

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092216\
 Data File : BG024073.D
 Acq On : 22 Sep 2016 17:47
 Operator : UM/SJ
 Sample : H4820-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 YORK-TP1-03

Quant Time: Sep 23 01:26:21 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

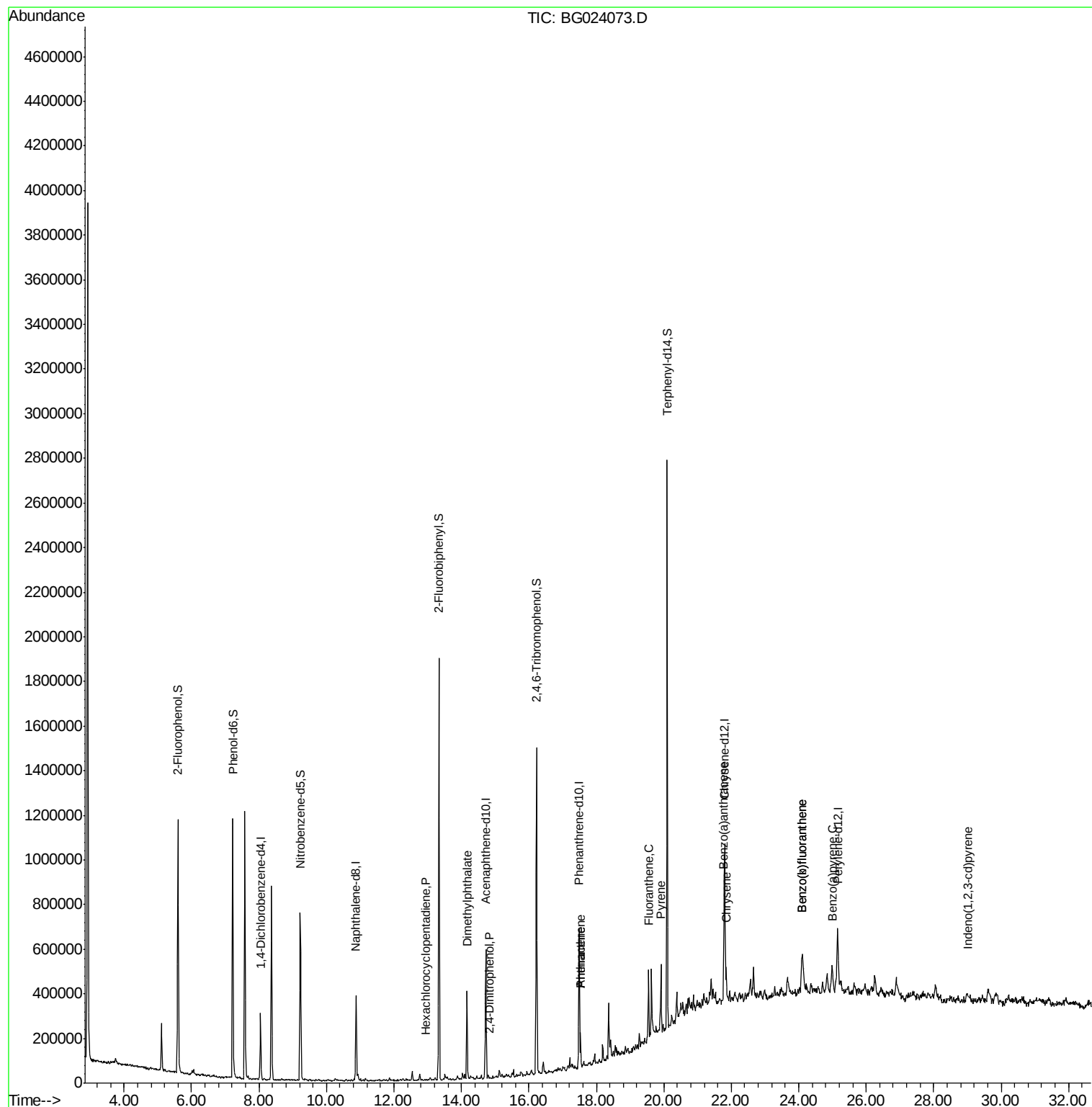
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	70130	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	297691	20.00	ng	-0.01
38) Acenaphthene-d10	14.72	164	207696	20.00	ng	0.00
63) Phenanthrene-d10	17.49	188	373372	20.00	ng	0.00
75) Chrysene-d12	21.80	240	383713	20.00	ng	0.00
86) Perylene-d12	25.15	264	348924	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	440179	110.20	ng	-0.01
7) Phenol-d6	7.22	99	683707	111.19	ng	0.00
23) Nitrobenzene-d5	9.22	82	503778	75.55	ng	-0.01
41) 2,4,6-Tribromophenol	16.23	330	255163	68.19	ng	0.00
44) 2-Fluorobiphenyl	13.33	172	897541	61.96	ng	-0.01
78) Terphenyl-d14	20.10	244	1086046	64.46	ng	0.00
Target Compounds						Qvalue
40) Hexachlorocyclopentadiene	12.94	237	110	7.11	ng	# 26
49) Dimethylphthalate	14.17	163	224972	12.63	ng	98
53) 2,4-Dinitrophenol	14.82	184	180	6.57	ng	# 42
70) Phenanthrene	17.54	178	94465	4.86	ng	98
71) Anthracene	17.54	178	94465	4.77	ng	98
74) Fluoranthene	19.55	202	187205	8.01	ng	94
77) Pyrene	19.91	202	202686	8.59	ng	92
80) Benzo(a)anthracene	21.78	228	134133	6.24	ng	91
82) Chrysene	21.85	228	129100	6.31	ng	96
85) Indeno(1,2,3-cd)pyrene	29.00	276	68192	3.01	ng	# 100
87) Benzo(b)fluoranthene	24.09	252	189413	9.56	ng	# 94
88) Benzo(k)fluoranthene	24.09	252	189413	9.64	ng	# 94
89) Benzo(a)pyrene	25.00	252	128922	6.85	ng	# 97

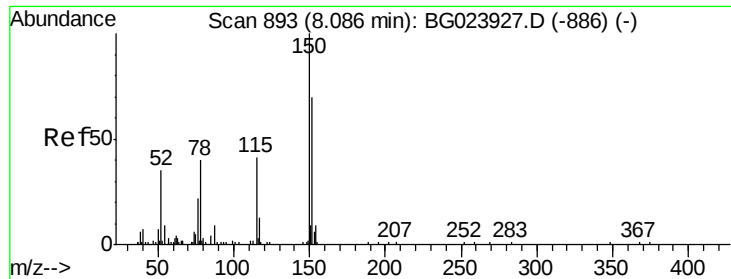
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.04 min Scan# 886

Delta R.T. -0.00 min

Lab File: BG024073.D

Acq: 22 Sep 2016 17:47

Instrument :

BNA_G

ClientSampleId :

YORK-TP1-03

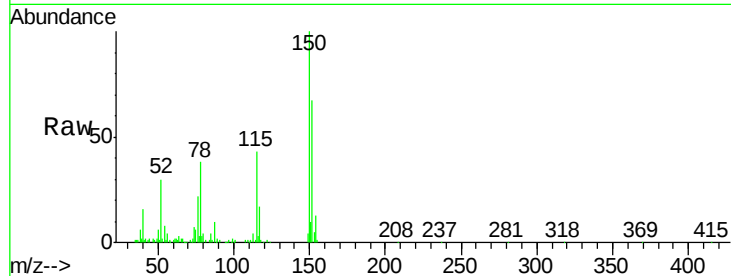
Tgt Ion:152 Resp: 70130

Ion Ratio Lower Upper

152 100

150 149.1 144.7 217.1

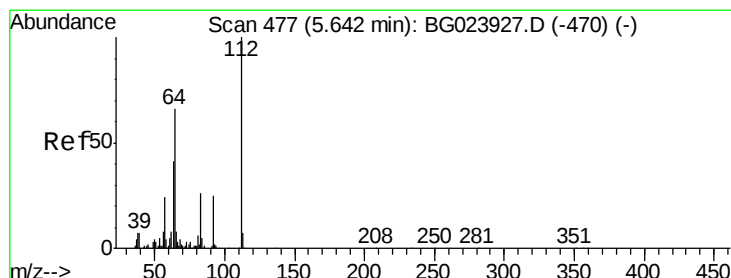
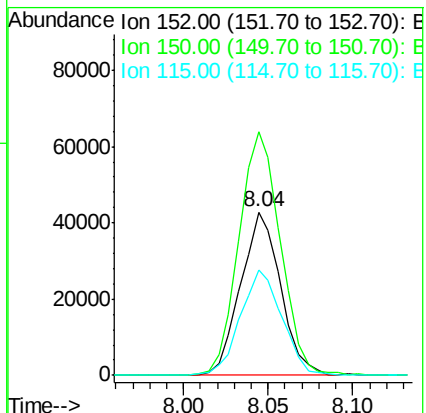
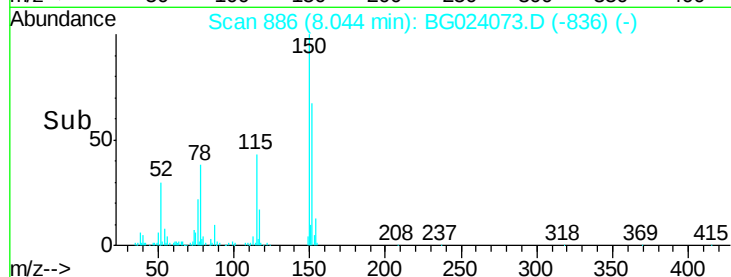
115 64.5 64.0 96.0



