

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031317\
 Data File : BG026219.D
 Acq On : 13 Mar 2017 19:48
 Operator : SJ/MA
 Sample : I2217-16
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 15 05:55:09 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

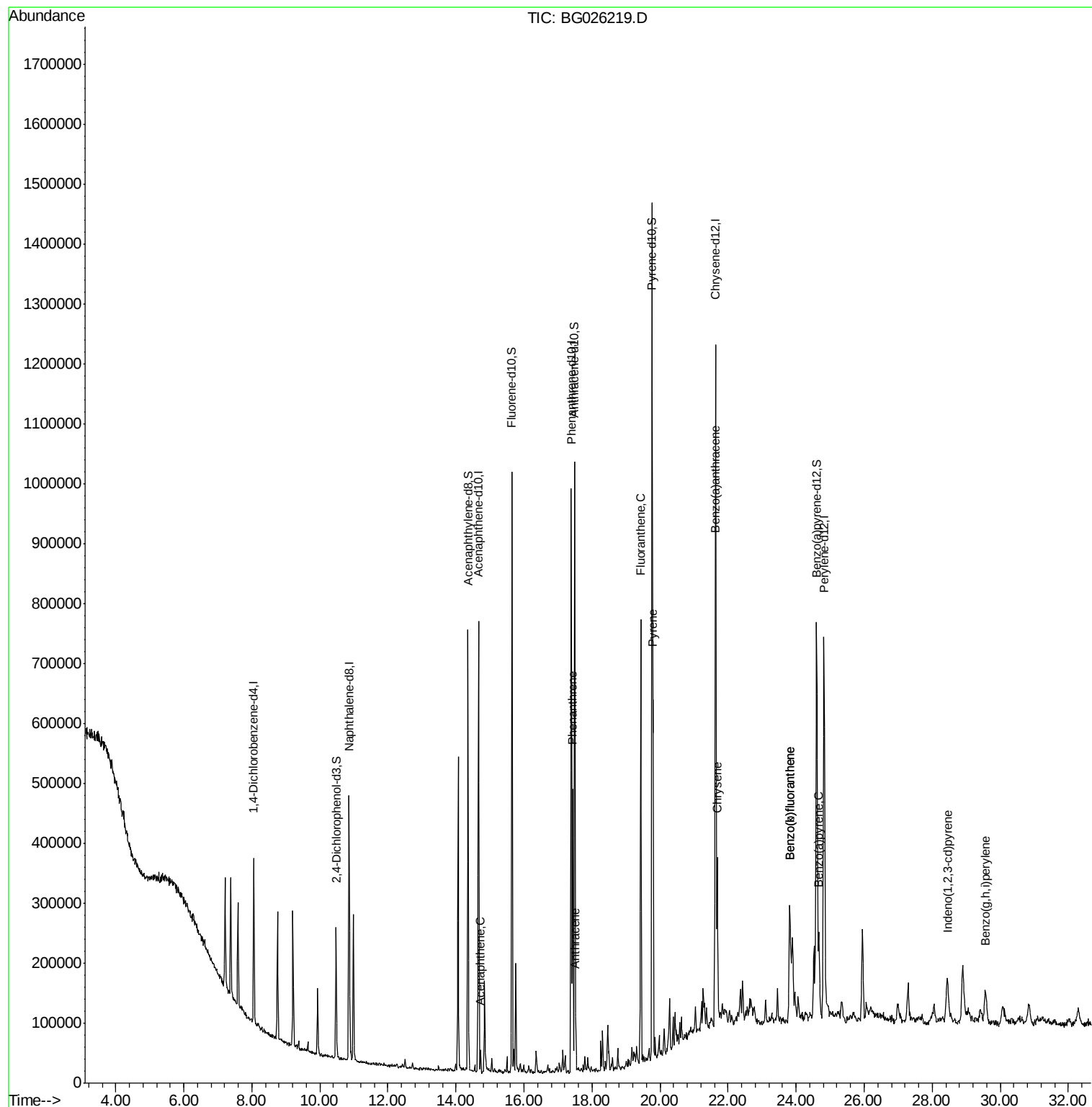
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	79212	20.00	ng/ul	0.00
2) Naphthalene-d8	10.86	136	386579	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.66	164	243478	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.39	188	592069	20.00	ng/ul	0.00
18) Chrysene-d12	21.63	240	608926	20.00	ng/ul	0.00
23) Perylene-d12	24.82	264	586667	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.48	165	90935	15.88	ng/uL	0.00
7) Acenaphthylene-d8	14.35	160	535103	25.78	ng/ul	0.00
10) Fluorene-d10	15.65	176	402224	26.56	ng/ul	0.00
15) Anthracene-d10	17.49	188	596731	22.68	ng/ul	0.00
19) Pyrene-d10	19.77	212	675145	21.73	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.60	264	616584	24.37	ng/ul	0.00
Target Compounds				Qvalue		
9) Acenaphthene	14.72	153	15708	1.05	ng/ul#	89
14) Phenanthrene	17.43	178	280305	8.93	ng/ul	99
16) Anthracene	17.52	178	48942	1.54	ng/ul	98
17) Fluoranthene	19.43	202	442544	13.59	ng/ul	98
20) Pyrene	19.79	202	363024	9.36	ng/ul	97
21) Benzo(a)anthracene	21.62	228	192876	5.69	ng/ul	96
22) Chrysene	21.68	228	190716	6.03	ng/ul	97
24) Benzo(b)fluoranthene	23.81	252	250485	7.52	ng/ul#	96
25) Benzo(k)fluoranthene	23.81	252	250485	7.88	ng/ul#	96
27) Benzo(a)pyrene	24.67	252	136786	4.42	ng/ul	97
28) Indeno(1,2,3-cd)pyrene	28.44	276	111121	3.22	ng/ul	93
30) Benzo(a,h,i)perylene	29.57	276	100744	3.43	ng/ul	95

