

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092116\
 Data File : BG024059.D
 Acq On : 21 Sep 2016 17:43
 Operator : UM/SJ
 Sample : H4820-24
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 YORK-SB3-04

Quant Time: Sep 21 18:46:43 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

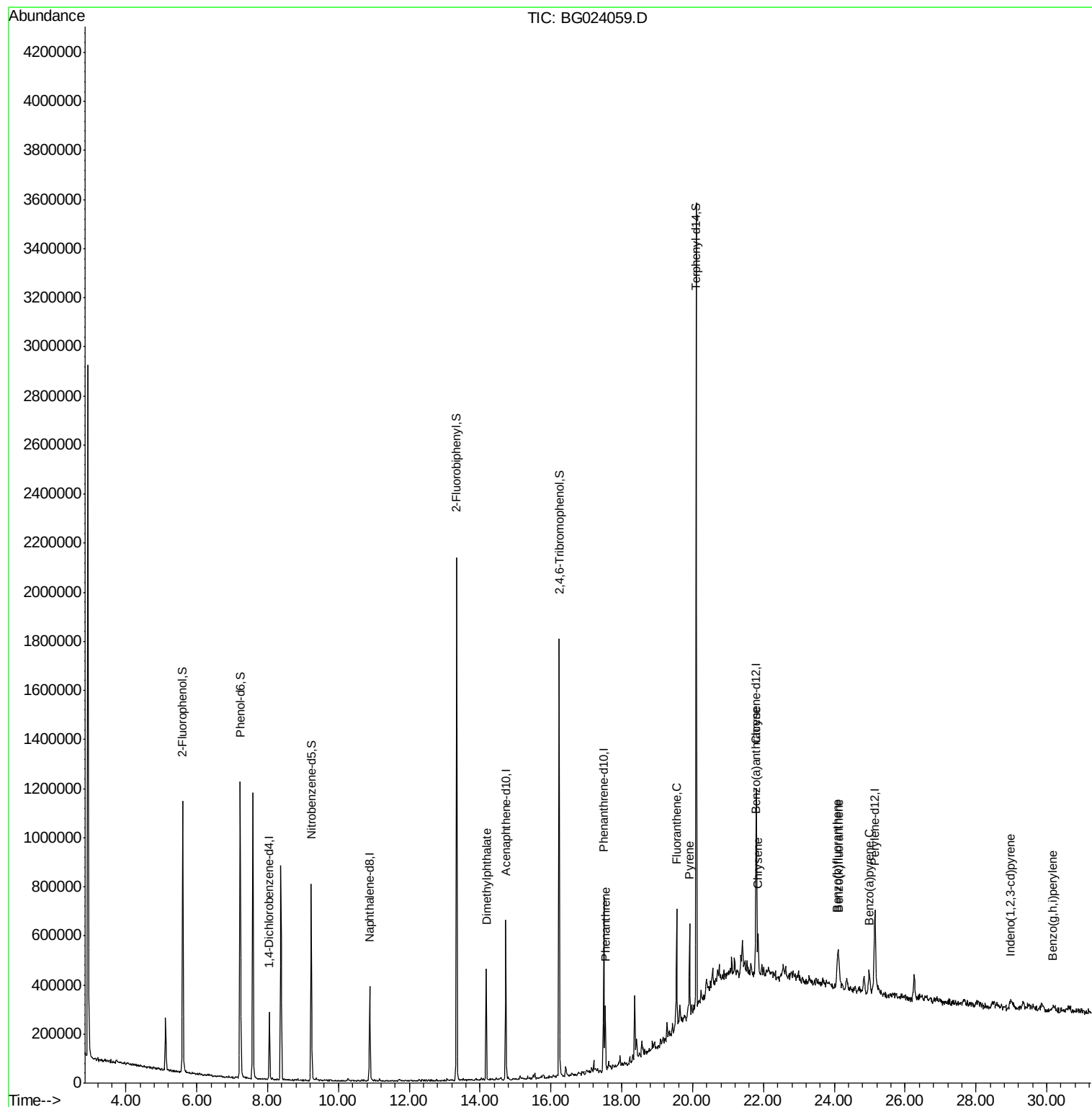
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	65306	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	293114	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	221785	20.00	ng	0.00
63) Phenanthrene-d10	17.49	188	414344	20.00	ng	0.00
75) Chrysene-d12	21.80	240	437667	20.00	ng	0.00
86) Perylene-d12	25.15	264	428398	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	417380	112.21	ng	0.00
7) Phenol-d6	7.22	99	659027	115.10	ng	0.00
23) Nitrobenzene-d5	9.23	82	507489	77.29	ng	0.00
41) 2,4,6-Tribromophenol	16.23	330	320800	80.28	ng	0.00
44) 2-Fluorobiphenyl	13.34	172	989451	63.96	ng	0.00
78) Terphenyl-d14	20.10	244	1300247	67.66	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.17	163	272383	14.32	ng	99
70) Phenanthrene	17.53	178	147038	6.82	ng	97
74) Fluoranthene	19.55	202	270850	10.44	ng	92
77) Pyrene	19.91	202	235932	8.77	ng	92
80) Benzo(a)anthracene	21.78	228	142920	5.83	ng	95
82) Chrysene	21.84	228	129520	5.55	ng	92
85) Indeno(1,2,3-cd)pyrene	28.98	276	55850	2.16	ng	# 100
87) Benzo(b)fluoranthene	24.08	252	166642	6.85	ng	# 97
88) Benzo(k)fluoranthene	24.13	252	62881m	2.61	ng	
89) Benzo(a)pyrene	24.98	252	114757	4.97	ng	# 95
91) Benzo(g,h,i)perylene	30.19	276	52431m	2.40	ng	

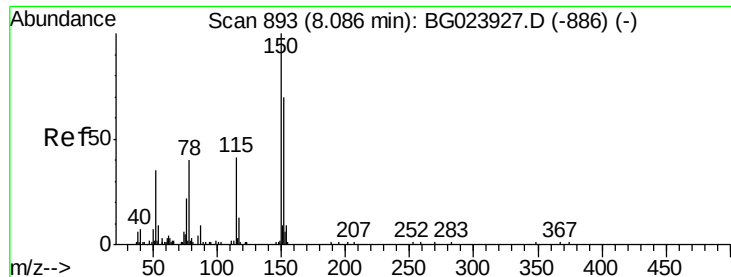
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092116\
Data File : BG024059.D
Acq On : 21 Sep 2016 17:43
Operator : UM/SJ
Sample : H4820-24
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
YORK-SB3-04

Quant Time: Sep 21 18:46:43 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



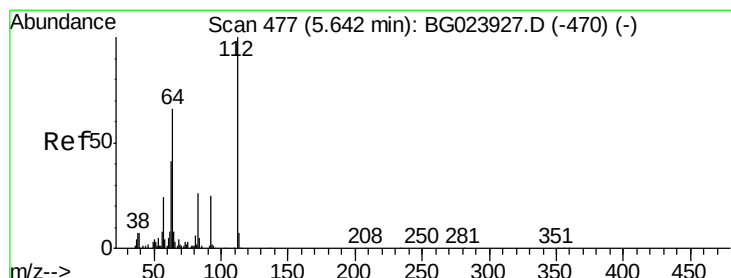
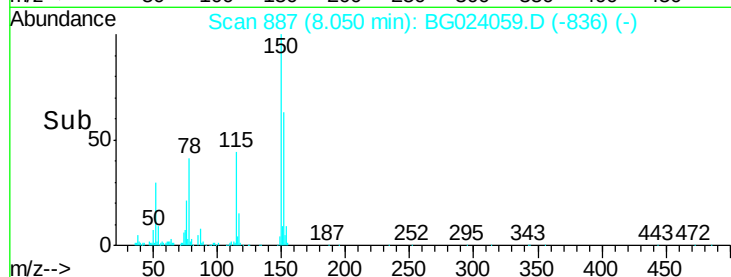
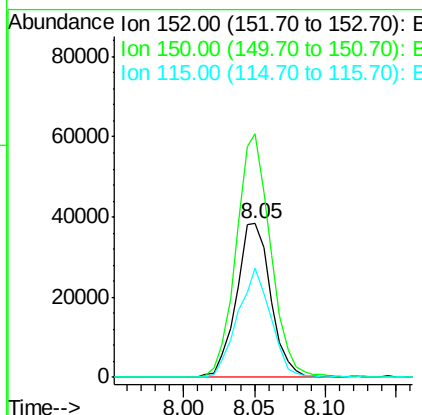
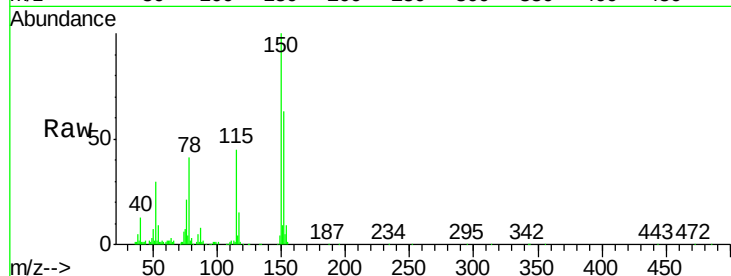


