

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031317\
 Data File : BG026212.D
 Acq On : 13 Mar 2017 13:56
 Operator : SJ/MA
 Sample : I2217-08
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB2X2

Quant Time: Mar 15 17:28:42 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030317-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 15 17:21:10 2017
 Response via : Initial Calibration

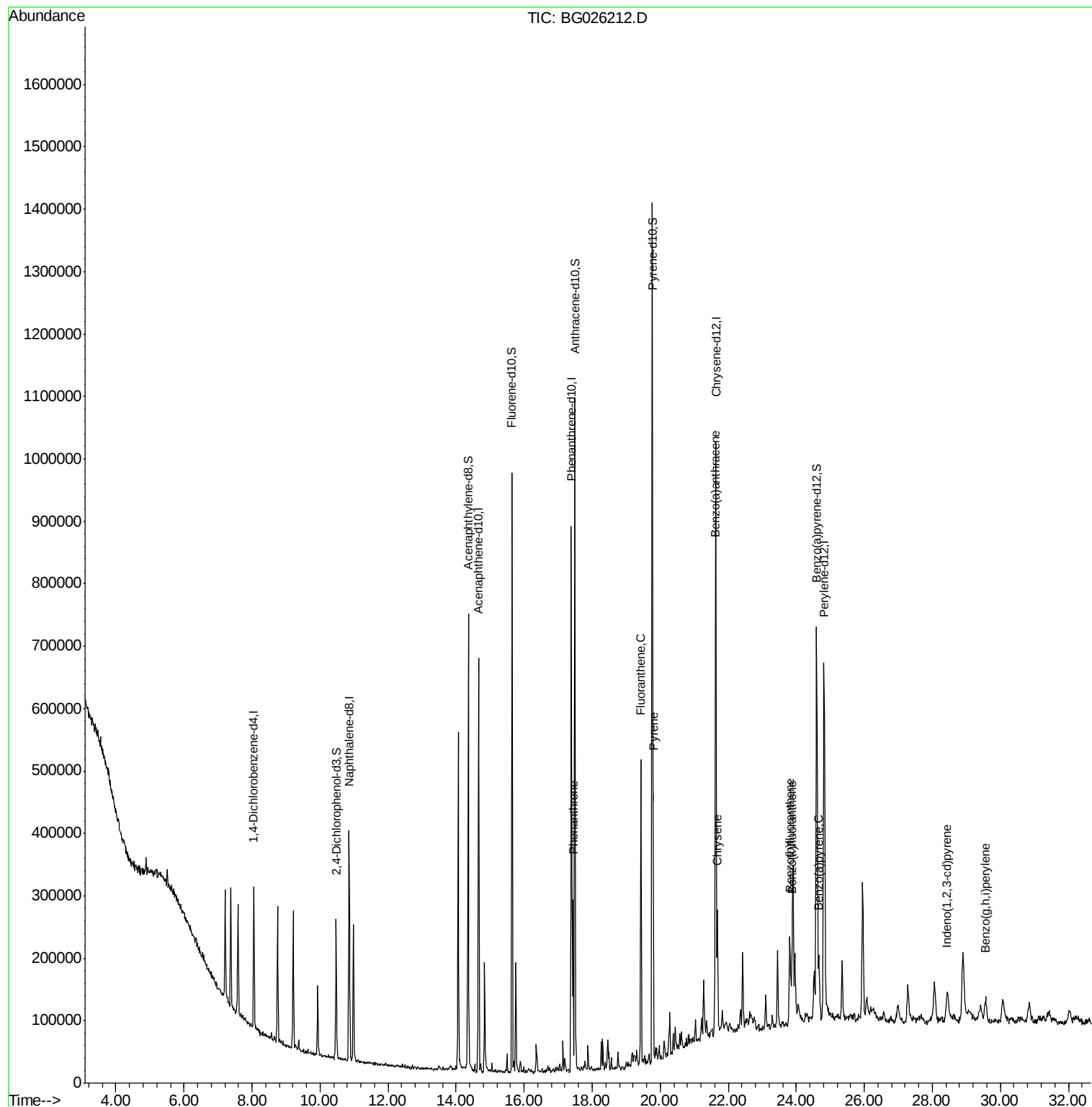
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	66258	20.00	ng/ul	-0.02
2) Naphthalene-d8	10.85	136	326939	20.00	ng/ul	-0.02
6) Acenaphthene-d10	14.66	164	213148	20.00	ng/ul	-0.01
12) Phenanthrene-d10	17.39	188	538569	20.00	ng/ul	-0.02
18) Chrysene-d12	21.64	240	559350	20.00	ng/ul	-0.02
23) Perylene-d12	24.81	264	545474	20.00	ng/ul	-0.03
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.47	165	91121	18.82	ng/uL	-0.01
