

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 18:41:49 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

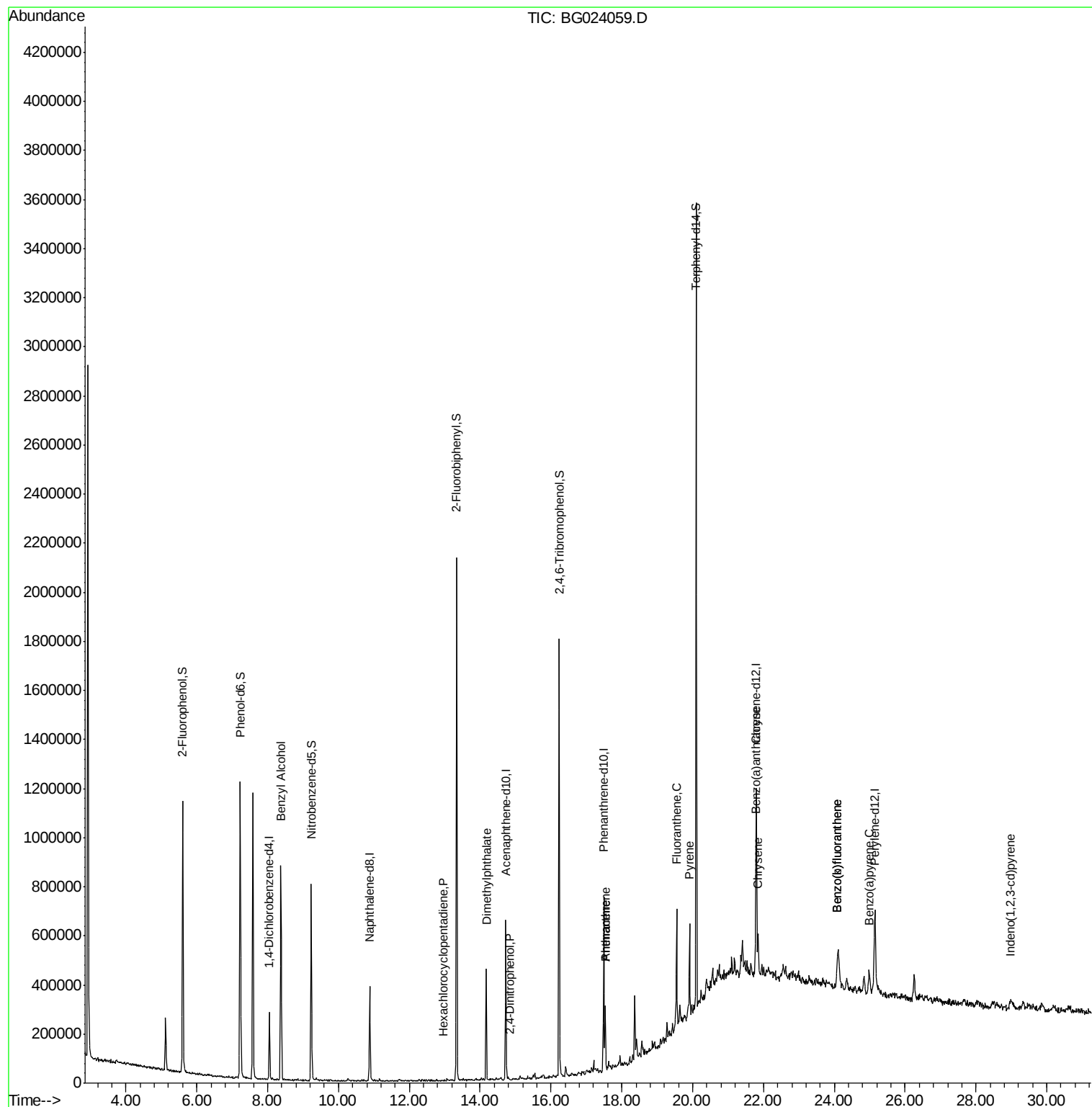
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	65306	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	293114	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	221785	20.00	ng	0.00
63) Phenanthrene-d10	17.49	188	414344	20.00	ng	0.00
75) Chrysene-d12	21.80	240	437667	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
15) Benzyl Alcohol	8.37	79	10150	2.01	ng	# 58
40) Hexachlorocyclopentadiene	12.95	237	149	7.11	ng	# 26
49) Dimethylphthalate	14.17	163	272383	14.32	ng	99
53) 2,4-Dinitrophenol	14.83	184	94	6.54	ng	# 10
70) Phenanthrene	17.53	178	147038	6.82	ng	97
71) Anthracene	17.53	178	147038	6.69	ng	98
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	24.08	252	166642	6.91	ng	# 97
89) Benzo(a)pyrene	24.98	252	114757	4.97	ng	# 95

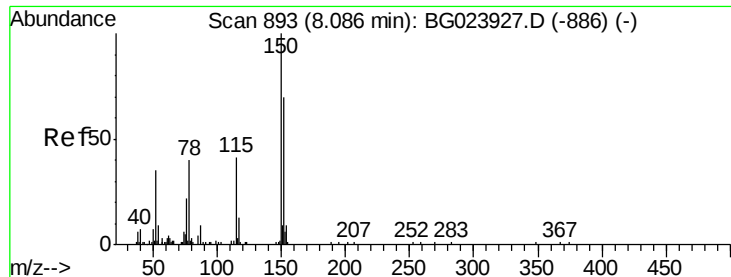
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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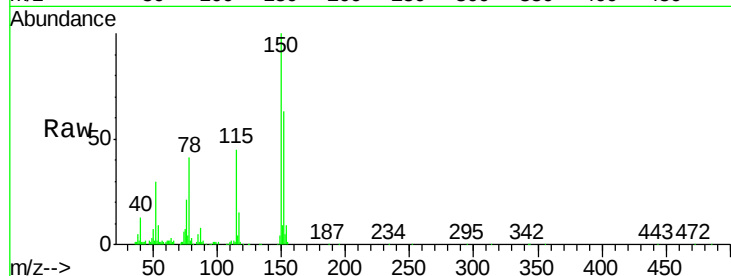


#1

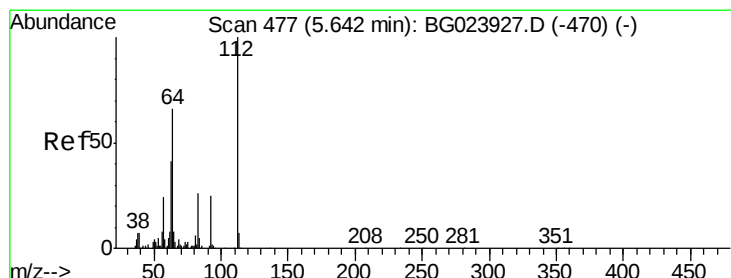
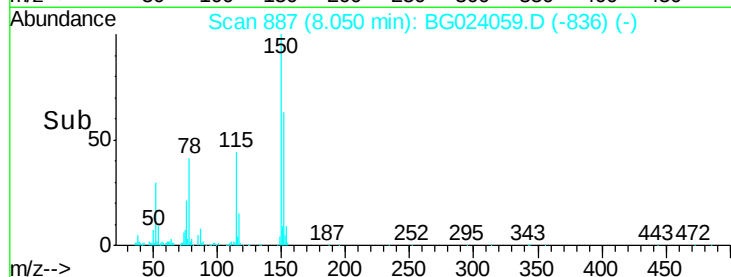
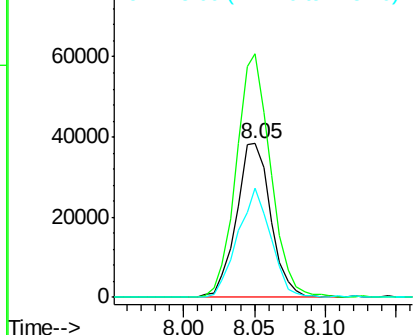
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.05 min Scan# 887
Delta R.T. 0.00 min
Lab File: BG024059.D
Acq: 21 Sep 2016 17:43

Instrument :
BNA_G
ClientSampleId :
YORK-SB3-04

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



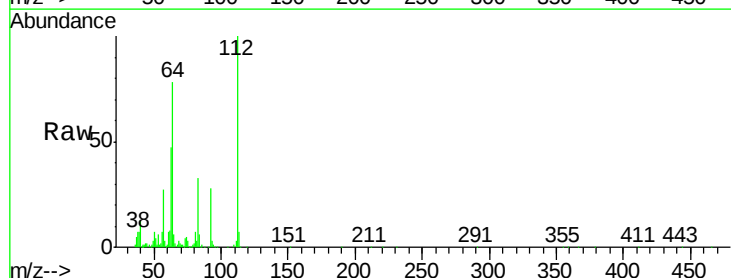
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



