

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031317\
 Data File : BG026218.D
 Acq On : 13 Mar 2017 19:09
 Operator : SJ/MA
 Sample : I2217-15
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 15 05:55:01 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

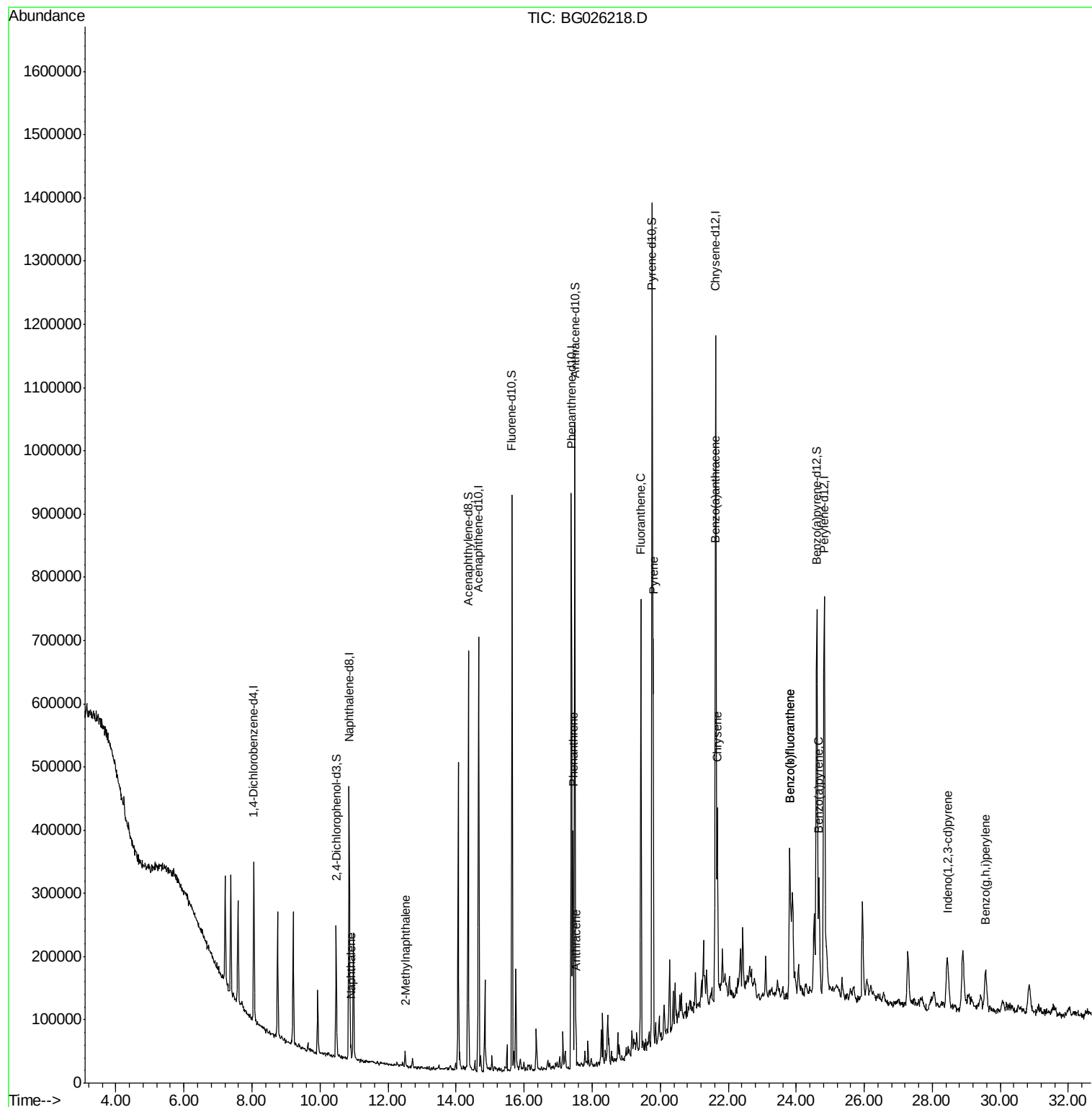
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	71271	20.00	ng/ul	0.00
2) Naphthalene-d8	10.86	136	370460	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.66	164	231878	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.39	188	557798	20.00	ng/ul	0.00
18) Chrysene-d12	21.64	240	577799	20.00	ng/ul	0.00
23) Perylene-d12	24.82	264	545075	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.47	165	84169	15.34	ng/uL	0.00
7) Acenaphthylene-d8	14.36	160	501003	25.34	ng/ul	0.00
10) Fluorene-d10	15.64	176	370289	25.68	ng/ul	0.00
15) Anthracene-d10	17.49	188	561387	22.65	ng/ul	0.00
19) Pyrene-d10	19.76	212	635266	21.55	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.60	264	596588	25.38	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.90	128	20649	1.14	ng/ul#	95
5) 2-Methylnaphthalene	12.51	142	14346	1.07	ng/ul	81
14) Phenanthrene	17.44	178	237324	8.03	ng/ul	99
16) Anthracene	17.52	178	46690	1.56	ng/ul	96
17) Fluoranthene	19.43	202	431381	14.06	ng/ul	99
20) Pyrene	19.79	202	379286	10.31	ng/ul	98
21) Benzo(a)anthracene	21.61	228	219401	6.82	ng/ul	100
22) Chrysene	21.68	228	203609	6.79	ng/ul	99
24) Benzo(b)fluoranthene	23.81	252	272741	8.81	ng/ul#	94
25) Benzo(k)fluoranthene	23.81	252	272741	9.23	ng/ul#	93
27) Benzo(a)pyrene	24.67	252	178314	6.20	ng/ul#	96
28) Indeno(1,2,3-cd)pyrene	28.43	276	124570	3.89	ng/ul	98
30) Benzo(a,h,i)perylene	29.56	276	63616	2.33	ng/ul	99

