

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031317\
 Data File : BG026215.D
 Acq On : 13 Mar 2017 17:11
 Operator : SJ/MA
 Sample : I2217-12
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 15 05:54:31 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

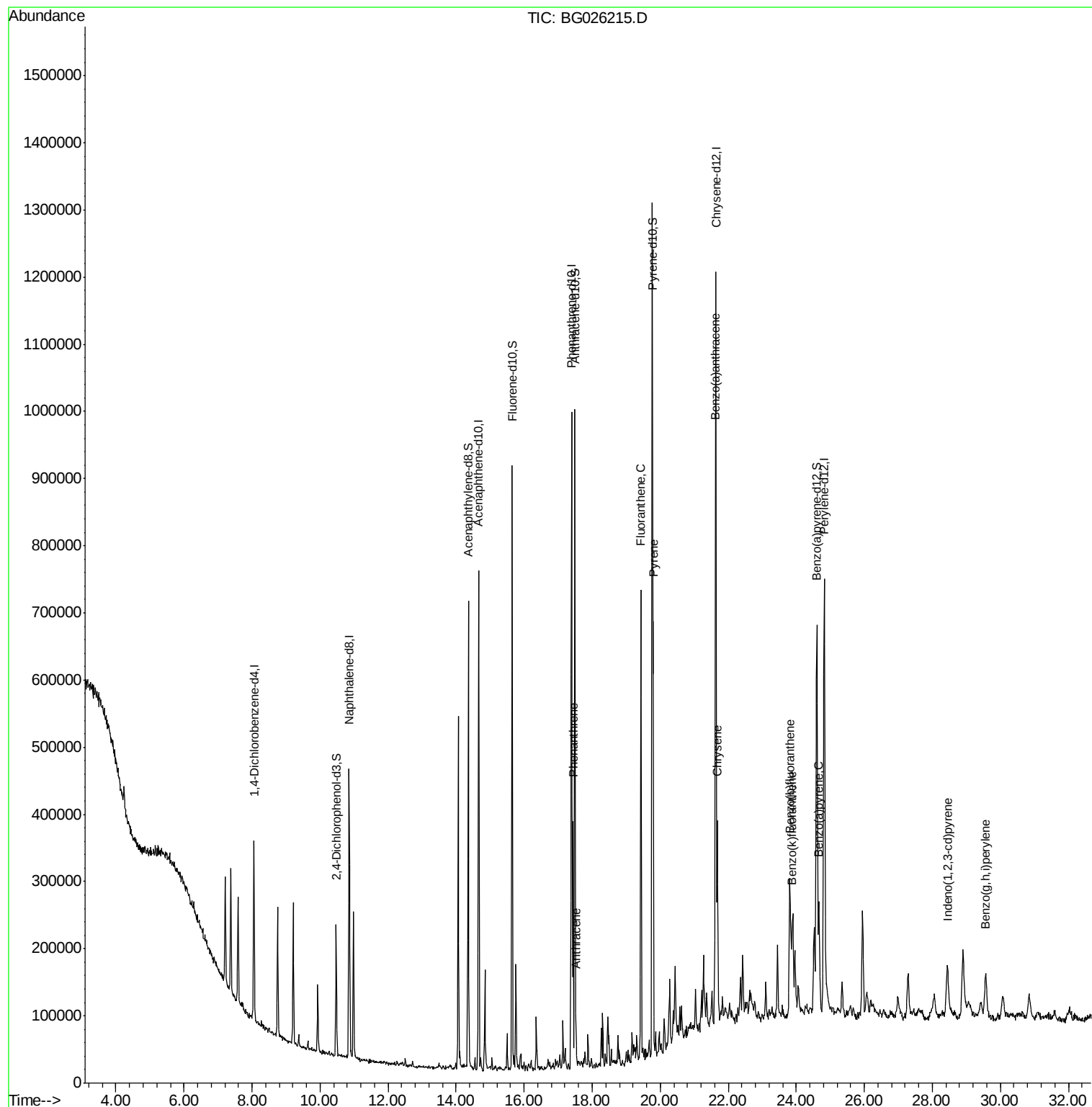
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	76542	20.00	ng/ul	0.00
2) Naphthalene-d8	10.85	136	377196	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.66	164	240761	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.39	188	592990	20.00	ng/ul	0.00
18) Chrysene-d12	21.64	240	619548	20.00	ng/ul	0.00
23) Perylene-d12	24.82	264	588332	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.47	165	81666	14.62	ng/uL	0.00
7) Acenaphthylene-d8	14.36	160	507198	24.71	ng/ul	0.00
10) Fluorene-d10	15.65	176	377394	25.20	ng/ul	0.00
15) Anthracene-d10	17.49	188	573740	21.77	ng/ul	0.00
19) Pyrene-d10	19.77	212	632510	20.01	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.60	264	574170	22.63	ng/ul	0.00
Target Compounds				Qvalue		
14) Phenanthrene	17.43	178	226068	7.19	ng/ul	99
16) Anthracene	17.52	178	35947	1.13	ng/ul	95
17) Fluoranthene	19.43	202	400672	12.28	ng/ul	99
20) Pyrene	19.79	202	374359	9.49	ng/ul	99
21) Benzo(a)anthracene	21.62	228	196554	5.70	ng/ul	97
22) Chrysene	21.68	228	205761	6.40	ng/ul	98
24) Benzo(b)fluoranthene	23.82	252	262731	7.87	ng/ul#	96
25) Benzo(k)fluoranthene	23.87	252	81626	2.56	ng/ul#	97
27) Benzo(a)pyrene	24.67	252	152247	4.91	ng/ul	97
28) Indeno(1,2,3-cd)pyrene	28.44	276	116346	3.36	ng/ul	93
30) Benzo(g,h,i)perylene	29.57	276	114811	3.89	ng/ul#	91

