

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031317\
 Data File : BG026211.D
 Acq On : 13 Mar 2017 13:17
 Operator : SJ/MA
 Sample : I2217-06
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 15 05:53:59 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

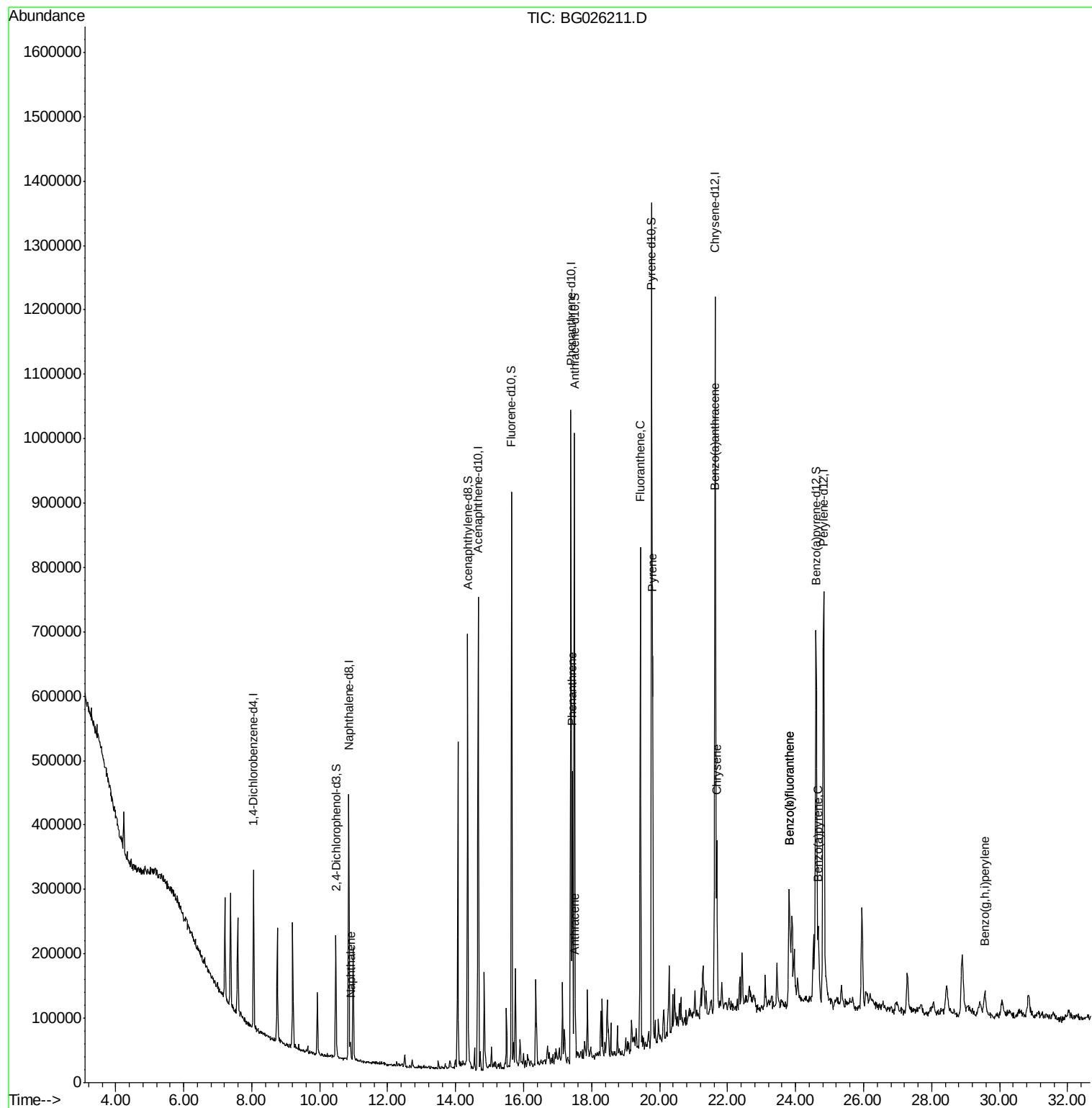
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	70614	20.00	ng/ul	0.00
2) Naphthalene-d8	10.85	136	366783	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.66	164	241253	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.39	188	591568	20.00	ng/ul	0.00
18) Chrysene-d12	21.63	240	619936	20.00	ng/ul	0.00
23) Perylene-d12	24.82	264	585924	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.47	165	83075	15.29	ng/uL	0.00
7) Acenaphthylene-d8	14.35	160	500628	24.34	ng/ul	0.00
10) Fluorene-d10	15.65	176	367811	24.51	ng/ul	0.00
15) Anthracene-d10	17.49	188	574887	21.87	ng/ul	0.00
19) Pyrene-d10	19.77	212	626834	19.82	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.60	264	563377	22.29	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.91	128	24857	1.39	ng/ul#	96
14) Phenanthrene	17.43	178	278462	8.88	ng/ul	98
16) Anthracene	17.52	178	45987	1.45	ng/ul	99
17) Fluoranthene	19.43	202	453008	13.92	ng/ul	98
20) Pyrene	19.80	202	382601	9.69	ng/ul	98
21) Benzo(a)anthracene	21.62	228	187836	5.44	ng/ul	96
22) Chrysene	21.68	228	177781	5.52	ng/ul	97
24) Benzo(b)fluoranthene	23.81	252	221555	6.66	ng/ul	98
25) Benzo(k)fluoranthene	23.81	252	221555	6.97	ng/ul	98
27) Benzo(a)pyrene	24.67	252	111828	3.62	ng/ul	97
30) Benzo(g,h,i)perylene	29.56	276	33678	1.15	ng/ul	96