7) Acenaphthylene-d8	14.36	160	539909	29.71	ng/ul	-0.01
10) Fluorene-d10	15.64	176	405669	30.60	ng/ul	-0.02
15) Anthracene-d10	17.49	188	628095	26.24	ng/ul	-0.02
19) Pyrene-d10	19.77	212	677897	23.75	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.60	264	605664	25.75	ng/ul	-0.03
Target Compounds				Qvalue		
14) Phenanthrene	17.44	178	174642	6.12	ng/ul	97
17) Fluoranthene	19.43	202	297442	10.04	ng/ul	98
20) Pyrene	19.79	202	249197	7.00	ng/ul	99
21) Benzo(a)anthracene	21.62	228	127331	4.09	ng/ul	98
22) Chrysene	21.68	228	123312	4.25	ng/ul	97
24) Benzo(b)fluoranthene	23.80	252	159925	5.16	ng/ul	99
25) Benzo(k)fluoranthene	23.87	252	60222	2.04	ng/ul	95
27) Benzo(a)pyrene	24.67	252	84392	2.93	ng/ul#	94
28) Indeno(1,2,3-cd)pyrene	28.43	276	71971	2.26	ng/ul#	92
30) Benzo(g,h,i)perylene	29.56	276	64062	2.36	ng/ul#	93

