

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031717\
 Data File : BG026314.D
 Acq On : 18 Mar 2017 12:20
 Operator : SJ/MA
 Sample : I2283-15
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB314

Quant Time: Mar 20 03:24:41 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG030317-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Mar 20 03:22:51 2017
 Response via : Initial Calibration

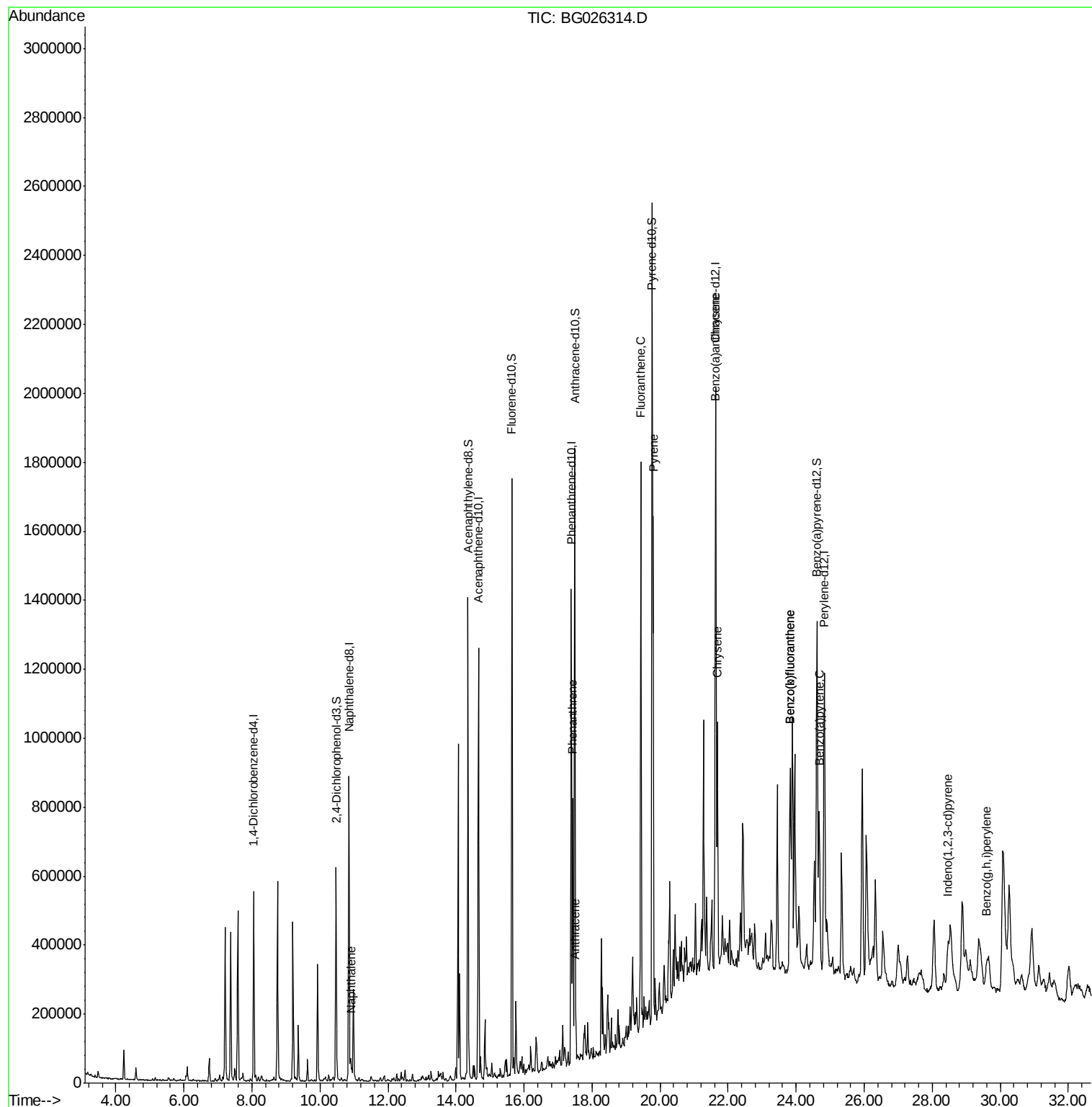
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	171831	20.00	ng/ul	0.00
2) Naphthalene-d8	10.85	136	794086	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.66	164	440771	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.39	188	866383	20.00	ng/ul	0.00
18) Chrysene-d12	21.64	240	854648	20.00	ng/ul	0.00
23) Perylene-d12	24.83	264	816114	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.48	165	276266	23.49	ng/uL	0.00
7) Acenaphthylene-d8	14.35	160	1048584	27.90	ng/ul	0.00
10) Fluorene-d10	15.65	176	731276	26.68	ng/ul	0.00
15) Anthracene-d10	17.49	188	1046551	27.18	ng/ul	0.00
19) Pyrene-d10	19.76	212	1124881	25.79	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.61	264	1066355	30.30	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.90	128	50313	1.30	ng/ul	98
14) Phenanthrene	17.43	178	485987	10.58	ng/ul	99
16) Anthracene	17.52	178	93893	2.02	ng/ul	98
17) Fluoranthene	19.44	202	1012892	21.25	ng/ul	99
20) Pyrene	19.79	202	867978	15.95	ng/ul	99
21) Benzo(a)anthracene	21.62	228	535187	11.25	ng/ul	98
22) Chrysene	21.68	228	513034	11.56	ng/ul	100
24) Benzo(b)fluoranthene	23.82	252	763114	16.47	ng/ul	96
25) Benzo(k)fluoranthene	23.82	252	763114	17.25	ng/ul	95
27) Benzo(a)pyrene	24.68	252	455929	10.59	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	28.46	276	247198	5.20	ng/ul#	95
30) Benzo(a,h,i)perylene	29.59	276	190657	4.69	ng/ul	95