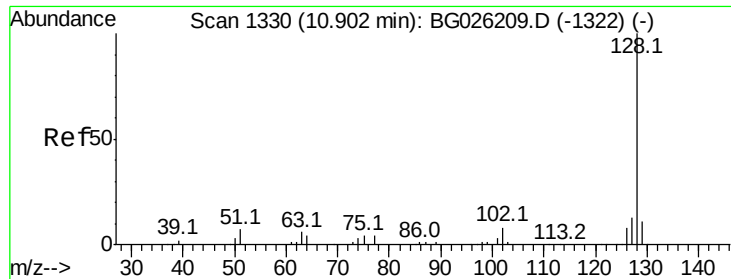
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 1.39 ng/ul

RT: 10.91 min Scan# 1330

Delta R.T. 0.00 min

Lab File: BG026211.D

Acq: 13 Mar 2017 13:17

Instrument :

BNA_G

ClientSampleId :

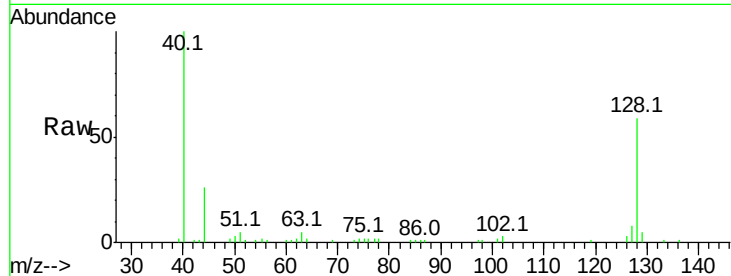
Tot Ion:128 Resp: 24857

Ion Ratio Lower Upper

128 100

129 8.5 9.1 13.7#

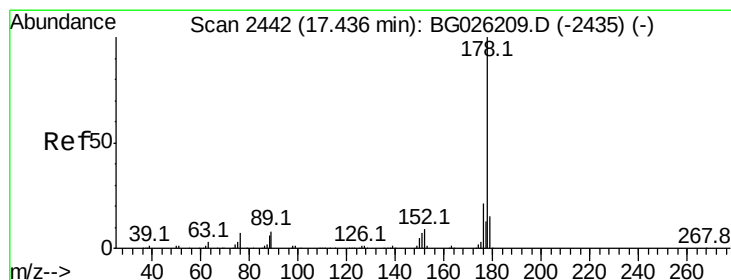
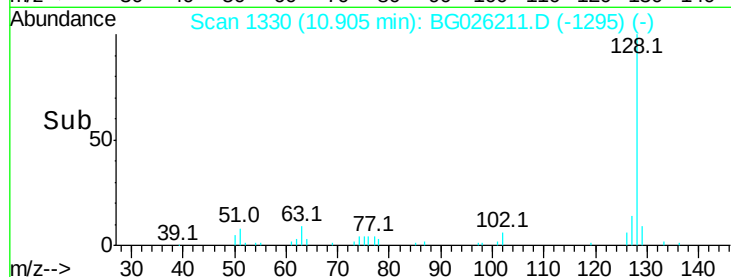
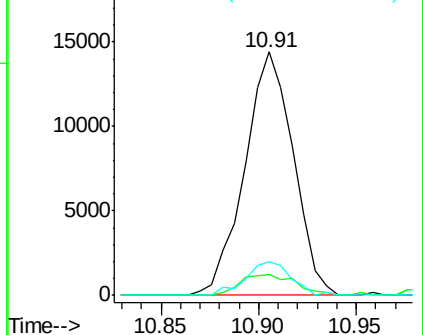
127 13.8 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#14

