

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031517\
 Data File : BG026253.D
 Acq On : 16 Mar 2017 3:33
 Operator : SJ/MA
 Sample : I2236-08MS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DABG5MS

Quant Time: Mar 16 04:26:04 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

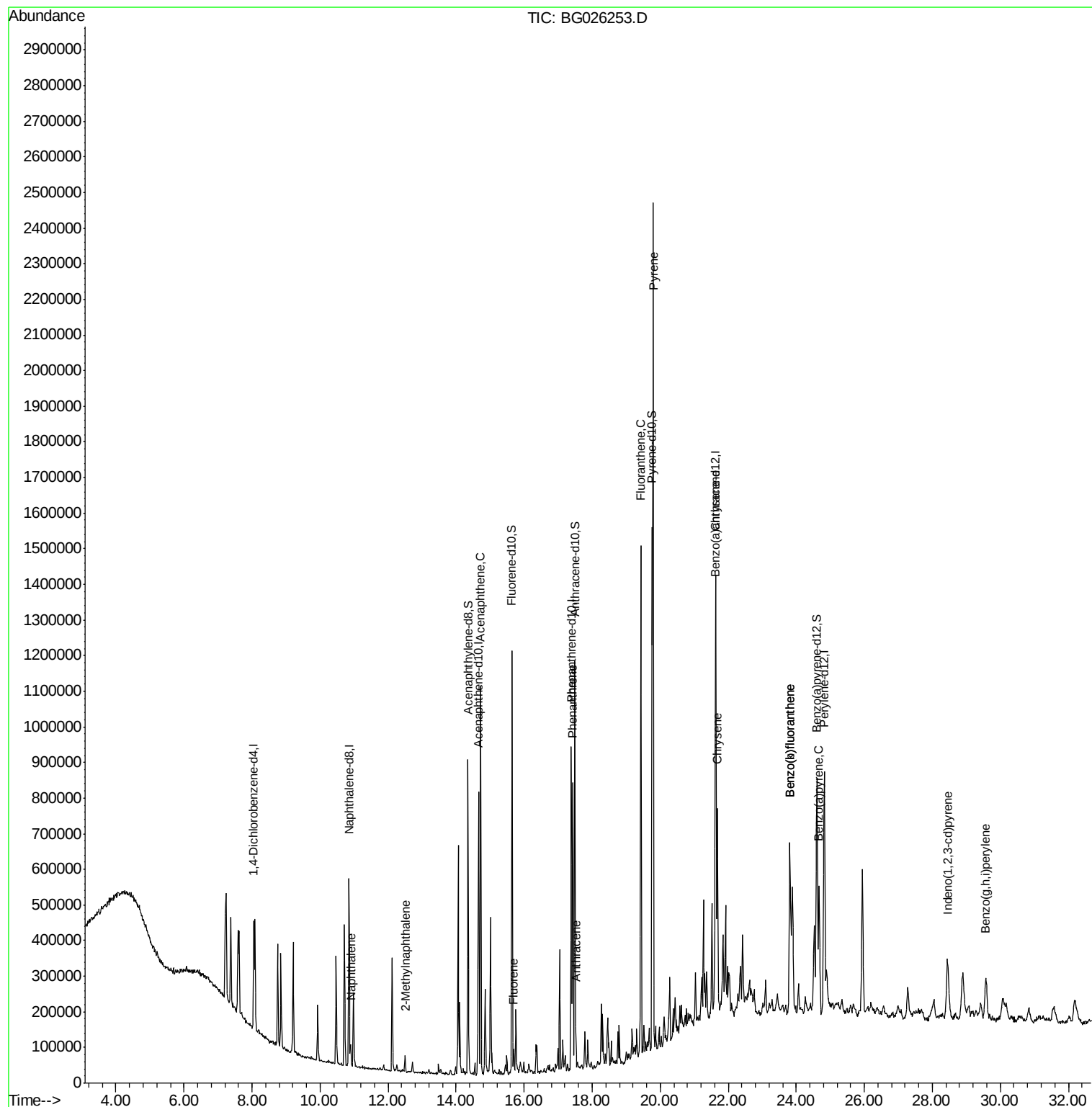
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	81769	20.00	ng/ul	0.00
2) Naphthalene-d8	10.85	136	436708	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.66	164	253922	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.39	188	543138	20.00	ng/ul	0.00
17) Chrysene-d12	21.64	240	564277	20.00	ng/ul	0.00
22) Perylene-d12	24.83	264	540779	20.00	ng/ul	0.01
System Monitoring Compounds						
7) Acenaphthylene-d8	14.35	160	636838	30.29	ng/ul	0.00
10) Fluorene-d10	15.64	176	446009	27.62	ng/ul	0.00
14) Anthracene-d10	17.49	188	612059	24.93	ng/ul	0.00
18) Pyrene-d10	19.76	212	655424	24.10	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.60	264	598434	25.01	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.91	128	51195	2.38	ng/ul	98
4) 2-Methylnaphthalene	12.50	142	21463	1.26	ng/ul	94
9) Acenaphthene	14.72	153	445132	28.92	ng/ul	96
11) Fluorene	15.70	166	24396	1.35	ng/ul	96
13) Phenanthrene	17.43	178	485673	16.77	ng/ul	98
15) Anthracene	17.52	178	70224	2.39	ng/ul	99
16) Fluoranthene	19.43	202	816308	25.64	ng/ul	97
19) Pyrene	19.79	202	1412297	41.36	ng/ul#	91
20) Benzo(a)anthracene	21.62	228	369666	11.65	ng/ul	95
21) Chrysene	21.68	228	377751	12.45	ng/ul	97
23) Benzo(b)fluoranthene	23.81	252	511085	16.36	ng/ul#	95
24) Benzo(k)fluoranthene	23.81	252	511085	16.93	ng/ul#	95
26) Benzo(a)pyrene	24.67	252	330952	10.94	ng/ul#	97
27) Indeno(1,2,3-cd)pyrene	28.44	276	247443	6.99	ng/ul#	88
29) Benzo(g,h,i)perylene	29.57	276	206760	7.08	ng/ul#	89

