

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031717\
 Data File : BG026311.D
 Acq On : 18 Mar 2017 10:22
 Operator : SJ/MA
 Sample : I2283-12
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB311

Quant Time: Mar 20 03:24:13 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

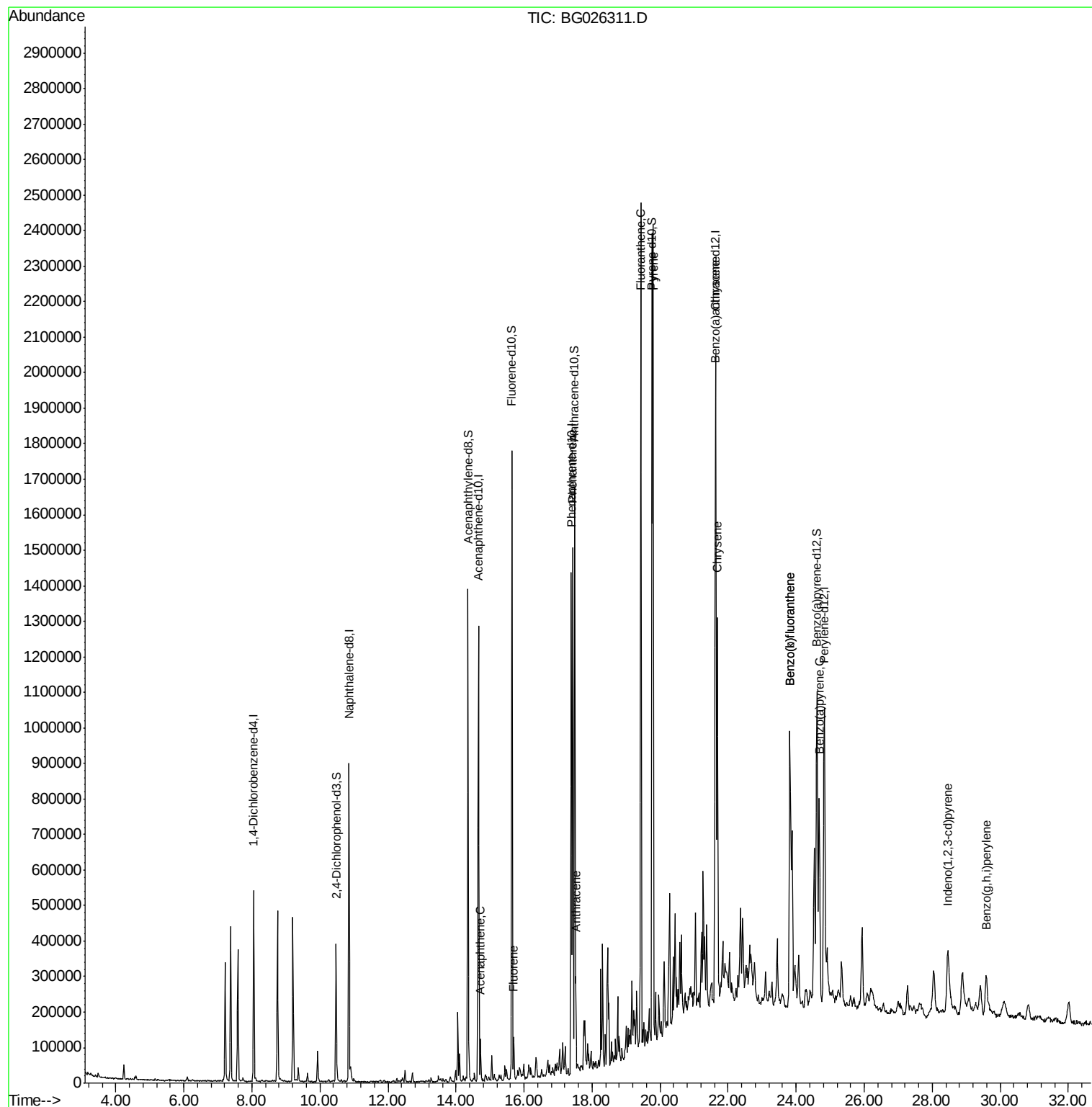
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	172033	20.00	ng/ul	0.00
2) Naphthalene-d8	10.85	136	806240	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.66	164	444433	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.39	188	866301	20.00	ng/ul	0.00
18) Chrysene-d12	21.64	240	867497	20.00	ng/ul	0.00
23) Perylene-d12	24.82	264	839275	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.48	165	179477	15.03	ng/uL	0.00
7) Acenaphthylene-d8	14.35	160	1043130	27.53	ng/ul	0.00
10) Fluorene-d10	15.65	176	738506	26.72	ng/ul	0.00
15) Anthracene-d10	17.48	188	1001692	26.02	ng/ul	0.00
19) Pyrene-d10	19.76	212	1021057	23.07	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.61	264	928855	25.66	ng/ul	0.00
Target Compounds				Qvalue		
9) Acenaphthene	14.72	153	50754	1.86	ng/ul	99
11) Fluorene	15.70	166	53917	1.75	ng/ul	100
14) Phenanthrene	17.43	178	933175	20.33	ng/ul	98
16) Anthracene	17.52	178	169686	3.66	ng/ul	98
17) Fluoranthene	19.44	202	1452161	30.47	ng/ul	99
20) Pyrene	19.79	202	1396972	25.29	ng/ul	98
21) Benzo(a)anthracene	21.62	228	773263	16.02	ng/ul	97
22) Chrysene	21.68	228	757733	16.82	ng/ul	99
24) Benzo(b)fluoranthene	23.81	252	969020	20.34	ng/ul	99
25) Benzo(k)fluoranthene	23.81	252	969020	21.30	ng/ul	98
27) Benzo(a)pyrene	24.68	252	608400	13.74	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	28.45	276	339004	6.93	ng/ul	98
30) Benzo(a,h,i)perylene	29.59	276	257130	6.15	ng/ul	96