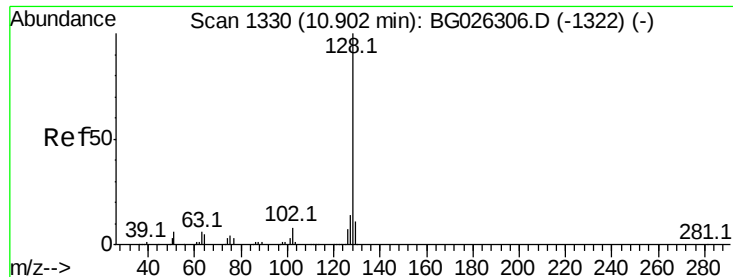
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 1.30 ng/ul

RT: 10.90 min Scan# 1330

Delta R.T. 0.00 min

Lab File: BG026314.D

Acq: 18 Mar 2017 12:20

Instrument :

BNA_G

ClientSampleId :

CB314

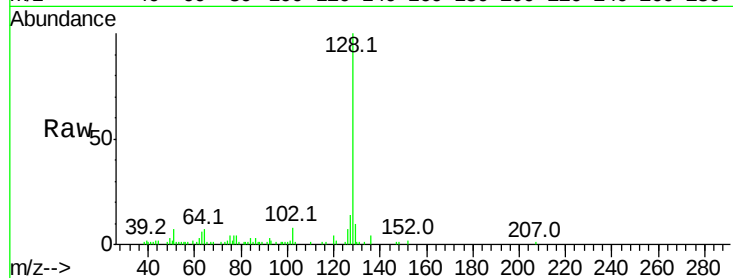
Tot Ion:128 Resp: 50313

Ion Ratio Lower Upper

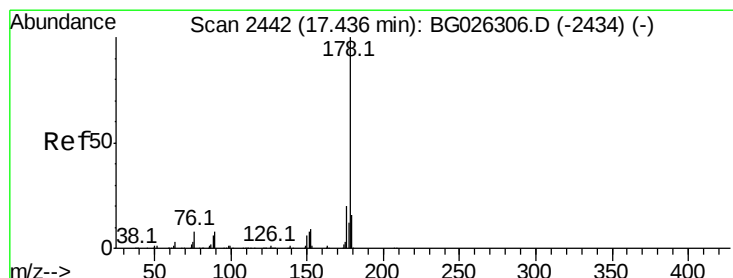
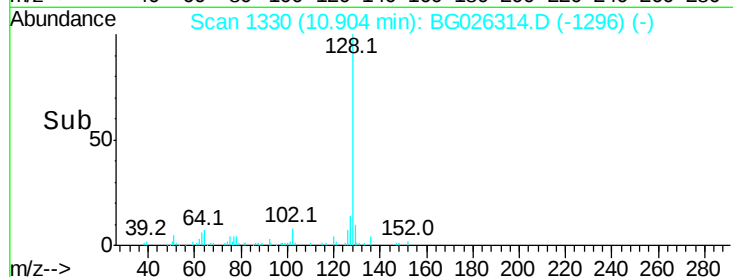
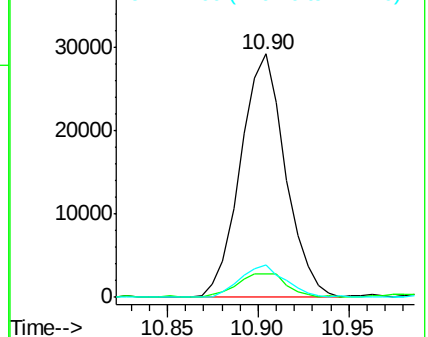
128 100