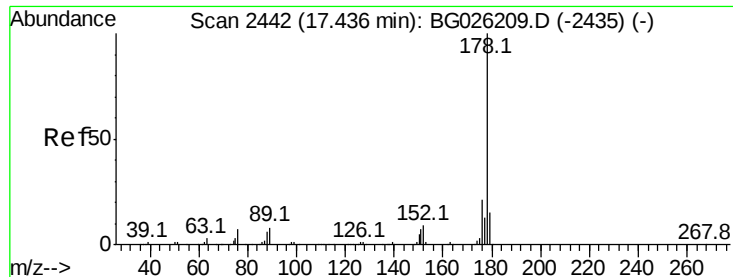
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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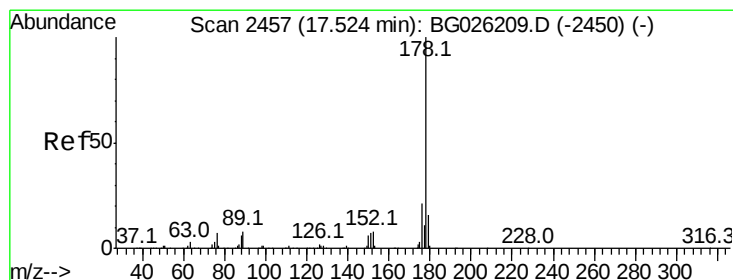
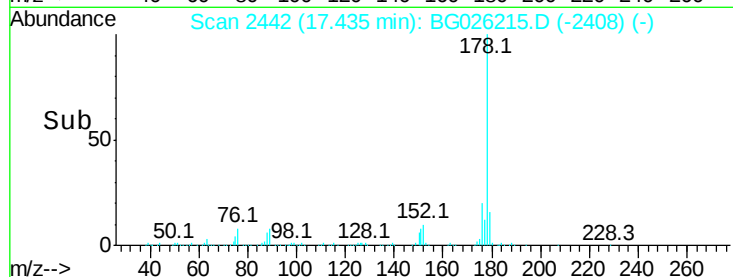
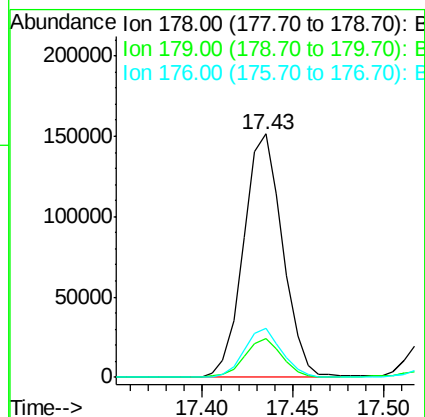
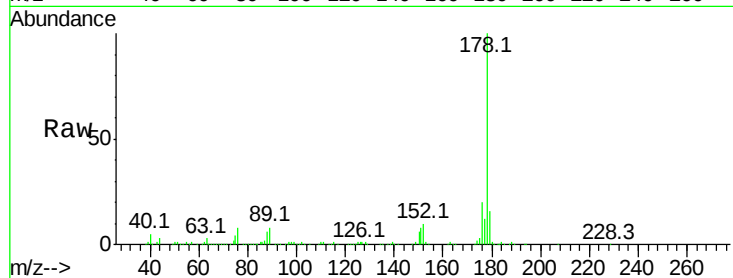