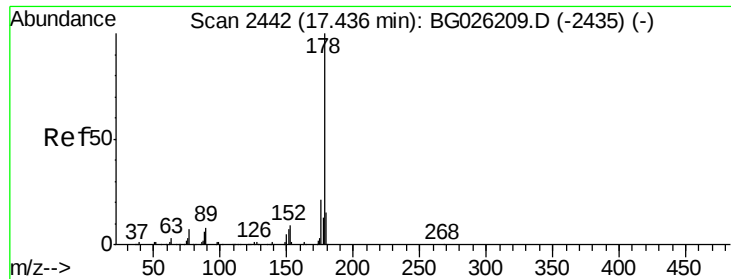
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#14

Phenanthrene

Concen: 6.12 ng/ul

RT: 17.44 min Scan# 2442

Delta R.T. -0.01 min

Lab File: BG026212.D

Acq: 13 Mar 2017 13:56

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CB2X2

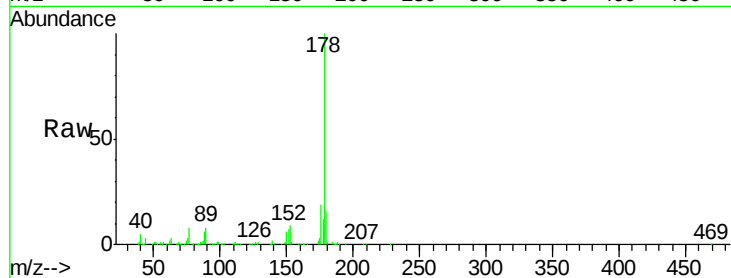
Tgt Ion:178 Resp: 174642

Ion Ratio Lower Upper

178 100

179 15.7 12.2 18.4

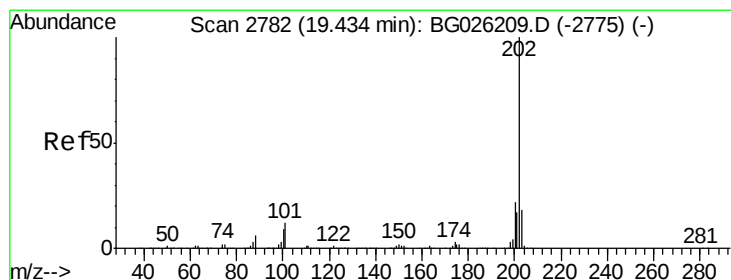
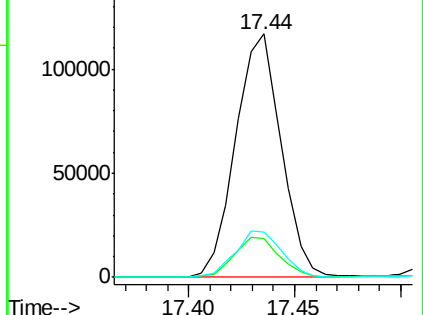
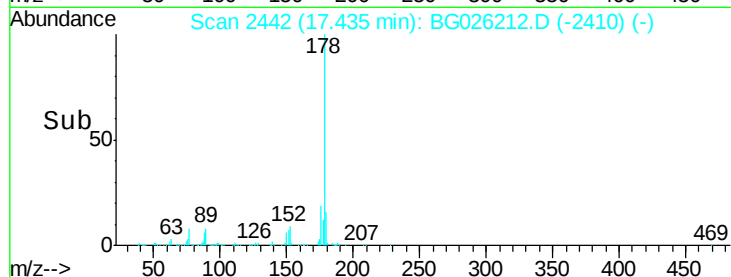
176 18.8 16.4 24.6



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



#17

Fluoranthene

Concen: 10.04 ng/ul

RT: 19.43 min Scan# 2782

Delta R.T. -0.01 min

Lab File: BG026212.D

Acq: 13 Mar 2017 13:56

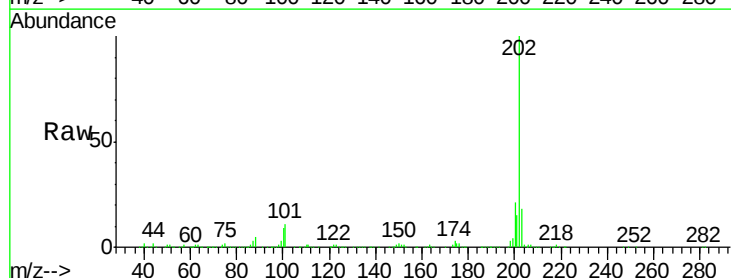
Tgt Ion:202 Resp: 297442

Ion Ratio Lower Upper

202 100

101 11.3 9.8 14.8

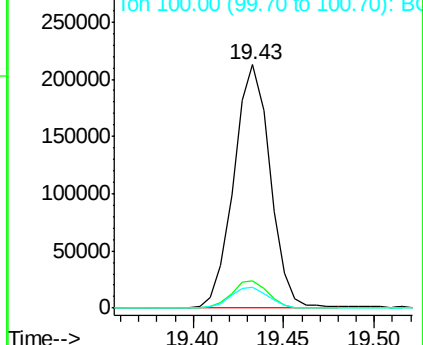
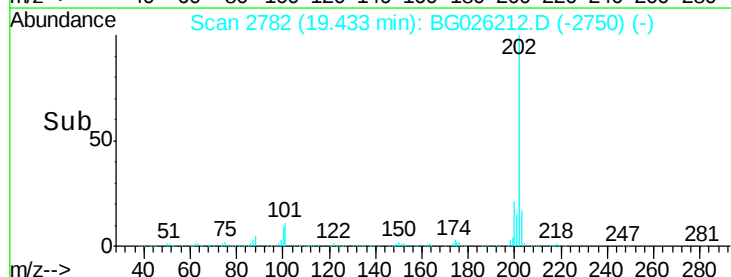
100 8.5 7.5 11.3

