

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 07:24:42 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG030317-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 15 07:23:43 2017
 Response via : Initial Calibration

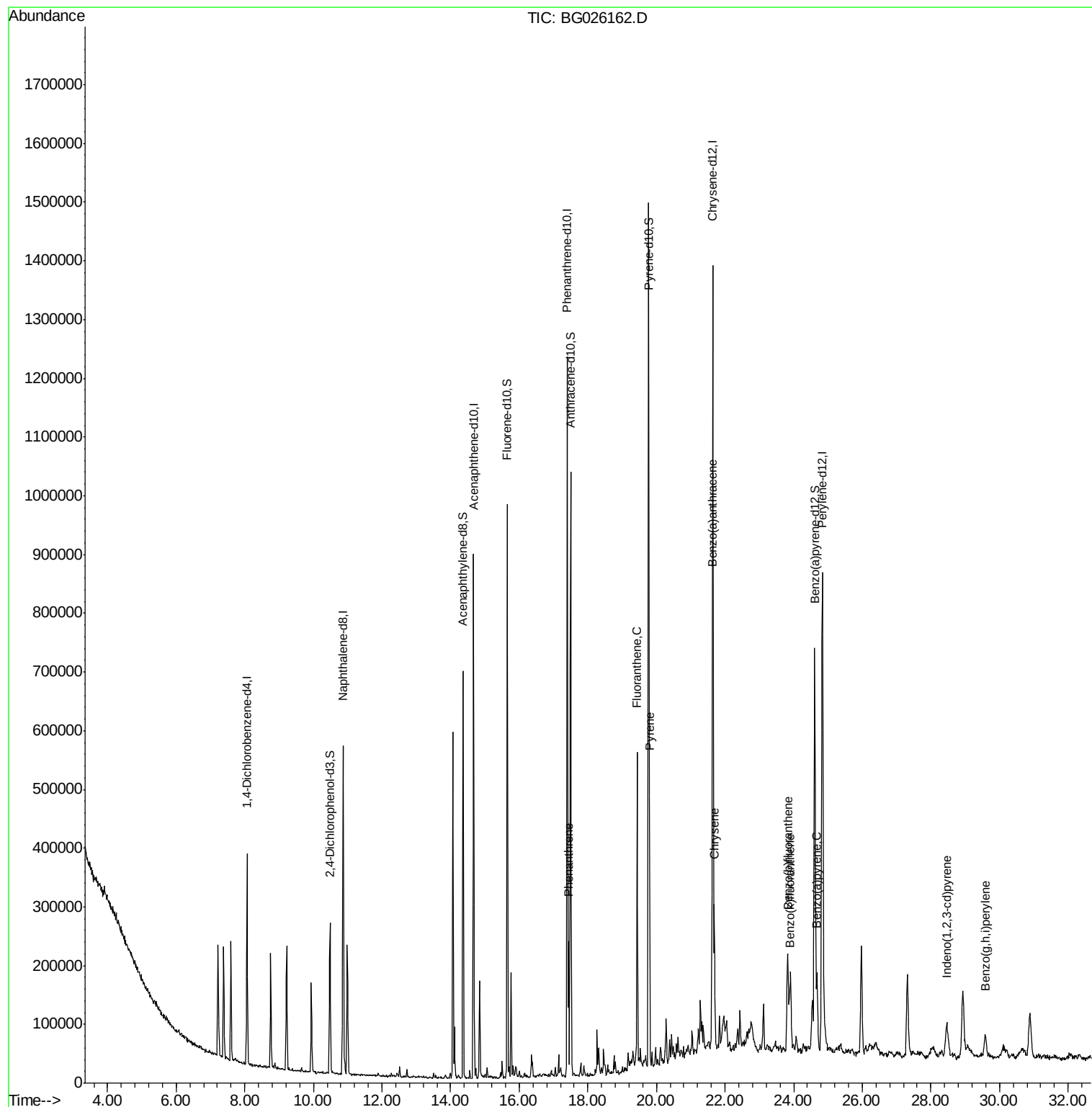
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	109318	20.00	ng/ul	0.00
2) Naphthalene-d8	10.86	136	504759	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.67	164	308363	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.40	188	767528	20.00	ng/ul	0.00
18) Chrysene-d12	21.65	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	1.92	ng/ul	96
30) Benzo(g,h,i)perylene	29.59	276	69506	1.81	ng/ul#	93