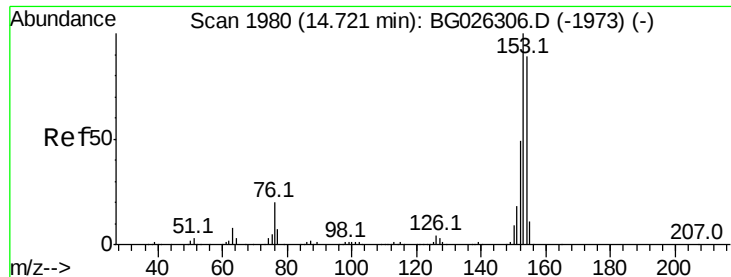
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#9

Acenaphthene

Concen: 1.86 ng/ul

RT: 14.72 min Scan# 1979

Delta R.T. -0.00 min

Lab File: BG026311.D

Acq: 18 Mar 2017 10:22

Instrument :

BNA_G

ClientSampleId :

CB311

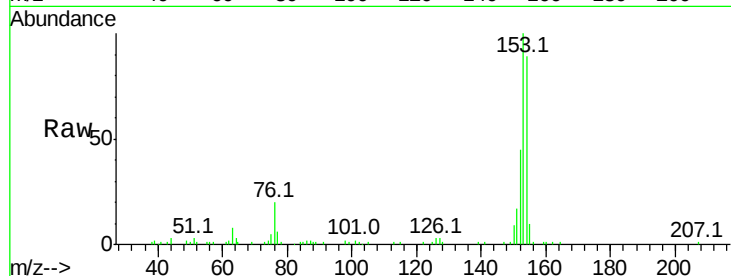
Tot Ion:153 Resp: 50754

Ion Ratio Lower Upper

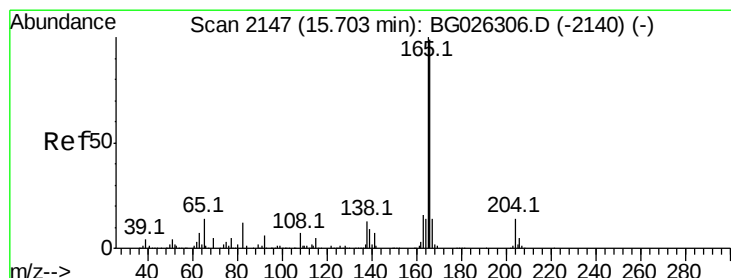
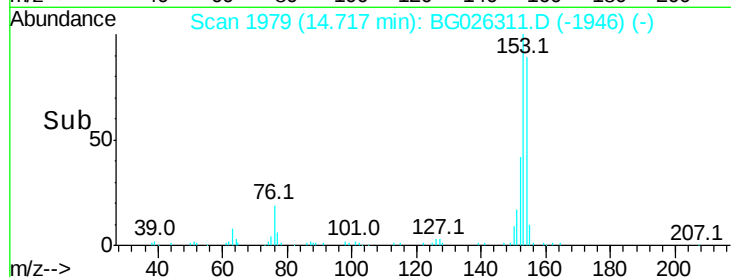
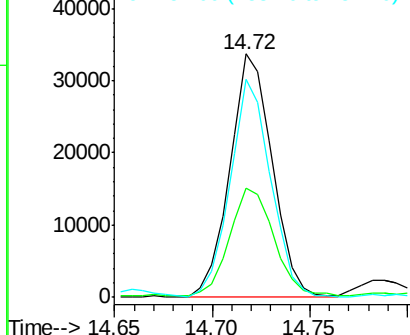
153 100

