

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031517\
 Data File : BG026251.D
 Acq On : 16 Mar 2017 2:14
 Operator : SJ/MA
 Sample : I2236-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DABG4

Quant Time: Mar 16 04:25:46 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.3-EPA-BG021617MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 16 04:25:12 2017
 Response via : Initial Calibration

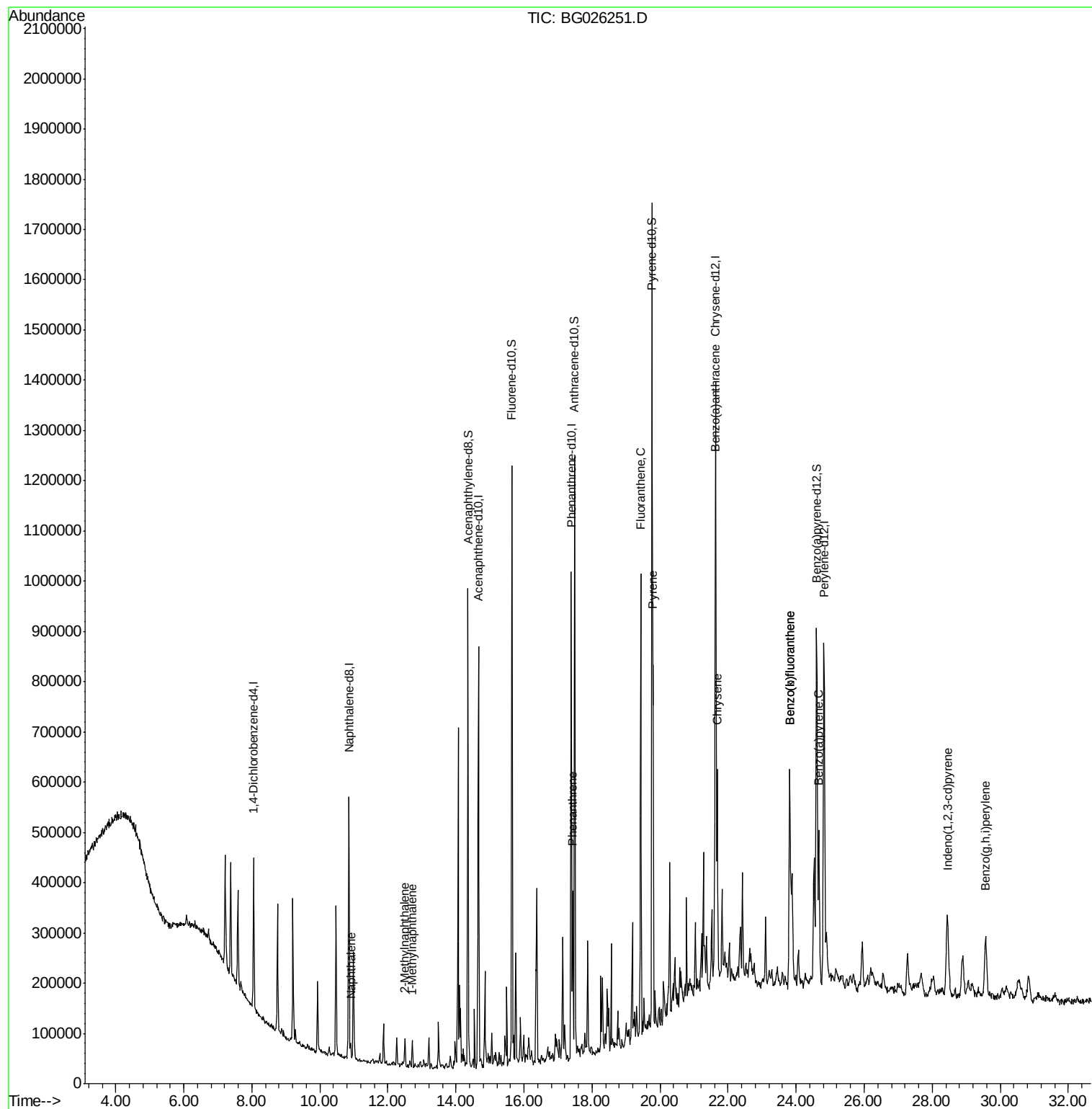
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	81529	20.00	ng/ul	0.00
2) Naphthalene-d8	10.85	136	437347	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.66	164	261677	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.39	188	565351	20.00	ng/ul	0.00
17) Chrysene-d12	21.63	240	574002	20.00	ng/ul	0.00
22) Perylene-d12	24.82	264	541950	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	14.35	160	667364	30.80	ng/ul	0.00
10) Fluorene-d10	15.64	176	475680	28.58	ng/ul	0.00
14) Anthracene-d10	17.49	188	672189	26.30	ng/ul	0.00
18) Pyrene-d10	19.77	212	717005	25.92	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.60	264	650420	27.12	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.91	128	25937	1.20	ng/ul#	96
4) 2-Methylnaphthalene	12.50	142	26043	1.53	ng/ul	92
5) 1-Methylnaphthalene	12.72	142	24724	1.49	ng/ul	94
13) Phenanthrene	17.43	178	209821	6.96	ng/ul	95
16) Fluoranthene	19.43	202	514658	15.53	ng/ul	97
19) Pyrene	19.80	202	434071	12.50	ng/ul	98
20) Benzo(a)anthracene	21.62	228	271605	8.41	ng/ul	94
21) Chrysene	21.68	228	295104	9.57	ng/ul	99
23) Benzo(b)fluoranthene	23.81	252	475645	15.19	ng/ul#	96
24) Benzo(k)fluoranthene	23.81	252	475645	15.72	ng/ul#	96
26) Benzo(a)pyrene	24.67	252	283460	9.35	ng/ul#	95
27) Indeno(1,2,3-cd)pyrene	28.44	276	224189	6.32	ng/ul#	82
29) Benzo(a,h,i)perylene	29.57	276	213034	7.27	ng/ul#	92

