

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092116\
 Data File : BG024061.D
 Acq On : 21 Sep 2016 18:58
 Operator : UM/SJ
 Sample : H4820-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 YORK-TP1-03

Quant Time: Sep 22 07:34:10 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

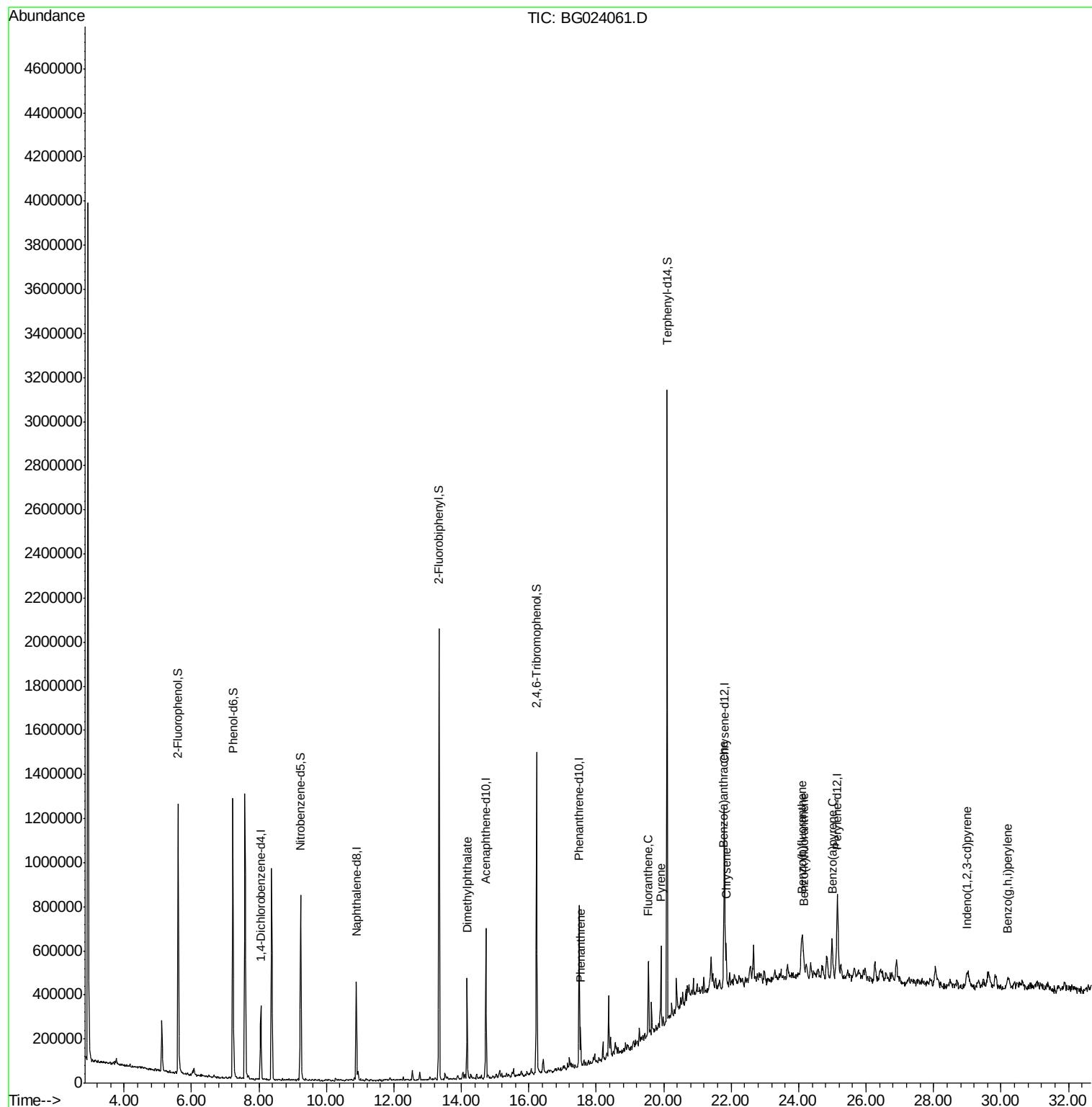
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	84730	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	344082	20.00	ng	0.00
38) Acenaphthene-d10	14.73	164	237425	20.00	ng	0.00
63) Phenanthrene-d10	17.49	188	424580	20.00	ng	0.00
75) Chrysene-d12	21.80	240	437022	20.00	ng	0.00
86) Perylene-d12	25.15	264	422756	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	468789	97.14	ng	0.00
7) Phenol-d6	7.23	99	713322	96.02	ng	0.00
23) Nitrobenzene-d5	9.24	82	544683	70.67	ng	0.00
41) 2,4,6-Tribromophenol	16.23	330	270055	63.13	ng	0.00
44) 2-Fluorobiphenyl	13.34	172	952282	57.50	ng	0.00
78) Terphenyl-d14	20.10	244	1146731	59.76	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.17	163	259583	12.75	ng	97
70) Phenanthrene	17.54	178	104246	4.72	ng	95
74) Fluoranthene	19.55	202	212962	8.01	ng	91
77) Pyrene	19.92	202	234677	8.73	ng	93
80) Benzo(a)anthracene	21.78	228	158114m	6.46	ng	
82) Chrysene	21.85	228	148228	6.37	ng	98
85) Indeno(1,2,3-cd)pyrene	28.99	276	104474	4.05	ng	# 100
87) Benzo(b)fluoranthene	24.09	252	207203	8.63	ng	# 98
88) Benzo(k)fluoranthene	24.14	252	80381m	3.38	ng	
89) Benzo(a)pyrene	24.99	252	159471	6.99	ng	# 96
91) Benzo(g,h,i)perylene	30.21	276	103091	4.78	ng	# 92

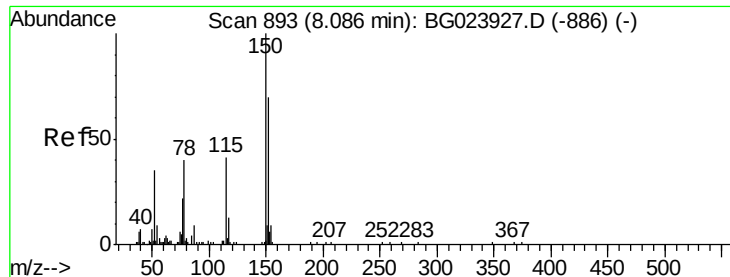
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.05 min Scan# 887

Delta R.T. 0.00 min

Lab File: BG024061.D

Acq: 21 Sep 2016 18:58

Instrument :

BNA_G

ClientSampleId :

YORK-TP1-03

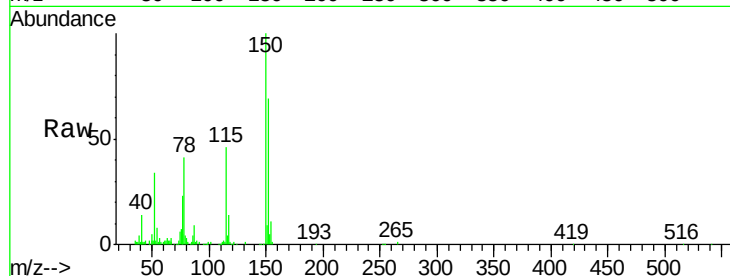
Tot Ion:152 Resp: 84730

Ion Ratio Lower Upper

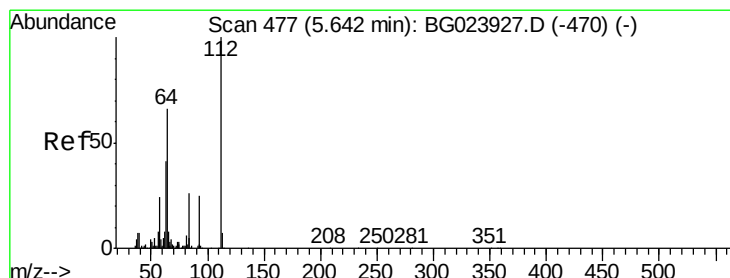
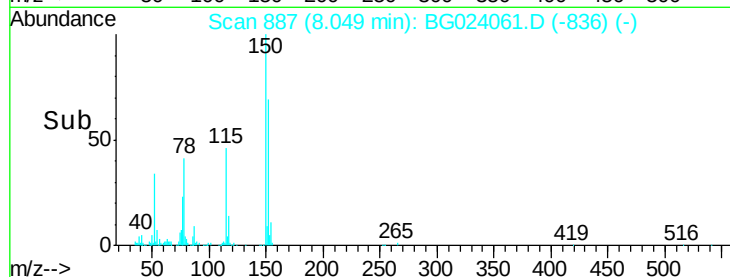
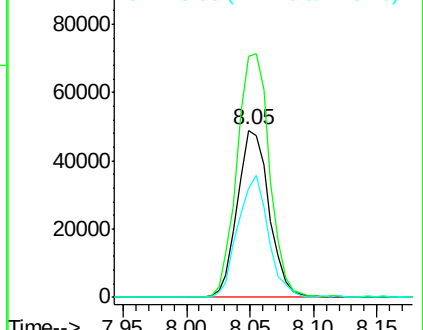
152 100