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: 110.20 ng

RT: 5.59 min Scan# 469

Delta R.T. -0.01 min

Lab File: BG024073.D

Acq: 22 Sep 2016 17:47

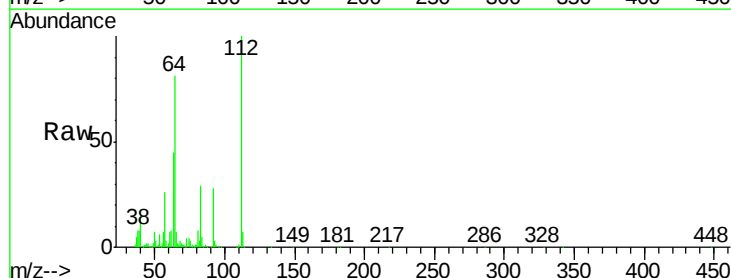
Tgt Ion:112 Resp: 440179

Ion Ratio Lower Upper

112 100

64 80.6 59.0 88.4

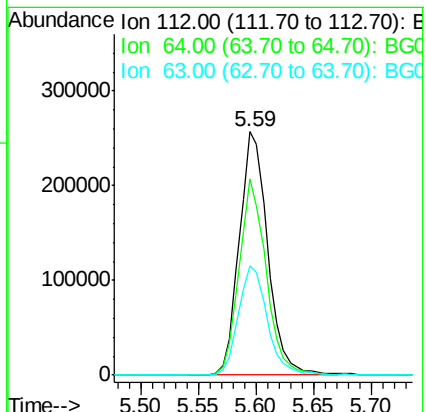
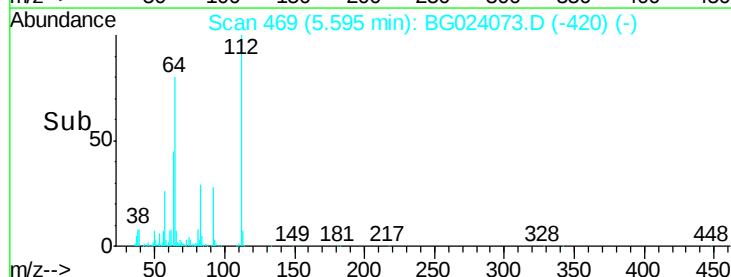
63 44.6 37.8 56.8

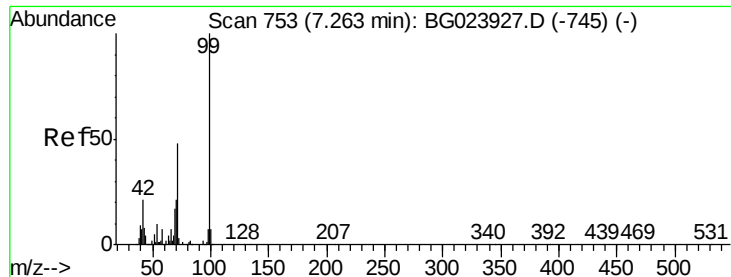


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 111.19 ng

RT: 7.22 min Scan# 746

Delta R.T. 0.00 min

Lab File: BG024073.D

Acq: 22 Sep 2016 17:47

Instrument :

BNA_G

ClientSampleId :

YORK-TP1-03

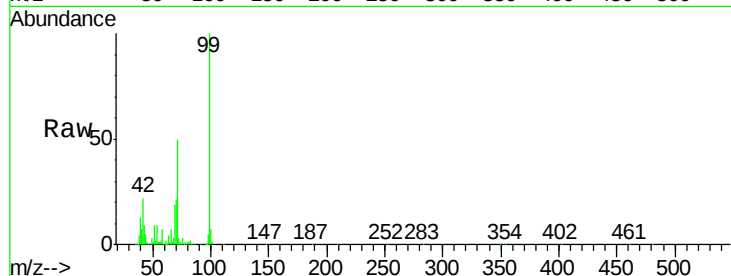
Tgt Ion: 99 Resp: 683707

Ion Ratio Lower Upper

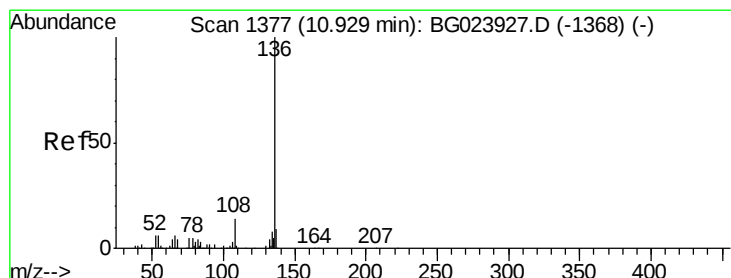
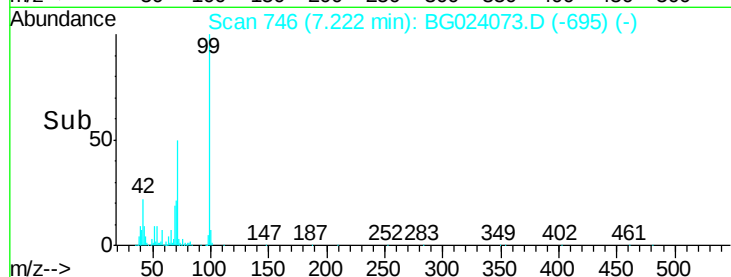
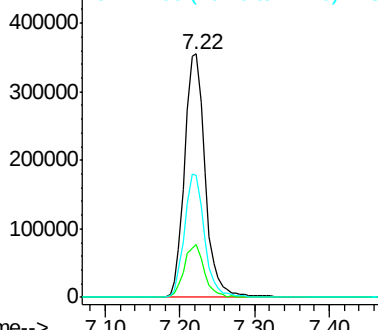
99 100

42 21.6 17.8 26.6

71 50.1 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: BG024073.D

Acq: 22 Sep 2016 17:47

Tgt Ion: 136 Resp: 297691

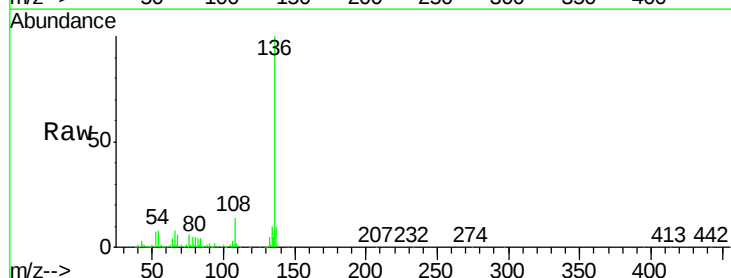
Ion Ratio Lower Upper

136 100

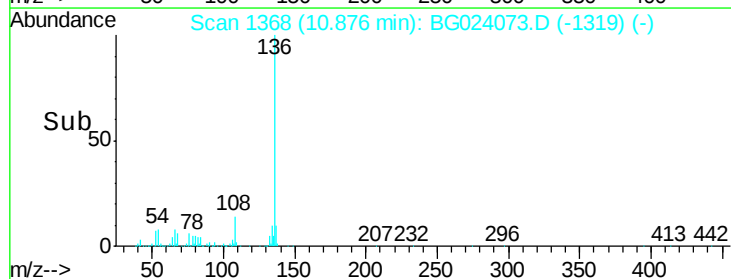
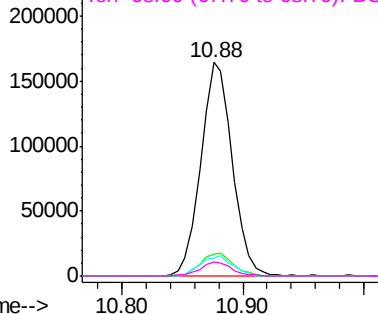
137 10.1 9.6 14.4