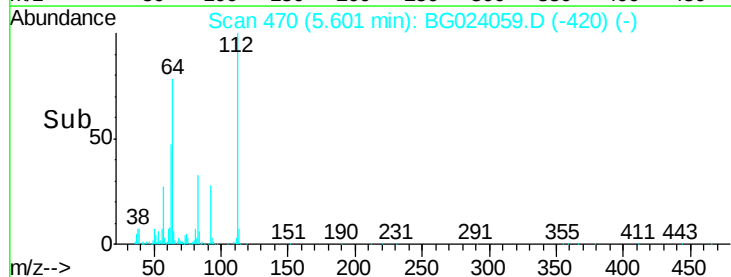
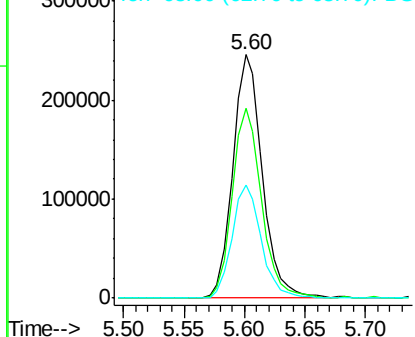
#5

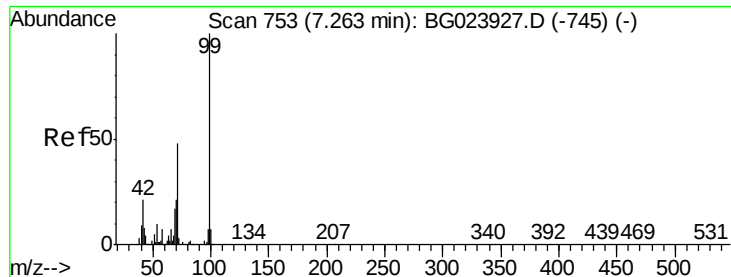
2-Fluorophenol
Concen: 112.21 ng
RT: 5.60 min Scan# 470
Delta R.T. -0.00 min
Lab File: BG024059.D
Acq: 21 Sep 2016 17:43

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



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: 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

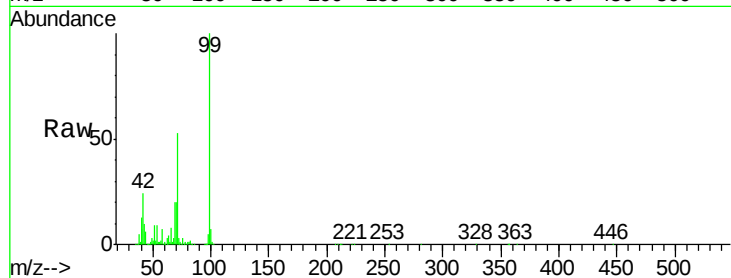
Tgt Ion: 99 Resp: 659027

Ion Ratio Lower Upper

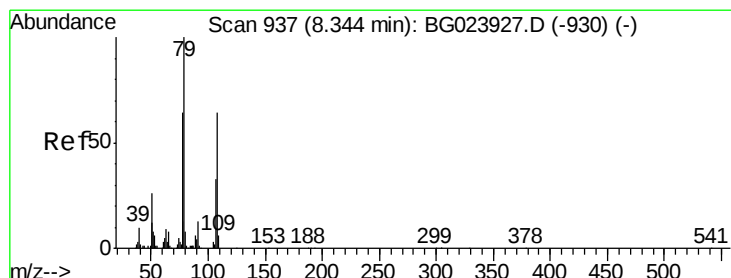
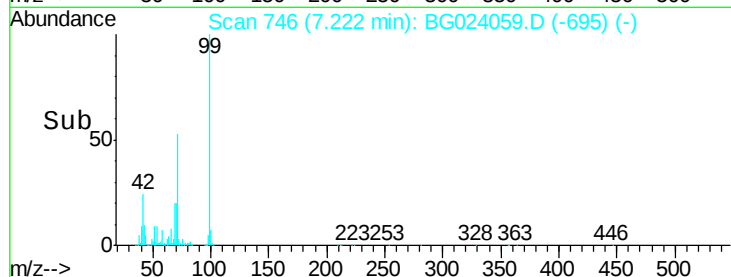
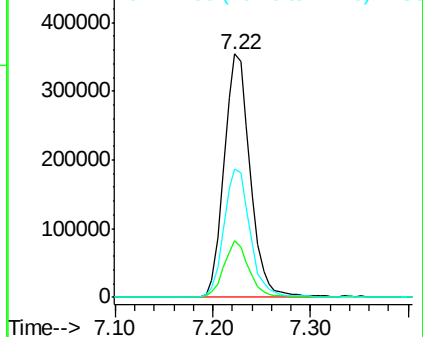
99 100

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



#15

Benzyl Alcohol

Concen: 2.01 ng

RT: 8.37 min Scan# 942

Delta R.T. 0.07 min

Lab File: BG024059.D

Acq: 21 Sep 2016 17:43

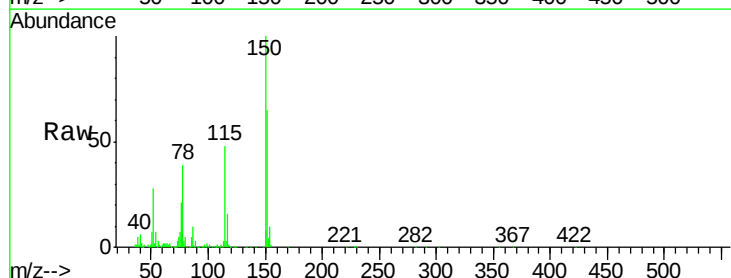
Tgt Ion: 79 Resp: 10150

Ion Ratio Lower Upper

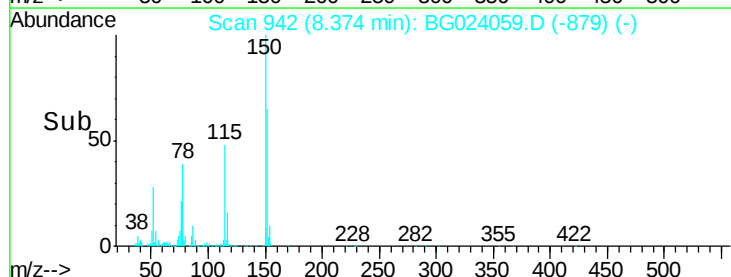
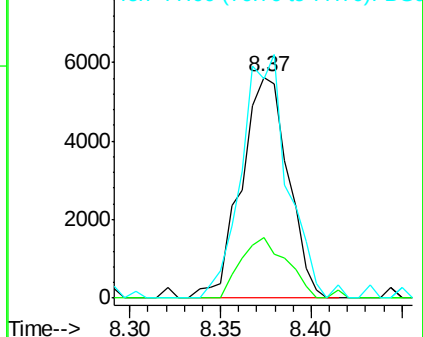
79 100

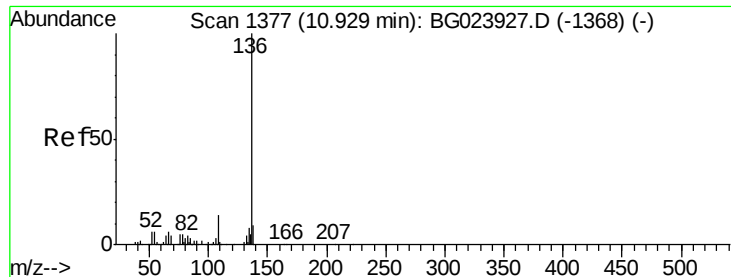
108 27.4 46.5 69.7#

77 99.6 52.3 78.5#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

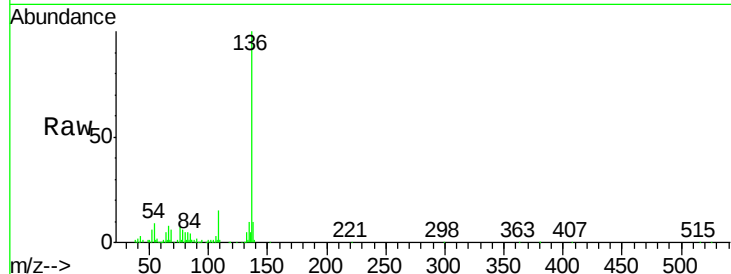




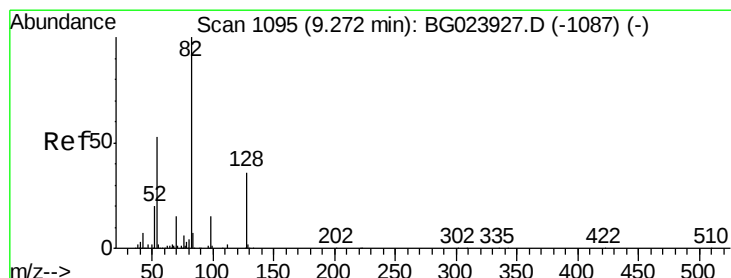
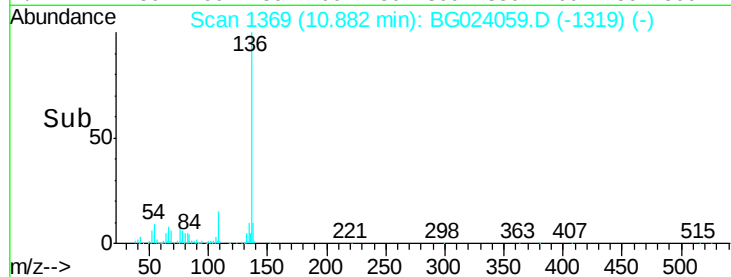
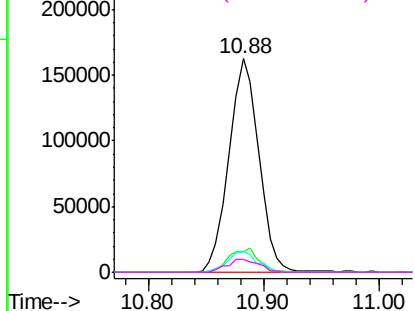
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.88 min Scan# 1369
Delta R.T. -0.00 min
Lab File: BG024059.D
Acq: 21 Sep 2016 17:43