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.05 min Scan# 887
Delta R.T. 0.00 min
Lab File: BG024059.D
Acq: 21 Sep 2016 17:43

Instrument :
BNA_G
ClientSampleId :
YORK-SB3-04

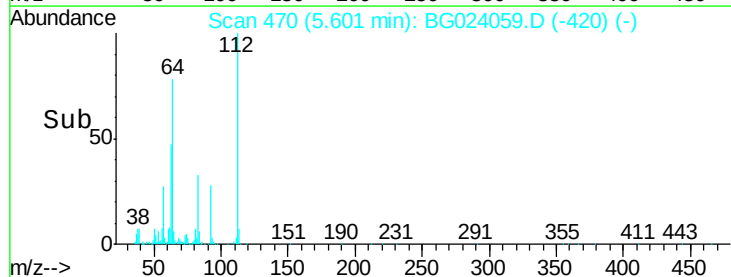
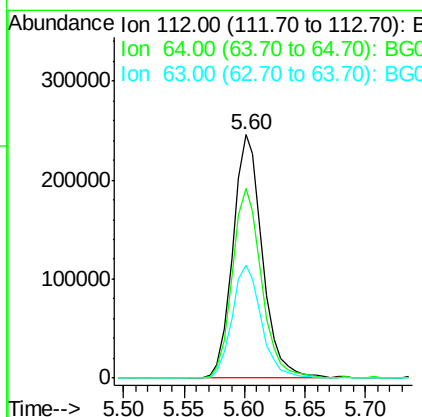
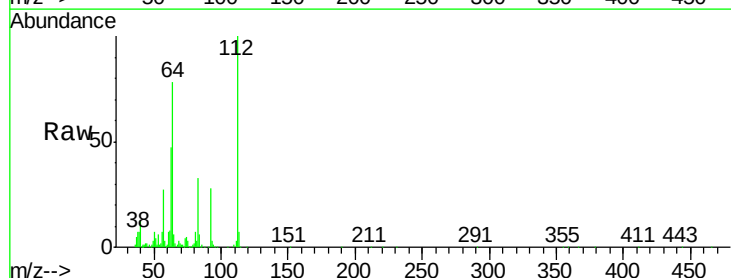
Tot Ion:152 Resp: 65306
Ion Ratio Lower Upper
152 100
150 158.3 144.7 217.1
115 70.9 64.0 96.0

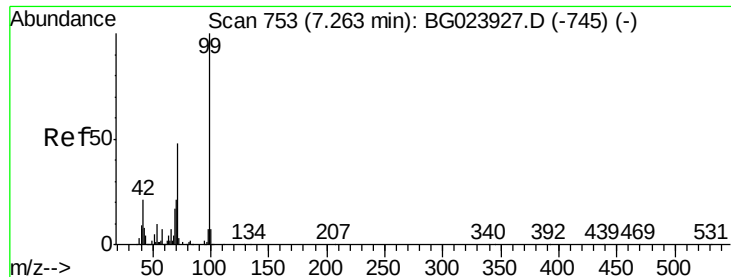


#5

2-Fluorophenol
Concen: 112.21 ng
RT: 5.60 min Scan# 470
Delta R.T. -0.00 min
Lab File: BG024059.D
Acq: 21 Sep 2016 17:43

Tgt Ion:112 Resp: 417380
Ion Ratio Lower Upper
112 100
64 78.1 59.0 88.4
63 46.6 37.8 56.8





#7

Phenol-d6

Concen: 115.10 ng

RT: 7.22 min Scan# 746

Delta R.T. 0.00 min

Lab File: BG024059.D

Acq: 21 Sep 2016 17:43

Instrument :

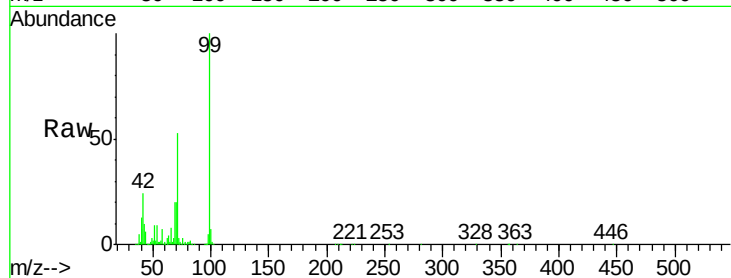
BNA_G

ClientSampleId :

YORK-SB3-04

Tot Ion: 99 Resp: 659027

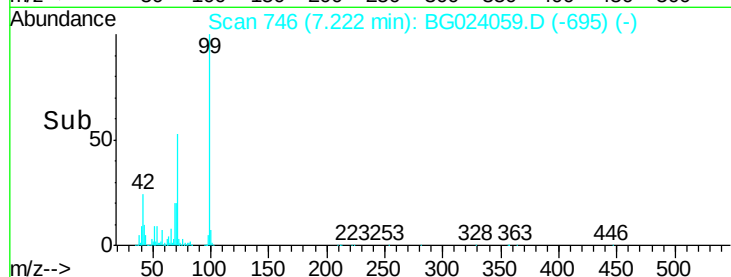
Ion	Ratio	Lower	Upper
99	100		
42	23.5	17.8	26.6
71	52.7	41.5	62.3



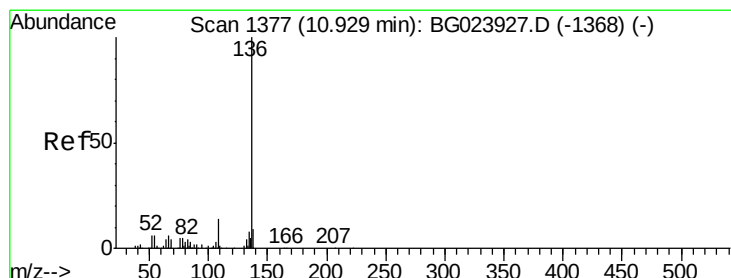
Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



Time--> 7.10 7.20 7.30



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.88 min Scan# 1369

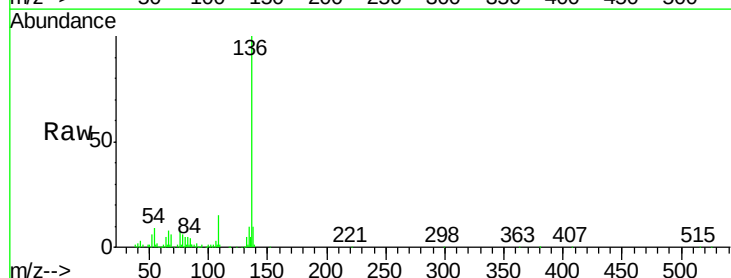
Delta R.T. -0.00 min

Lab File: BG024059.D

Acq: 21 Sep 2016 17:43

Tgt Ion: 136 Resp: 293114

Ion	Ratio	Lower	Upper
136	100		
137	9.7	9.6	14.4
54	9.4	7.3	10.9
68	6.1	5.3	7.9

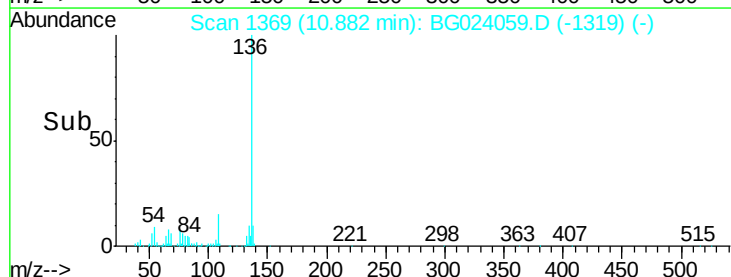


Abundance Ion 136.00 (135.70 to 136.70): BGC

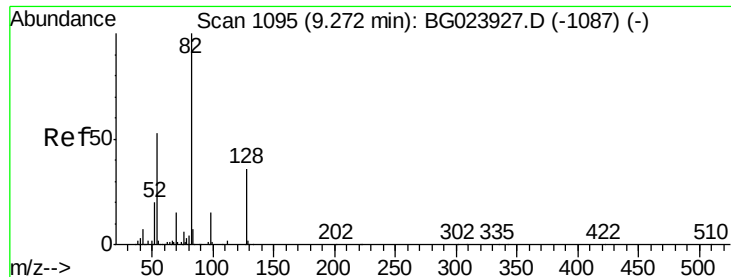
Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



