

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031317\
 Data File : BG026220.D
 Acq On : 13 Mar 2017 20:28
 Operator : SJ/MA
 Sample : I2217-19
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 15 05:55:18 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG030317-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 15 05:51:09 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	77806	20.00	ng/ul	0.00
2) Naphthalene-d8	10.85	136	378760	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.66	164	234345	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.39	188	563770	20.00	ng/ul	0.00
18) Chrysene-d12	21.63	240	575479	20.00	ng/ul	0.00
23) Perylene-d12	24.82	264	549219	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2,4-Dichlorophenol-d3	10.47	165	95212	16.97	ng/uL	0.00
7) Acenaphthylene-d8	14.35	160	560253	28.04	ng/ul	0.00
10) Fluorene-d10	15.65	176	409744	28.11	ng/ul	0.00
15) Anthracene-d10	17.49	188	615194	24.55	ng/ul	0.00
19) Pyrene-d10	19.77	212	662934	22.58	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.60	264	610174	25.76	ng/ul	0.00

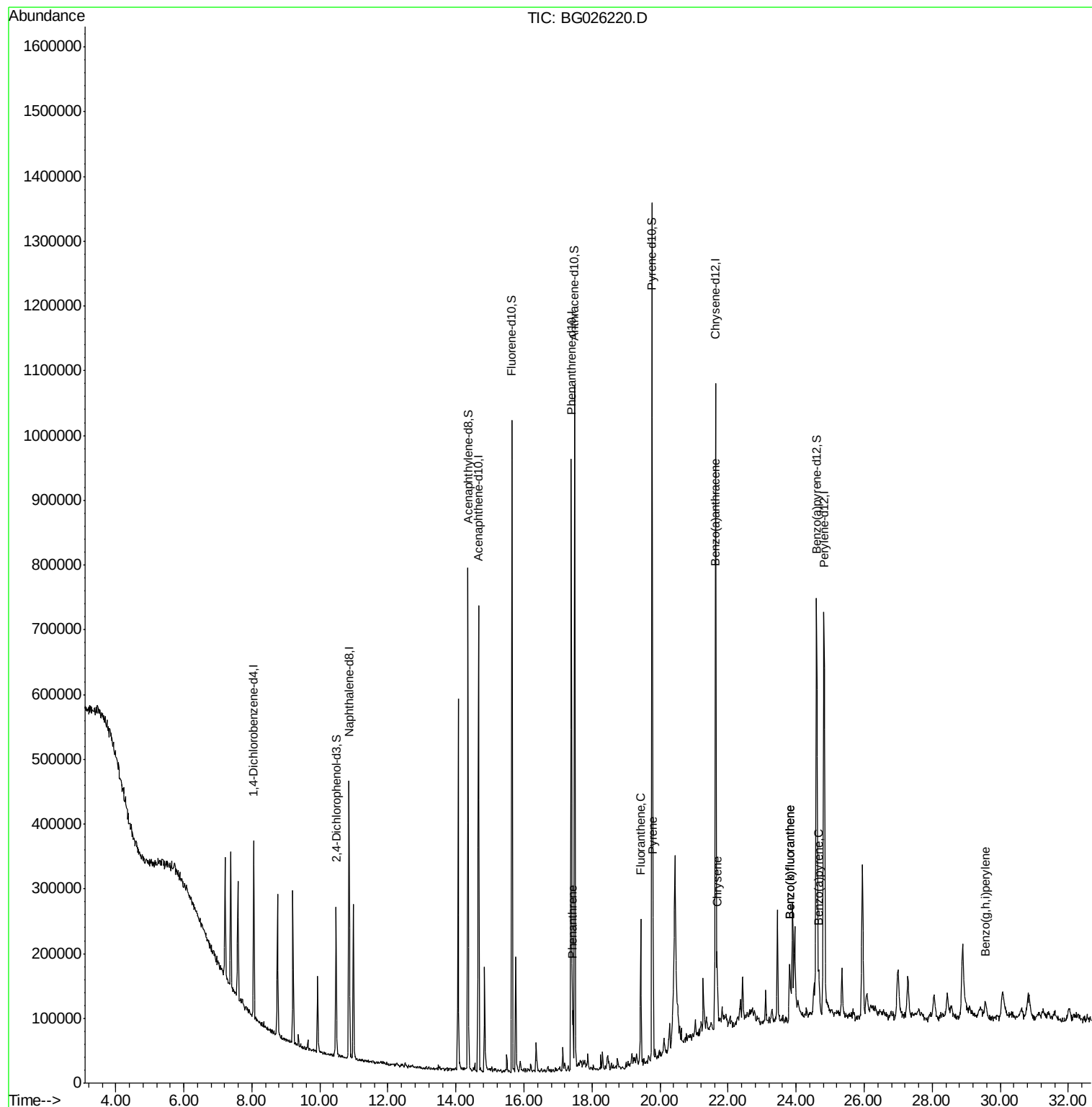
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Phenanthrene	17.43	178	58868	1.97	ng/ul	97
17) Fluoranthene	19.43	202	130679	4.21	ng/ul	97
20) Pyrene	19.80	202	129329	3.53	ng/ul	97
21) Benzo(a)anthracene	21.62	228	77420	2.42	ng/ul	99
22) Chrysene	21.68	228	72562	2.43	ng/ul	97
24) Benzo(b)fluoranthene	23.81	252	103314	3.31	ng/ul	100
25) Benzo(k)fluoranthene	23.81	252	103314	3.47	ng/ul	99
27) Benzo(a)pyrene	24.67	252	60013	2.07	ng/ul	98
30) Benzo(g,h,i)perylene	29.55	276	29208	1.06	ng/ul	95