129 9.9 9.1 13.7

127 13.5 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: 10.58 ng/ul

RT: 17.43 min Scan# 2441

Delta R.T. -0.00 min

Lab File: BG026314.D

Acq: 18 Mar 2017 12:20

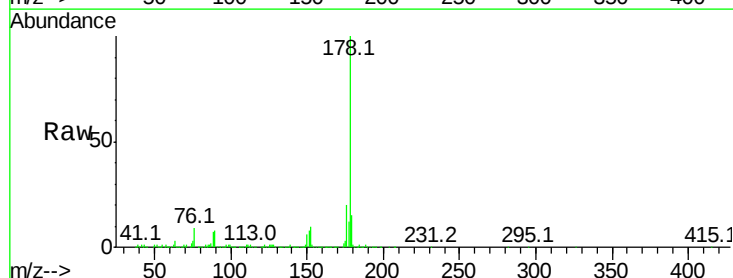
Tgt Ion:178 Resp: 485987

Ion Ratio Lower Upper

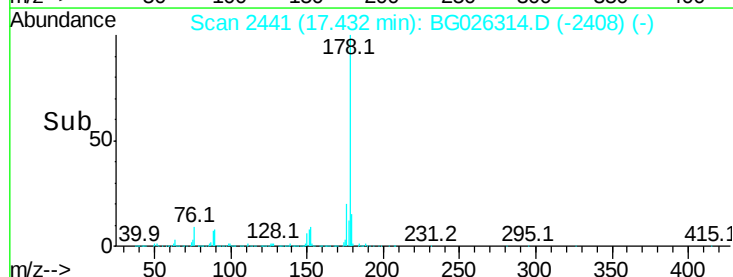
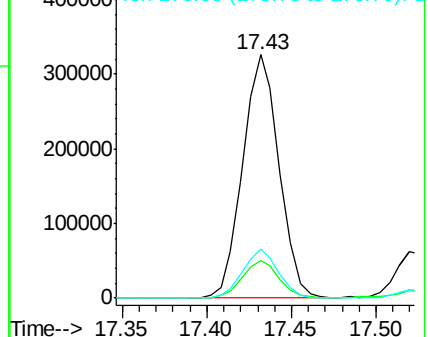
178 100

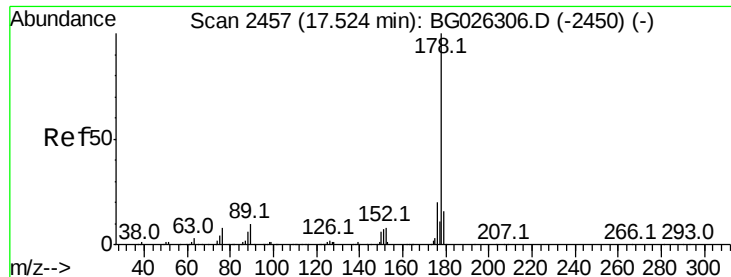
179 15.3 12.2 18.4

176 20.0 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: 2.02 ng/ul

RT: 17.52 min Scan# 2456

Delta R.T. -0.00 min

Lab File: BG026314.D

Acq: 18 Mar 2017 12:20

Instrument :

BNA_G

ClientSampleId :

CB314

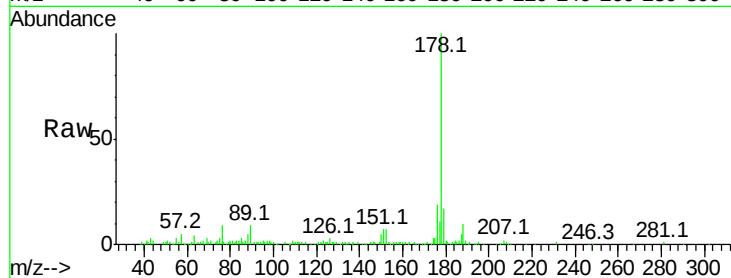
Tot Ion:178 Resp: 93893

Ion Ratio Lower Upper

178 100

179 16.8 12.7 19.1

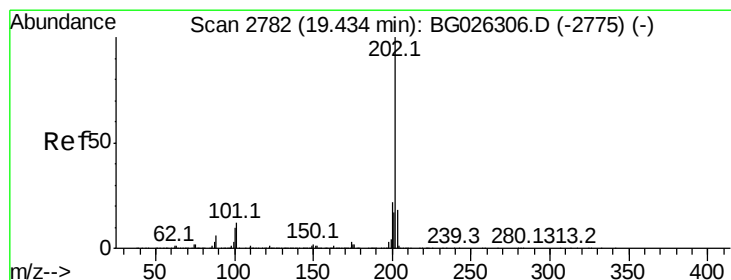
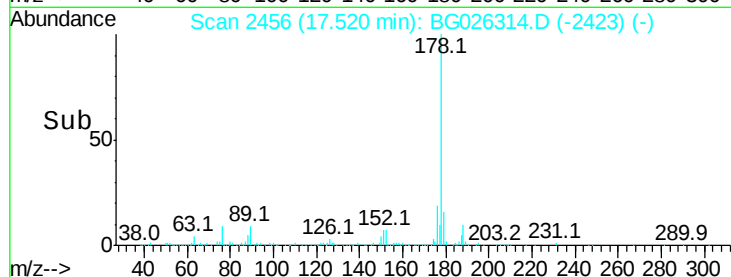
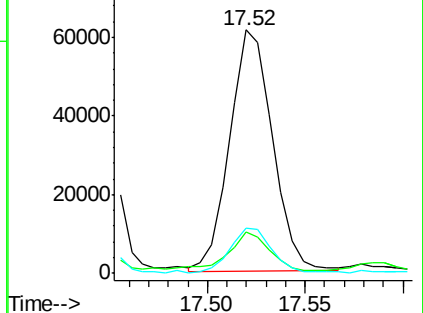
176 18.8 15.8 23.8



