

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092116\
 Data File : BG024057.D
 Acq On : 21 Sep 2016 16:26
 Operator : UM/SJ
 Sample : H4819-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 YORK-SB2-07-DUP

Quant Time: Sep 21 17:34:52 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

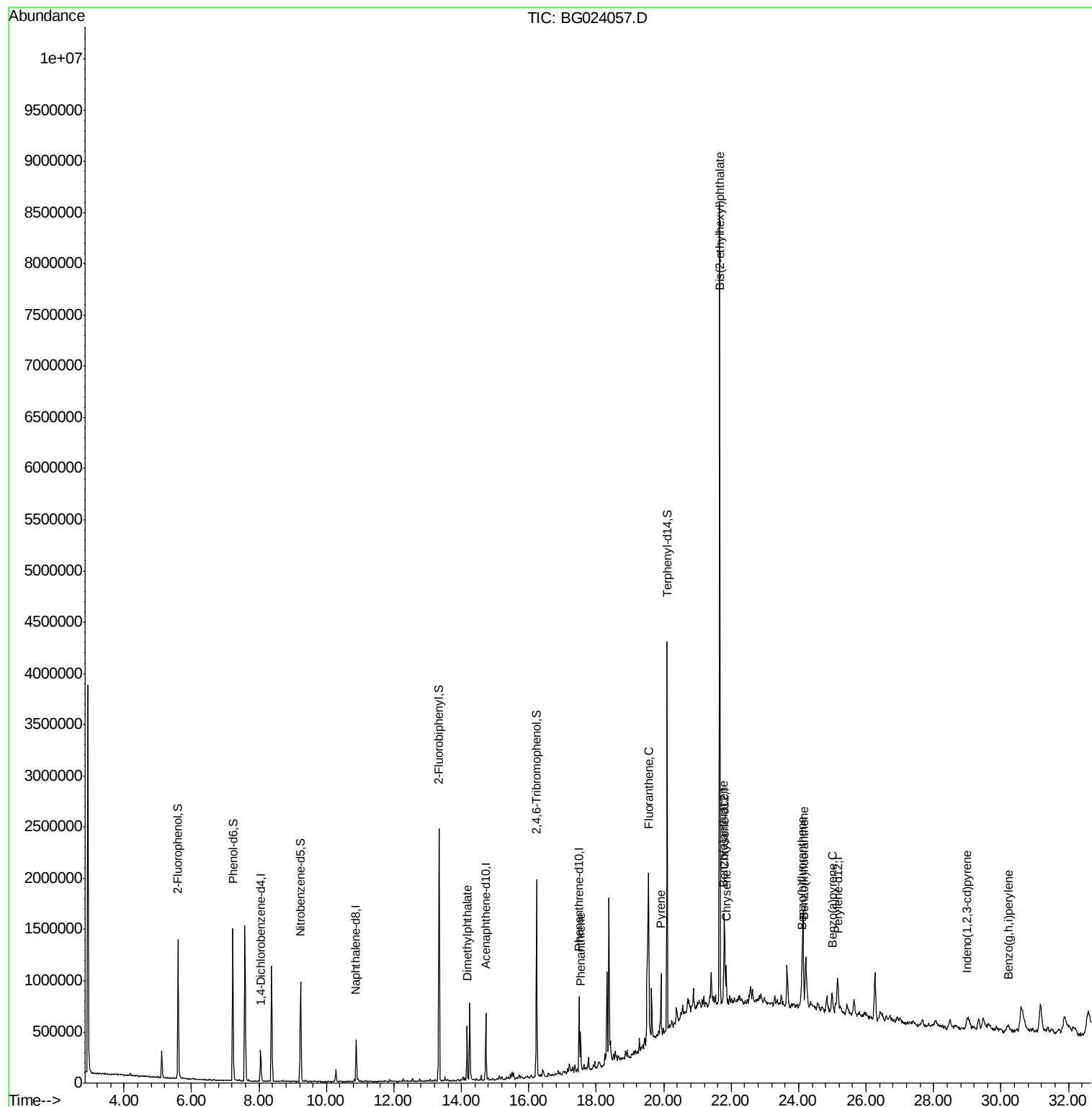
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	74919	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	317525	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	230462	20.00	ng	0.00
63) Phenanthrene-d10	17.49	188	401686	20.00	ng	0.00
75) Chrysene-d12	21.80	240	451991	20.00	ng	0.00
86) Perylene-d12	25.15	264	417741	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	519886	121.83	ng	0.00
7) Phenol-d6	7.23	99	818845	124.66	ng	0.00
23) Nitrobenzene-d5	9.23	82	639789	89.95	ng	0.00
41) 2,4,6-Tribromophenol	16.23	330	346201	83.38	ng	0.00
44) 2-Fluorobiphenyl	13.34	172	1195619	74.38	ng	0.00
78) Terphenyl-d14	20.10	244	1443192	72.72	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.17	163	293324	14.84	ng	97
70) Phenanthrene	17.53	178	217210	10.39	ng	98
74) Fluoranthene	19.55	202	415342	16.51	ng	95
77) Pyrene	19.91	202	390663	14.05	ng	93
80) Benzo(a)anthracene	21.78	228	240130	9.49	ng	94
82) Chrysene	21.85	228	265131	11.01	ng	95
83) Bis(2-ethylhexyl)phthalate	21.66	149	2642109	180.08	ng	# 91
85) Indeno(1,2,3-cd)pyrene	28.99	276	126071	4.73	ng	# 100
87) Benzo(b)fluoranthene	24.08	252	324628	13.68	ng	# 98
88) Benzo(k)fluoranthene	24.15	252	144769m	6.15	ng	
89) Benzo(a)pyrene	24.99	252	221585	9.83	ng	# 94
91) Benzo(a,h,i)perylene	30.21	276	108721	5.10	ng	# 79

