

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092116\
 Data File : BG024056.D
 Acq On : 21 Sep 2016 15:48
 Operator : UM/SJ
 Sample : H4819-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 YORK-SB2-02

Quant Time: Sep 21 16:34:28 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG083116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 20 19:01:00 2016
 Response via : Initial Calibration

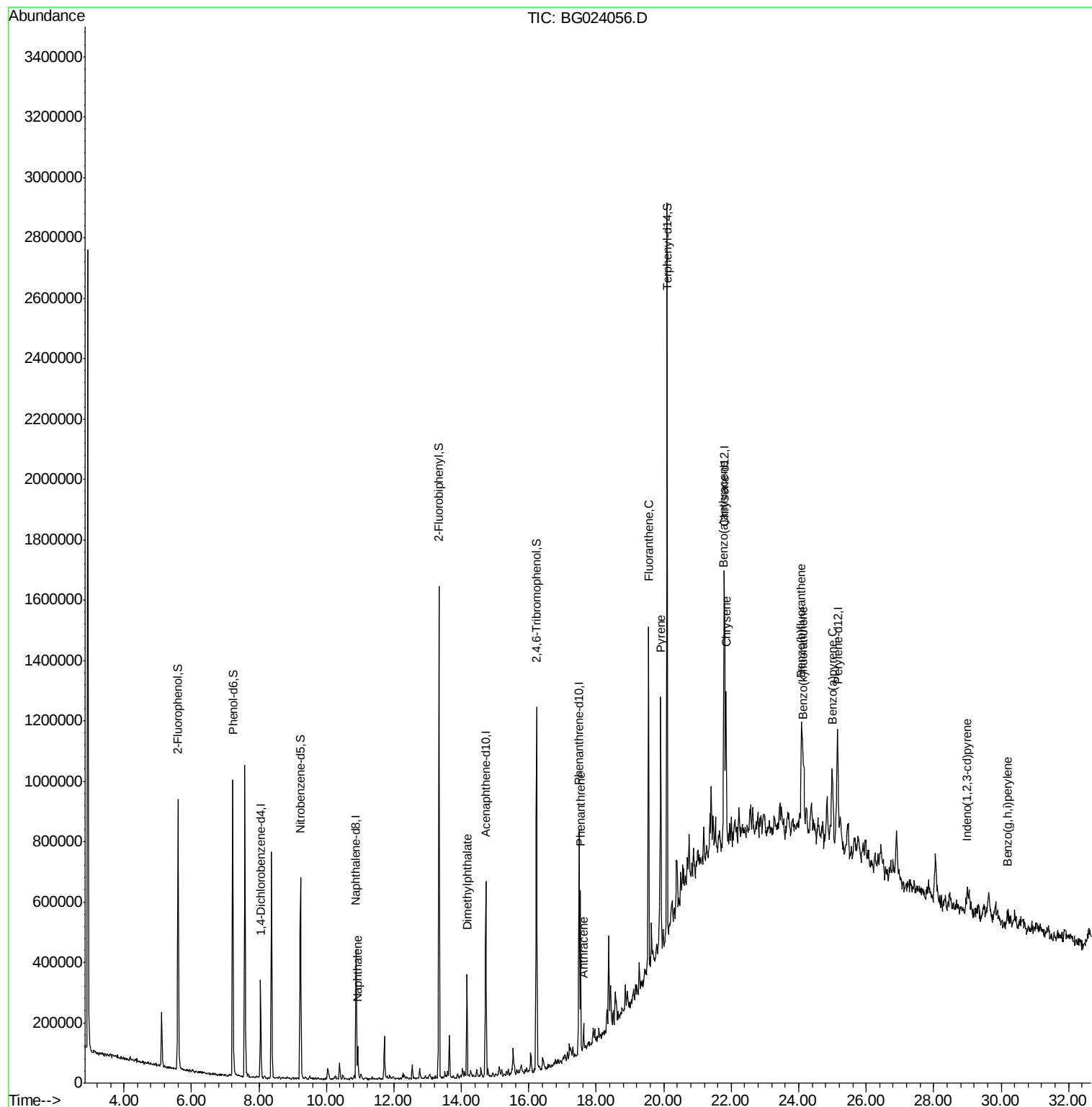
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	79650	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	324846	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	231662	20.00	ng	0.00
63) Phenanthrene-d10	17.49	188	433389	20.00	ng	0.00
75) Chrysene-d12	21.80	240	458850	20.00	ng	0.00
86) Perylene-d12	25.15	264	445809	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	357273	78.75	ng	0.00
7) Phenol-d6	7.22	99	558639	79.99	ng	0.00
23) Nitrobenzene-d5	9.23	82	431378	59.28	ng	0.00
41) 2,4,6-Tribromophenol	16.23	330	216755	51.93	ng	0.00
44) 2-Fluorobiphenyl	13.33	172	803879	49.75	ng	0.00
78) Terphenyl-d14	20.10	244	1000275	49.65	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.93	128	76317	4.56	ng	# 93
49) Dimethylphthalate	14.17	163	191308	9.63	ng	99
70) Phenanthrene	17.53	178	332062	14.73	ng	96
71) Anthracene	17.62	178	63746	2.77	ng	95
74) Fluoranthene	19.55	202	636739	23.46	ng	94
77) Pyrene	19.91	202	524905	18.60	ng	94
80) Benzo(a)anthracene	21.78	228	358619	13.96	ng	97
82) Chrysene	21.85	228	372021	15.22	ng	99
85) Indeno(1,2,3-cd)pyrene	28.99	276	132047	4.88	ng	# 100
87) Benzo(b)fluoranthene	24.08	252	444487	17.55	ng	# 84
88) Benzo(k)fluoranthene	24.14	252	143918m	5.73	ng	
89) Benzo(a)pyrene	24.99	252	265714	11.05	ng	# 94
91) Benzo(a,h,i)perylene	30.18	276	46616	2.05	ng	# 89

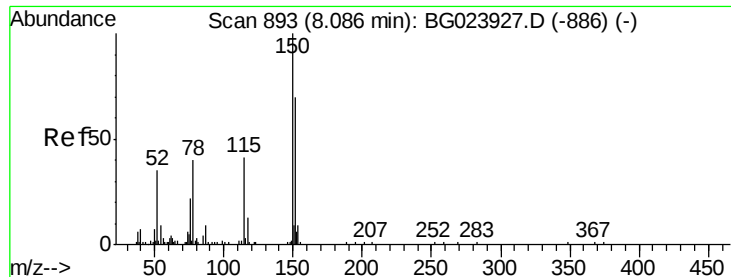
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.05 min Scan# 886

Delta R.T. -0.00 min

Lab File: BG024056.D

Acq: 21 Sep 2016 15:48

Instrument :

BNA_G

ClientSampleId :

YORK-SB2-02

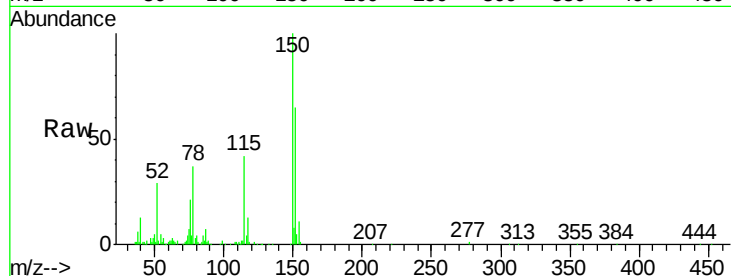
Tot Ion:152 Resp: 79650

Ion Ratio Lower Upper

152 100

150 154.7 144.7 217.1

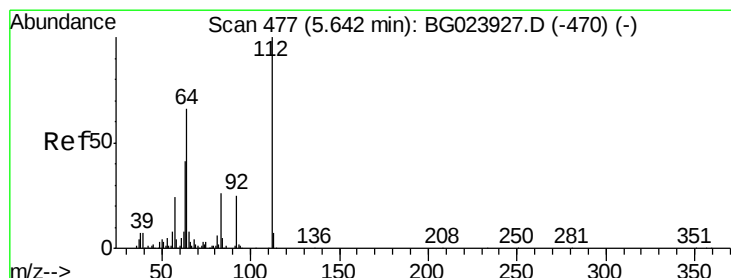
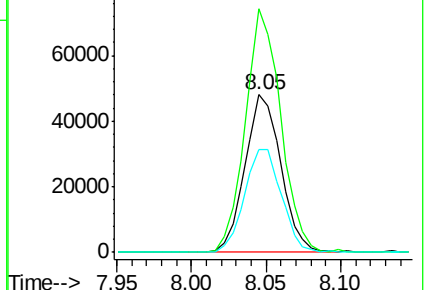
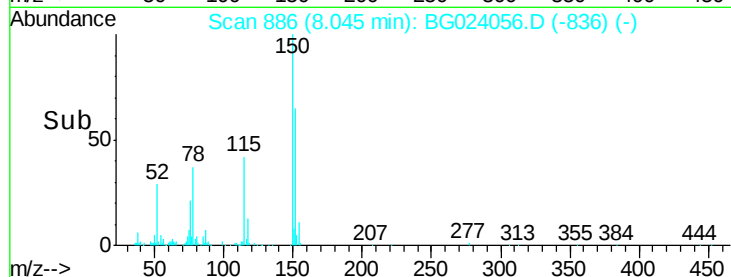
115 65.5 64.0 96.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 78.75 ng