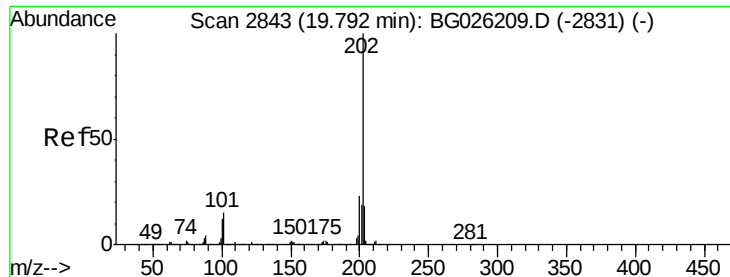


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

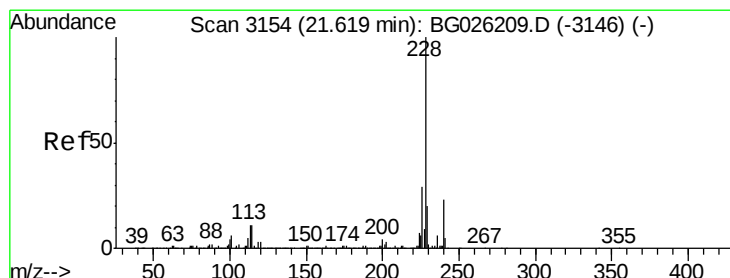
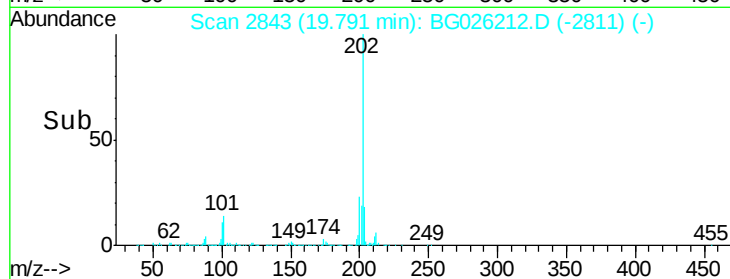
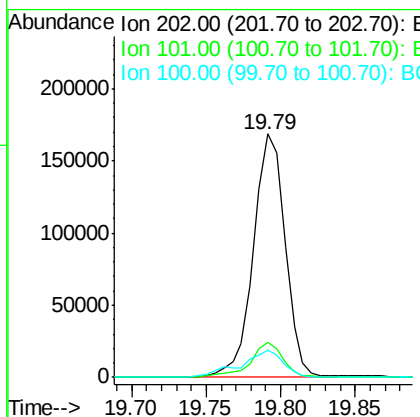
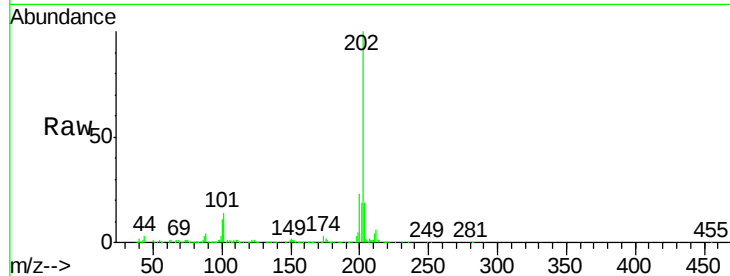




#20
 Pyrene
 Concen: 7.00 ng/ul
 RT: 19.79 min Scan# 2843
 Delta R.T. -0.01 min
 Lab File: BG026212.D
 Acq: 13 Mar 2017 13:56

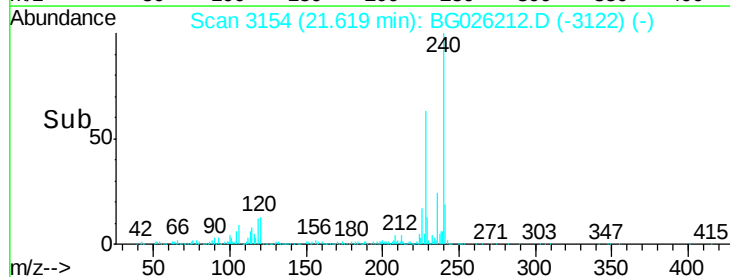
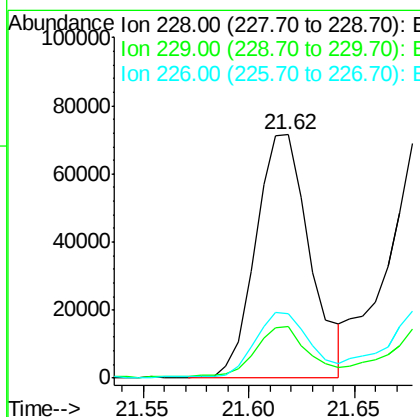
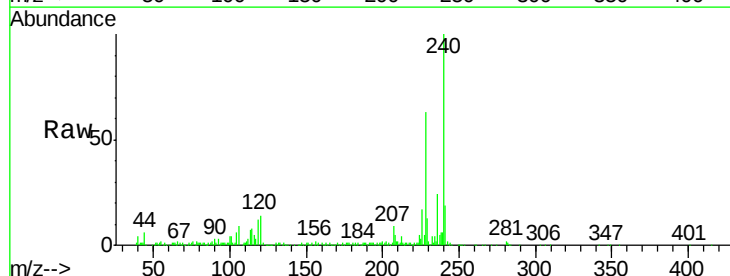
Instrument :
 BNA_G
 ClientSampleId :
 CB2X2