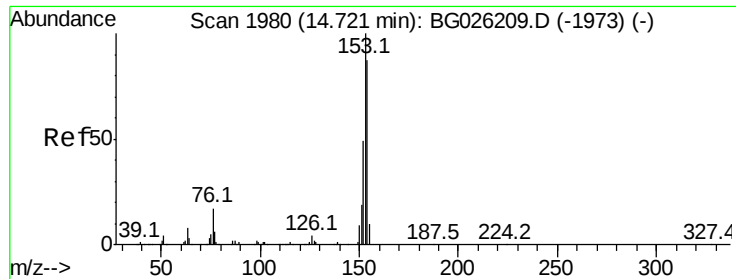
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#9

Acenaphthene

Concen: 1.05 ng/ul

RT: 14.72 min Scan# 1980

Delta R.T. 0.00 min

Lab File: BG026219.D

Acq: 13 Mar 2017 19:48

Instrument :

BNA_G

ClientSampleId :

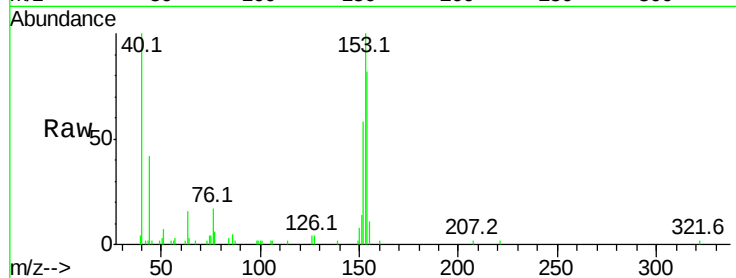
Tot Ion:153 Resp: 15708

Ion Ratio Lower Upper

153 100

152 57.9 37.9 56.9#

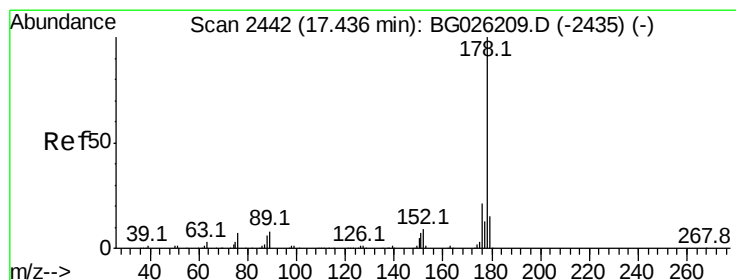
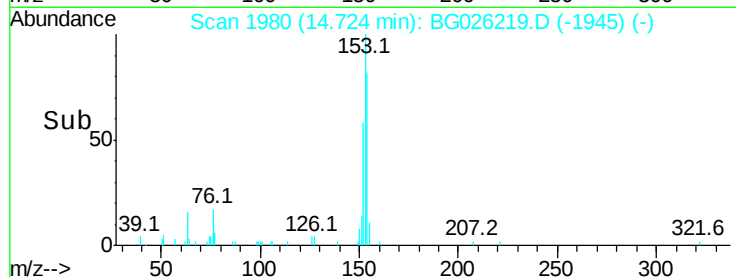
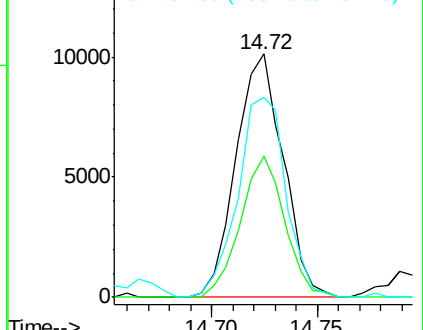
154 82.2 71.6 107.4