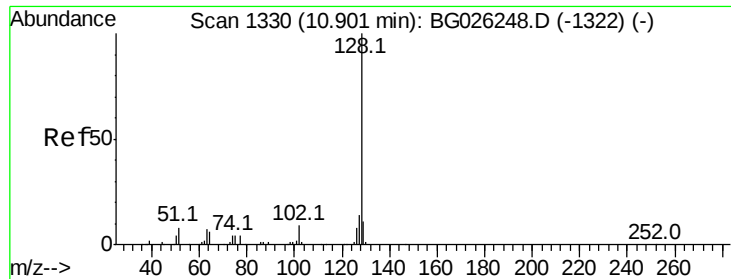
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 16 04:25:12 2017
Response via : Initial Calibration





#3

Naphthalene

Concen: 2.38 ng/ul

RT: 10.91 min Scan# 1331

Delta R.T. 0.01 min

Lab File: BG026253.D

Acq: 16 Mar 2017 3:33

Instrument :

BNA_G

ClientSampleId :

DABG5MS

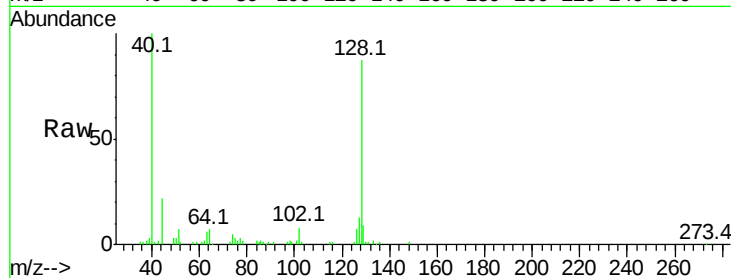
Tot Ion:128 Resp: 51195

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

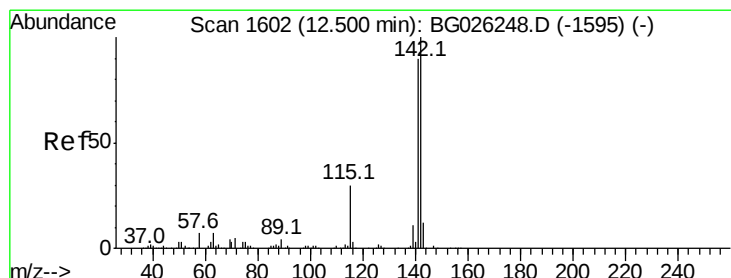
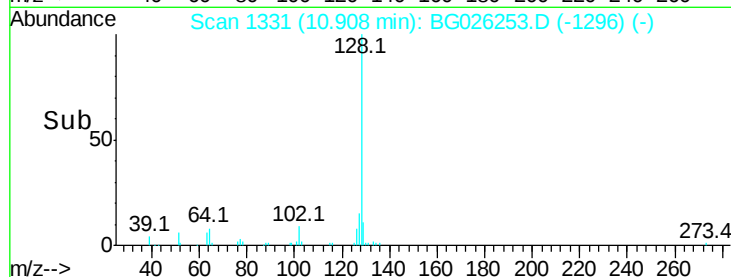
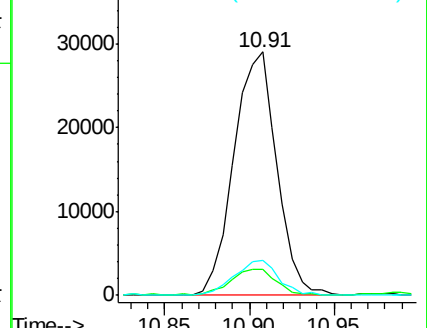
127 14.5 10.6 16.0



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: 1.26 ng/ul

RT: 12.50 min Scan# 1602

Delta R.T. 0.00 min

Lab File: BG026253.D

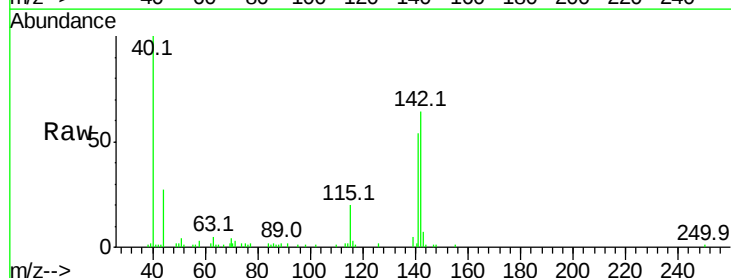
Acq: 16 Mar 2017 3:33

Tgt Ion:142 Resp: 21463

Ion Ratio Lower Upper

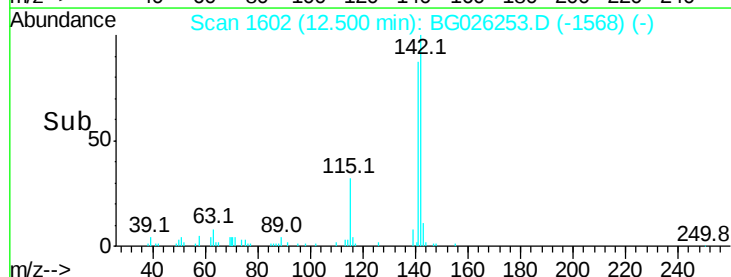
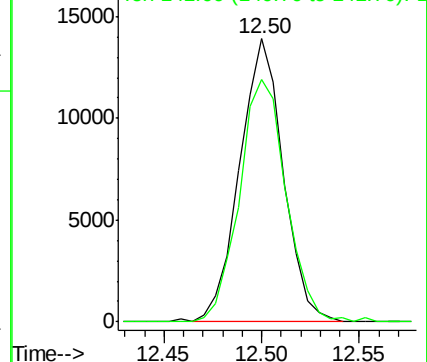
142 100

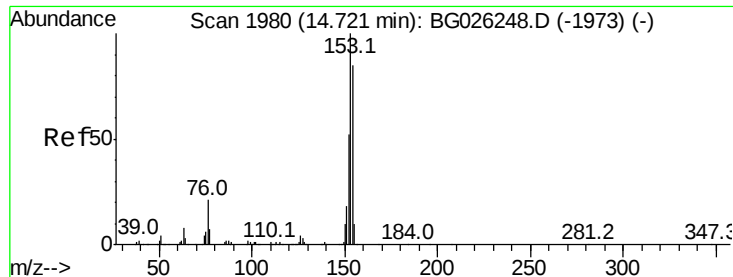
141 85.6 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthene

Concen: 28.92 ng/ul

RT: 14.72 min Scan# 1980

Delta R.T. 0.00 min

Lab File: BG026253.D

Acq: 16 Mar 2017 3:33

Instrument :

BNA_G

ClientSampleId :

DABG5MS

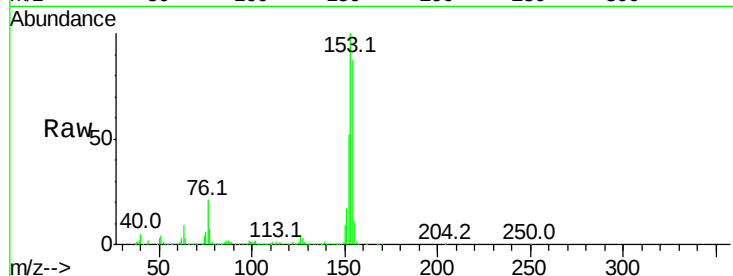
Tot Ion:153 Resp: 445132

Ion Ratio Lower Upper

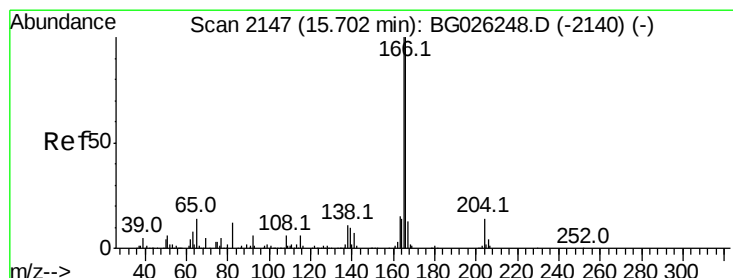
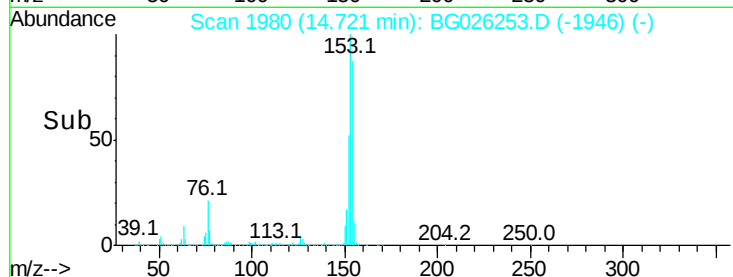
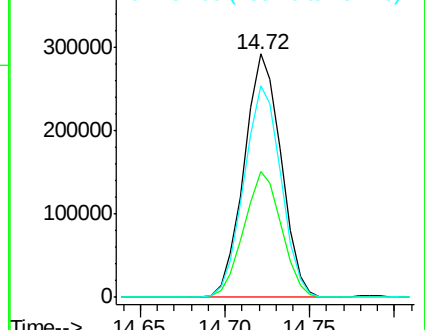
153 100

152 51.9 39.0 58.6

154 87.1 66.8 100.2



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: 1.35 ng/ul

RT: 15.70 min Scan# 2146

Delta R.T. -0.01 min

Lab File: BG026253.D

Acq: 16 Mar 2017 3:33

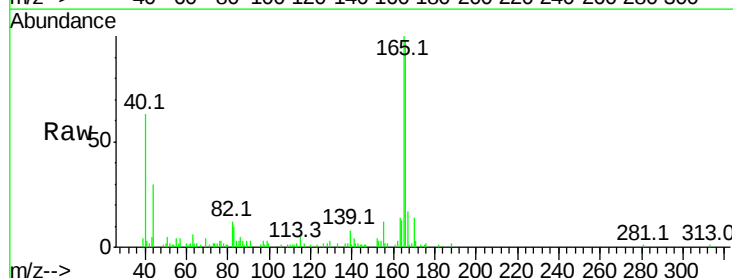
Tgt Ion:166 Resp: 24396

Ion Ratio Lower Upper

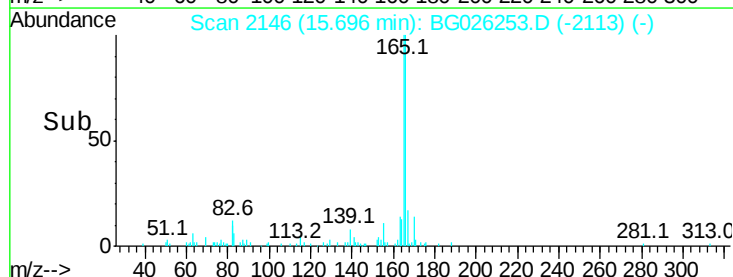
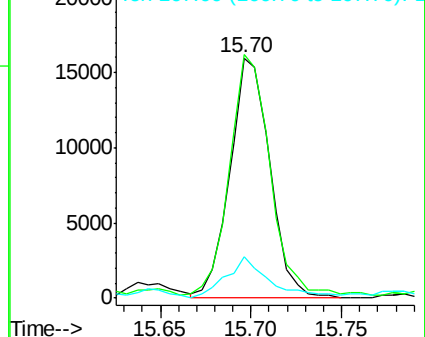
166 100

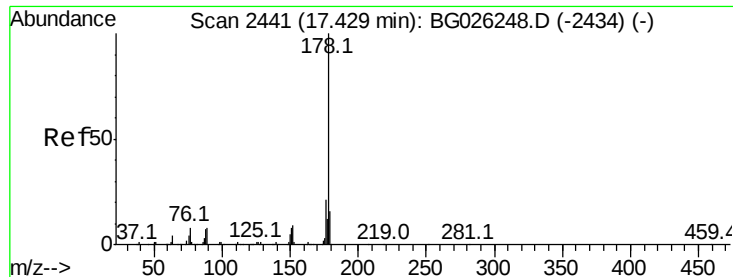
165 101.5 83.8 125.8

167 17.2 11.5 17.3



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





#13

Phenanthrene

Concen: 16.77 ng/ul

RT: 17.43 min Scan# 2441

Delta R.T. 0.00 min

Lab File: BG026253.D

Acq: 16 Mar 2017 3:33

Instrument :