#14
Phenanthrene
Concen: 7.19 ng/ul
RT: 17.43 min Scan# 2442
Delta R.T. -0.00 min
Lab File: BG026215.D
Acq: 13 Mar 2017 17:11

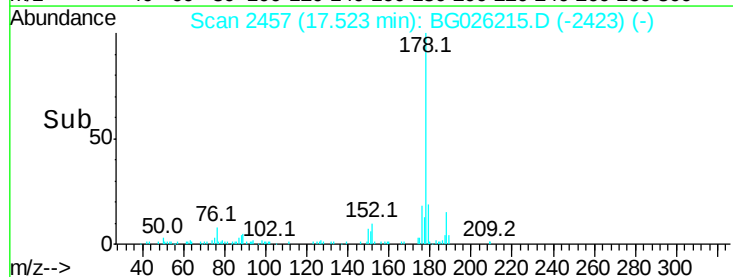
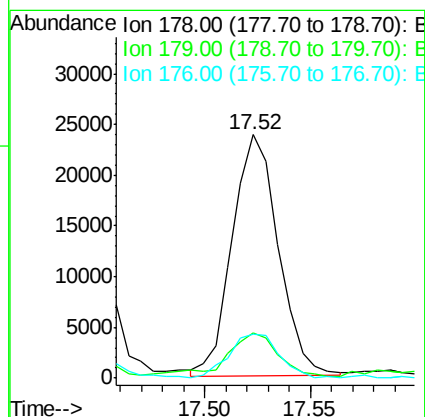
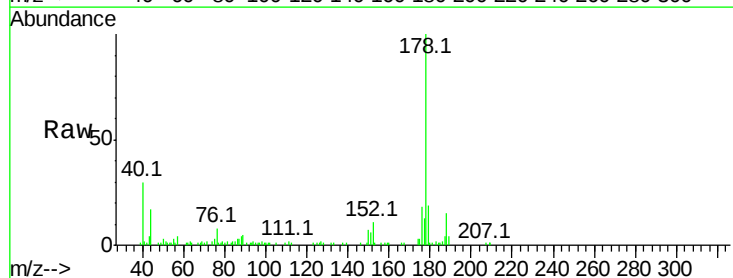
Instrument :
BNA_G
ClientSampleId :

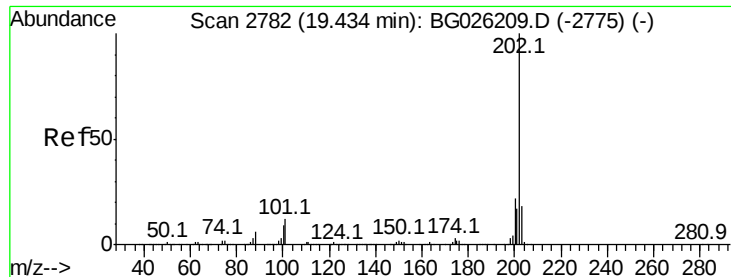
Tot Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.2	18.4
176	20.0	16.4	24.6



#16
Anthracene
Concen: 1.13 ng/ul
RT: 17.52 min Scan# 2457
Delta R.T. -0.00 min
Lab File: BG026215.D
Acq: 13 Mar 2017 17:11

Tgt Ion	Ratio	Lower	Upper
178	100		
179	18.7	12.7	19.1
176	18.2	15.8	23.8

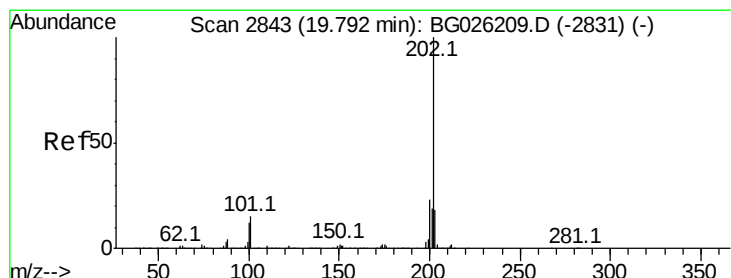
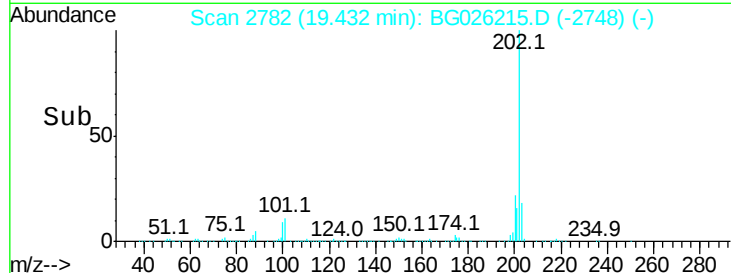
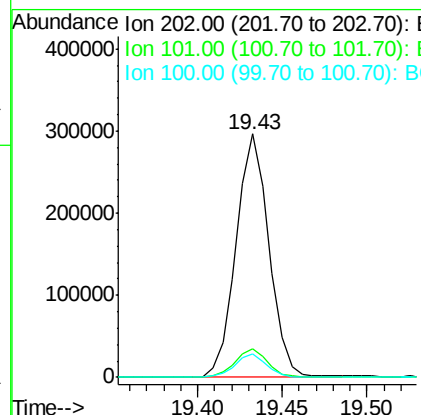
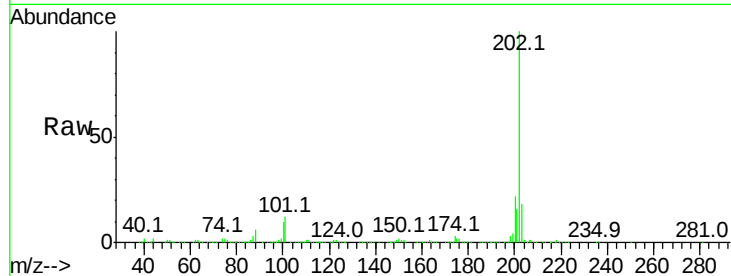




