

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031317\
 Data File : BG026224.D
 Acq On : 14 Mar 2017 23:04
 Operator : SJ/MA
 Sample : I2217-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB2W7

Quant Time: Mar 15 06:54:40 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030317-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 15 06:53:58 2017
 Response via : Initial Calibration

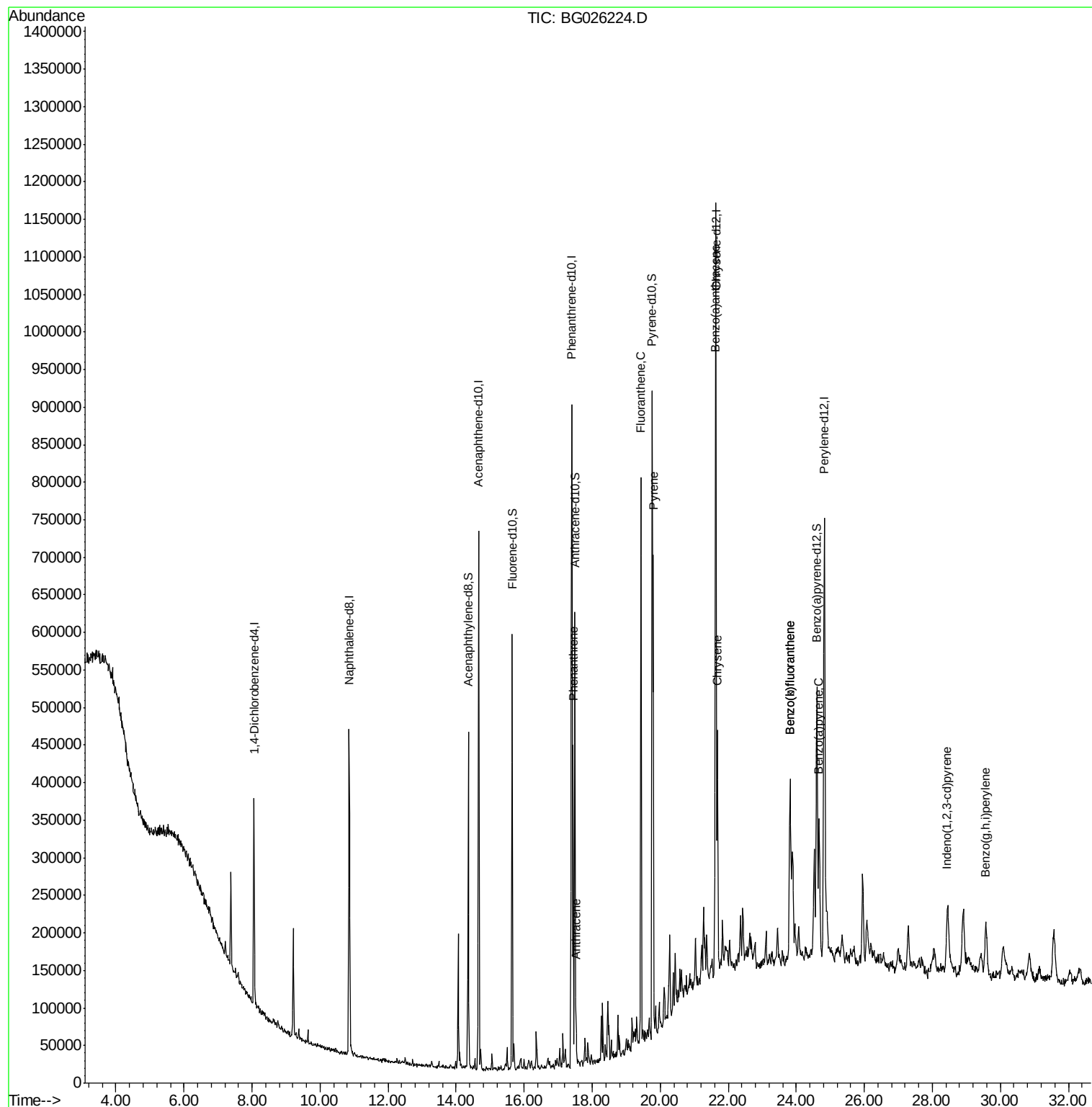
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	75128	20.00	ng/ul	0.00
2) Naphthalene-d8	10.85	136	383980	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.66	164	233123	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.39	188	527683	20.00	ng/ul	0.00
18) Chrysene-d12	21.64	240	539706	20.00	ng/ul	0.00
23) Perylene-d12	24.83	264	514569	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.47	165	1109	0.19	ng/uL	0.00
7) Acenaphthylene-d8	14.36	160	323947	16.30	ng/ul	0.00
10) Fluorene-d10	15.65	176	242718	16.74	ng/ul	0.00
15) Anthracene-d10	17.49	188	338333	14.43	ng/ul	0.00
19) Pyrene-d10	19.76	212	382853	13.90	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.60	264	335646	15.12	ng/ul	0.00
Target Compounds				Qvalue		
14) Phenanthrene	17.43	178	264629	9.46	ng/ul	98
16) Anthracene	17.52	178	48980	1.73	ng/ul	94
17) Fluoranthene	19.43	202	454218	15.65	ng/ul	99
20) Pyrene	19.79	202	391510	11.39	ng/ul	100
21) Benzo(a)anthracene	21.62	228	220971	7.36	ng/ul	100
22) Chrysene	21.68	228	216771	7.73	ng/ul	99
24) Benzo(b)fluoranthene	23.82	252	269609	9.23	ng/ul	98
25) Benzo(k)fluoranthene	23.82	252	269609	9.66	ng/ul#	97
27) Benzo(a)pyrene	24.67	252	186208	6.86	ng/ul	95
28) Indeno(1,2,3-cd)pyrene	28.43	276	48444	1.60	ng/ul	94
30) Benzo(g,h,i)perylene	29.58	276	121858	4.72	ng/ul#	91