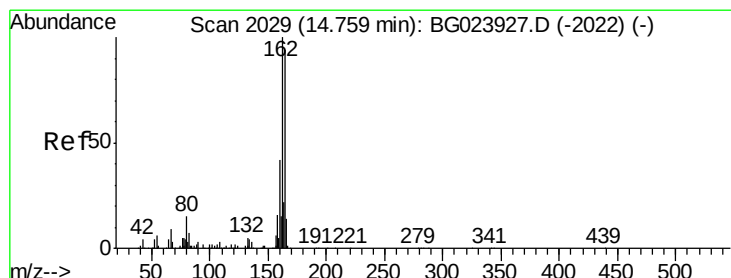
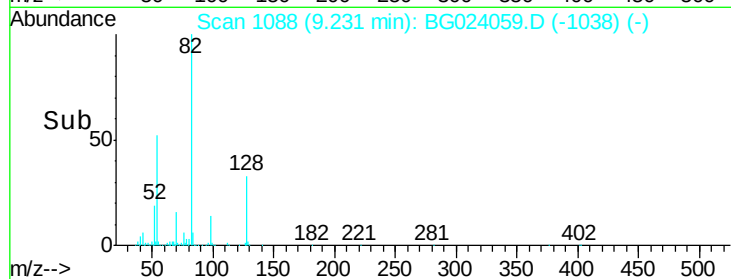
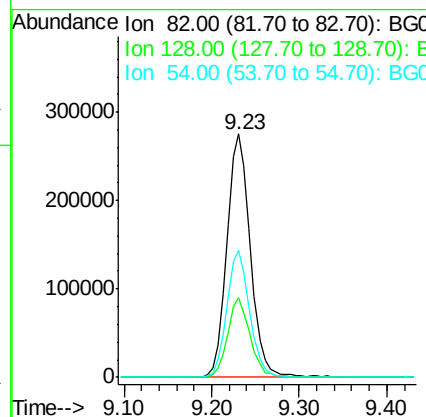
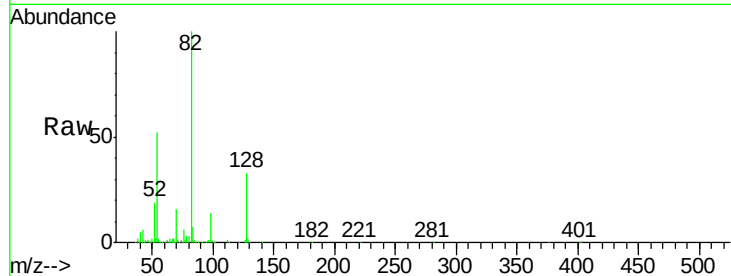
Time--> 10.80 10.90 11.00



#23
Nitrobenzene-d5
Concen: 77.29 ng
RT: 9.23 min Scan# 1088
Delta R.T. -0.00 min
Lab File: BG024059.D
Acq: 21 Sep 2016 17:43

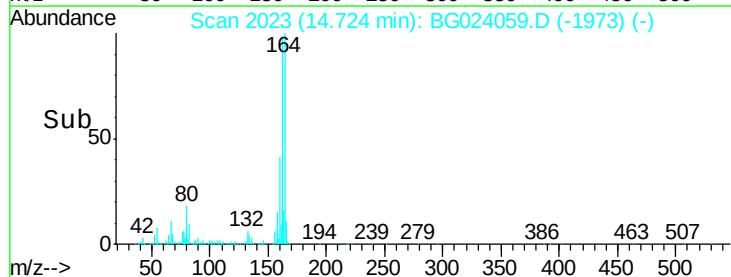
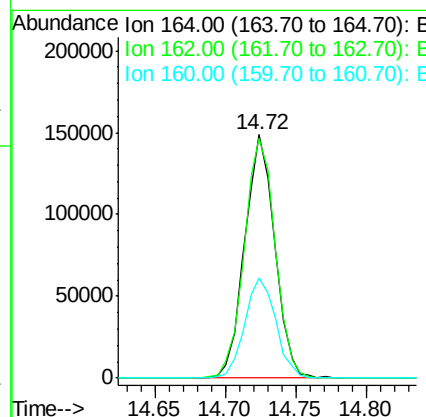
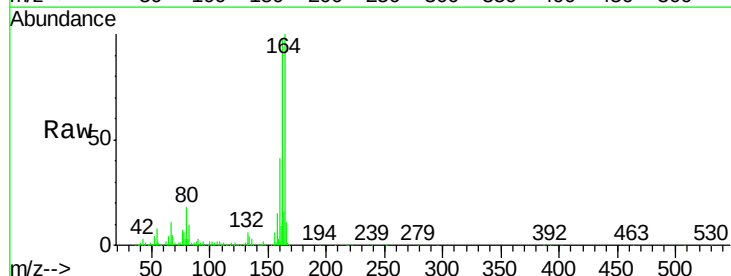
Instrument :
BNA_G
ClientSampleId :
YORK-SB3-04

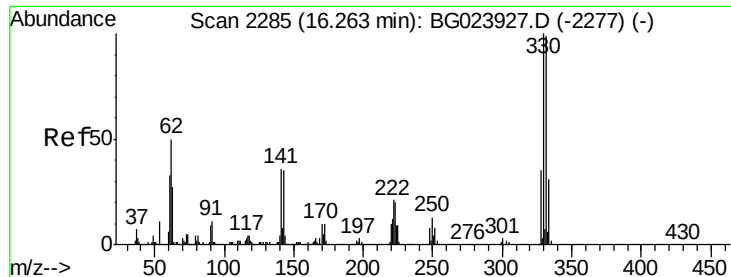
Tot Ion	82	Resp	507489
Ion Ratio	Lower	Upper	
82	100		
128	32.7	24.4	36.6
54	52.3	41.4	62.0



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.72 min Scan# 2023
Delta R.T. -0.00 min
Lab File: BG024059.D
Acq: 21 Sep 2016 17:43

Tgt Ion	164	Resp	221785
Ion Ratio	Lower	Upper	
164	100		
162	98.4	87.7	131.5
160	41.1	37.2	55.8

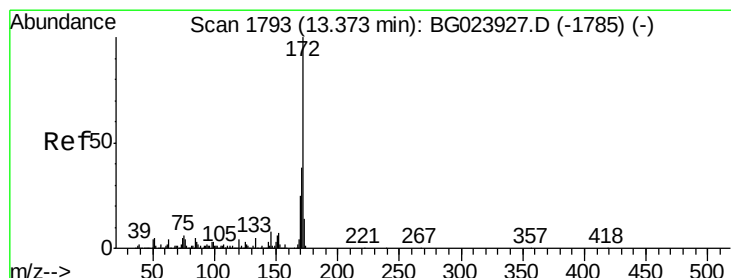
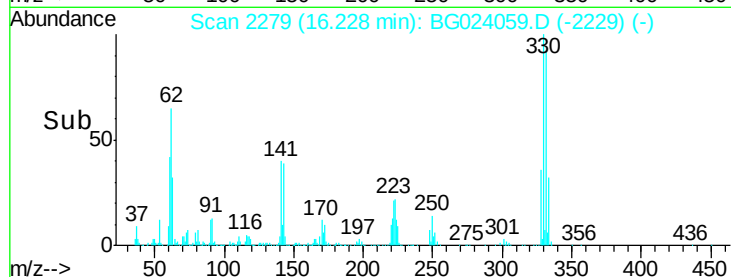
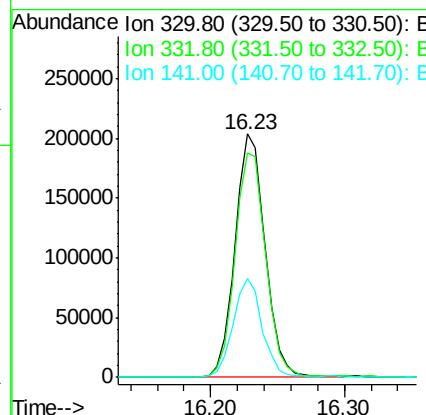
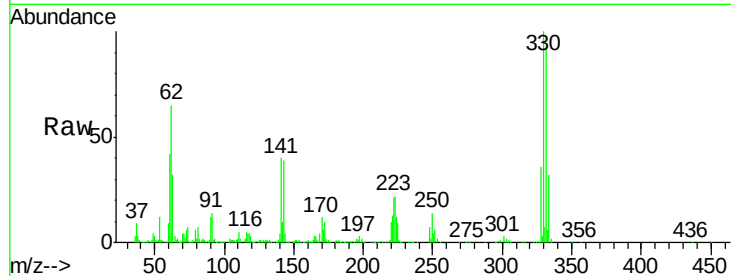




#41
 2,4,6-Tribromophenol
 Concen: 80.28 ng
 RT: 16.23 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: BG024059.D
 Acq: 21 Sep 2016 17:43