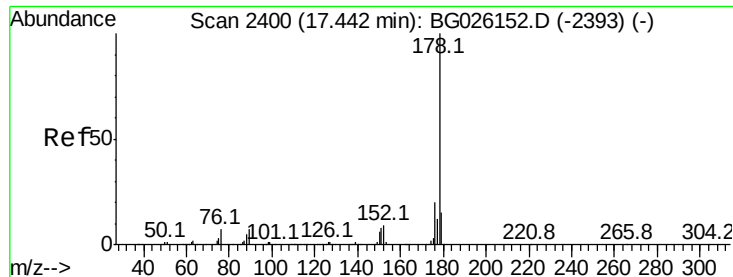
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

ClientSampled :

C0AJ7

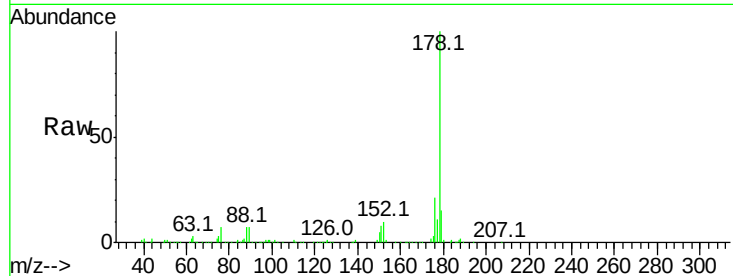
Tot Ion:178 Resp: 139617

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

178 100

179 15.1 12.2 18.4

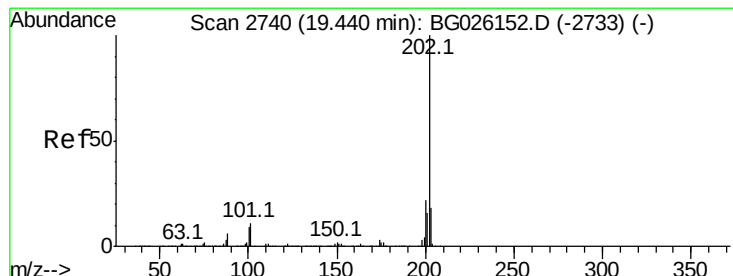
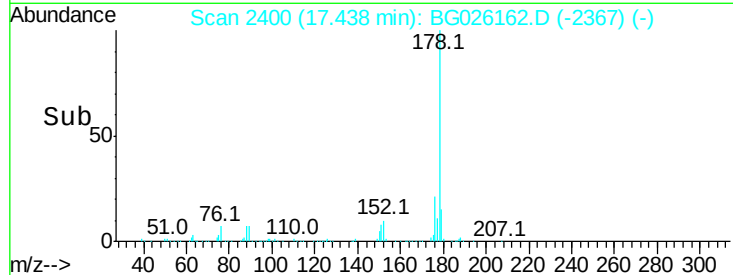
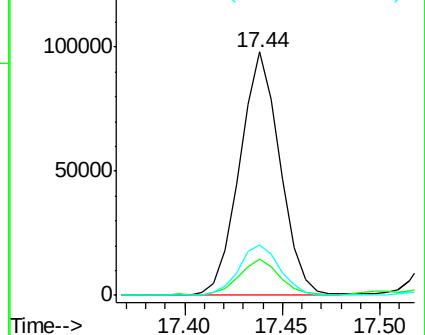
176 20.6 16.4 24.6