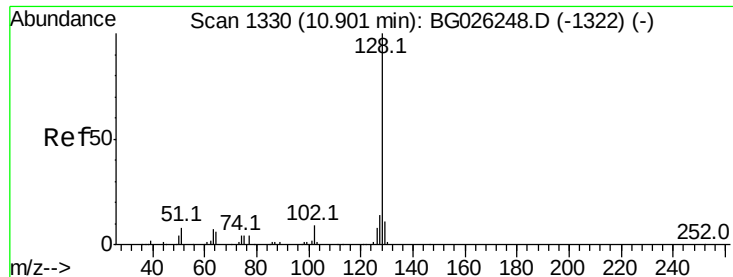
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.20 ng/ul

RT: 10.91 min Scan# 1330

Delta R.T. 0.00 min

Lab File: BG026251.D

Acq: 16 Mar 2017 2:14

Instrument :

BNA_G

ClientSampleId :

DABG4

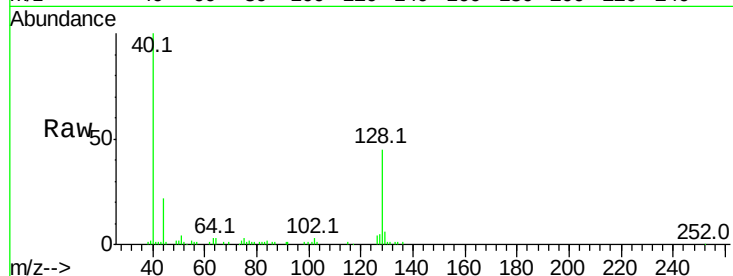
Tot Ion:128 Resp: 25937

Ion Ratio Lower Upper

128 100

129 13.3 8.7 13.1#

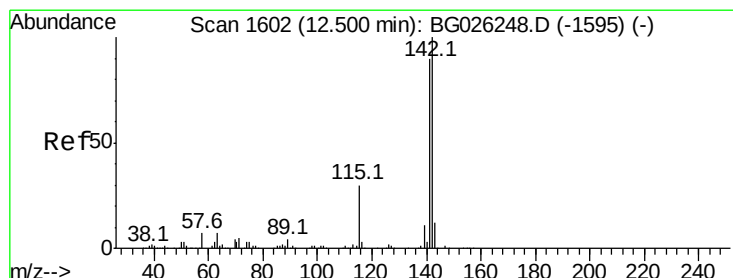
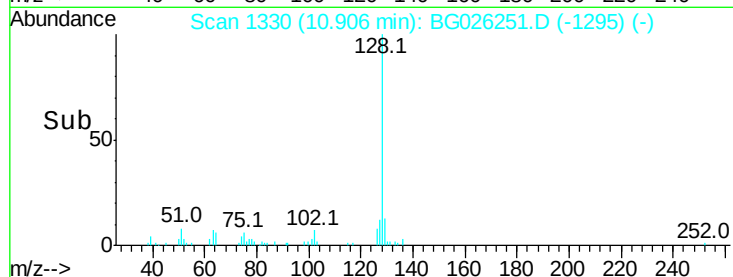
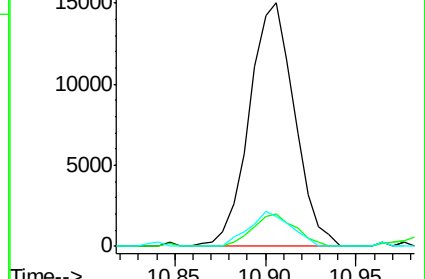
127 12.2 10.6 16.0