Phenanthrene

Concen: 8.88 ng/ul

RT: 17.43 min Scan# 2441

Delta R.T. -0.00 min

Lab File: BG026211.D

Acq: 13 Mar 2017 13:17

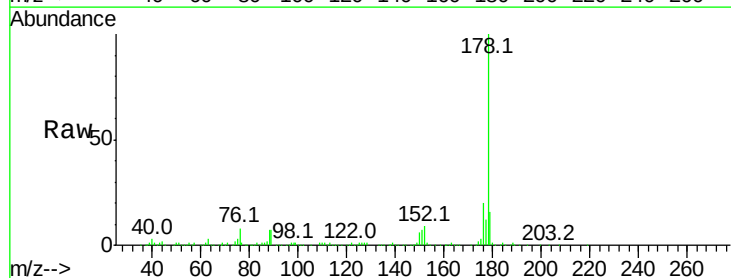
Tgt Ion:178 Resp: 278462

Ion Ratio Lower Upper

178 100

179 15.7 12.2 18.4

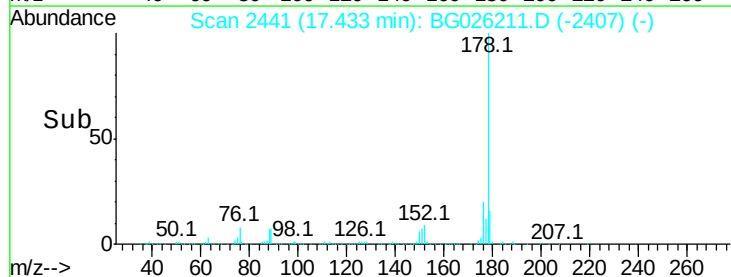
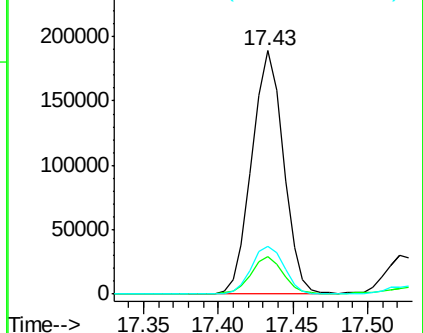
176 19.5 16.4 24.6

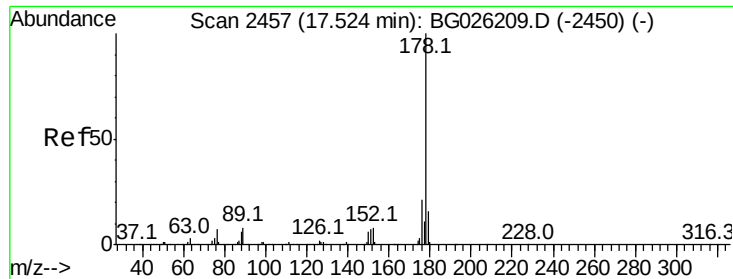


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Anthracene

Concen: 1.45 ng/ul

RT: 17.52 min Scan# 2456

Delta R.T. -0.00 min

Lab File: BG026211.D

Acq: 13 Mar 2017 13:17

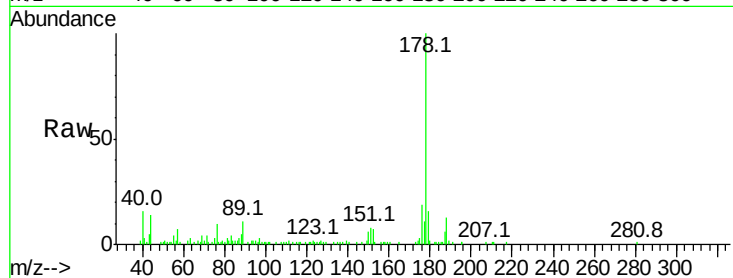
Instrument :

BNA_G

ClientSampleId :