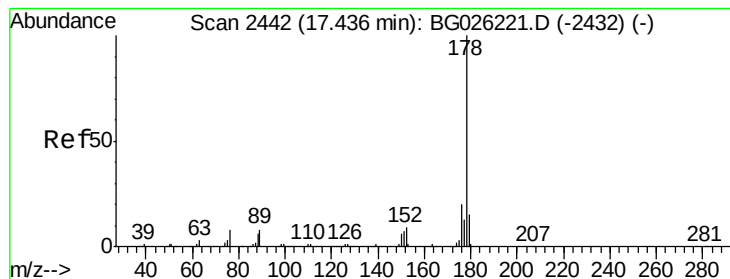
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#14

Phenanthrene

Concen: 9.46 ng/ul

RT: 17.43 min Scan# 2442

Delta R.T. -0.00 min

Lab File: BG026224.D

Acq: 14 Mar 2017 23:04

Instrument :

BNA_G

ClientSampleId :

CB2W7

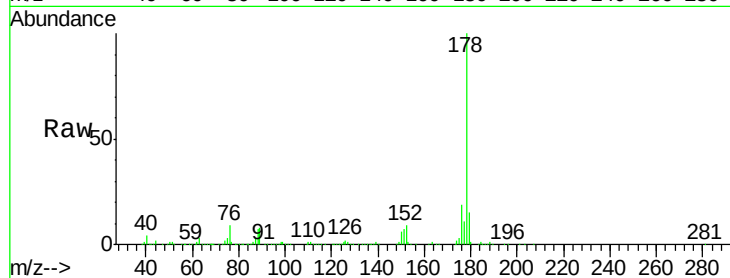
Tgt Ion:178 Resp: 264629

Ion Ratio Lower Upper

178 100

179 15.2 12.2 18.4

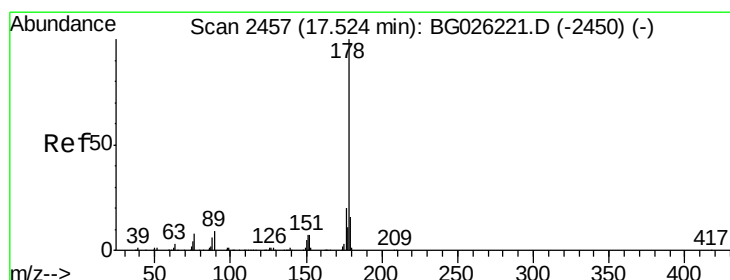
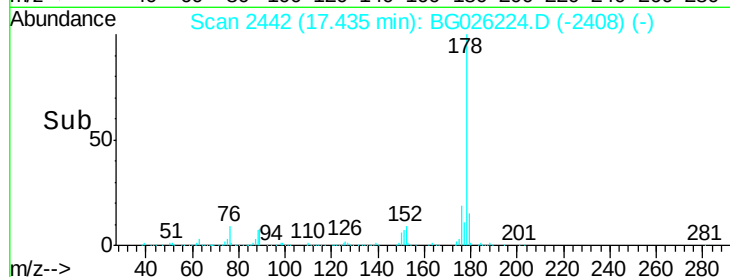
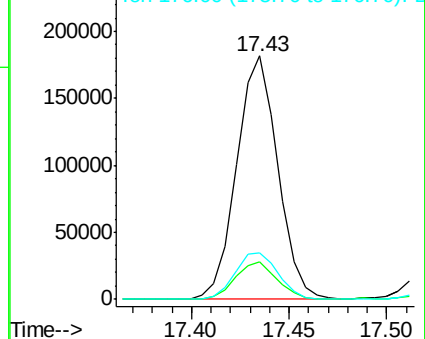
176 18.9 16.4 24.6