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



#4

2-Methylnaphthalene

Concen: 1.53 ng/ul

RT: 12.50 min Scan# 1601

Delta R.T. -0.00 min

Lab File: BG026251.D

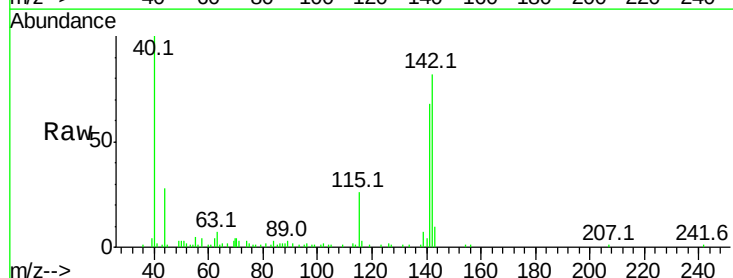
Acq: 16 Mar 2017 2:14

Tgt Ion:142 Resp: 26043

Ion Ratio Lower Upper

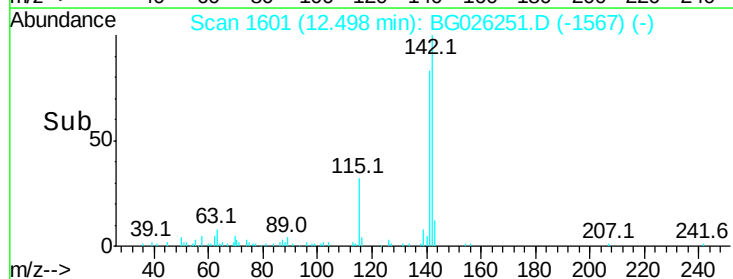
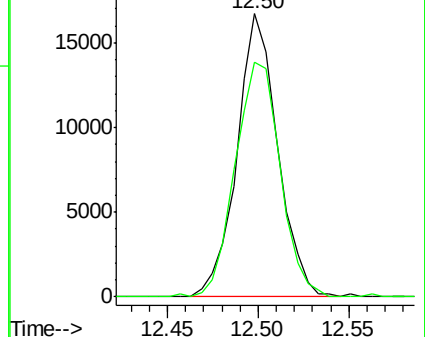
142 100

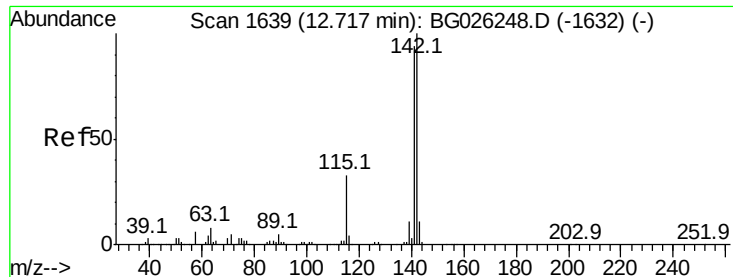
141 82.9 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 1.49 ng/ul

RT: 12.72 min Scan# 1638

Delta R.T. -0.00 min

Lab File: BG026251.D

Acq: 16 Mar 2017 2:14

Instrument :

BNA_G

ClientSampleId :

DABG4

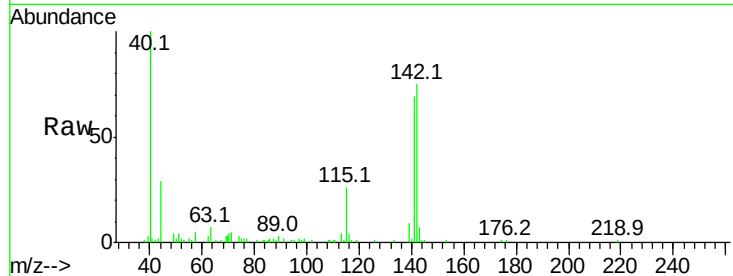
Tot Ion:142 Resp: 24724

Ion Ratio Lower Upper

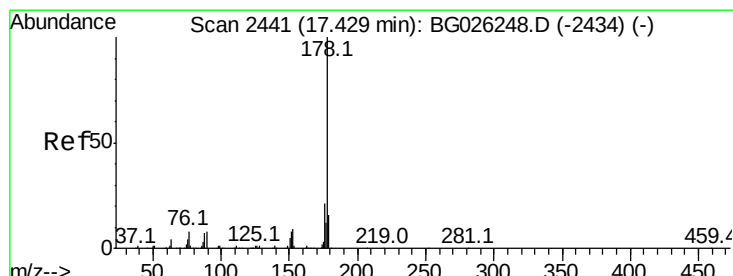
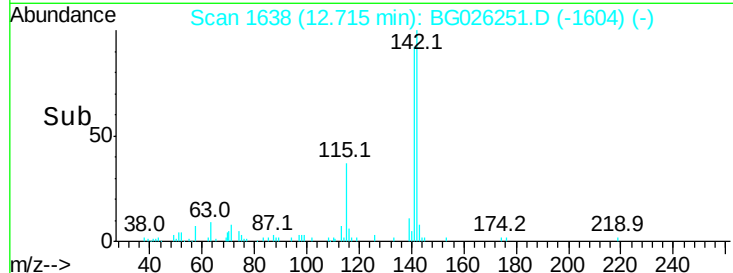
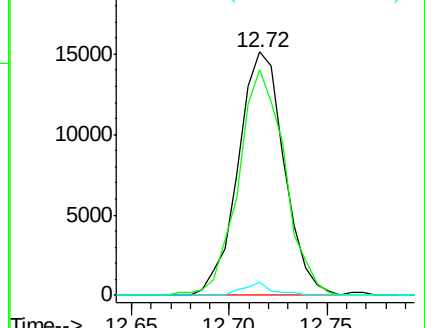
142 100