RT: 5.60 min Scan# 470

Delta R.T. -0.00 min

Lab File: BG024056.D

Acq: 21 Sep 2016 15:48

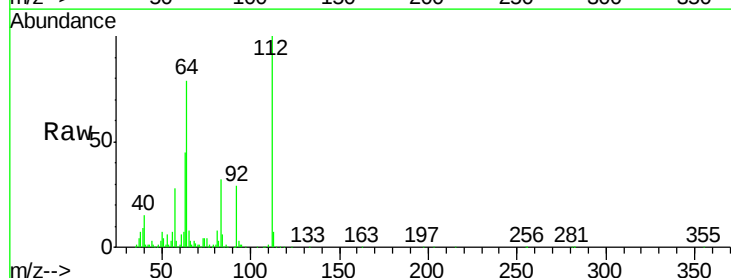
Tgt Ion:112 Resp: 357273

Ion Ratio Lower Upper

112 100

64 78.8 59.0 88.4

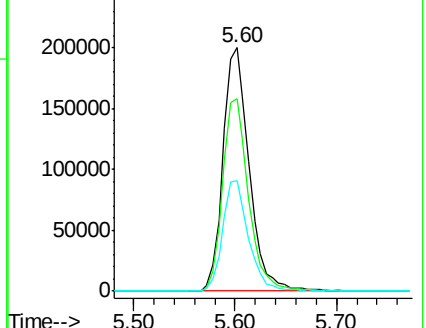
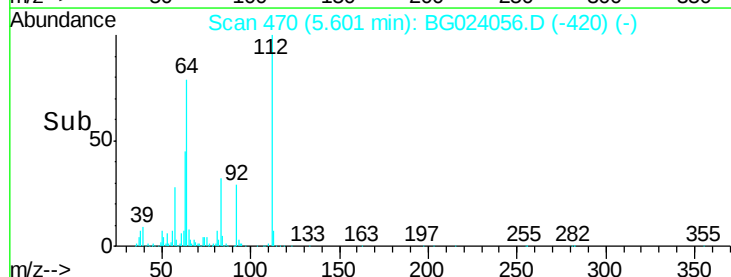
63 45.2 37.8 56.8

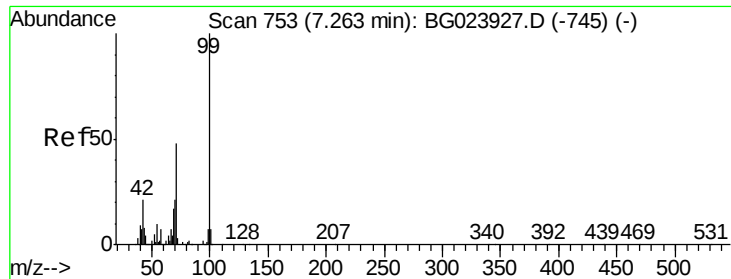


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 79.99 ng

RT: 7.22 min Scan# 746

Delta R.T. 0.00 min

Lab File: BG024056.D

Acq: 21 Sep 2016 15:48

Instrument :

BNA_G

ClientSampleId :

YORK-SB2-02

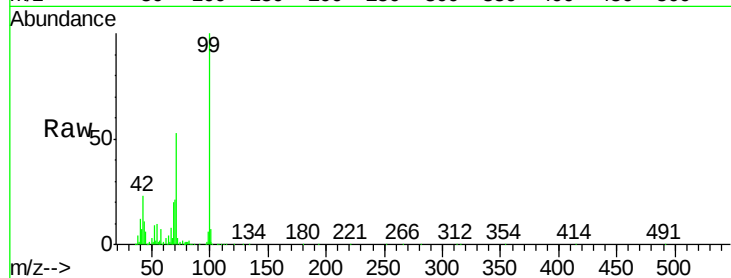
Tot Ion: 99 Resp: 558639

Ion Ratio Lower Upper

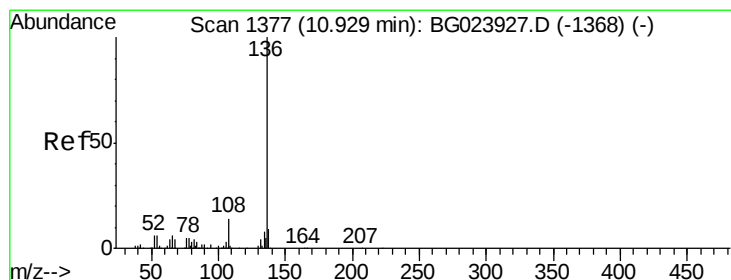
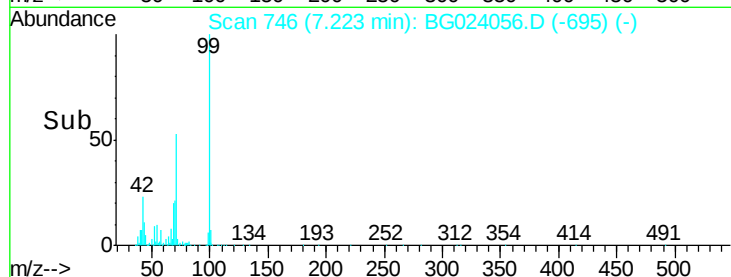
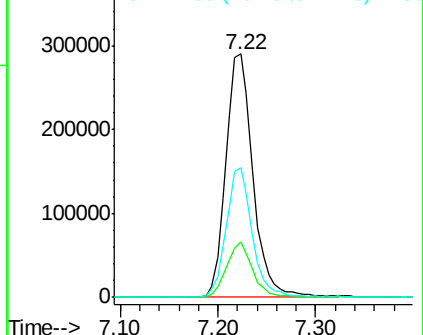
99 100

42 22.6 17.8 26.6

71 53.2 41.5 62.3



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.88 min Scan# 1368

Delta R.T. -0.01 min

Lab File: BG024056.D

Acq: 21 Sep 2016 15:48

Tgt Ion: 136 Resp: 324846

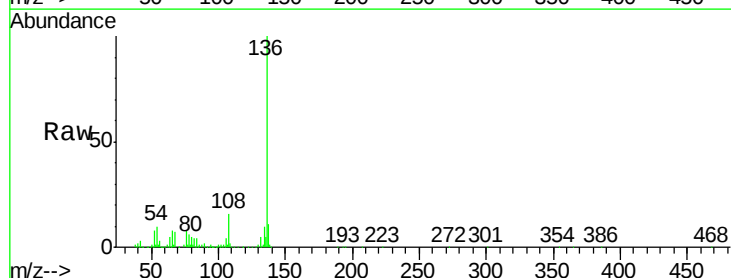
Ion Ratio Lower Upper

136 100

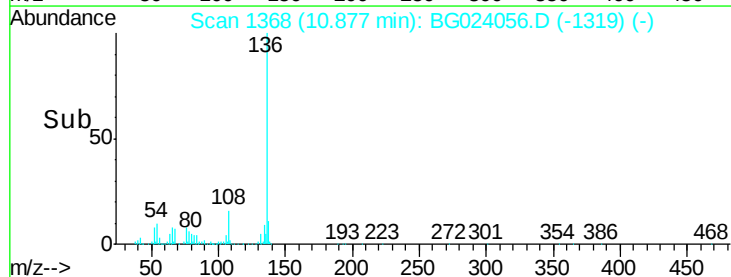
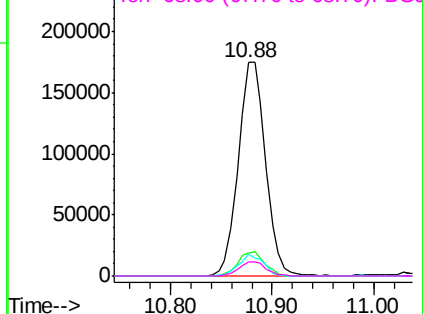
137 10.9 9.6 14.4

