

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031717\
 Data File : BG026313.D
 Acq On : 18 Mar 2017 11:40
 Operator : SJ/MA
 Sample : I2283-14
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB313

Quant Time: Mar 20 03:24:31 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

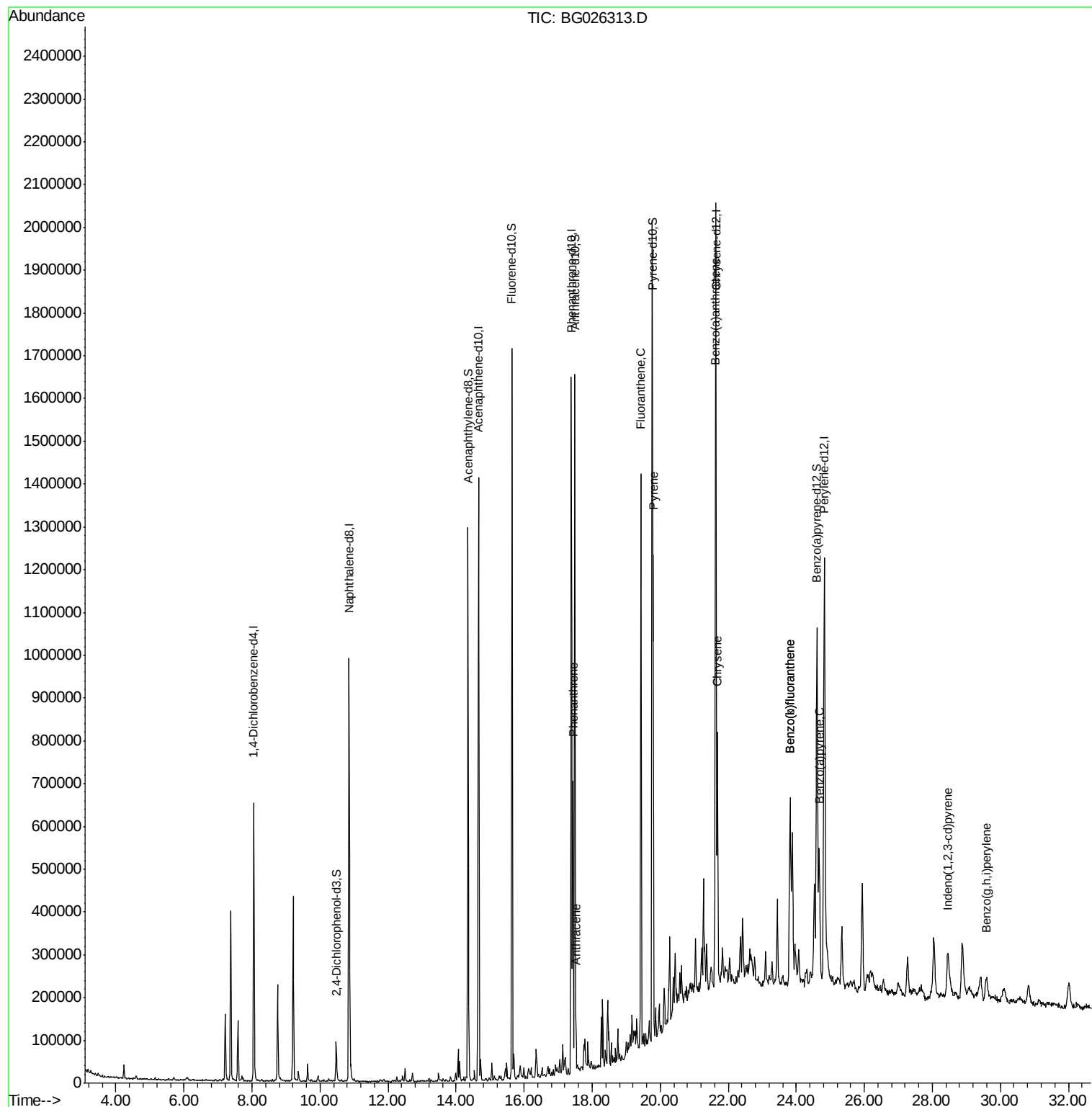
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	196831	20.00	ng/ul	0.00
2) Naphthalene-d8	10.85	136	923921	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.66	164	505274	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.39	188	998148	20.00	ng/ul	0.00
18) Chrysene-d12	21.64	240	1015663	20.00	ng/ul	0.00
23) Perylene-d12	24.83	264	976479	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.48	165	45120	3.30	ng/uL	0.00
7) Acenaphthylene-d8	14.35	160	992857	23.05	ng/ul	0.00
10) Fluorene-d10	15.64	176	714852	22.75	ng/ul	0.00
15) Anthracene-d10	17.49	188	965012	21.75	ng/ul	0.00
19) Pyrene-d10	19.76	212	972129	18.76	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.61	264	869291	20.64	ng/ul	0.00
Target Compounds				Qvalue		
14) Phenanthrene	17.43	178	451089	8.53	ng/ul	99
16) Anthracene	17.52	178	86274	1.61	ng/ul	98
17) Fluoranthene	19.43	202	803733	14.64	ng/ul	99
20) Pyrene	19.80	202	682210	10.55	ng/ul	98
21) Benzo(a)anthracene	21.62	228	417096	7.38	ng/ul	98
22) Chrysene	21.68	228	389429	7.38	ng/ul	99
24) Benzo(b)fluoranthene	23.82	252	537142	9.69	ng/ul	99
25) Benzo(k)fluoranthene	23.82	252	537142	10.15	ng/ul	98
27) Benzo(a)pyrene	24.67	252	321511	6.24	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	28.45	276	191410	3.36	ng/ul	97
30) Benzo(g,h,i)perylene	29.59	276	130834	2.69	ng/ul	99