#17
Fluoranthene
 Concen: 12.28 ng/ul
 RT: 19.43 min Scan# 2782
 Delta R.T. -0.00 min
 Lab File: BG026215.D
 Acq: 13 Mar 2017 17:11

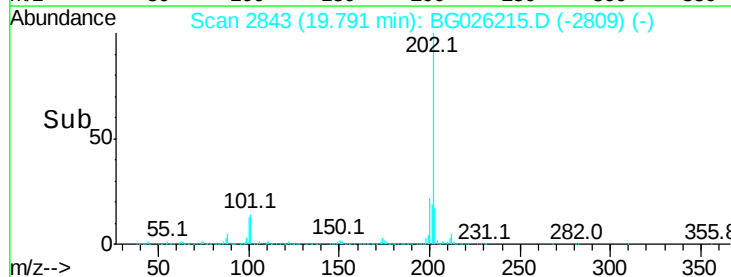
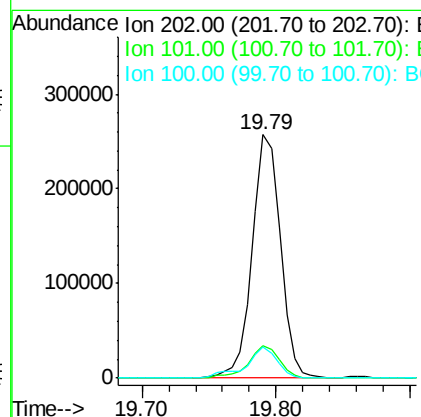
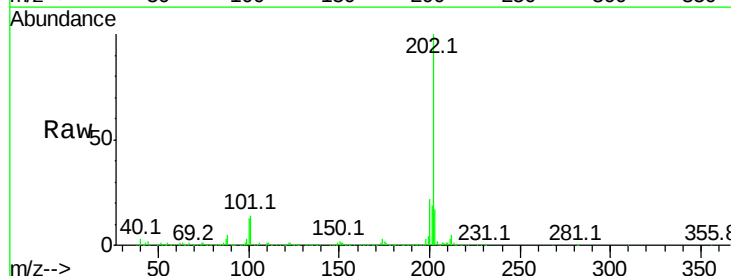
Instrument :
 BNA_G
 ClientSampleId :

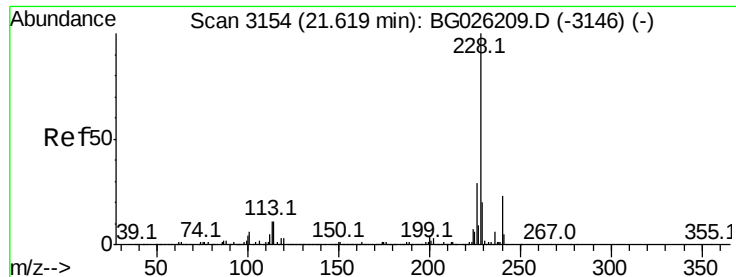
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.5	9.8	14.8
100	9.5	7.5	11.3



#20
Pyrene
 Concen: 9.49 ng/ul
 RT: 19.79 min Scan# 2843
 Delta R.T. -0.00 min
 Lab File: BG026215.D
 Acq: 13 Mar 2017 17:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.5	11.2	16.8
100	12.6	9.8	14.6