BNA_G

ClientSampleId :

DABG5MS

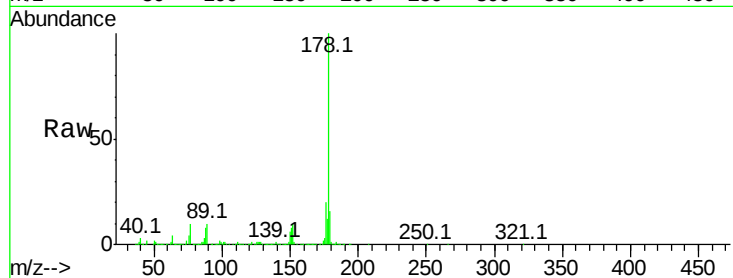
Tot Ion:178 Resp: 485673

Ion Ratio Lower Upper

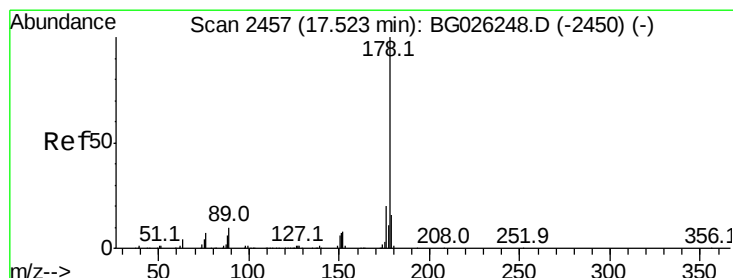
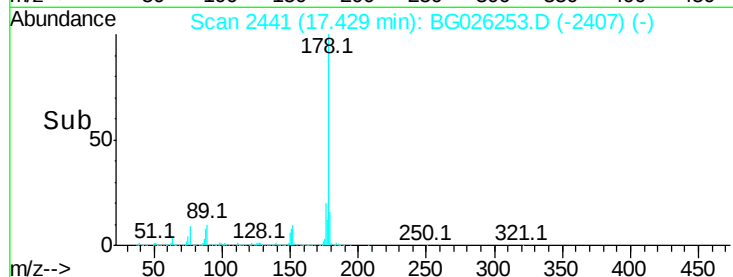
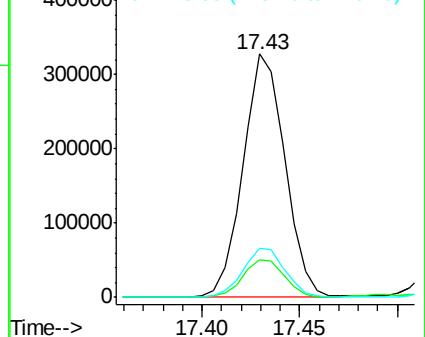
178 100

179 15.5 12.3 18.5

176 20.2 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



#15

Anthracene

Concen: 2.39 ng/ul

RT: 17.52 min Scan# 2457

Delta R.T. 0.00 min

Lab File: BG026253.D

Acq: 16 Mar 2017 3:33

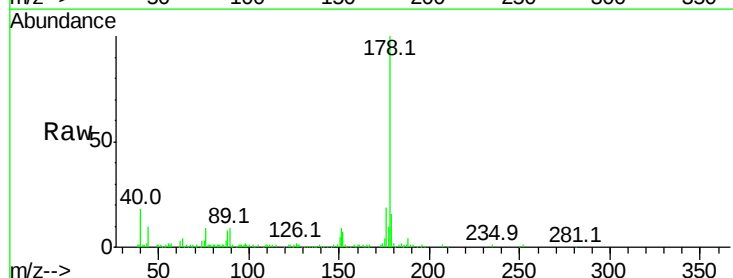
Tgt Ion:178 Resp: 70224

Ion Ratio Lower Upper

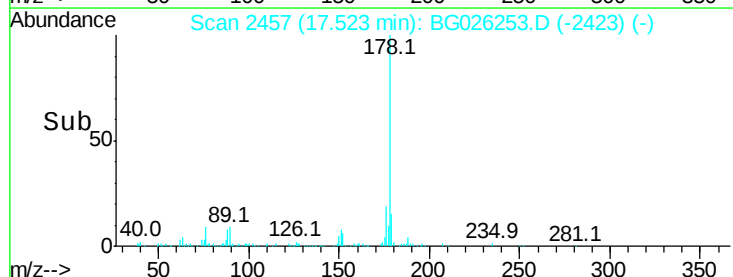
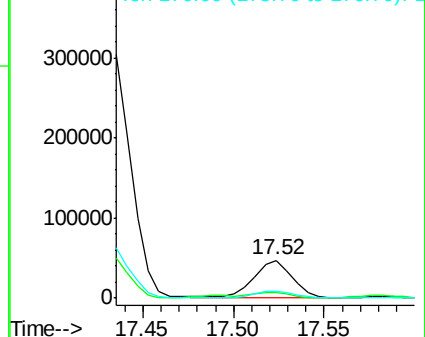
178 100