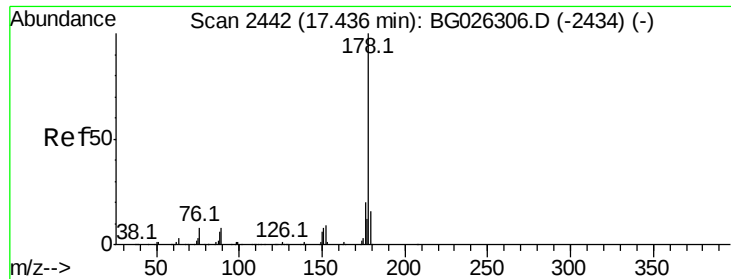
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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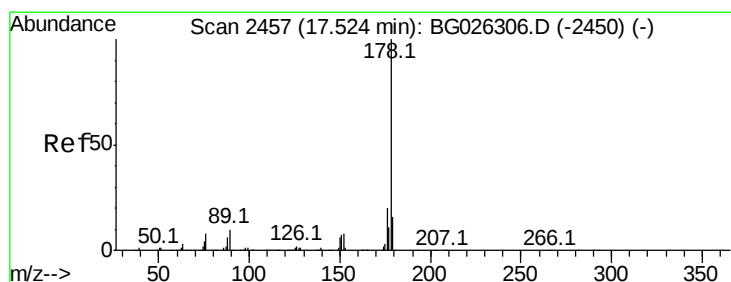
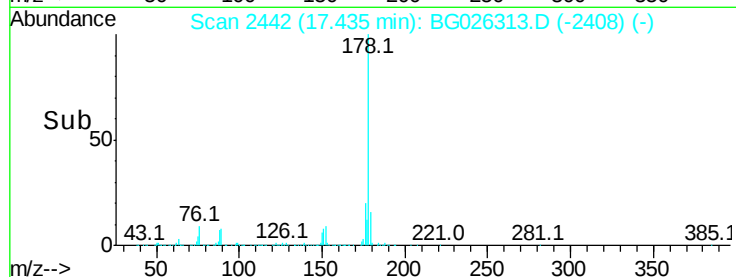
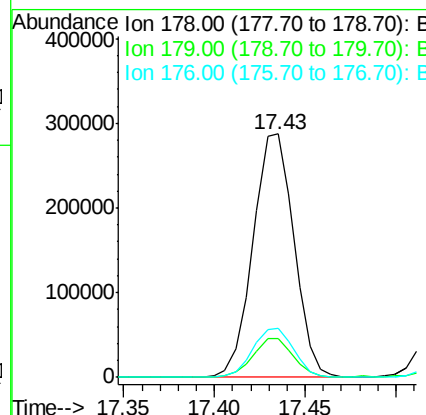
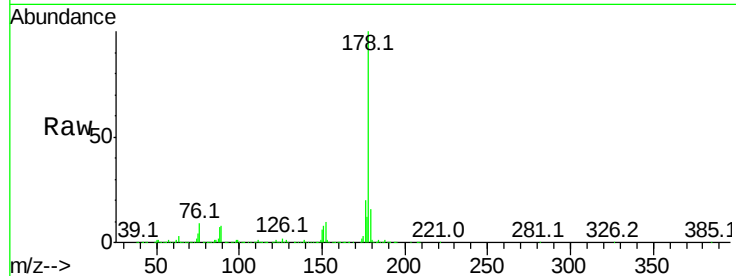