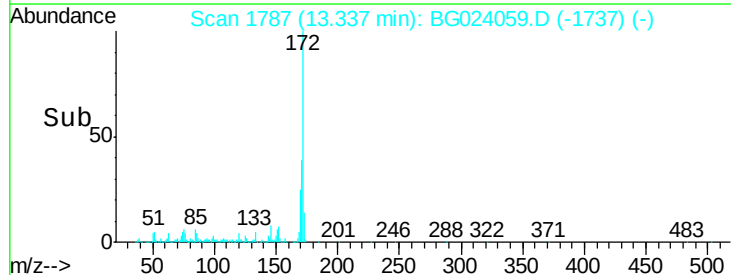
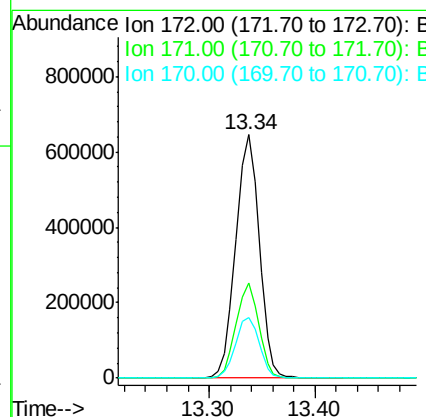
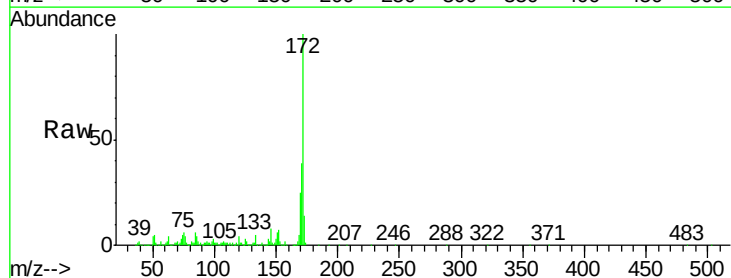
Instrument :
 BNA_G
 ClientSampleId :
 YORK-SB3-04

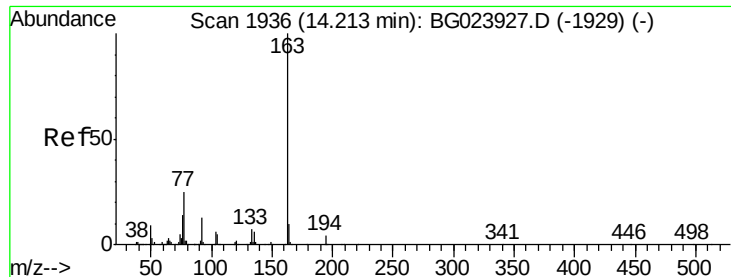
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.2	77.4	116.2
141	38.8	31.7	47.5



#44
 2-Fluorobiphenyl
 Concen: 63.96 ng
 RT: 13.34 min Scan# 1787
 Delta R.T. -0.00 min
 Lab File: BG024059.D
 Acq: 21 Sep 2016 17:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.1	31.6	47.4
170	25.0	21.3	31.9





#49

Dimethylphthalate

Concen: 14.32 ng

RT: 14.17 min Scan# 1929

Delta R.T. -0.00 min

Lab File: BG024059.D

Acq: 21 Sep 2016 17:43

Instrument :

BNA_G

ClientSampleId :

YORK-SB3-04

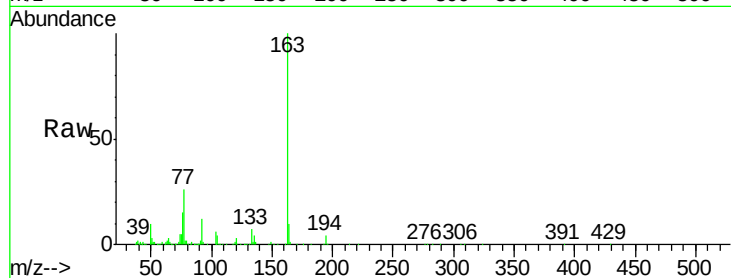
Tot Ion:163 Resp: 272383

Ion Ratio Lower Upper

163 100

194 4.0 3.6 5.4

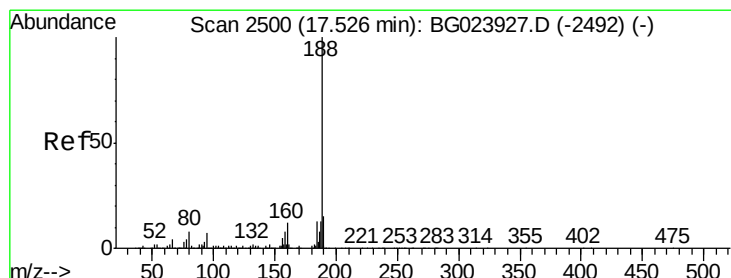
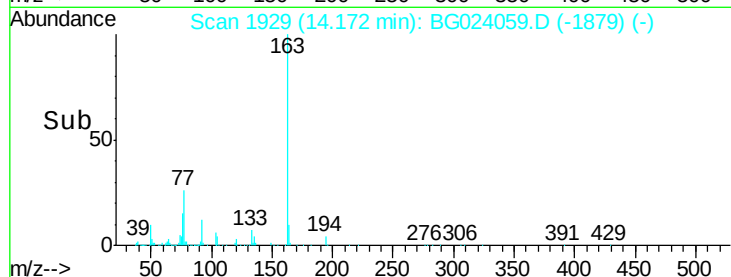
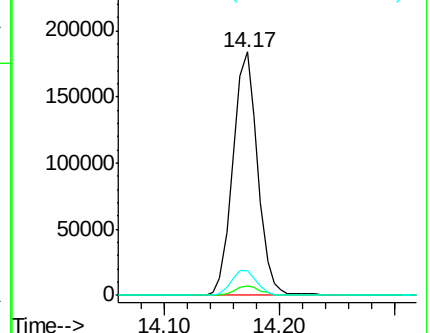
164 10.3 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.49 min Scan# 2494

Delta R.T. -0.00 min

Lab File: BG024059.D

Acq: 21 Sep 2016 17:43

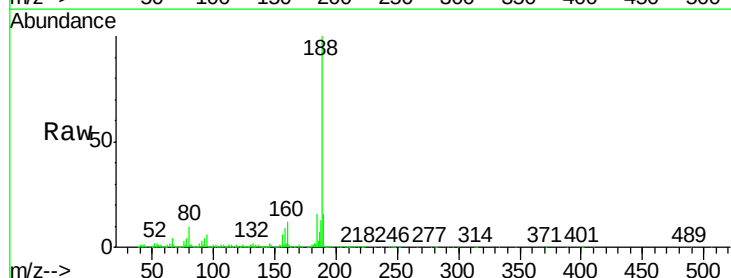
Tgt Ion:188 Resp: 414344

Ion Ratio Lower Upper

188 100

94 6.2 5.2 7.8

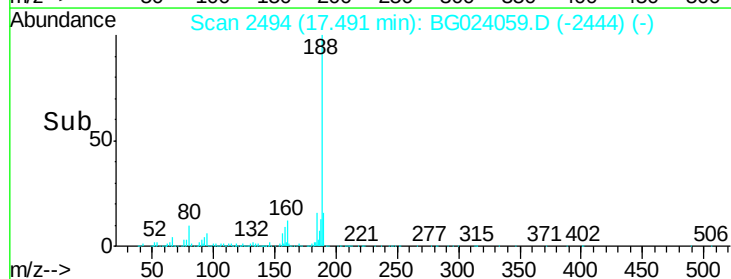
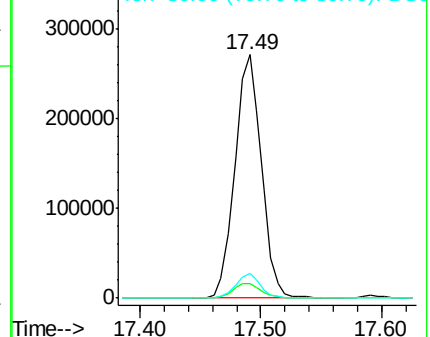
80 10.0 7.2 10.8

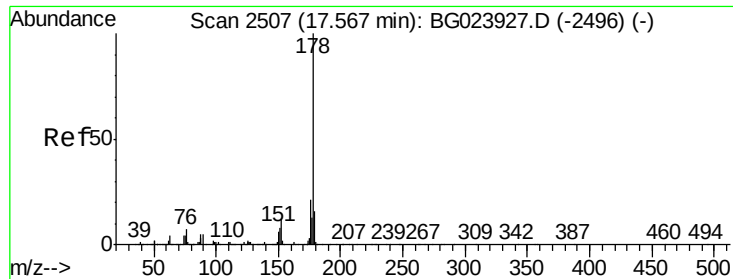


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 6.82 ng

RT: 17.53 min Scan# 2501

Delta R.T. -0.00 min

Lab File: BG024059.D

Acq: 21 Sep 2016 17:43

Instrument :