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: 21.25 ng/ul

RT: 19.44 min Scan# 2782

Delta R.T. 0.00 min

Lab File: BG026314.D

Acq: 18 Mar 2017 12:20

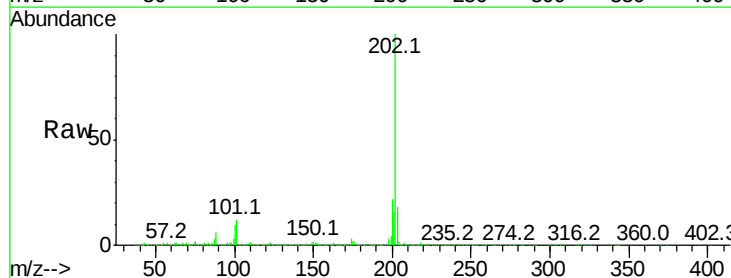
Tgt Ion:202 Resp: 1012892

Ion Ratio Lower Upper

202 100

101 12.2 9.8 14.8

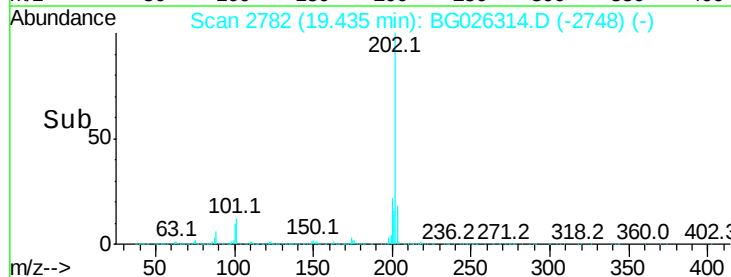
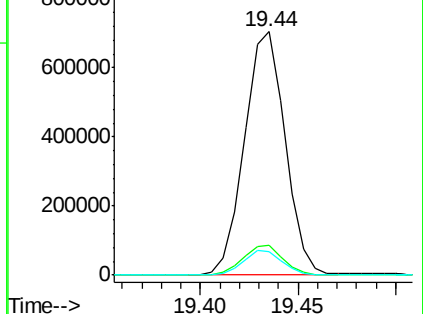
100 9.7 7.5 11.3

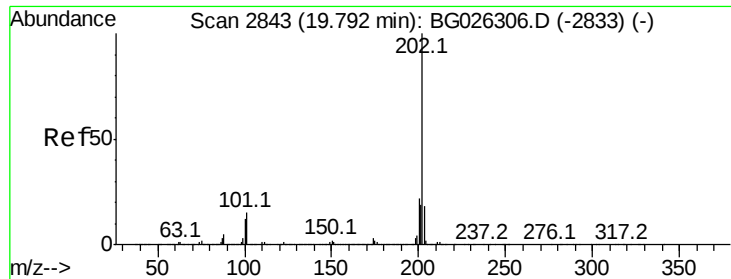


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

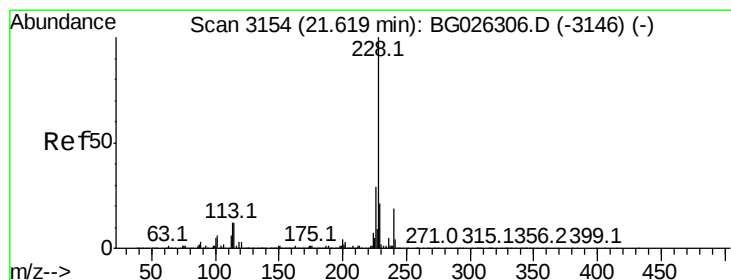
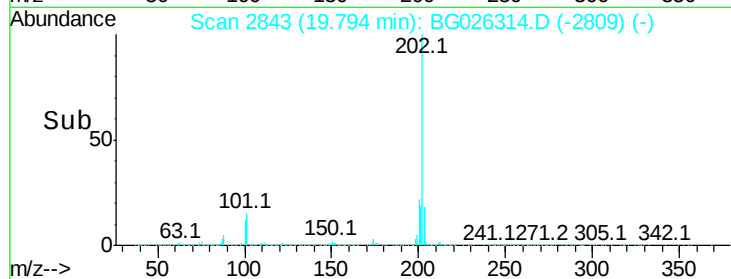
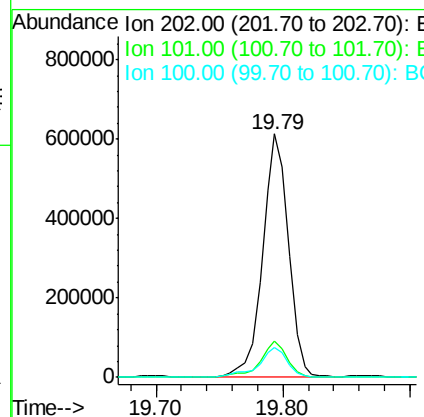
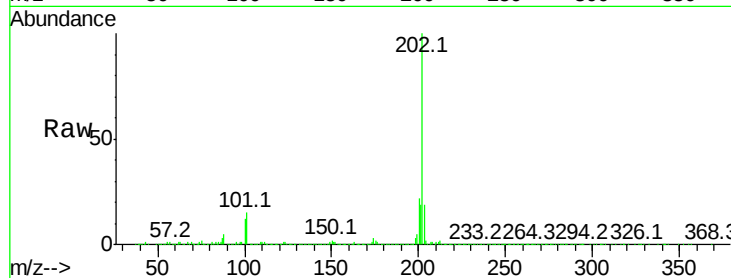