#14
Phenanthrene
Concen: 8.53 ng/ul
RT: 17.43 min Scan# 2442
Delta R.T. -0.00 min
Lab File: BG026313.D
Acq: 18 Mar 2017 11:40

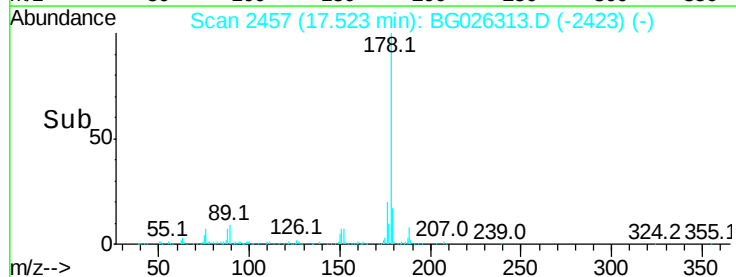
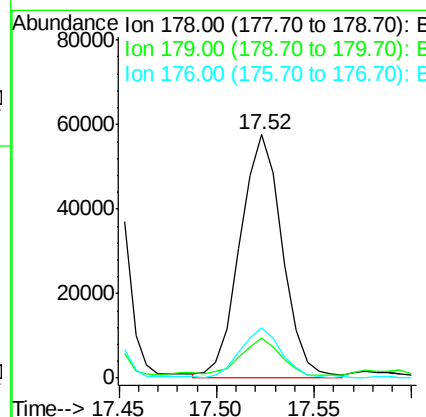
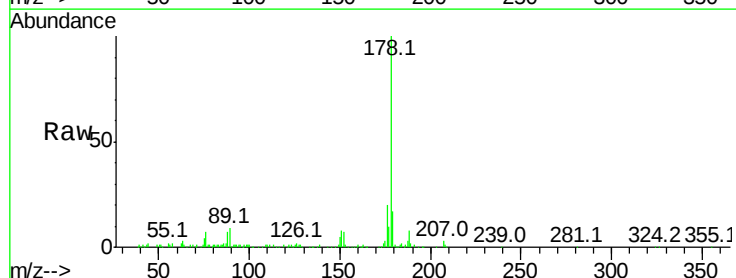
Instrument :
BNA_G
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CB313

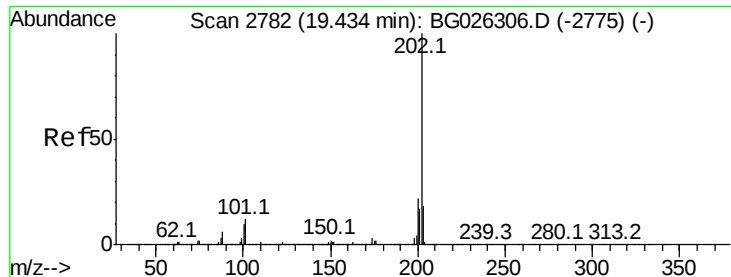
Tot Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.2	18.4
176	20.0	16.4	24.6



#16
Anthracene
Concen: 1.61 ng/ul
RT: 17.52 min Scan# 2457
Delta R.T. -0.00 min
Lab File: BG026313.D
Acq: 18 Mar 2017 11:40

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.7	12.7	19.1
176	20.5	15.8	23.8





#17

Fluoranthene

Concen: 14.64 ng/ul

RT: 19.43 min Scan# 2782

Delta R.T. -0.00 min

Lab File: BG026313.D

Acq: 18 Mar 2017 11:40

Instrument :

BNA_G

ClientSampleId :