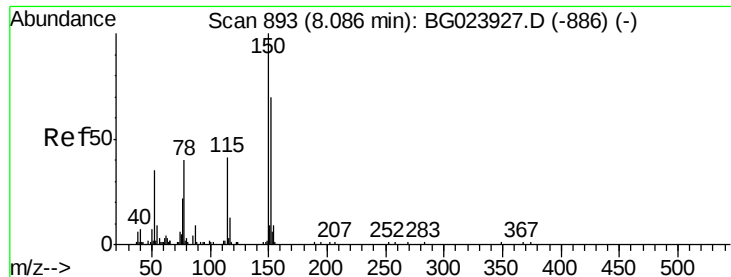
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG024057.D

Acq: 21 Sep 2016 16:26

Instrument :

BNA_G

ClientSampleId :

YORK-SB2-07-DUP

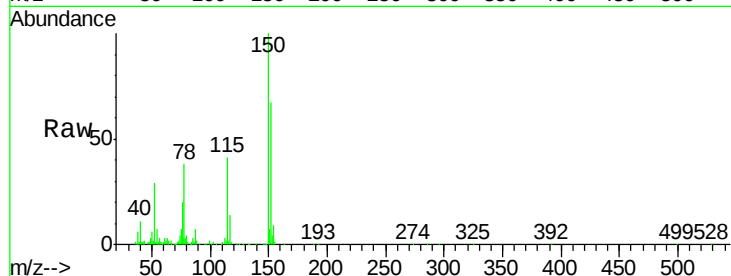
Tot Ion:152 Resp: 74919

Ion Ratio Lower Upper

152 100

150 150.3 144.7 217.1

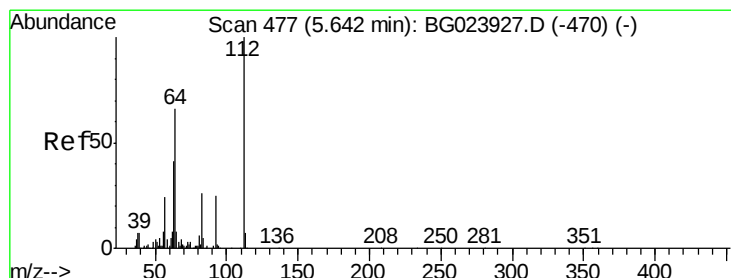
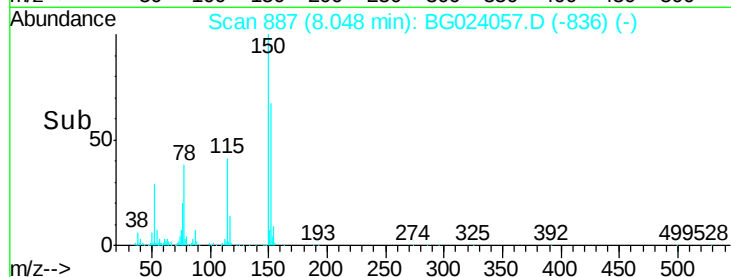
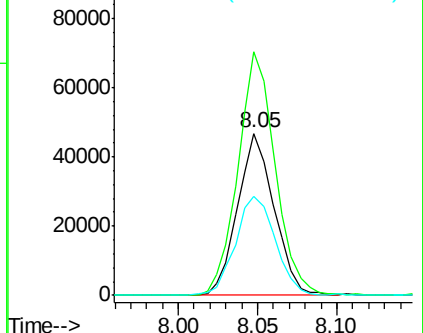
115 61.0 64.0 96.0#