#20
Pvrene
Concen: 15.95 ng/ul
RT: 19.79 min Scan# 2843
Delta R.T. 0.00 min
Lab File: BG026314.D
Acq: 18 Mar 2017 12:20

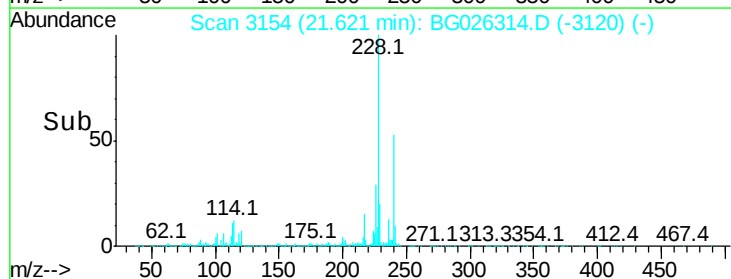
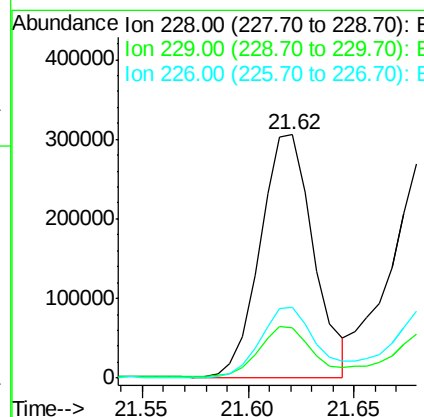
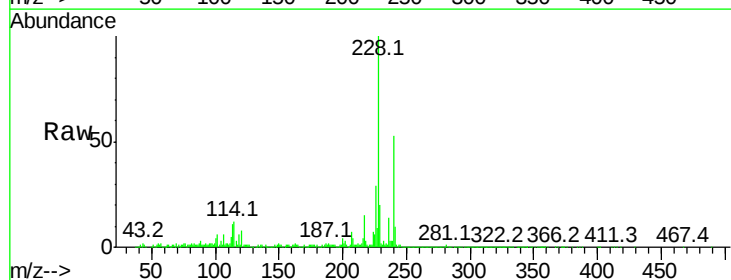
Instrument :
BNA_G
ClientSampleId :
CB314

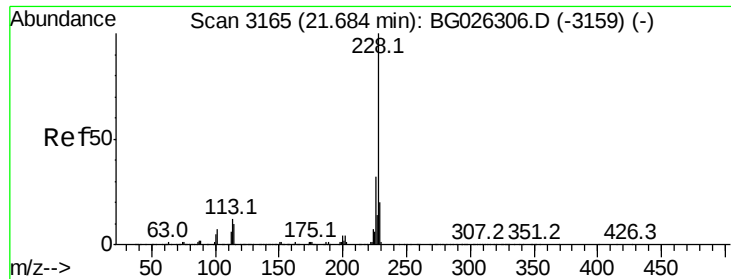
Tot Ion	Ratio	Lower	Upper
202	100		
101	14.9	11.2	16.8
100	12.4	9.8	14.6



#21
Benzo(a)anthracene
Concen: 11.25 ng/ul
RT: 21.62 min Scan# 3154
Delta R.T. 0.00 min
Lab File: BG026314.D
Acq: 18 Mar 2017 12:20

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.4	15.9	23.9
226	28.9	22.1	33.1





#22

Chrysene

Concen: 11.56 ng/ul

RT: 21.68 min Scan# 3164

Delta R.T. -0.00 min

Lab File: BG026314.D

Acq: 18 Mar 2017 12:20

Instrument :

BNA_G

ClientSampleId :