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



#14

Phenanthrene

Concen: 8.93 ng/ul

RT: 17.43 min Scan# 2441

Delta R.T. -0.00 min

Lab File: BG026219.D

Acq: 13 Mar 2017 19:48

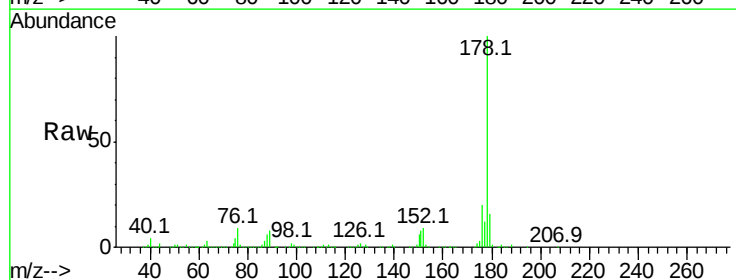
Tgt Ion:178 Resp: 280305

Ion Ratio Lower Upper

178 100

179 15.8 12.2 18.4

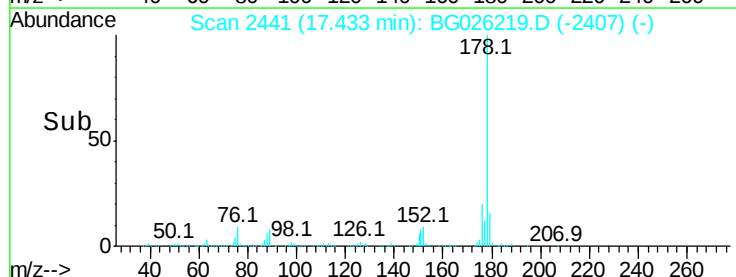
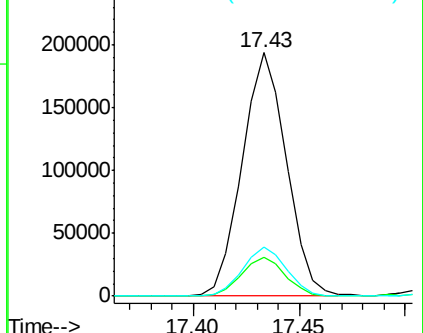
176 20.4 16.4 24.6

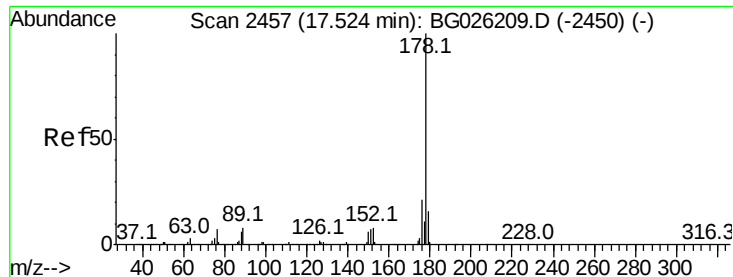


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Anthracene

Concen: 1.54 ng/ul

RT: 17.52 min Scan# 2456

Delta R.T. -0.00 min

Lab File: BG026219.D

Acq: 13 Mar 2017 19:48

Instrument :

BNA_G

ClientSampleId :

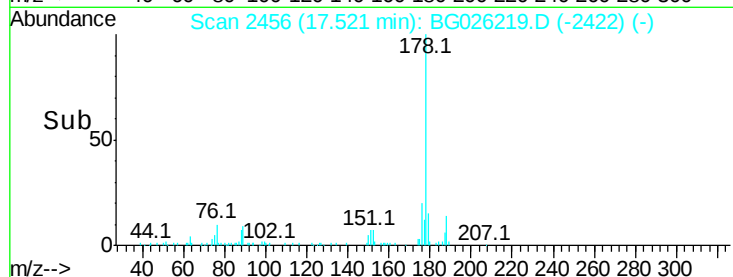
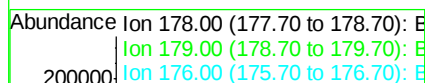
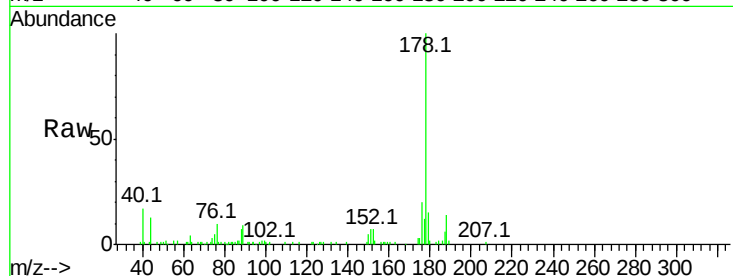
Tot Ion:178 Resp: 48942