150 144.1 144.7 217.1#

115 65.6 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: 97.14 ng

RT: 5.61 min Scan# 471

Delta R.T. 0.00 min

Lab File: BG024061.D

Acq: 21 Sep 2016 18:58

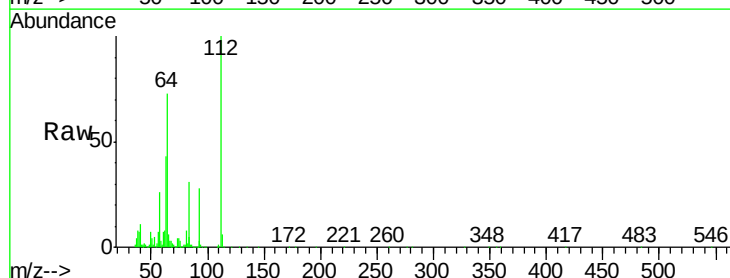
Tgt Ion:112 Resp: 468789

Ion Ratio Lower Upper

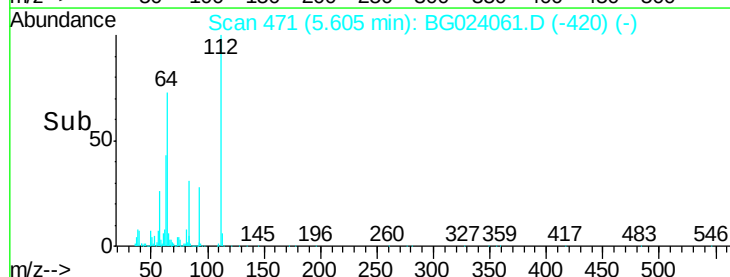
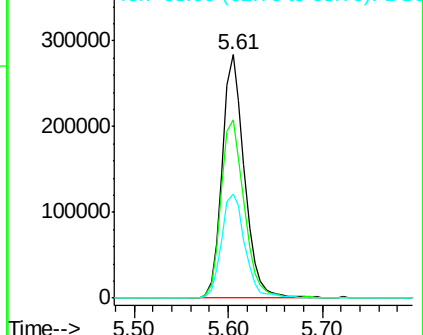
112 100

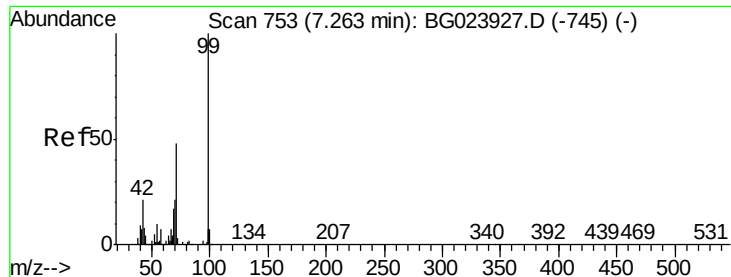
64 73.4 59.0 88.4

63 42.7 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: 96.02 ng

RT: 7.23 min Scan# 747

Delta R.T. 0.01 min

Lab File: BG024061.D

Acq: 21 Sep 2016 18:58

Instrument :

BNA_G

ClientSampleId :

YORK-TP1-03

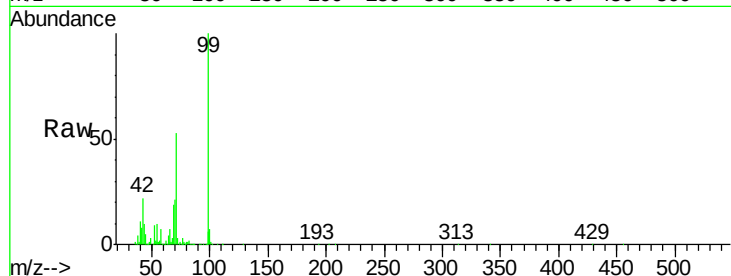
Tot Ion: 99 Resp: 713322

Ion Ratio Lower Upper

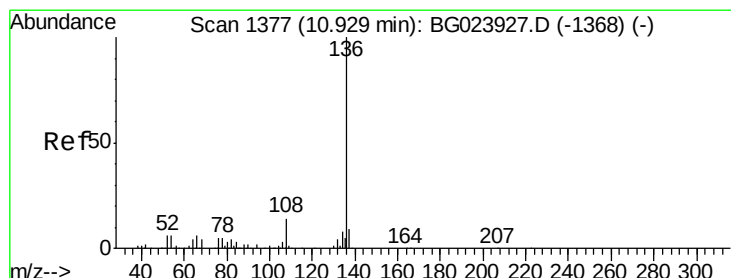
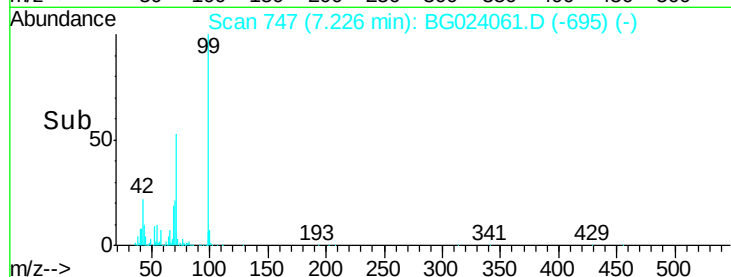
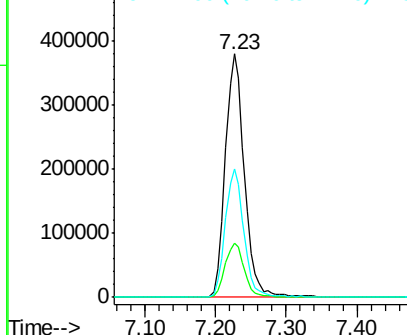
99 100

42 22.3 17.8 26.6

71 52.8 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: 10.89 min Scan# 1370

Delta R.T. 0.00 min

Lab File: BG024061.D

Acq: 21 Sep 2016 18:58

Tgt Ion: 136 Resp: 344082

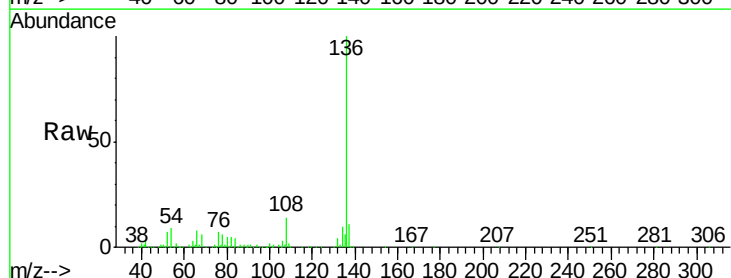
Ion Ratio Lower Upper

136 100

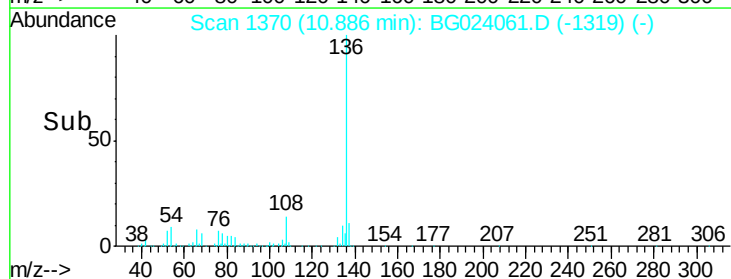
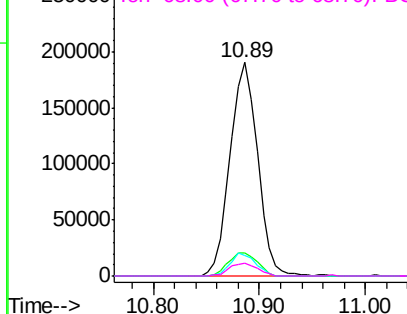
137 10.7 9.6 14.4