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



#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

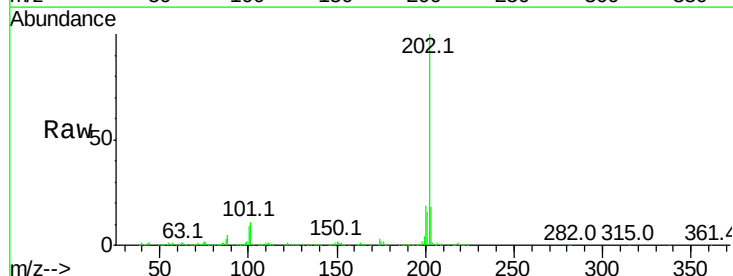
Tgt Ion:202 Resp: 316702

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

202 100

101 11.4 9.8 14.8

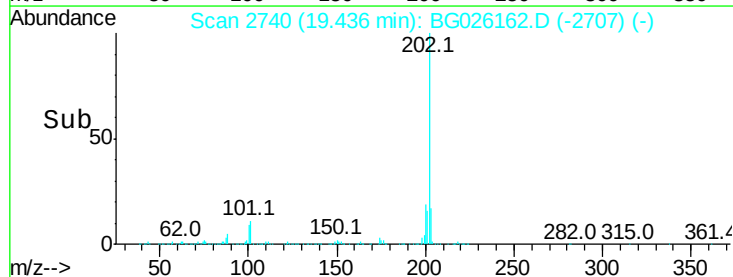
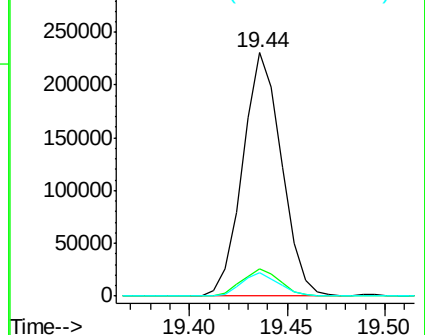
100 9.4 7.5 11.3

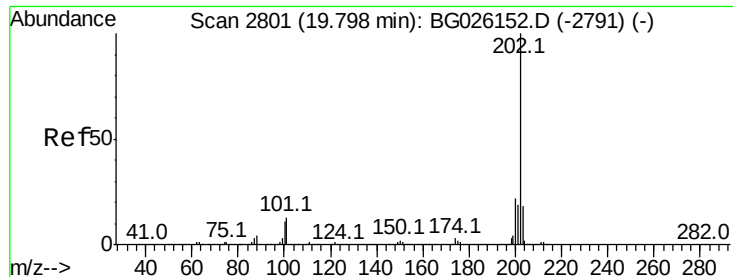


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

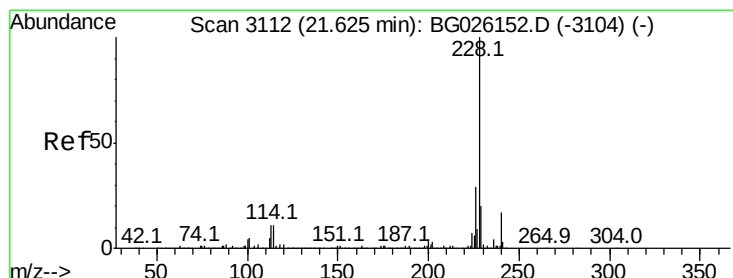
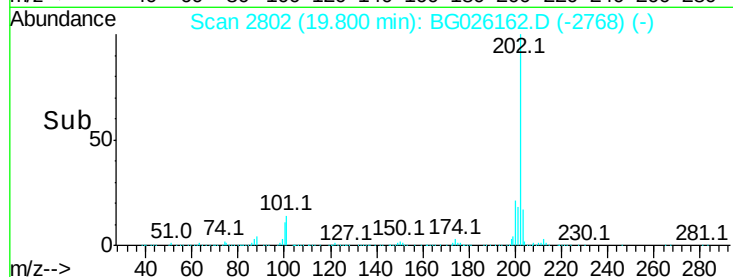
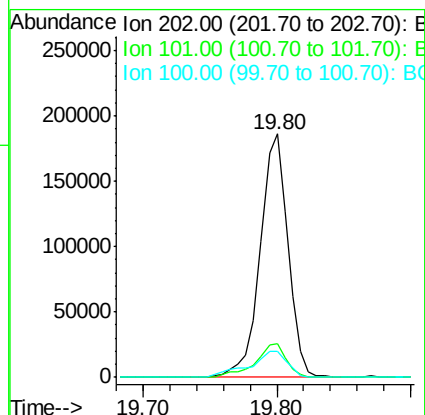
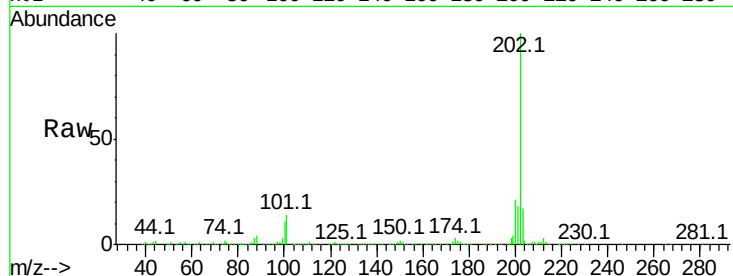