Instrument :
BNA_G
ClientSampleId :
YORK-SB3-04

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

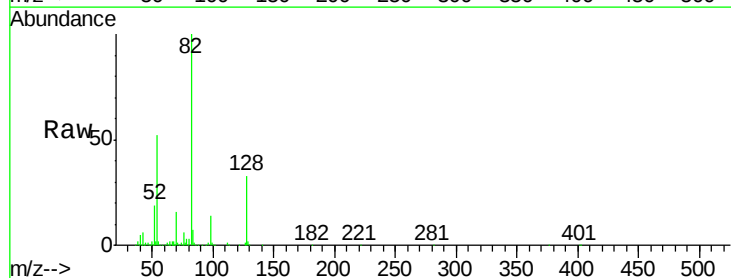


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

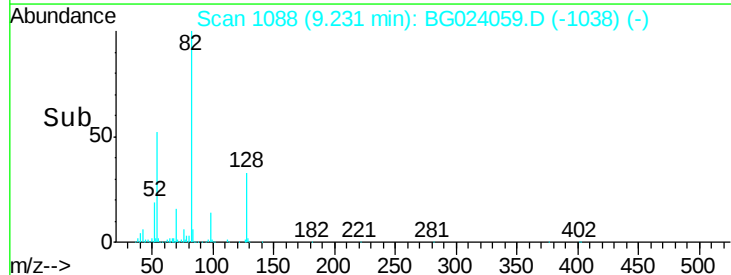
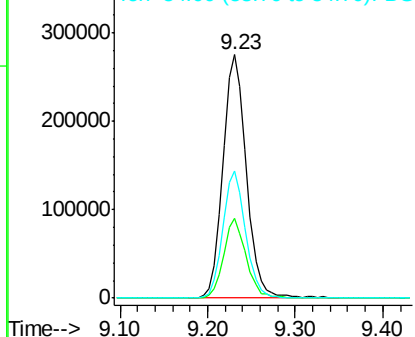


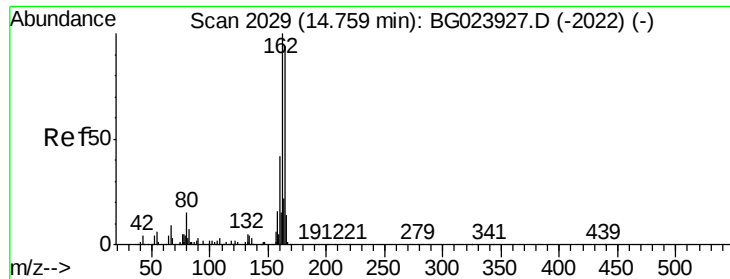
#23
Nitrobenzene-d5
Concen: 77.29 ng
RT: 9.23 min Scan# 1088
Delta R.T. -0.00 min
Lab File: BG024059.D
Acq: 21 Sep 2016 17:43

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



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC





#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

Instrument :

BNA_G

ClientSampleId :

YORK-SB3-04

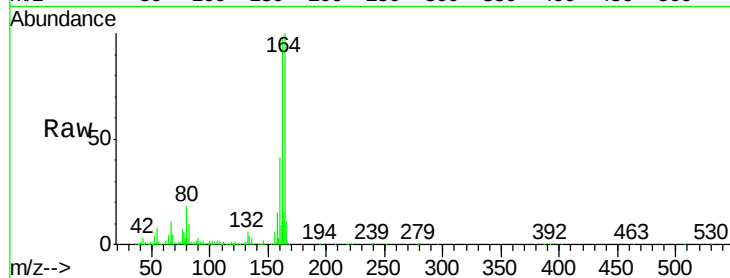
Tgt Ion:164 Resp: 221785

Ion Ratio Lower Upper

164 100

162 98.4 87.7 131.5

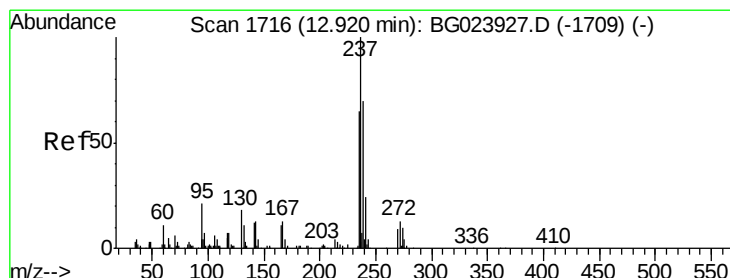
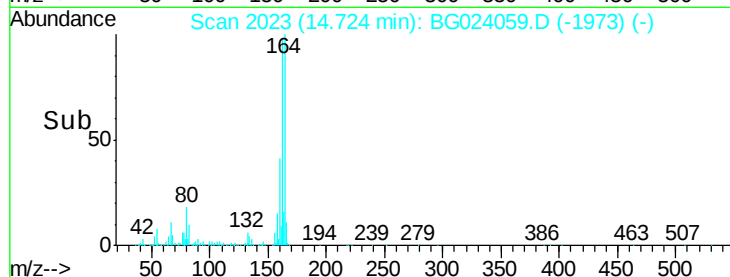
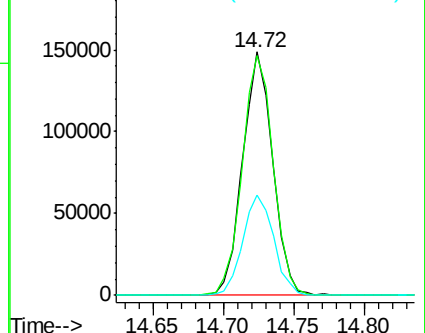
160 41.1 37.2 55.8



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



#40

Hexachlorocyclopentadiene

Concen: 7.11 ng

RT: 12.95 min Scan# 1721

Delta R.T. 0.07 min

Lab File: BG024059.D

Acq: 21 Sep 2016 17:43

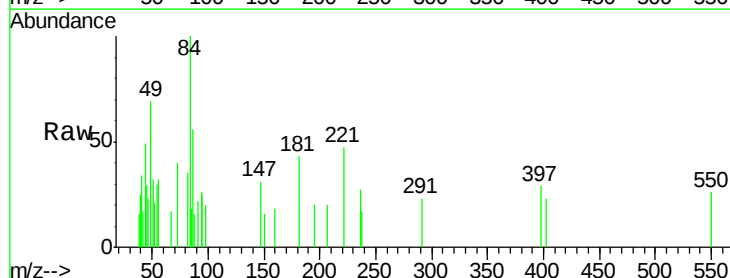
Tgt Ion:237 Resp: 149

Ion Ratio Lower Upper

237 100

235 0.0 43.1 83.1#

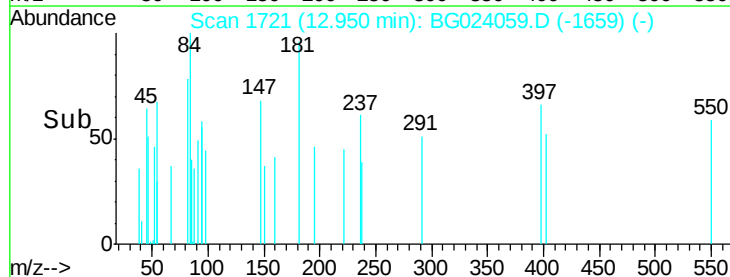
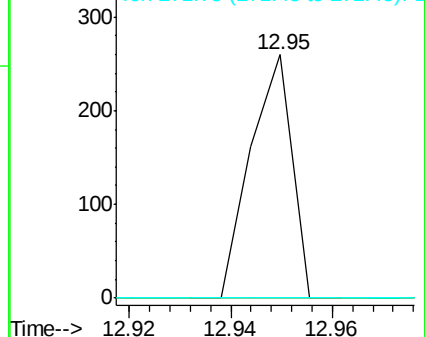
272 0.0 0.0 30.9