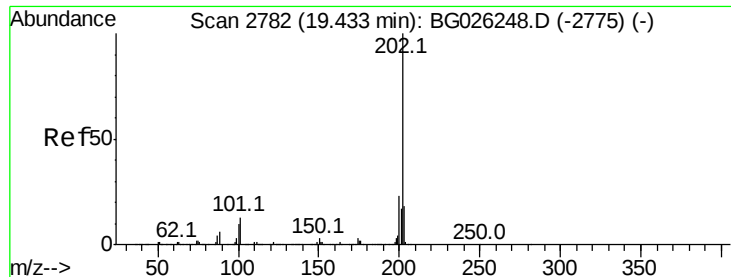
179 15.6 11.8 17.8

176 19.2 15.2 22.8



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

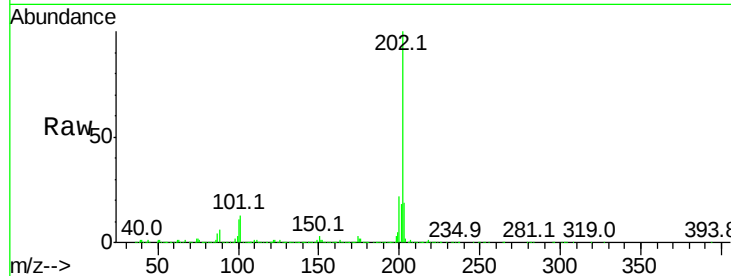




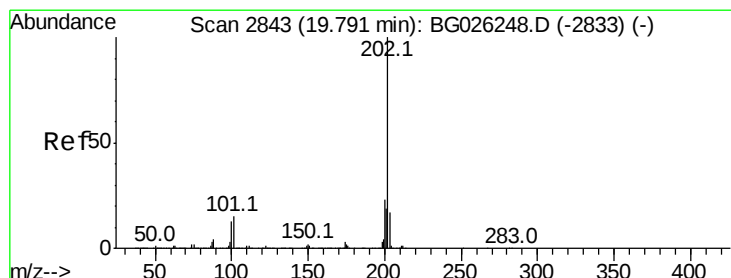
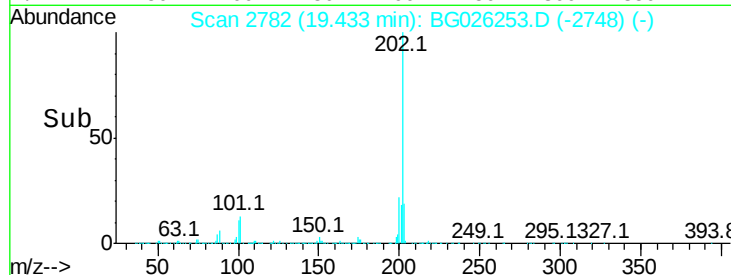
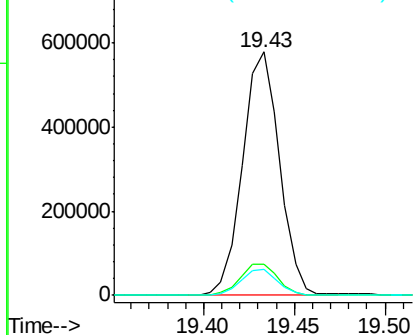
#16
 Fluoranthene
 Concen: 25.64 ng/ul
 RT: 19.43 min Scan# 2782
 Delta R.T. 0.00 min
 Lab File: BG026253.D
 Acq: 16 Mar 2017 3:33

Instrument :
 BNA_G
 ClientSampleId :
 DABG5MS

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.9	9.9	14.9
100	10.7	7.4	11.0

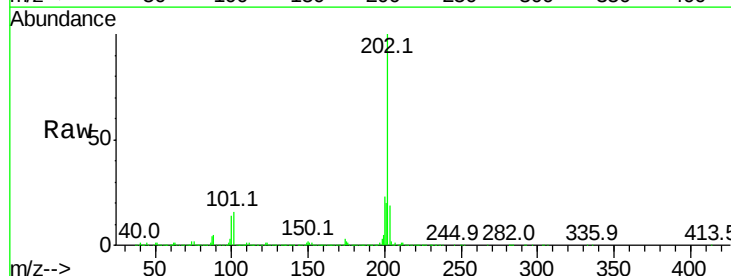


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

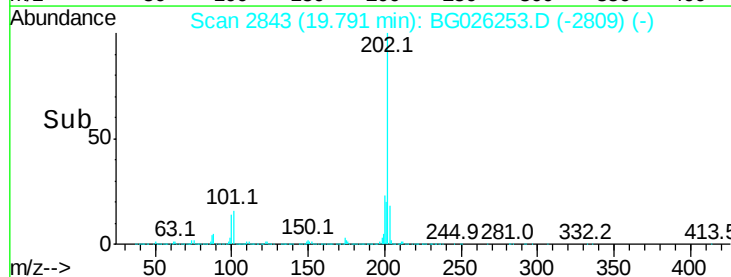
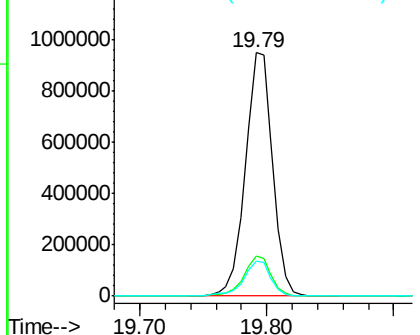


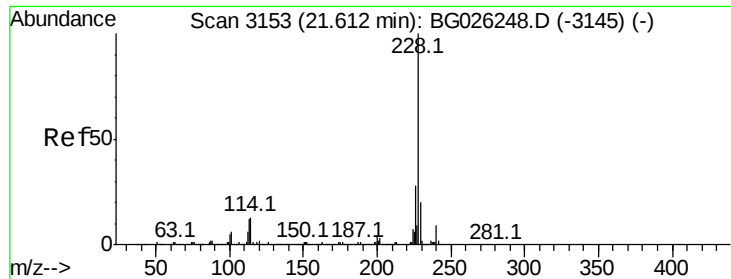
#19
 Pyrene
 Concen: 41.36 ng/ul
 RT: 19.79 min Scan# 2843
 Delta R.T. 0.00 min
 Lab File: BG026253.D
 Acq: 16 Mar 2017 3:33

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.3	11.0	16.4
100	14.4	8.1	12.1#