CB314

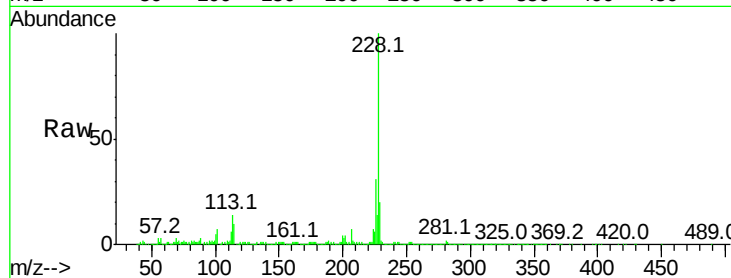
Tot Ion:228 Resp: 513034

Ion Ratio Lower Upper

228 100

226 31.2 25.0 37.6

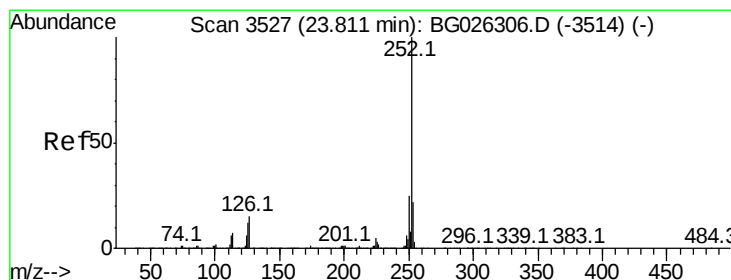
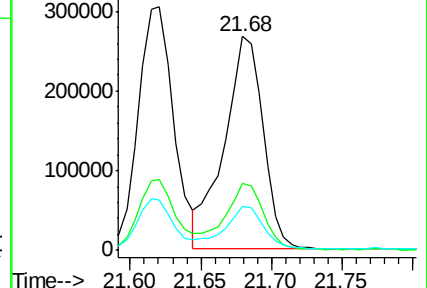
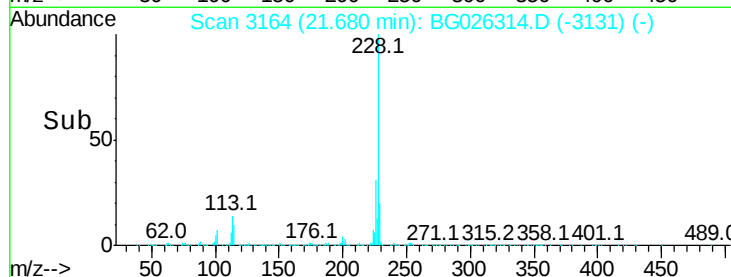
229 20.4 16.6 25.0



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: 16.47 ng/ul

RT: 23.82 min Scan# 3528

Delta R.T. 0.01 min

Lab File: BG026314.D

Acq: 18 Mar 2017 12:20

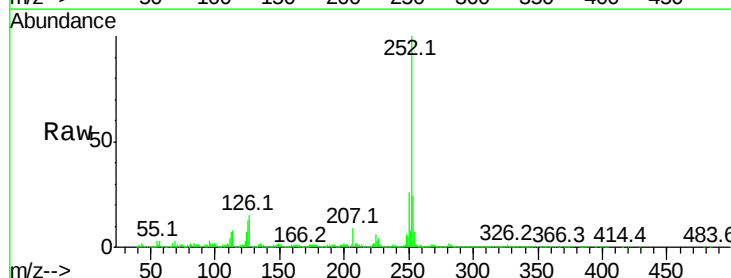
Tgt Ion:252 Resp: 763114

Ion Ratio Lower Upper

252 100

253 24.1 17.8 26.6

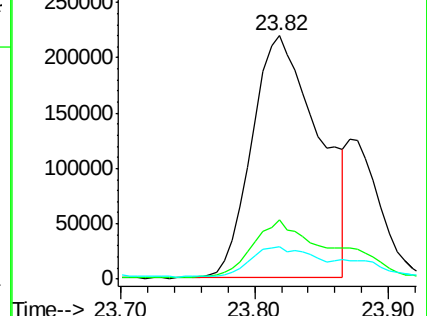
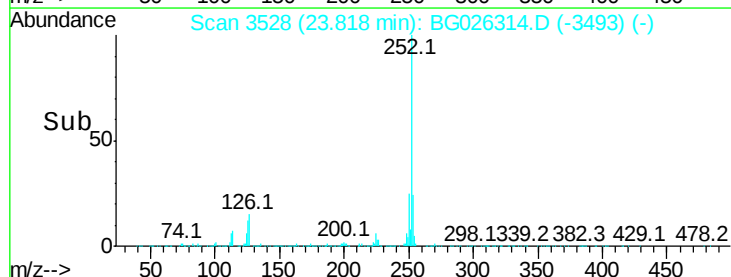
125 13.1 9.4 14.0

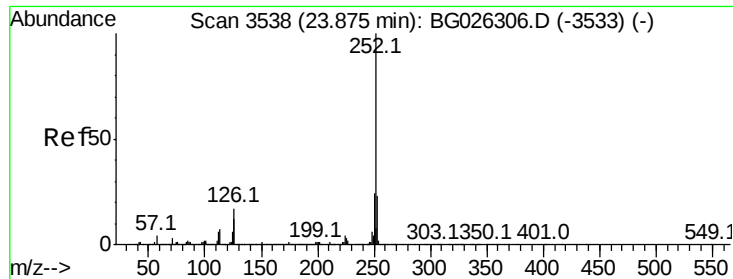


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(k)fluoranthene

Concen: 17.25 ng/ul

RT: 23.82 min Scan# 3528

Delta R.T. -0.06 min

Lab File: BG026314.D

Acq: 18 Mar 2017 12:20

Instrument :