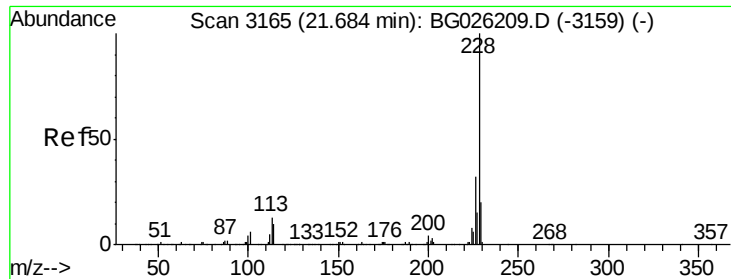
Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.2	11.2	16.8
100	11.3	9.8	14.6



#21
 Benzo(a)anthracene
 Concen: 4.09 ng/ul
 RT: 21.62 min Scan# 3154
 Delta R.T. -0.01 min
 Lab File: BG026212.D
 Acq: 13 Mar 2017 13:56

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.1	15.9	23.9
226	26.6	22.1	33.1





#22

Chrysene

Concen: 4.25 ng/ul

RT: 21.68 min Scan# 3164

Delta R.T. -0.02 min

Lab File: BG026212.D

Acq: 13 Mar 2017 13:56

Instrument :

BNA_G

ClientSampleId :

CB2X2

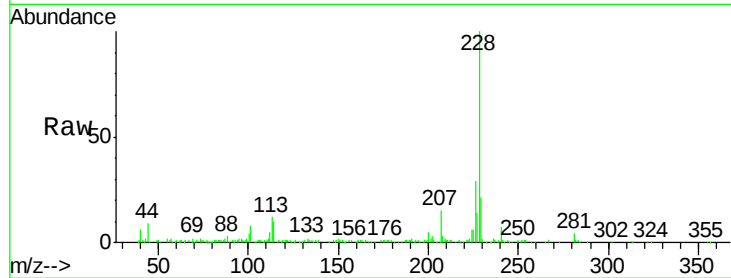
Tgt Ion:228 Resp: 123312

Ion Ratio Lower Upper

228 100

226 28.6 25.0 37.6

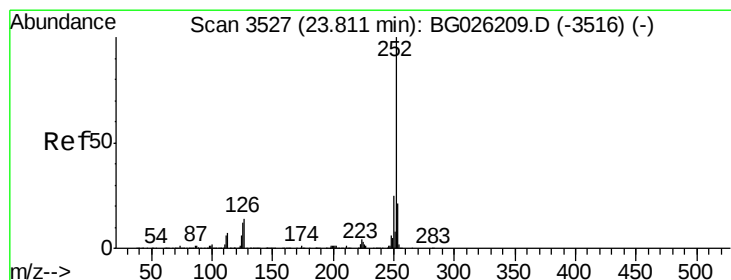
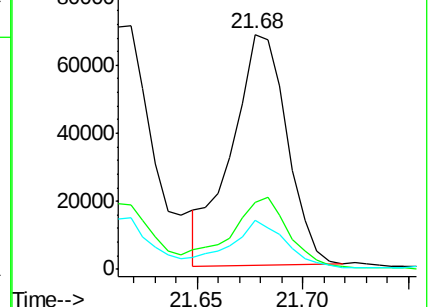
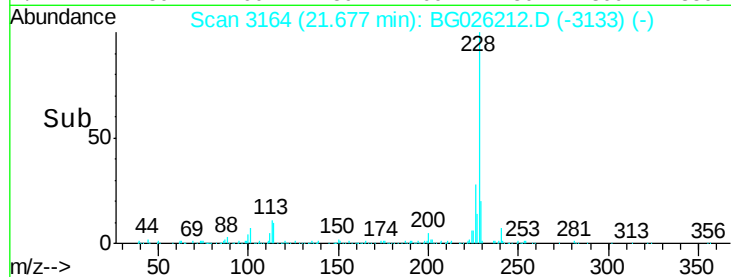
229 20.8 16.6 25.0