Tot Ion:178 Resp: 45987

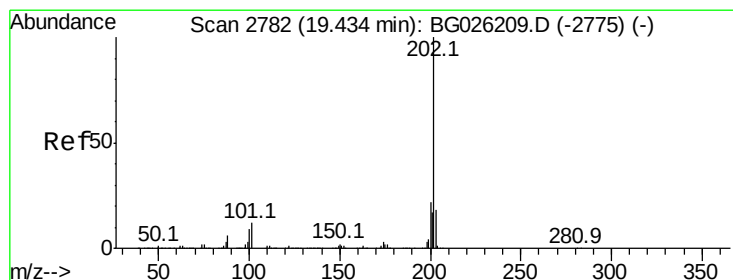
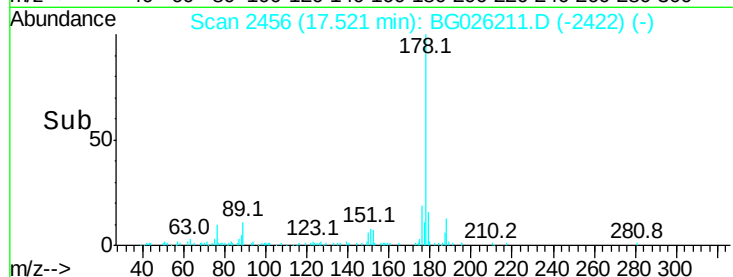
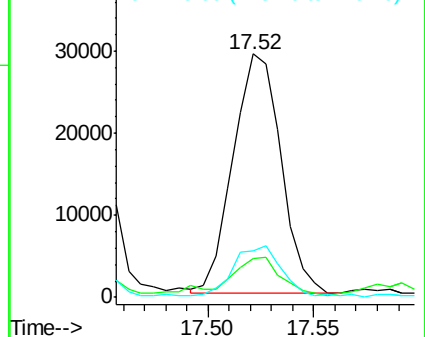
Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.7	19.1
176	19.1	15.8	23.8



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: 13.92 ng/ul

RT: 19.43 min Scan# 2781

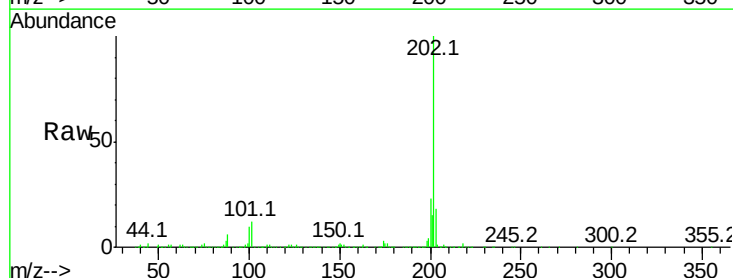
Delta R.T. -0.00 min

Lab File: BG026211.D

Acq: 13 Mar 2017 13:17

Tgt Ion:202 Resp: 453008

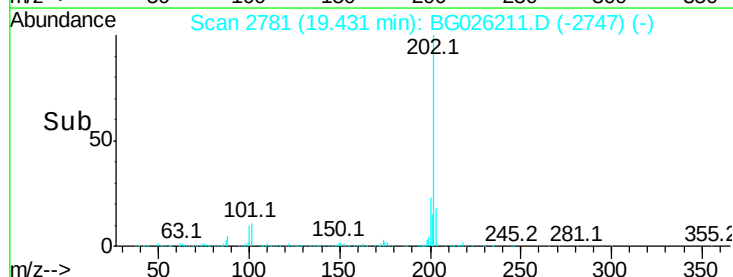
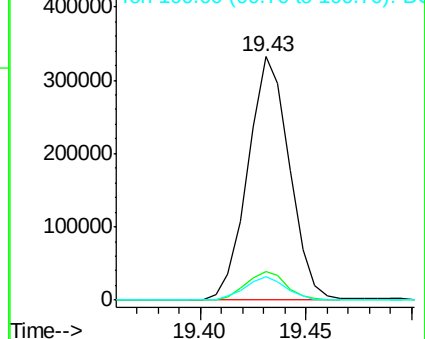
Ion	Ratio	Lower	Upper
202	100		
101	11.6	9.8	14.8
100	9.8	7.5	11.3

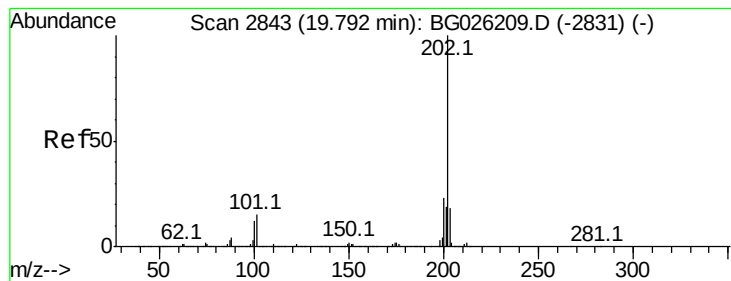


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Pvrene

Concen: 9.69 ng/ul

RT: 19.80 min Scan# 2843

Delta R.T. 0.00 min

Lab File: BG026211.D

Acq: 13 Mar 2017 13:17

Instrument :

BNA_G

ClientSampleId :