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: 1.73 ng/ul

RT: 17.52 min Scan# 2457

Delta R.T. -0.00 min

Lab File: BG026224.D

Acq: 14 Mar 2017 23:04

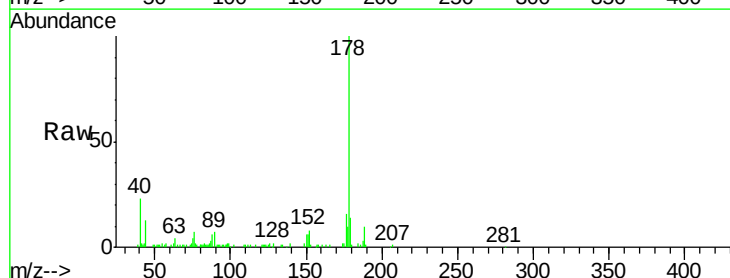
Tgt Ion:178 Resp: 48980

Ion Ratio Lower Upper

178 100

179 13.8 12.7 19.1

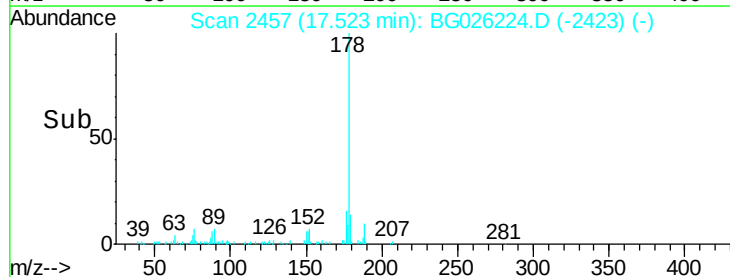
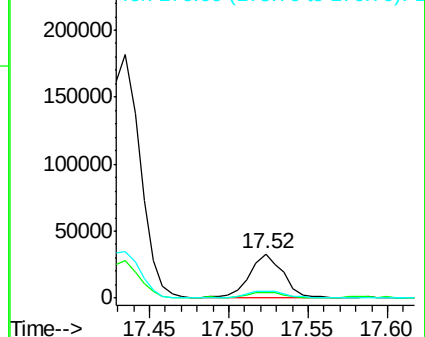
176 16.3 15.8 23.8

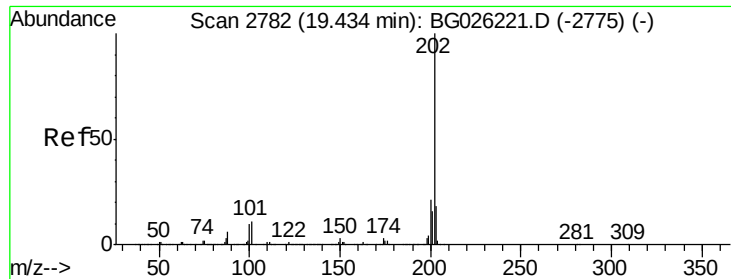


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#17

Fluoranthene

Concen: 15.65 ng/ul

RT: 19.43 min Scan# 2782

Delta R.T. -0.00 min

Lab File: BG026224.D

Acq: 14 Mar 2017 23:04

Instrument :

BNA_G

ClientSampleId :