141 92.8 79.3 118.9

116 5.5 4.2 6.2



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E



#13

Phenanthrene

Concen: 6.96 ng/ul

RT: 17.43 min Scan# 2441

Delta R.T. 0.00 min

Lab File: BG026251.D

Acq: 16 Mar 2017 2:14

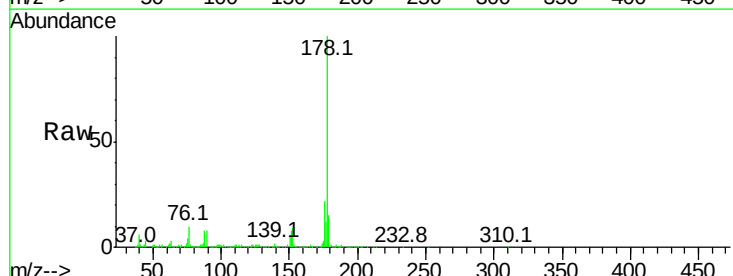
Tgt Ion:178 Resp: 209821

Ion Ratio Lower Upper

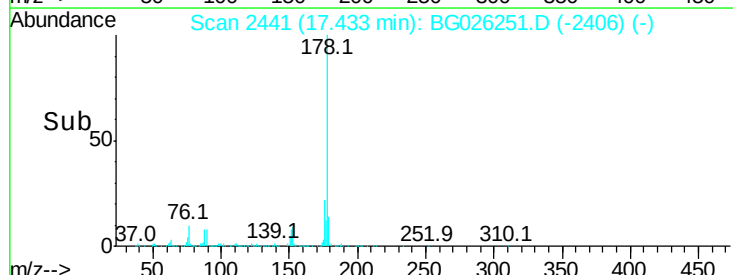
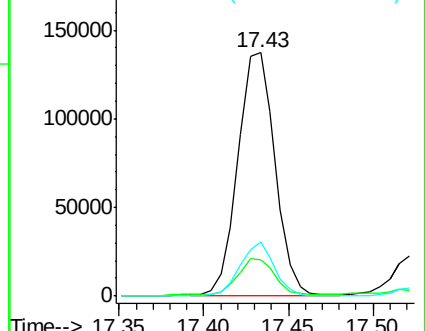
178 100

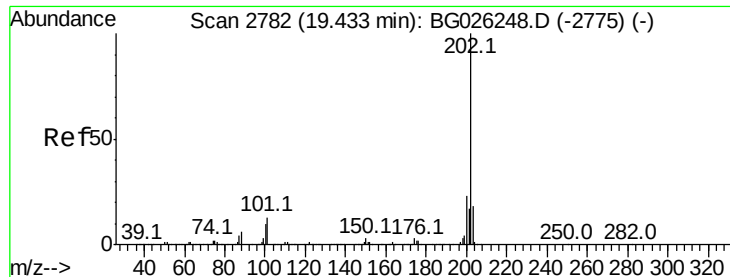
179 14.8 12.3 18.5

176 22.1 15.1 22.7



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

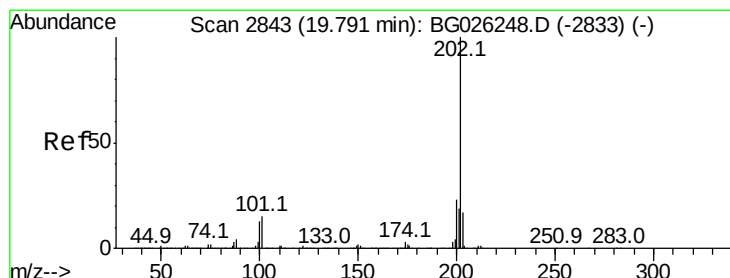
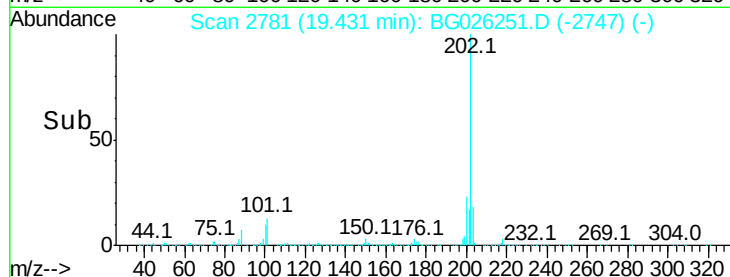
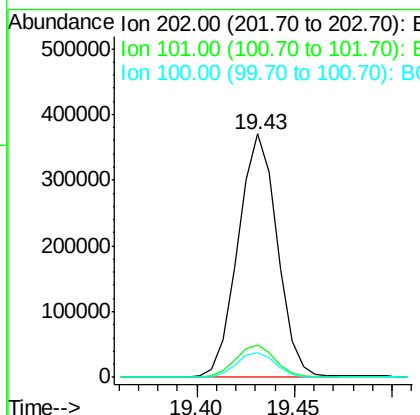
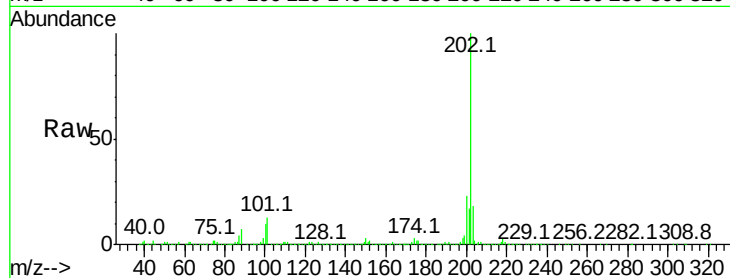




#16
 Fluoranthene
 Concen: 15.53 ng/ul
 RT: 19.43 min Scan# 2781
 Delta R.T. -0.00 min
 Lab File: BG026251.D
 Acq: 16 Mar 2017 2:14