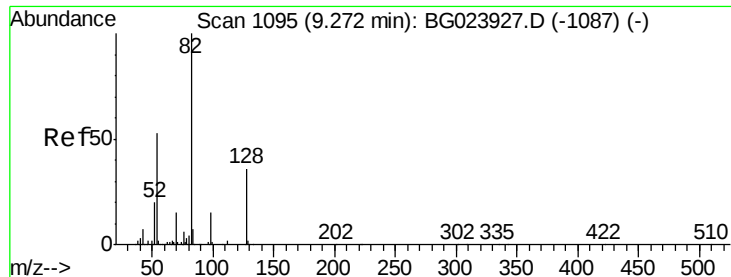
54 8.2 7.3 10.9

68 6.4 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

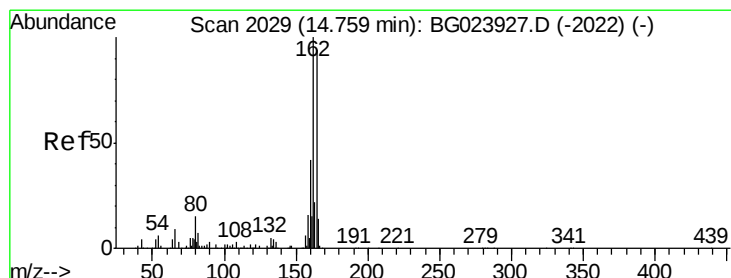
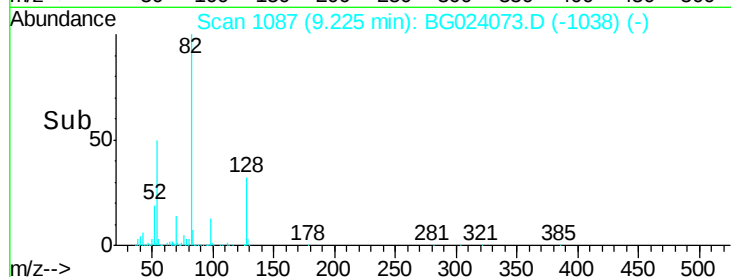
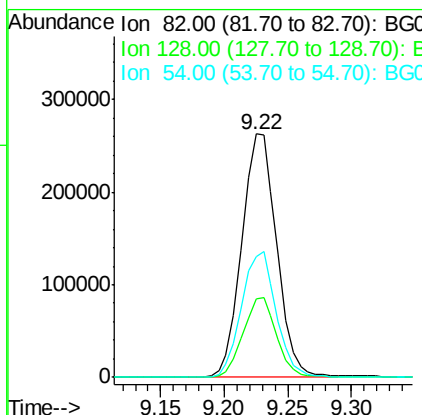
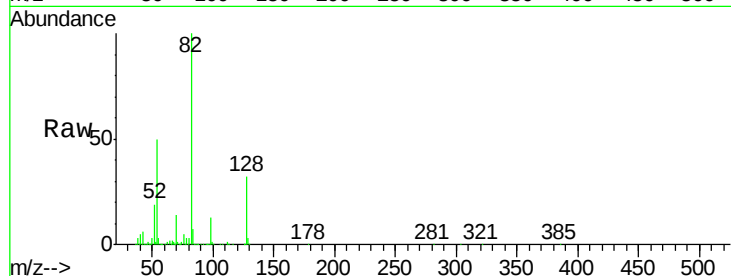




#23
 Nitrobenzene-d5
 Concen: 75.55 ng
 RT: 9.22 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: BG024073.D
 Acq: 22 Sep 2016 17:47

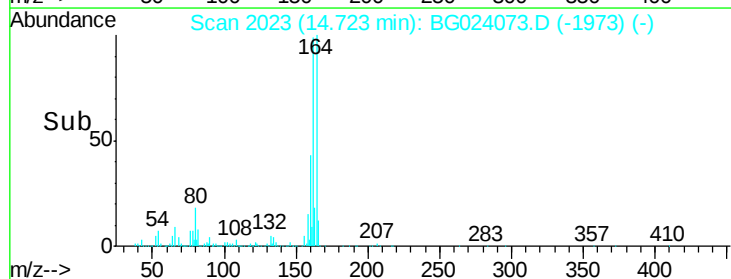
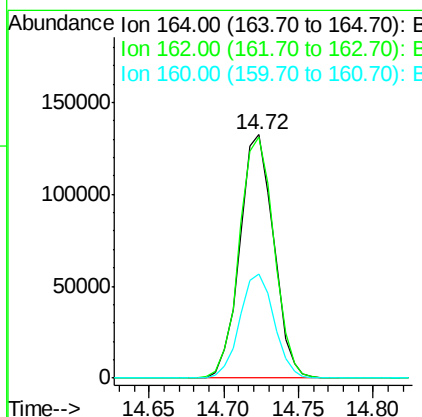
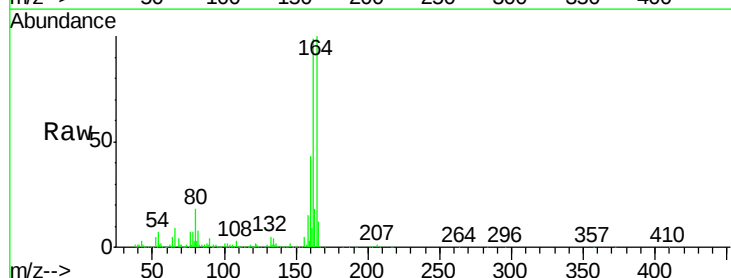
Instrument :
 BNA_G
 ClientSampleId :
 YORK-TP1-03

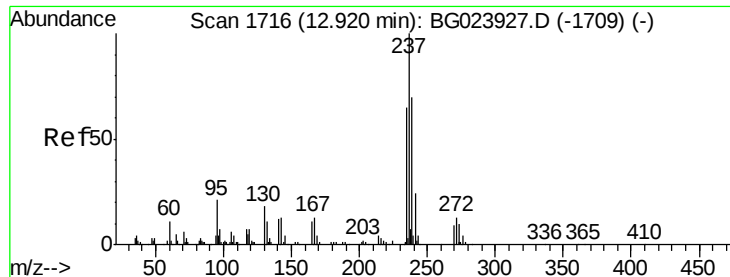
Tgt Ion	Ratio	Lower	Upper
82	100		
128	32.5	24.4	36.6
54	49.8	41.4	62.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.72 min Scan# 2023
 Delta R.T. -0.00 min
 Lab File: BG024073.D
 Acq: 22 Sep 2016 17:47

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.1	87.7	131.5
160	42.9	37.2	55.8





#40

Hexachlorocyclopentadiene

Concen: 7.11 ng

RT: 12.94 min Scan# 1720

Delta R.T. 0.06 min

Lab File: BG024073.D

Acq: 22 Sep 2016 17:47

Instrument :

BNA_G

ClientSampleId :

YORK-TP1-03

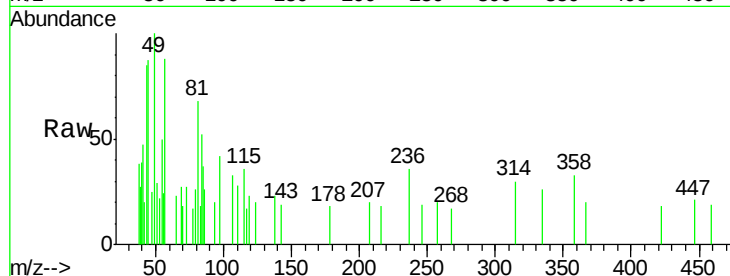
Tgt Ion:237 Resp: 110

Ion Ratio Lower Upper

237 100

235 0.0 43.1 83.1#

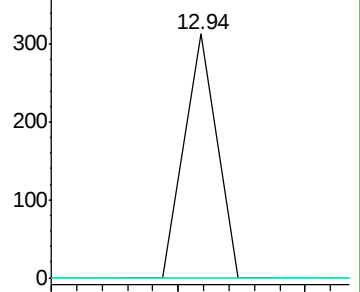
272 0.0 0.0 30.9



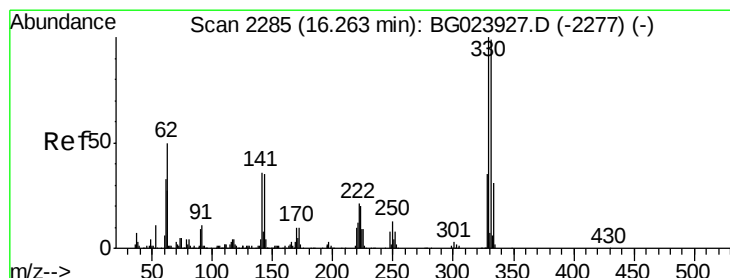
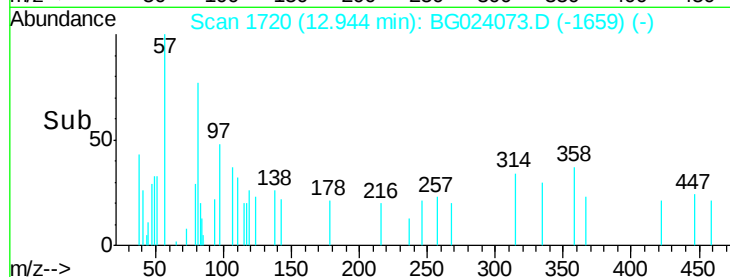
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



Time--> 12.92 12.94 12.96



#41

2,4,6-Tribromophenol

Concen: 68.19 ng

RT: 16.23 min Scan# 2279

Delta R.T. -0.00 min

Lab File: BG024073.D

Acq: 22 Sep 2016 17:47

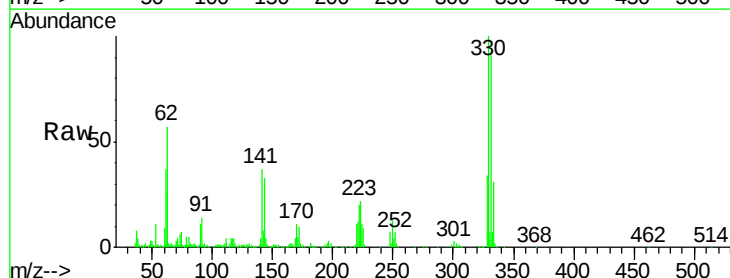
Tgt Ion:330 Resp: 255163

Ion Ratio Lower Upper

330 100

332 96.0 77.4 116.2

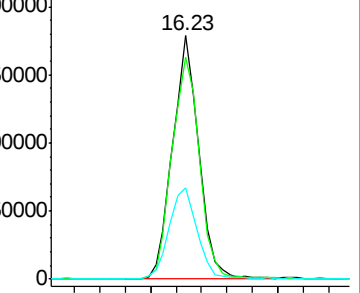
141 40.1 31.7 47.5



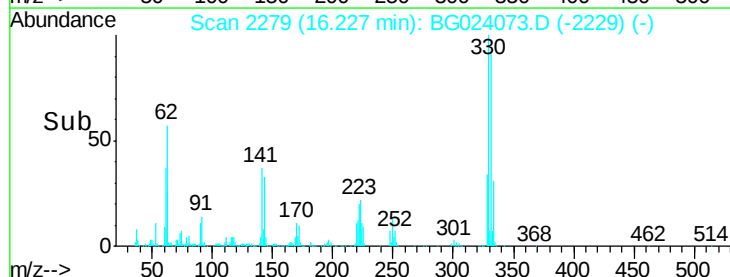
Abundance Ion 329.80 (329.50 to 330.50): E