#20
Pvrene
Concen: 5.27 ng/ul
RT: 19.80 min Scan# 2802
Delta R.T. 0.00 min
Lab File: BG026162.D
Acq: 9 Mar 2017 23:13

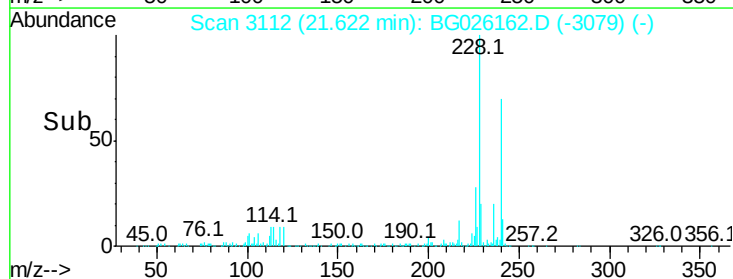
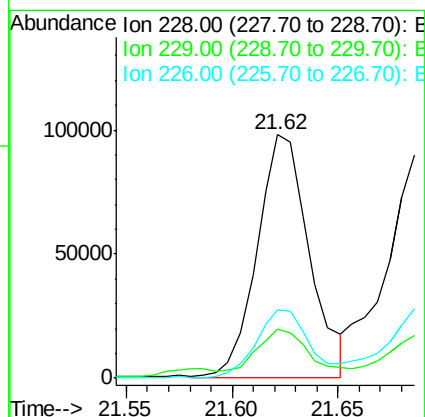
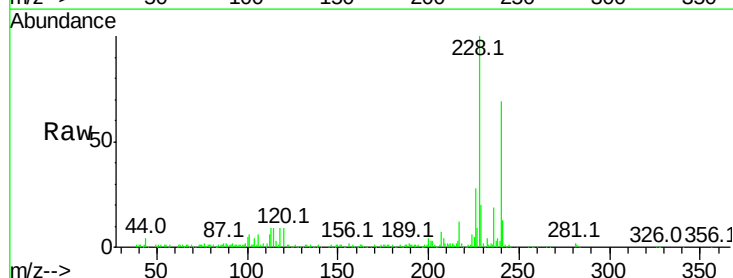
Instrument :
BNA_G
ClientSampleId :
C0AJ7

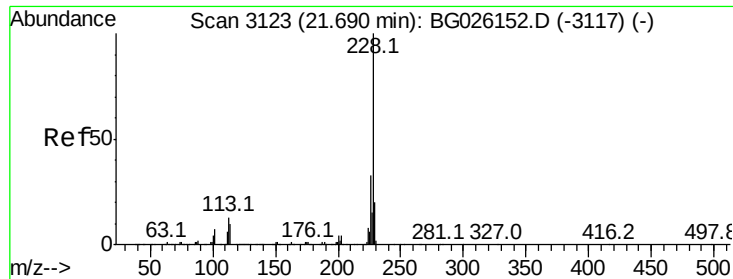
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.9	11.2	16.8
100	10.6	9.8	14.6



#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	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

ClientSampled :