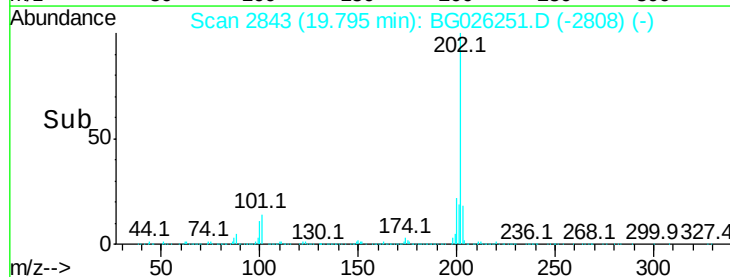
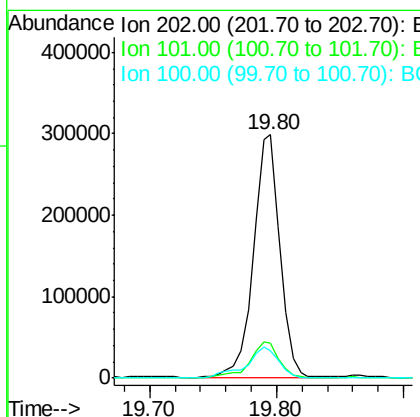
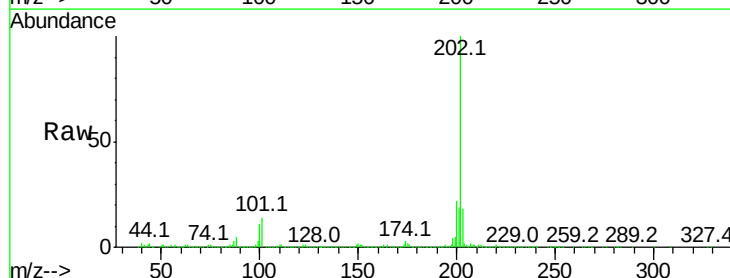
Instrument :
 BNA_G
 ClientSampleId :
 DABG4

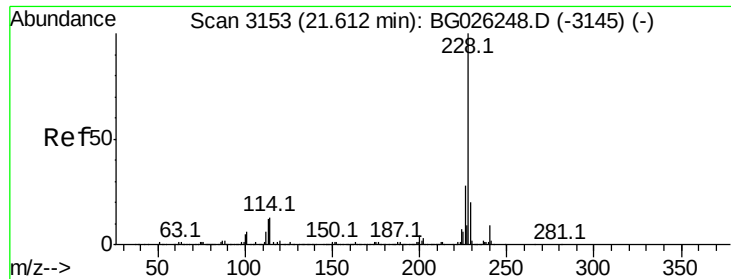
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.5	9.9	14.9
100	10.1	7.4	11.0



#19
 Pyrene
 Concen: 12.50 ng/ul
 RT: 19.80 min Scan# 2843
 Delta R.T. 0.00 min
 Lab File: BG026251.D
 Acq: 16 Mar 2017 2:14

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.3	11.0	16.4
100	11.4	8.1	12.1





#20

Benzo(a)anthracene

Concen: 8.41 ng/ul

RT: 21.62 min Scan# 3153

Delta R.T. 0.00 min

Lab File: BG026251.D

Acq: 16 Mar 2017 2:14

Instrument :

BNA_G

ClientSampled :

DABG4

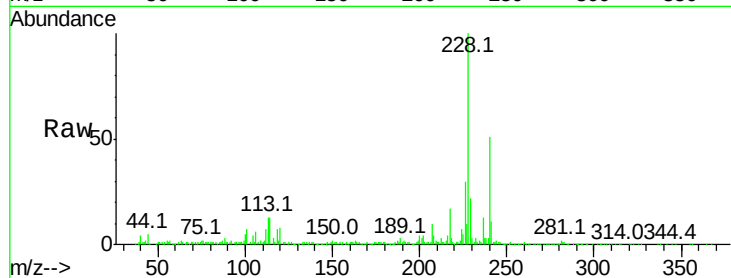
Tot Ion:228 Resp: 271605

Ion Ratio Lower Upper

228 100

229 21.8 15.7 23.5

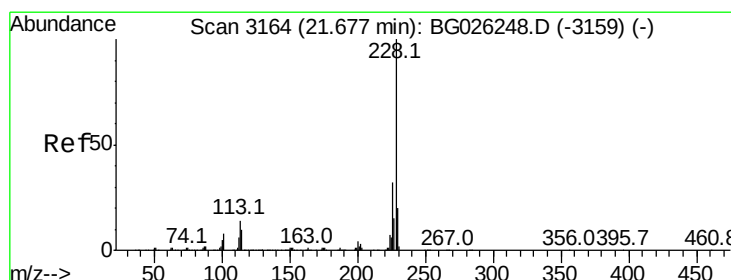
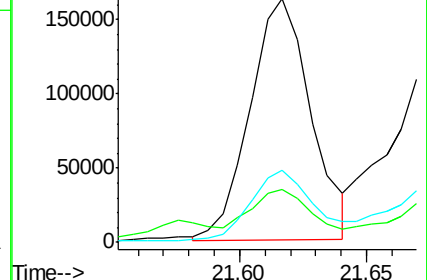
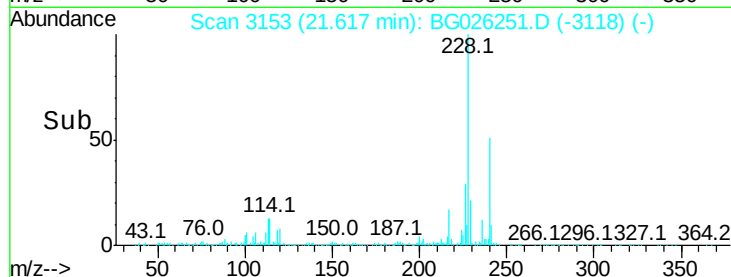
226 29.6 21.1 31.7