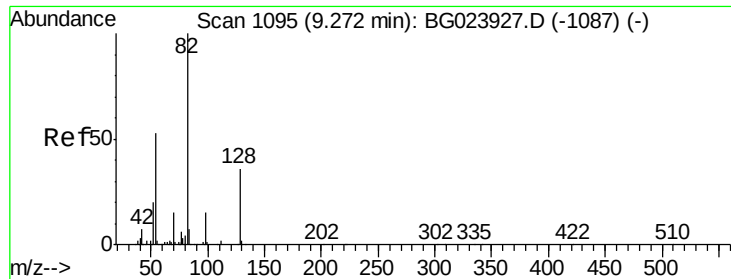
54 9.4 7.3 10.9

68 5.9 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

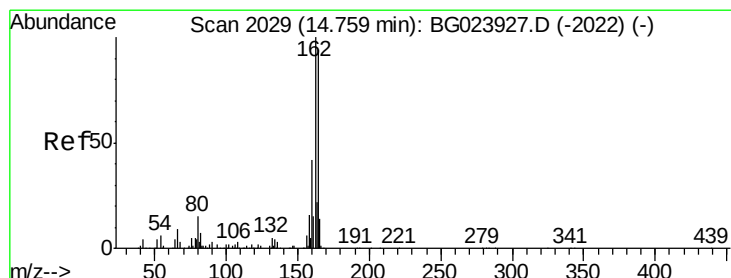
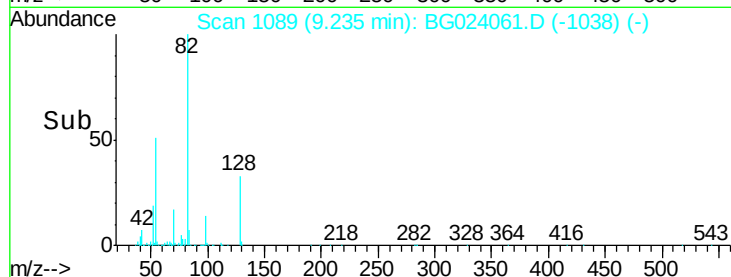
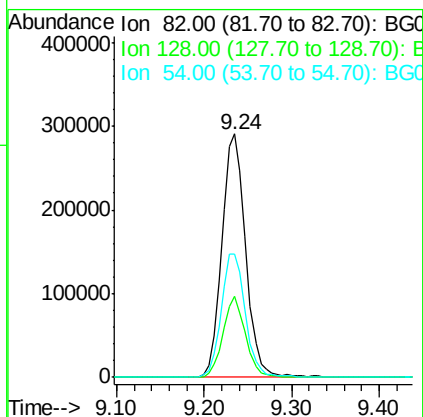
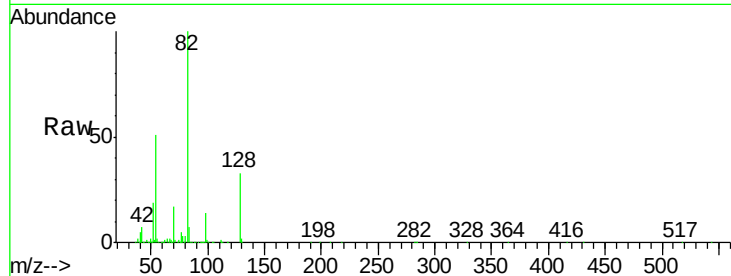




#23
 Nitrobenzene-d5
 Concen: 70.67 ng
 RT: 9.24 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: BG024061.D
 Acq: 21 Sep 2016 18:58

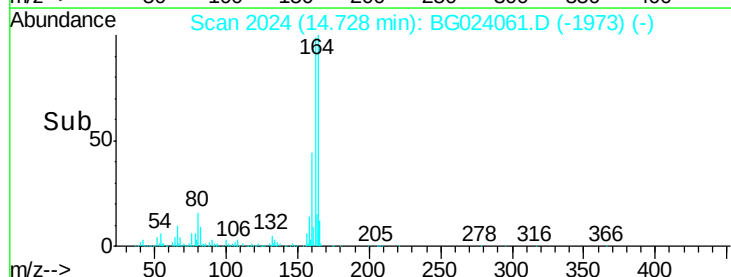
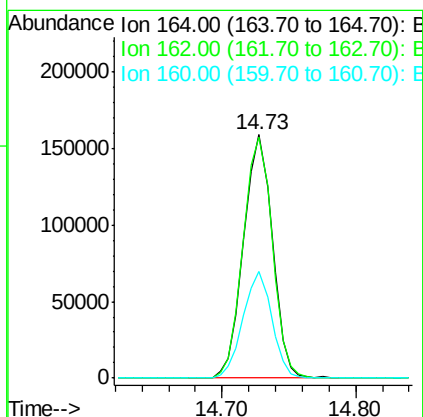
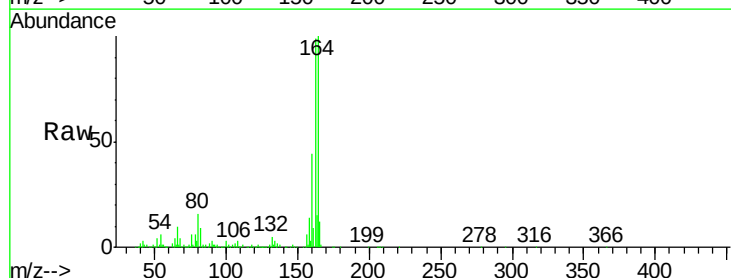
Instrument :
 BNA_G
 ClientSampleId :
 YORK-TP1-03

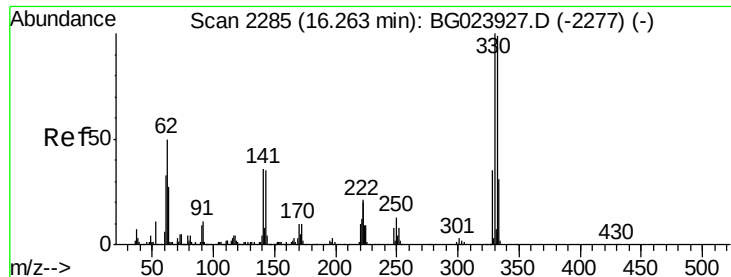
Tot Ion	82	Resp	544683
Ion Ratio	Lower	Upper	
82	100		
128	33.3	24.4	36.6
54	50.8	41.4	62.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.73 min Scan# 2024
 Delta R.T. 0.00 min
 Lab File: BG024061.D
 Acq: 21 Sep 2016 18:58

Tgt Ion	164	Resp	237425
Ion Ratio	Lower	Upper	
164	100		
162	99.0	87.7	131.5
160	43.6	37.2	55.8

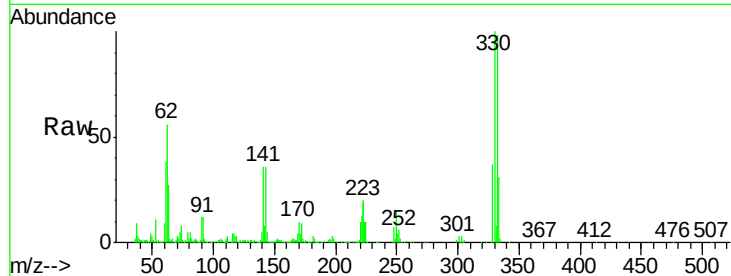




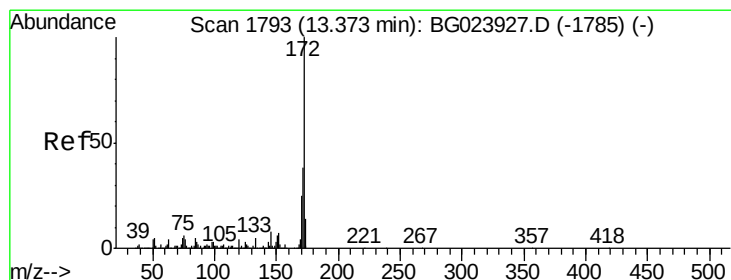
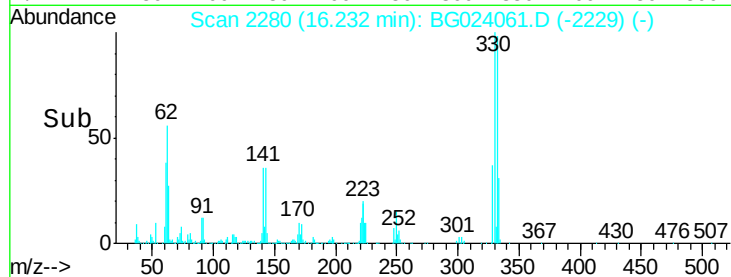
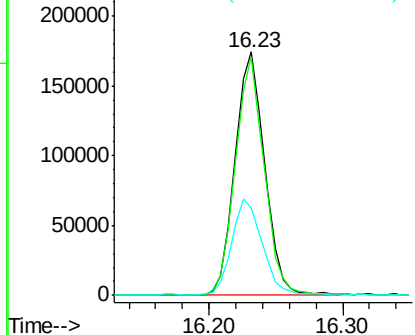
#41
 2,4,6-Tribromophenol
 Concen: 63.13 ng
 RT: 16.23 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: BG024061.D
 Acq: 21 Sep 2016 18:58