Ion Ratio Lower Upper

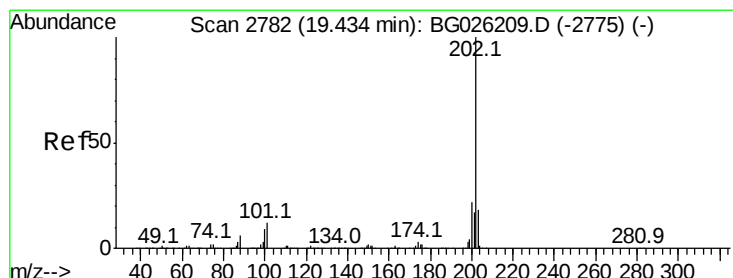
178 100

179 14.6 12.7 19.1

176 20.3 15.8 23.8



Time-->



#17

Fluoranthene

Concen: 13.59 ng/ul

RT: 19.43 min Scan# 2781

Delta R.T. -0.00 min

Lab File: BG026219.D

Acq: 13 Mar 2017 19:48

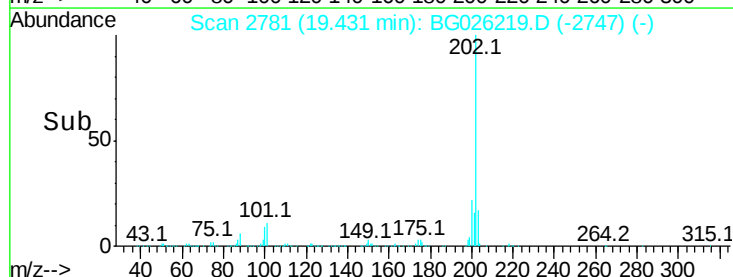
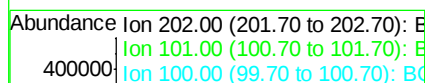
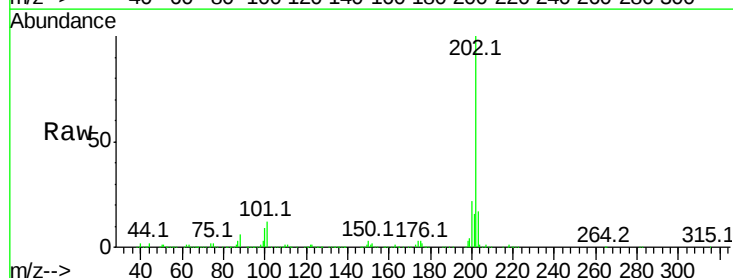
Tgt Ion:202 Resp: 442544

Ion Ratio Lower Upper

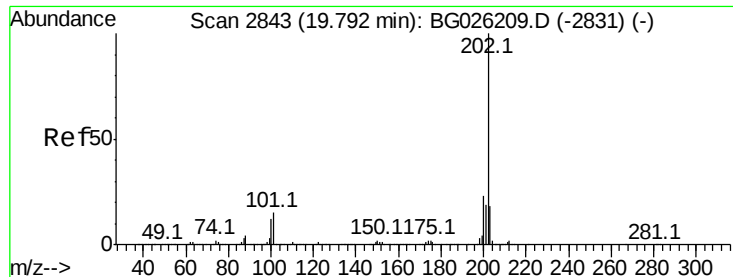
202 100

101 11.5 9.8 14.8

100 9.1 7.5 11.3



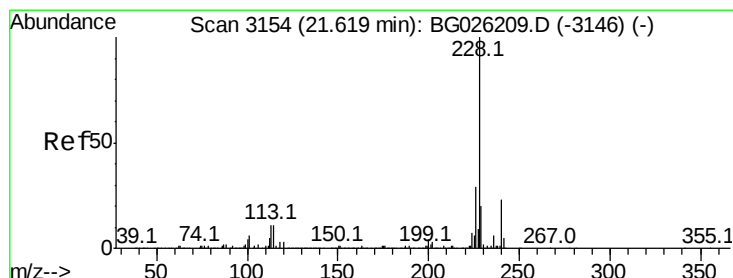
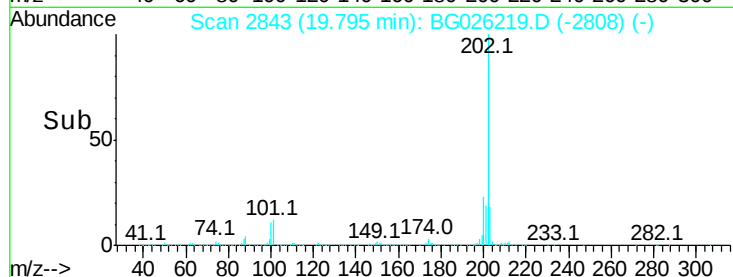
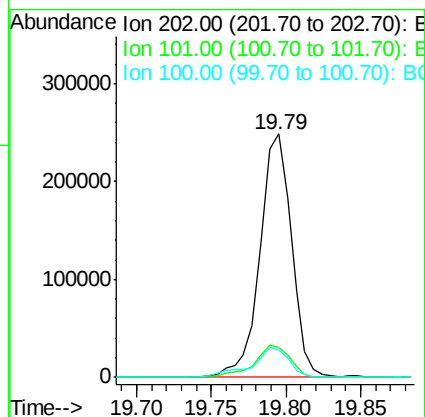
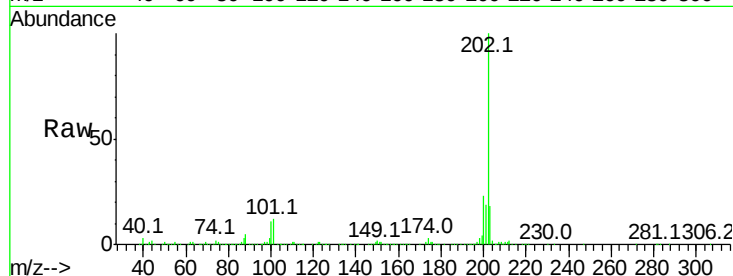
Time-->