152 44.7 37.9 56.9

154 89.5 71.6 107.4



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#11

Fluorene

Concen: 1.75 ng/ul

RT: 15.70 min Scan# 2146

Delta R.T. -0.00 min

Lab File: BG026311.D

Acq: 18 Mar 2017 10:22

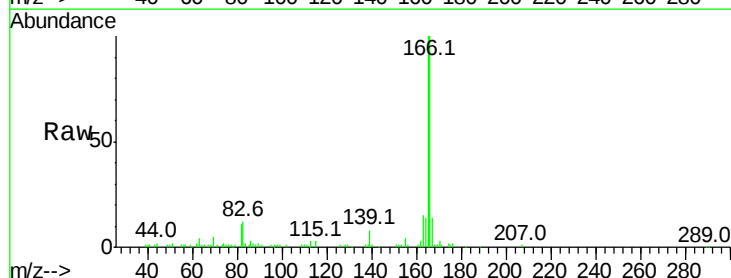
Tgt Ion:166 Resp: 53917

Ion Ratio Lower Upper

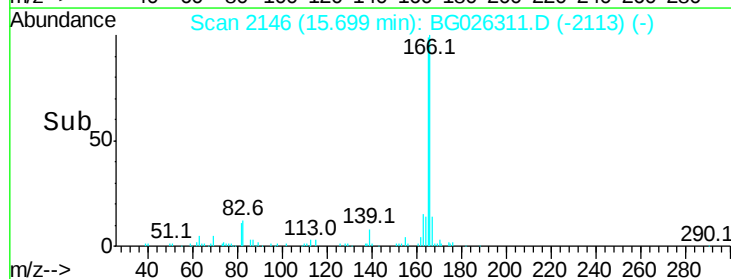
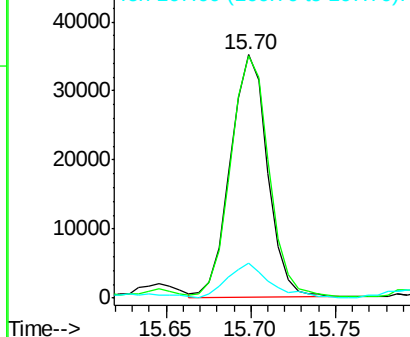
166 100

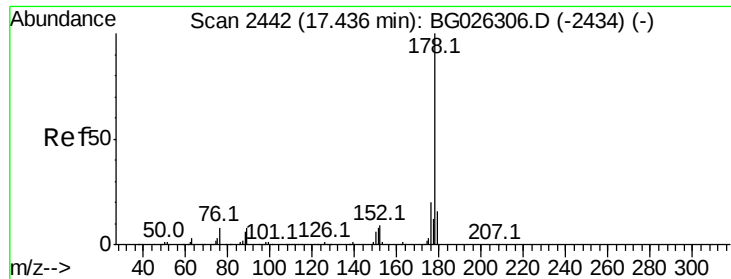
165 99.8 80.0 120.0

167 14.1 11.6 17.4



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

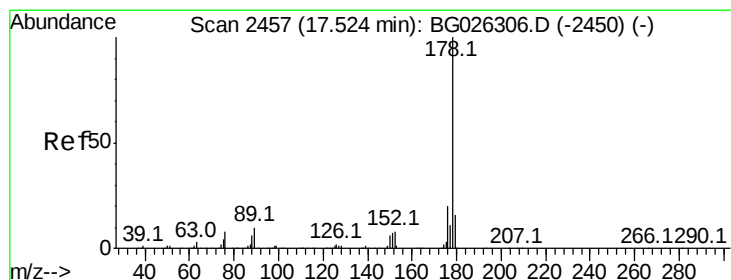
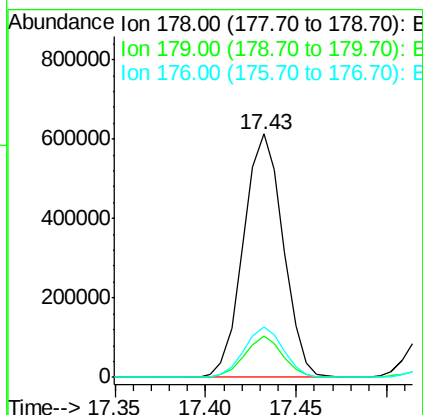
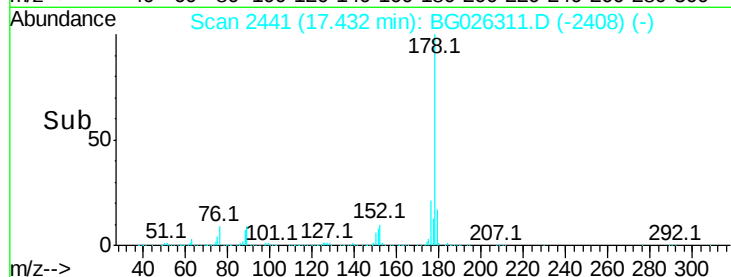
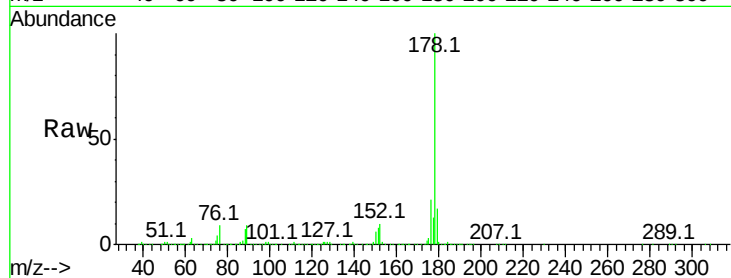




#14
Phenanthrene
Concen: 20.33 ng/ul
RT: 17.43 min Scan# 2441
Delta R.T. -0.00 min
Lab File: BG026311.D
Acq: 18 Mar 2017 10:22