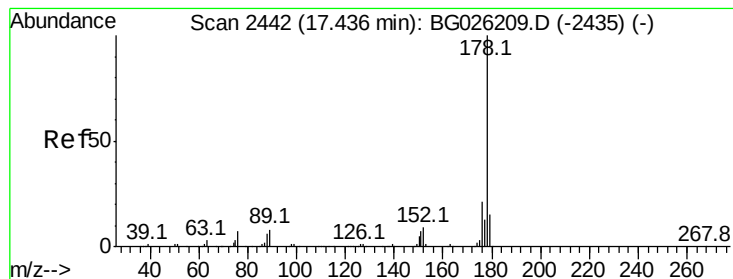
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#14

Phenanthrene

Concen: 1.97 ng/ul

RT: 17.43 min Scan# 2441

Delta R.T. -0.00 min

Lab File: BG026220.D

Acq: 13 Mar 2017 20:28

Instrument :

BNA_G

ClientSampled :

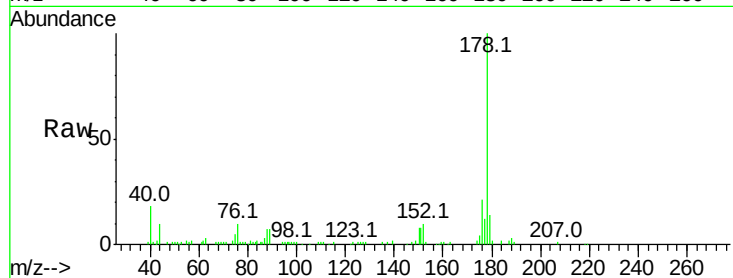
Tot Ion:178 Resp: 58868

Ion Ratio Lower Upper

178 100

179 13.7 12.2 18.4

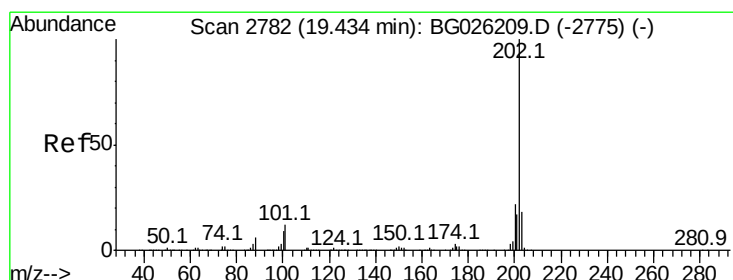
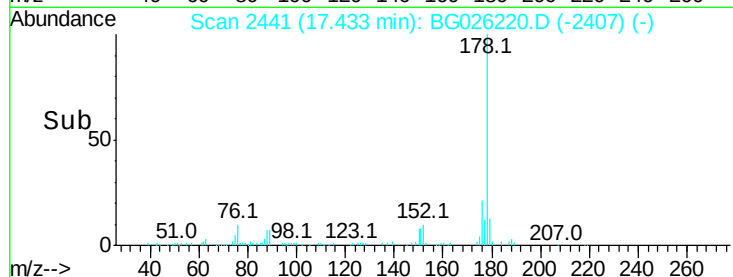
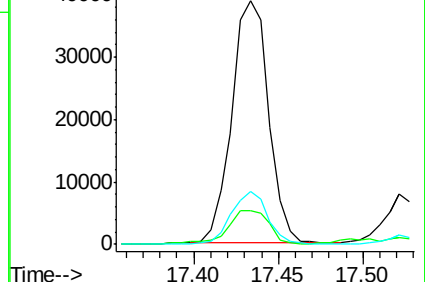
176 21.5 16.4 24.6