BNA_G

ClientSampleId :

YORK-SB3-04

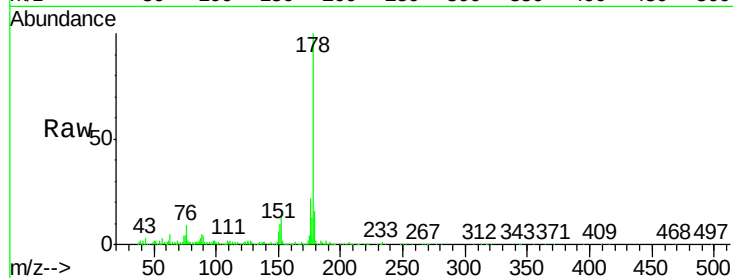
Tot Ion:178 Resp: 147038

Ion Ratio Lower Upper

178 100

176 22.3 16.8 25.2

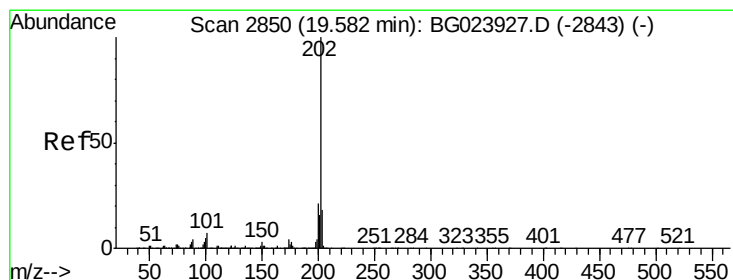
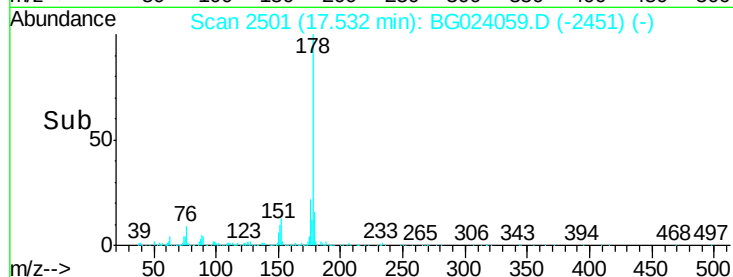
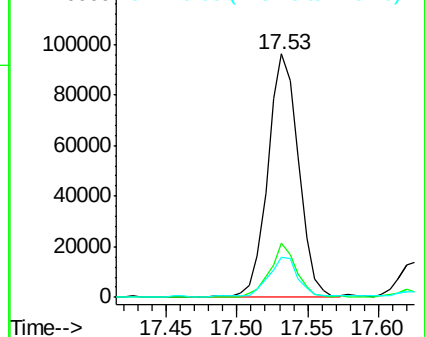
179 16.3 14.3 21.5



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



#74

Fluoranthene

Concen: 10.44 ng

RT: 19.55 min Scan# 2844

Delta R.T. -0.00 min

Lab File: BG024059.D

Acq: 21 Sep 2016 17:43

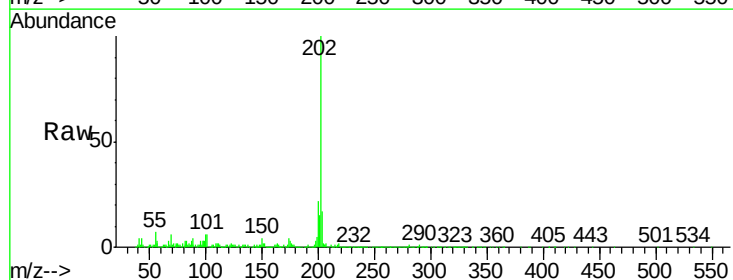
Tgt Ion:202 Resp: 270850

Ion Ratio Lower Upper

202 100

101 5.9 0.0 27.4

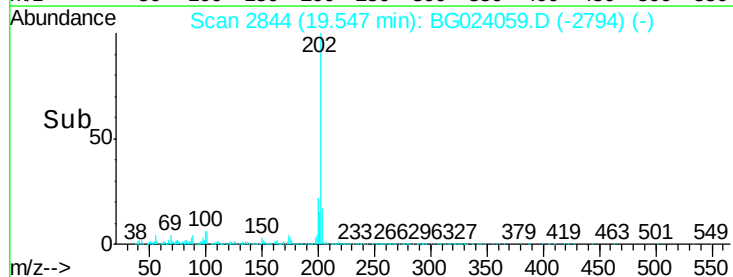
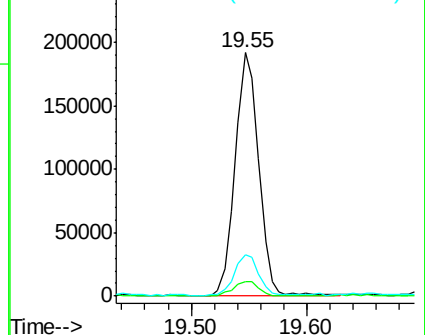
203 17.0 1.7 41.7

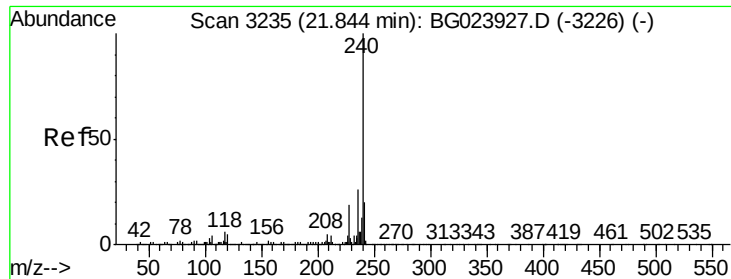


Abundance Ion 202.00 (201.70 to 202.70): E

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# 3228

Delta R.T. -0.00 min

Lab File: BG024059.D

Acq: 21 Sep 2016 17:43

Instrument :

BNA_G

ClientSampleId :

YORK-SB3-04

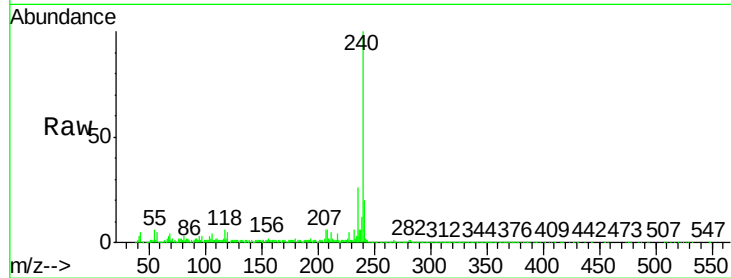
Tot Ion:240 Resp: 437667

Ion Ratio Lower Upper

240 100

120 5.3 4.1 6.1

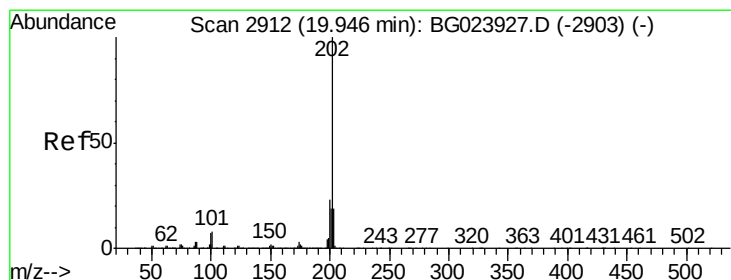
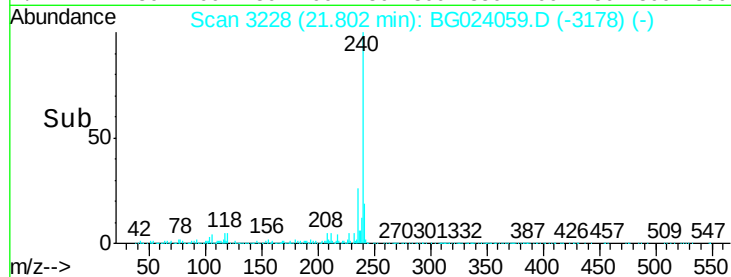
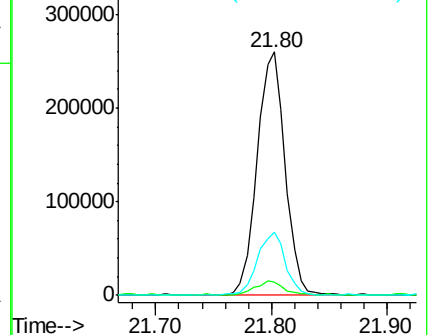
236 25.9 21.1 31.7