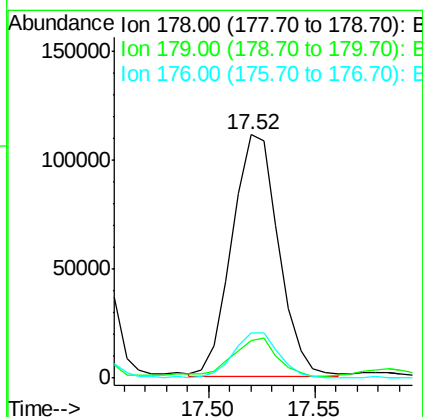
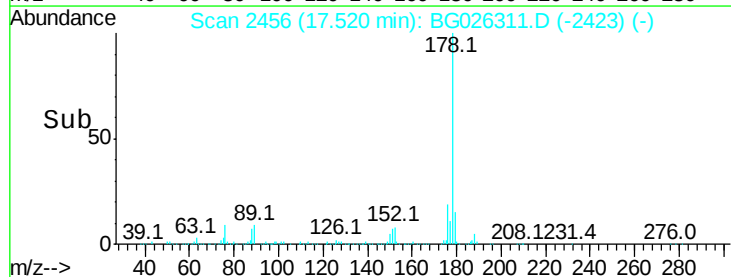
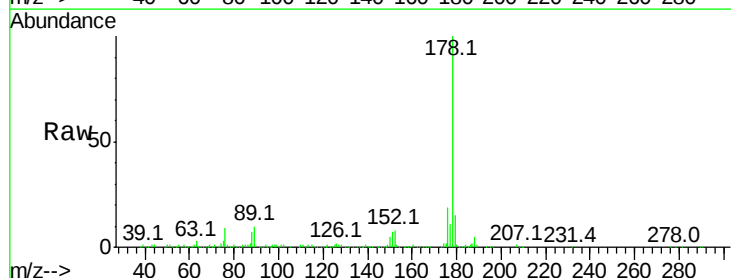
Instrument :
BNA_G
ClientSampleId :
CB311

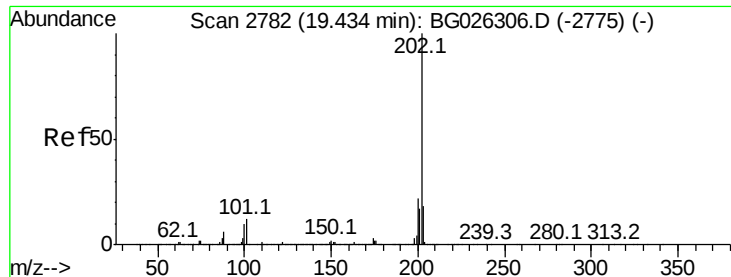
Tot Ion	Ratio	Lower	Upper
178	100		
179	16.9	12.2	18.4
176	20.9	16.4	24.6



#16
Anthracene
Concen: 3.66 ng/ul
RT: 17.52 min Scan# 2456
Delta R.T. -0.00 min
Lab File: BG026311.D
Acq: 18 Mar 2017 10:22

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.7	19.1
176	18.8	15.8	23.8





#17

Fluoranthene

Concen: 30.47 ng/ul

RT: 19.44 min Scan# 2782

Delta R.T. 0.00 min

Lab File: BG026311.D

Acq: 18 Mar 2017 10:22

Instrument :

BNA_G

ClientSampleId :

CB311

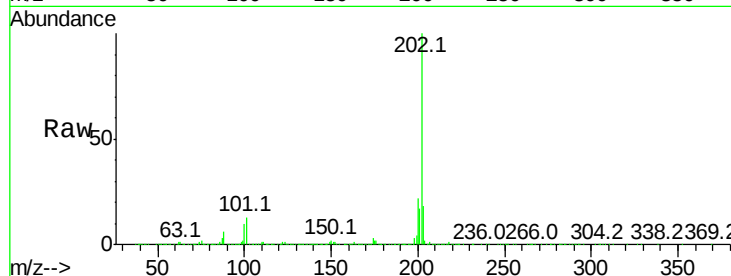
Tot Ion:202 Resp: 1452161

Ion Ratio Lower Upper

202 100

101 12.6 9.8 14.8

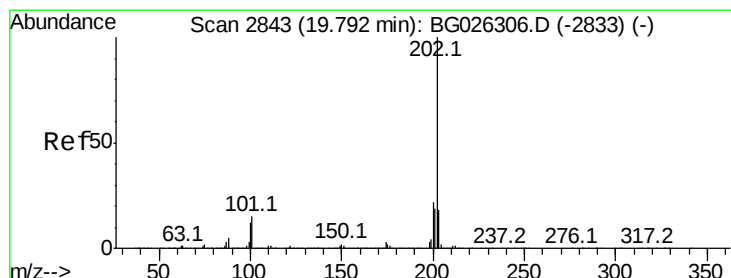
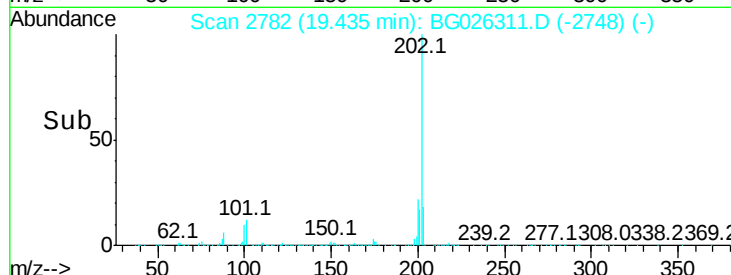
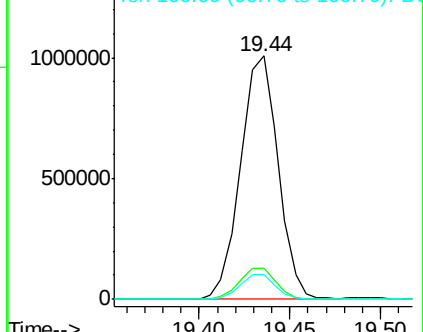
100 9.9 7.5 11.3