C0AJ7

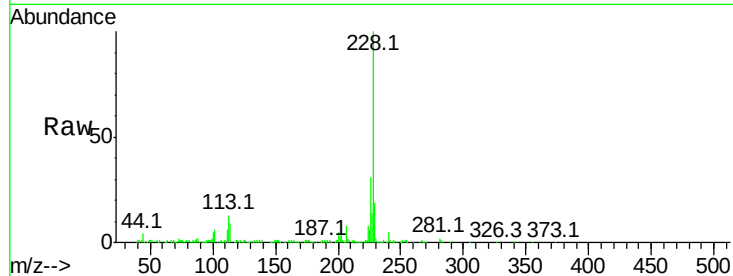
Tot Ion:228 Resp: 168202

Ion Ratio Lower Upper

228 100

226 31.2 25.0 37.6

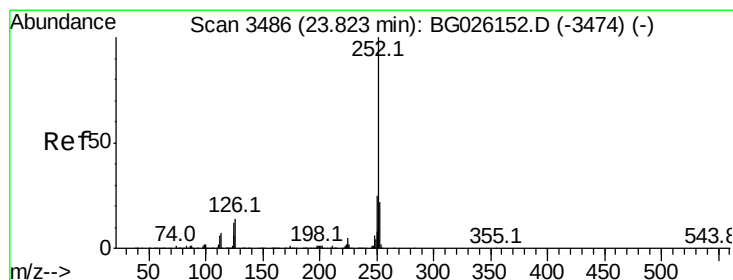
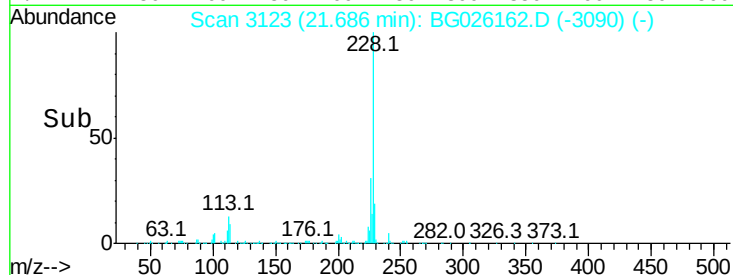
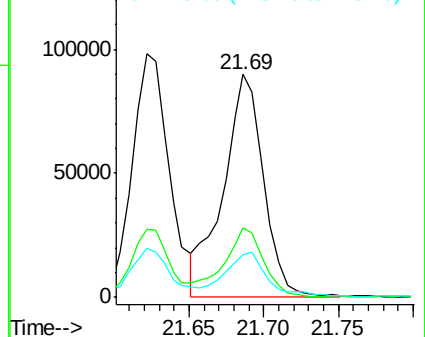
229 18.9 16.6 25.0



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



#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

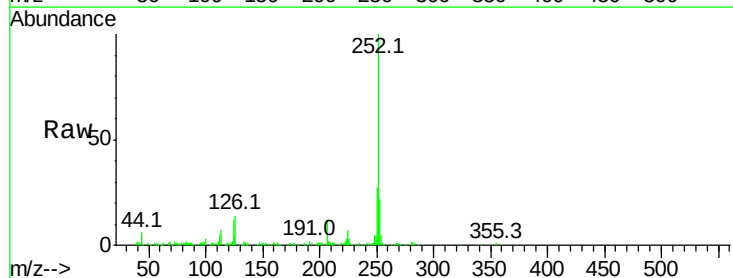
Tgt Ion:252 Resp: 214513

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

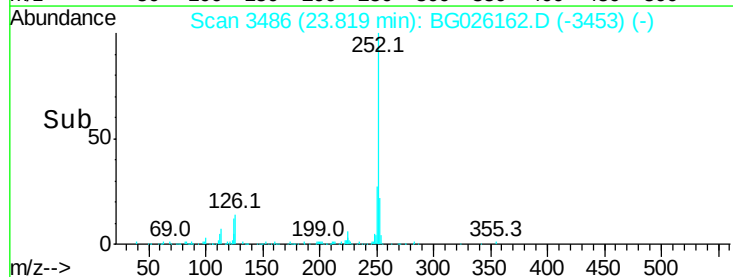
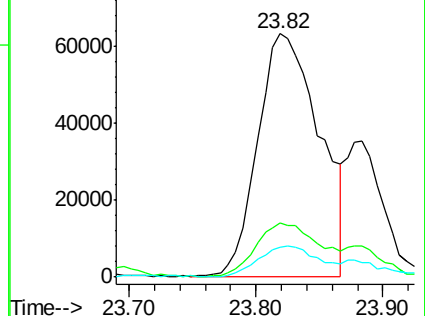
125 12.3 9.4 14.0

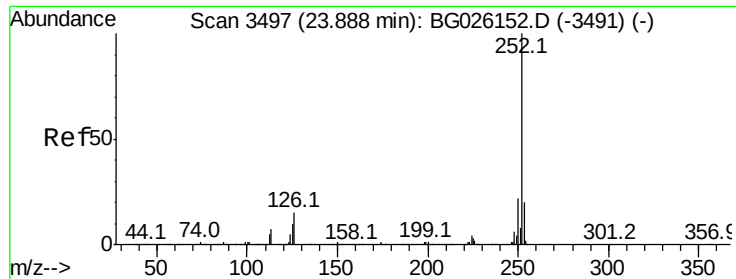


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#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