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: 4.21 ng/ul

RT: 19.43 min Scan# 2781

Delta R.T. -0.00 min

Lab File: BG026220.D

Acq: 13 Mar 2017 20:28

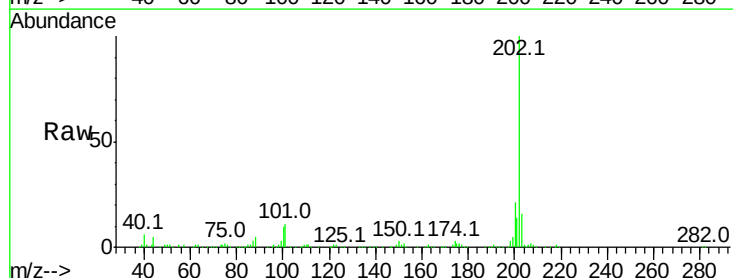
Tgt Ion:202 Resp: 130679

Ion Ratio Lower Upper

202 100

101 10.7 9.8 14.8

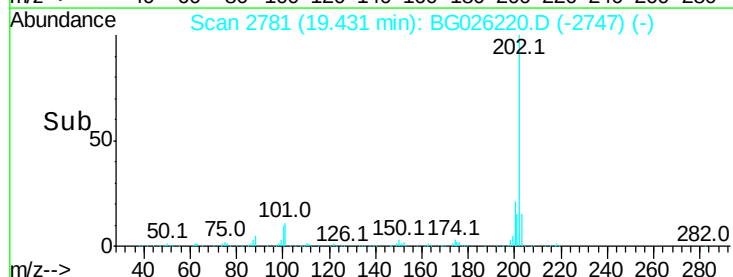
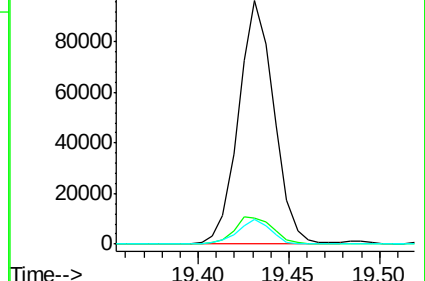
100 10.4 7.5 11.3