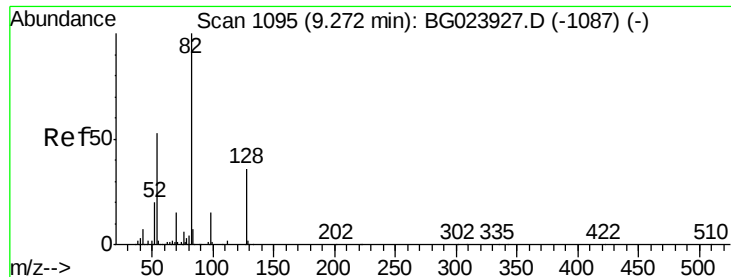
54 10.1 7.3 10.9

68 6.6 5.3 7.9



Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

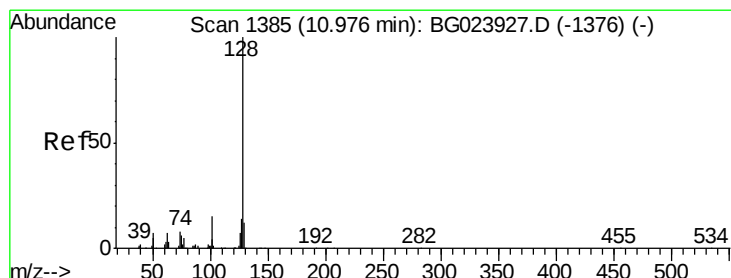
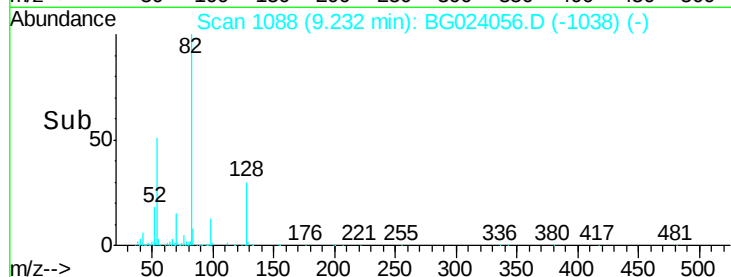
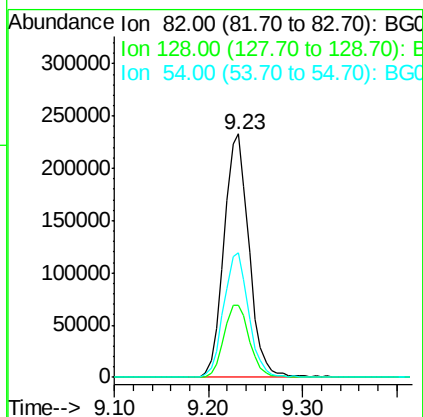
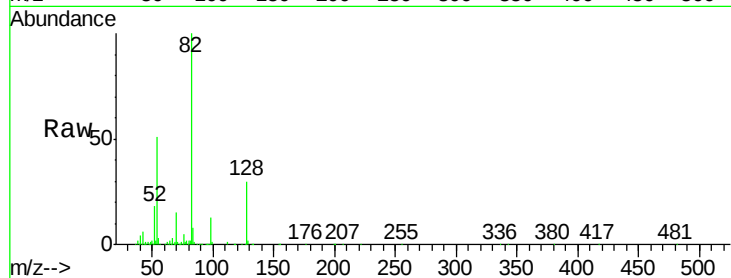




#23
Nitrobenzene-d5
Concen: 59.28 ng
RT: 9.23 min Scan# 1088
Delta R.T. -0.00 min
Lab File: BG024056.D
Acq: 21 Sep 2016 15:48

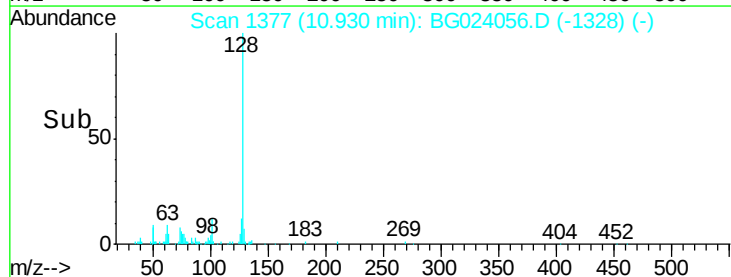
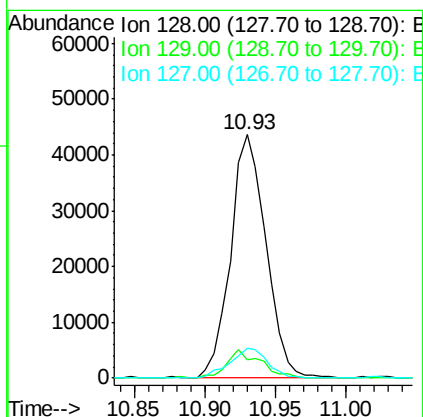
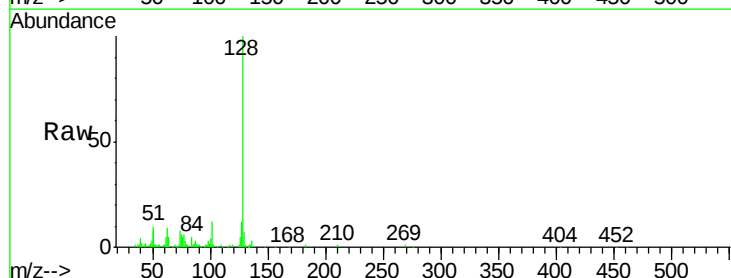
Instrument :
BNA_G
ClientSampleId :
YORK-SB2-02

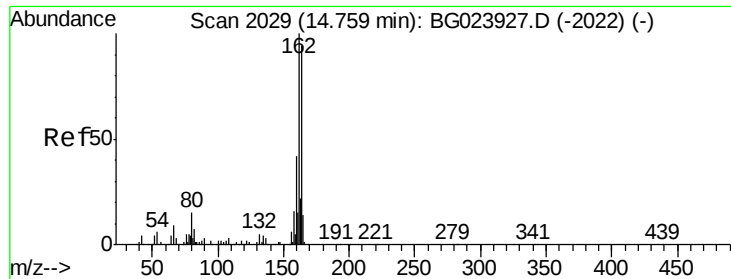
Tot Ion	82	Resp	431378
Ion Ratio	Lower	Upper	
82	100		
128	29.7	24.4	36.6
54	51.2	41.4	62.0



#31
Naphthalene
Concen: 4.56 ng
RT: 10.93 min Scan# 1377
Delta R.T. -0.01 min
Lab File: BG024056.D
Acq: 21 Sep 2016 15:48

Tgt Ion	128	Resp	76317
Ion Ratio	Lower	Upper	
128	100		
129	7.5	9.4	14.0#
127	12.3	11.3	16.9





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.72 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BG024056.D

Acq: 21 Sep 2016 15:48

Instrument :

BNA_G

ClientSampleId :

YORK-SB2-02

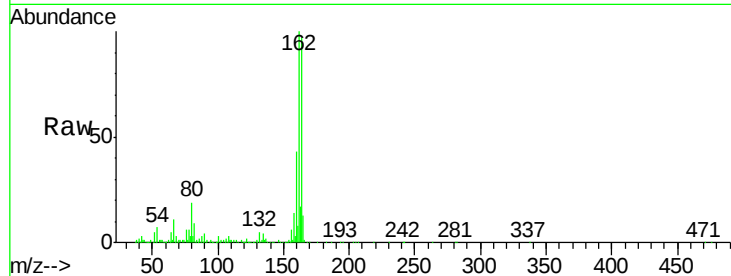
Tot Ion:164 Resp: 231662

Ion Ratio Lower Upper

164 100

162 103.4 87.7 131.5

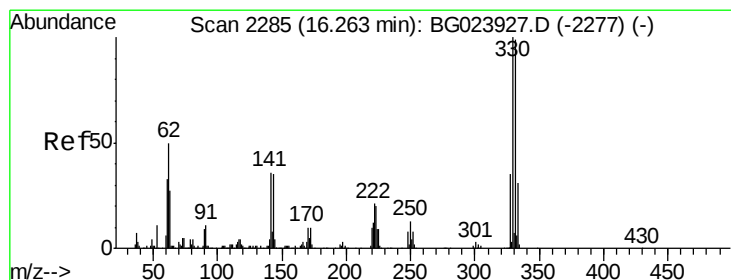
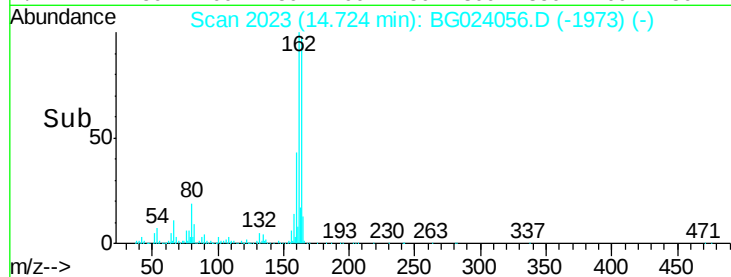
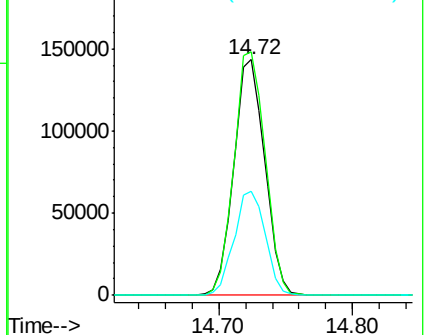
160 44.4 37.2 55.8



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 51.93 ng

RT: 16.23 min Scan# 2279

Delta R.T. -0.00 min

Lab File: BG024056.D

Acq: 21 Sep 2016 15:48

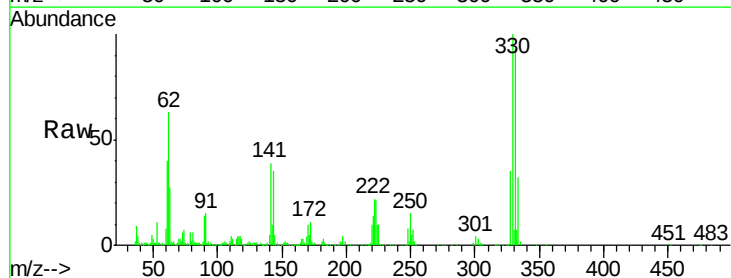
Tgt Ion:330 Resp: 216755

Ion Ratio Lower Upper

330 100

332 95.6 77.4 116.2

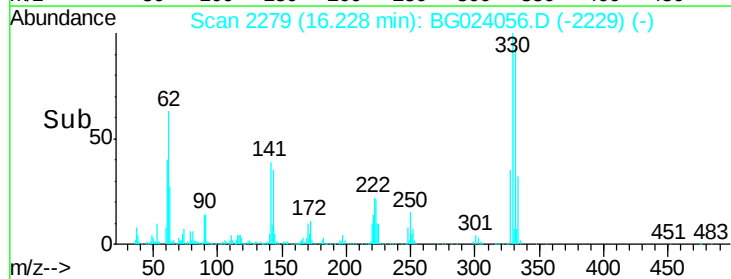
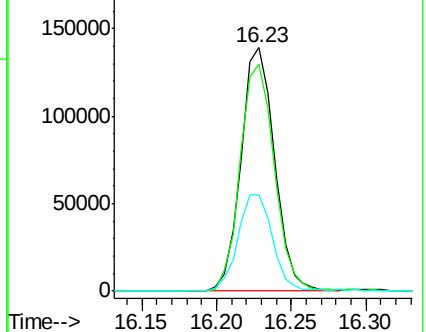
141 40.4 31.7 47.5