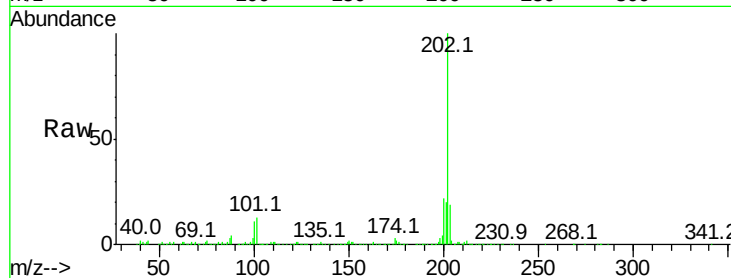
Tot Ion:202 Resp: 382601

Ion Ratio Lower Upper

202 100

101 13.5 11.2 16.8

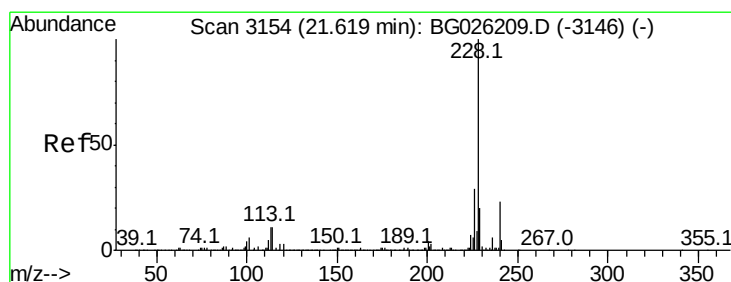
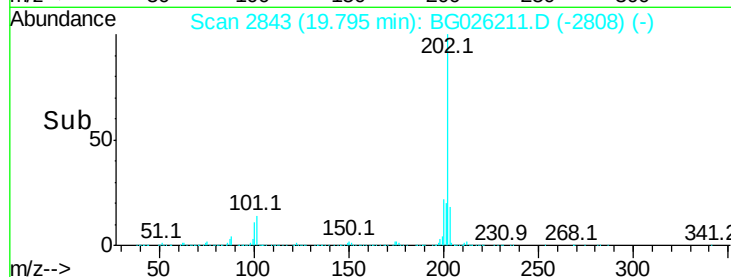
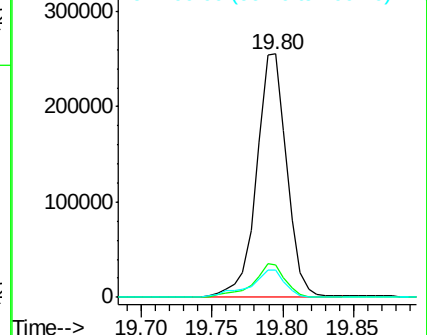
100 11.1 9.8 14.6



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



#21

Benzo(a)anthracene

Concen: 5.44 ng/ul

RT: 21.62 min Scan# 3153

Delta R.T. -0.00 min

Lab File: BG026211.D

Acq: 13 Mar 2017 13:17

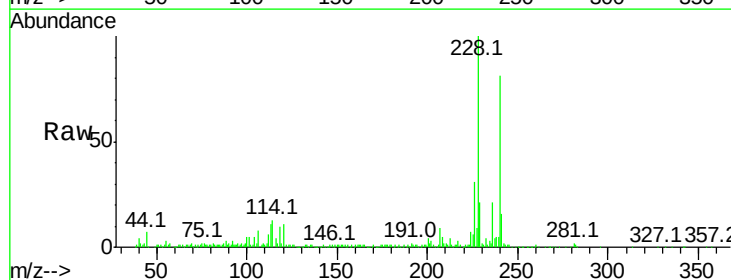
Tgt Ion:228 Resp: 187836

Ion Ratio Lower Upper

228 100

229 20.8 15.9 23.9

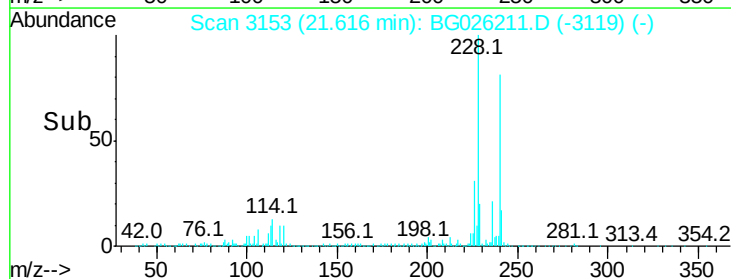
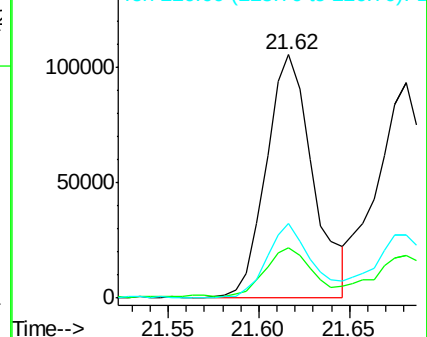
226 30.6 22.1 33.1