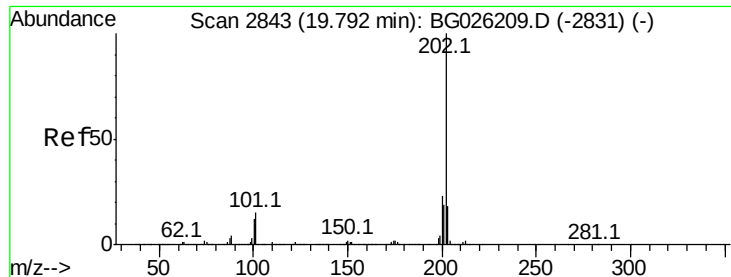


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

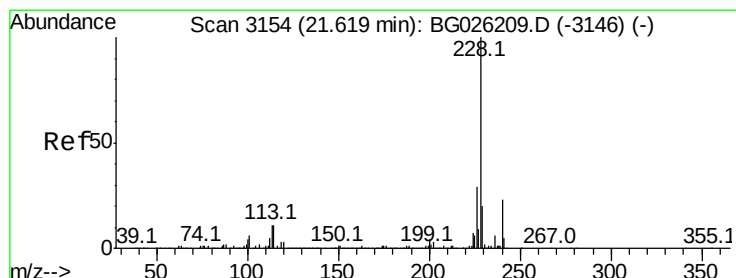
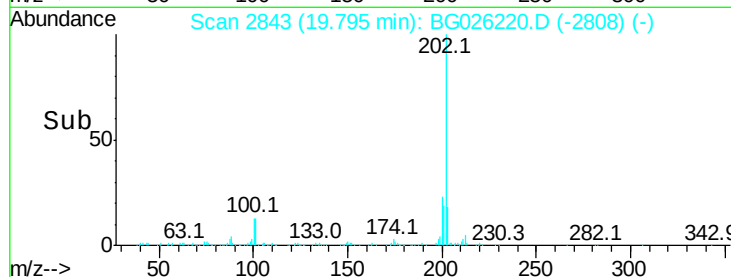
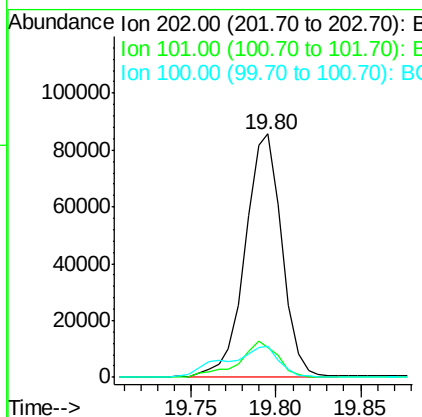
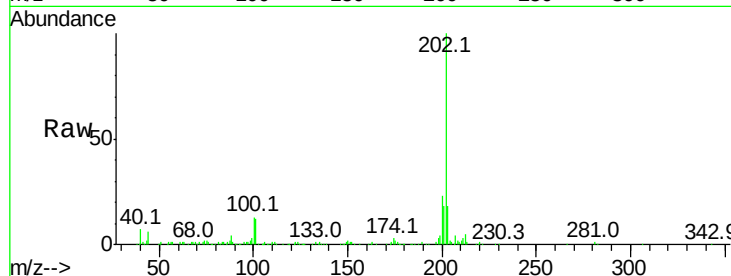




#20
 Pvrene
 Concen: 3.53 ng/ul
 RT: 19.80 min Scan# 2843
 Delta R.T. 0.00 min
 Lab File: BG026220.D
 Acq: 13 Mar 2017 20:28

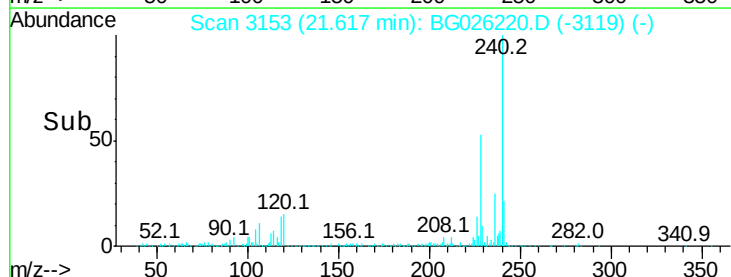
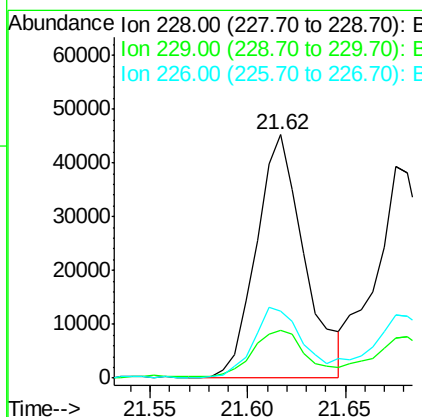
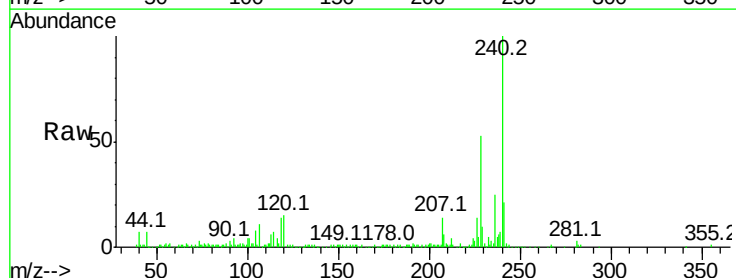
Instrument :
 BNA_G
 ClientSampleId :

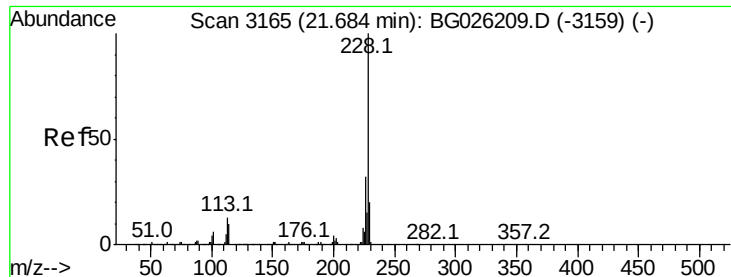
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.3	11.2	16.8
100	12.9	9.8	14.6