CB313

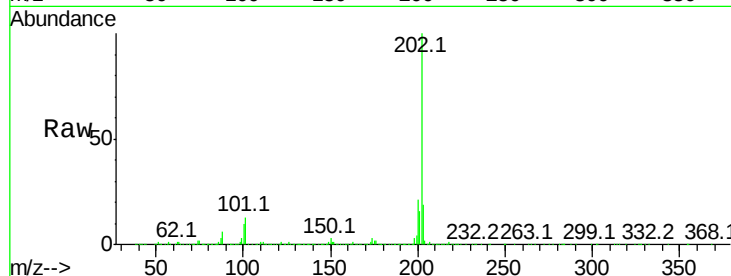
Tot Ion:202 Resp: 803733

Ion Ratio Lower Upper

202 100

101 12.8 9.8 14.8

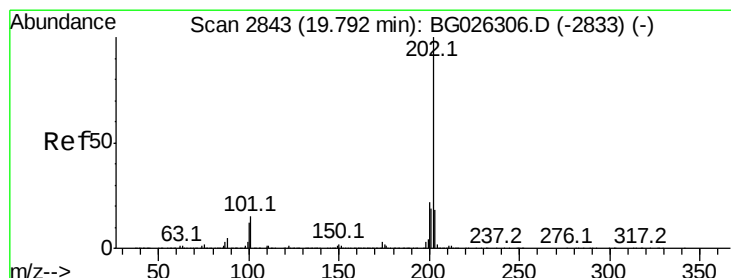
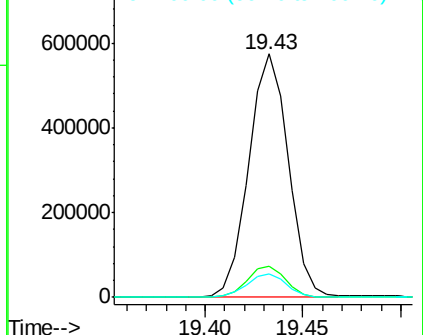
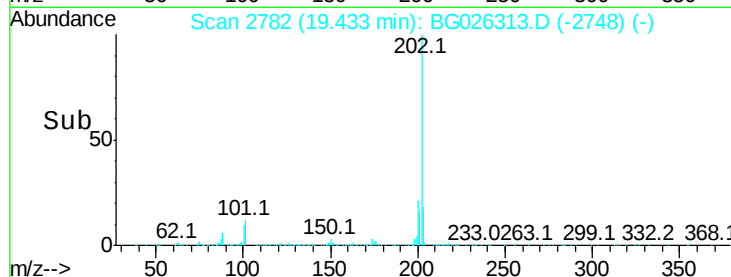
100 9.7 7.5 11.3



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): B



#20

Pyrene

Concen: 10.55 ng/ul

RT: 19.80 min Scan# 2844

Delta R.T. 0.00 min

Lab File: BG026313.D

Acq: 18 Mar 2017 11:40

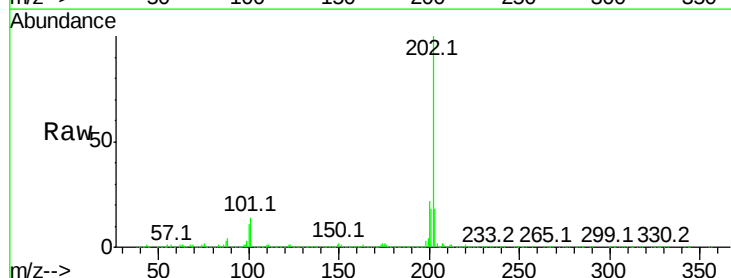
Tgt Ion:202 Resp: 682210

Ion Ratio Lower Upper

202 100

101 13.6 11.2 16.8

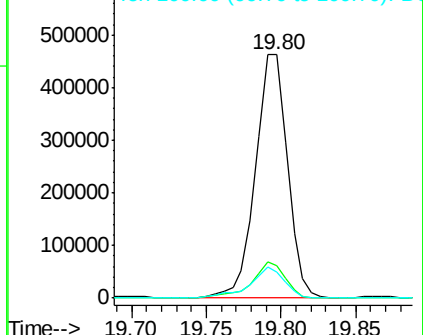
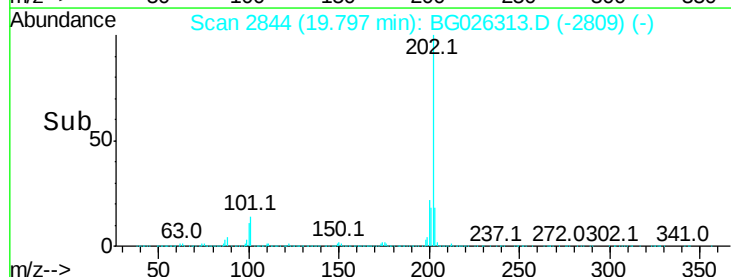
100 10.8 9.8 14.6

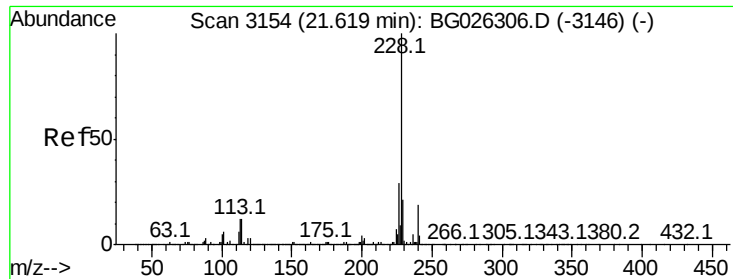


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 7.38 ng/ul

RT: 21.62 min Scan# 3154

Delta R.T. -0.00 min

Lab File: BG026313.D

Acq: 18 Mar 2017 11:40

Instrument :