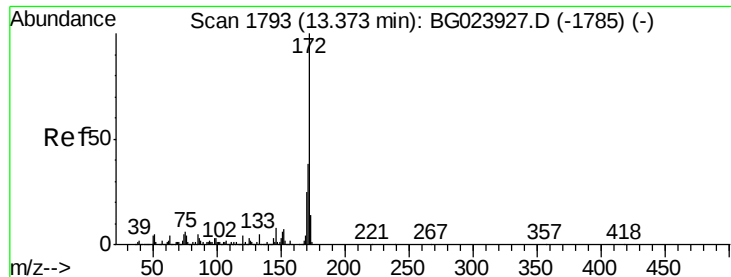
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



Time--> 16.20 16.23 16.30

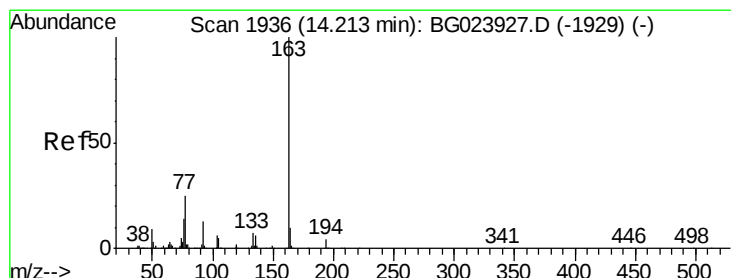
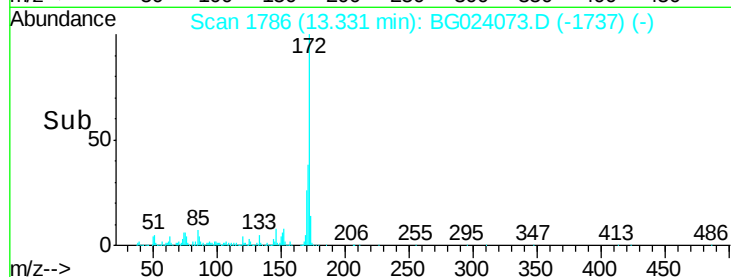
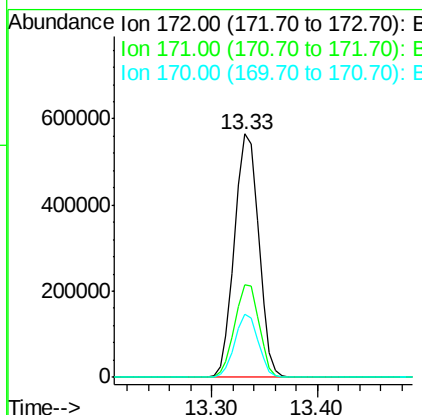
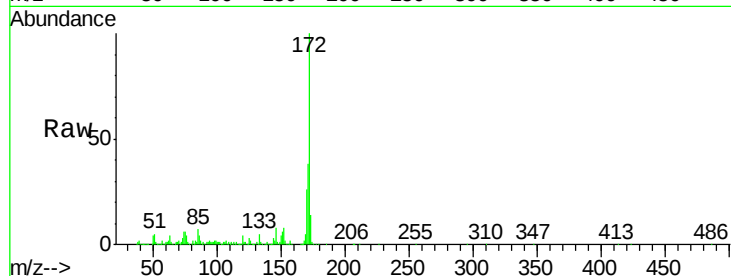




#44
2-Fluorobiphenyl
Concen: 61.96 ng
RT: 13.33 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BG024073.D
Acq: 22 Sep 2016 17:47

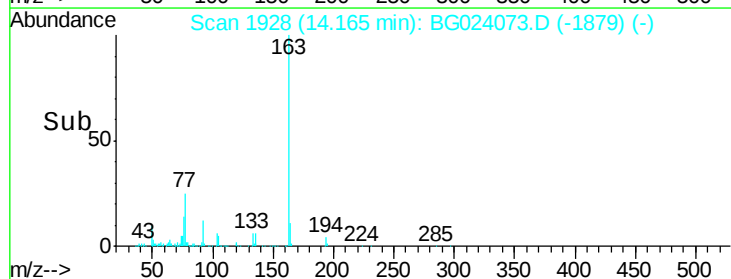
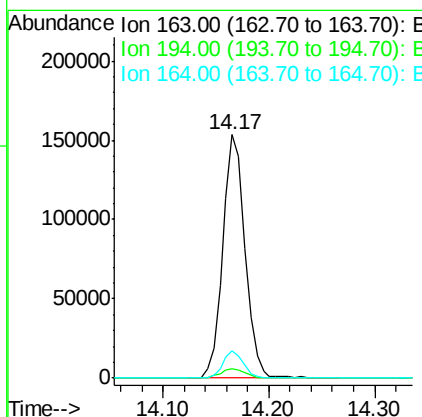
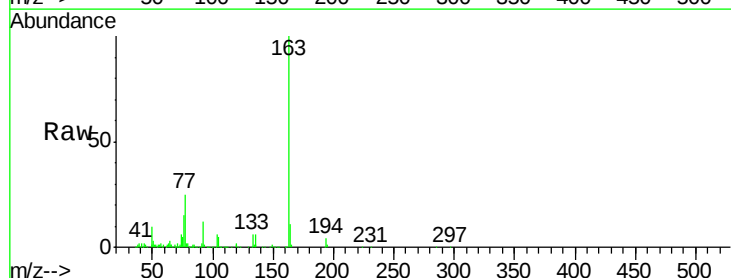
Instrument :
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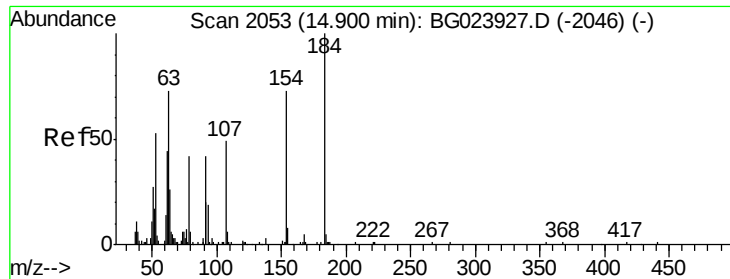
Tgt Ion:172 Resp: 897541
Ion Ratio Lower Upper
172 100
171 38.0 31.6 47.4
170 26.0 21.3 31.9



#49
Dimethylphthalate
Concen: 12.63 ng
RT: 14.17 min Scan# 1928
Delta R.T. -0.01 min
Lab File: BG024073.D
Acq: 22 Sep 2016 17:47

Tgt Ion:163 Resp: 224972
Ion Ratio Lower Upper
163 100
194 4.1 3.6 5.4
164 11.0 8.1 12.1

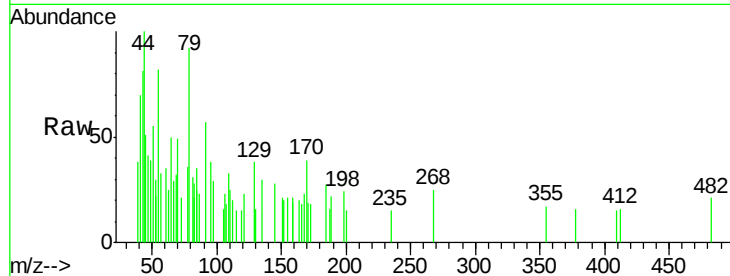




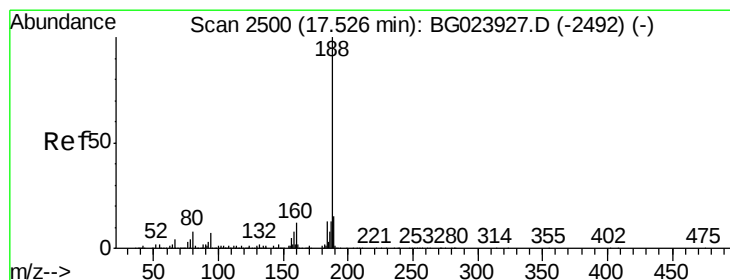
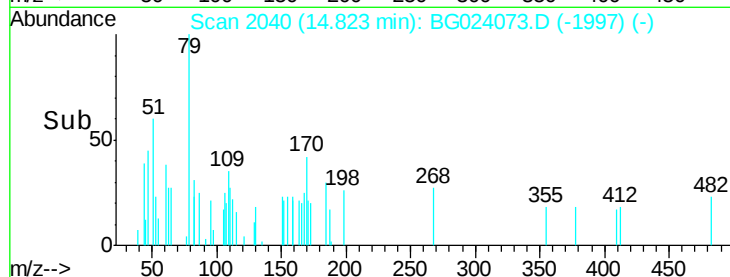
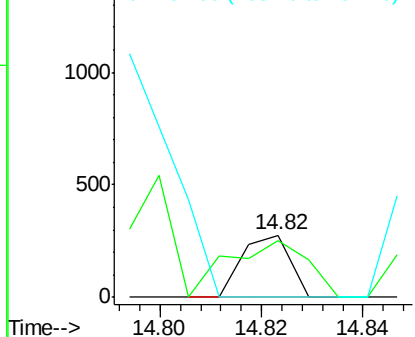
#53
 2,4-Dinitrophenol
 Concen: 6.57 ng
 RT: 14.82 min Scan# 2040
 Delta R.T. -0.05 min
 Lab File: BG024073.D
 Acq: 22 Sep 2016 17:47