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: 8.77 ng

RT: 19.91 min Scan# 2906

Delta R.T. -0.00 min

Lab File: BG024059.D

Acq: 21 Sep 2016 17:43

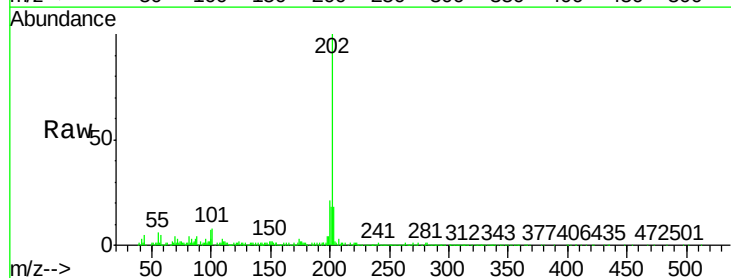
Tgt Ion:202 Resp: 235932

Ion Ratio Lower Upper

202 100

200 21.3 21.2 31.8

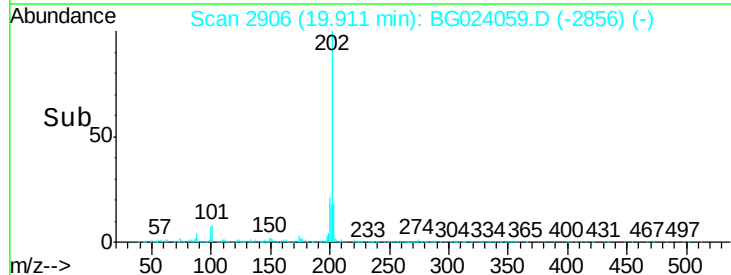
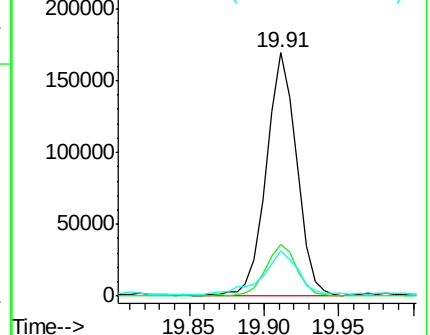
203 18.4 16.8 25.2

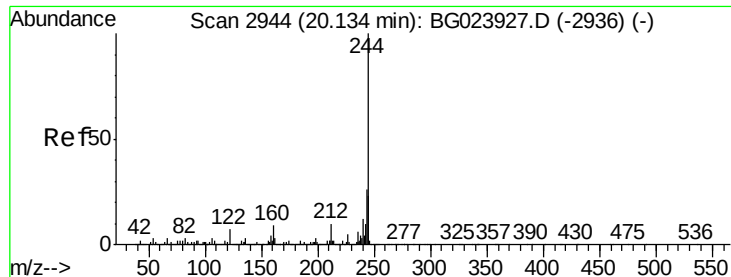


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 67.66 ng

RT: 20.10 min Scan# 2938

Delta R.T. -0.00 min

Lab File: BG024059.D

Acq: 21 Sep 2016 17:43

Instrument :

BNA_G

ClientSampleId :

YORK-SB3-04

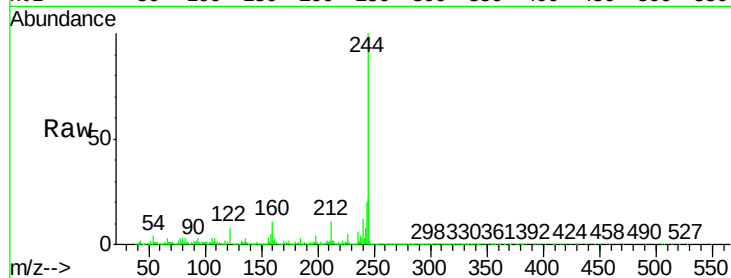
Tot Ion:244 Resp: 1300247

Ion Ratio Lower Upper

244 100

212 10.6 10.8 16.2#

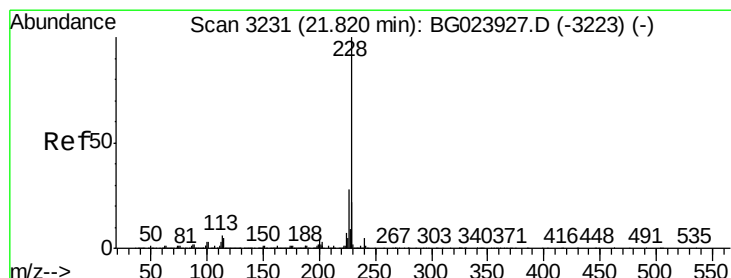
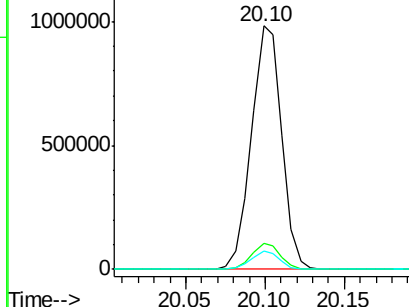
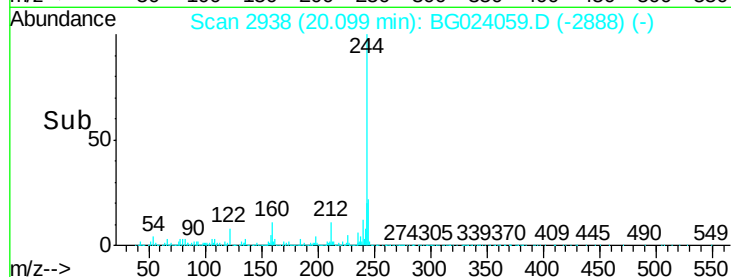
122 7.8 8.0 12.0#



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: 5.83 ng

RT: 21.78 min Scan# 3224

Delta R.T. -0.00 min

Lab File: BG024059.D

Acq: 21 Sep 2016 17:43

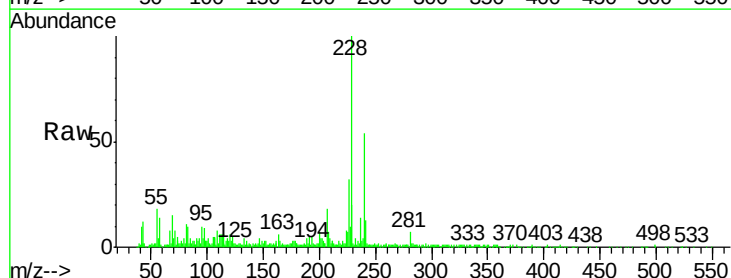
Tgt Ion:228 Resp: 142920

Ion Ratio Lower Upper

228 100

226 31.9 25.3 37.9

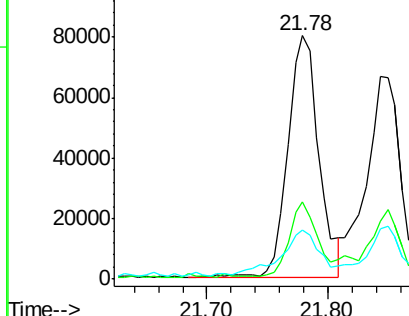
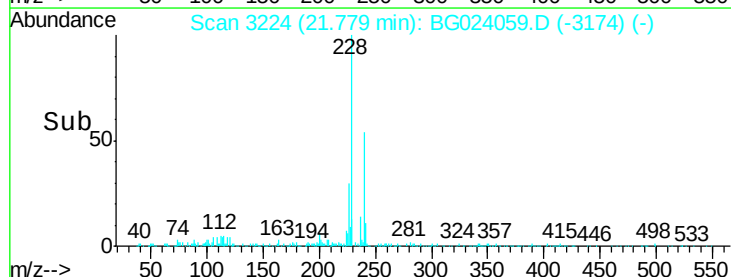
229 20.0 19.9 29.9

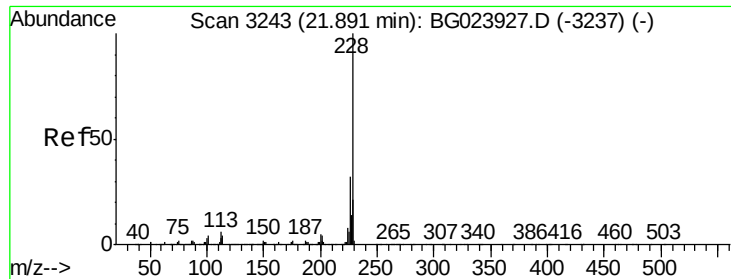


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.55 ng

RT: 21.84 min Scan# 3235

Delta R.T. -0.01 min

Lab File: BG024059.D

Acq: 21 Sep 2016 17:43

Instrument :

BNA_G

ClientSampleId :