BNA_G

ClientSampleId :

CB313

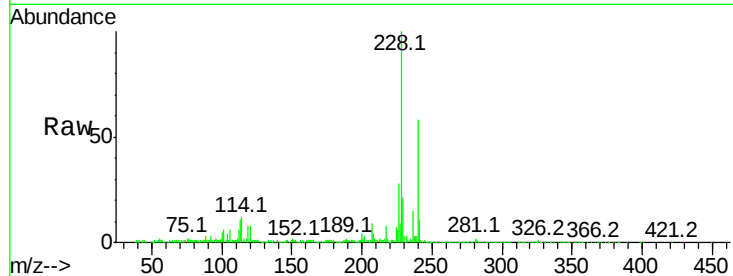
Tot Ion:228 Resp: 417096

Ion Ratio Lower Upper

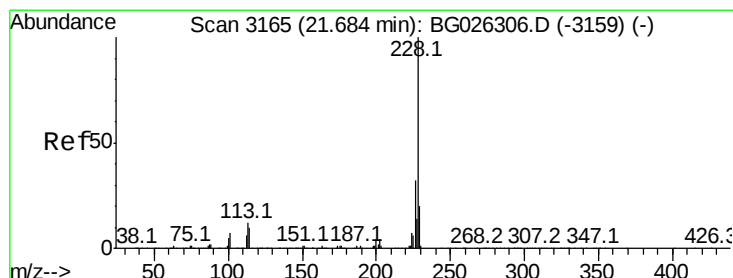
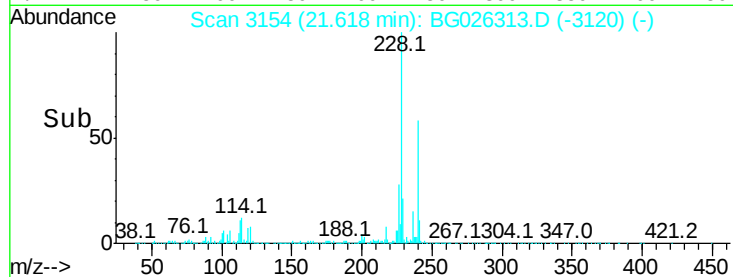
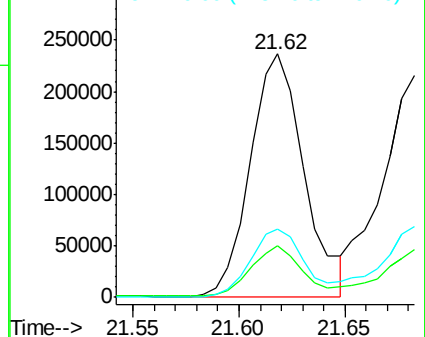
228 100

229 21.2 15.9 23.9

226 28.2 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: 7.38 ng/ul

RT: 21.68 min Scan# 3165

Delta R.T. -0.00 min

Lab File: BG026313.D

Acq: 18 Mar 2017 11:40

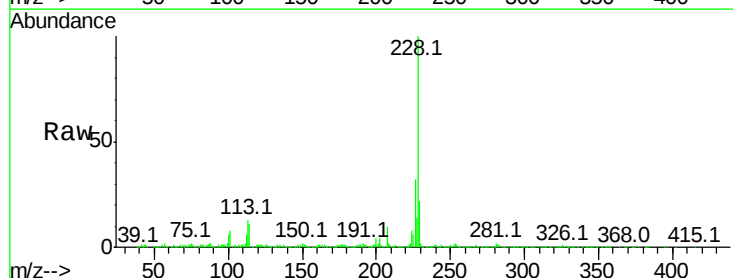
Tgt Ion:228 Resp: 389429

Ion Ratio Lower Upper

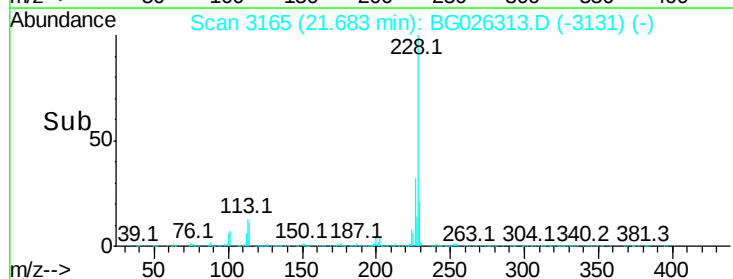
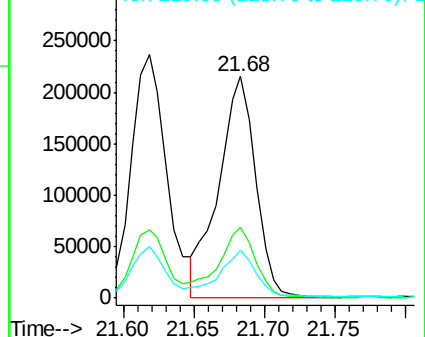
228 100