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: 25.29 ng/ul

RT: 19.79 min Scan# 2843

Delta R.T. 0.00 min

Lab File: BG026311.D

Acq: 18 Mar 2017 10:22

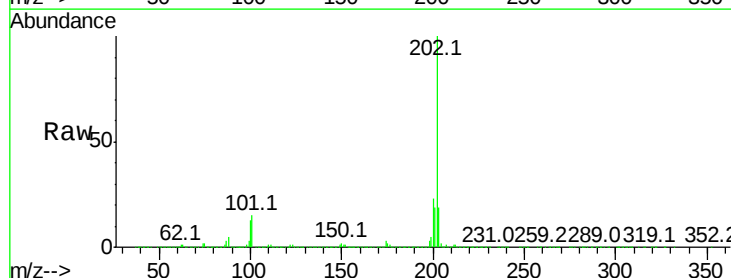
Tgt Ion:202 Resp: 1396972

Ion Ratio Lower Upper

202 100

101 15.3 11.2 16.8

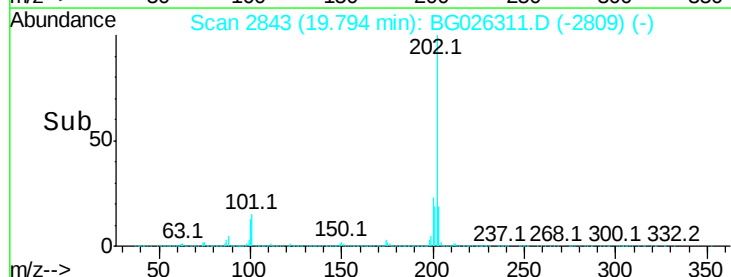
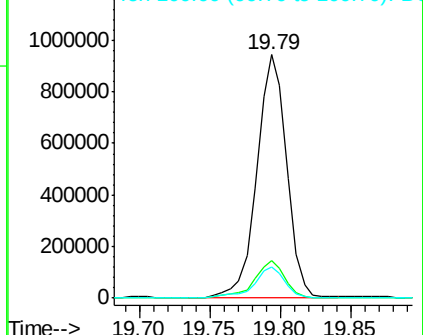
100 12.6 9.8 14.6

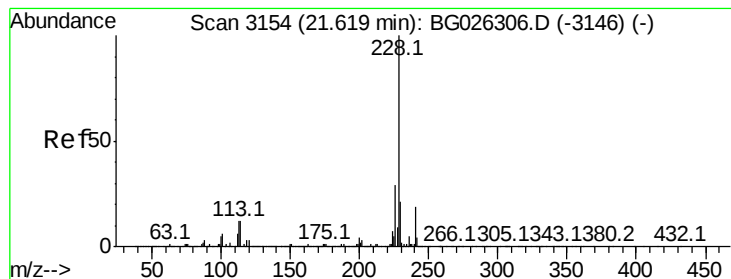


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 16.02 ng/ul

RT: 21.62 min Scan# 3153

Delta R.T. -0.00 min

Lab File: BG026311.D

Acq: 18 Mar 2017 10:22

Instrument :

BNA_G

ClientSampleId :

CB311

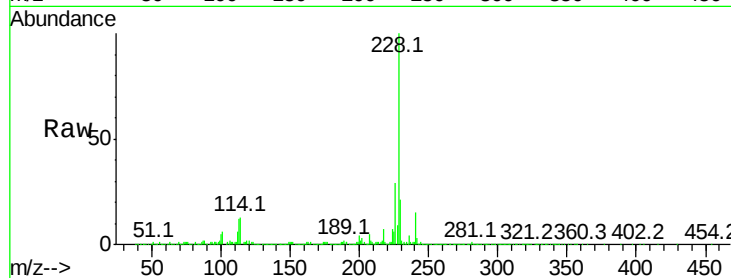
Tot Ion:228 Resp: 773263

Ion Ratio Lower Upper

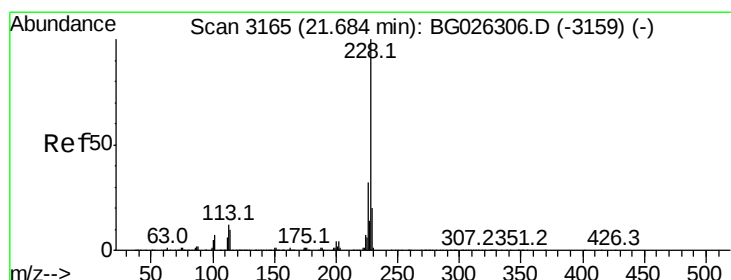
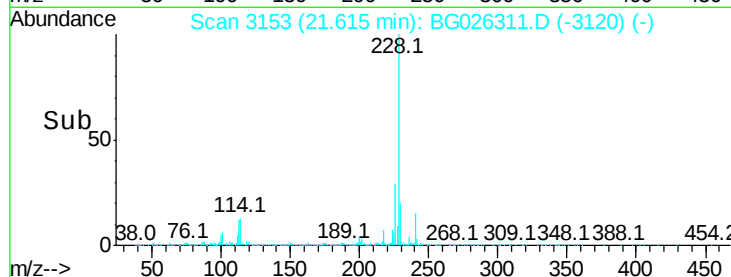
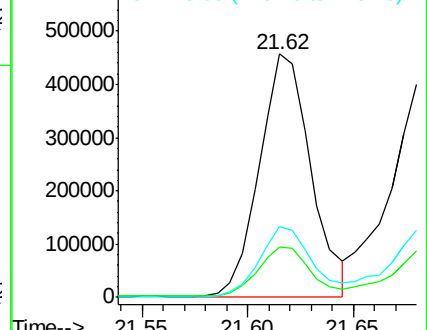
228 100