Instrument :
 BNA_G
 ClientSampleId :
 YORK-TP1-03

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.4	116.2
141	40.2	31.7	47.5

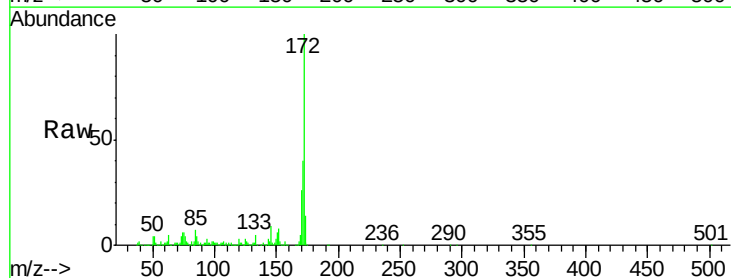


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

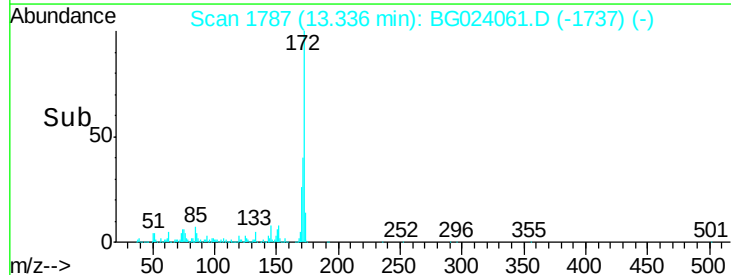
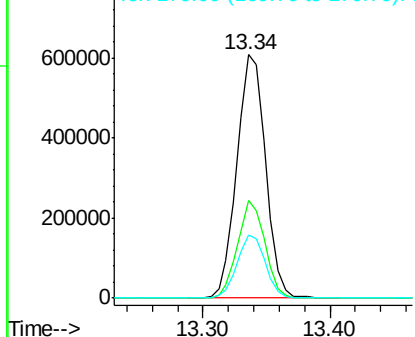


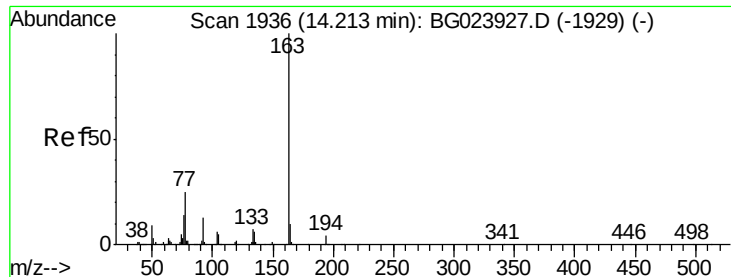
#44
 2-Fluorobiphenyl
 Concen: 57.50 ng
 RT: 13.34 min Scan# 1787
 Delta R.T. -0.01 min
 Lab File: BG024061.D
 Acq: 21 Sep 2016 18:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.9	31.6	47.4
170	25.8	21.3	31.9



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 12.75 ng

RT: 14.17 min Scan# 1929

Delta R.T. -0.01 min

Lab File: BG024061.D

Acq: 21 Sep 2016 18:58

Instrument :

BNA_G

ClientSampleId :

YORK-TP1-03

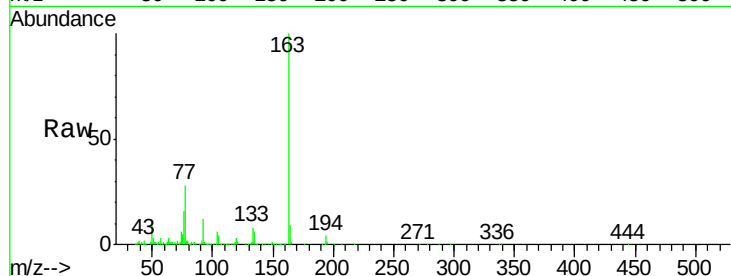
Tot Ion:163 Resp: 259583

Ion Ratio Lower Upper

163 100

194 4.0 3.6 5.4

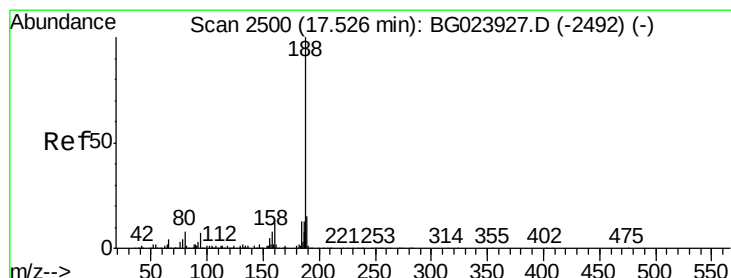
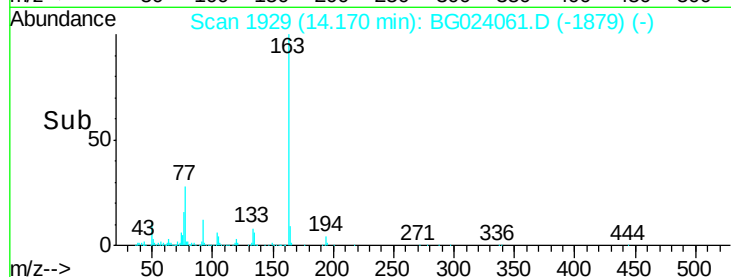
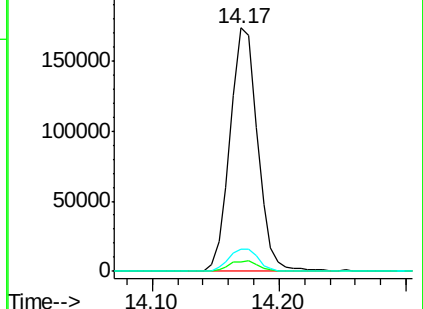
164 8.9 8.1 12.1



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. -0.01 min

Lab File: BG024061.D

Acq: 21 Sep 2016 18:58

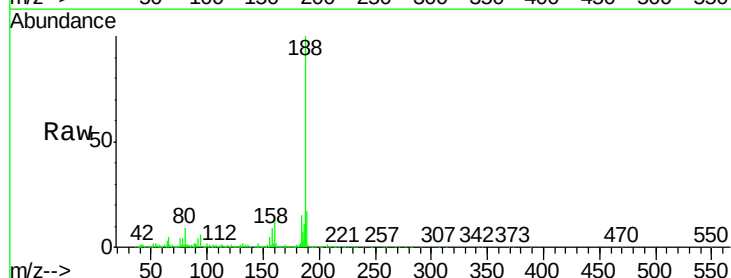
Tgt Ion:188 Resp: 424580

Ion Ratio Lower Upper

188 100

94 6.4 5.2 7.8

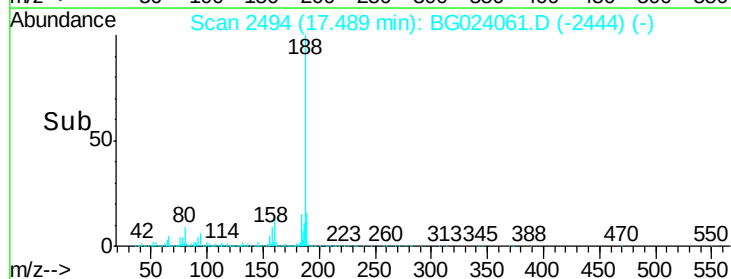
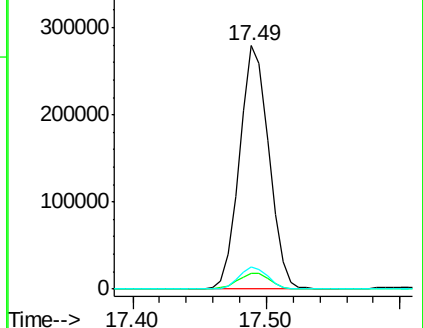
80 9.3 7.2 10.8

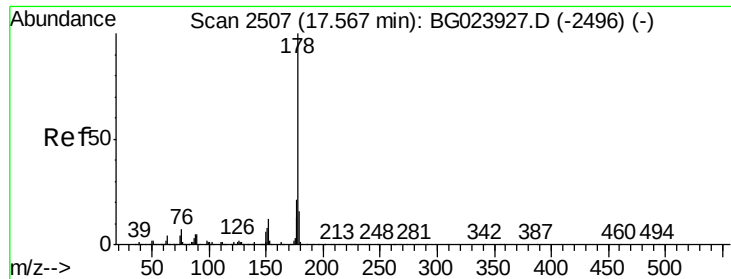


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 4.72 ng

RT: 17.54 min Scan# 2502

Delta R.T. 0.00 min

Lab File: BG024061.D

Acq: 21 Sep 2016 18:58

Instrument :

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ClientSampleId :