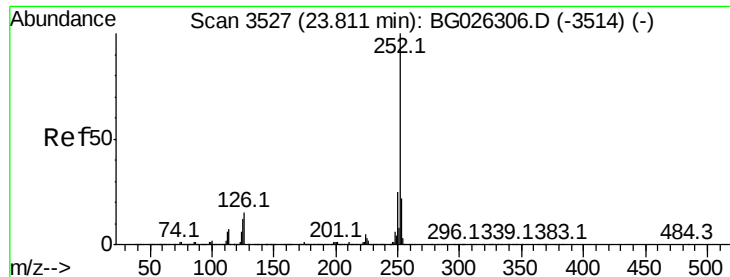
226 31.8 25.0 37.6

229 21.5 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: 9.69 ng/ul

RT: 23.82 min Scan# 3528

Delta R.T. 0.01 min

Lab File: BG026313.D

Acq: 18 Mar 2017 11:40

Instrument :

BNA_G

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CB313

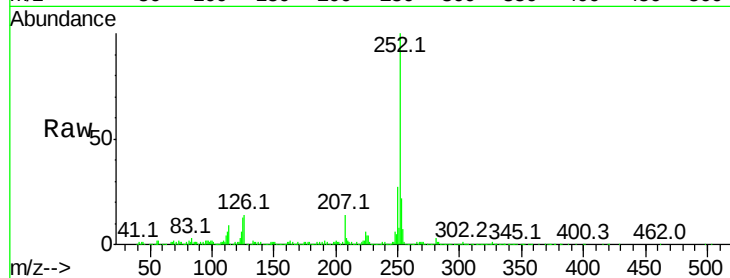
Tot Ion:252 Resp: 537142

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

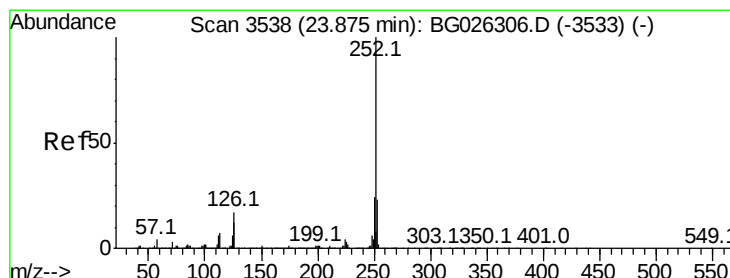
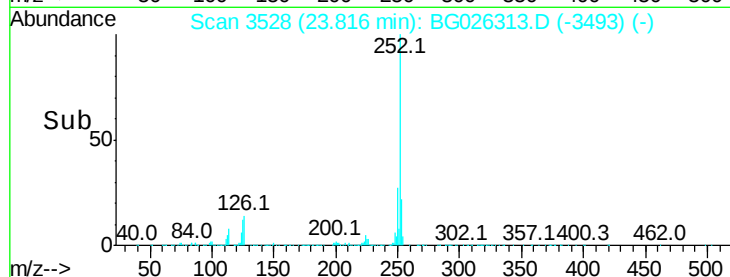
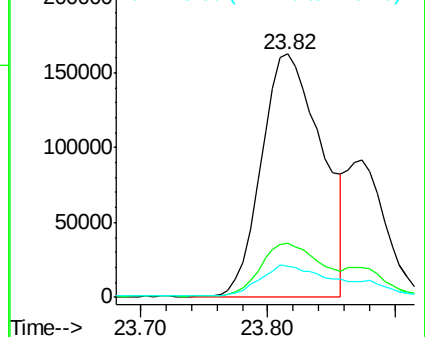
125 12.9 9.4 14.0