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: 121.83 ng

RT: 5.60 min Scan# 470

Delta R.T. -0.01 min

Lab File: BG024057.D

Acq: 21 Sep 2016 16:26

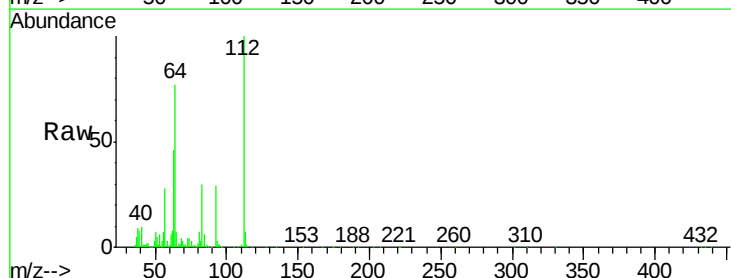
Tgt Ion:112 Resp: 519886

Ion Ratio Lower Upper

112 100

64 76.5 59.0 88.4

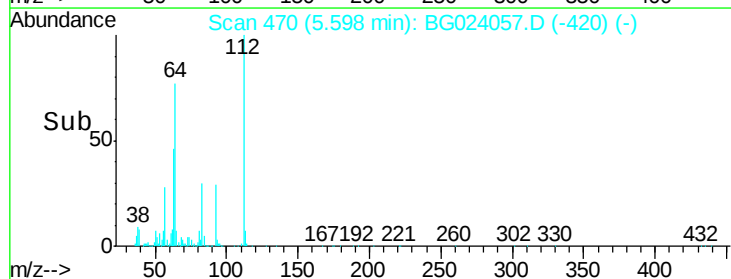
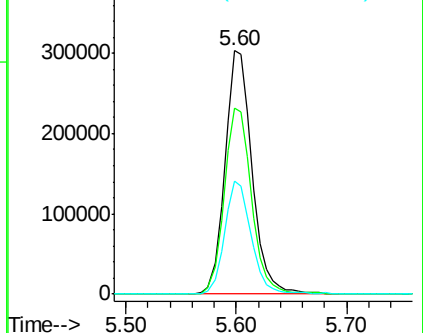
63 46.4 37.8 56.8

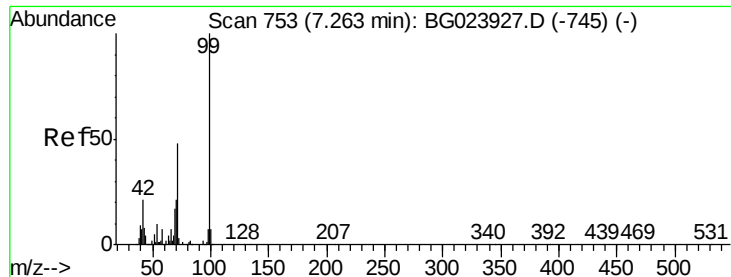


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 124.66 ng

RT: 7.23 min Scan# 747

Delta R.T. 0.00 min

Lab File: BG024057.D

Acq: 21 Sep 2016 16:26

Instrument :

BNA_G

ClientSampleId :