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: 5.16 ng/ul

RT: 23.80 min Scan# 3526

Delta R.T. -0.03 min

Lab File: BG026212.D

Acq: 13 Mar 2017 13:56

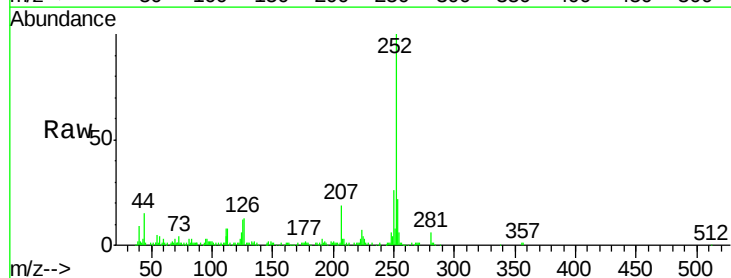
Tgt Ion:252 Resp: 159925

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

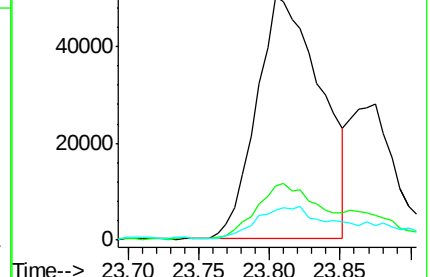
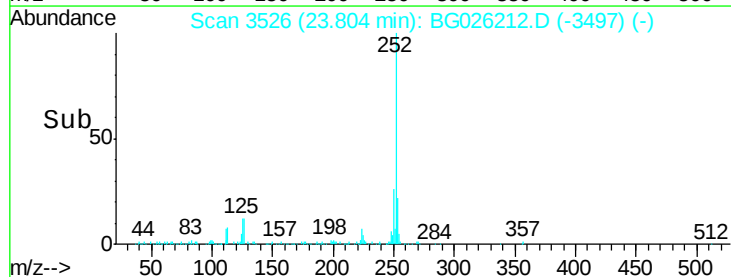
125 12.4 9.4 14.0

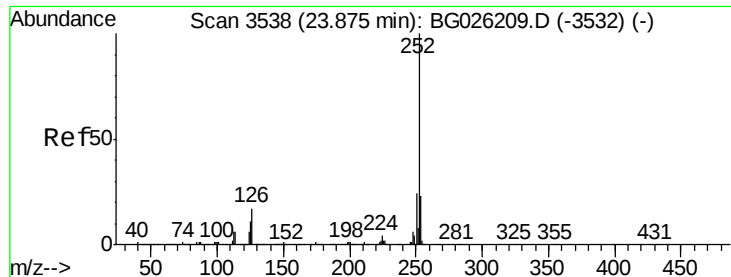


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(k)fluoranthene

Concen: 2.04 ng/ul

RT: 23.87 min Scan# 3538

Delta R.T. -0.02 min

Lab File: BG026212.D

Acq: 13 Mar 2017 13:56

Instrument :

BNA_G

ClientSampleId :