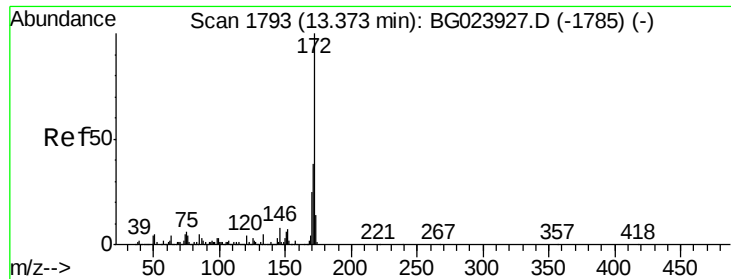


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

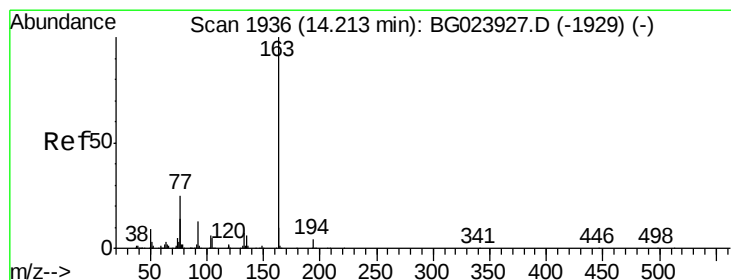
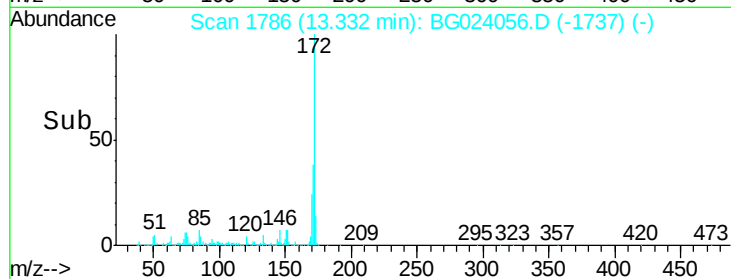
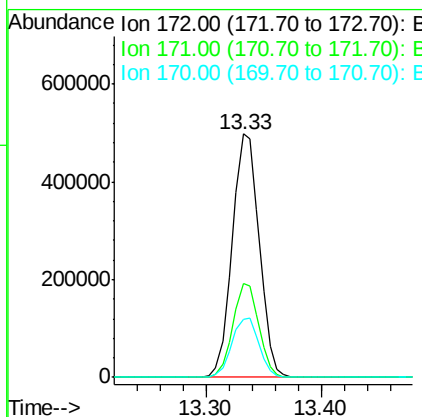
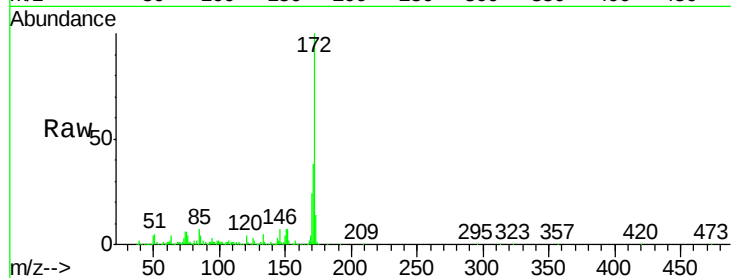




#44
2-Fluorobiphenyl
Concen: 49.75 ng
RT: 13.33 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BG024056.D
Acq: 21 Sep 2016 15:48

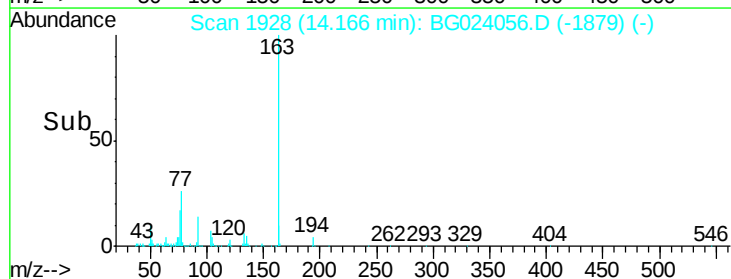
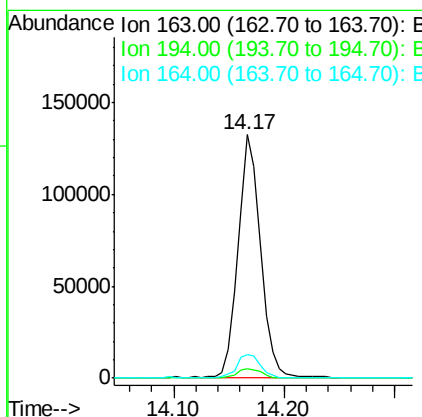
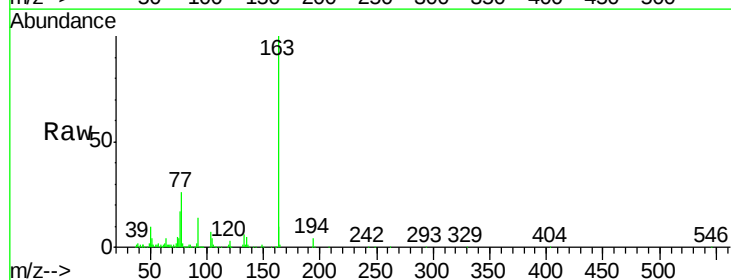
Instrument :
BNA_G
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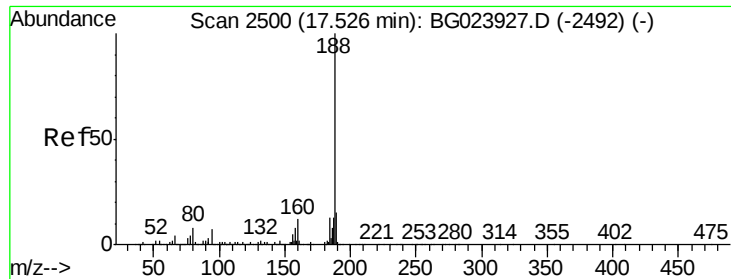
Tot Ion:172 Resp: 803879
Ion Ratio Lower Upper
172 100
171 38.4 31.6 47.4
170 23.8 21.3 31.9



#49
Dimethylphthalate
Concen: 9.63 ng
RT: 14.17 min Scan# 1928
Delta R.T. -0.01 min
Lab File: BG024056.D
Acq: 21 Sep 2016 15:48

Tgt Ion:163 Resp: 191308
Ion Ratio Lower Upper
163 100
194 4.0 3.6 5.4
164 9.7 8.1 12.1





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.49 min Scan# 2493

Delta R.T. -0.01 min

Lab File: BG024056.D

Acq: 21 Sep 2016 15:48

Instrument :

BNA_G

ClientSampleId :

YORK-SB2-02

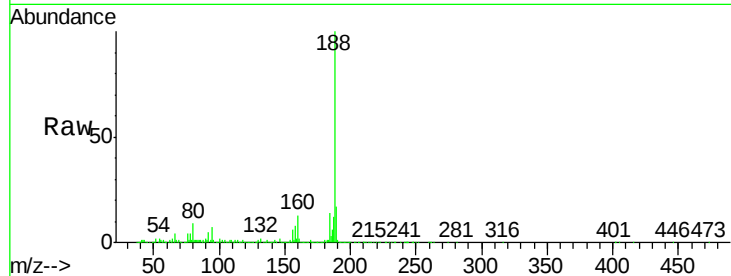
Tot Ion:188 Resp: 433389

Ion Ratio Lower Upper

188 100

94 6.9 5.2 7.8

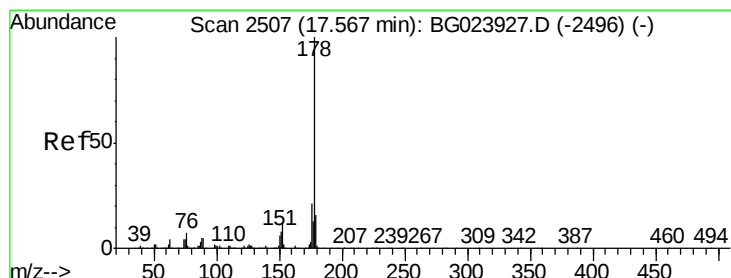
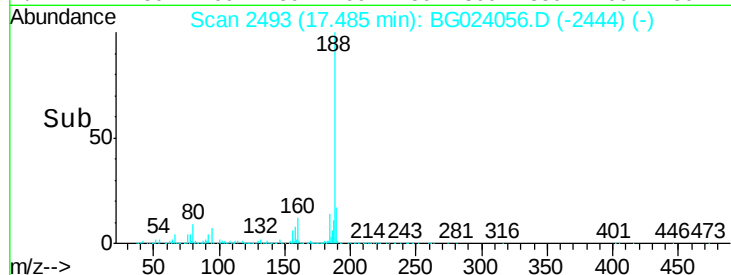
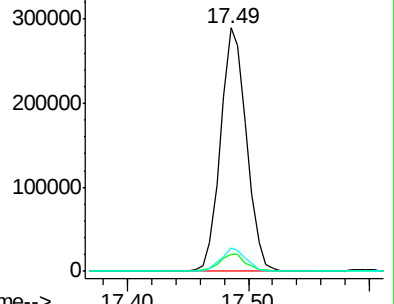
80 9.4 7.2 10.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#70