YORK-SB2-07-DUP

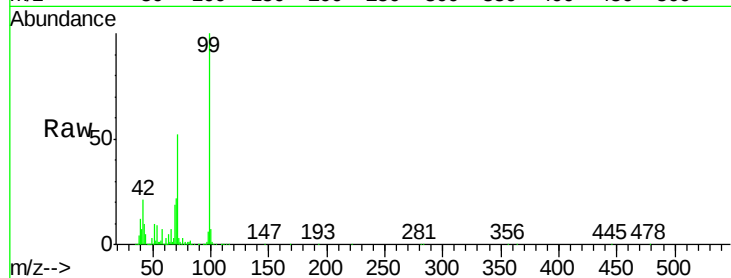
Tot Ion: 99 Resp: 818845

Ion Ratio Lower Upper

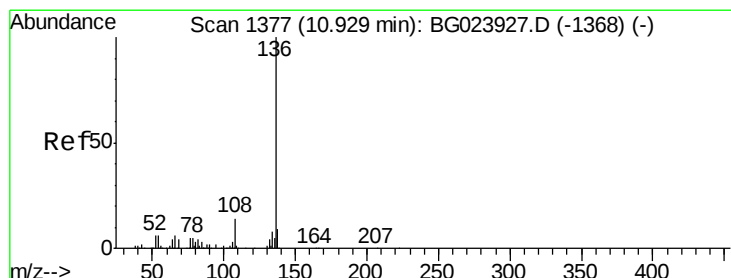
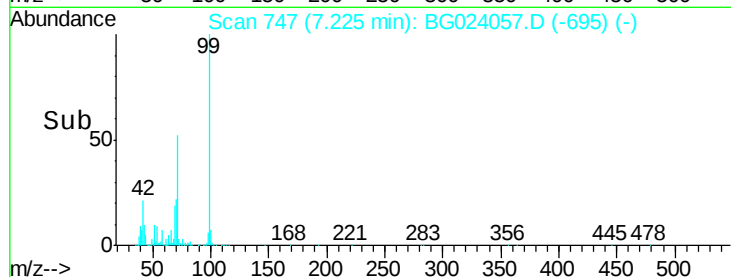
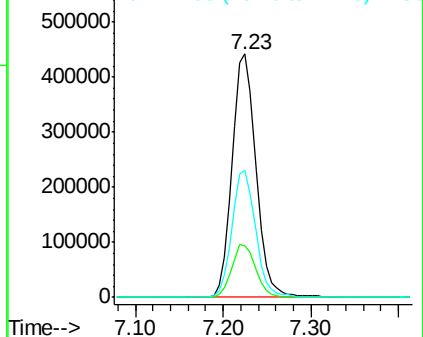
99 100

42 21.3 17.8 26.6

71 52.2 41.5 62.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.88 min Scan# 1369

Delta R.T. -0.01 min

Lab File: BG024057.D

Acq: 21 Sep 2016 16:26

Tgt Ion: 136 Resp: 317525

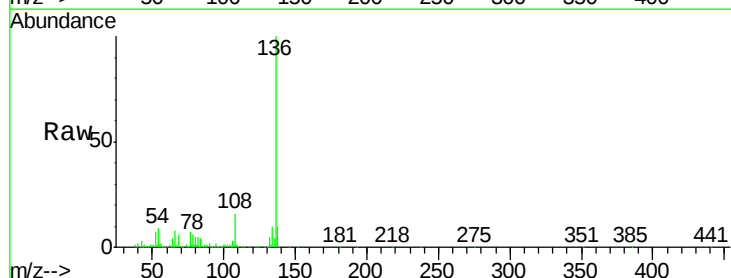
Ion Ratio Lower Upper

136 100

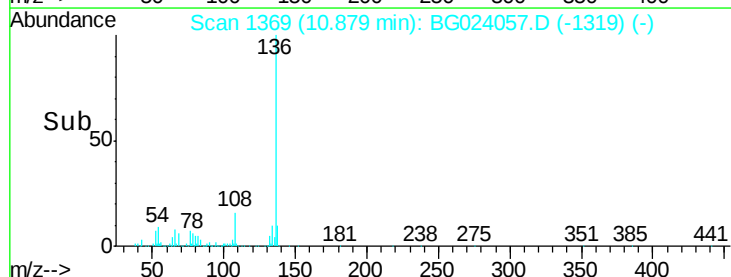
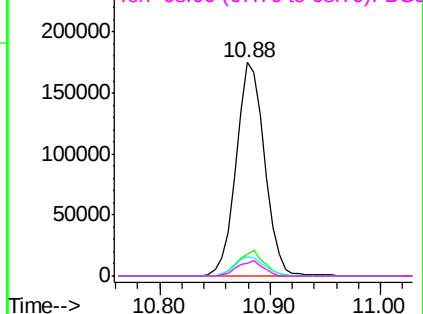
137 10.5 9.6 14.4