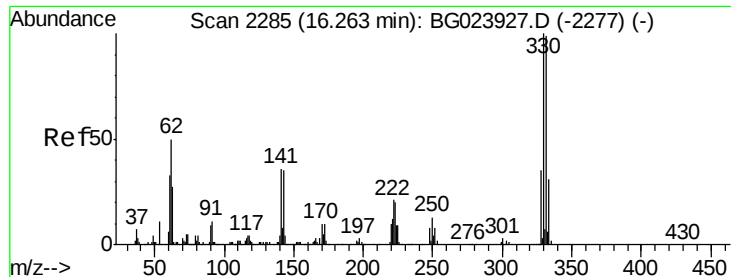


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

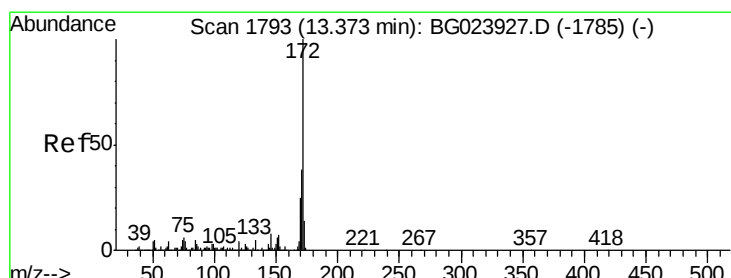
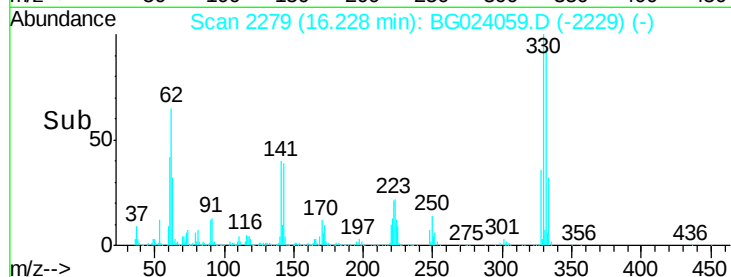
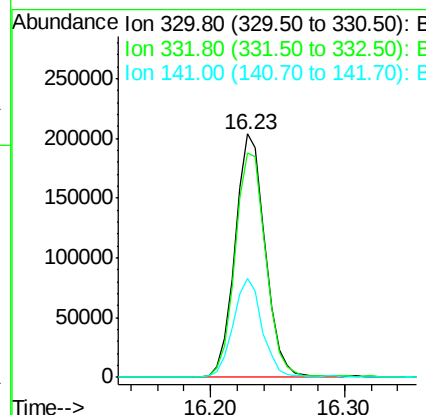
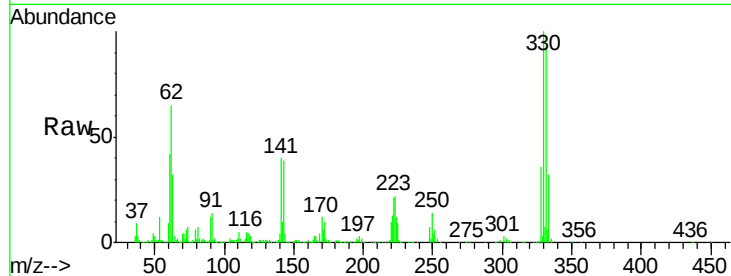




#41
 2,4,6-Tribromophenol
 Concen: 80.28 ng
 RT: 16.23 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: BG024059.D
 Acq: 21 Sep 2016 17:43

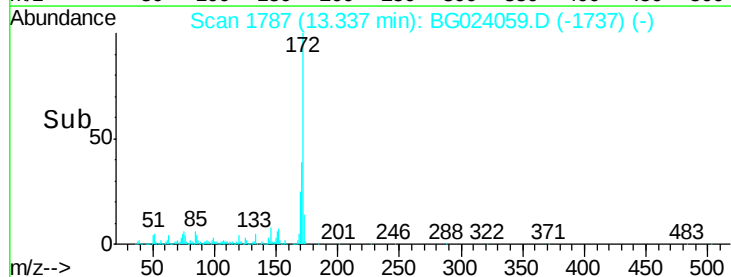
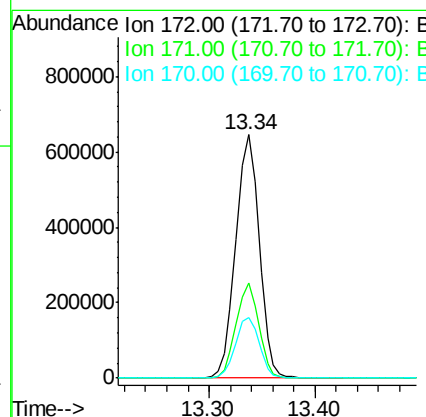
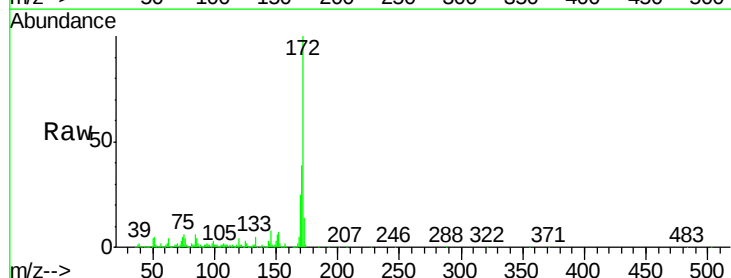
Instrument :
 BNA_G
 ClientSampleId :
 YORK-SB3-04

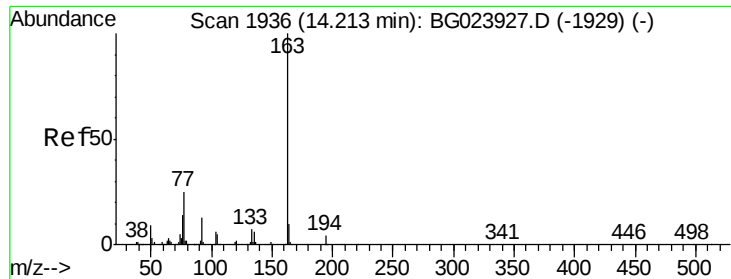
Tgt Ion:330 Resp: 320800
 Ion Ratio Lower Upper
 330 100
 332 94.2 77.4 116.2
 141 38.8 31.7 47.5



#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:172 Resp: 989451
 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

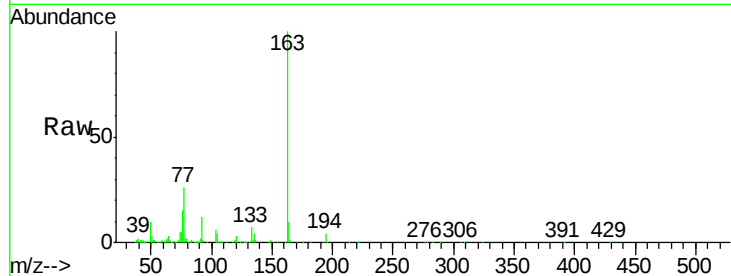
Tgt Ion:163 Resp: 272383

Ion Ratio Lower Upper

163 100

194 4.0 3.6 5.4

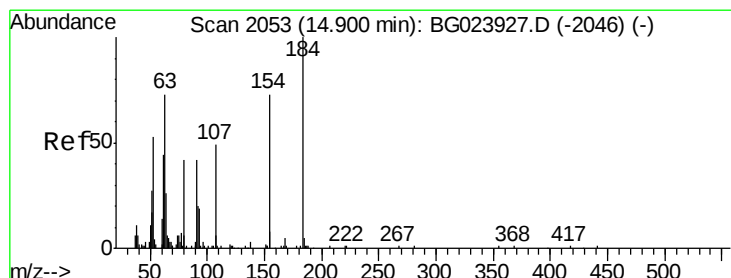
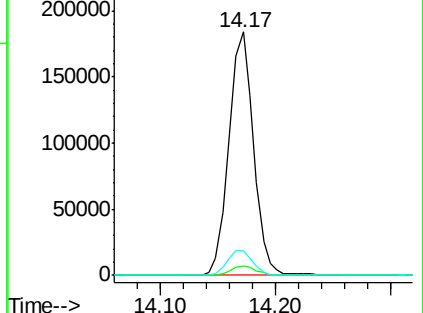
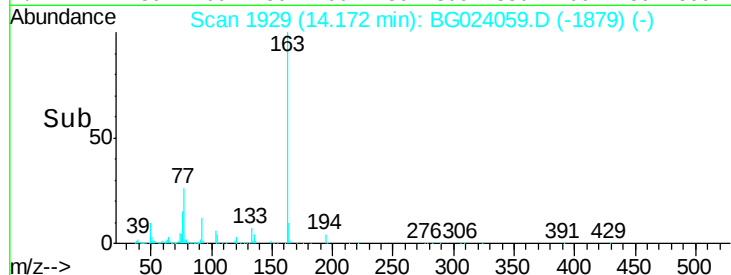
164 10.3 8.1 12.1



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



#53

2,4-Dinitrophenol

Concen: 6.54 ng

RT: 14.83 min Scan# 2041

Delta R.T. -0.04 min

Lab File: BG024059.D

Acq: 21 Sep 2016 17:43

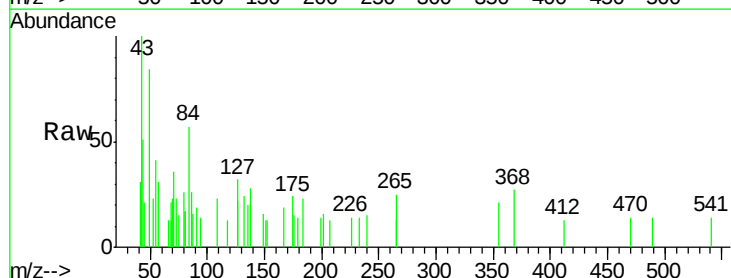
Tgt Ion:184 Resp: 94

Ion Ratio Lower Upper

184 100

63 0.0 59.6 89.4#

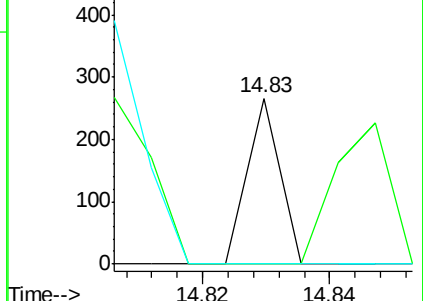
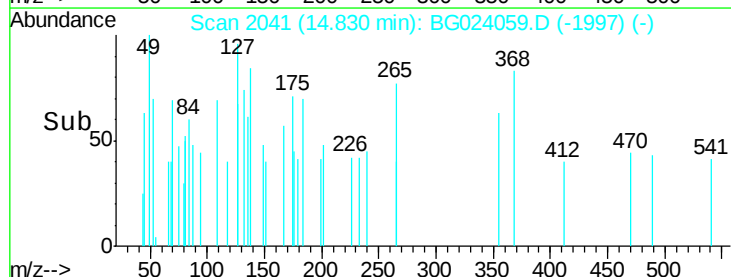
154 0.0 67.4 101.0#