Instrument :
 BNA_G
 ClientSampleId :
 YORK-TP1-03

Tgt Ion:184 Resp: 180
 Ion Ratio Lower Upper
 184 100
 63 90.9 59.6 89.4#
 154 0.0 67.4 101.0#

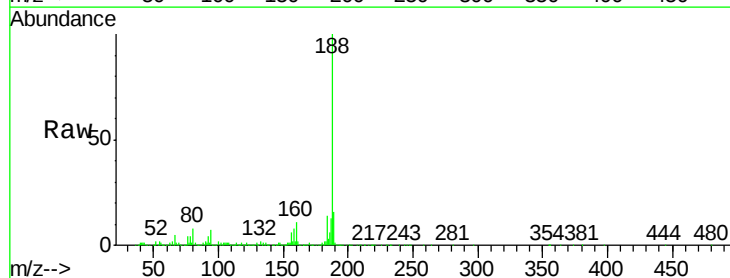


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 154.00 (153.70 to 154.70): E

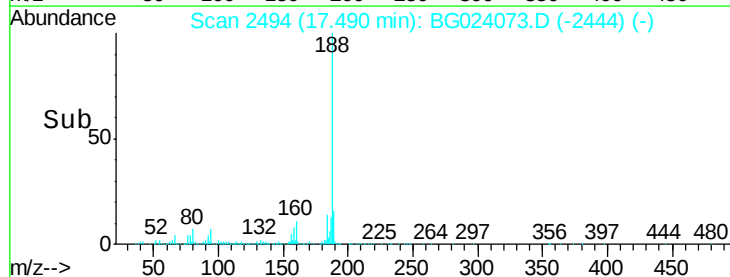
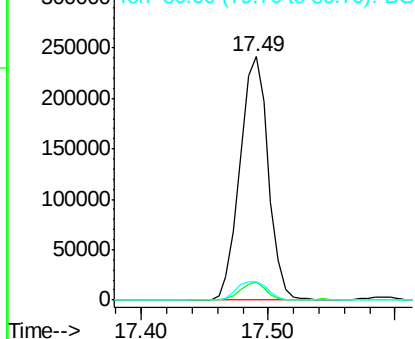


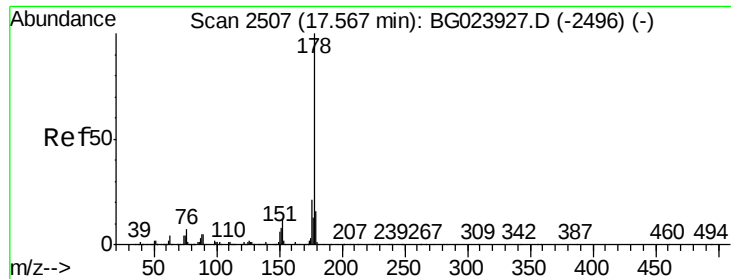
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.49 min Scan# 2494
 Delta R.T. -0.00 min
 Lab File: BG024073.D
 Acq: 22 Sep 2016 17:47

Tgt Ion:188 Resp: 373372
 Ion Ratio Lower Upper
 188 100
 94 7.4 5.2 7.8
 80 7.6 7.2 10.8



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BG
 Ion 80.00 (79.70 to 80.70): BG





#70

Phenanthrene

Concen: 4.86 ng

RT: 17.54 min Scan# 2502

Delta R.T. 0.00 min

Lab File: BG024073.D

Acq: 22 Sep 2016 17:47

Instrument :

BNA_G

ClientSampleId :

YORK-TP1-03

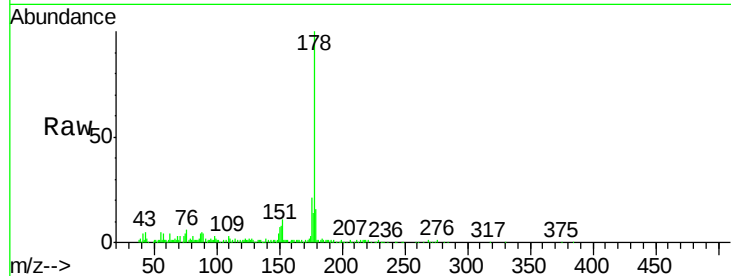
Tgt Ion:178 Resp: 94465

Ion Ratio Lower Upper

178 100

176 20.9 16.8 25.2

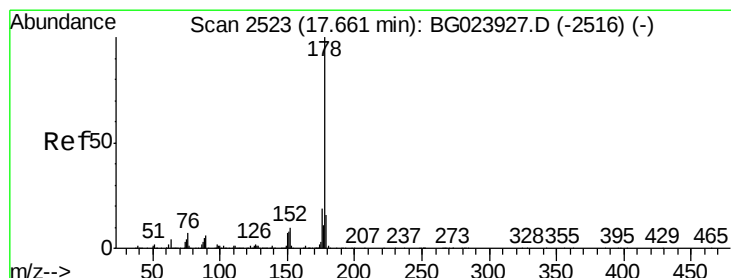
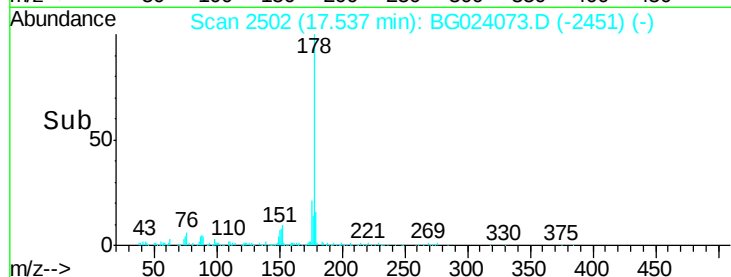
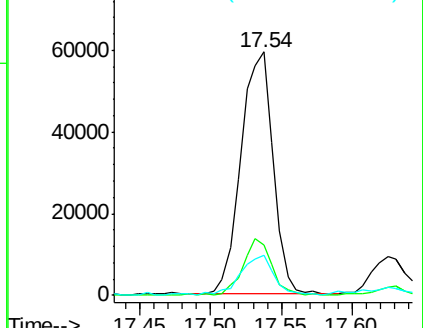
179 16.4 14.3 21.5



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: 4.77 ng

RT: 17.54 min Scan# 2502

Delta R.T. -0.09 min

Lab File: BG024073.D

Acq: 22 Sep 2016 17:47

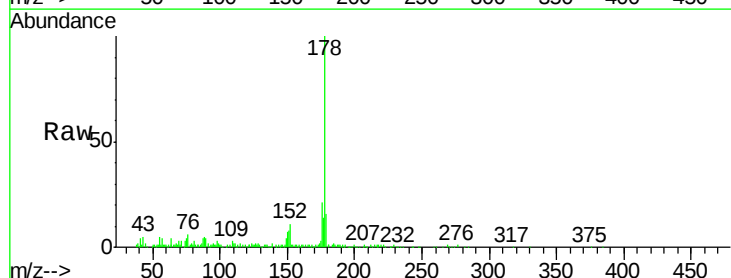
Tgt Ion:178 Resp: 94465

Ion Ratio Lower Upper

178 100

176 20.9 17.3 25.9

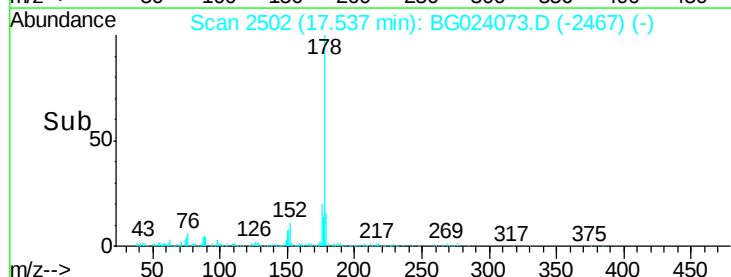
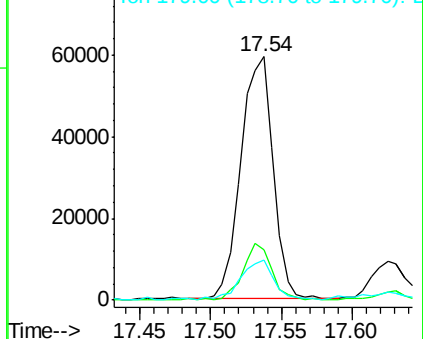
179 16.4 14.0 21.0

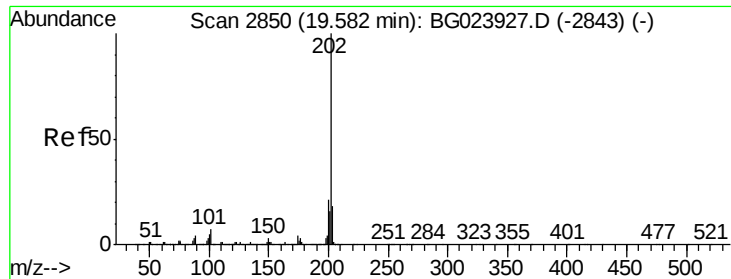


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 8.01 ng

RT: 19.55 min Scan# 2844

Delta R.T. -0.00 min

Lab File: BG024073.D

Acq: 22 Sep 2016 17:47

Instrument :

BNA_G

ClientSampleId :