#21

Benzo(a)anthracene

Concen: 5.70 ng/ul

RT: 21.62 min Scan# 3154

Delta R.T. -0.00 min

Lab File: BG026215.D

Acq: 13 Mar 2017 17:11

Instrument :

BNA_G

ClientSampleId :

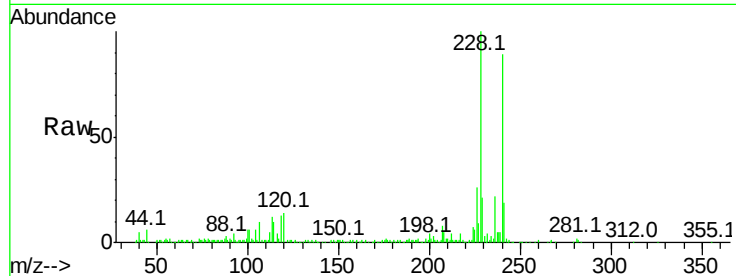
Tot Ion:228 Resp: 196554

Ion Ratio Lower Upper

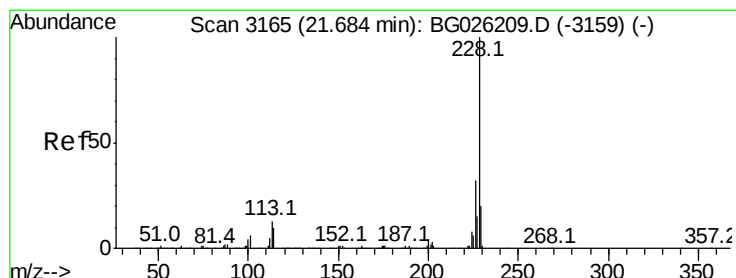
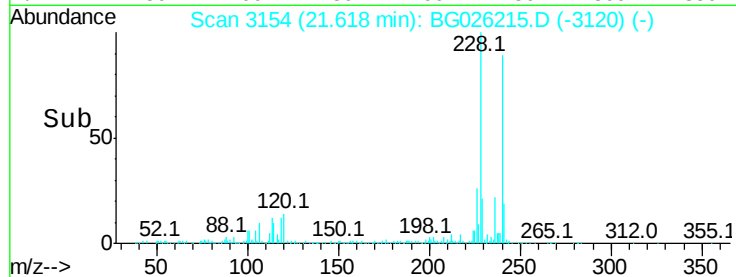
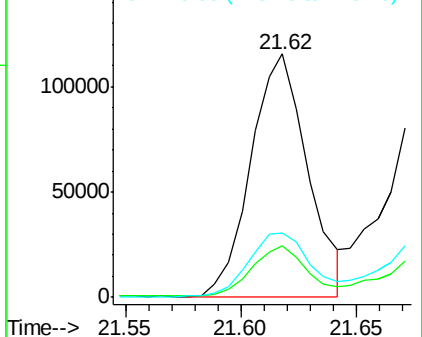
228 100

229 21.0 15.9 23.9

226 26.3 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: 6.40 ng/ul

RT: 21.68 min Scan# 3164

Delta R.T. -0.01 min

Lab File: BG026215.D

Acq: 13 Mar 2017 17:11

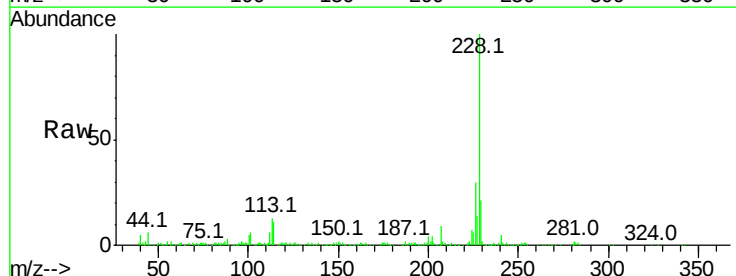
Tgt Ion:228 Resp: 205761

Ion Ratio Lower Upper

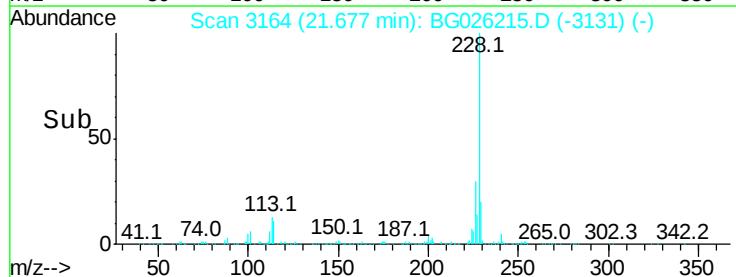
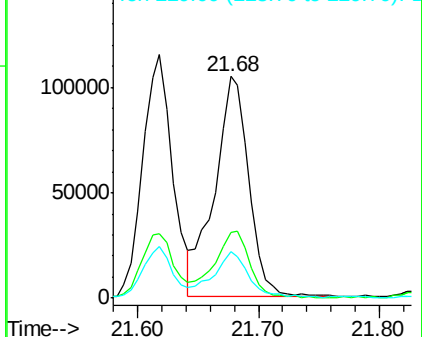
228 100