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



#21

Chrysene

Concen: 9.57 ng/ul

RT: 21.68 min Scan# 3164

Delta R.T. 0.00 min

Lab File: BG026251.D

Acq: 16 Mar 2017 2:14

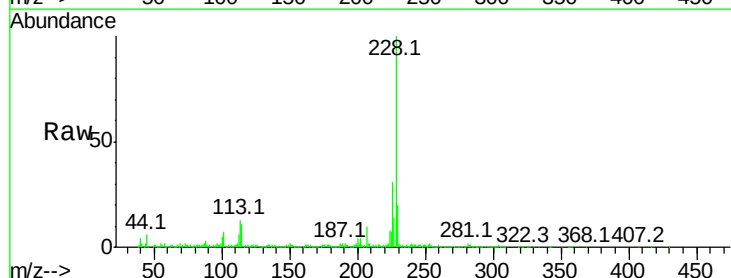
Tgt Ion:228 Resp: 295104

Ion Ratio Lower Upper

228 100

226 31.4 24.5 36.7

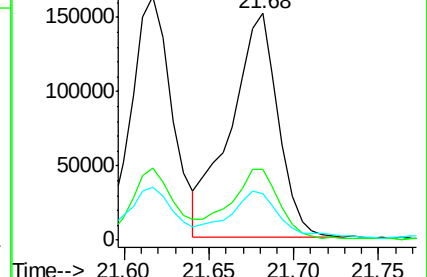
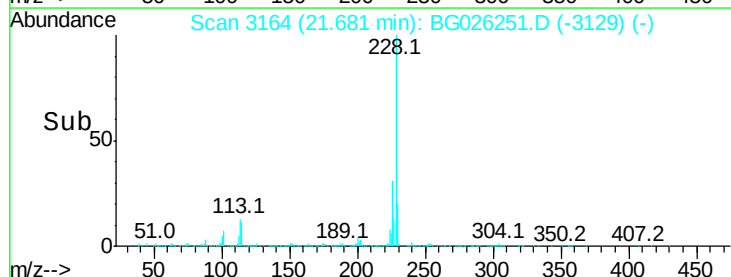
229 20.4 15.8 23.8

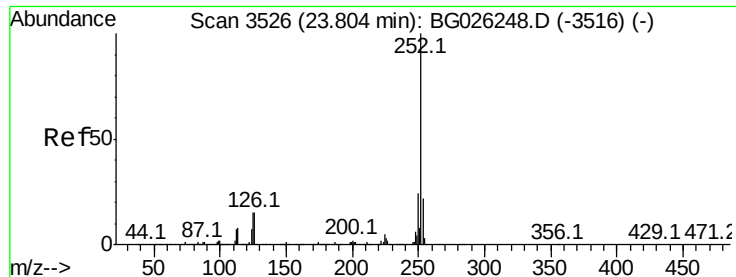


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 15.19 ng/ul

RT: 23.81 min Scan# 3526

Delta R.T. 0.00 min

Lab File: BG026251.D

Acq: 16 Mar 2017 2:14

Instrument :

BNA_G

ClientSampleId :

DABG4

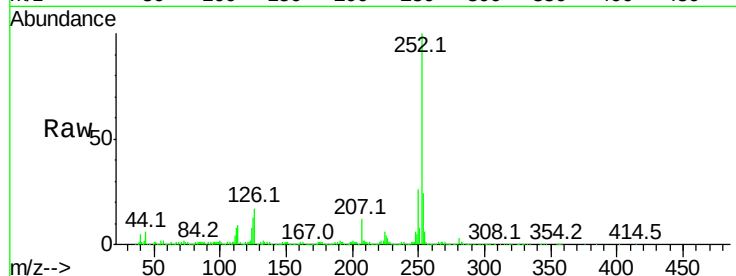
Tot Ion:252 Resp: 475645

Ion Ratio Lower Upper

252 100

253 23.6 18.0 27.0

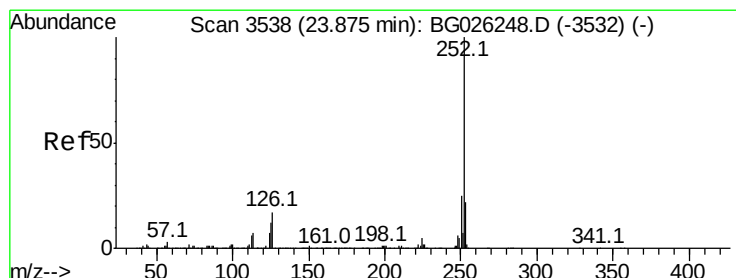
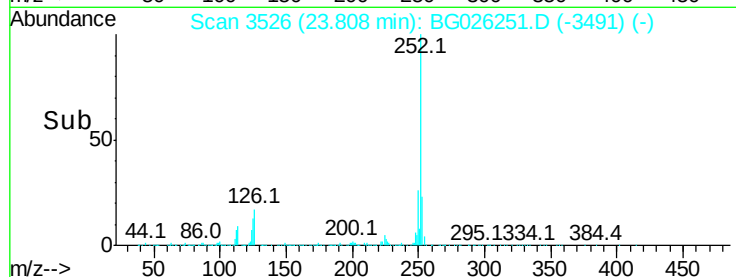
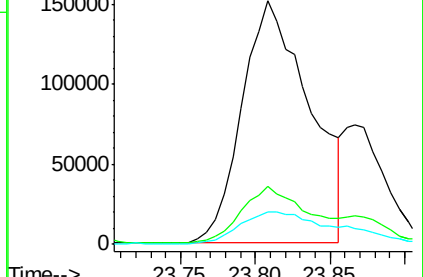
125 13.1 8.0 12.0#