CB2X2

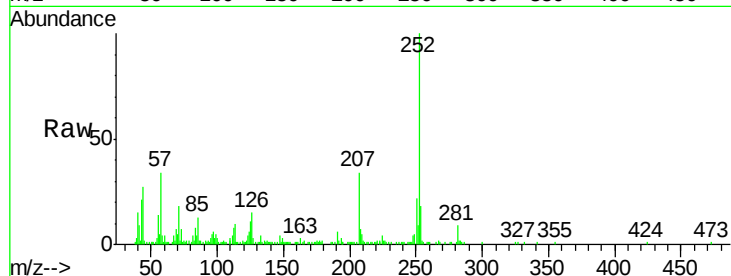
Tgt Ion:252 Resp: 60222

Ion Ratio Lower Upper

252 100

253 18.0 17.4 26.2

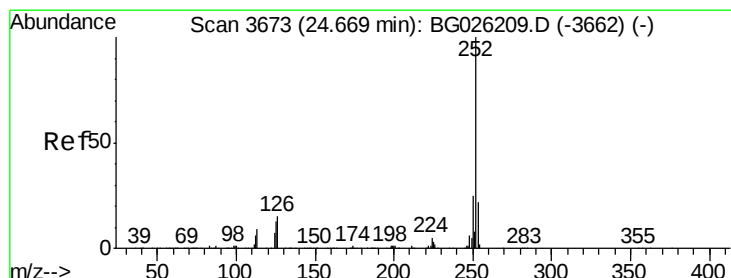
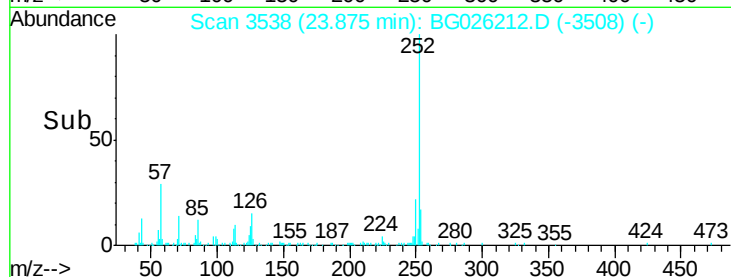
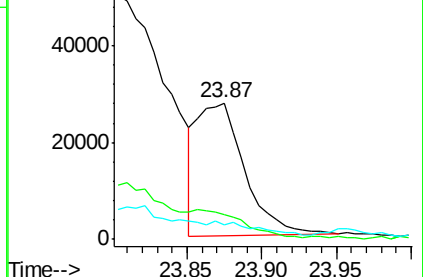
125 11.0 8.8 13.2



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: 2.93 ng/ul

RT: 24.67 min Scan# 3673

Delta R.T. -0.03 min

Lab File: BG026212.D

Acq: 13 Mar 2017 13:56

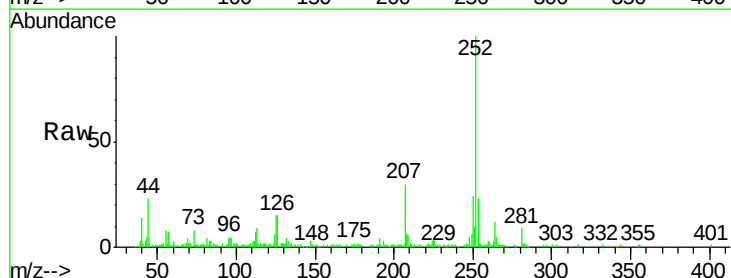
Tgt Ion:252 Resp: 84392

Ion Ratio Lower Upper

252 100

253 23.0 17.1 25.7

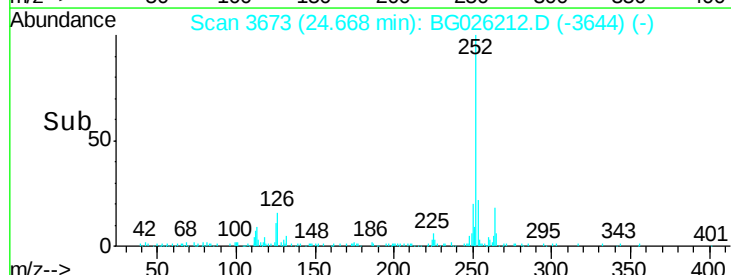
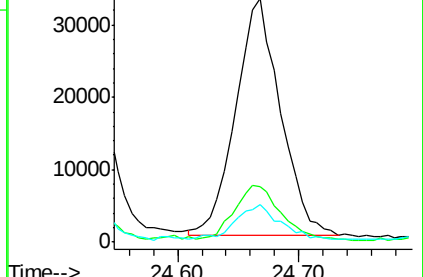
125 15.4 9.4 14.2#