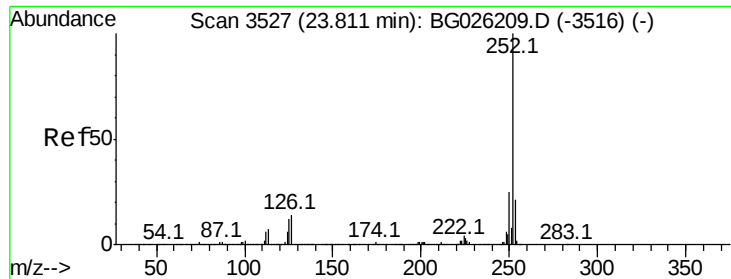
226 29.8 25.0 37.6

229 20.7 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

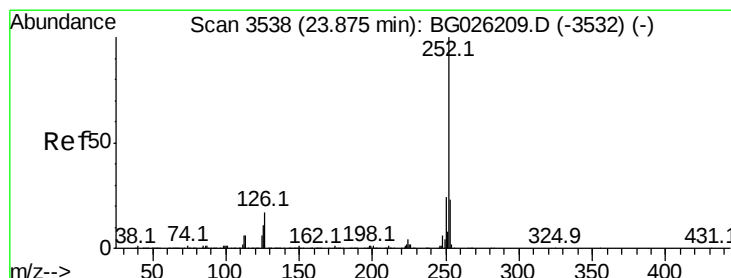
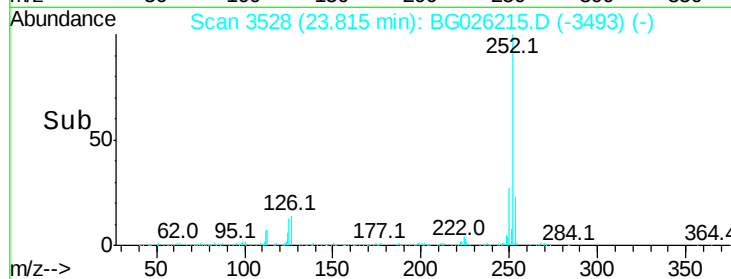
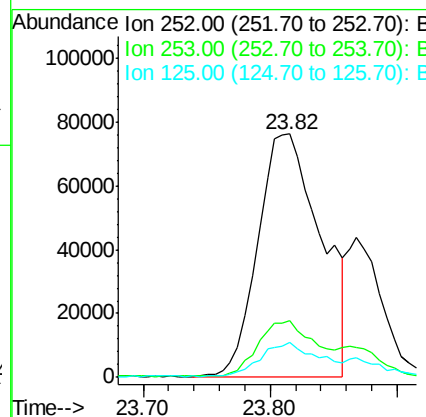
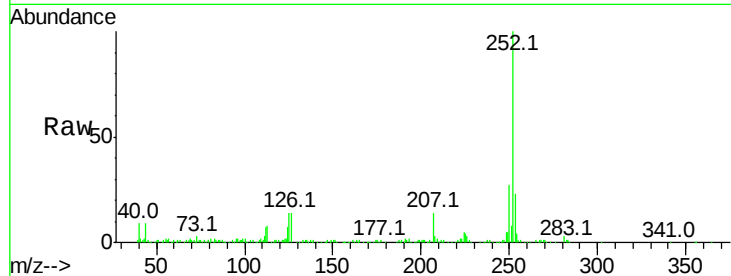




#24
Benzo(b)fluoranthene
Concen: 7.87 ng/ul
RT: 23.82 min Scan# 3528
Delta R.T. 0.00 min
Lab File: BG026215.D
Acq: 13 Mar 2017 17:11