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



#24

Benzo(k)fluoranthene

Concen: 15.72 ng/ul

RT: 23.81 min Scan# 3526

Delta R.T. -0.07 min

Lab File: BG026251.D

Acq: 16 Mar 2017 2:14

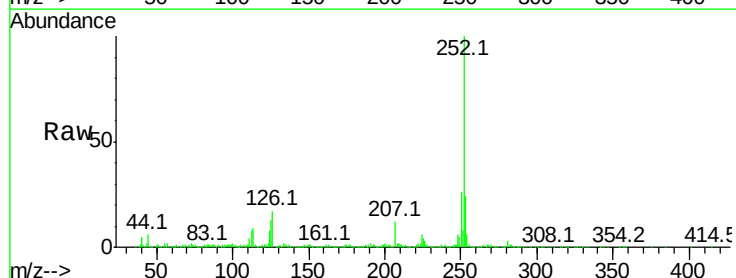
Tgt Ion:252 Resp: 475645

Ion Ratio Lower Upper

252 100

253 23.6 18.0 27.0

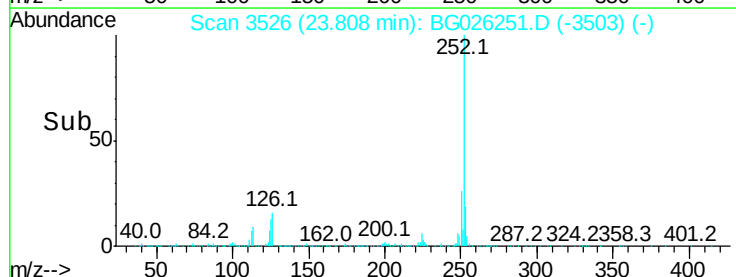
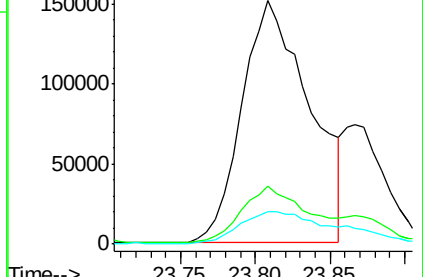
125 13.1 8.1 12.1#

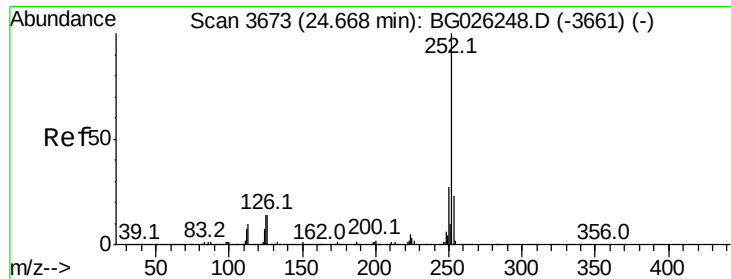


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

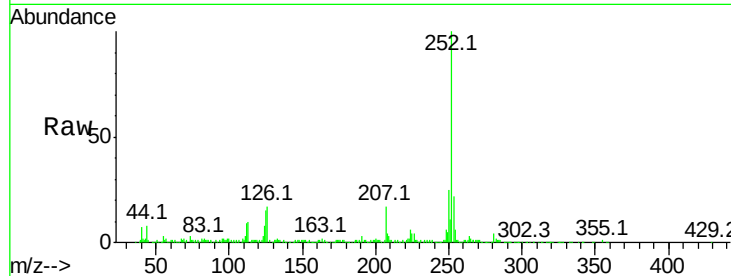




#26
Benzo(a)pyrene
Concen: 9.35 ng/ul
RT: 24.67 min Scan# 3672
Delta R.T. -0.00 min
Lab File: BG026251.D
Acq: 16 Mar 2017 2:14