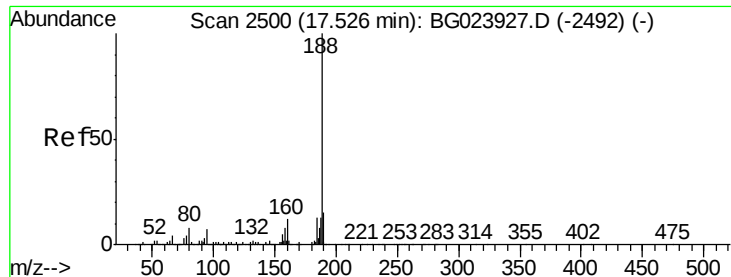


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E

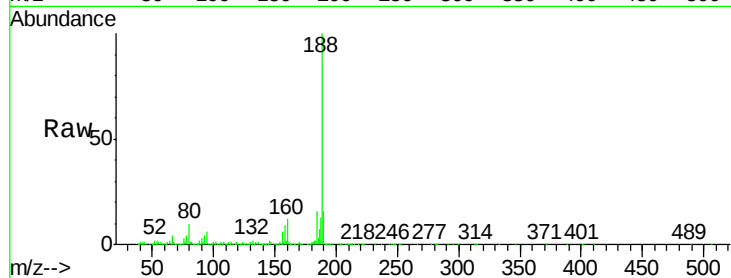




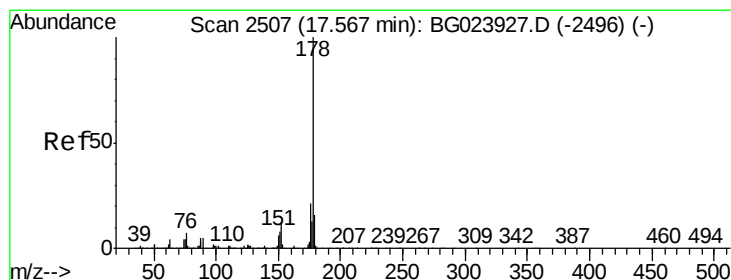
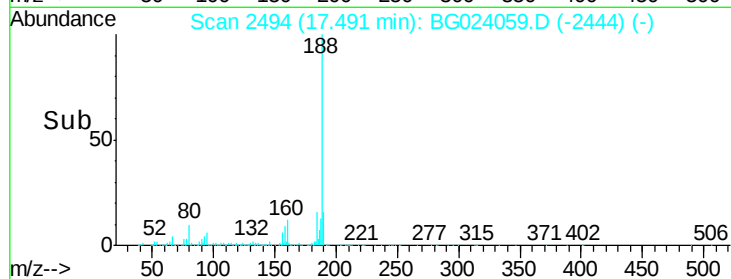
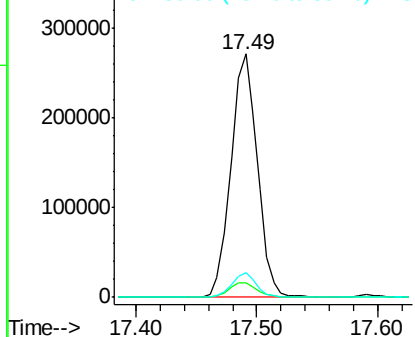
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.49 min Scan# 2494
 Delta R.T. -0.00 min
 Lab File: BG024059.D
 Acq: 21 Sep 2016 17:43

Instrument :
 BNA_G
 ClientSampleId :
 YORK-SB3-04

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

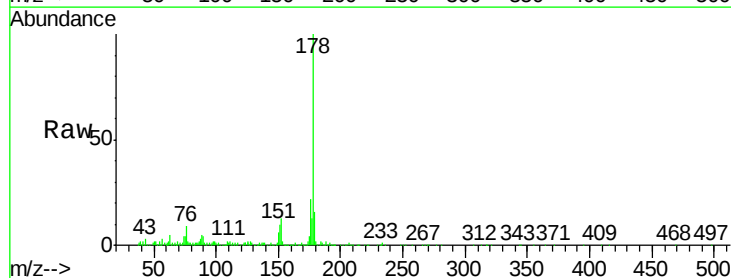


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

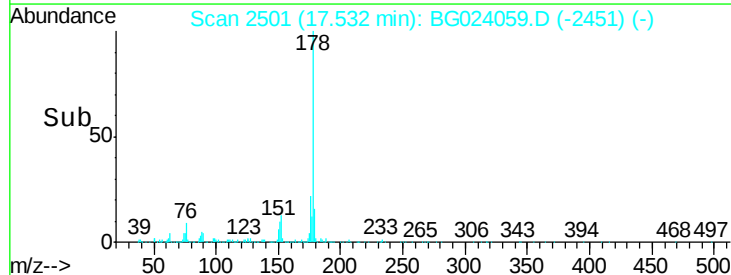
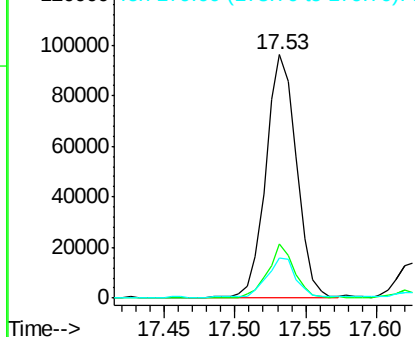


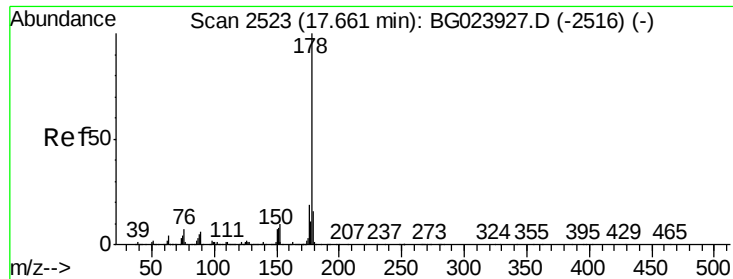
#70
 Phenanthrene
 Concen: 6.82 ng
 RT: 17.53 min Scan# 2501
 Delta R.T. -0.00 min
 Lab File: BG024059.D
 Acq: 21 Sep 2016 17:43

Tgt 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





#71

Anthracene

Concen: 6.69 ng

RT: 17.53 min Scan# 2501

Delta R.T. -0.10 min

Lab File: BG024059.D

Acq: 21 Sep 2016 17:43

Instrument :

BNA_G

ClientSampleId :

YORK-SB3-04

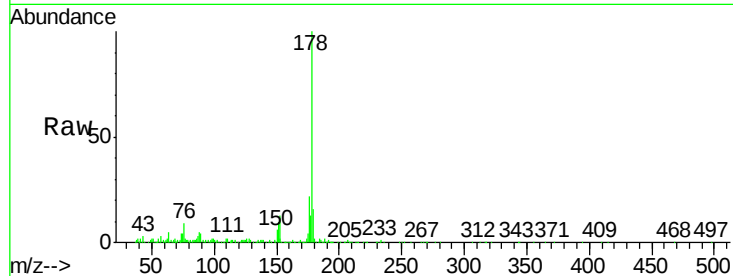
Tgt Ion:178 Resp: 147038

Ion Ratio Lower Upper

178 100

176 22.3 17.3 25.9

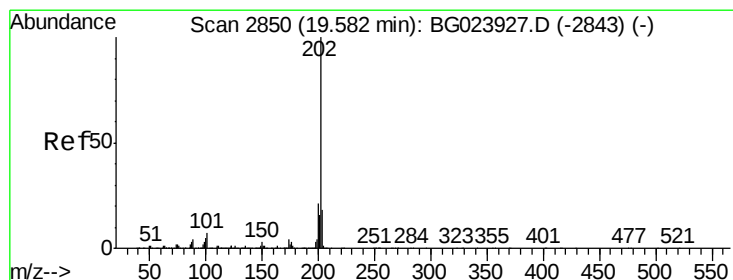
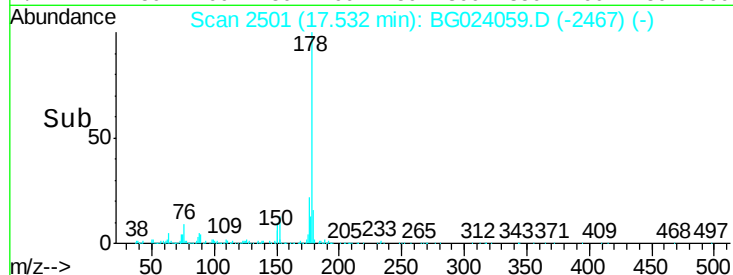
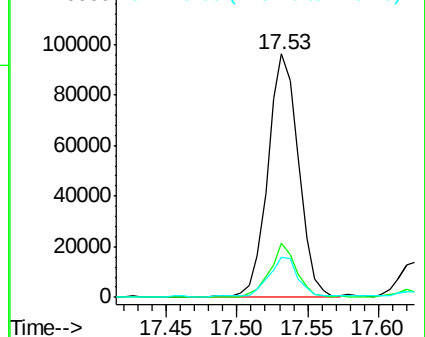
179 16.3 14.0 21.0