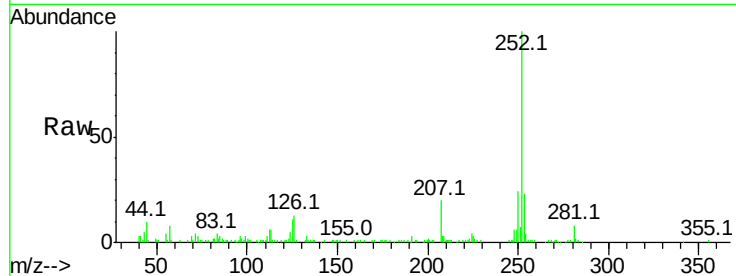
Tot Ion:252 Resp: 69787

Ion Ratio Lower Upper

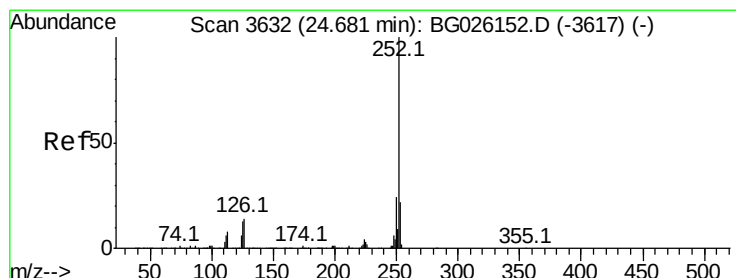
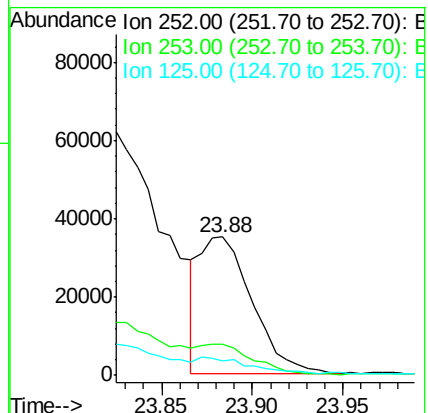
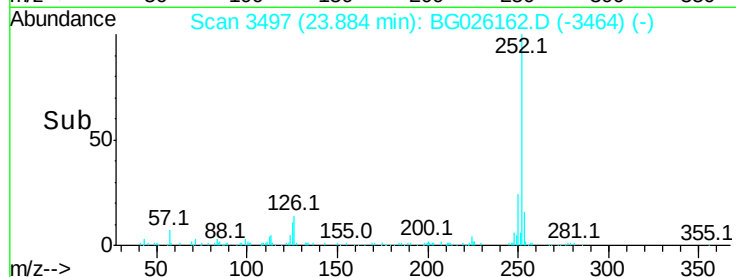
252 100

253 22.9 17.4 26.2

125 10.6 8.8 13.2



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



#27

Benzo(a)pyrene

Concen: 3.30 ng/ul

RT: 24.68 min Scan# 3632

Delta R.T. -0.00 min

Lab File: BG026162.D

Acq: 9 Mar 2017 23:13

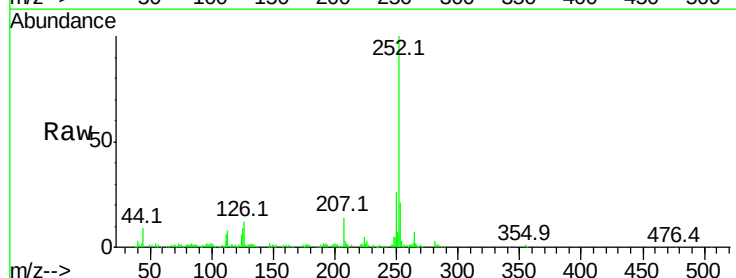
Tgt Ion:252 Resp: 133253

Ion Ratio Lower Upper

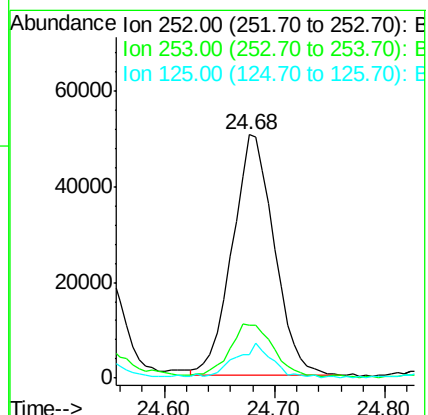
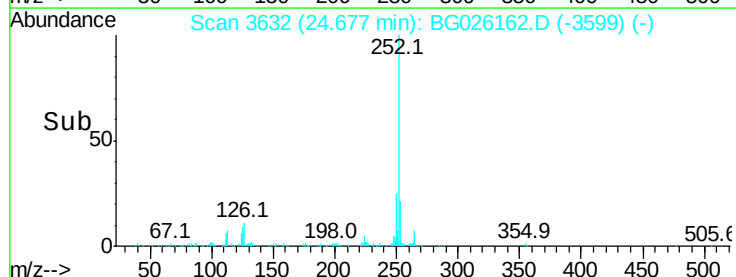
252 100