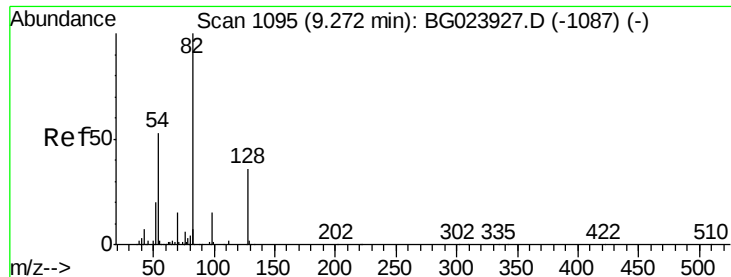
54 8.9 7.3 10.9

68 5.7 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

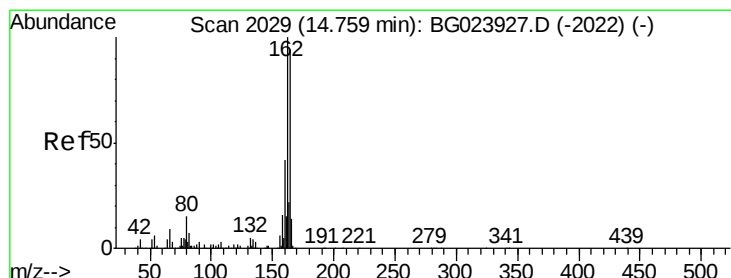
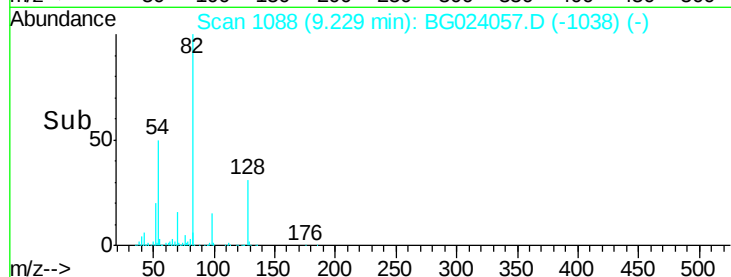
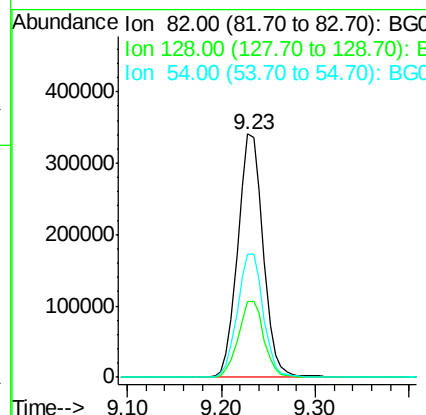
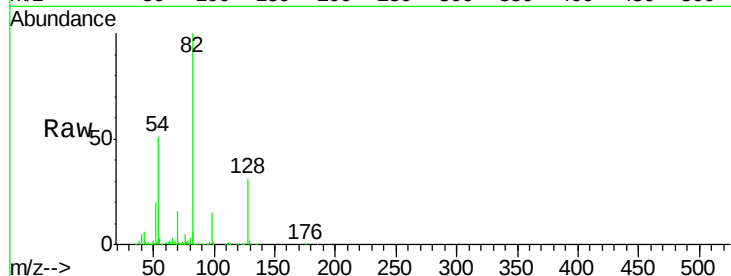




#23
 Nitrobenzene-d5
 Concen: 89.95 ng
 RT: 9.23 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: BG024057.D
 Acq: 21 Sep 2016 16:26

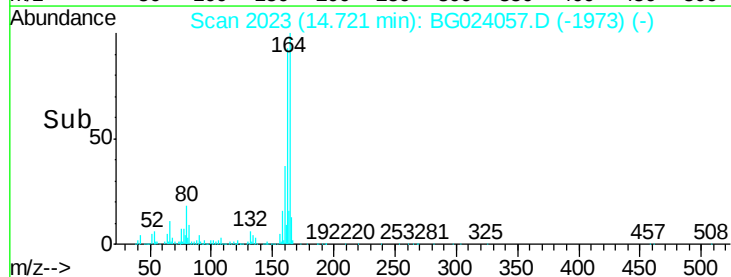
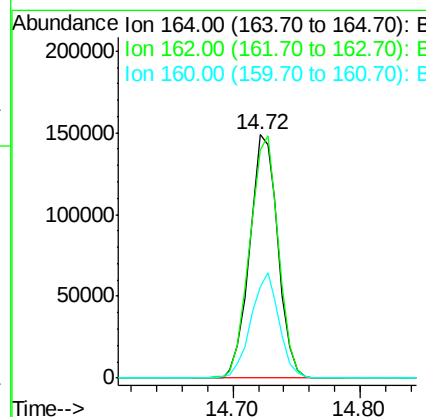
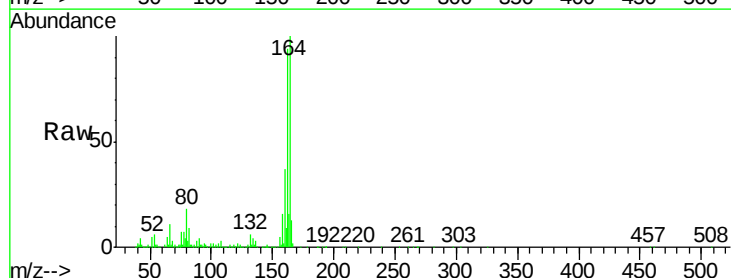
Instrument :
 BNA_G
 ClientSampleId :
 YORK-SB2-07-DUP

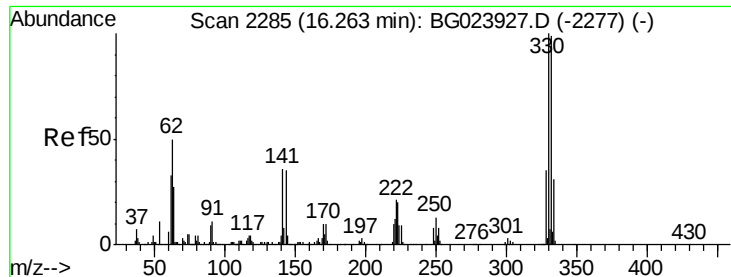
Tot Ion	82	Resp	639789
Ion Ratio	Lower	Upper	
82	100		
128	31.1	24.4	36.6
54	50.6	41.4	62.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.72 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BG024057.D
 Acq: 21 Sep 2016 16:26