CB2W7

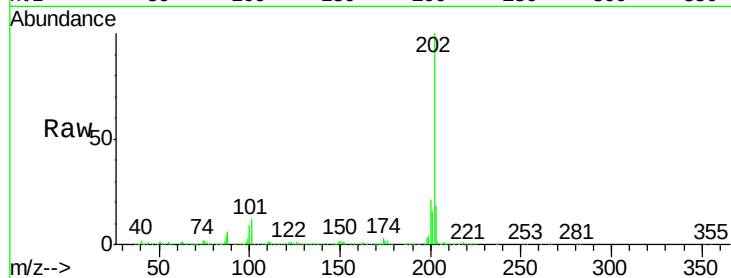
Tgt Ion:202 Resp: 454218

Ion Ratio Lower Upper

202 100

101 12.1 9.8 14.8

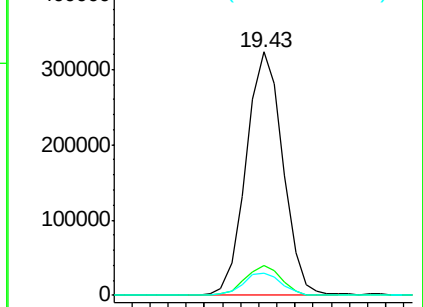
100 9.0 7.5 11.3



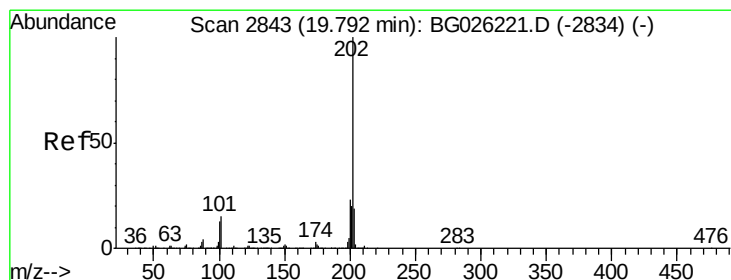
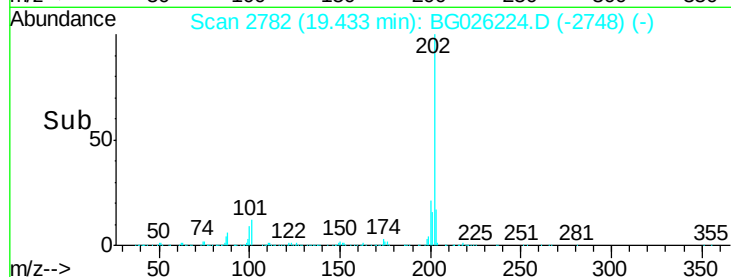
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#20

Pyrene

Concen: 11.39 ng/ul

RT: 19.79 min Scan# 2843

Delta R.T. -0.00 min

Lab File: BG026224.D

Acq: 14 Mar 2017 23:04

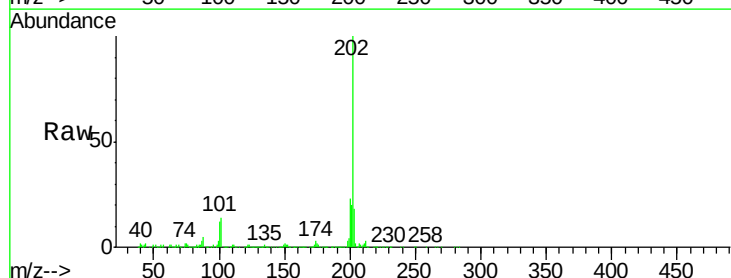
Tgt Ion:202 Resp: 391510

Ion Ratio Lower Upper

202 100

101 14.1 11.2 16.8

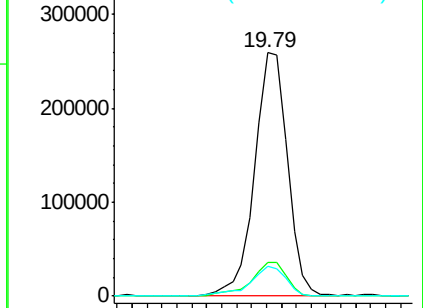
100 12.3 9.8 14.6



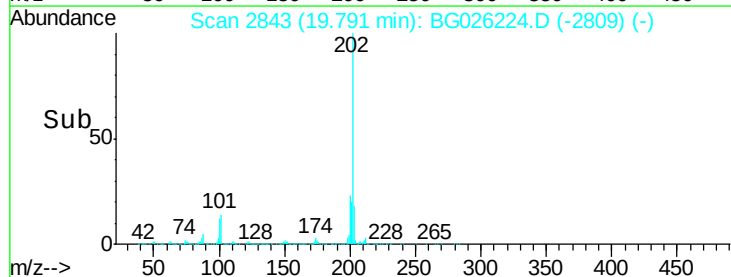
Abundance Ion 202.00 (201.70 to 202.70): E

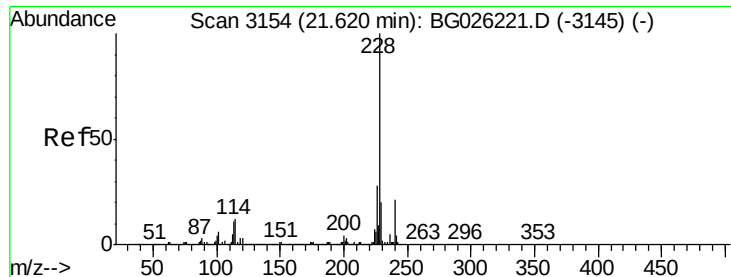
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->





#21

Benzo(a)anthracene

Concen: 7.36 ng/ul

RT: 21.62 min Scan# 3154

Delta R.T. -0.00 min

Lab File: BG026224.D

Acq: 14 Mar 2017 23:04

Instrument :