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: 10.15 ng/ul

RT: 23.82 min Scan# 3528

Delta R.T. -0.06 min

Lab File: BG026313.D

Acq: 18 Mar 2017 11:40

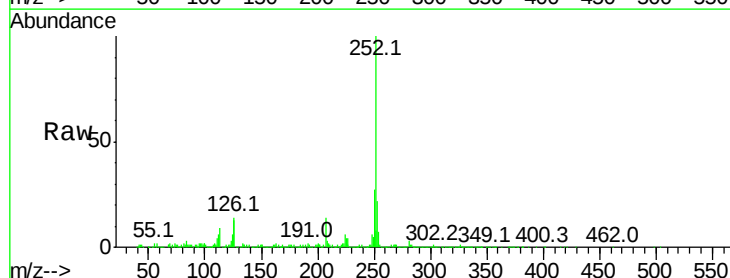
Tgt Ion:252 Resp: 537142

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.2

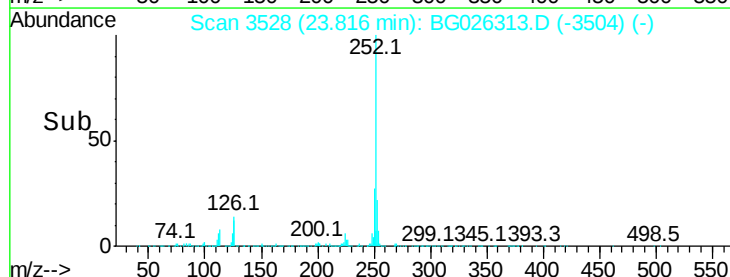
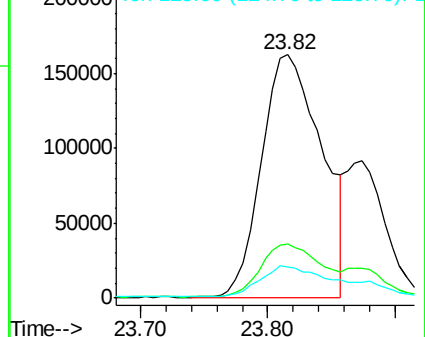
125 12.9 8.8 13.2

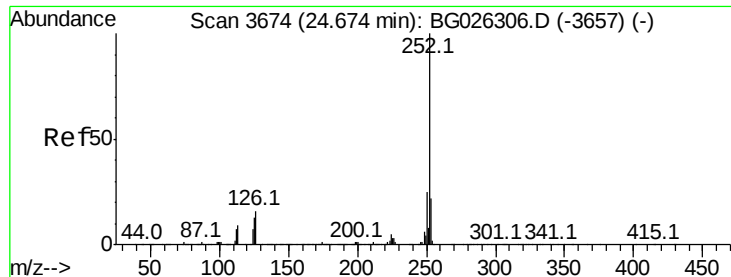


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

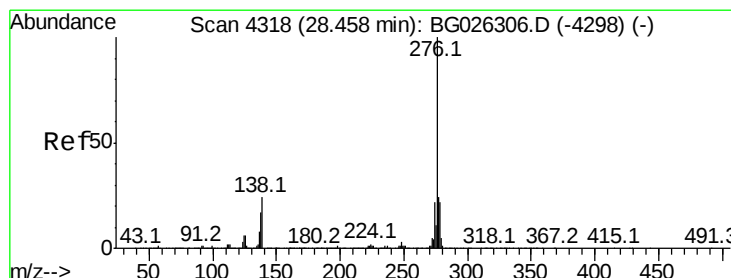
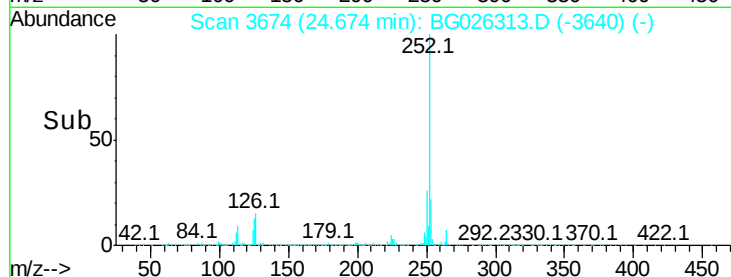
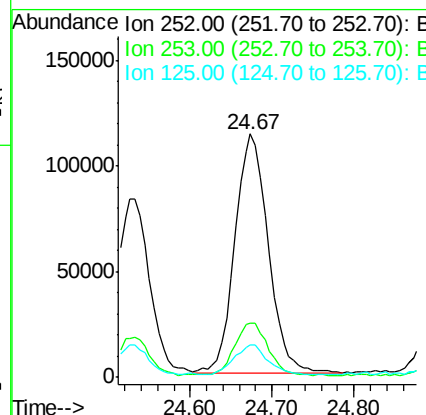
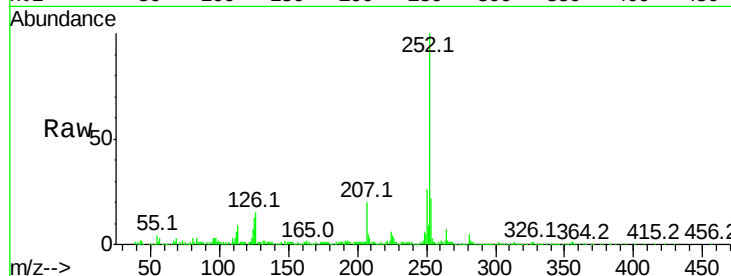