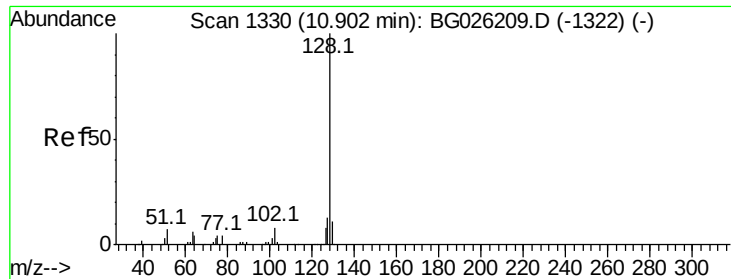
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 1.14 ng/ul

RT: 10.90 min Scan# 1330

Delta R.T. 0.00 min

Lab File: BG026218.D

Acq: 13 Mar 2017 19:09

Instrument :

BNA_G

ClientSampleId :

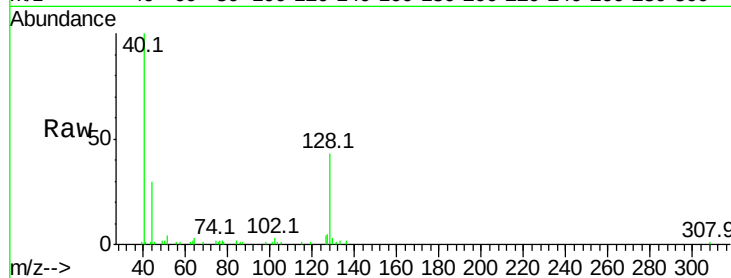
Tot Ion:128 Resp: 20649

Ion Ratio Lower Upper

128 100

129 8.1 9.1 13.7#

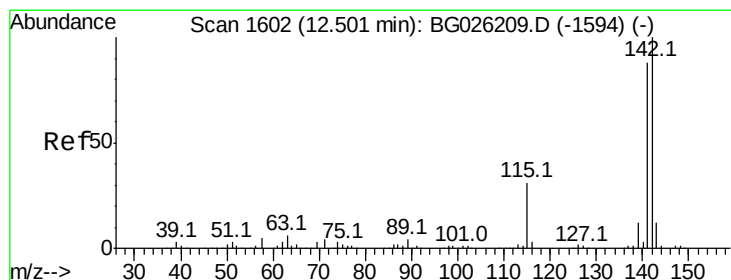
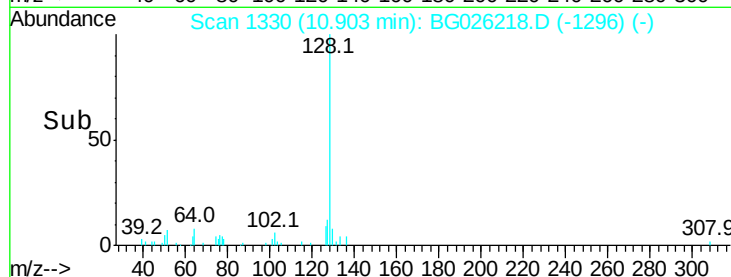
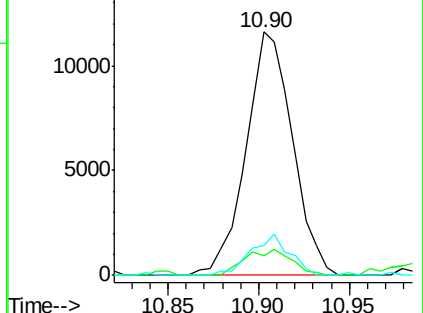
127 12.3 10.6 15.8