#20
Pvrene
Concen: 9.36 ng/ul
RT: 19.79 min Scan# 2843
Delta R.T. 0.00 min
Lab File: BG026219.D
Acq: 13 Mar 2017 19:48

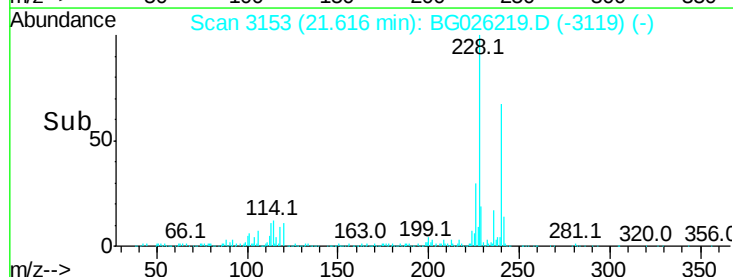
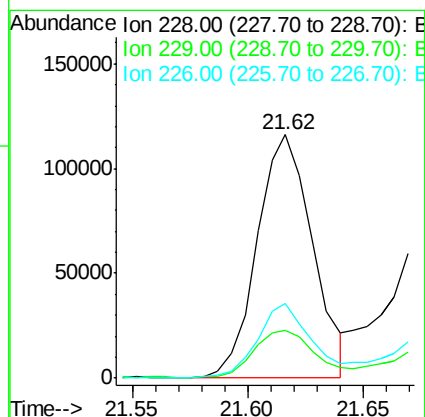
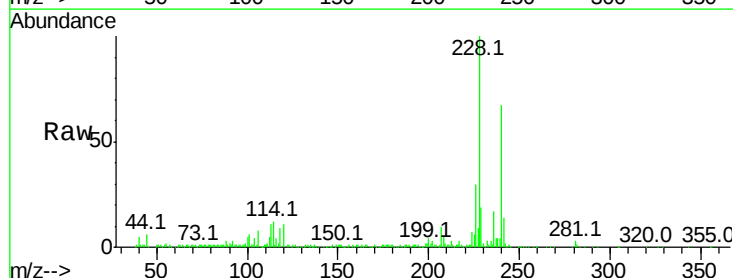
Instrument :
BNA_G
ClientSampleId :

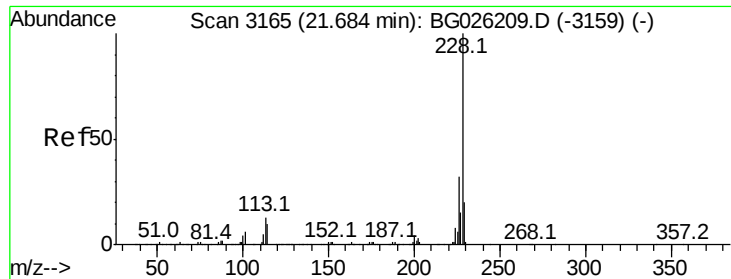
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.5	11.2	16.8
100	11.1	9.8	14.6



#21
Benzo(a)anthracene
Concen: 5.69 ng/ul
RT: 21.62 min Scan# 3153
Delta R.T. -0.00 min
Lab File: BG026219.D
Acq: 13 Mar 2017 19:48

Tgt Ion	Ratio	Lower	Upper
228	100		
229	19.4	15.9	23.9
226	30.4	22.1	33.1





#22

Chrysene

Concen: 6.03 ng/ul

RT: 21.68 min Scan# 3164

Delta R.T. -0.00 min

Lab File: BG026219.D

Acq: 13 Mar 2017 19:48

Instrument :

BNA_G

ClientSampleId :