229 20.8 15.9 23.9

226 29.1 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: 16.82 ng/ul

RT: 21.68 min Scan# 3164

Delta R.T. -0.00 min

Lab File: BG026311.D

Acq: 18 Mar 2017 10:22

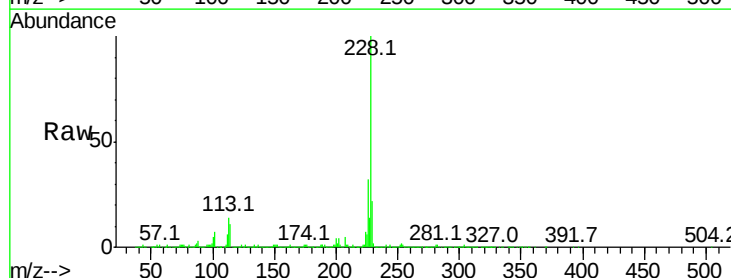
Tgt Ion:228 Resp: 757733

Ion Ratio Lower Upper

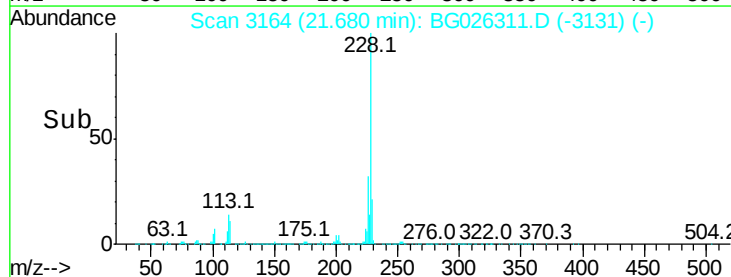
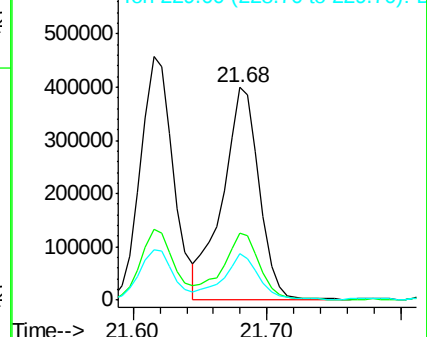
228 100

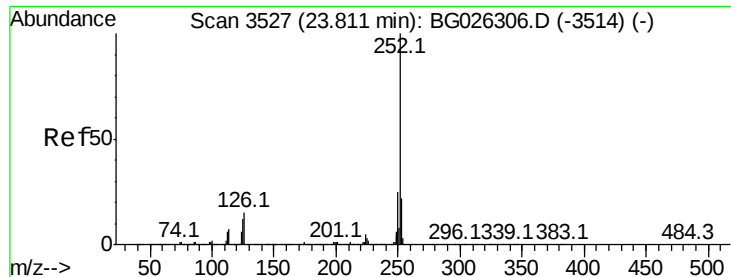
226 31.8 25.0 37.6

229 21.6 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: 20.34 ng/ul

RT: 23.81 min Scan# 3527

Delta R.T. 0.00 min

Lab File: BG026311.D

Acq: 18 Mar 2017 10:22

Instrument :

BNA_G

ClientSampleId :