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



#5

2-Methylnaphthalene

Concen: 1.07 ng/ul

RT: 12.51 min Scan# 1603

Delta R.T. 0.01 min

Lab File: BG026218.D

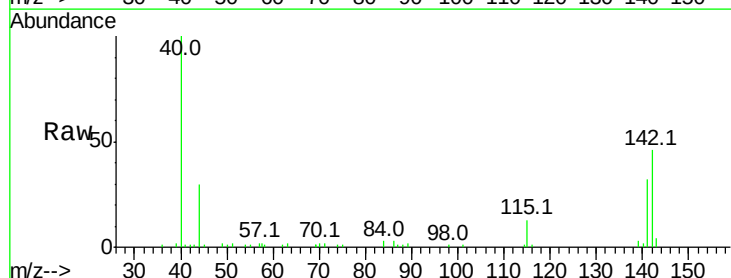
Acq: 13 Mar 2017 19:09

Tgt Ion:142 Resp: 14346

Ion Ratio Lower Upper

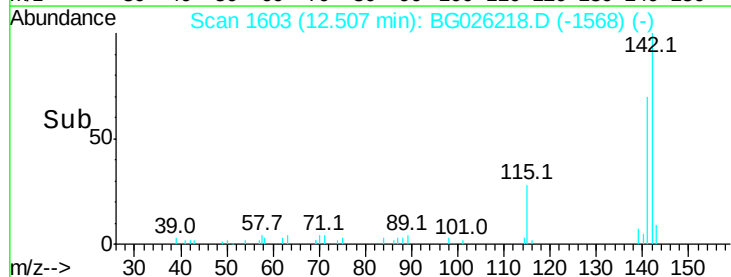
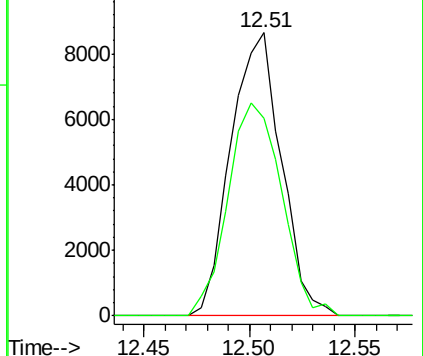
142 100

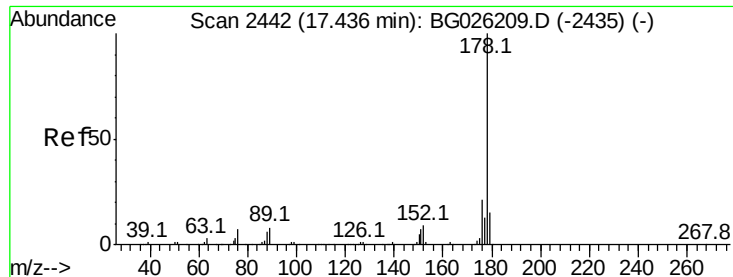
141 70.0 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#14

Phenanthrene

Concen: 8.03 ng/ul

RT: 17.44 min Scan# 2442

Delta R.T. 0.00 min

Lab File: BG026218.D

Acq: 13 Mar 2017 19:09

Instrument :

BNA_G

ClientSampleId :

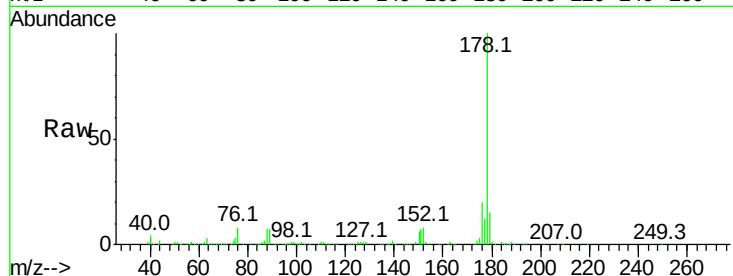
Tot Ion:178 Resp: 237324

Ion Ratio Lower Upper

178 100

179 14.8 12.2 18.4

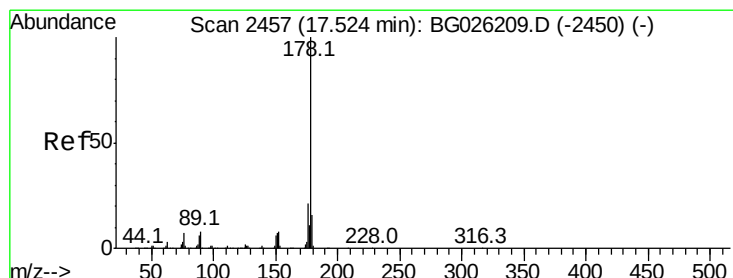
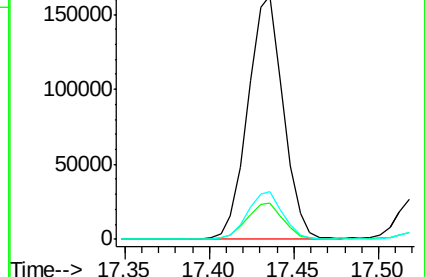
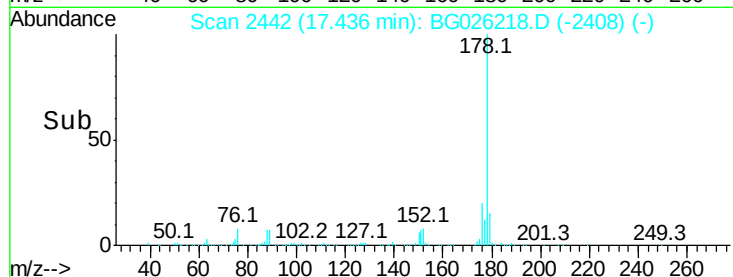
176 19.8 16.4 24.6