BNA_G

ClientSampleId :

CB2W7

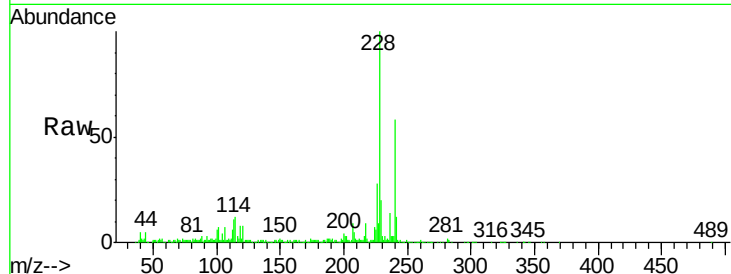
Tgt Ion:228 Resp: 220971

Ion Ratio Lower Upper

228 100

229 20.2 15.9 23.9

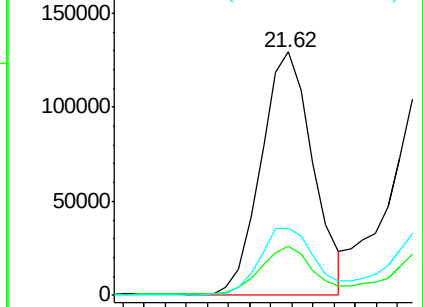
226 27.6 22.1 33.1



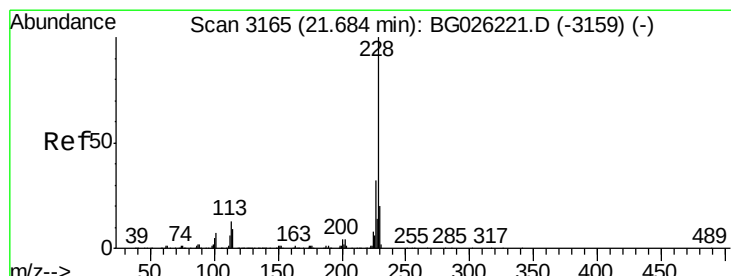
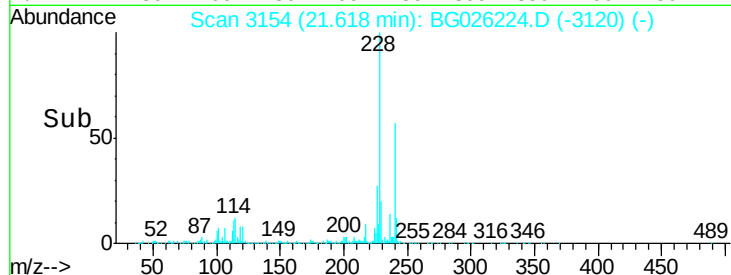
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



Time-->



#22

Chrysene

Concen: 7.73 ng/ul

RT: 21.68 min Scan# 3165

Delta R.T. -0.00 min

Lab File: BG026224.D

Acq: 14 Mar 2017 23:04

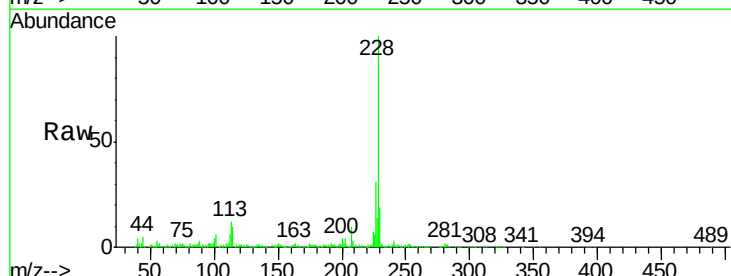
Tgt Ion:228 Resp: 216771

Ion Ratio Lower Upper

228 100

226 31.4 25.0 37.6

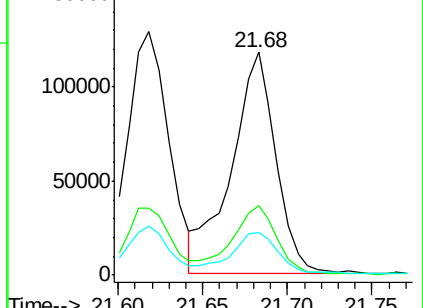
229 19.3 16.6 25.0



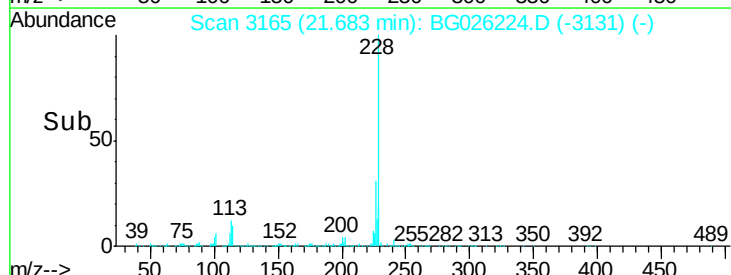
Abundance Ion 228.00 (227.70 to 228.70): E