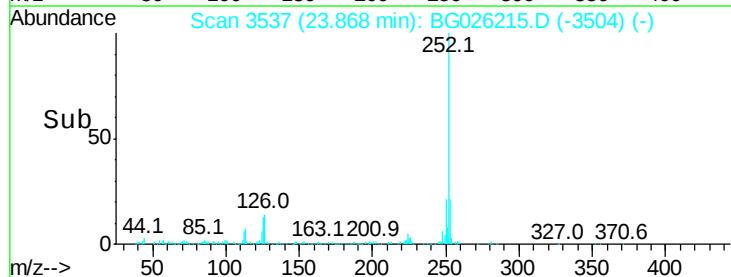
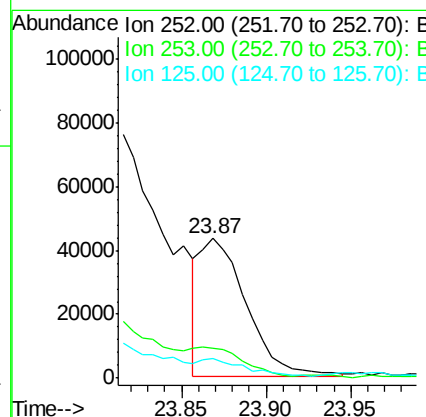
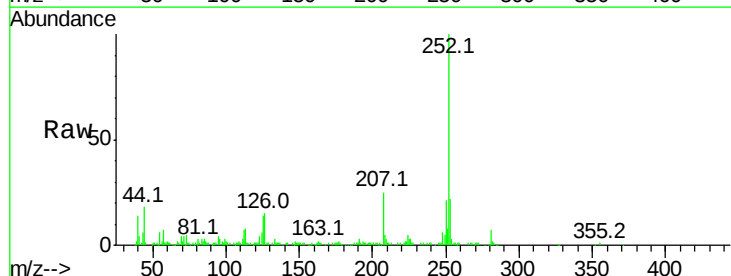
Instrument :
BNA_G
ClientSampleId :

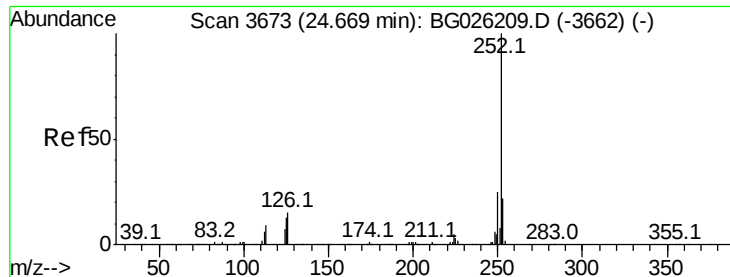
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	14.1	9.4	14.0



#25
Benzo(k)fluoranthene
Concen: 2.56 ng/ul
RT: 23.87 min Scan# 3537
Delta R.T. -0.01 min
Lab File: BG026215.D
Acq: 13 Mar 2017 17:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	14.0	8.8	13.2





#27

Benzo(a)pyrene

Concen: 4.91 ng/ul

RT: 24.67 min Scan# 3673

Delta R.T. -0.00 min

Lab File: BG026215.D

Acq: 13 Mar 2017 17:11

Instrument :

BNA_G

ClientSampleId :

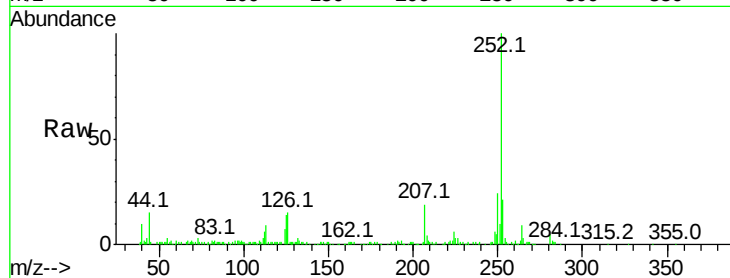
Tot Ion:252 Resp: 152247

Ion Ratio Lower Upper

252 100

253 20.6 17.1 25.7

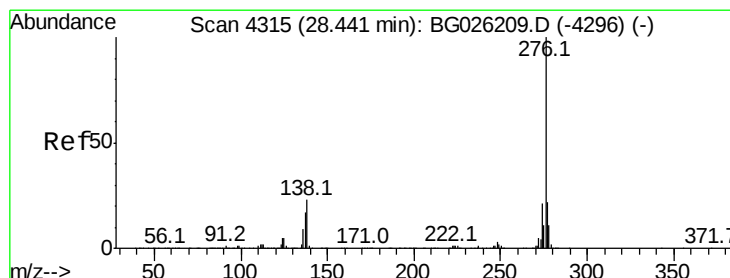
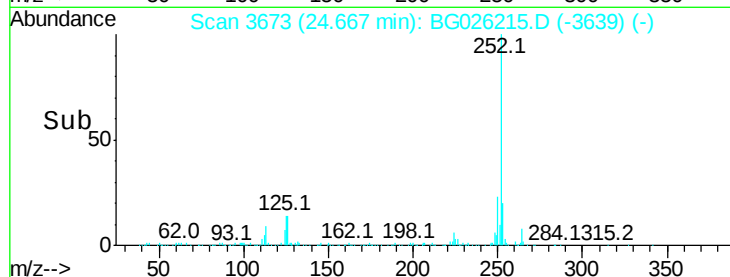
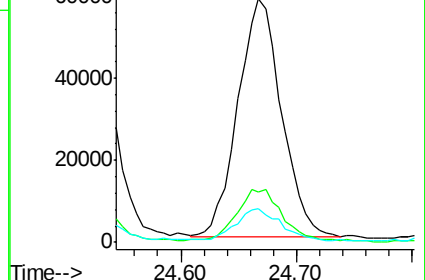
125 14.0 9.4 14.2