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: 1.56 ng/ul

RT: 17.52 min Scan# 2457

Delta R.T. 0.00 min

Lab File: BG026218.D

Acq: 13 Mar 2017 19:09

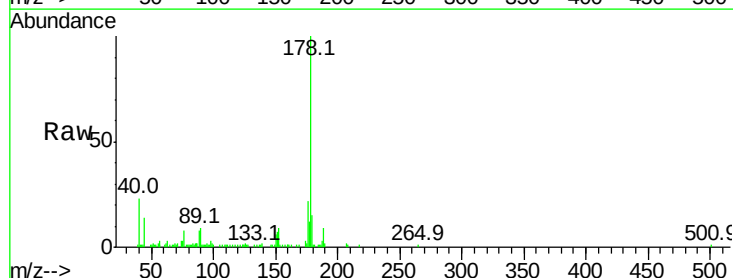
Tgt Ion:178 Resp: 46690

Ion Ratio Lower Upper

178 100

179 14.8 12.7 19.1

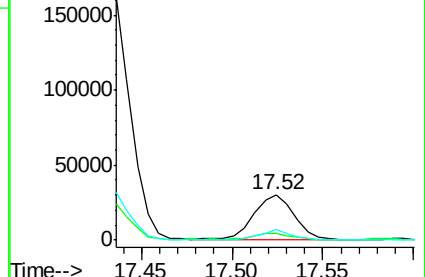
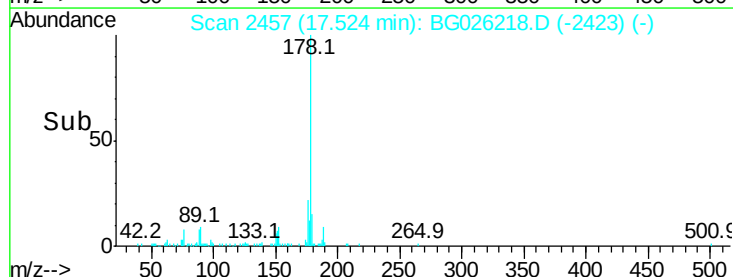
176 22.3 15.8 23.8

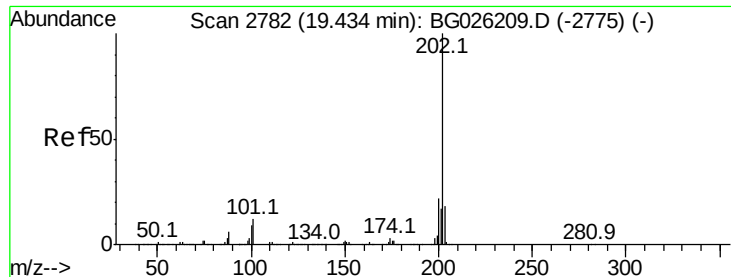


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

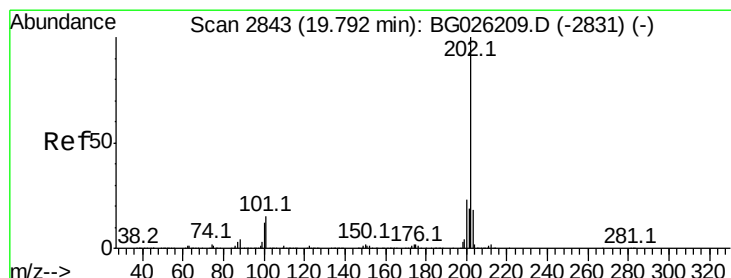
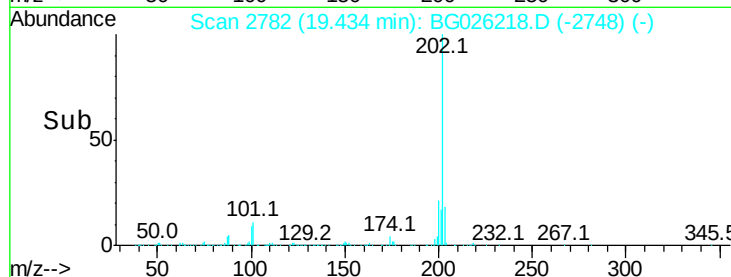
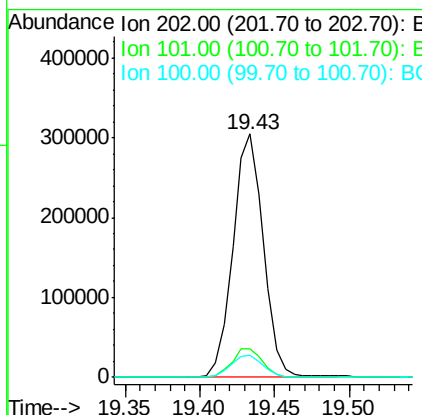
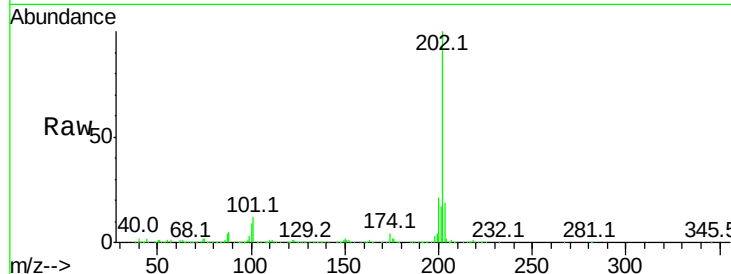




#17
 Fluoranthene
 Concen: 14.06 ng/ul
 RT: 19.43 min Scan# 2782
 Delta R.T. 0.00 min
 Lab File: BG026218.D
 Acq: 13 Mar 2017 19:09