YORK-TP1-03

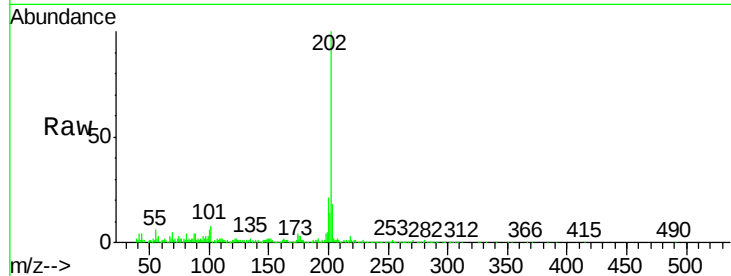
Tgt Ion:202 Resp: 187205

Ion Ratio Lower Upper

202 100

101 7.8 0.0 27.4

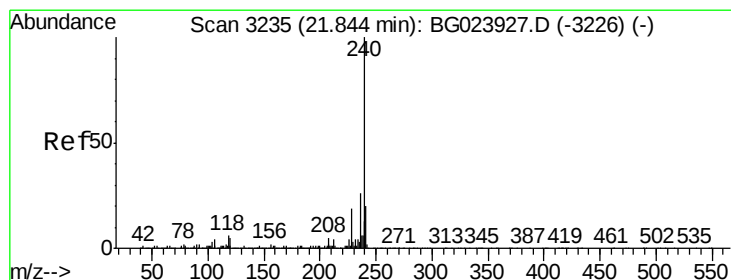
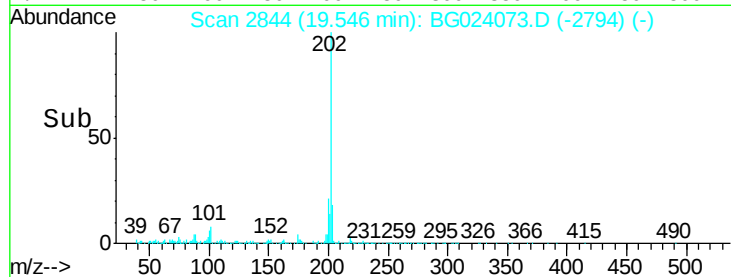
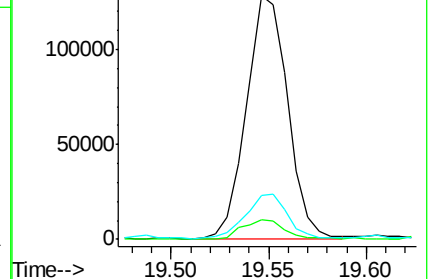
203 18.0 1.7 41.7



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: BG024073.D

Acq: 22 Sep 2016 17:47

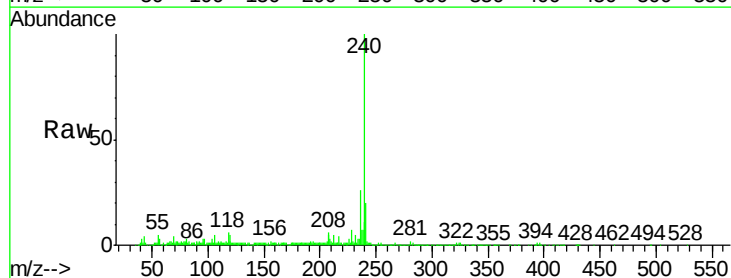
Tgt Ion:240 Resp: 383713

Ion Ratio Lower Upper

240 100

120 5.3 4.1 6.1

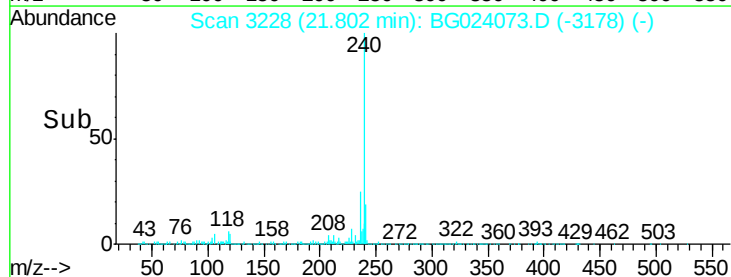
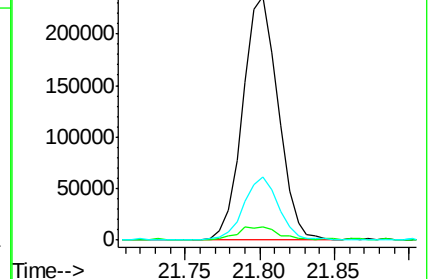
236 25.7 21.1 31.7

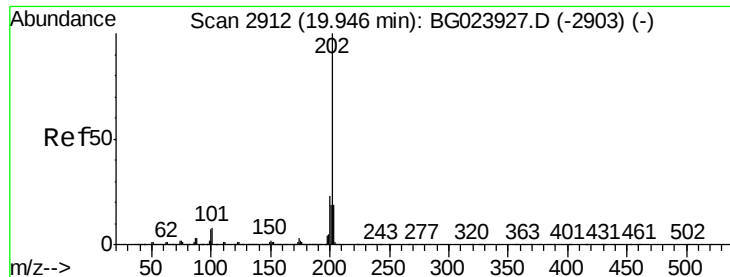


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 8.59 ng

RT: 19.91 min Scan# 2906

Delta R.T. -0.00 min

Lab File: BG024073.D

Acq: 22 Sep 2016 17:47

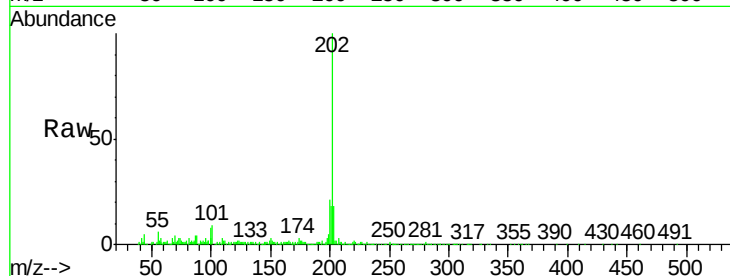
Instrument :

BNA_G

ClientSampleId :

YORK-TP1-03

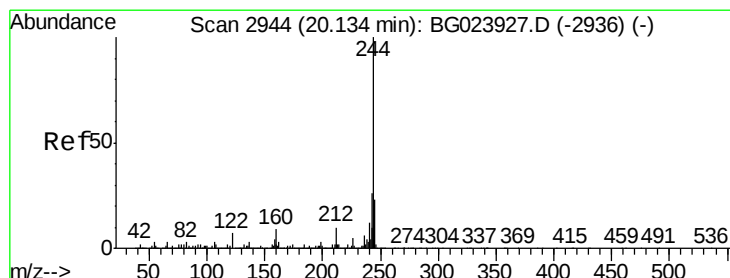
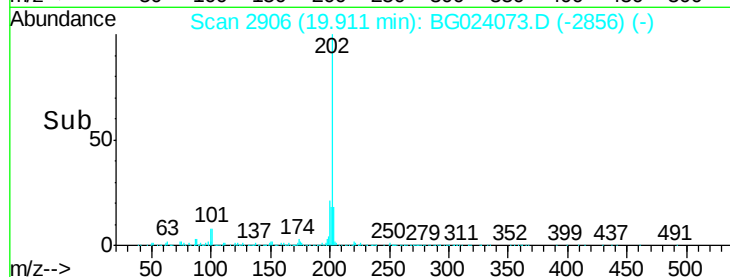
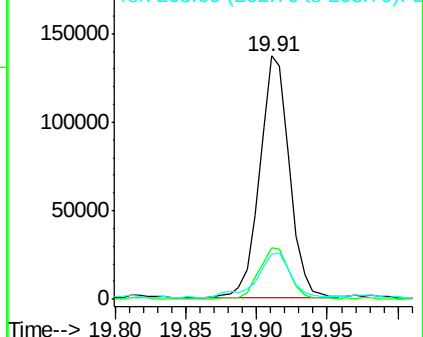
Tgt Ion:	202	Resp:	202686
Ion	Ratio	Lower	Upper
202	100		
200	21.4	21.2	31.8
203	18.5	16.8	25.2



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: 64.46 ng

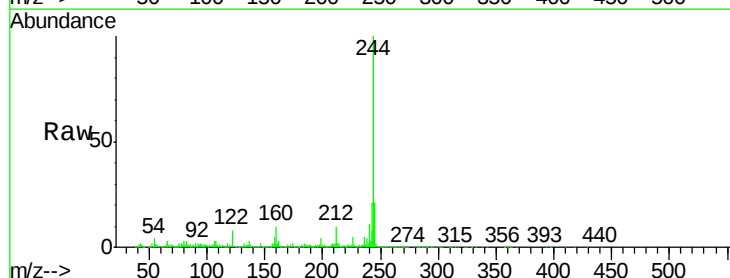
RT: 20.10 min Scan# 2938

Delta R.T. -0.00 min

Lab File: BG024073.D

Acq: 22 Sep 2016 17:47

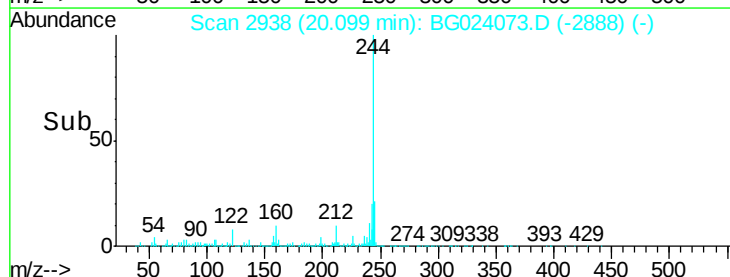
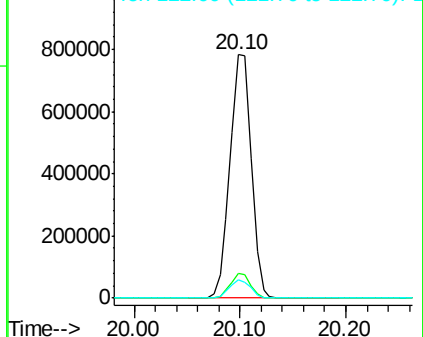
Tgt Ion:	244	Resp:	1086046
Ion	Ratio	Lower	Upper
244	100		
212	10.1	10.8	16.2#
122	7.6	8.0	12.0#