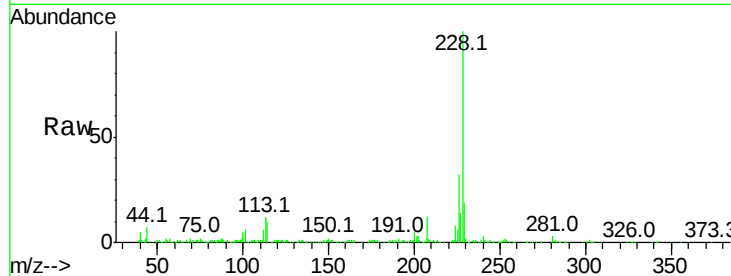
Tot Ion:228 Resp: 190716

Ion Ratio Lower Upper

228 100

226 32.0 25.0 37.6

229 18.6 16.6 25.0

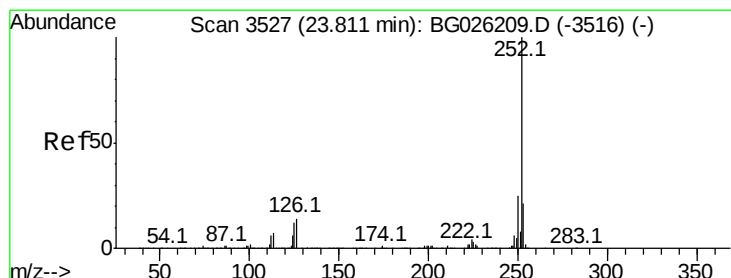
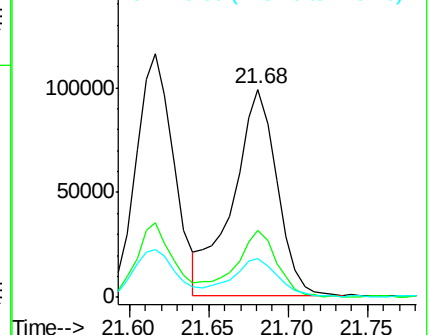
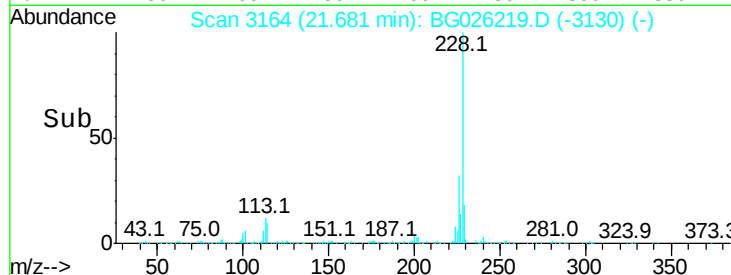


Abundance

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: 7.52 ng/ul

RT: 23.81 min Scan# 3527

Delta R.T. 0.00 min

Lab File: BG026219.D

Acq: 13 Mar 2017 19:48

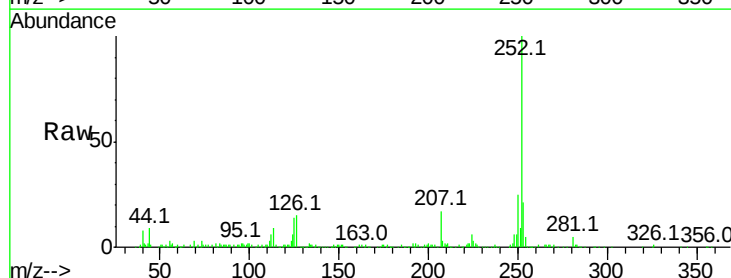
Tgt Ion:252 Resp: 250485

Ion Ratio Lower Upper

252 100

253 21.4 17.8 26.6

125 14.4 9.4 14.0#

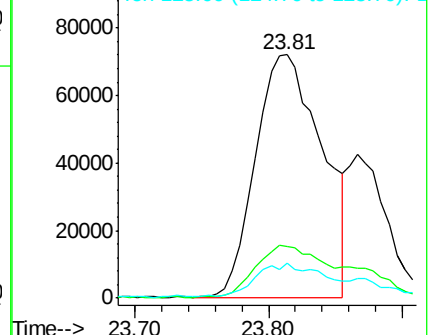
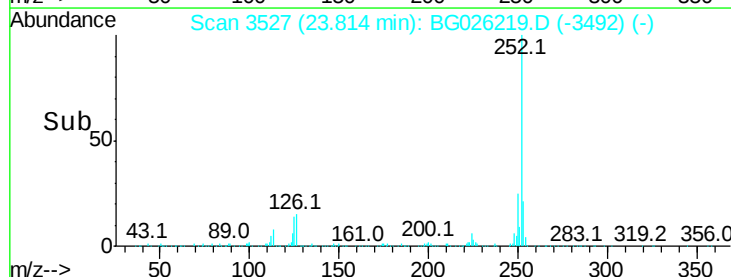