BNA_G

ClientSampleId :

CB314

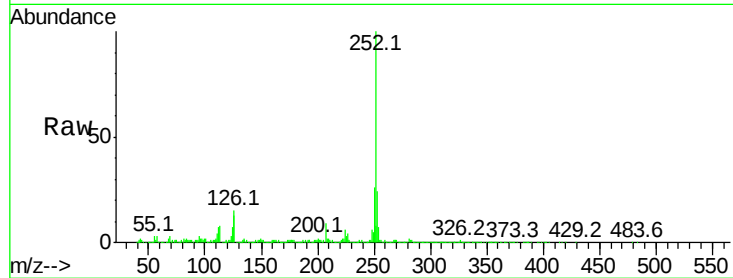
Tot Ion:252 Resp: 763114

Ion Ratio Lower Upper

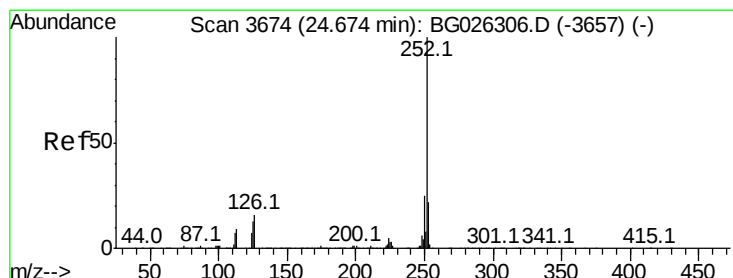
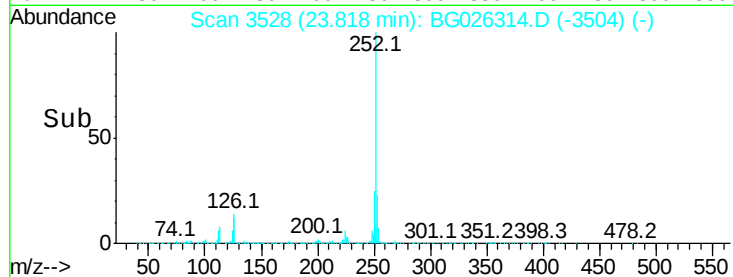
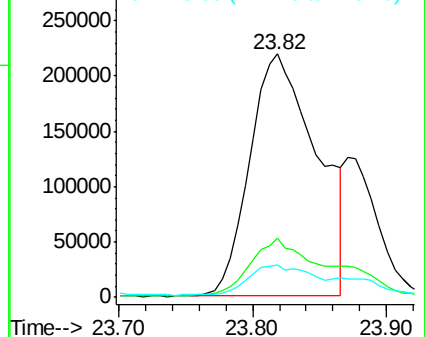
252 100

253 24.1 17.4 26.2

125 13.1 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: 10.59 ng/ul

RT: 24.68 min Scan# 3675

Delta R.T. 0.01 min

Lab File: BG026314.D

Acq: 18 Mar 2017 12:20

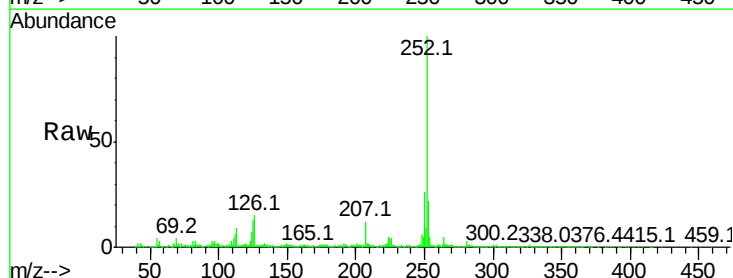
Tgt Ion:252 Resp: 455929

Ion Ratio Lower Upper

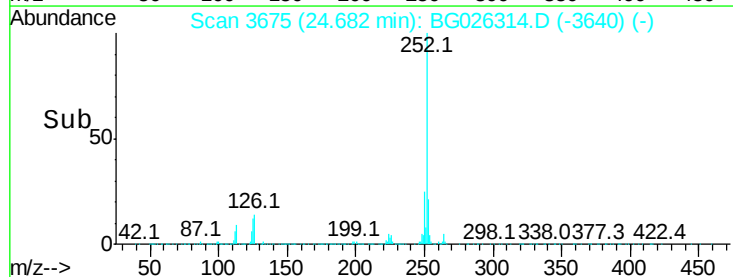
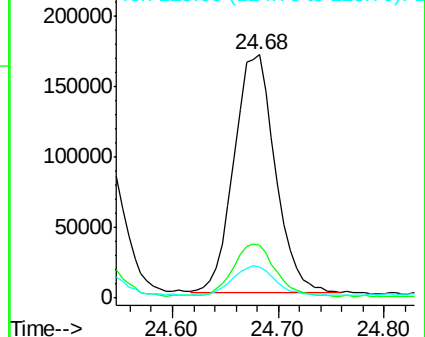
252 100