#21
 Benzo(a)anthracene
 Concen: 2.42 ng/ul
 RT: 21.62 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: BG026220.D
 Acq: 13 Mar 2017 20:28

Tgt Ion	Ratio	Lower	Upper
228	100		
229	19.6	15.9	23.9
226	27.2	22.1	33.1





#22

Chrysene

Concen: 2.43 ng/ul

RT: 21.68 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BG026220.D

Acq: 13 Mar 2017 20:28

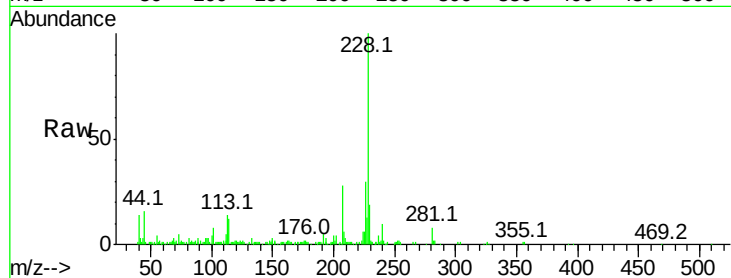
Instrument :

BNA_G

ClientSampled :

Tot Ion:228 Resp: 72562

Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.0	37.6
229	19.3	16.6	25.0

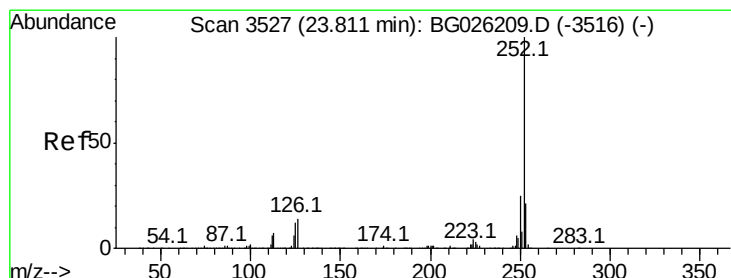
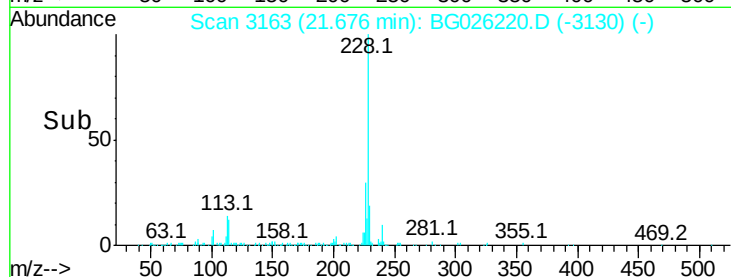
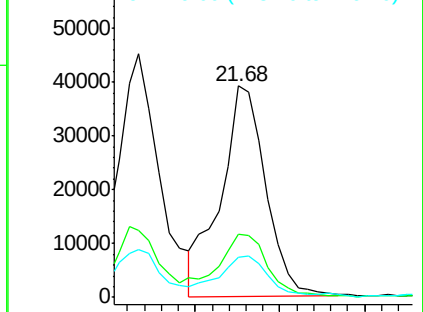


