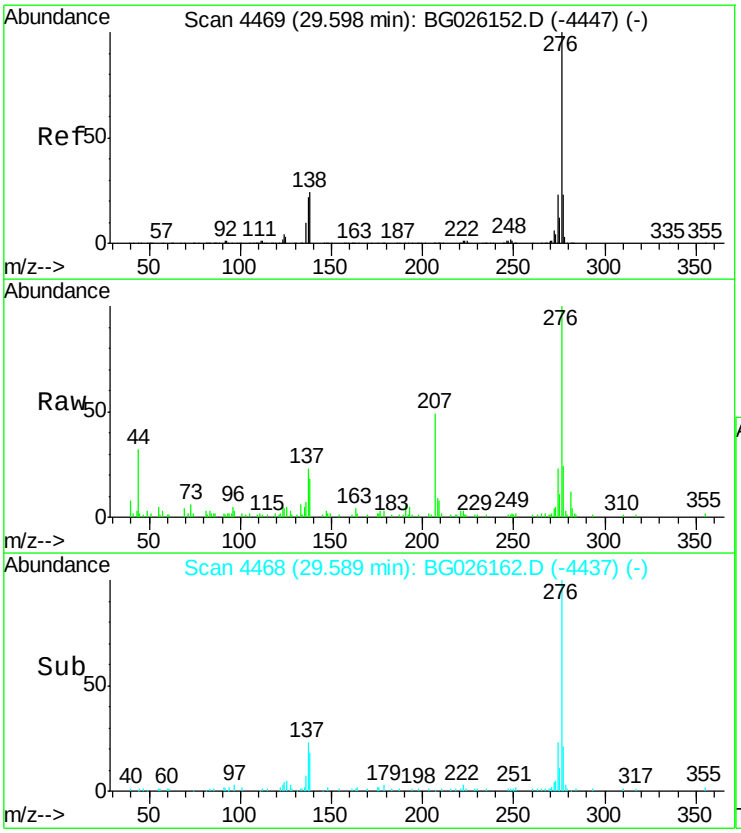
#28
Indeno(1,2,3-cd)pyrene
Concen: 1.93 ng/ul
RT: 28.46 min Scan# 4276
Delta R.T. -0.00 min
Lab File: BG026162.D
Acq: 9 Mar 2017 23:13

Instrument :
BNA_G
ClientSampleId :
C0AJ7

Tgt Ion:276 Resp: 86305

Ion	Ratio	Lower	Upper
276	100		
138	20.1	17.8	26.6
277	22.6	19.4	29.0





#30
Benzo(g,h,i)perylene
Concen: 1.82 ng/ul
RT: 29.59 min Scan# 4468
Delta R.T. -0.02 min
Lab File: BG026162.D
Acq: 9 Mar 2017 23:13

Tgt Ion:276 Resp: 69506

Ion	Ratio	Lower	Upper
276	100		
138	17.8	19.0	28.4#
277	23.6	19.7	29.5