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: 3.36 ng/ul

RT: 28.44 min Scan# 4315

Delta R.T. -0.00 min

Lab File: BG026215.D

Acq: 13 Mar 2017 17:11

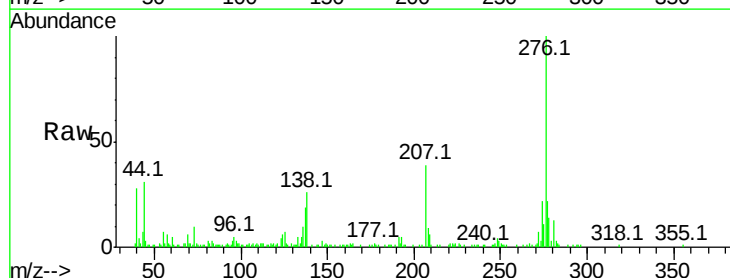
Tgt Ion:276 Resp: 116346

Ion Ratio Lower Upper

276 100

138 26.4 17.8 26.6

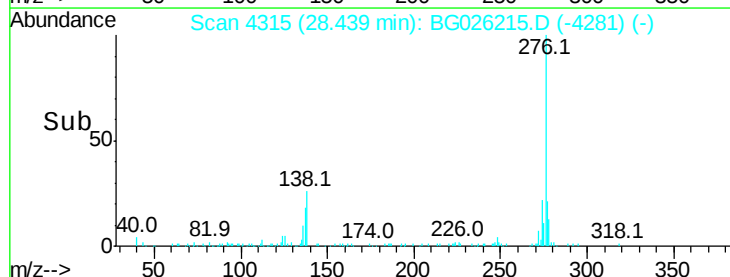
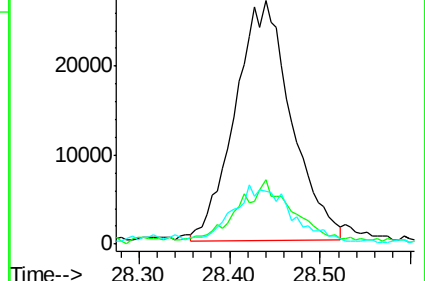
277 21.6 19.4 29.0

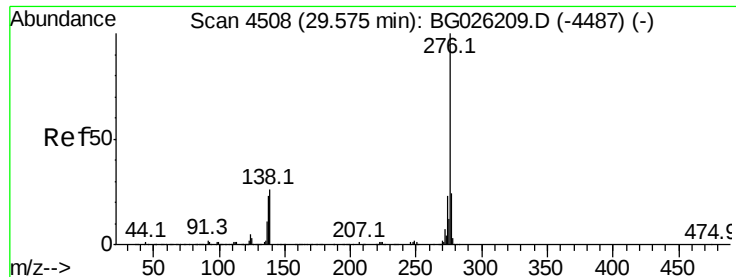


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#30

Benzo(a,h,i)perylene

Concen: 3.89 ng/ul

RT: 29.57 min Scan# 4507

Delta R.T. -0.01 min

Lab File: BG026215.D

Acq: 13 Mar 2017 17:11

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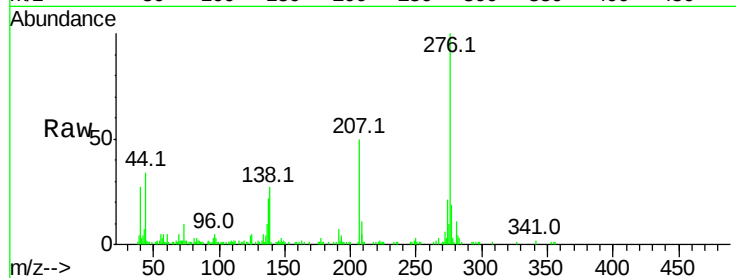
Tot Ion:276 Resp: 114811

Ion Ratio Lower Upper

276 100

138 27.4 19.0 28.4

277 19.5 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