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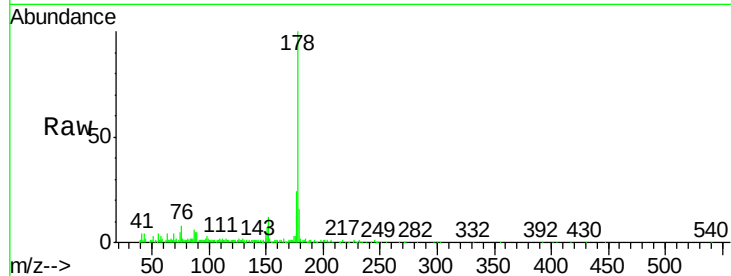
Tot Ion:178 Resp: 104246

Ion Ratio Lower Upper

178 100

176 23.6 16.8 25.2

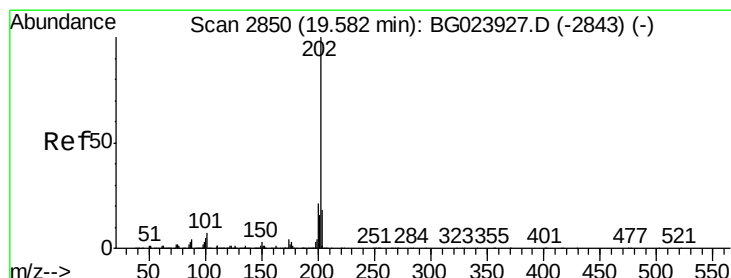
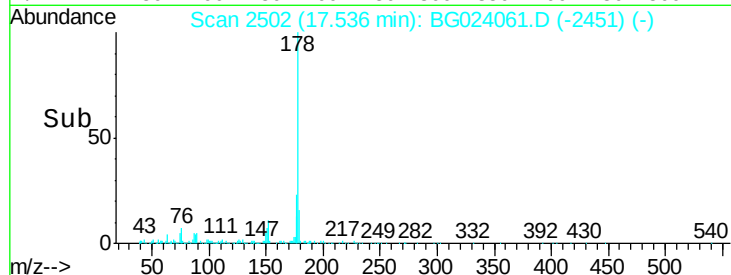
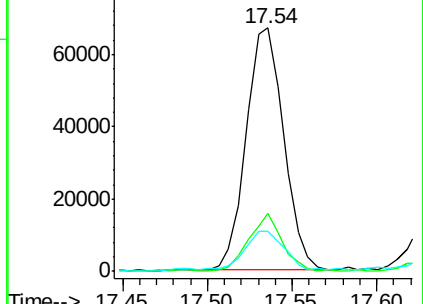
179 16.2 14.3 21.5



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: 8.01 ng

RT: 19.55 min Scan# 2845

Delta R.T. 0.00 min

Lab File: BG024061.D

Acq: 21 Sep 2016 18:58

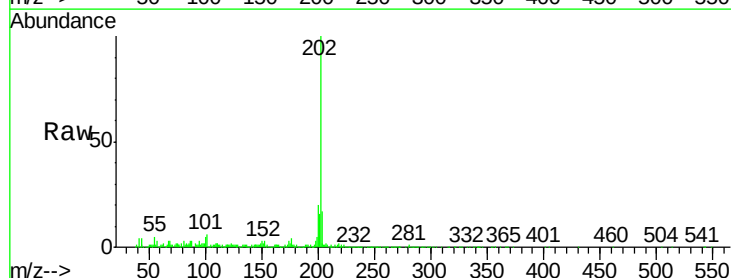
Tgt Ion:202 Resp: 212962

Ion Ratio Lower Upper

202 100

101 6.4 0.0 27.4

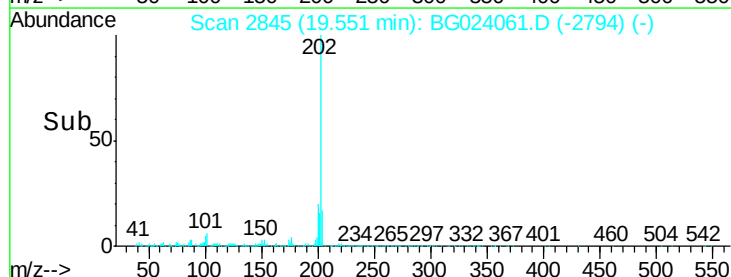
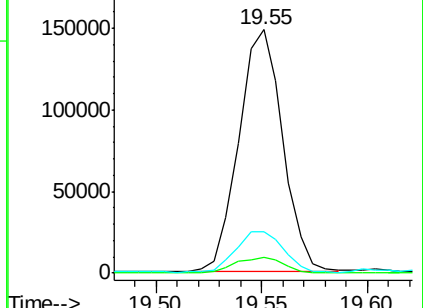
203 16.8 1.7 41.7

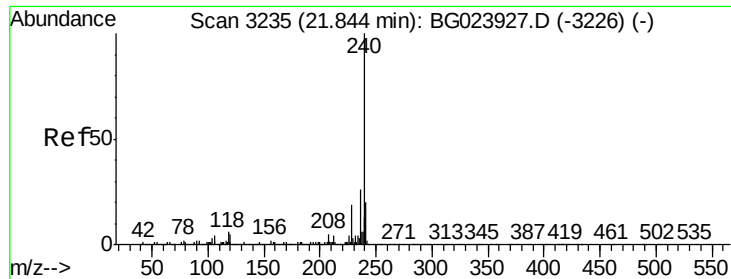


Abundance Ion 202.00 (201.70 to 202.70): E

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. -0.01 min

Lab File: BG024061.D

Acq: 21 Sep 2016 18:58

Instrument :

BNA_G

ClientSampleId :

YORK-TP1-03

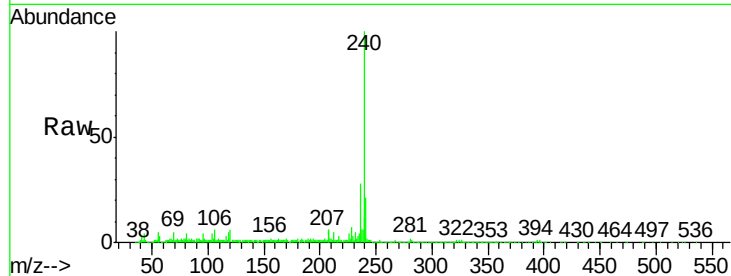
Tot Ion:240 Resp: 437022

Ion Ratio Lower Upper

240 100

120 5.8 4.1 6.1

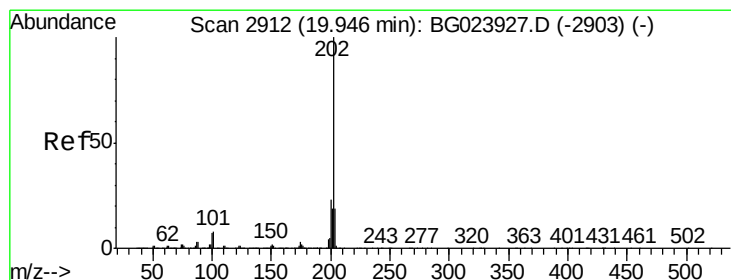
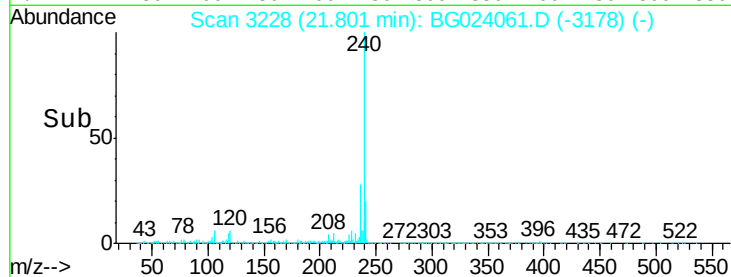
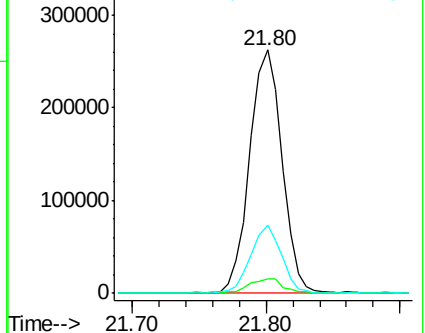
236 28.2 21.1 31.7