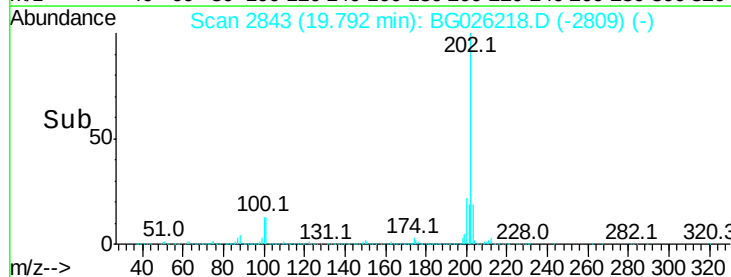
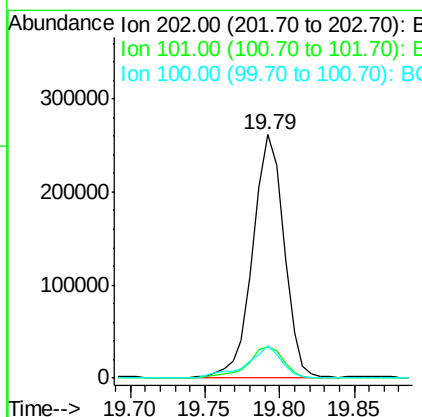
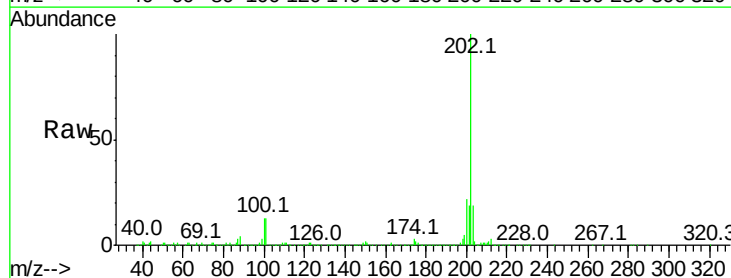
Instrument :
 BNA_G
 ClientSampleId :

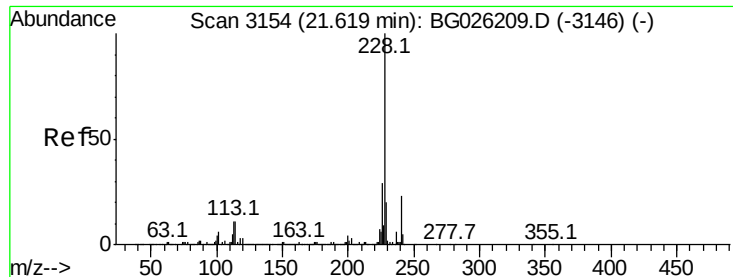
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.6	9.8	14.8
100	9.3	7.5	11.3



#20
 Pyrene
 Concen: 10.31 ng/ul
 RT: 19.79 min Scan# 2843
 Delta R.T. 0.00 min
 Lab File: BG026218.D
 Acq: 13 Mar 2017 19:09

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.9	11.2	16.8
100	13.1	9.8	14.6





#21

Benzo(a)anthracene

Concen: 6.82 ng/ul

RT: 21.61 min Scan# 3153

Delta R.T. -0.01 min

Lab File: BG026218.D

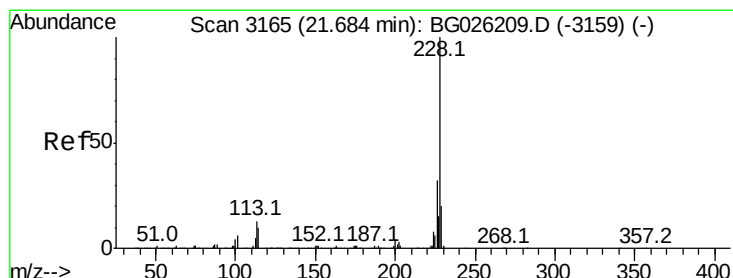
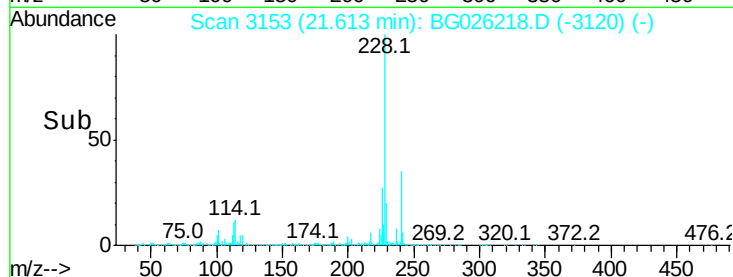
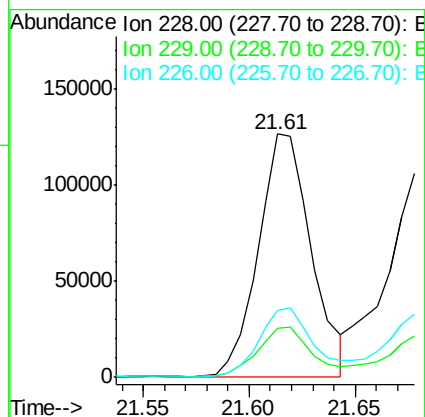
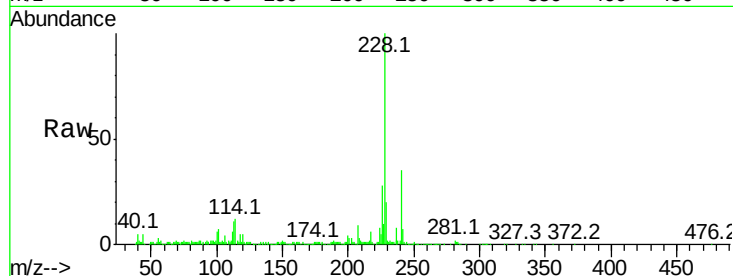
Acq: 13 Mar 2017 19:09