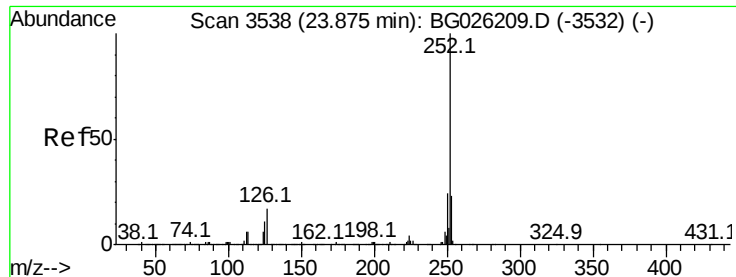
Abundance

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: 7.88 ng/ul

RT: 23.81 min Scan# 3527

Delta R.T. -0.06 min

Lab File: BG026219.D

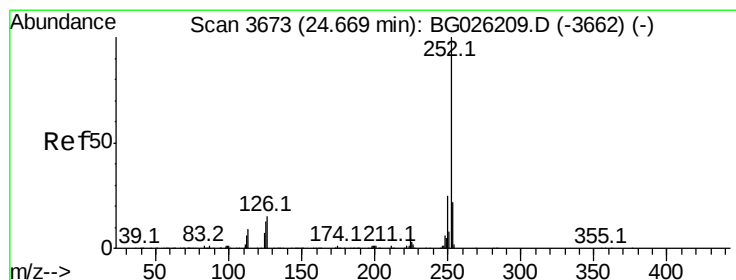
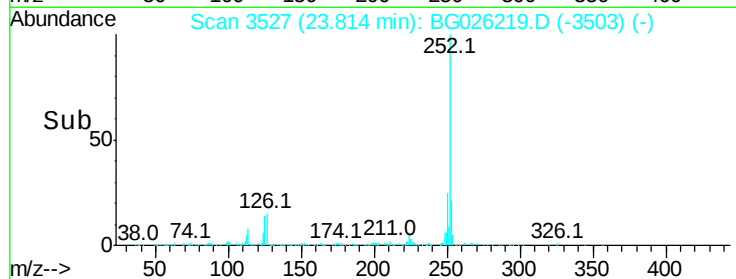
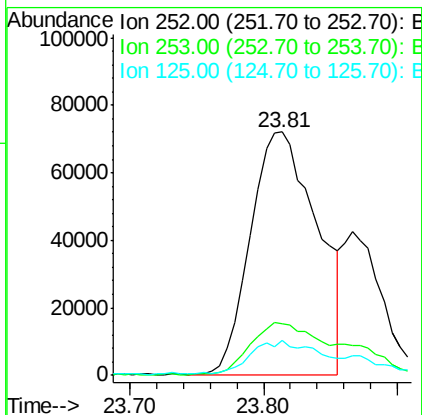
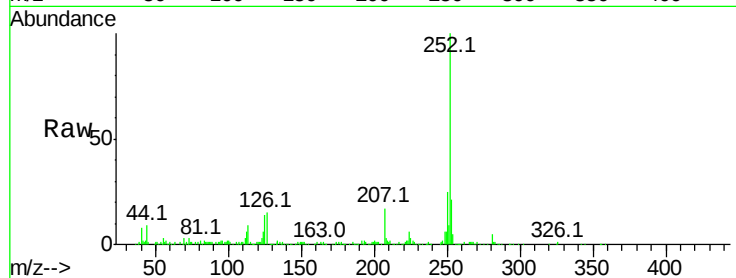
Acq: 13 Mar 2017 19:48

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	252	Resp:	250485
Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.2
125	14.4	8.8	13.2#



#27

Benzo(a)pyrene

Concen: 4.42 ng/ul

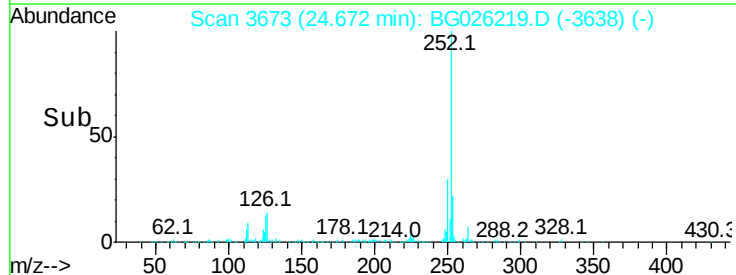
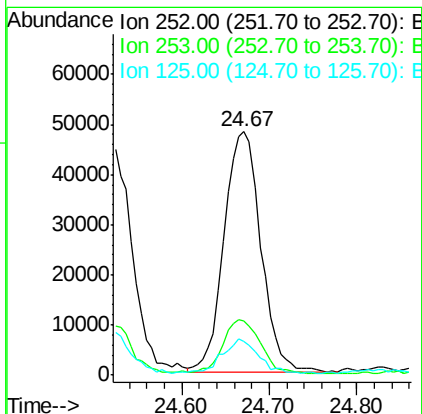
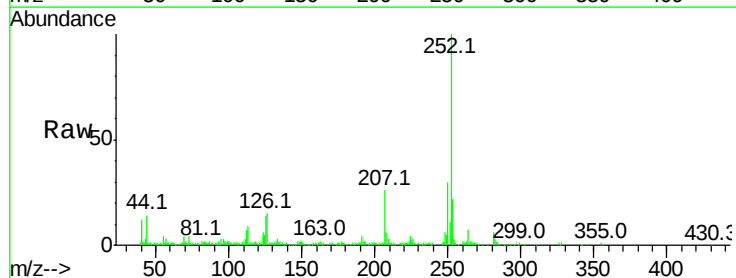
RT: 24.67 min Scan# 3673