CB311

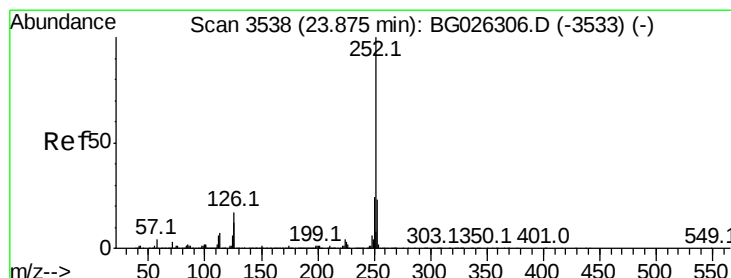
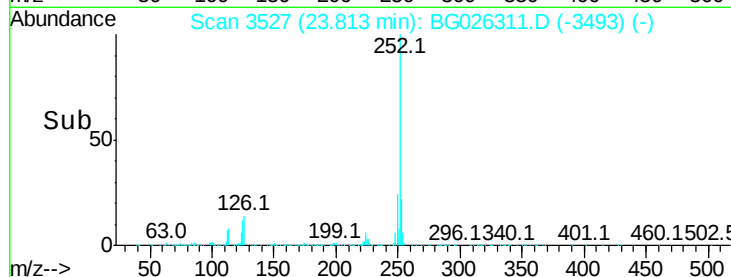
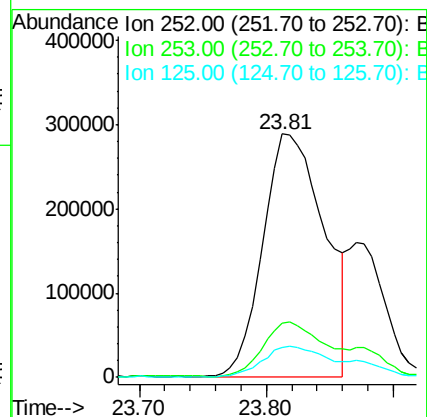
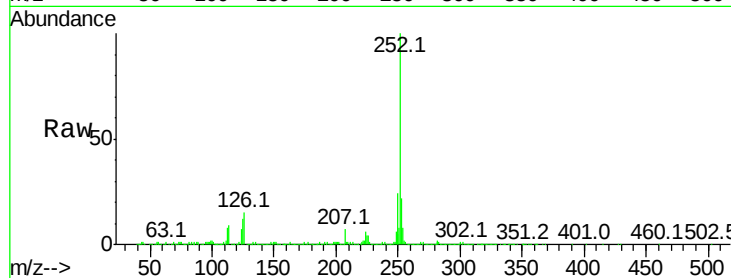
Tot Ion:252 Resp: 969020

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.6

125 12.2 9.4 14.0



#25

Benzo(k)fluoranthene

Concen: 21.30 ng/ul

RT: 23.81 min Scan# 3527

Delta R.T. -0.06 min

Lab File: BG026311.D

Acq: 18 Mar 2017 10:22

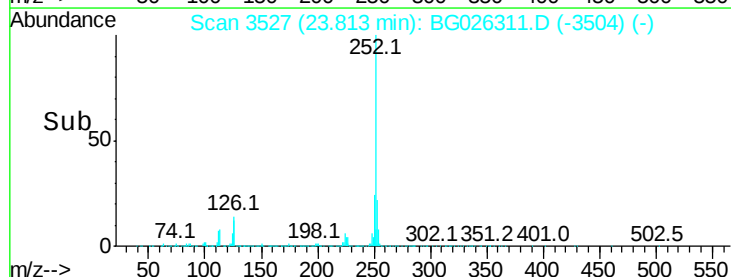
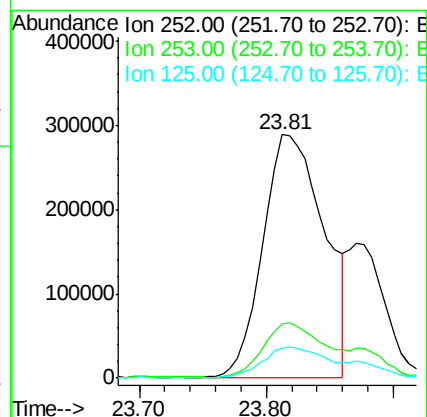
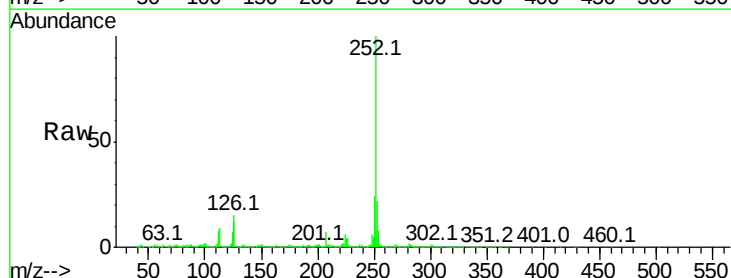
Tgt Ion:252 Resp: 969020

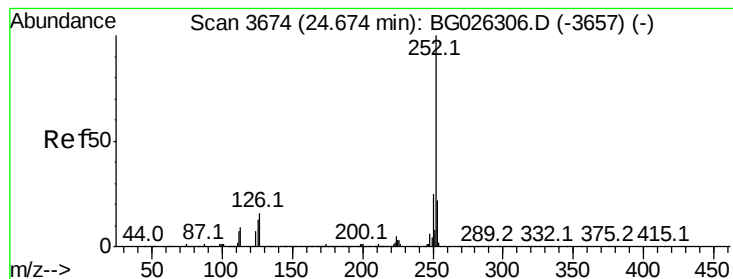
Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.2

125 12.2 8.8 13.2





#27

Benzo(a)pyrene

Concen: 13.74 ng/ul

RT: 24.68 min Scan# 3674

Delta R.T. 0.00 min

Lab File: BG026311.D

Acq: 18 Mar 2017 10:22

Instrument :

BNA_G

ClientSampled :