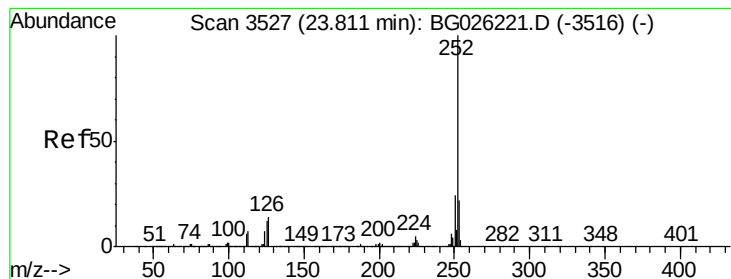
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->





#24

Benzo(b)fluoranthene

Concen: 9.23 ng/ul

RT: 23.82 min Scan# 3528

Delta R.T. 0.00 min

Lab File: BG026224.D

Acq: 14 Mar 2017 23:04

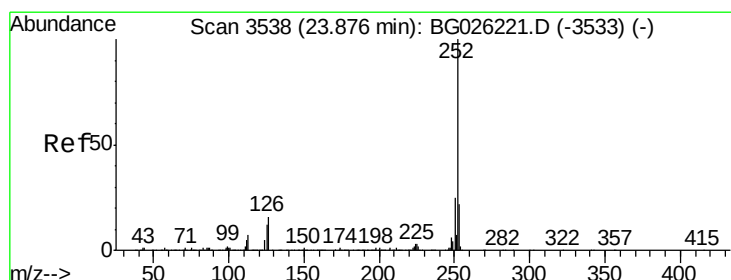
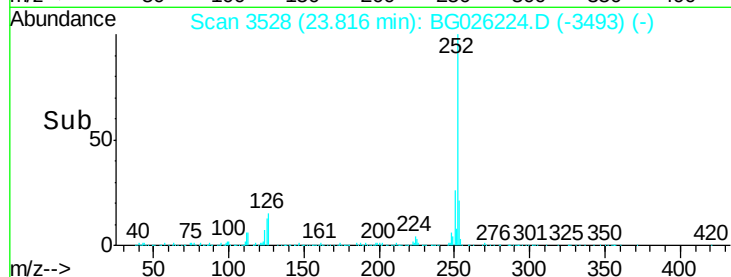
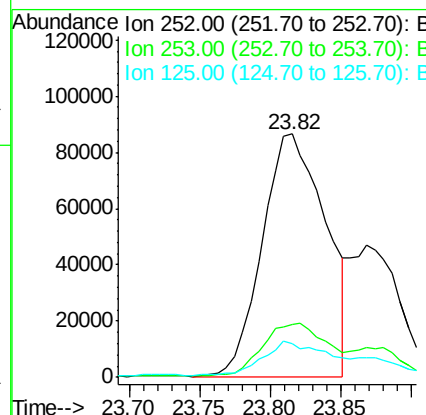
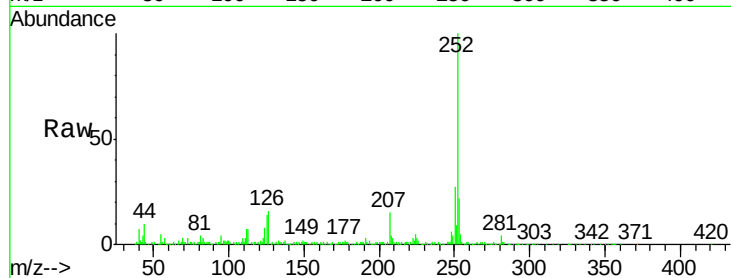
Instrument :

BNA_G

ClientSampleId :

CB2W7

Tgt Ion:	252	Resp:	269609
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	13.6	9.4	14.0