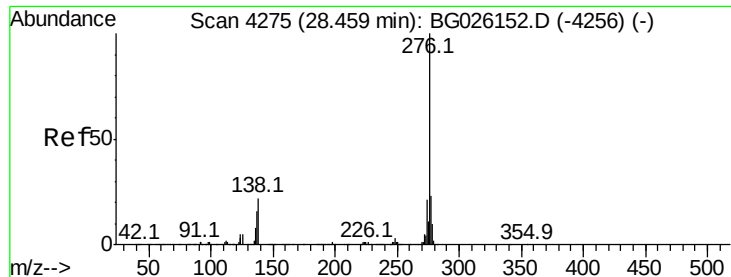
253 21.5 17.1 25.7

125 9.5 9.4 14.2



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

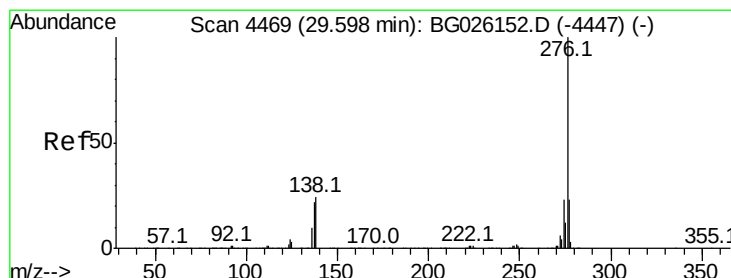
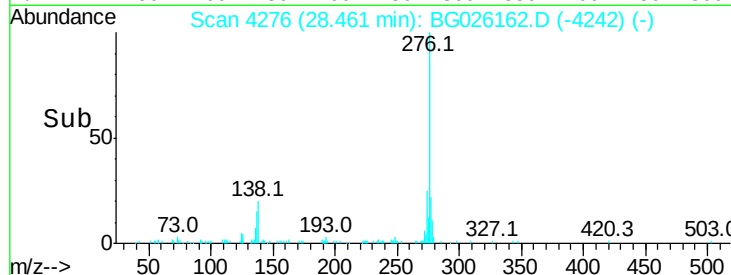
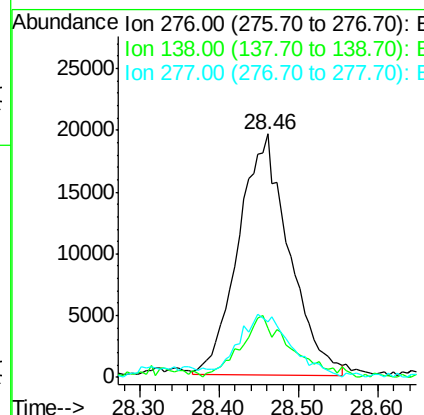
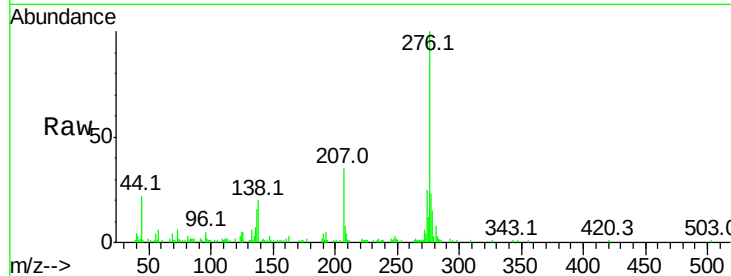




#28
 Indeno(1,2,3-cd)pyrene
 Concen: 1.92 ng/ul
 RT: 28.46 min Scan# 4276
 Delta R.T. 0.00 min
 Lab File: BG026162.D
 Acq: 9 Mar 2017 23:13

Instrument :
 BNA_G
 ClientSampleId :
 C0AJ7

Tot 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: 1.81 ng/ul
 RT: 29.59 min Scan# 4468
 Delta R.T. -0.01 min
 Lab File: BG026162.D
 Acq: 9 Mar 2017 23:13

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