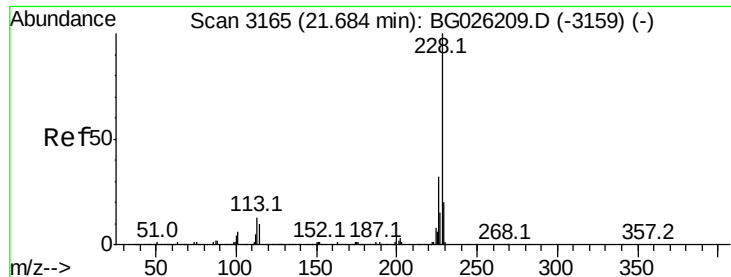


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#22

Chrysene

Concen: 5.52 ng/ul

RT: 21.68 min Scan# 3164

Delta R.T. -0.00 min

Lab File: BG026211.D

Acq: 13 Mar 2017 13:17

Instrument :

BNA_G

ClientSampleId :

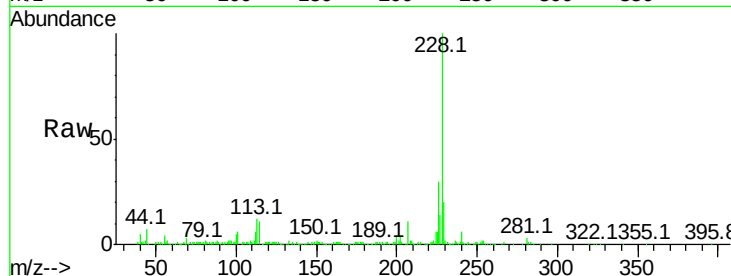
Tot Ion:228 Resp: 177781

Ion Ratio Lower Upper

228 100

226 29.6 25.0 37.6

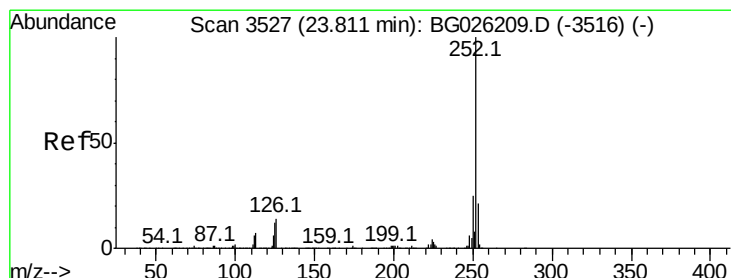
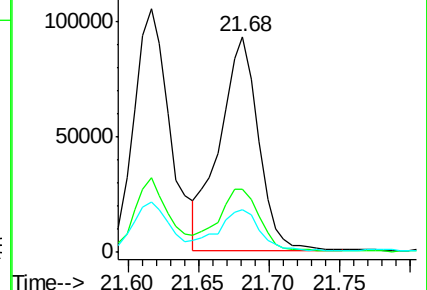
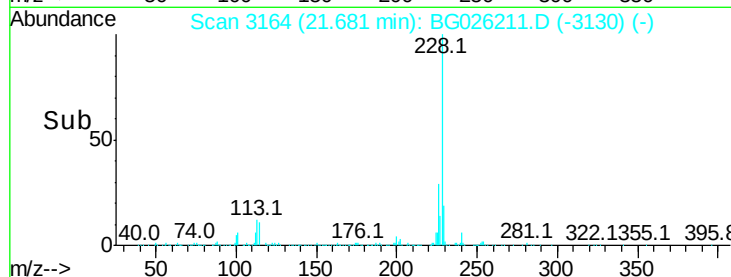
229 19.7 16.6 25.0