#25

Benzo(k)fluoranthene

Concen: 9.66 ng/ul

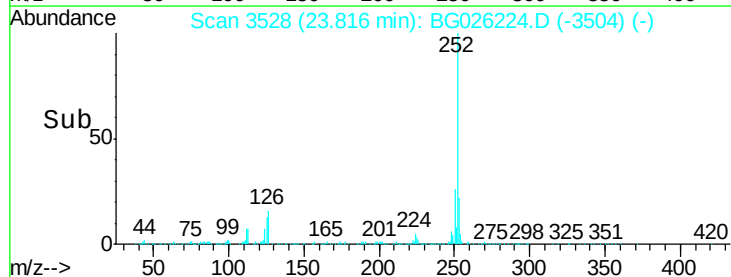
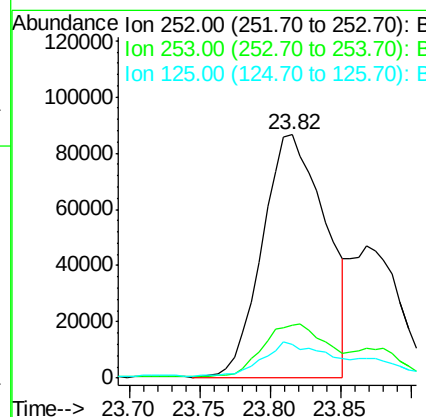
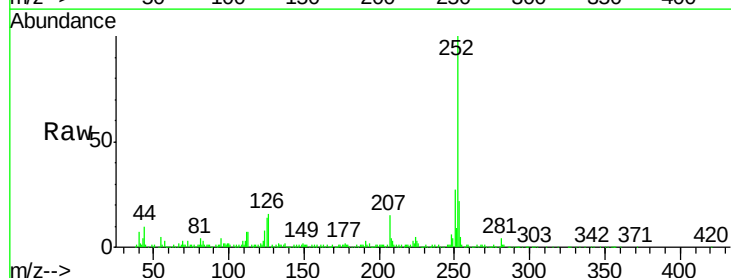
RT: 23.82 min Scan# 3528

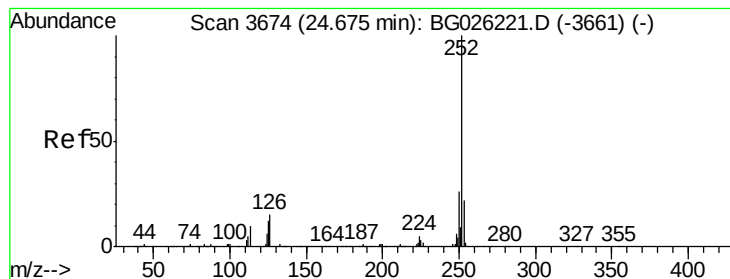
Delta R.T. -0.06 min

Lab File: BG026224.D

Acq: 14 Mar 2017 23:04

Tgt Ion:	252	Resp:	269609
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	13.6	8.8	13.2#





#27

Benzo(a)pyrene

Concen: 6.86 ng/ul

RT: 24.67 min Scan# 3673

Delta R.T. -0.01 min

Lab File: BG026224.D

Acq: 14 Mar 2017 23:04

Instrument :

BNA_G

ClientSampleId :

CB2W7

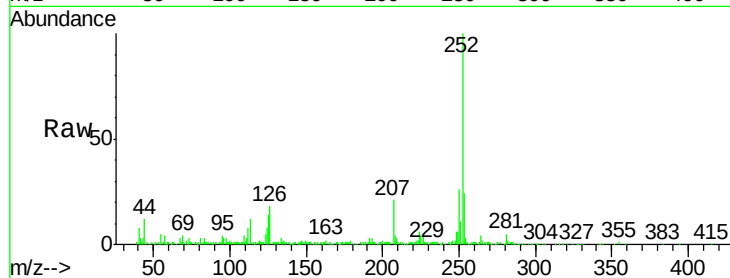
Tgt Ion:252 Resp: 186208

Ion Ratio Lower Upper

252 100

253 23.6 17.1 25.7

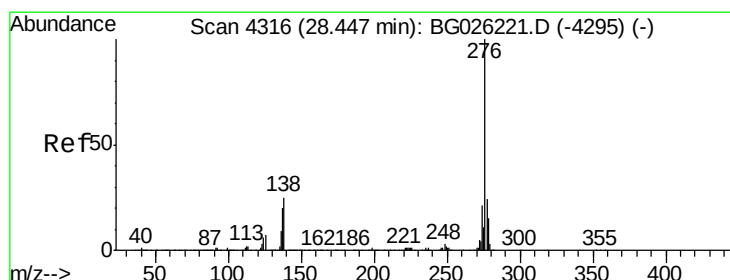
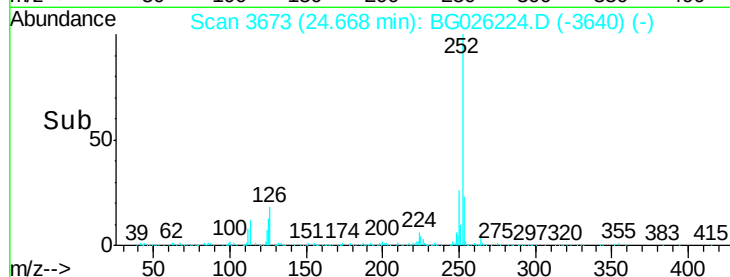
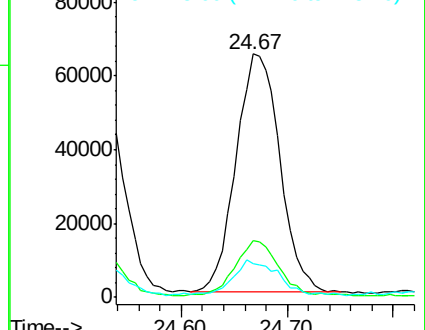
125 13.9 9.4 14.2