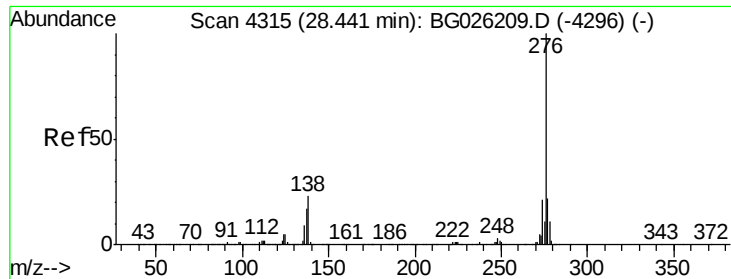


Abundance Ion 252.00 (251.70 to 252.70): E

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: 2.26 ng/ul

RT: 28.43 min Scan# 4314

Delta R.T. -0.05 min

Lab File: BG026212.D

Acq: 13 Mar 2017 13:56

Instrument :

BNA_G

ClientSampleId :

CB2X2

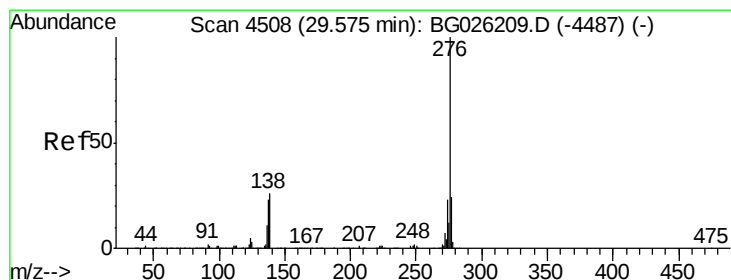
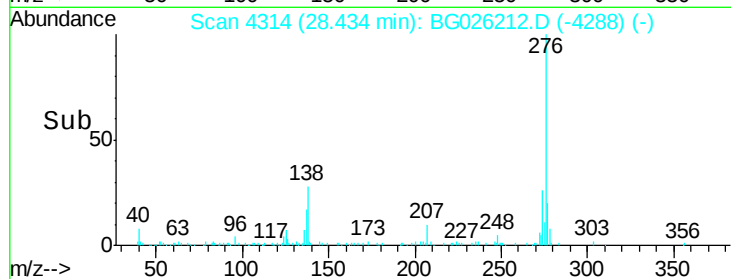
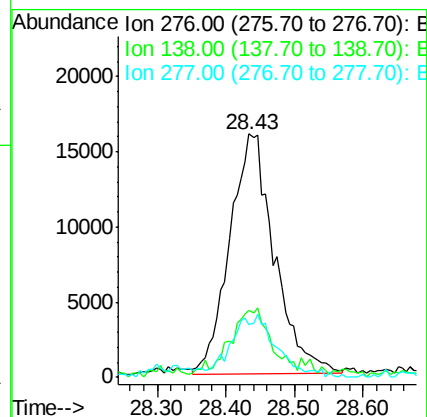
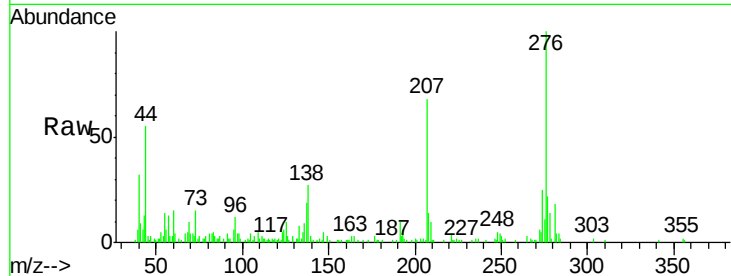
Tgt Ion:276 Resp: 71971

Ion Ratio Lower Upper

276 100

138 27.4 17.8 26.6#

277 21.6 19.4 29.0



#30

Benzo(g,h,i)perylene

Concen: 2.36 ng/ul

RT: 29.56 min Scan# 4506

Delta R.T. -0.05 min

Lab File: BG026212.D

Acq: 13 Mar 2017 13:56

Tgt Ion:276 Resp: 64062

Ion Ratio Lower Upper

276 100

138 24.5 19.0 28.4

277 18.6 19.7 29.5#