YORK-SB3-04

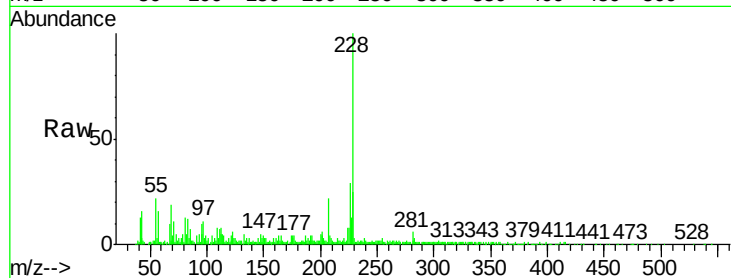
Tot Ion:228 Resp: 129520

Ion Ratio Lower Upper

228 100

226 28.8 26.7 40.1

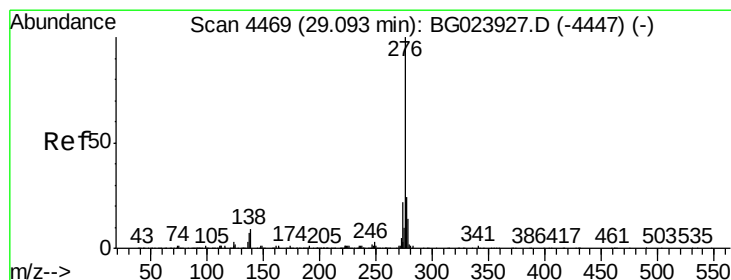
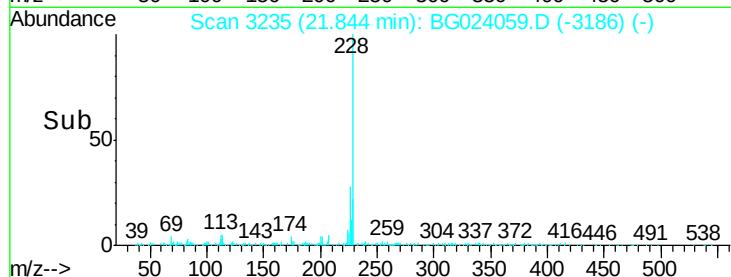
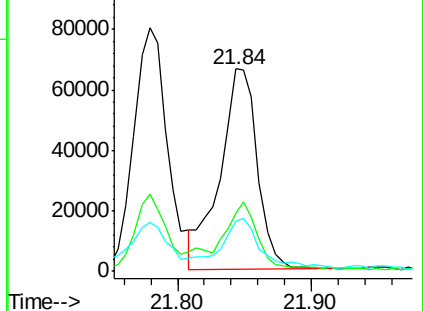
229 25.0 17.4 26.2



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: 2.16 ng

RT: 28.98 min Scan# 4449

Delta R.T. 0.01 min

Lab File: BG024059.D

Acq: 21 Sep 2016 17:43

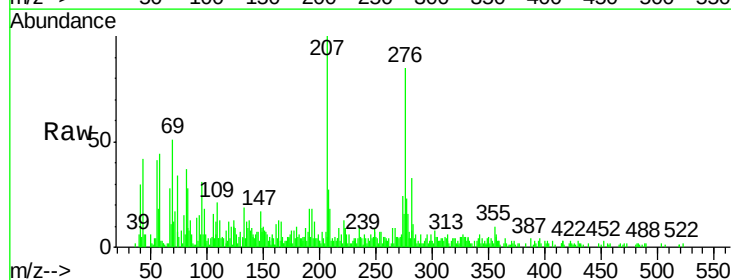
Tgt Ion:276 Resp: 55850

Ion Ratio Lower Upper

276 100

138 3.4 0.0 0.0#

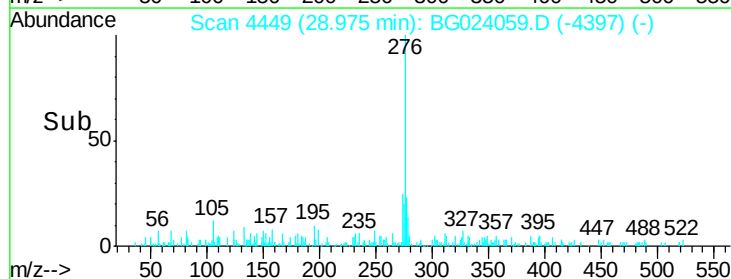
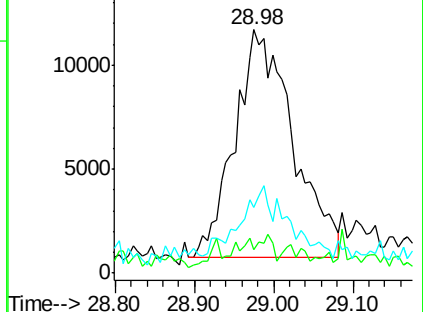
277 0.0 0.0 0.0

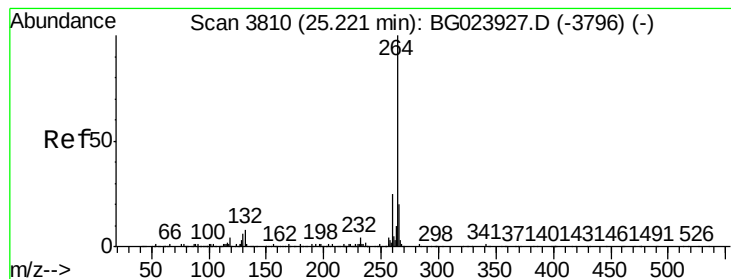


Abundance Ion 276.00 (275.70 to 276.70): E

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# 3797

Delta R.T. -0.01 min

Lab File: BG024059.D

Acq: 21 Sep 2016 17:43

Instrument :

BNA_G

ClientSampleId :

YORK-SB3-04

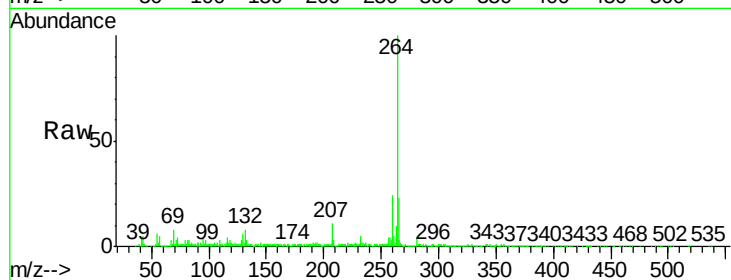
Tot Ion:264 Resp: 428398

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.4	27.6
265	23.1	18.9	28.3

264 100

260 24.1 18.4 27.6

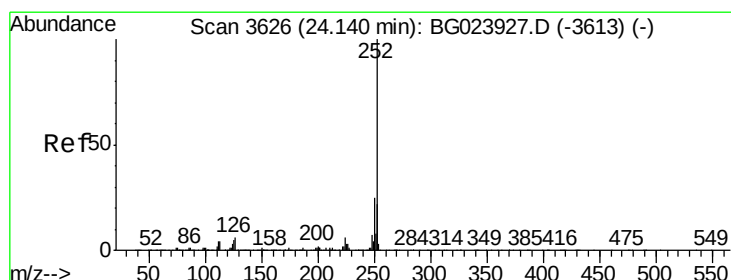
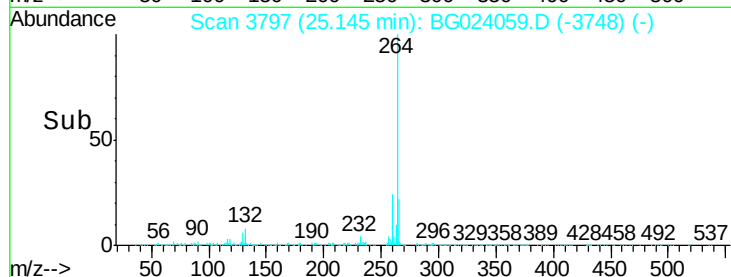
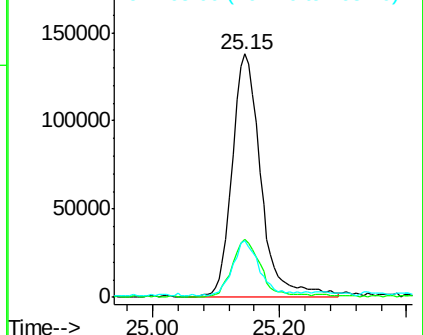
265 23.1 18.9 28.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 6.85 ng