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: 1.60 ng/ul

RT: 28.43 min Scan# 4313

Delta R.T. -0.02 min

Lab File: BG026224.D

Acq: 14 Mar 2017 23:04

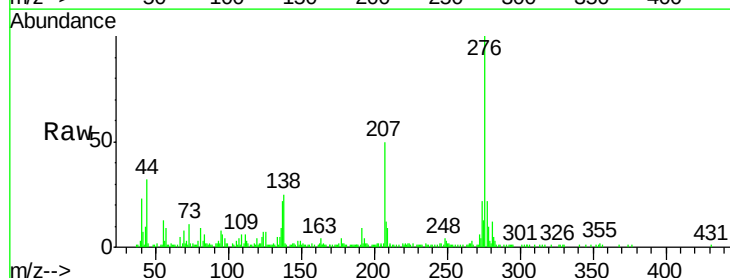
Tgt Ion:276 Resp: 48444

Ion Ratio Lower Upper

276 100

138 25.0 17.8 26.6

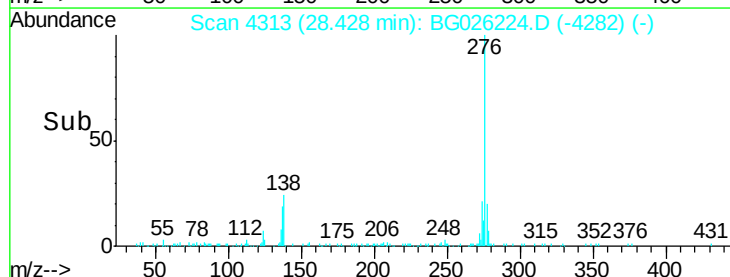
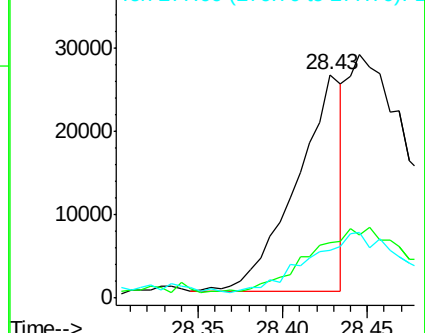
277 21.5 19.4 29.0

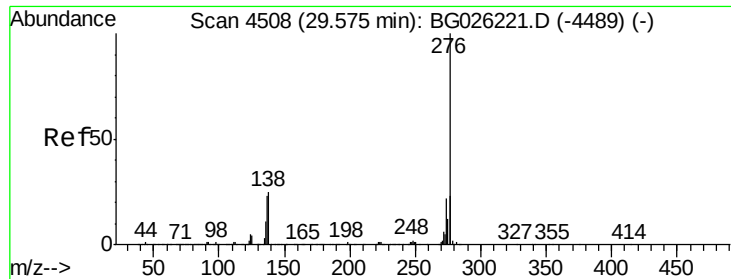


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#30

Benzo(g,h,i)perylene

Concen: 4.72 ng/ul

RT: 29.58 min Scan# 4509

Delta R.T. 0.00 min

Lab File: BG026224.D

Acq: 14 Mar 2017 23:04

Instrument :

BNA_G

ClientSampleId :

CB2W7

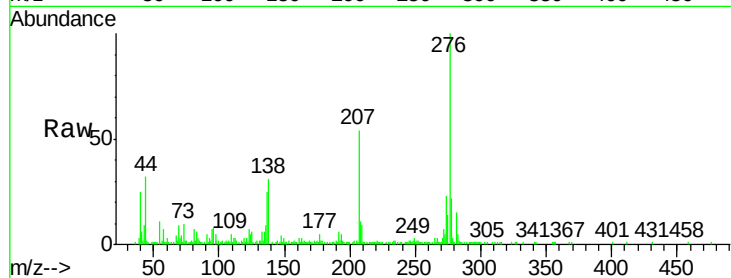
Tgt Ion:276 Resp: 121858

Ion Ratio Lower Upper

276 100

138 30.5 19.0 28.4#

277 22.4 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