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: 8.73 ng

RT: 19.92 min Scan# 2907

Delta R.T. 0.00 min

Lab File: BG024061.D

Acq: 21 Sep 2016 18:58

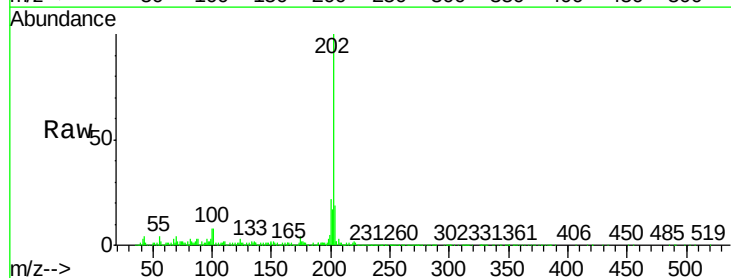
Tgt Ion:202 Resp: 234677

Ion Ratio Lower Upper

202 100

200 22.1 21.2 31.8

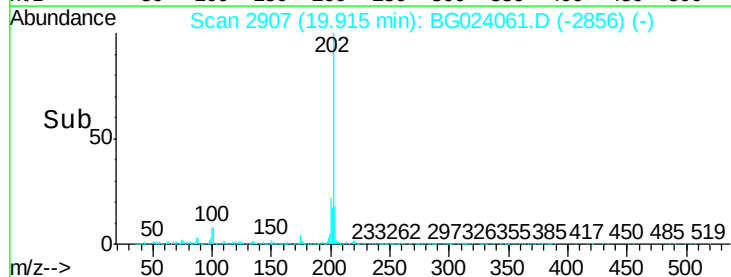
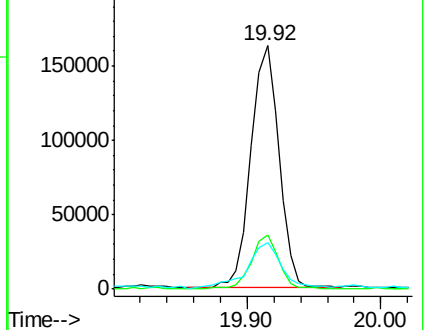
203 18.9 16.8 25.2

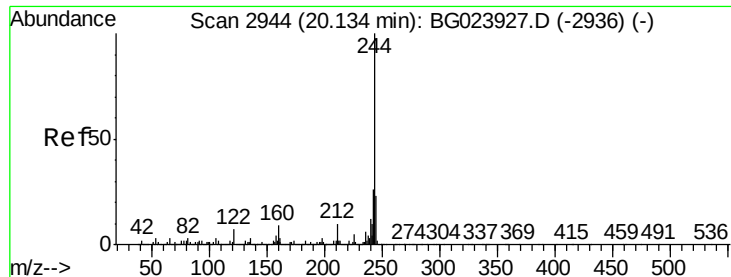


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 59.76 ng

RT: 20.10 min Scan# 2939

Delta R.T. 0.00 min

Lab File: BG024061.D

Acq: 21 Sep 2016 18:58

Instrument :

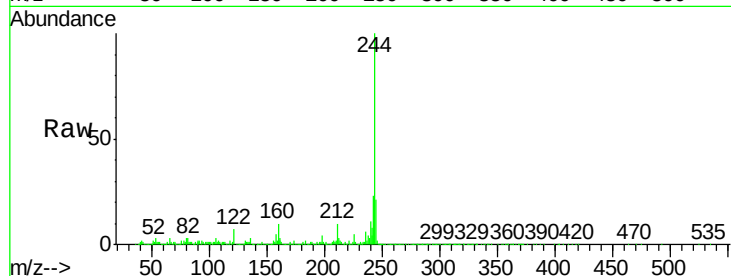
BNA_G

ClientSampleId :

YORK-TP1-03

Tot Ion:244 Resp: 1146731

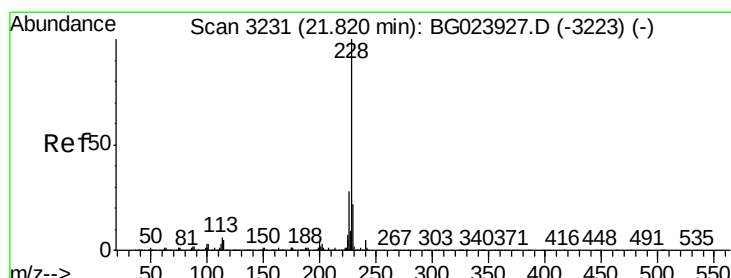
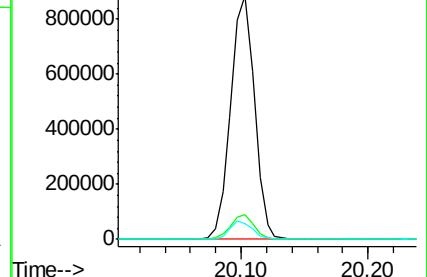
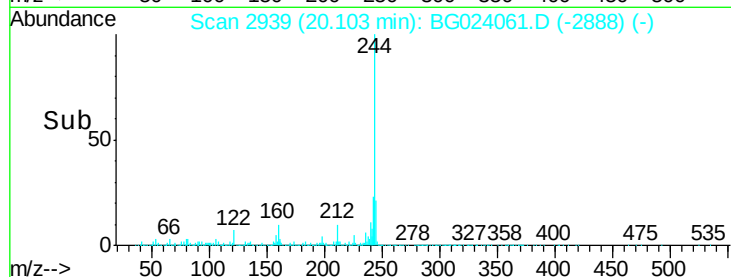
Ion	Ratio	Lower	Upper
244	100		
212	10.0	10.8	16.2#
122	6.7	8.0	12.0#



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: 6.46 ng m

RT: 21.78 min Scan# 3224

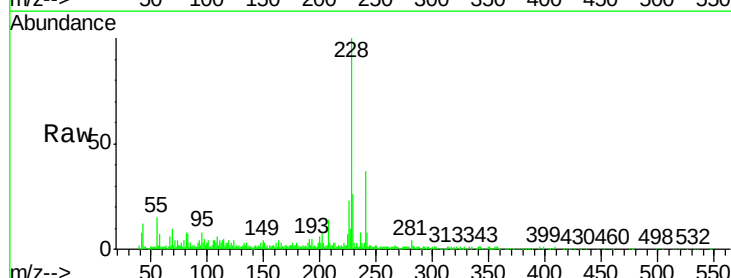
Delta R.T. -0.01 min

Lab File: BG024061.D

Acq: 21 Sep 2016 18:58

Tgt Ion:228 Resp: 158114

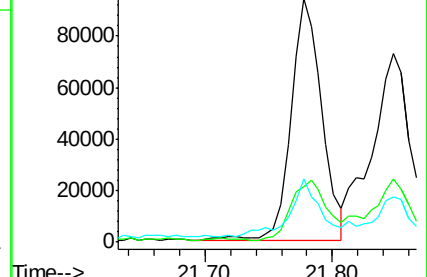
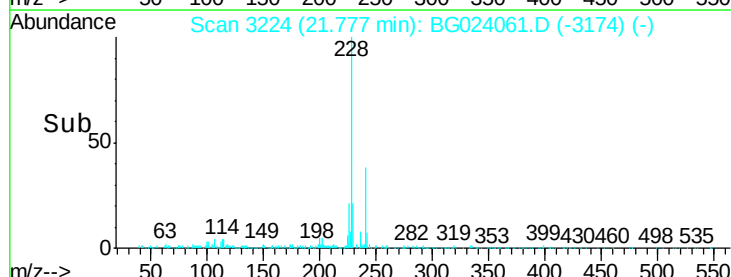
Ion	Ratio	Lower	Upper
228	100		
226	22.9	25.3	37.9#
229	25.7	19.9	29.9

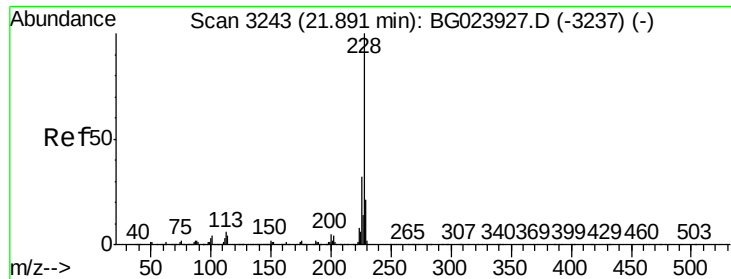


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 6.37 ng

RT: 21.85 min Scan# 3236

Delta R.T. -0.01 min

Lab File: BG024061.D

Acq: 21 Sep 2016 18:58

Instrument :

BNA_G

ClientSampleId :