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: 6.66 ng/ul

RT: 23.81 min Scan# 3526

Delta R.T. -0.00 min

Lab File: BG026211.D

Acq: 13 Mar 2017 13:17

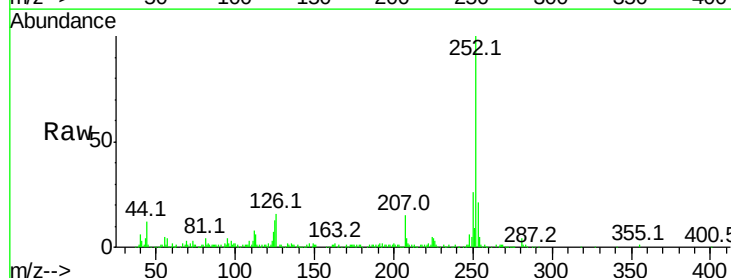
Tgt Ion:252 Resp: 221555

Ion Ratio Lower Upper

252 100

253 21.0 17.8 26.6

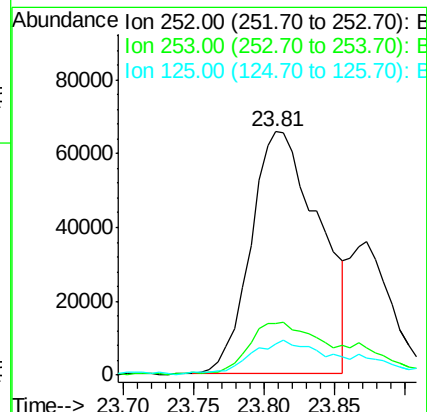
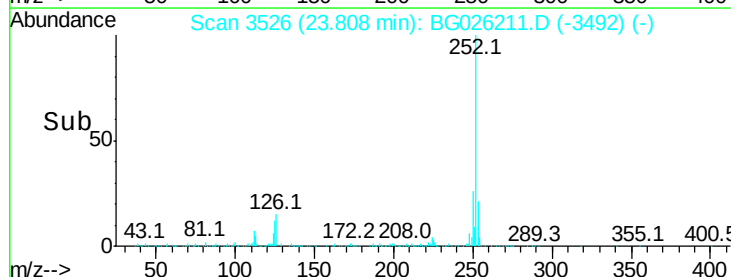
125 12.6 9.4 14.0

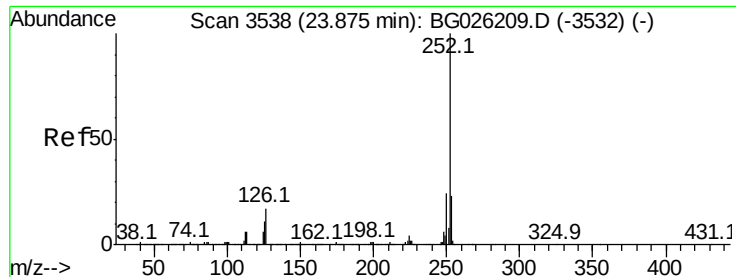


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(k)fluoranthene

Concen: 6.97 ng/ul

RT: 23.81 min Scan# 3526

Delta R.T. -0.07 min

Lab File: BG026211.D

Acq: 13 Mar 2017 13:17

Instrument :

BNA_G

ClientSampleId :

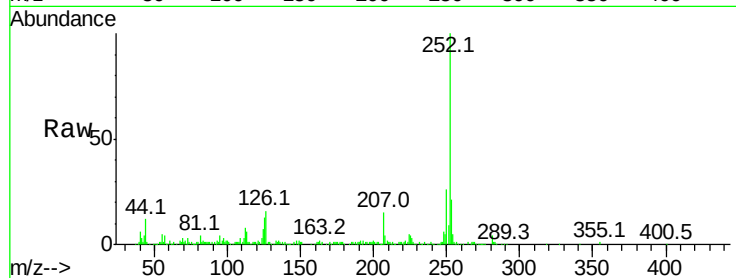
Tot Ion:252 Resp: 221555

Ion Ratio Lower Upper

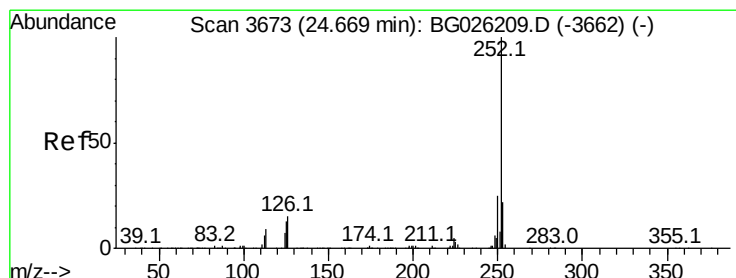
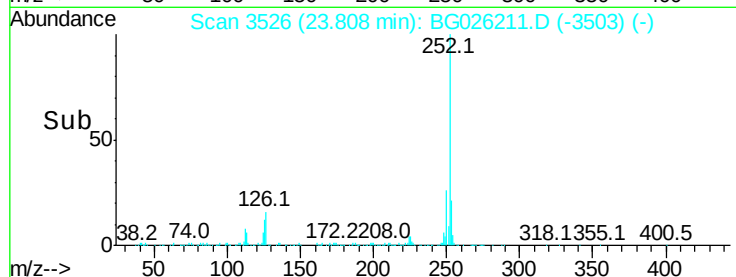
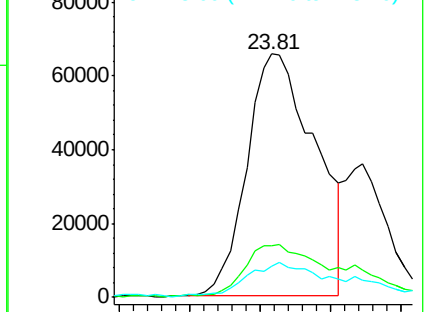
252 100