RT: 24.08 min Scan# 3616

Delta R.T. 0.00 min

Lab File: BG024059.D

Acq: 21 Sep 2016 17:43

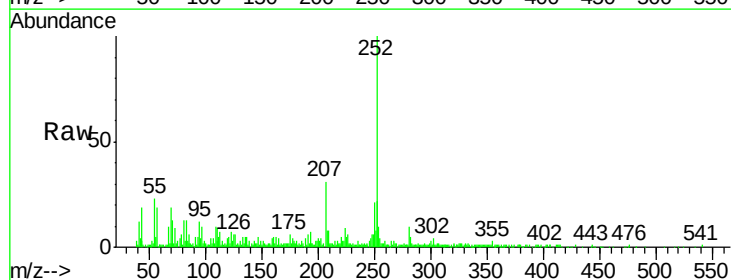
Tgt Ion:252 Resp: 166642

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.9	28.3
125	6.2	3.9	5.9

252 100

253 22.4 18.9 28.3

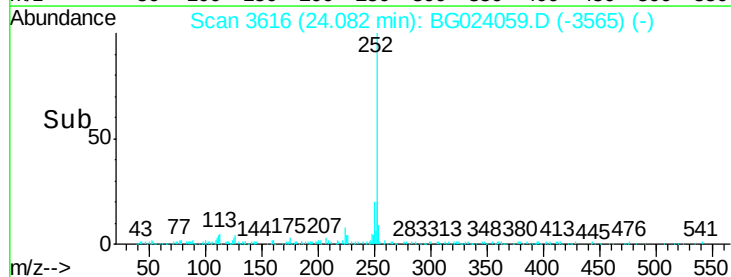
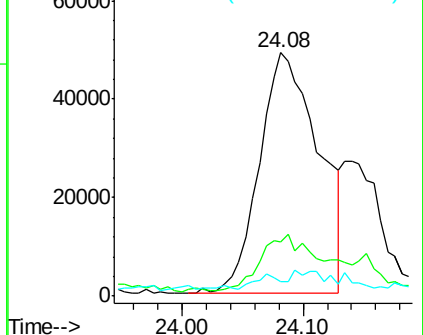
125 6.2 3.9 5.9

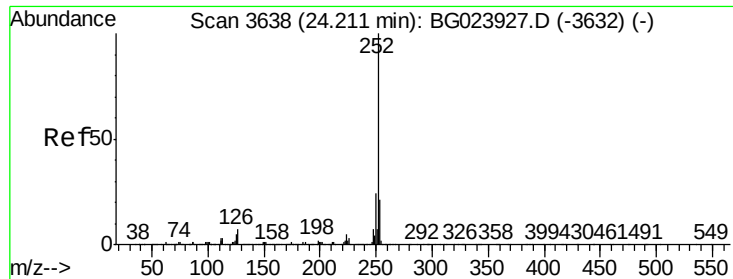


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

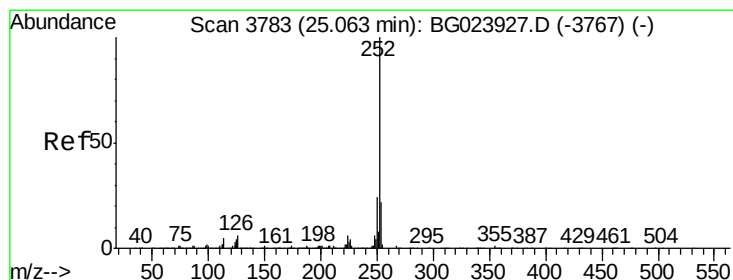
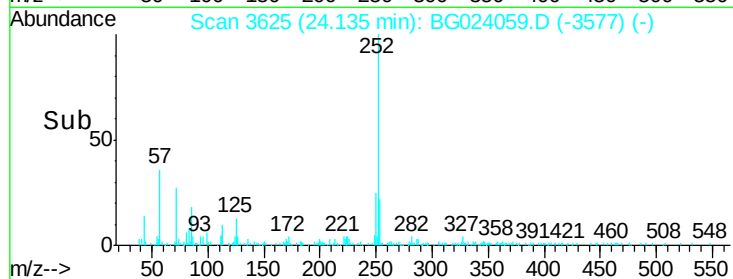
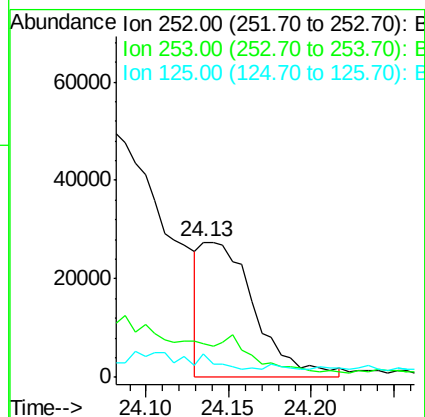
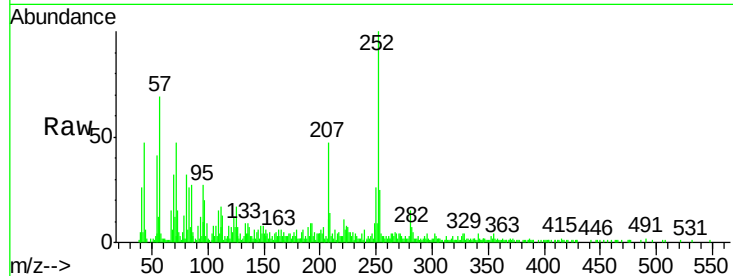




#88
Benzo(k)fluoranthene
Concen: 2.61 ng m
RT: 24.13 min Scan# 3625
Delta R.T. -0.02 min
Lab File: BG024059.D
Acq: 21 Sep 2016 17:43

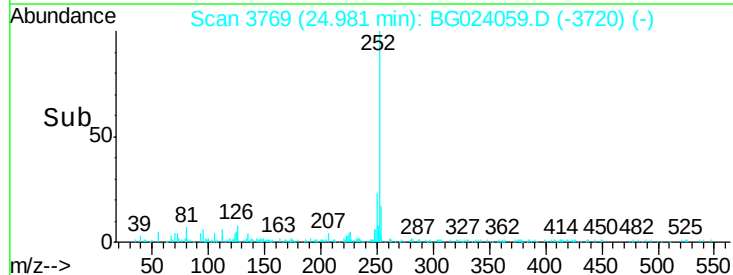
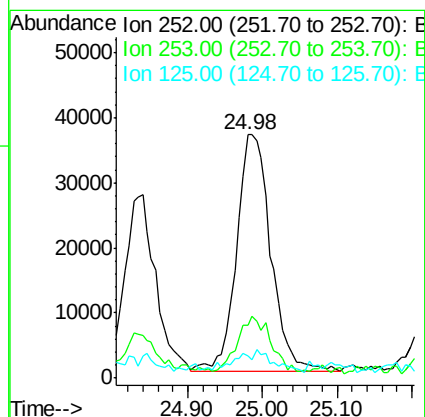
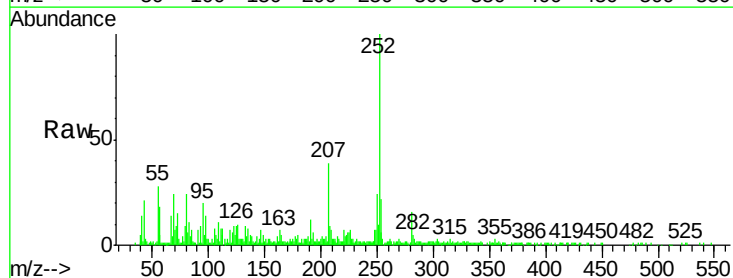
Instrument :
BNA_G
ClientSampleId :
YORK-SB3-04

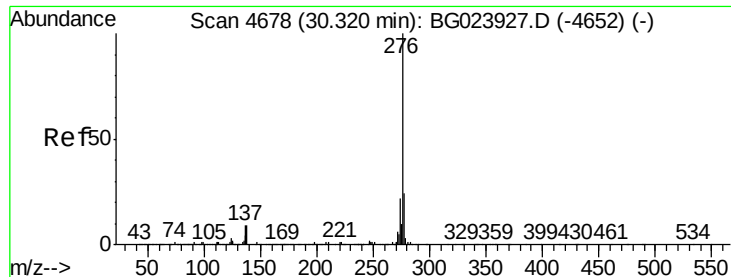
Tot Ion:252 Resp: 62881
Ion Ratio Lower Upper
252 100
253 24.9 18.8 28.2
125 17.4 3.2 4.8#



#89
Benzo(a)pyrene
Concen: 4.97 ng
RT: 24.98 min Scan# 3769
Delta R.T. -0.01 min
Lab File: BG024059.D
Acq: 21 Sep 2016 17:43

Tgt Ion:252 Resp: 114757
Ion Ratio Lower Upper
252 100
253 21.9 18.7 28.1
125 9.3 3.9 5.9#





#91

Benzo(a,h,i)perylene

Concen: 2.40 ng/mL

RT: 30.19 min Scan# 4655

Delta R.T. 0.02 min

Lab File: BG024059.D

Acq: 21 Sep 2016 17:43

Instrument :

BNA_G

ClientSampleId :

YORK-SB3-04

Tot Ion: 276 Resp: 52431

Ion Ratio Lower Upper

276 100

277 25.1 18.6 27.8

138 11.2 6.8 10.2