Phenanthrene

Concen: 14.73 ng

RT: 17.53 min Scan# 2501

Delta R.T. -0.00 min

Lab File: BG024056.D

Acq: 21 Sep 2016 15:48

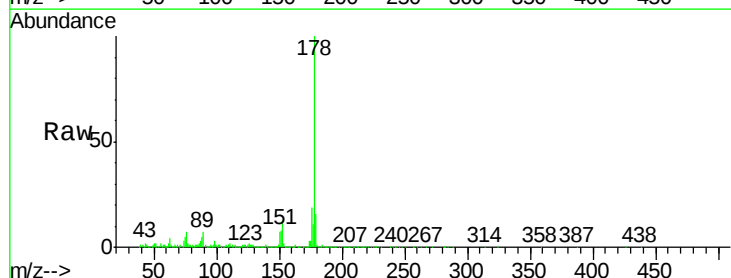
Tgt Ion:178 Resp: 332062

Ion Ratio Lower Upper

178 100

176 19.2 16.8 25.2

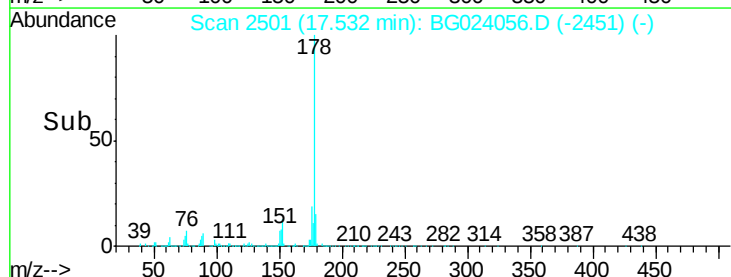
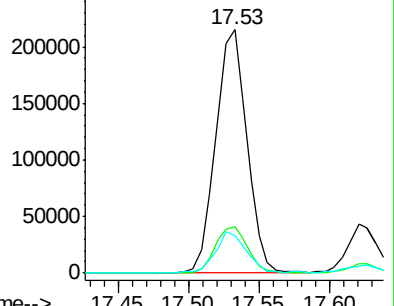
179 15.6 14.3 21.5

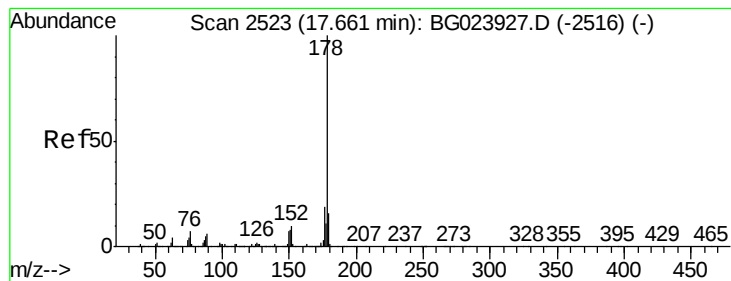


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 2.77 ng

RT: 17.62 min Scan# 2516

Delta R.T. -0.01 min

Lab File: BG024056.D

Acq: 21 Sep 2016 15:48

Instrument :

BNA_G

ClientSampleId :

YORK-SB2-02

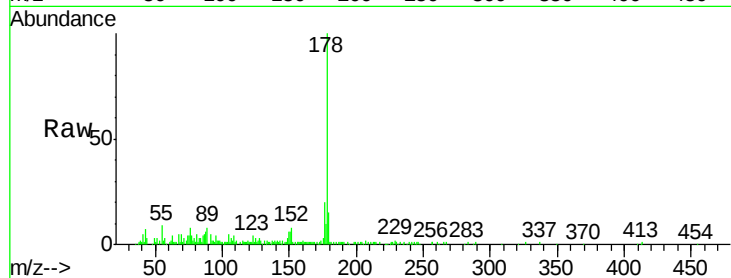
Tot Ion:178 Resp: 63746

Ion Ratio Lower Upper

178 100

176 19.8 17.3 25.9

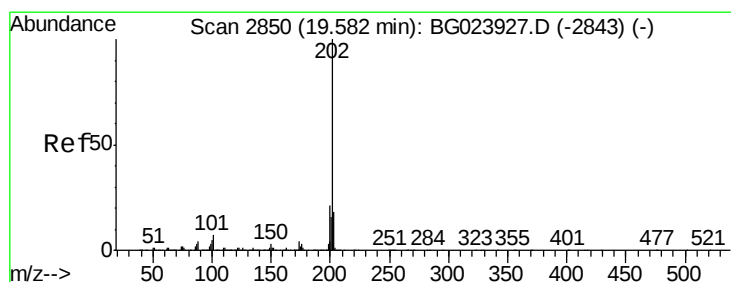
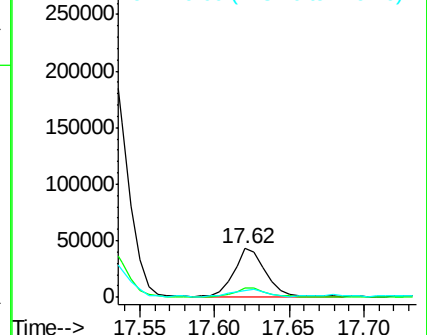
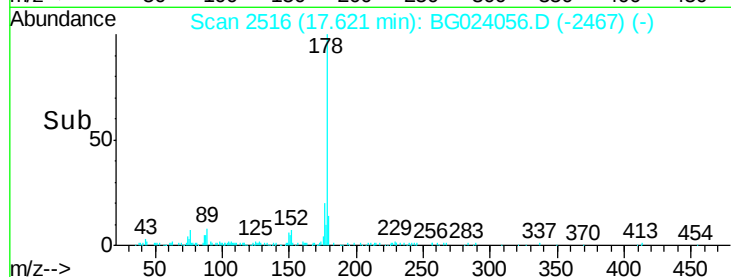
179 15.0 14.0 21.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 23.46 ng

RT: 19.55 min Scan# 2844

Delta R.T. -0.00 min

Lab File: BG024056.D

Acq: 21 Sep 2016 15:48

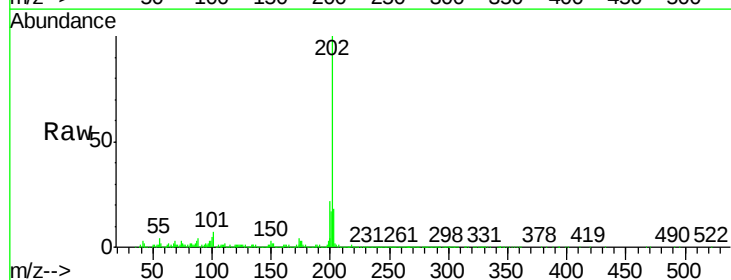
Tgt Ion:202 Resp: 636739

Ion Ratio Lower Upper

202 100

101 6.9 0.0 27.4

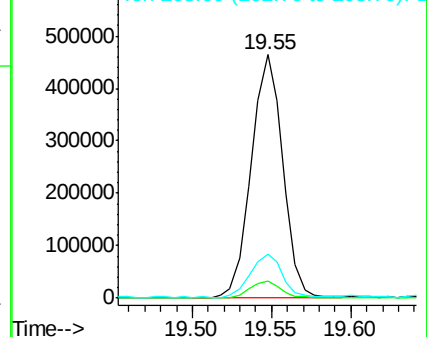
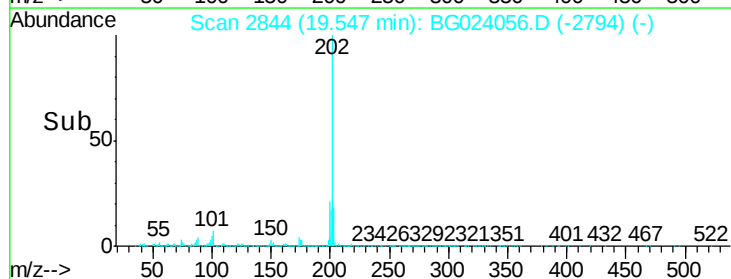
203 18.3 1.7 41.7

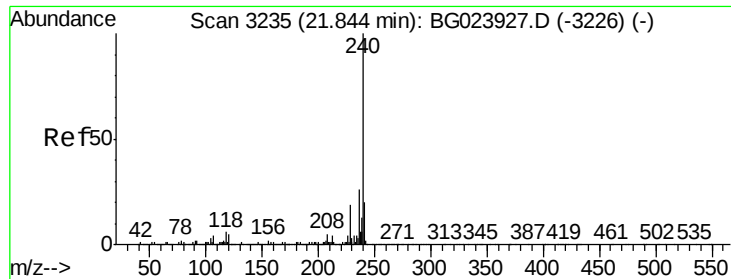


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.80 min Scan# 3227

Delta R.T. -0.01 min

Lab File: BG024056.D

Acq: 21 Sep 2016 15:48

Instrument :

BNA_G

ClientSampleId :