Abundance

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: 3.31 ng/ul

RT: 23.81 min Scan# 3527

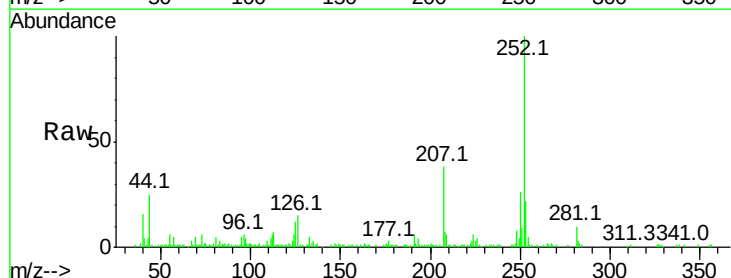
Delta R.T. 0.00 min

Lab File: BG026220.D

Acq: 13 Mar 2017 20:28

Tgt Ion:252 Resp: 103314

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.6
125	12.0	9.4	14.0

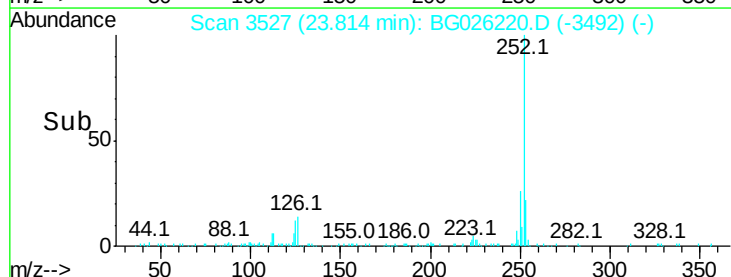
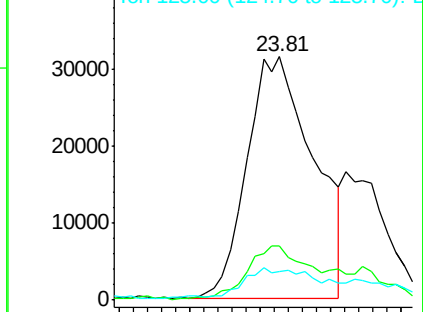


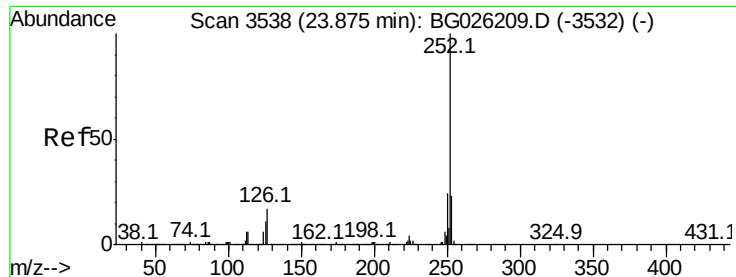
Abundance

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: 3.47 ng/ul

RT: 23.81 min Scan# 3527

Delta R.T. -0.06 min

Lab File: BG026220.D

Acq: 13 Mar 2017 20:28

Instrument :

BNA_G

ClientSampleId :

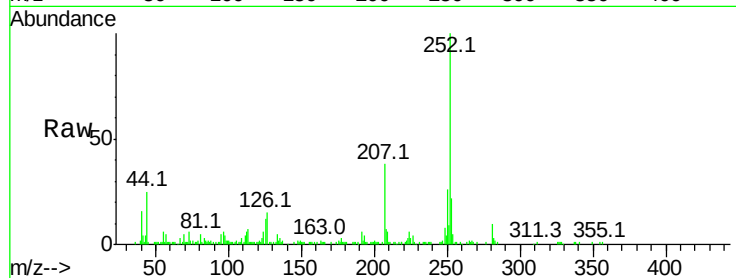
Tot Ion:252 Resp: 103314

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

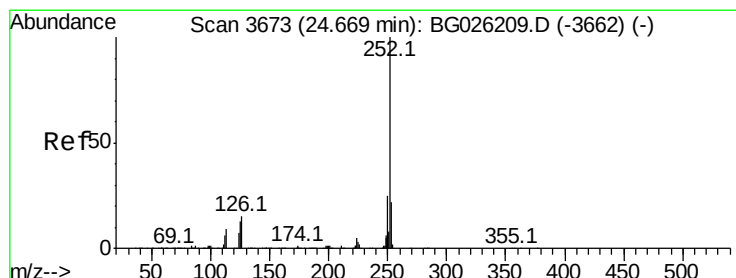
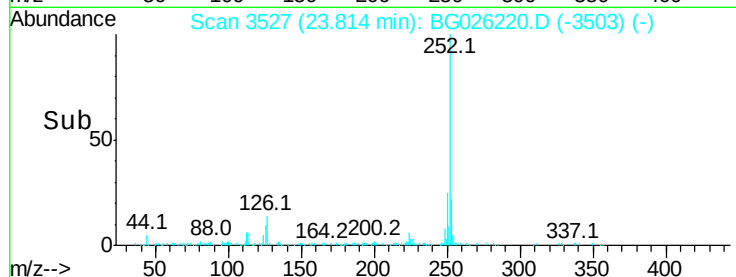
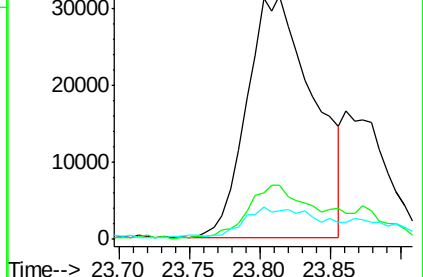
125 12.0 8.8 13.2