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

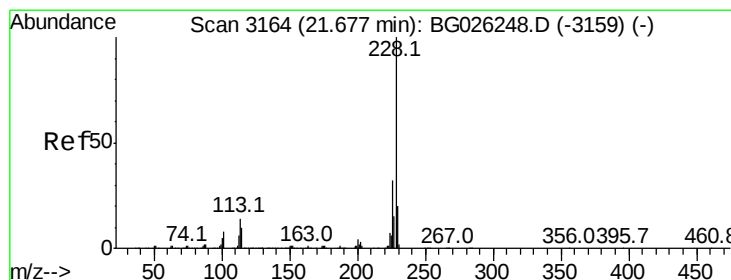
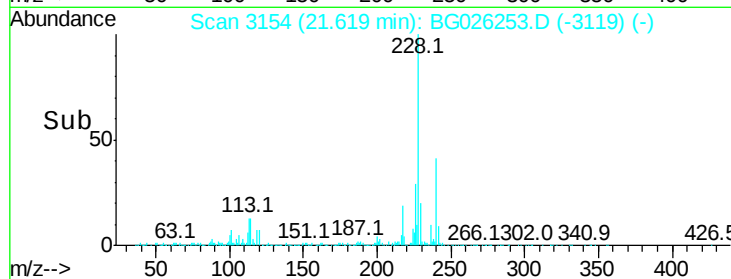
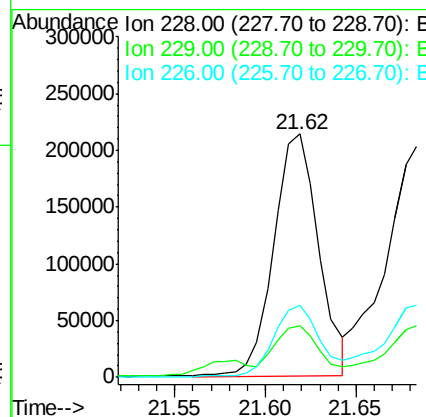
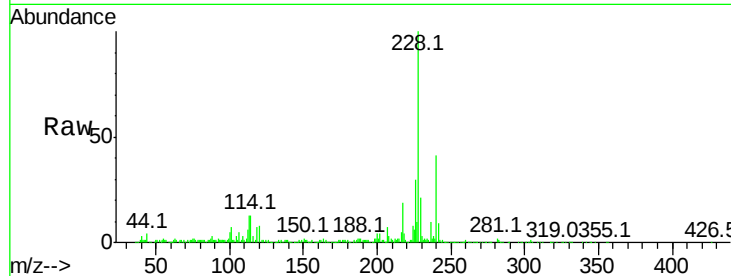




#20
Benzo(a)anthracene
Concen: 11.65 ng/ul
RT: 21.62 min Scan# 3154
Delta R.T. 0.01 min
Lab File: BG026253.D
Acq: 16 Mar 2017 3:33

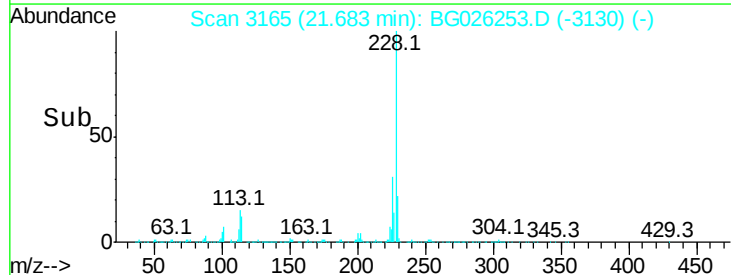
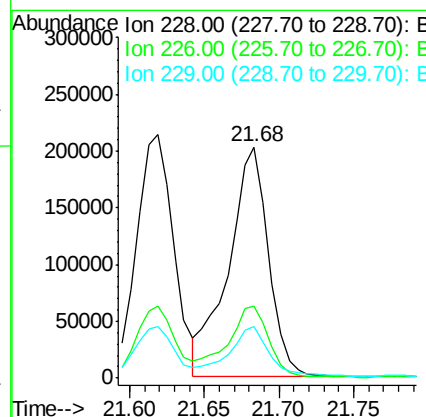
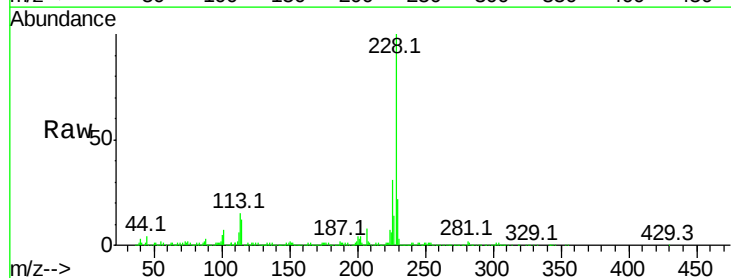
Instrument :
BNA_G
ClientSampleId :
DABG5MS

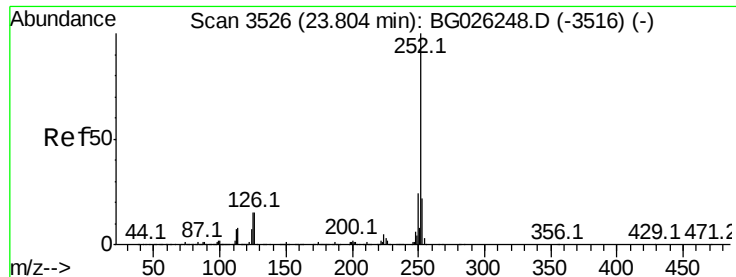
Tot Ion:228 Resp: 369666
Ion Ratio Lower Upper
228 100
229 21.0 15.7 23.5
226 29.6 21.1 31.7



#21
Chrysene
Concen: 12.45 ng/ul
RT: 21.68 min Scan# 3165
Delta R.T. 0.01 min
Lab File: BG026253.D
Acq: 16 Mar 2017 3:33

Tgt Ion:228 Resp: 377751
Ion Ratio Lower Upper
228 100
226 31.4 24.5 36.7
229 22.0 15.8 23.8





#23

Benzo(b)fluoranthene

Concen: 16.36 ng/ul

RT: 23.81 min Scan# 3527

Delta R.T. 0.01 min

Lab File: BG026253.D

Acq: 16 Mar 2017 3:33

Instrument :

BNA_G

ClientSampleId :