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: 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

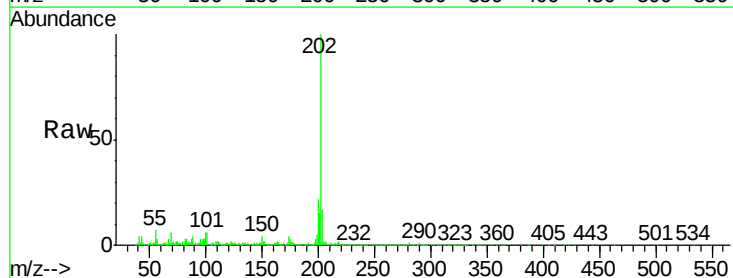
Tgt Ion:202 Resp: 270850

Ion Ratio Lower Upper

202 100

101 5.9 0.0 27.4

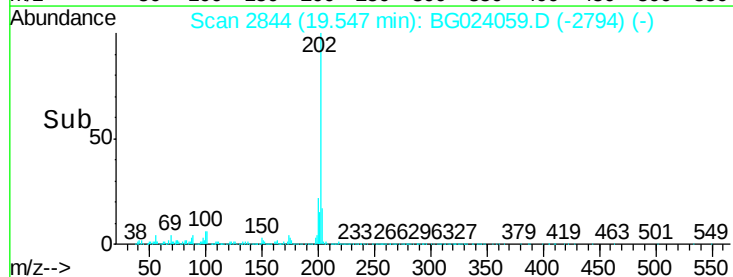
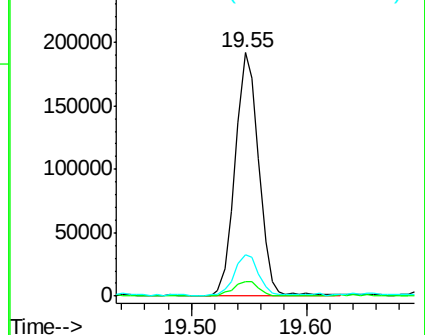
203 17.0 1.7 41.7

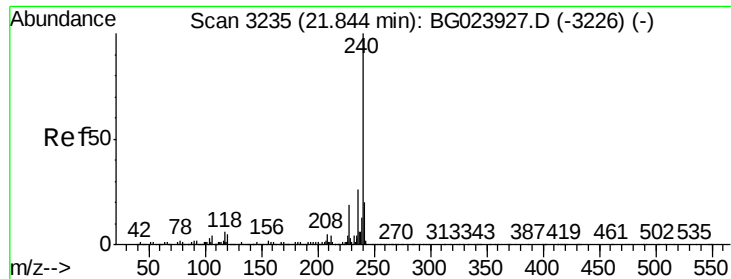


Abundance Ion 202.00 (201.70 to 202.70): E

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

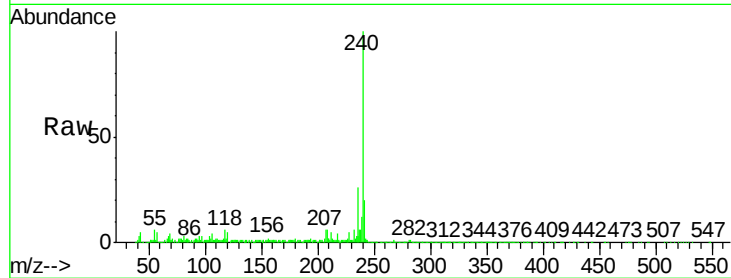
Tgt Ion:240 Resp: 437667

Ion Ratio Lower Upper

240 100

120 5.3 4.1 6.1

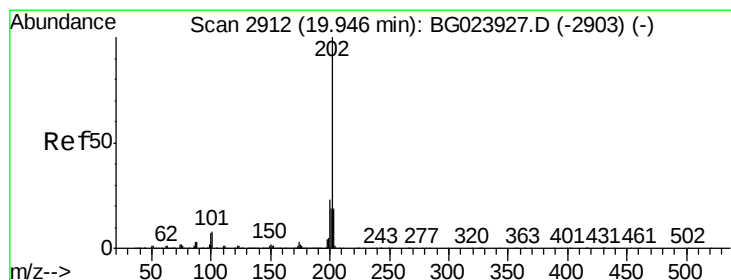
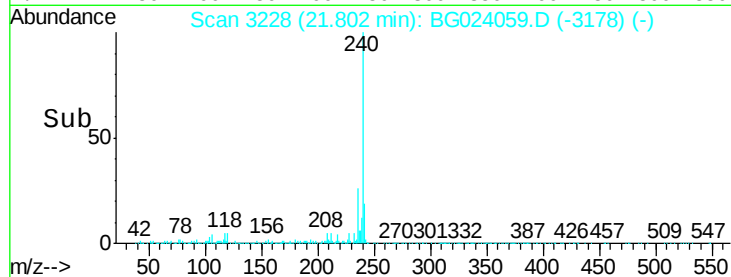
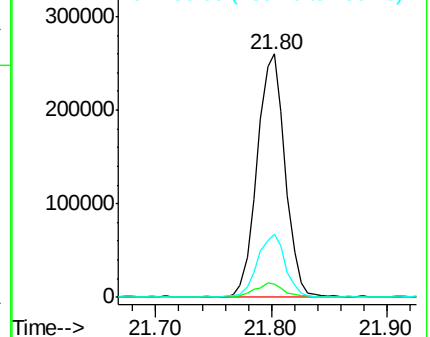
236 25.9 21.1 31.7



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

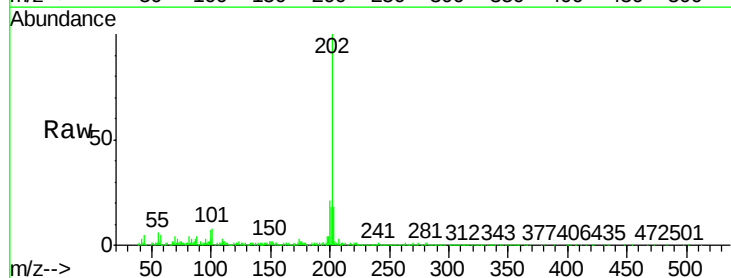
Tgt Ion:202 Resp: 235932

Ion Ratio Lower Upper

202 100

200 21.3 21.2 31.8

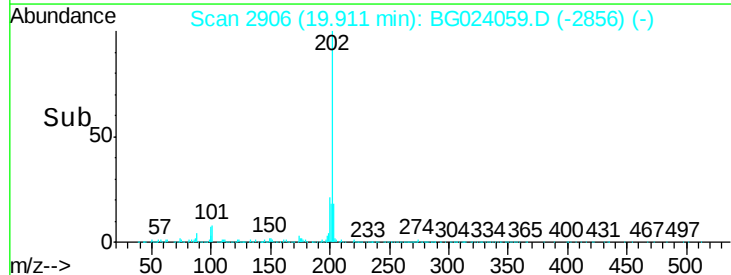
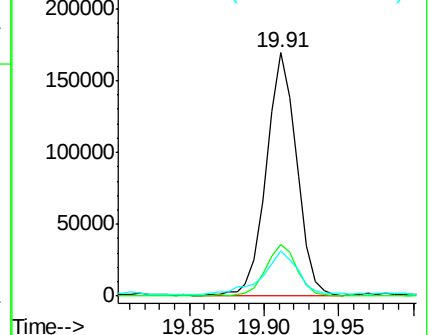
203 18.4 16.8 25.2