YORK-TP1-03

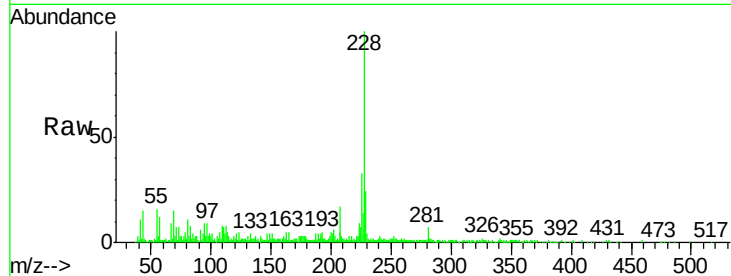
Tot Ion:228 Resp: 148228

Ion Ratio Lower Upper

228 100

226 33.5 26.7 40.1

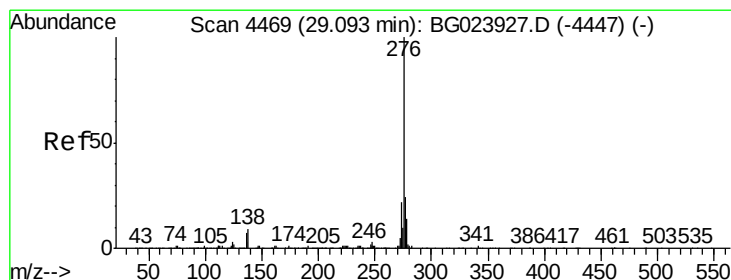
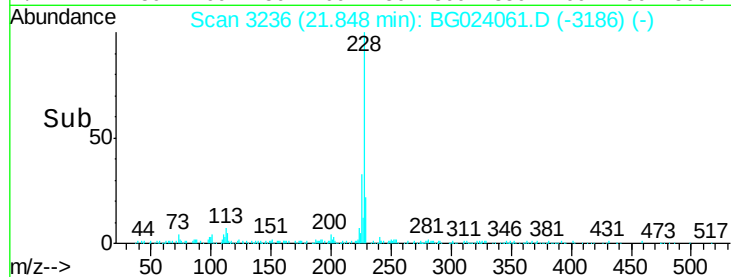
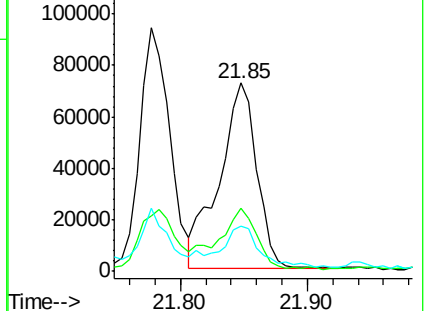
229 23.8 17.4 26.2



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: 4.05 ng

RT: 28.99 min Scan# 4451

Delta R.T. 0.02 min

Lab File: BG024061.D

Acq: 21 Sep 2016 18:58

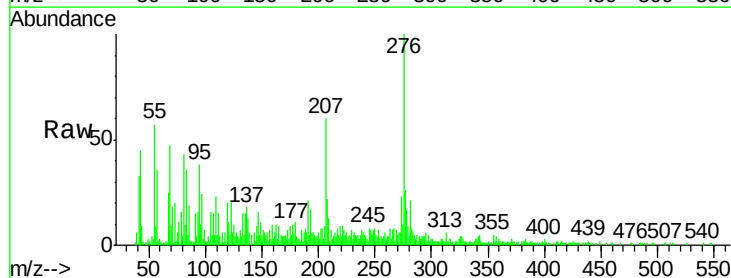
Tgt Ion:276 Resp: 104474

Ion Ratio Lower Upper

276 100

138 5.0 0.0 0.0#

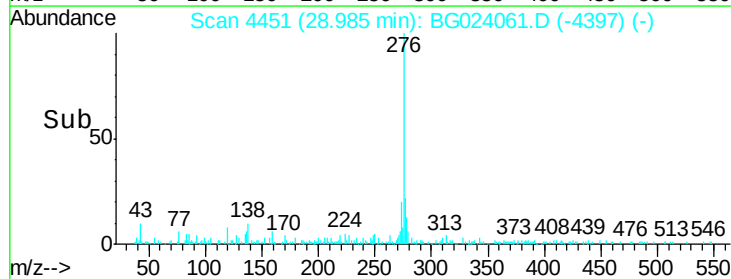
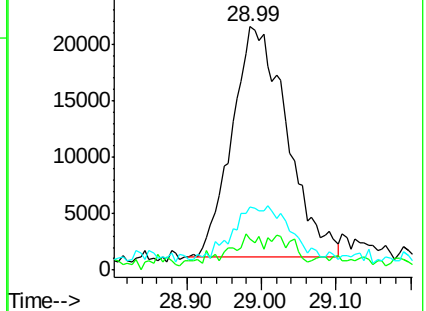
277 13.0 0.0 0.0#

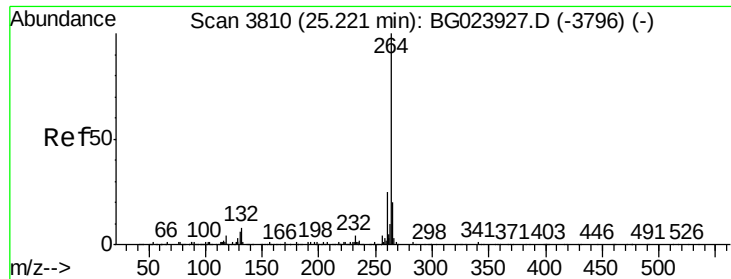


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

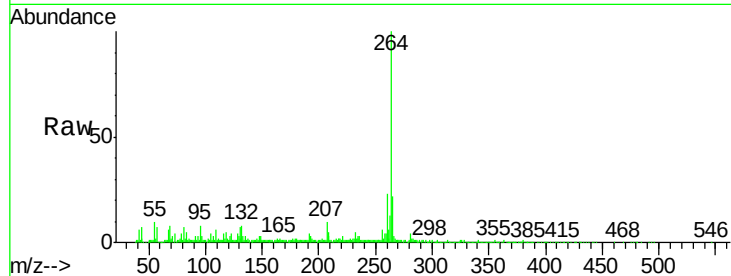




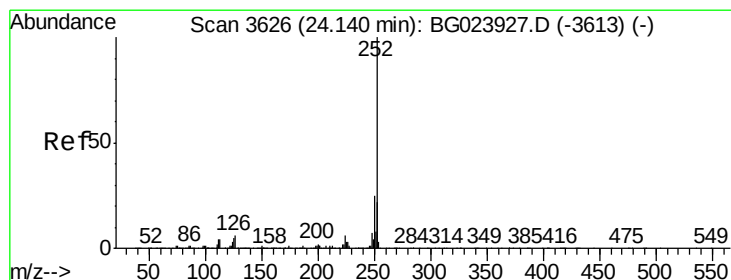
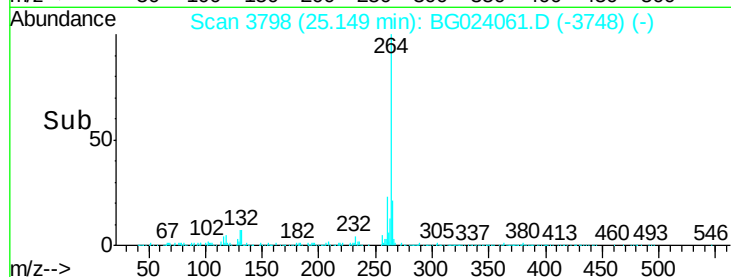
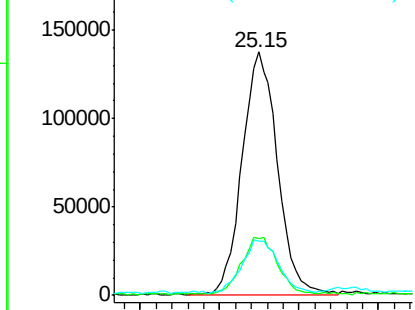
#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.15 min Scan# 3798
Delta R.T. -0.01 min
Lab File: BG024061.D
Acq: 21 Sep 2016 18:58

Instrument :
BNA_G
ClientSampleId :
YORK-TP1-03

Tot	Ion:264	Resp:	422756
Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.4	27.6
265	22.3	18.9	28.3

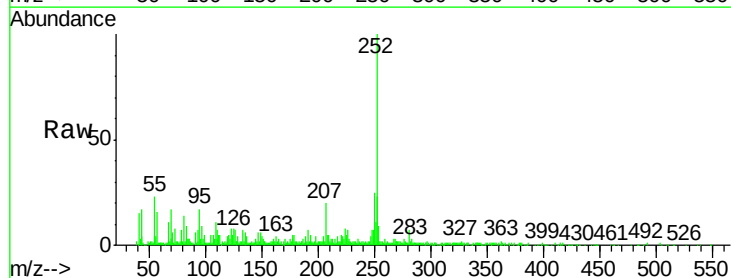


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

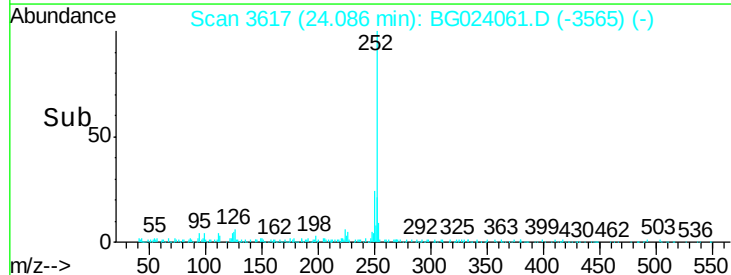
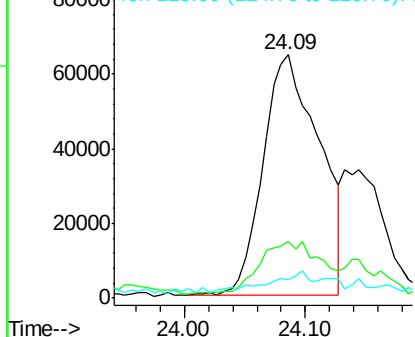