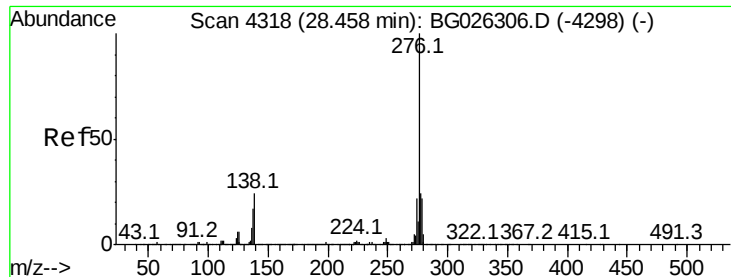
253 21.7 17.1 25.7

125 12.9 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: 5.20 ng/ul

RT: 28.46 min Scan# 4318

Delta R.T. 0.00 min

Lab File: BG026314.D

Acq: 18 Mar 2017 12:20

Instrument :

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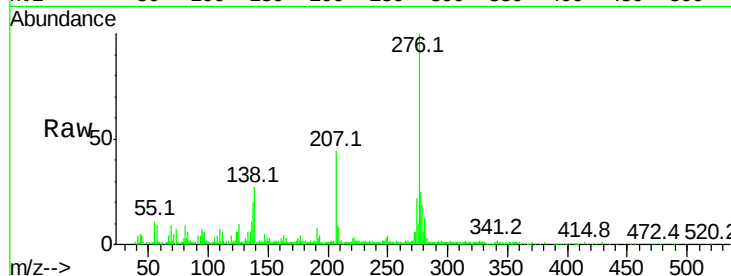
Tot Ion:276 Resp: 247198

Ion Ratio Lower Upper

276 100

138 26.7 17.8 26.6#

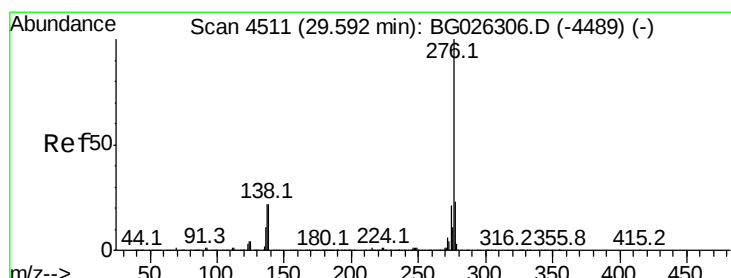
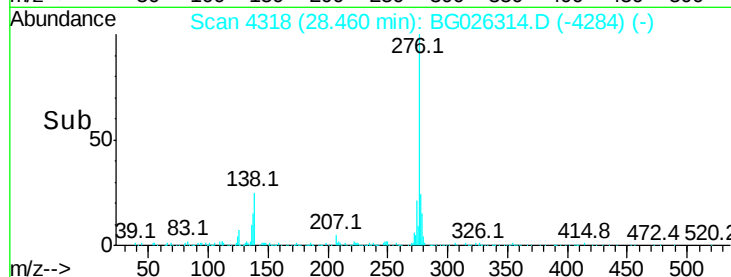
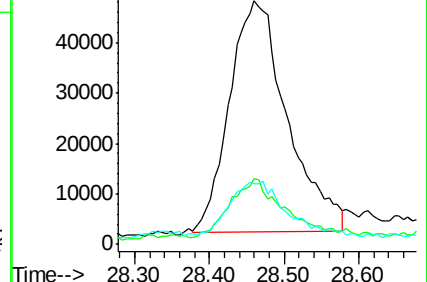
277 25.0 19.4 29.0



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: 4.69 ng/ul

RT: 29.59 min Scan# 4511

Delta R.T. 0.00 min

Lab File: BG026314.D

Acq: 18 Mar 2017 12:20

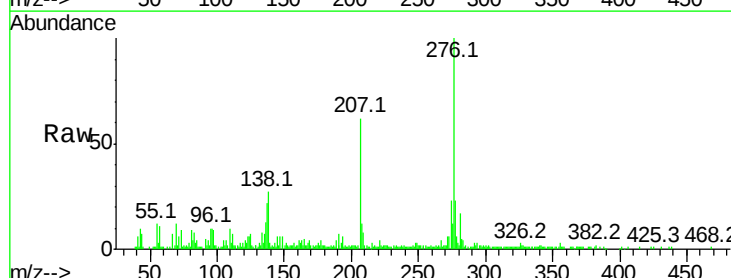
Tgt Ion:276 Resp: 190657

Ion Ratio Lower Upper

276 100

138 27.4 19.0 28.4

277 23.4 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