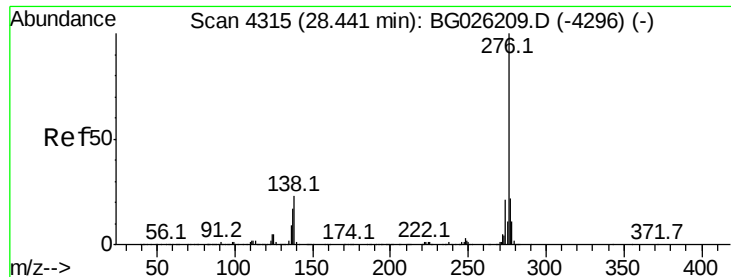
Delta R.T. 0.00 min

Lab File: BG026219.D

Acq: 13 Mar 2017 19:48

Tgt Ion:	252	Resp:	136786
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	13.9	9.4	14.2





#28

Indeno(1,2,3-cd)pyrene

Concen: 3.22 ng/ul

RT: 28.44 min Scan# 4315

Delta R.T. 0.00 min

Lab File: BG026219.D

Acq: 13 Mar 2017 19:48

Instrument :

BNA_G

ClientSampleId :

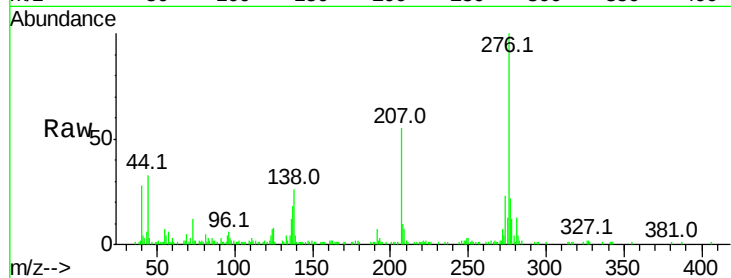
Tot Ion:276 Resp: 111121

Ion Ratio Lower Upper

276 100

138 26.2 17.8 26.6

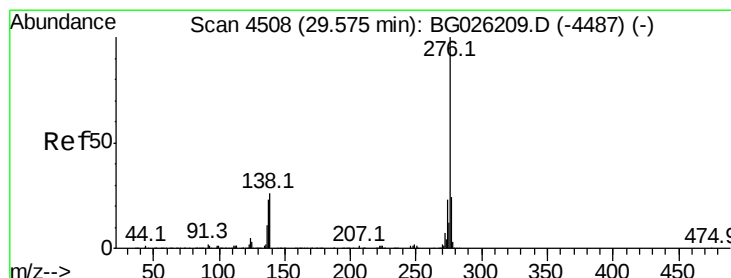
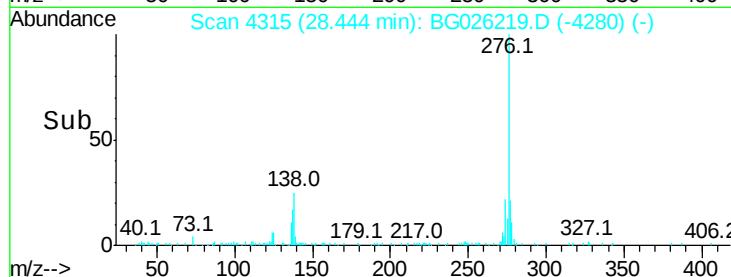
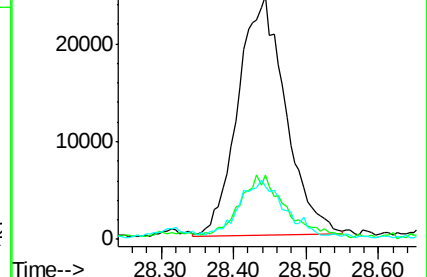
277 21.8 19.4 29.0



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(g,h,i)perylene

Concen: 3.43 ng/ul

RT: 29.57 min Scan# 4507

Delta R.T. -0.00 min

Lab File: BG026219.D

Acq: 13 Mar 2017 19:48

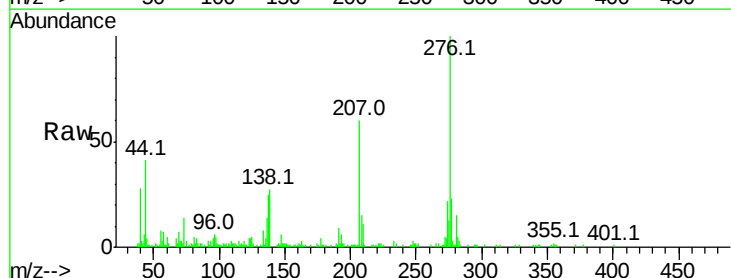
Tgt Ion:276 Resp: 100744

Ion Ratio Lower Upper

276 100

138 27.3 19.0 28.4

277 23.4 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