#27
Benzo(a)pyrene
Concen: 6.24 ng/ul
RT: 24.67 min Scan# 3674
Delta R.T. -0.00 min
Lab File: BG026313.D
Acq: 18 Mar 2017 11:40

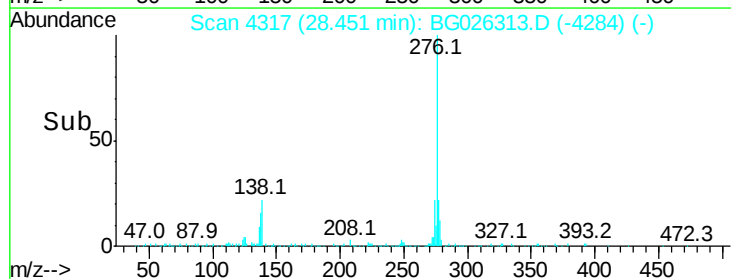
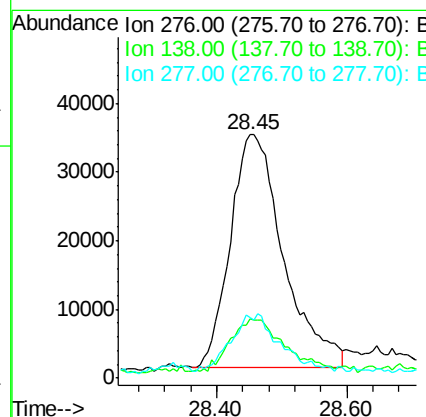
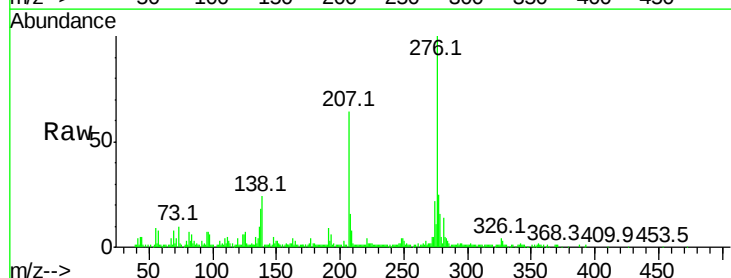
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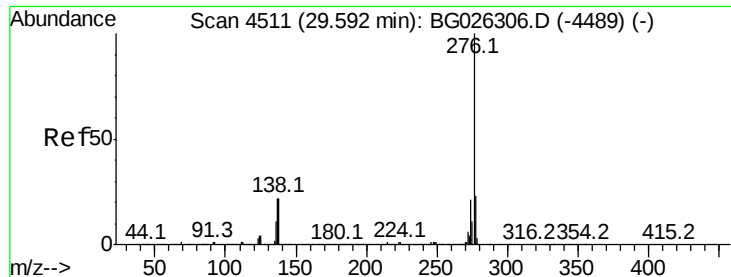
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	13.5	9.4	14.2



#28
Indeno(1,2,3-cd)pyrene
Concen: 3.36 ng/ul
RT: 28.45 min Scan# 4317
Delta R.T. -0.01 min
Lab File: BG026313.D
Acq: 18 Mar 2017 11:40

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.5	17.8	26.6
277	25.0	19.4	29.0





#30

Benzo(a,h,i)perylene

Concen: 2.69 ng/ul

RT: 29.59 min Scan# 4510

Delta R.T. -0.01 min

Lab File: BG026313.D

Acq: 18 Mar 2017 11:40

Instrument :

BNA_G

ClientSampleId :

CB313

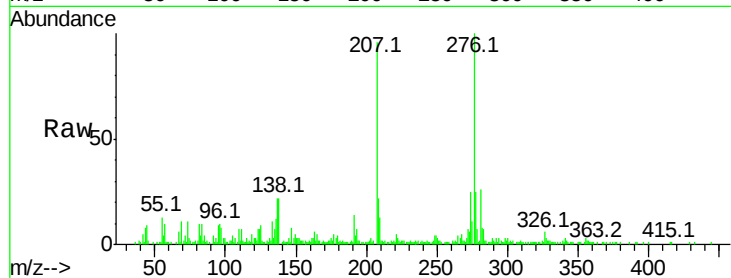
Tot Ion:276 Resp: 130834

Ion Ratio Lower Upper

276 100

138 22.4 19.0 28.4

277 24.5 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