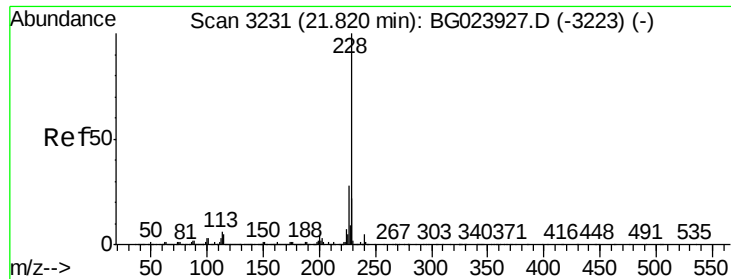


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

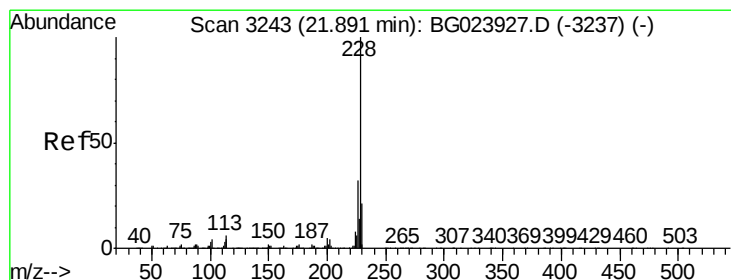
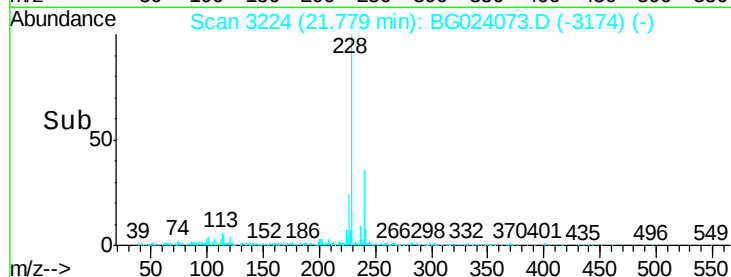
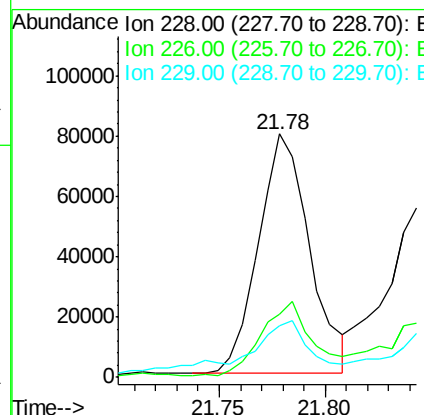
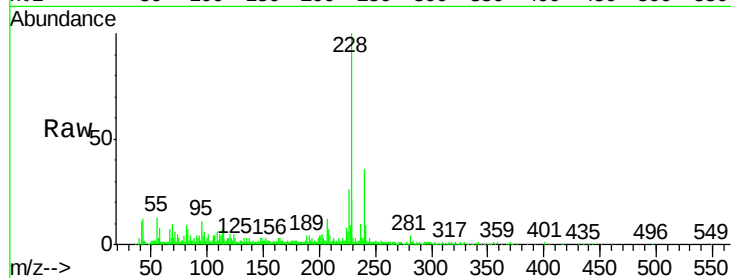




#80
Benzo(a)anthracene
Concen: 6.24 ng
RT: 21.78 min Scan# 3224
Delta R.T. -0.00 min
Lab File: BG024073.D
Acq: 22 Sep 2016 17:47

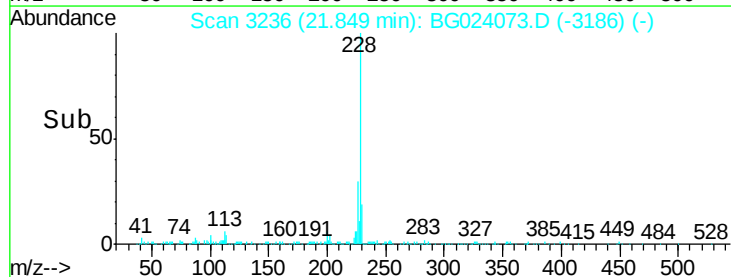
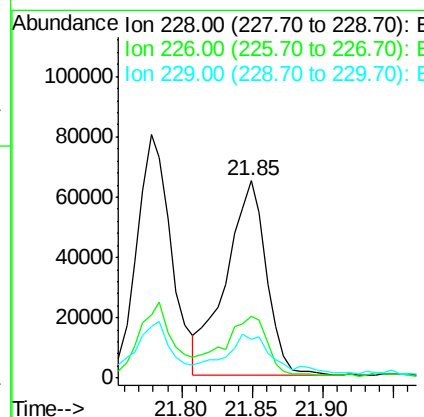
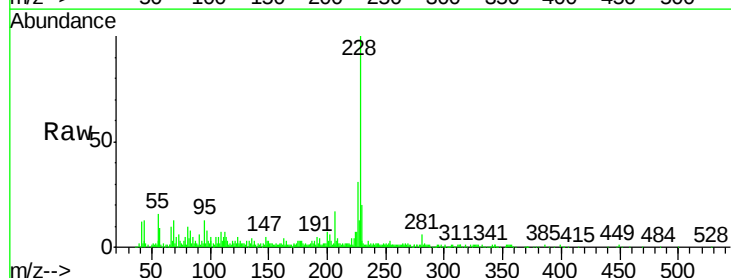
Instrument :
BNA_G
ClientSampleId :
YORK-TP1-03

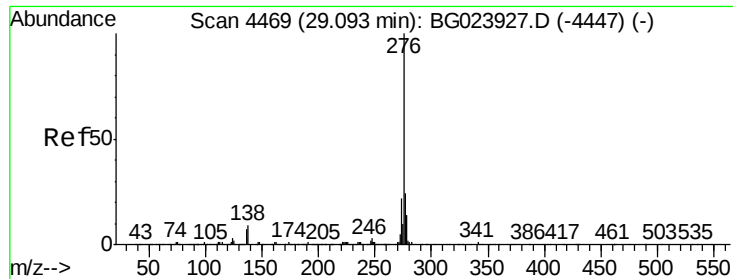
Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.8	25.3	37.9
229	21.4	19.9	29.9



#82
Chrysene
Concen: 6.31 ng
RT: 21.85 min Scan# 3236
Delta R.T. -0.00 min
Lab File: BG024073.D
Acq: 22 Sep 2016 17:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	26.7	40.1
229	20.0	17.4	26.2





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.01 ng

RT: 29.00 min Scan# 4453

Delta R.T. 0.03 min

Lab File: BG024073.D

Acq: 22 Sep 2016 17:47

Instrument :

BNA_G

ClientSampleId :

YORK-TP1-03

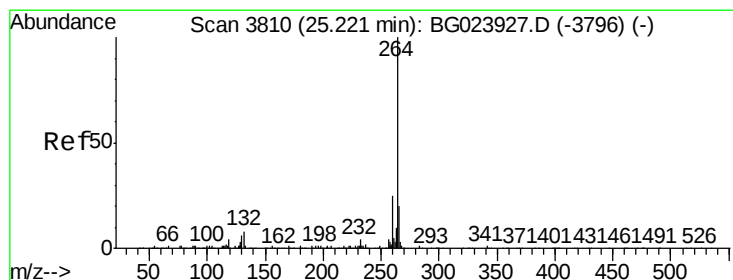
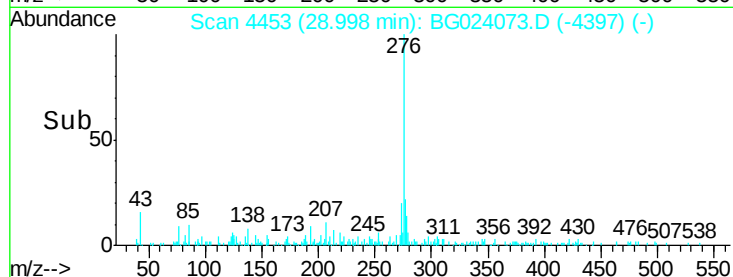
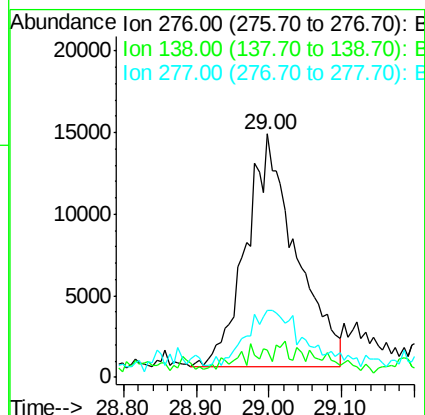
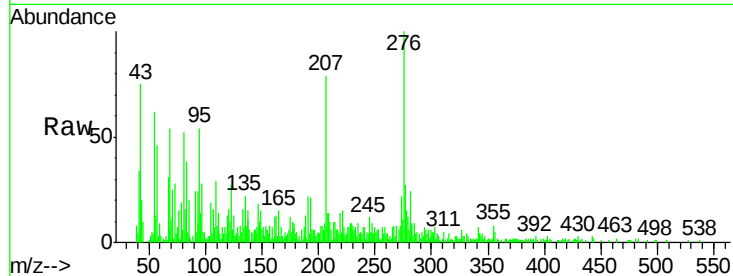
Tgt Ion:276 Resp: 68192