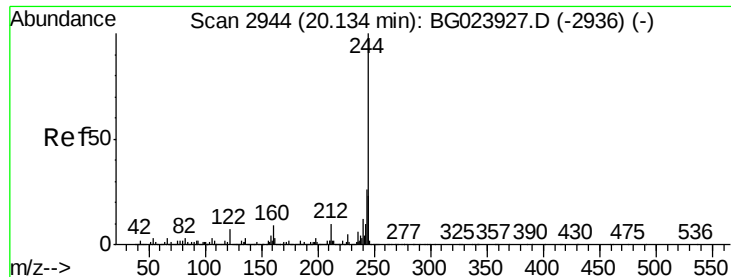


Abundance Ion 202.00 (201.70 to 202.70): E

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

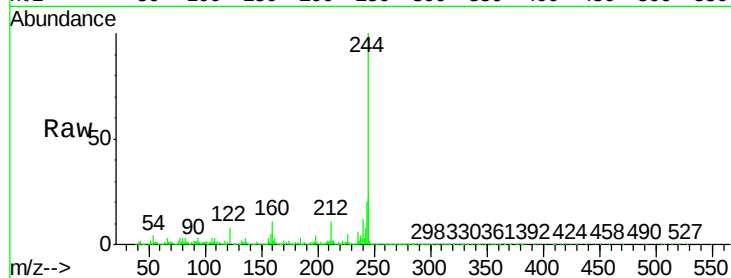
Tgt Ion:244 Resp: 1300247

Ion Ratio Lower Upper

244 100

212 10.6 10.8 16.2#

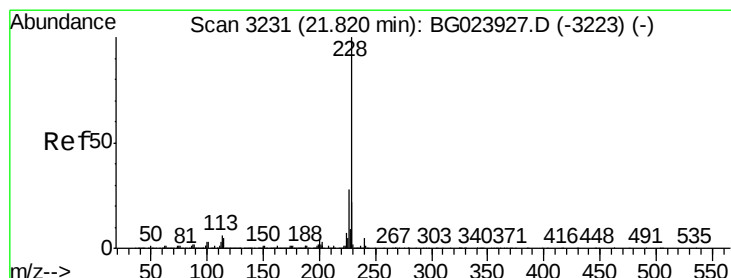
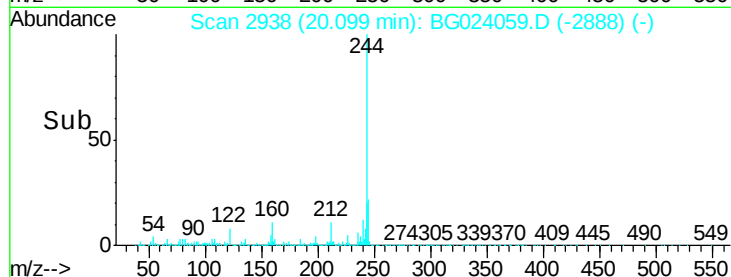
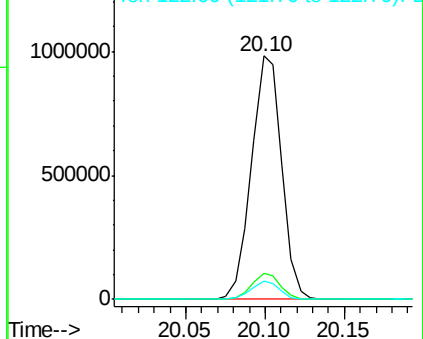
122 7.8 8.0 12.0#



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

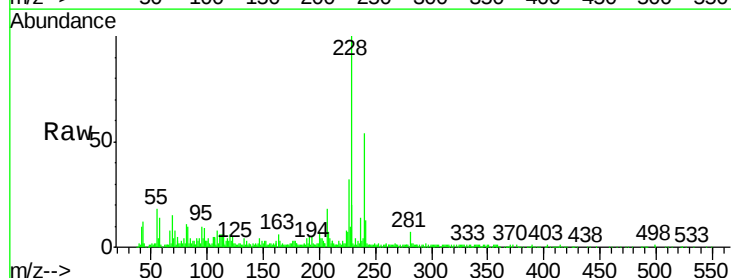
Tgt Ion:228 Resp: 142920

Ion Ratio Lower Upper

228 100

226 31.9 25.3 37.9

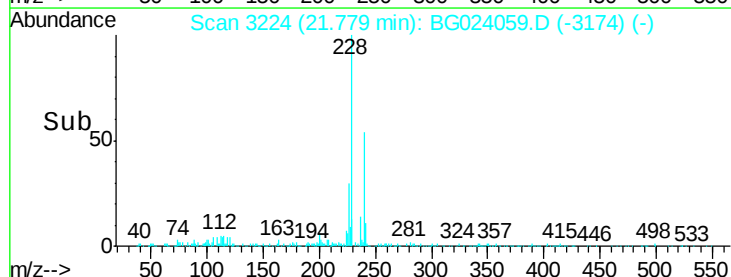
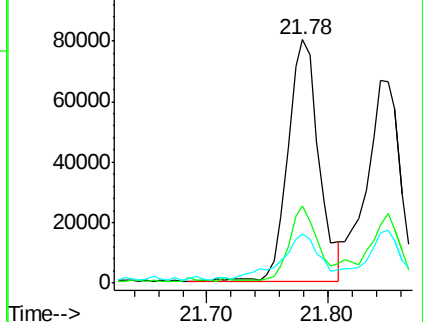
229 20.0 19.9 29.9

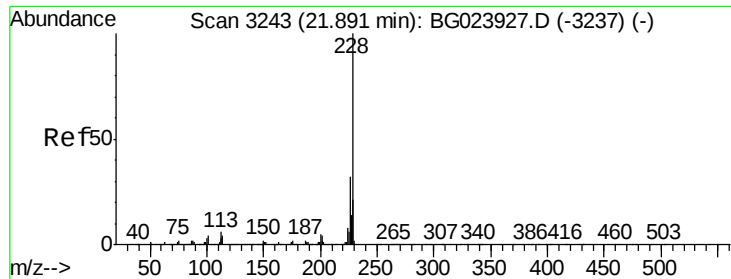


Abundance Ion 228.00 (227.70 to 228.70): E

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

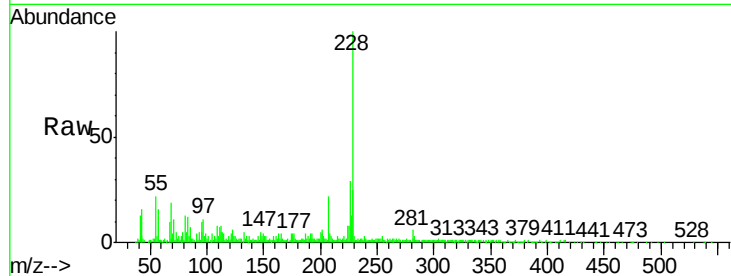
Tgt Ion:228 Resp: 129520

Ion Ratio Lower Upper

228 100

226 28.8 26.7 40.1

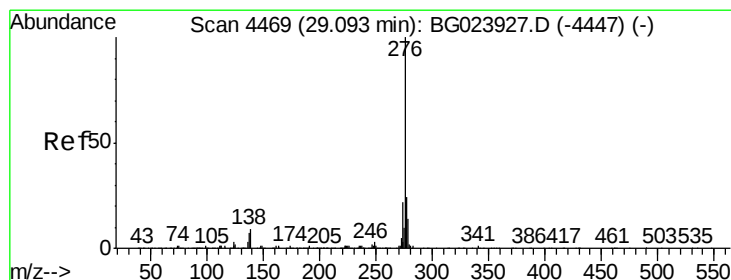
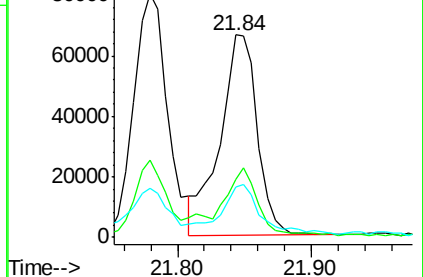
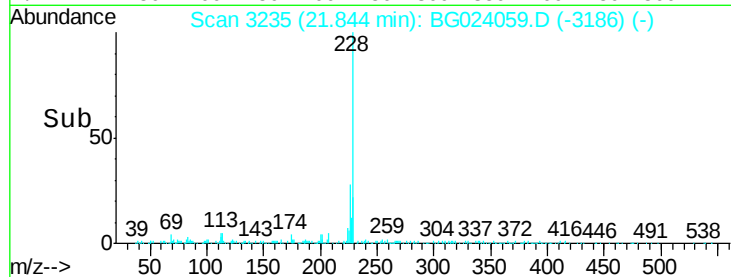
229 25.0 17.4 26.2



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

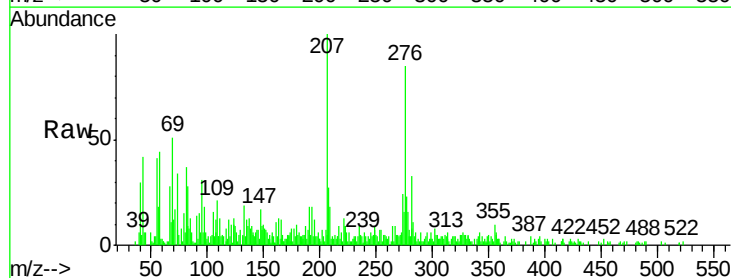
Tgt Ion:276 Resp: 55850

Ion Ratio Lower Upper

276 100

138 3.4 0.0 0.0#

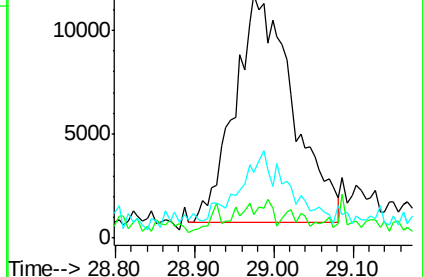
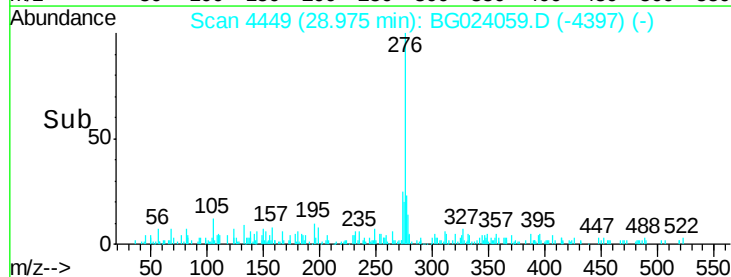
277 0.0 0.0 0.0