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: 2.07 ng/ul

RT: 24.67 min Scan# 3672

Delta R.T. -0.00 min

Lab File: BG026220.D

Acq: 13 Mar 2017 20:28

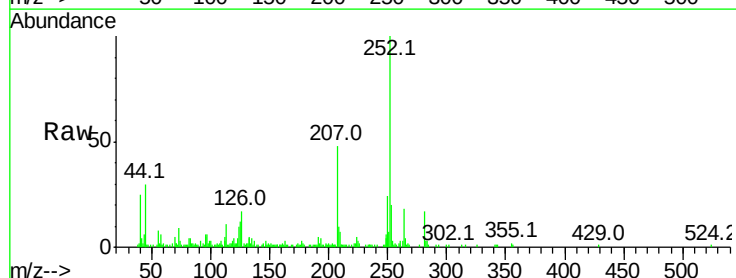
Tgt Ion:252 Resp: 60013

Ion Ratio Lower Upper

252 100

253 19.7 17.1 25.7

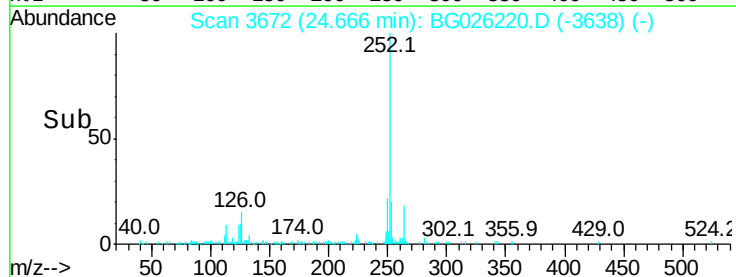
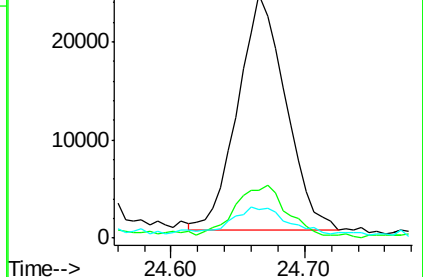
125 11.8 9.4 14.2

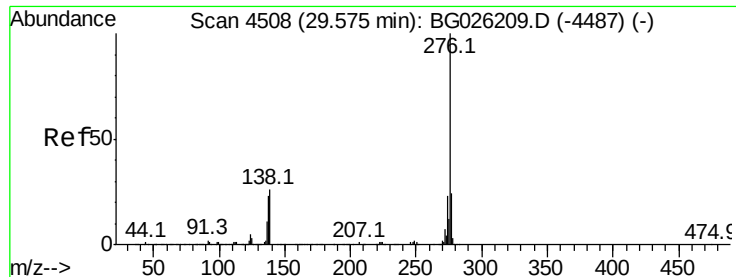


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#30

Benzo(a,h,i)perylene

Concen: 1.06 ng/ul

RT: 29.55 min Scan# 4504

Delta R.T. -0.02 min

Lab File: BG026220.D

Acq: 13 Mar 2017 20:28

Instrument :

BNA_G

ClientSampleId :

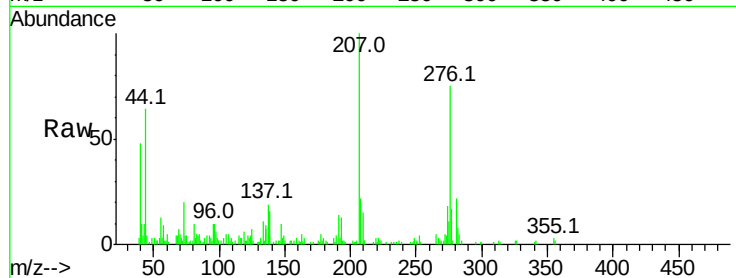
Tot Ion:276 Resp: 29208

Ion Ratio Lower Upper

276 100

138 26.6 19.0 28.4

277 22.7 19.7 29.5



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