DABG5MS

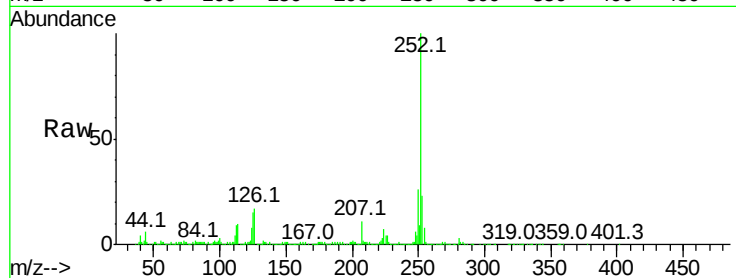
Tot Ion:252 Resp: 511085

Ion Ratio Lower Upper

252 100

253 22.8 18.0 27.0

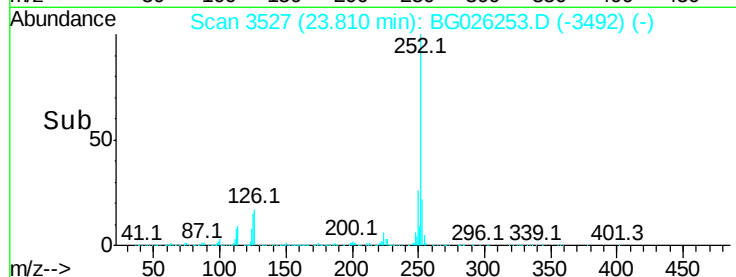
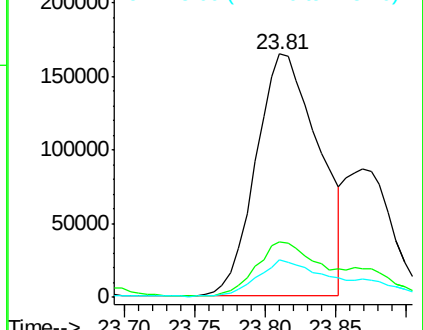
125 15.2 8.0 12.0#



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: 16.93 ng/ul

RT: 23.81 min Scan# 3527

Delta R.T. -0.06 min

Lab File: BG026253.D

Acq: 16 Mar 2017 3:33

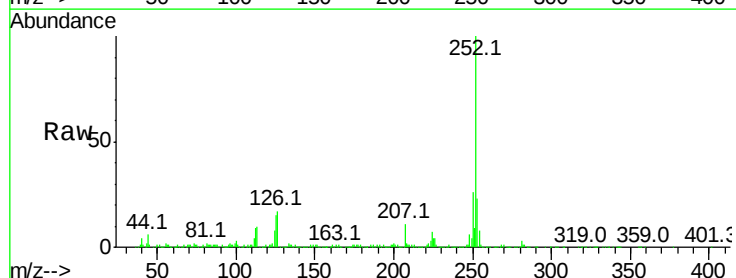
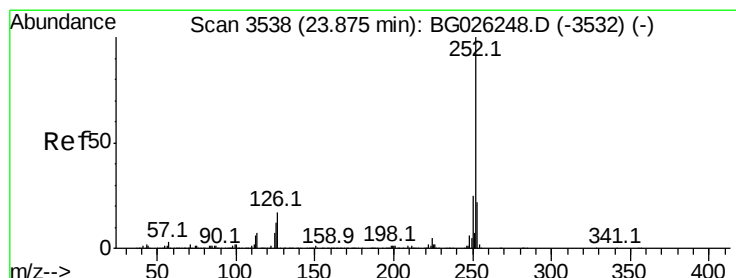
Tgt Ion:252 Resp: 511085

Ion Ratio Lower Upper

252 100

253 22.8 18.0 27.0

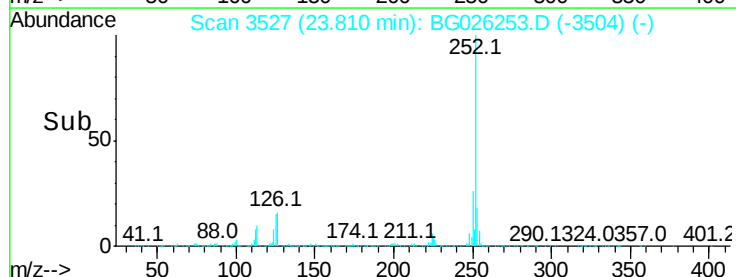
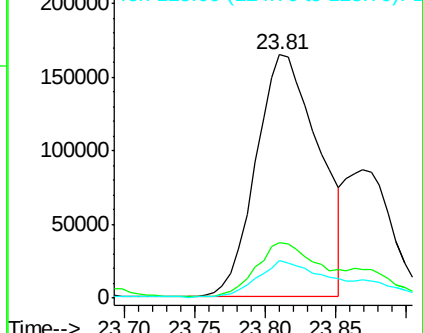
125 15.2 8.1 12.1#