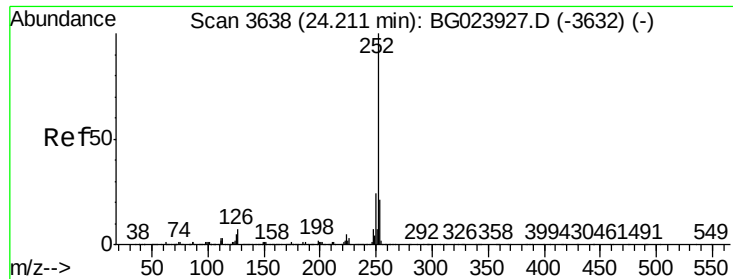
#87
Benzo(b)fluoranthene
Concen: 8.63 ng
RT: 24.09 min Scan# 3617
Delta R.T. 0.01 min
Lab File: BG024061.D
Acq: 21 Sep 2016 18:58

Tgt	Ion:252	Resp:	207203
Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.9	28.3
125	7.8	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: 3.38 ng/mL

RT: 24.14 min Scan# 3627

Delta R.T. -0.01 min

Lab File: BG024061.D

Acq: 21 Sep 2016 18:58

Instrument :

BNA_G

ClientSampleId :

YORK-TP1-03

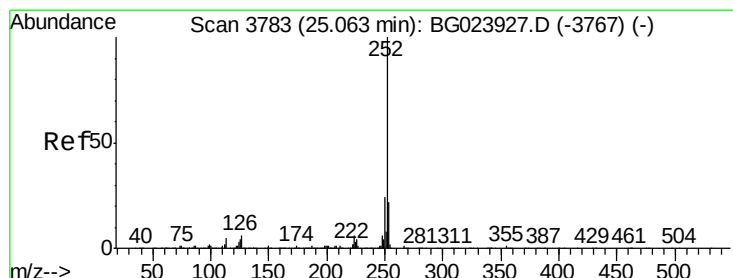
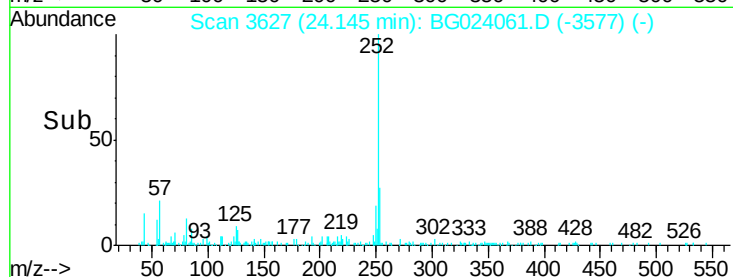
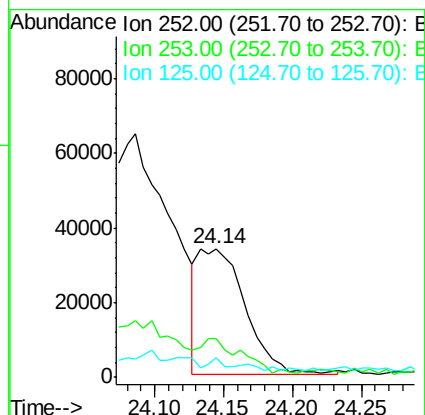
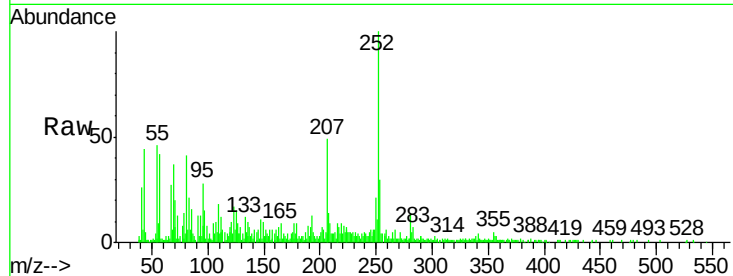
Tot Ion:252 Resp: 80381

Ion Ratio Lower Upper

252 100

253 29.8 18.8 28.2#

125 15.2 3.2 4.8#



#89

Benzo(a)pyrene

Concen: 6.99 ng/mL

RT: 24.99 min Scan# 3771

Delta R.T. 0.00 min

Lab File: BG024061.D

Acq: 21 Sep 2016 18:58

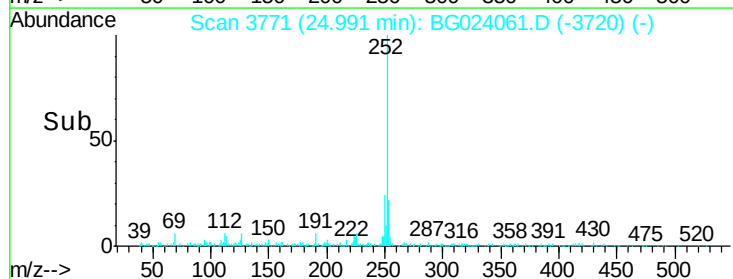
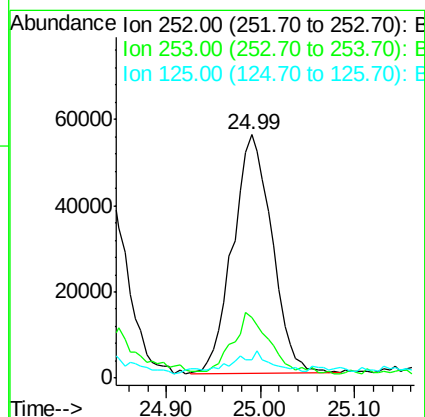
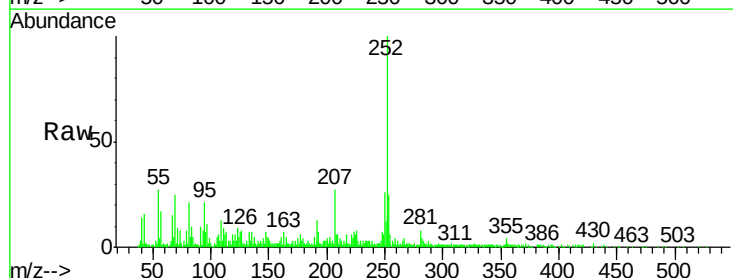
Tgt Ion:252 Resp: 159471

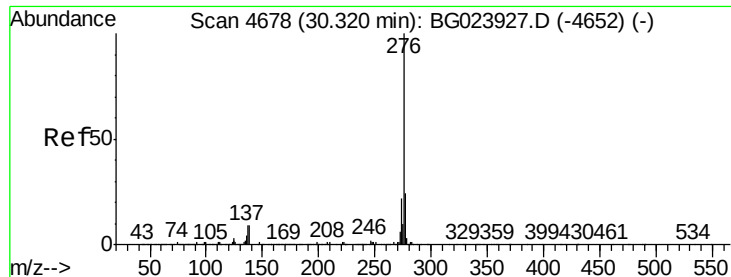
Ion Ratio Lower Upper

252 100

253 25.0 18.7 28.1

125 7.4 3.9 5.9#





#91

Benzo(a,h,i)perylene

Concen: 4.78 ng

RT: 30.21 min Scan# 4660

Delta R.T. 0.05 min

Lab File: BG024061.D

Acq: 21 Sep 2016 18:58

Instrument :

BNA_G

ClientSampleId :

YORK-TP1-03

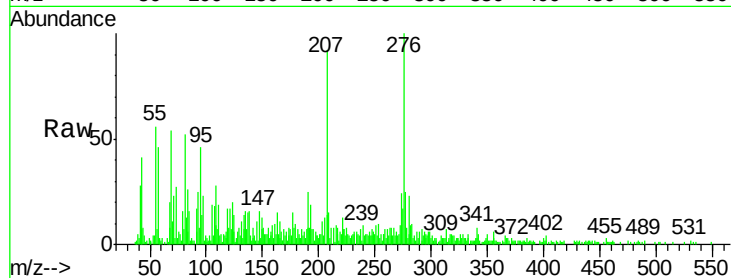
Tot Ion: 276 Resp: 103091

Ion Ratio Lower Upper

276 100

277 24.6 18.6 27.8

138 16.0 6.8 10.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