Ion Ratio Lower Upper

276 100

138 1.0 0.0 0.0#

277 24.4 0.0 0.0#



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.15 min Scan# 3798

Delta R.T. -0.00 min

Lab File: BG024073.D

Acq: 22 Sep 2016 17:47

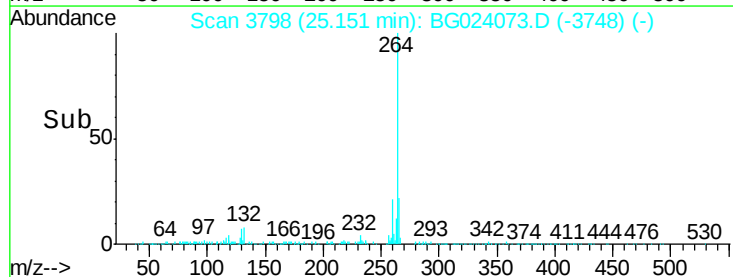
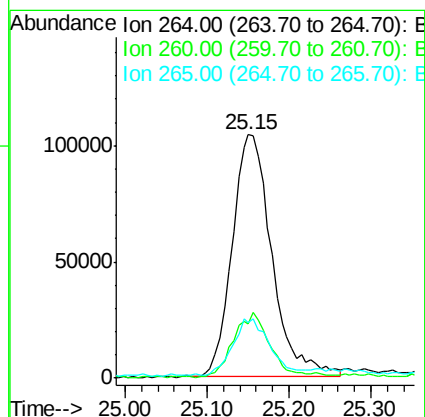
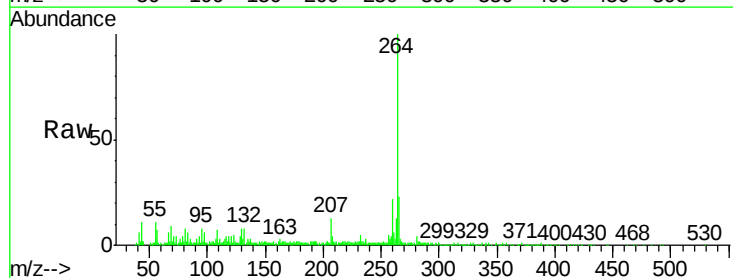
Tgt Ion:264 Resp: 348924

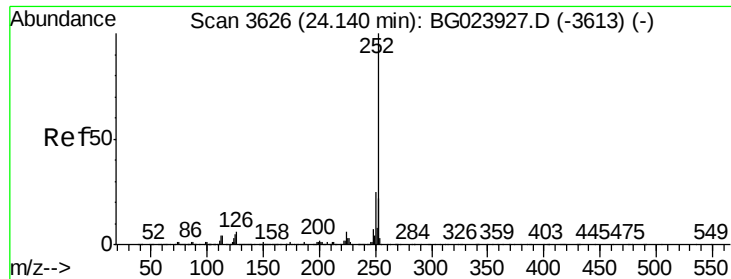
Ion Ratio Lower Upper

264 100

260 22.2 18.4 27.6

265 22.5 18.9 28.3





#87

Benzo(b)fluoranthene

Concen: 9.56 ng

RT: 24.09 min Scan# 3617

Delta R.T. 0.01 min

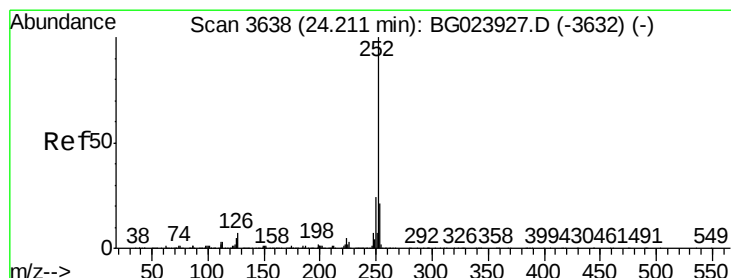
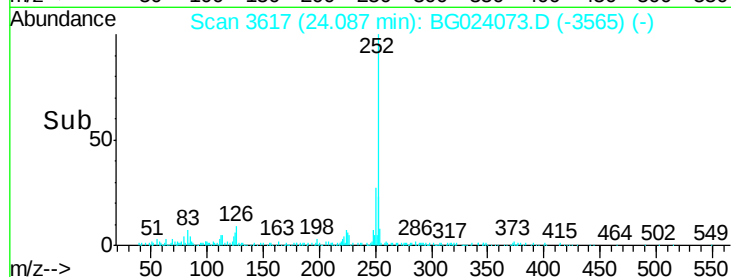
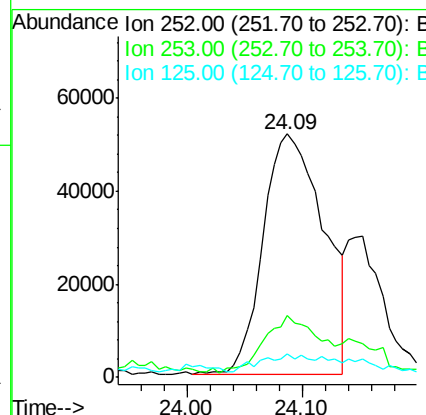
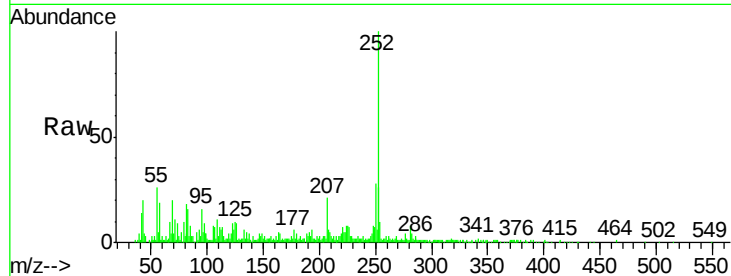
Lab File: BG024073.D

Acq: 22 Sep 2016 17:47

Instrument :
BNA_G
ClientSampleId :
YORK-TP1-03

Tgt Ion:252 Resp: 189413

Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.9	28.3
125	9.8	3.9	5.9#



#88

Benzo(k)fluoranthene

Concen: 9.64 ng

RT: 24.09 min Scan# 3617

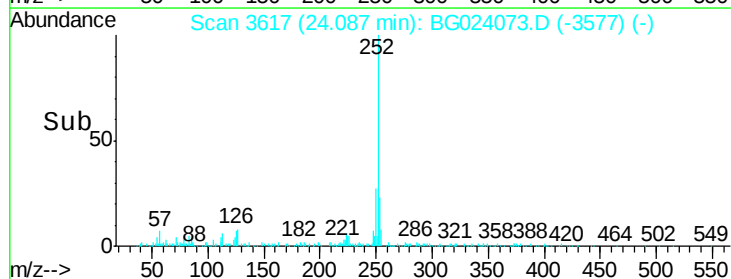
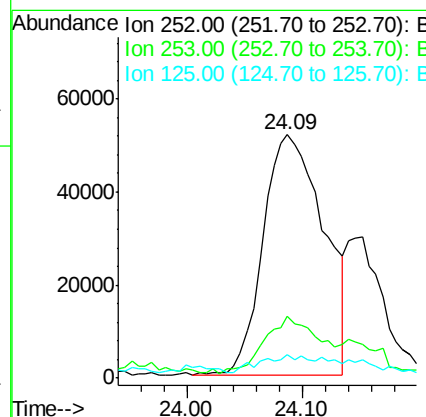
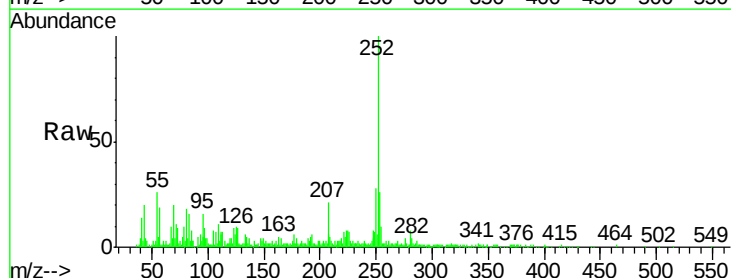
Delta R.T. -0.06 min

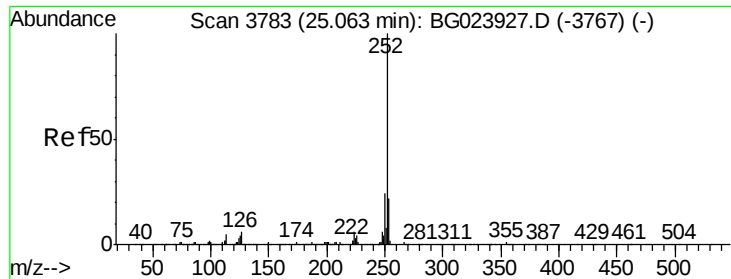
Lab File: BG024073.D

Acq: 22 Sep 2016 17:47

Tgt Ion:252 Resp: 189413

Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.8	28.2
125	9.8	3.2	4.8#





#89

Benzo(a)pyrene

Concen: 6.85 ng

RT: 25.00 min Scan# 3772

Delta R.T. 0.01 min

Lab File: BG024073.D

Acq: 22 Sep 2016 17:47

Instrument :

BNA_G

ClientSampleId :

YORK-TP1-03

Tgt Ion: 252 Resp: 128922

Ion Ratio Lower Upper

252 100

253 24.3 18.7 28.1

125 7.8 3.9 5.9#