CB311

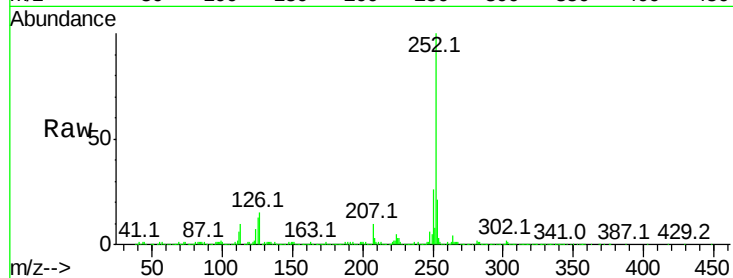
Tot Ion:252 Resp: 608400

Ion Ratio Lower Upper

252 100

253 21.3 17.1 25.7

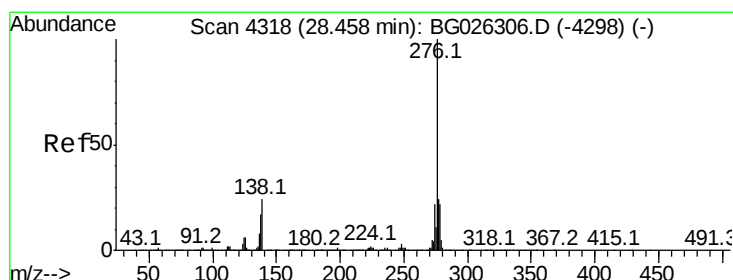
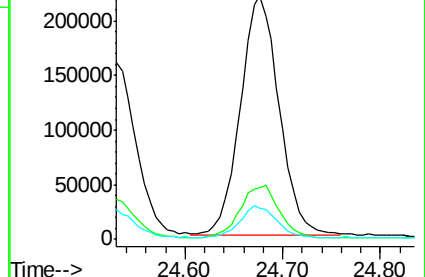
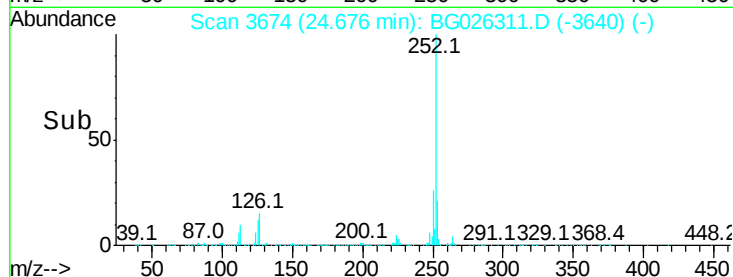
125 12.7 9.4 14.2



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: 6.93 ng/ul

RT: 28.45 min Scan# 4317

Delta R.T. -0.00 min

Lab File: BG026311.D

Acq: 18 Mar 2017 10:22

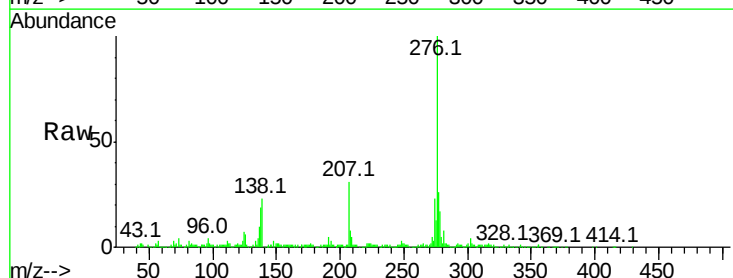
Tgt Ion:276 Resp: 339004

Ion Ratio Lower Upper

276 100

138 22.7 17.8 26.6

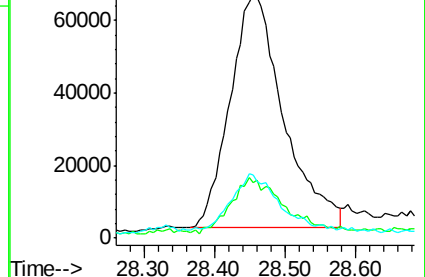
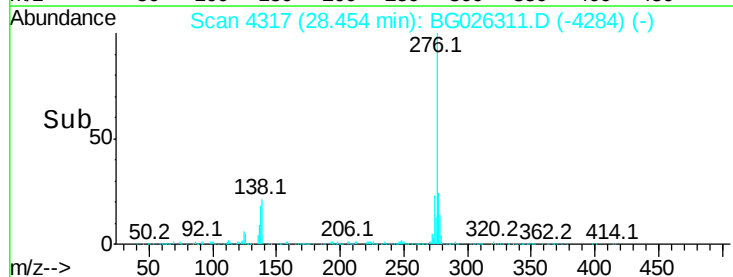
277 25.8 19.4 29.0

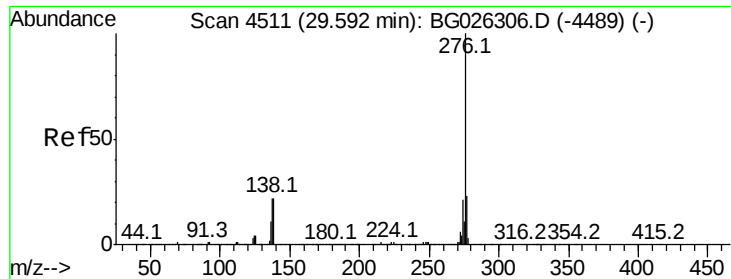


Abundance Ion 276.00 (275.70 to 276.70): E

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: 6.15 ng/ul
 RT: 29.59 min Scan# 4510
 Delta R.T. -0.00 min
 Lab File: BG026311.D
 Acq: 18 Mar 2017 10:22

Instrument :
 BNA_G
 ClientSampleId :
 CB311

Tot Ion:	276	Resp:	257130
Ion	Ratio	Lower	Upper
276	100		
138	26.0	19.0	28.4
277	26.6	19.7	29.5