Instrument :

BNA_G

ClientSampleId :

Tot Ion:228	Resp:	219401
Ion Ratio	Lower	Upper
228	100	
229	20.2	15.9 23.9
226	27.5	22.1 33.1



#22

Chrysene

Concen: 6.79 ng/ul

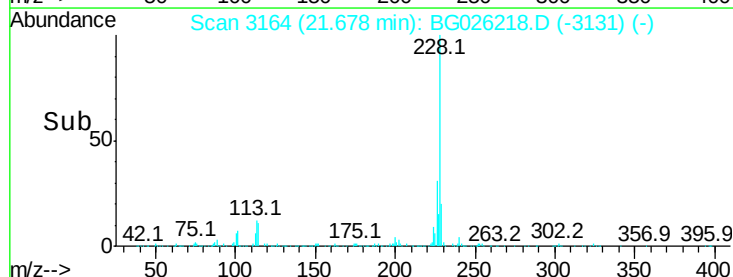
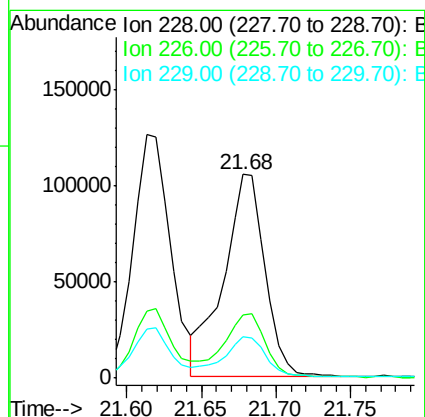
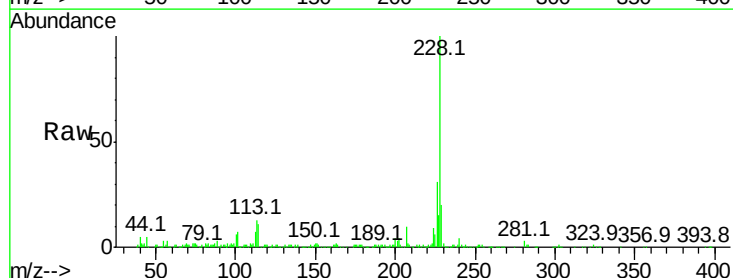
RT: 21.68 min Scan# 3164

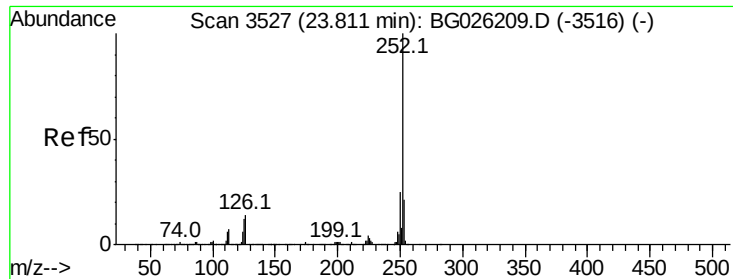
Delta R.T. -0.01 min

Lab File: BG026218.D

Acq: 13 Mar 2017 19:09

Tgt Ion:228	Resp:	203609
Ion Ratio	Lower	Upper
228	100	
226	31.0	25.0 37.6
229	20.4	16.6 25.0





#24

Benzo(b)fluoranthene

Concen: 8.81 ng/ul

RT: 23.81 min Scan# 3527

Delta R.T. 0.00 min

Lab File: BG026218.D

Acq: 13 Mar 2017 19:09

Instrument :

BNA_G

ClientSampleId :