YORK-SB2-02

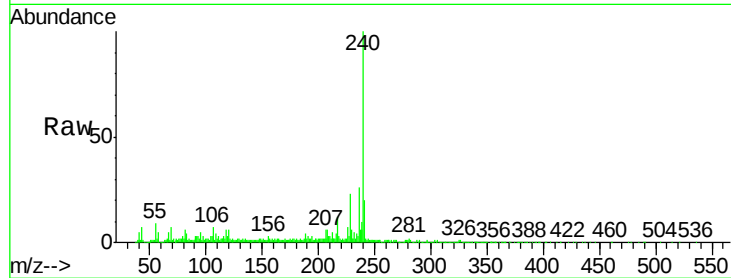
Tot Ion:240 Resp: 458850

Ion Ratio Lower Upper

240 100

120 5.7 4.1 6.1

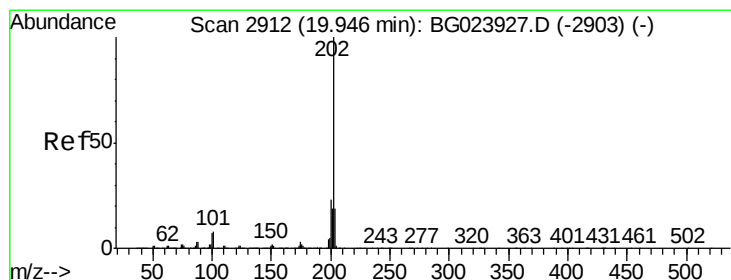
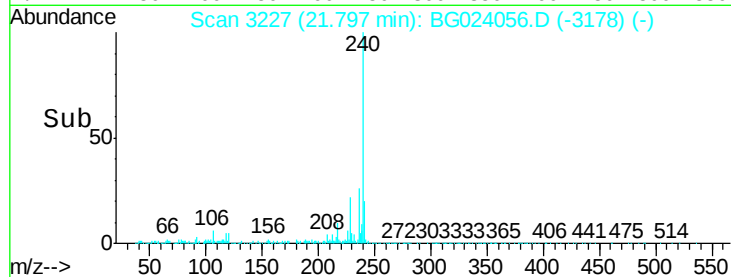
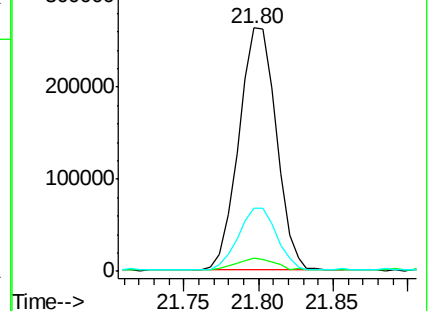
236 26.1 21.1 31.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 18.60 ng

RT: 19.91 min Scan# 2906

Delta R.T. -0.00 min

Lab File: BG024056.D

Acq: 21 Sep 2016 15:48

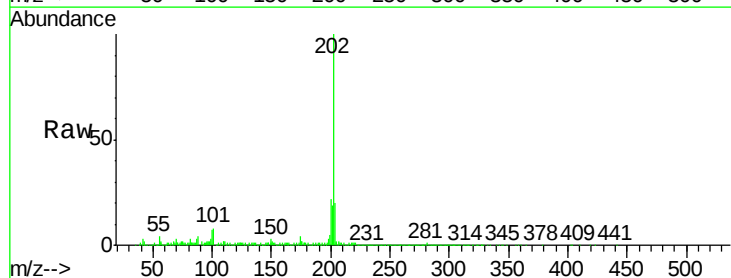
Tgt Ion:202 Resp: 524905

Ion Ratio Lower Upper

202 100

200 22.4 21.2 31.8

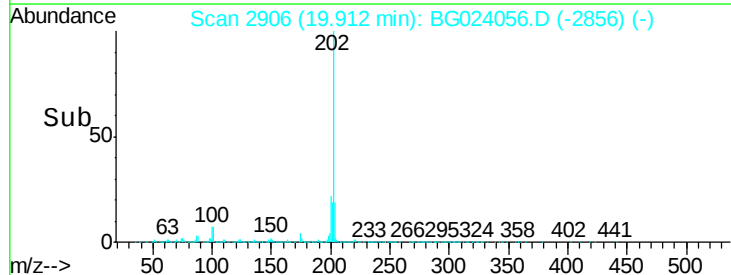
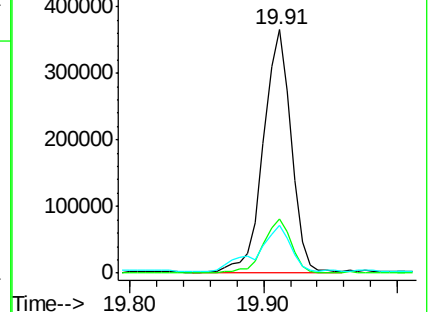
203 19.5 16.8 25.2

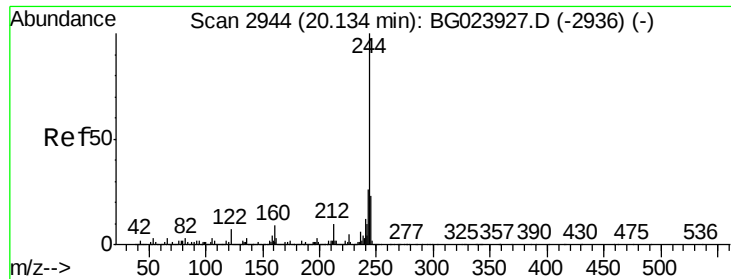


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 49.65 ng

RT: 20.10 min Scan# 2938

Delta R.T. -0.00 min

Lab File: BG024056.D

Acq: 21 Sep 2016 15:48

Instrument :

BNA_G

ClientSampleId :

YORK-SB2-02

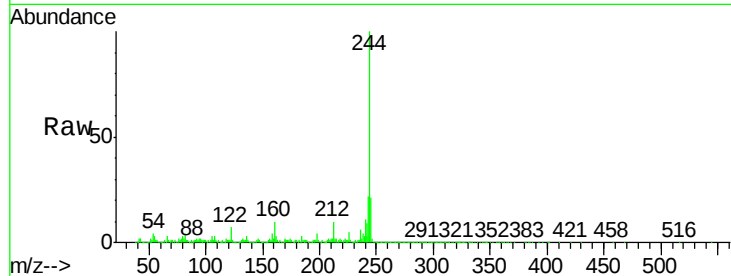
Tot Ion:244 Resp: 1000275

Ion Ratio Lower Upper

244 100

212 9.8 10.8 16.2#

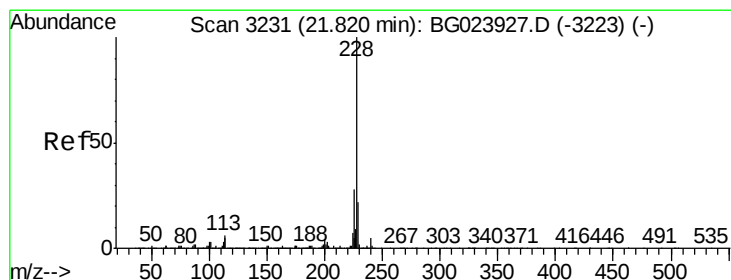
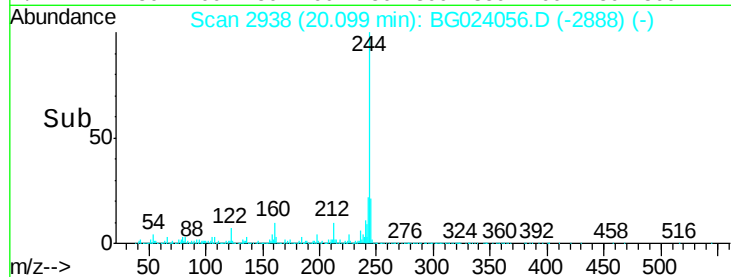
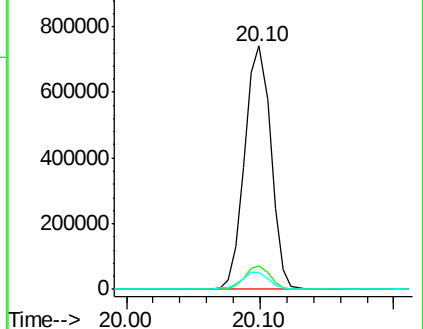
122 7.2 8.0 12.0#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 13.96 ng

RT: 21.78 min Scan# 3224

Delta R.T. -0.00 min

Lab File: BG024056.D

Acq: 21 Sep 2016 15:48

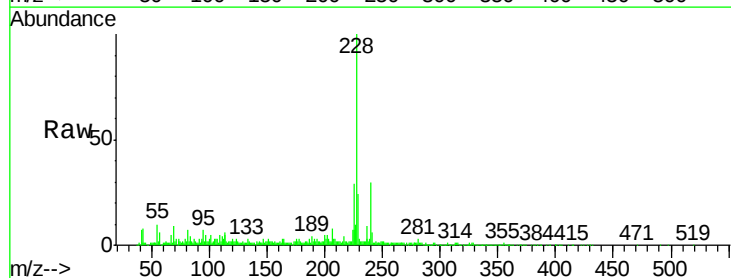
Tgt Ion:228 Resp: 358619

Ion Ratio Lower Upper

228 100

226 29.2 25.3 37.9

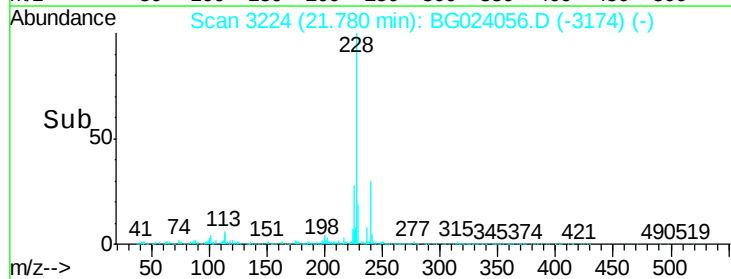
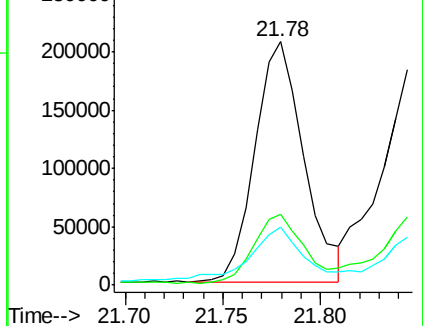
229 23.7 19.9 29.9