Tgt Ion	164	Resp	230462
Ion Ratio	Lower	Upper	
164	100		
162	93.5	87.7	131.5
160	37.4	37.2	55.8

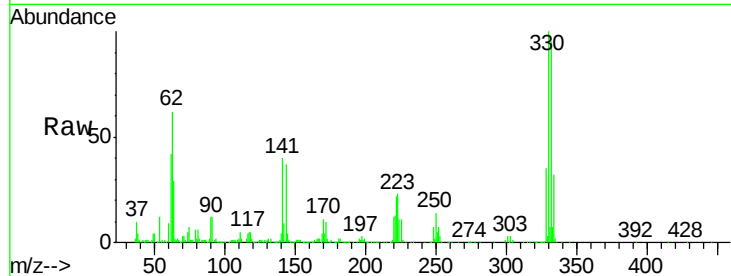




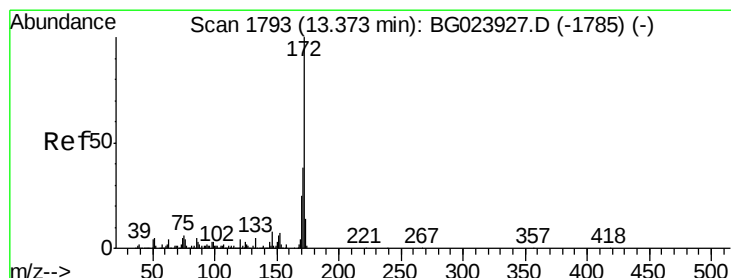
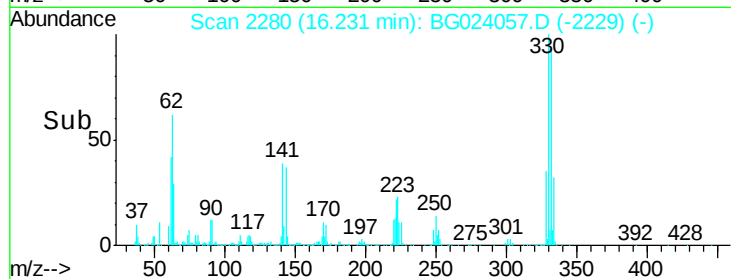
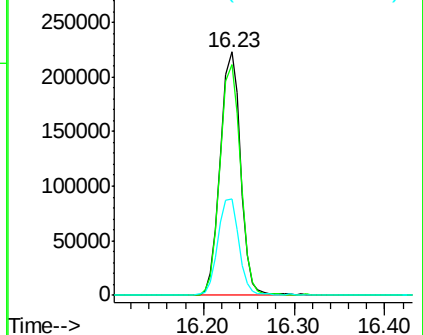
#41
 2,4,6-Tribromophenol
 Concen: 83.38 ng
 RT: 16.23 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: BG024057.D
 Acq: 21 Sep 2016 16:26

Instrument :
 BNA_G
 ClientSampleId :
 YORK-SB2-07-DUP

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.4	116.2
141	40.4	31.7	47.5

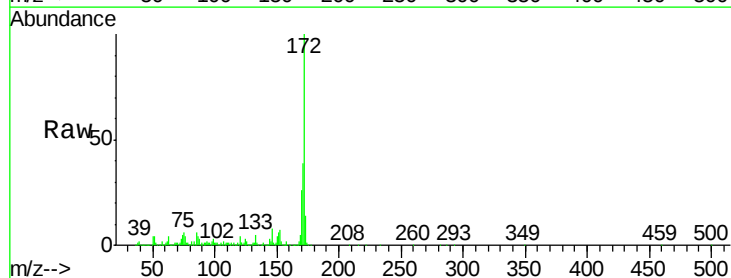


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

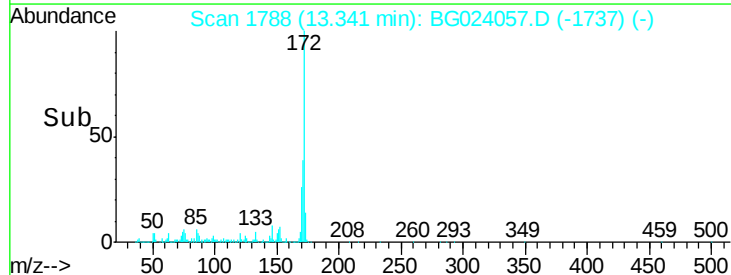
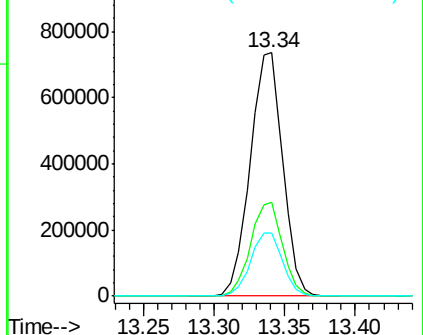