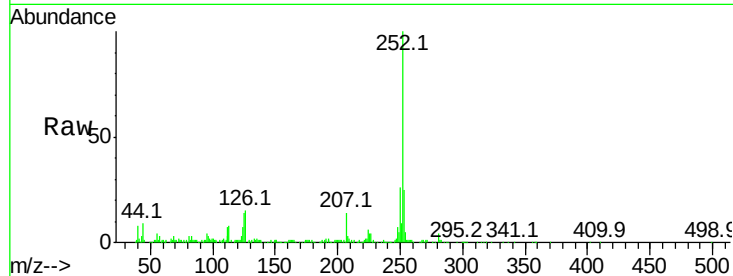
Tot Ion:252 Resp: 272741

Ion Ratio Lower Upper

252 100

253 24.7 17.8 26.6

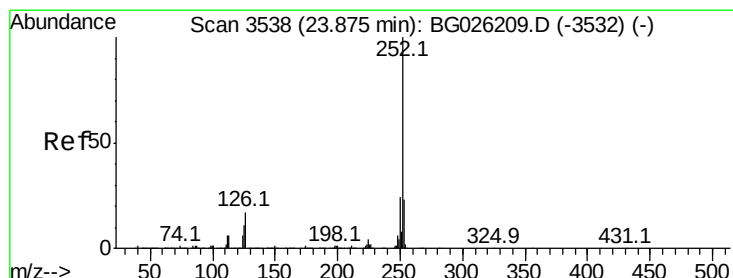
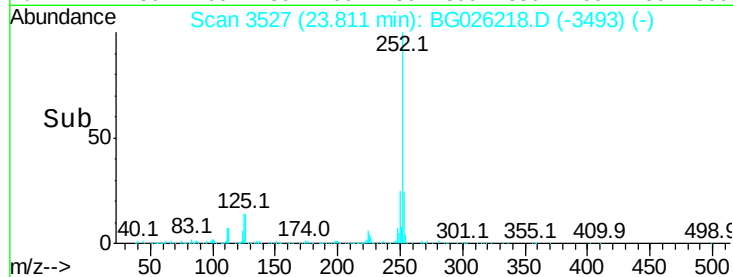
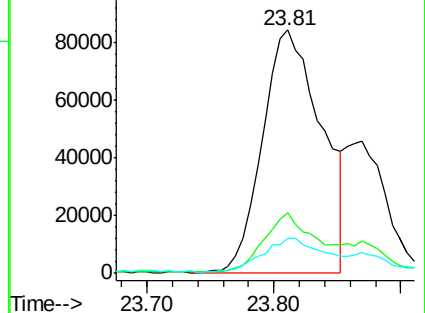
125 14.4 9.4 14.0#



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: 9.23 ng/ul

RT: 23.81 min Scan# 3527

Delta R.T. -0.06 min

Lab File: BG026218.D

Acq: 13 Mar 2017 19:09

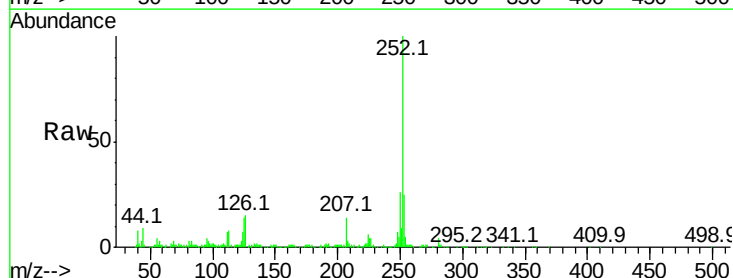
Tgt Ion:252 Resp: 272741

Ion Ratio Lower Upper

252 100

253 24.7 17.4 26.2

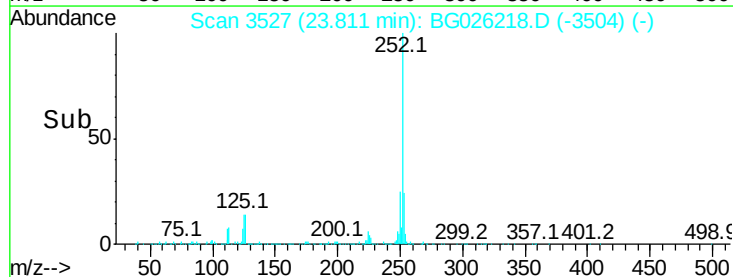
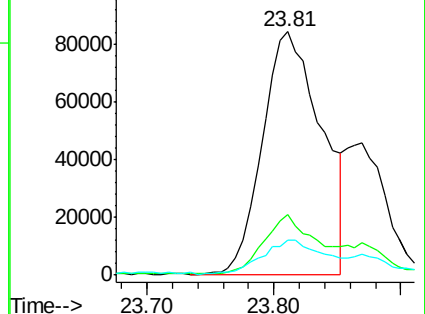
125 14.4 8.8 13.2#

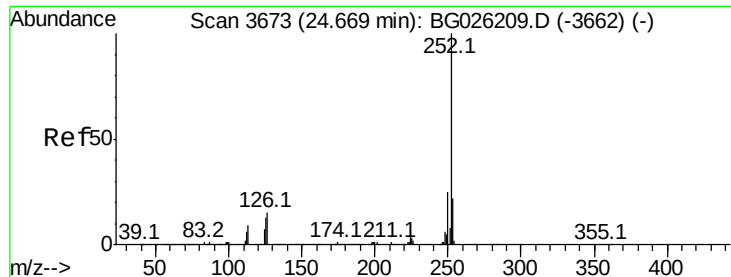


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 6.20 ng/ul

RT: 24.67 min Scan# 3673

Delta R.T. 0.00 min

Lab File: BG026218.D

Acq: 13 Mar 2017 19:09

Instrument :

BNA_G

ClientSampleId :