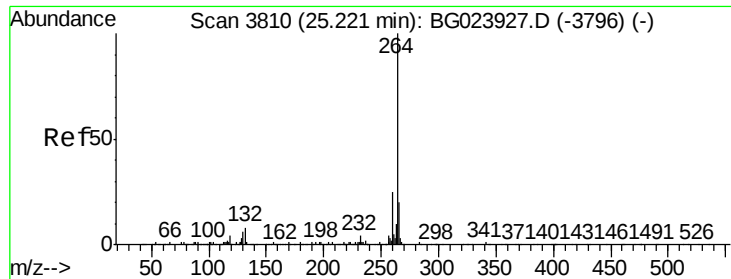


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Perylene-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

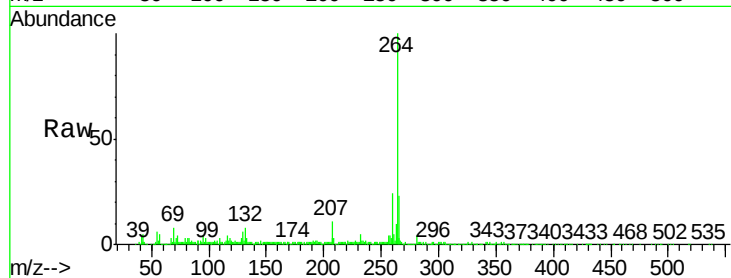
Tgt Ion:264 Resp: 428398

Ion Ratio Lower Upper

264 100

260 24.1 18.4 27.6

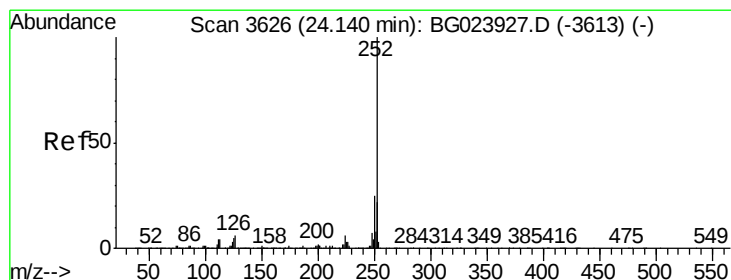
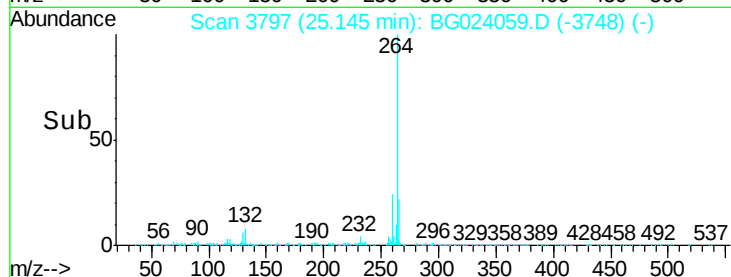
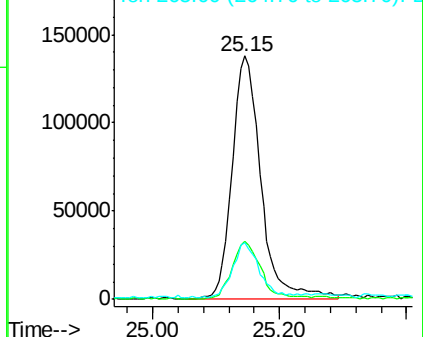
265 23.1 18.9 28.3



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

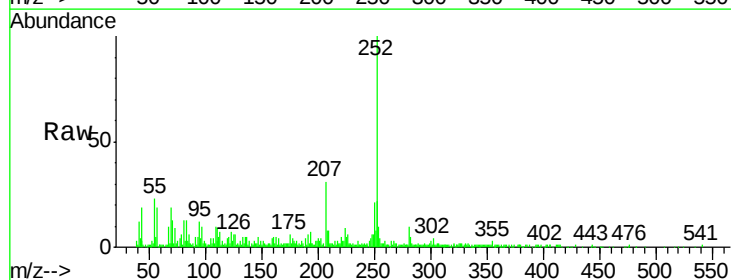
Tgt Ion:252 Resp: 166642

Ion Ratio Lower Upper

252 100

253 22.4 18.9 28.3

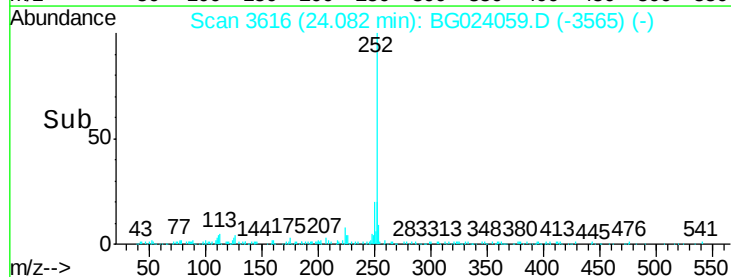
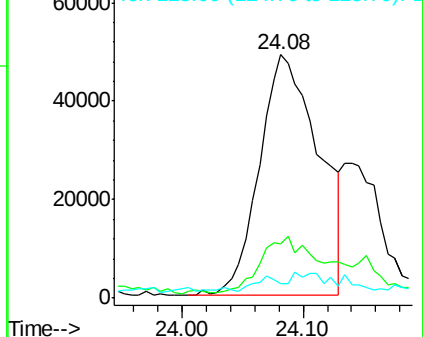
125 6.2 3.9 5.9#

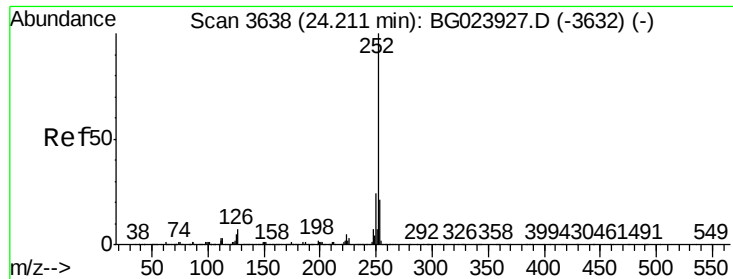


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

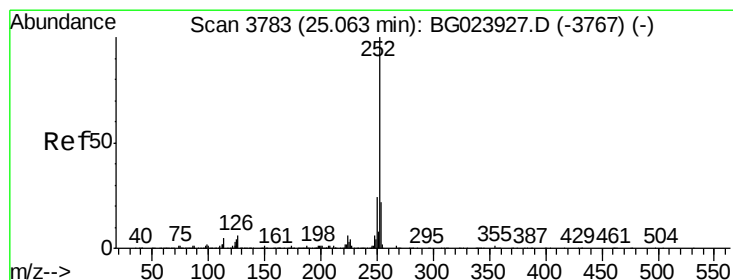
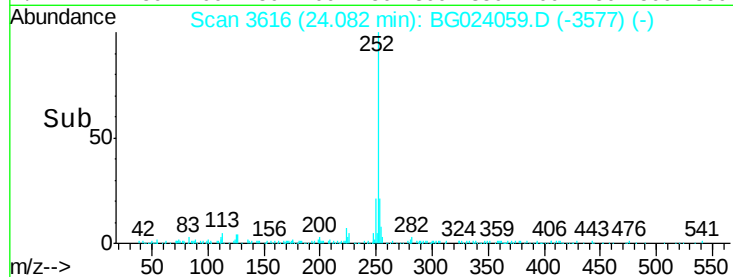
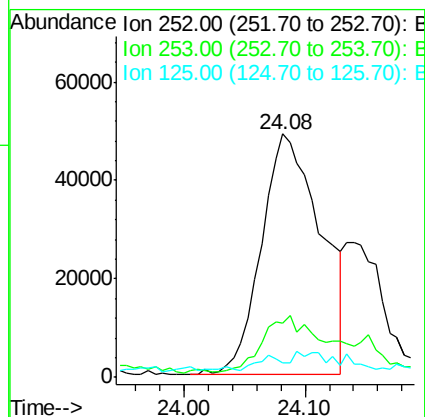
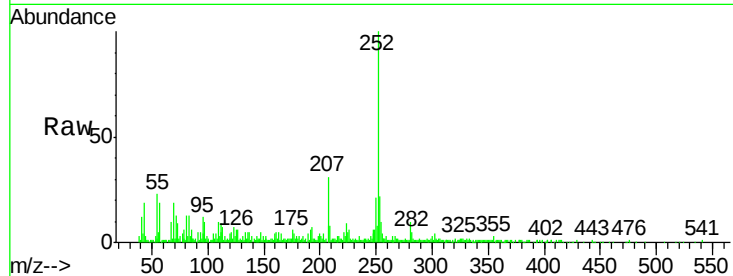




#88
Benzo(k)fluoranthene
Concen: 6.91 ng
RT: 24.08 min Scan# 3616
Delta R.T. -0.07 min
Lab File: BG024059.D
Acq: 21 Sep 2016 17:43

Instrument :
BNA_G
ClientSampleId :
YORK-SB3-04

Tgt Ion: 252 Resp: 166642
Ion Ratio Lower Upper
252 100
253 22.4 18.8 28.2
125 6.2 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#