253 21.0 17.4 26.2

125 12.6 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: 3.62 ng/ul

RT: 24.67 min Scan# 3672

Delta R.T. -0.00 min

Lab File: BG026211.D

Acq: 13 Mar 2017 13:17

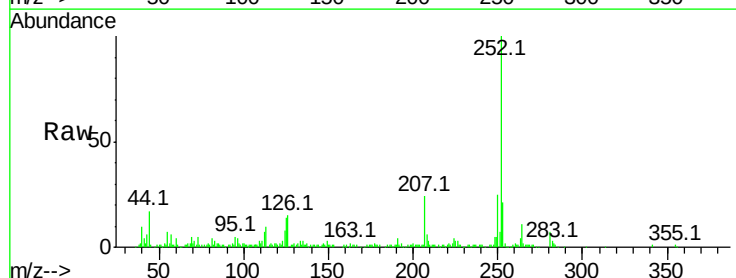
Tgt Ion:252 Resp: 111828

Ion Ratio Lower Upper

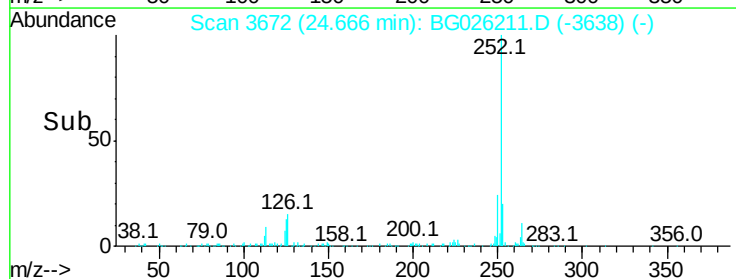
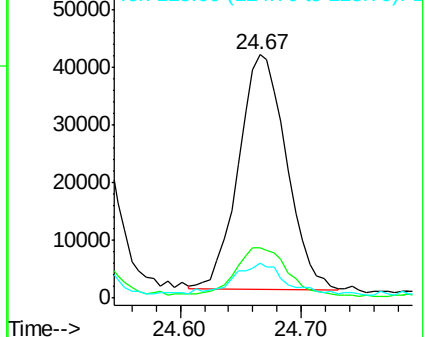
252 100

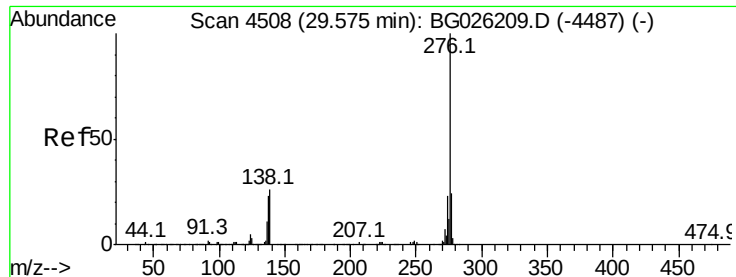
253 20.7 17.1 25.7

125 14.1 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: 1.15 ng/ul

RT: 29.56 min Scan# 4505

Delta R.T. -0.01 min

Lab File: BG026211.D

Acq: 13 Mar 2017 13:17

Instrument :

BNA_G

ClientSampleId :

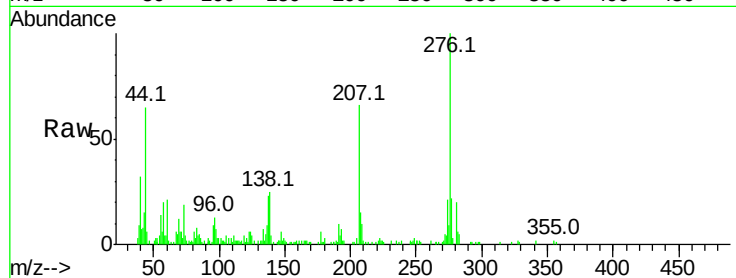
Tot Ion:276 Resp: 33678

Ion Ratio Lower Upper

276 100

138 25.2 19.0 28.4

277 22.1 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