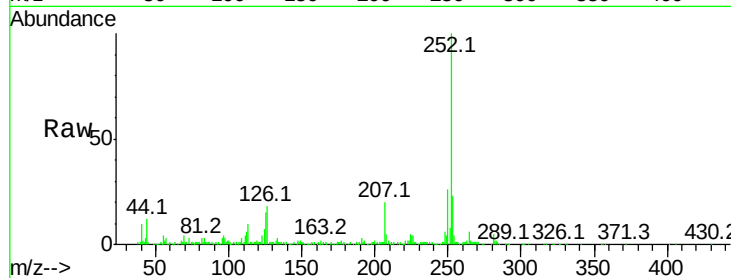
Tot Ion:252 Resp: 178314

Ion Ratio Lower Upper

252 100

253 22.7 17.1 25.7

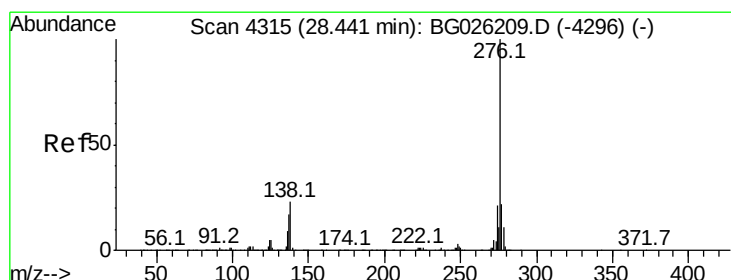
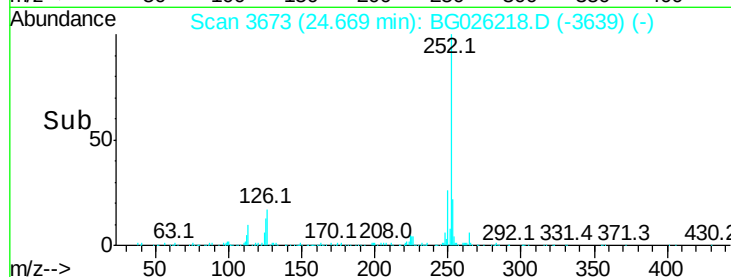
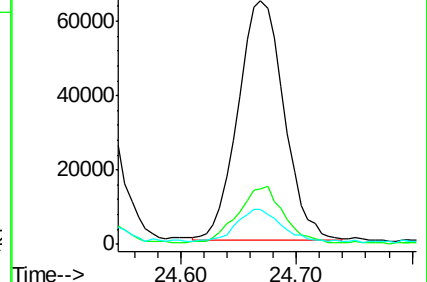
125 14.6 9.4 14.2#



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: 3.89 ng/ul

RT: 28.43 min Scan# 4314

Delta R.T. -0.01 min

Lab File: BG026218.D

Acq: 13 Mar 2017 19:09

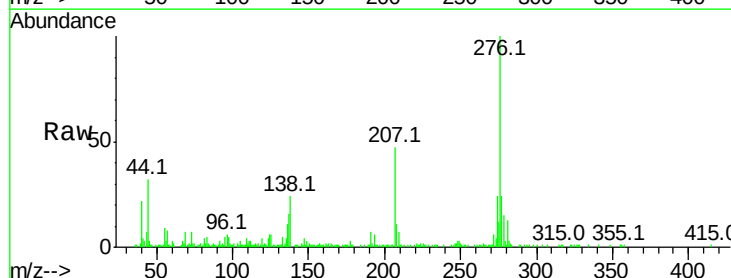
Tgt Ion:276 Resp: 124570

Ion Ratio Lower Upper

276 100

138 24.4 17.8 26.6

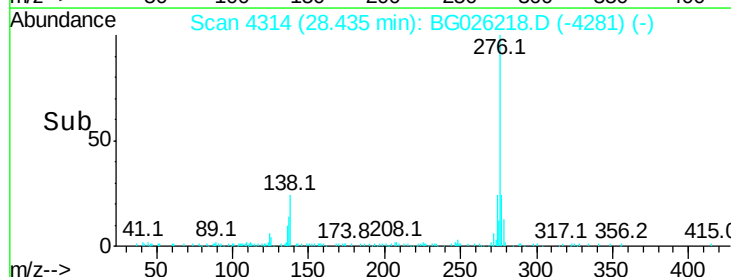
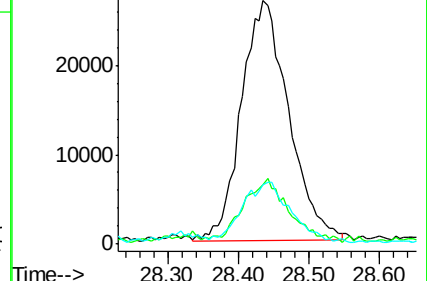
277 24.4 19.4 29.0

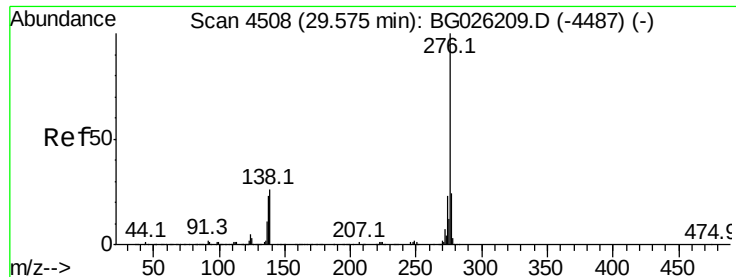


Abundance Ion 276.00 (275.70 to 276.70): E

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: 2.33 ng/ul

RT: 29.56 min Scan# 4505

Delta R.T. -0.02 min

Lab File: BG026218.D

Acq: 13 Mar 2017 19:09

Instrument :

BNA_G

ClientSampleId :

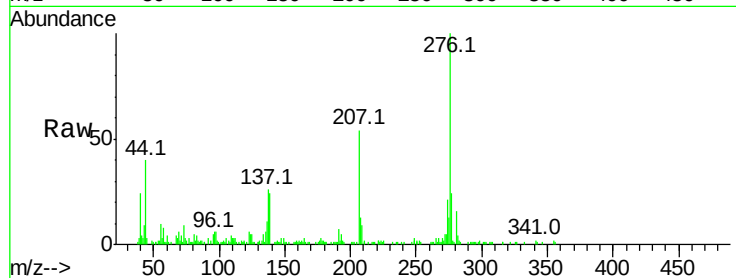
Tot Ion:276 Resp: 63616

Ion Ratio Lower Upper

276 100

138 23.6 19.0 28.4

277 23.9 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