Instrument :
BNA_G
ClientSampleId :
DABG4

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.2	25.8
125	15.4	8.2	12.4

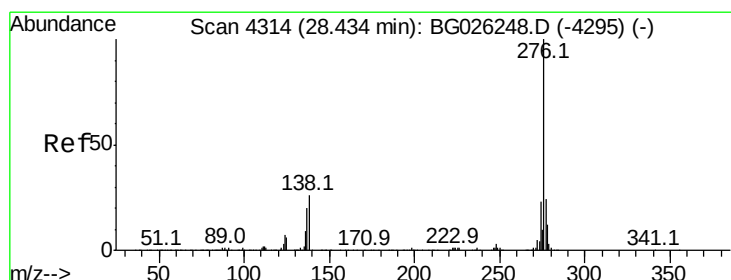
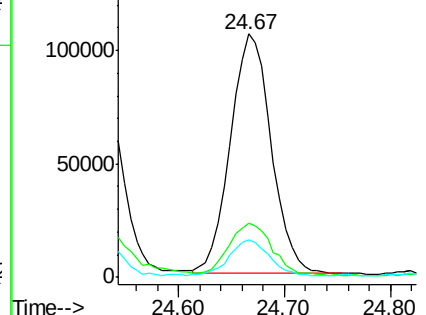
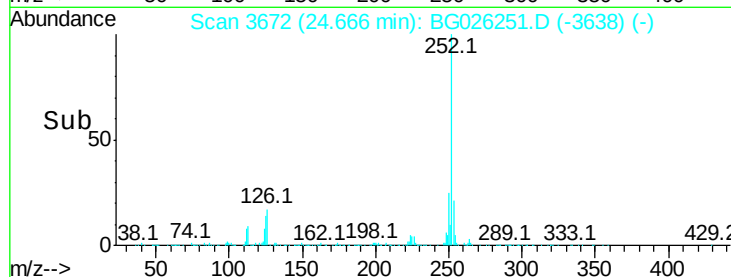


Abundance

Ion 252.00 (251.70 to 252.70): E

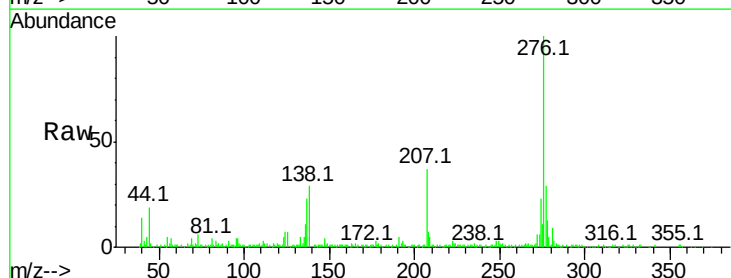
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#27
Indeno(1,2,3-cd)pyrene
Concen: 6.32 ng/ul
RT: 28.44 min Scan# 4314
Delta R.T. 0.00 min
Lab File: BG026251.D
Acq: 16 Mar 2017 2:14

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.7	14.4	21.6
277	28.7	18.0	27.0

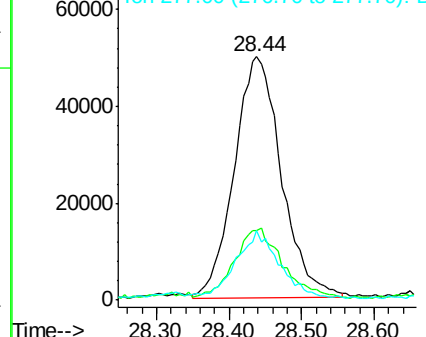
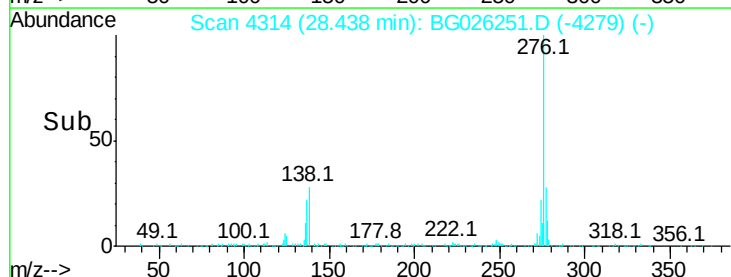


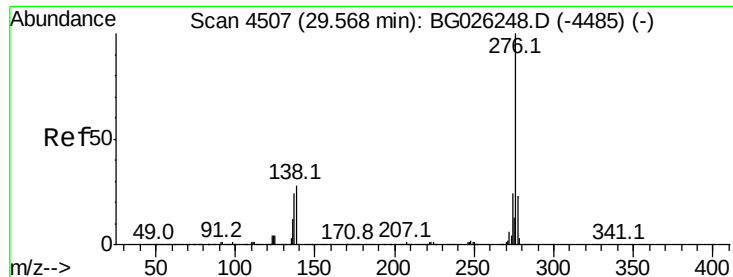
Abundance

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





#29

Benzo(a,h,i)perylene

Concen: 7.27 ng/ul

RT: 29.57 min Scan# 4507

Delta R.T. 0.00 min

Lab File: BG026251.D

Acq: 16 Mar 2017 2:14

Instrument :

BNA_G

ClientSampleId :

DABG4

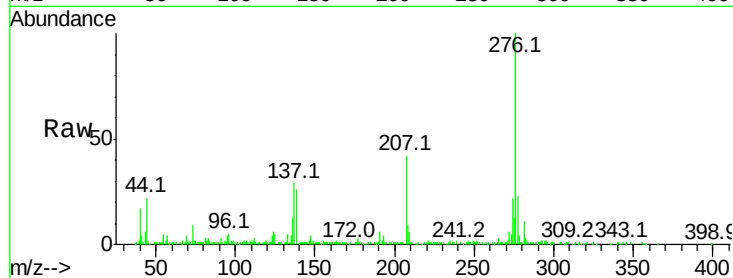
Tot Ion: 276 Resp: 213034

Ion Ratio Lower Upper

276 100

138 26.4 15.3 22.9#

277 22.9 19.0 28.4



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