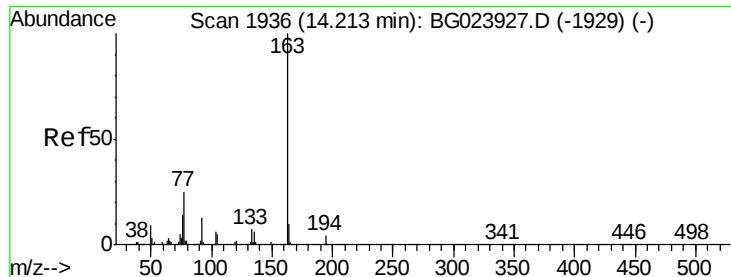
#44
 2-Fluorobiphenyl
 Concen: 74.38 ng
 RT: 13.34 min Scan# 1788
 Delta R.T. -0.00 min
 Lab File: BG024057.D
 Acq: 21 Sep 2016 16:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.6	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: 14.84 ng

RT: 14.17 min Scan# 1929

Delta R.T. -0.01 min

Lab File: BG024057.D

Acq: 21 Sep 2016 16:26

Instrument :

BNA_G

ClientSampleId :

YORK-SB2-07-DUP

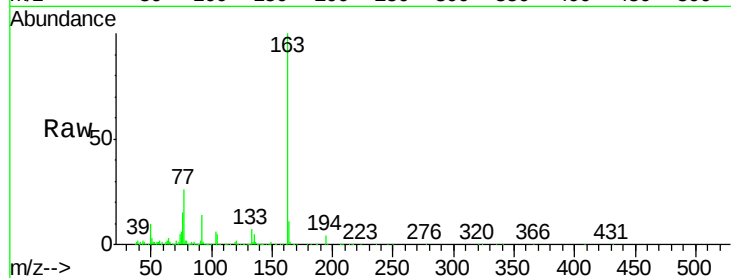
Tot Ion:163 Resp: 293324

Ion Ratio Lower Upper

163 100

194 4.1 3.6 5.4

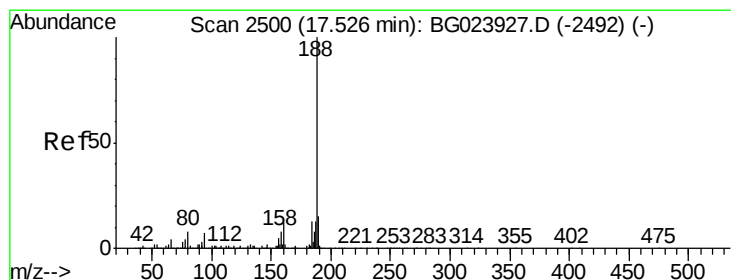
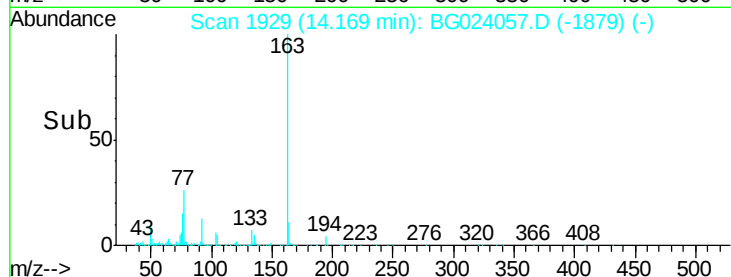
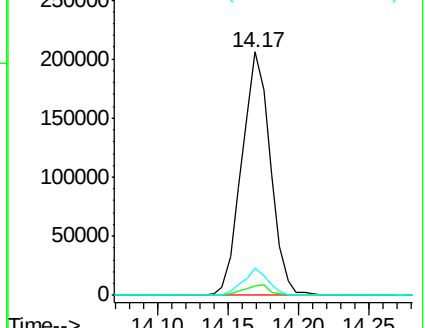
164 11.3 8.1 12.1