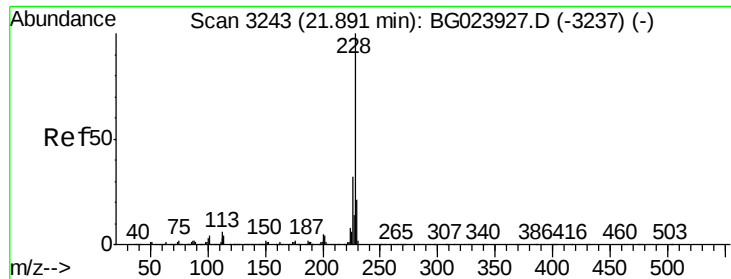


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 15.22 ng

RT: 21.85 min Scan# 3236

Delta R.T. -0.00 min

Lab File: BG024056.D

Acq: 21 Sep 2016 15:48

Instrument :

BNA_G

ClientSampled :

YORK-SB2-02

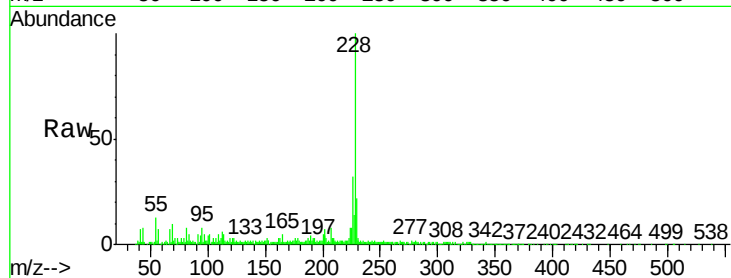
Tot Ion:228 Resp: 372021

Ion Ratio Lower Upper

228 100

226 32.4 26.7 40.1

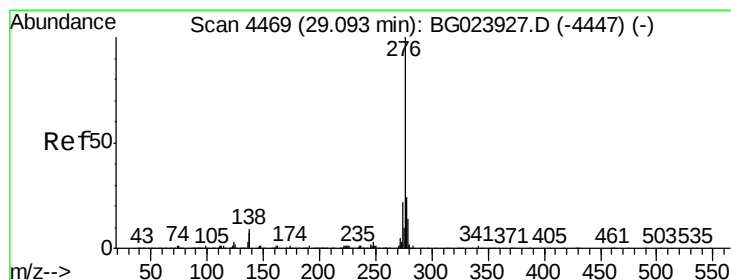
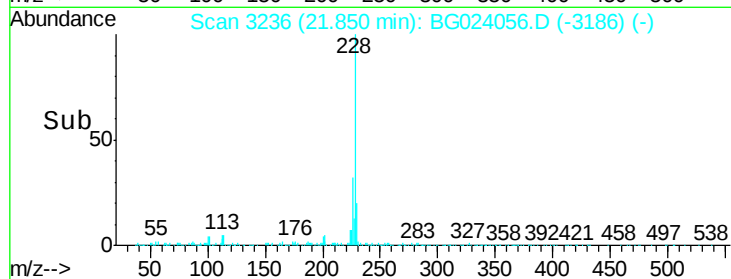
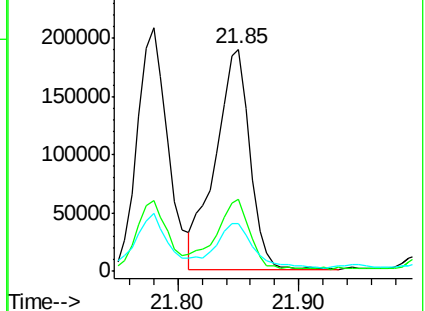
229 21.5 17.4 26.2



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.88 ng

RT: 28.99 min Scan# 4452

Delta R.T. 0.03 min

Lab File: BG024056.D

Acq: 21 Sep 2016 15:48

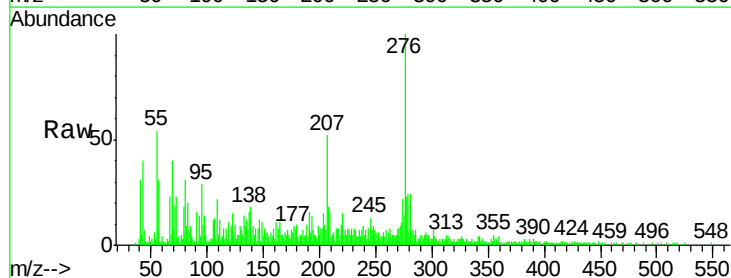
Tgt Ion:276 Resp: 132047

Ion Ratio Lower Upper

276 100

138 0.8 0.0 0.0#

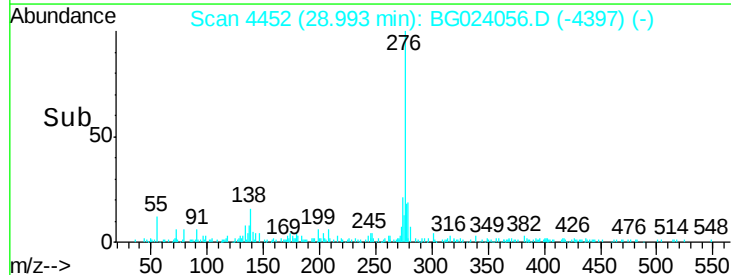
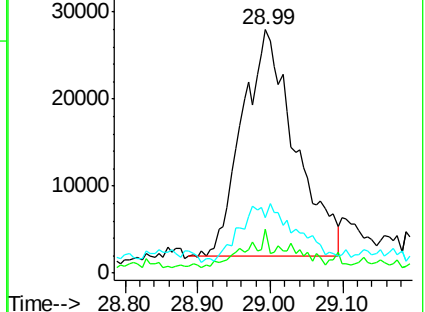
277 0.0 0.0 0.0

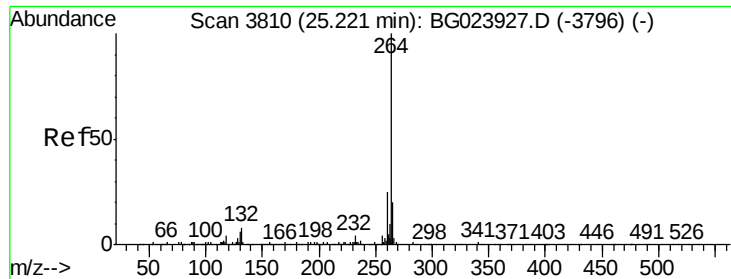


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

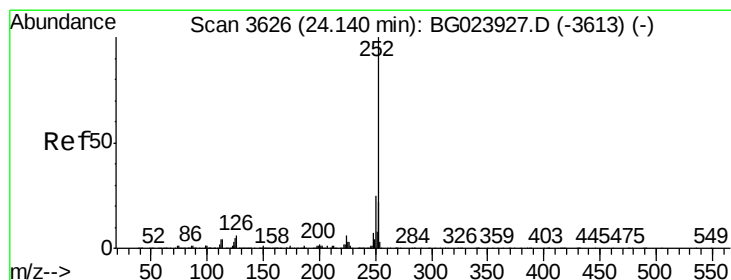
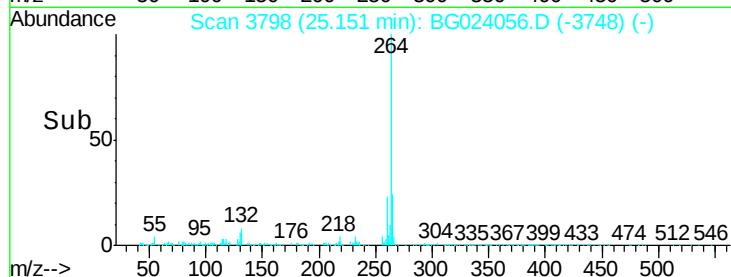
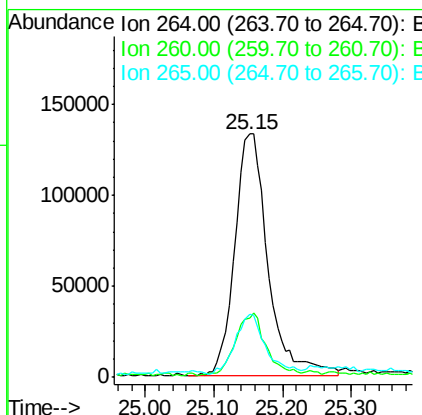
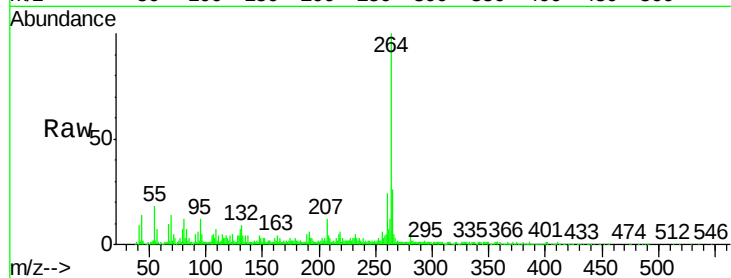