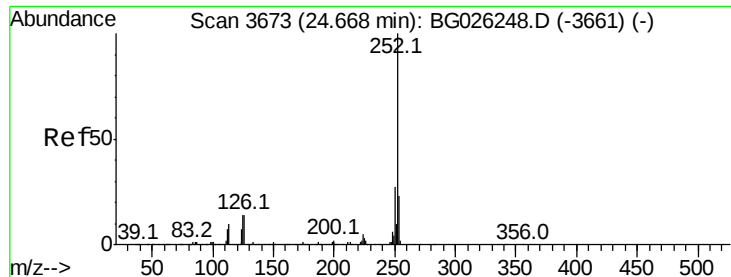


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

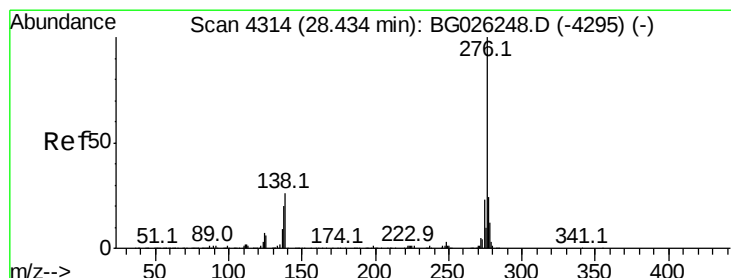
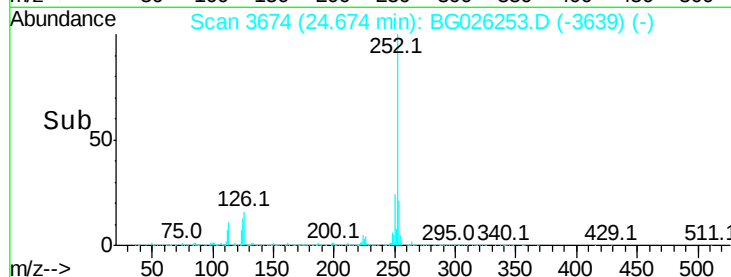
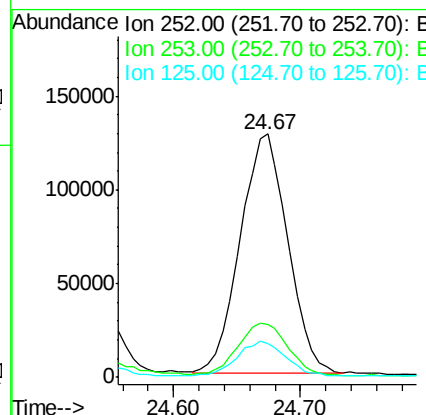
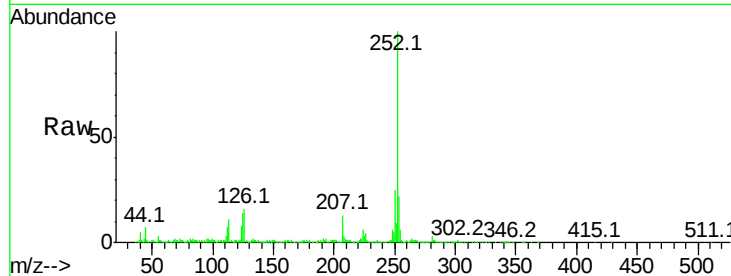




#26
Benzo(a)pyrene
Concen: 10.94 ng/ul
RT: 24.67 min Scan# 3674
Delta R.T. 0.01 min
Lab File: BG026253.D
Acq: 16 Mar 2017 3:33

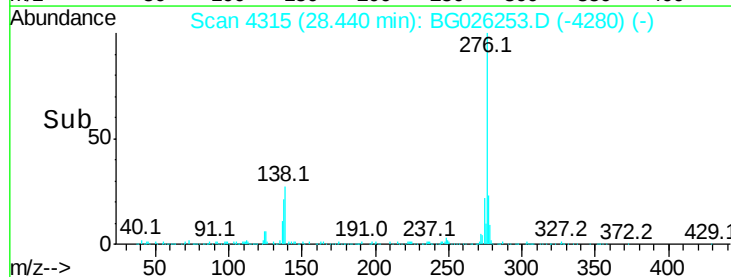
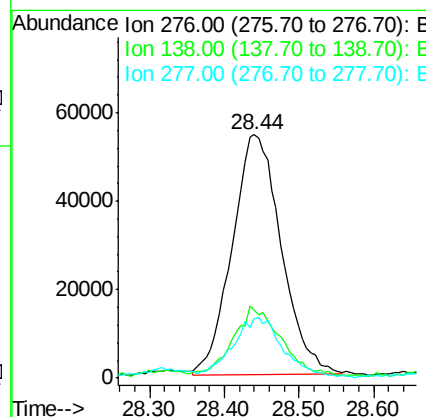
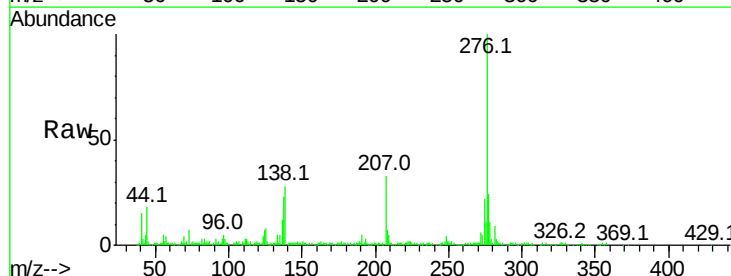
Instrument :
BNA_G
ClientSampleId :
DABG5MS

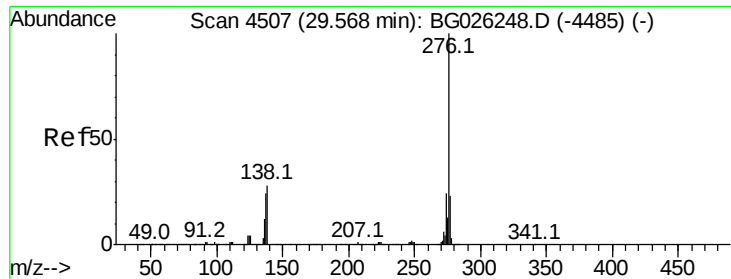
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.2	25.8
125	13.8	8.2	12.4



#27
Indeno(1,2,3-cd)pyrene
Concen: 6.99 ng/ul
RT: 28.44 min Scan# 4315
Delta R.T. 0.01 min
Lab File: BG026253.D
Acq: 16 Mar 2017 3:33

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.9	14.4	21.6
277	24.4	18.0	27.0





#29

Benzo(a,h,i)perylene

Concen: 7.08 ng/ul

RT: 29.57 min Scan# 4508

Delta R.T. 0.01 min

Lab File: BG026253.D

Acq: 16 Mar 2017 3:33

Instrument :

BNA_G

ClientSampleId :

DABG5MS

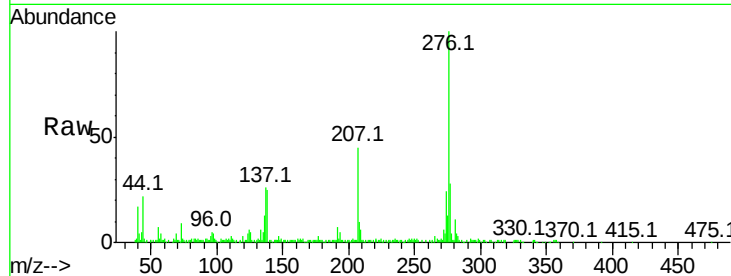
Tot Ion: 276 Resp: 206760

Ion Ratio Lower Upper

276 100

138 25.2 15.3 22.9#

277 27.7 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