#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.15 min Scan# 3798
Delta R.T. -0.00 min
Lab File: BG024056.D
Acq: 21 Sep 2016 15:48

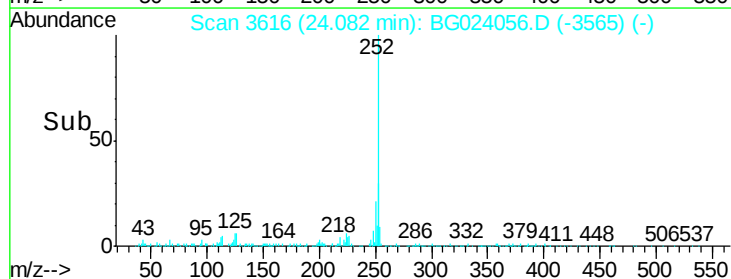
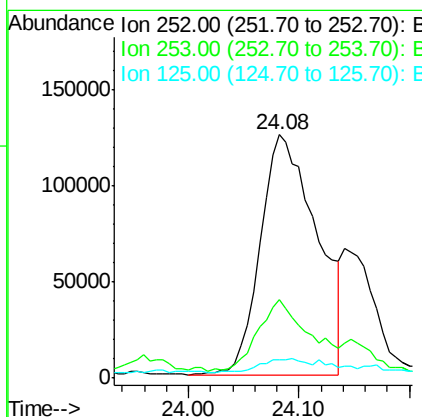
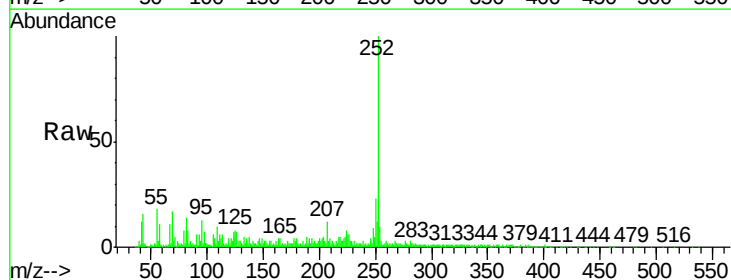
Instrument :
BNA_G
ClientSampleId :
YORK-SB2-02

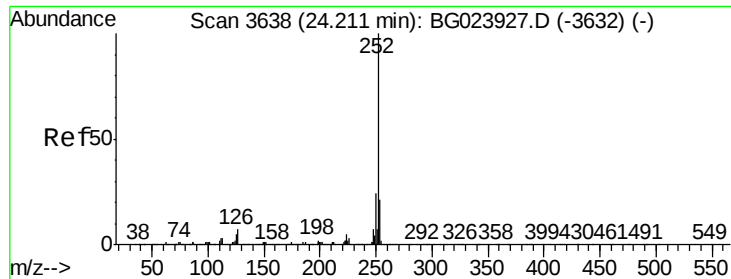
Tot	Ion:264	Resp:	445809
Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.4	27.6
265	26.0	18.9	28.3



#87
Benzo(b)fluoranthene
Concen: 17.55 ng
RT: 24.08 min Scan# 3616
Delta R.T. 0.00 min
Lab File: BG024056.D
Acq: 21 Sep 2016 15:48

Tgt	Ion:252	Resp:	444487
Ion	Ratio	Lower	Upper
252	100		
253	32.3	18.9	28.3#
125	7.7	3.9	5.9#





#88

Benzo(k)fluoranthene

Concen: 5.73 ng/mL

RT: 24.14 min Scan# 3626

Delta R.T. -0.01 min

Lab File: BG024056.D

Acq: 21 Sep 2016 15:48

Instrument :

BNA_G

ClientSampleId :

YORK-SB2-02

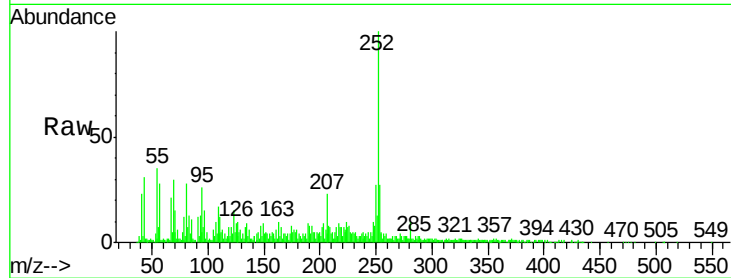
Tot Ion:252 Resp: 143918

Ion Ratio Lower Upper

252 100

253 26.6 18.8 28.2

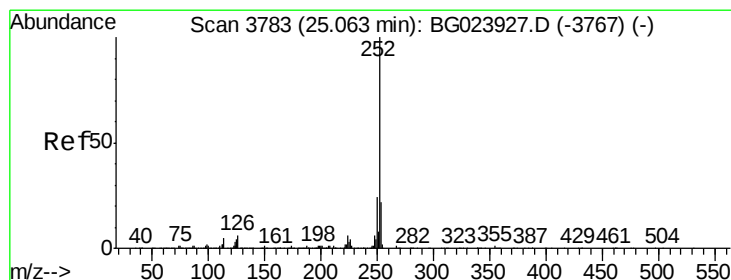
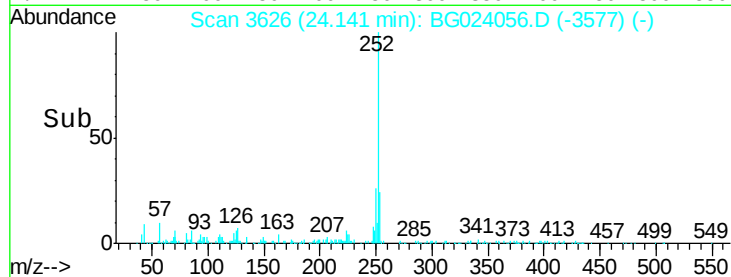
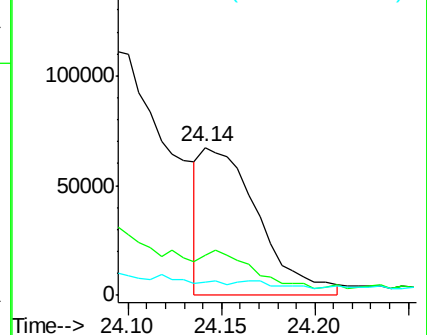
125 9.3 3.2 4.8#



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



#89

Benzo(a)pyrene

Concen: 11.05 ng/mL

RT: 24.99 min Scan# 3771

Delta R.T. 0.00 min

Lab File: BG024056.D

Acq: 21 Sep 2016 15:48

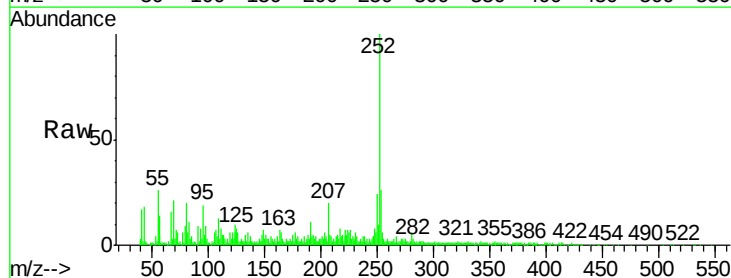
Tgt Ion:252 Resp: 265714

Ion Ratio Lower Upper

252 100

253 25.8 18.7 28.1

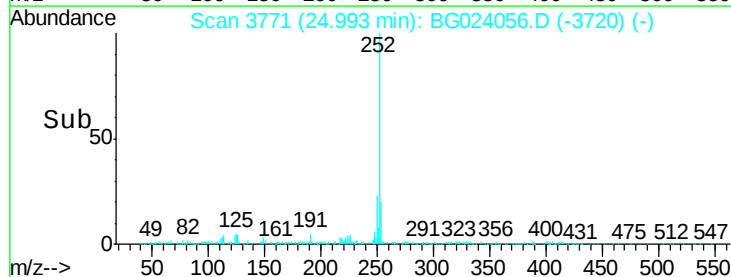
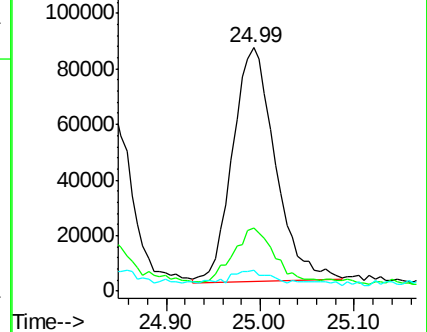
125 8.5 3.9 5.9#

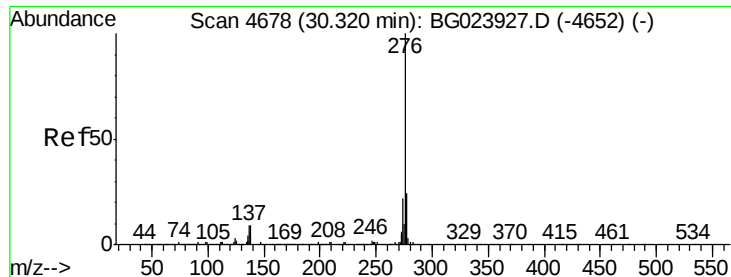


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 2.05 ng
 RT: 30.18 min Scan# 4654
 Delta R.T. 0.01 min
 Lab File: BG024056.D
 Acq: 21 Sep 2016 15:48

Instrument :
 BNA_G
 ClientSampleId :
 YORK-SB2-02

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	27.2	18.6	27.8	
138	15.5	6.8	10.2	