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. -0.01 min

Lab File: BG024057.D

Acq: 21 Sep 2016 16:26

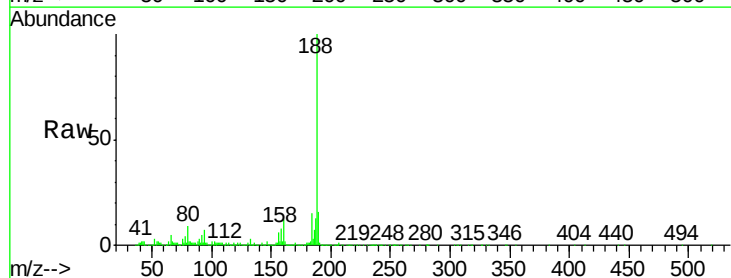
Tgt Ion:188 Resp: 401686

Ion Ratio Lower Upper

188 100

94 6.7 5.2 7.8

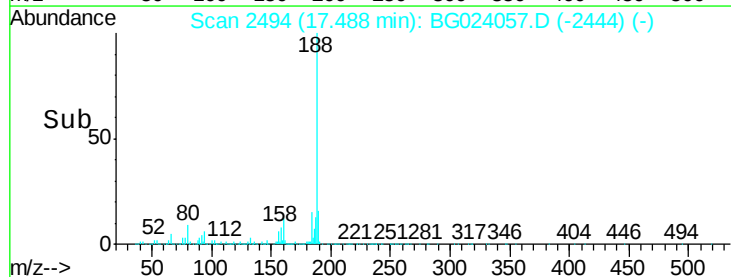
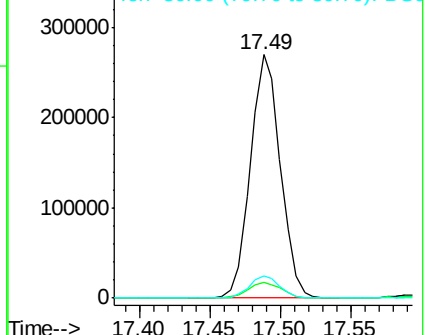
80 9.1 7.2 10.8

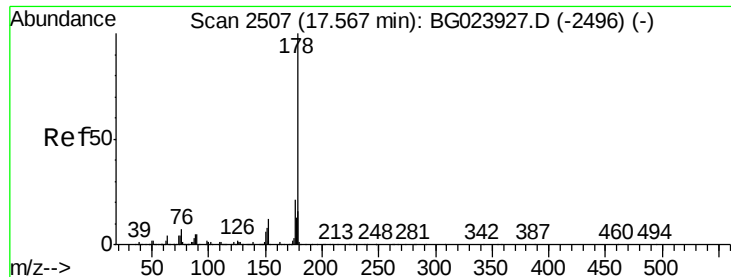


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 10.39 ng

RT: 17.53 min Scan# 2502

Delta R.T. -0.00 min

Lab File: BG024057.D

Acq: 21 Sep 2016 16:26

Instrument :

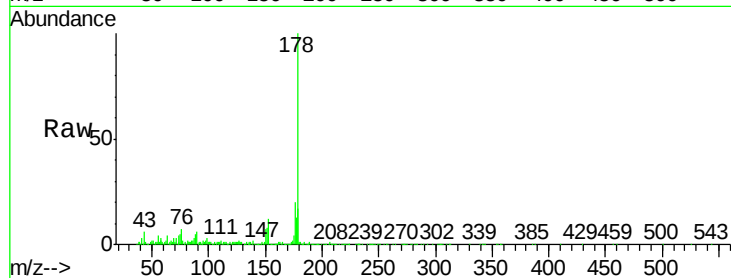
BNA_G

ClientSampleId :

YORK-SB2-07-DUP

Tot Ion:178 Resp: 217210

Ion	Ratio	Lower	Upper
178	100		
176	20.4	16.8	25.2
179	17.0	14.3	21.5

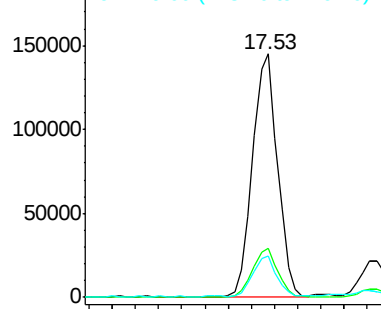


Abundance

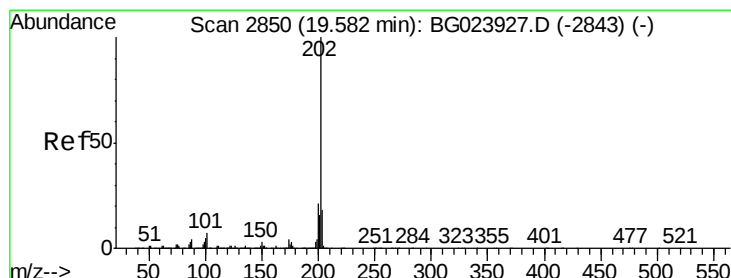
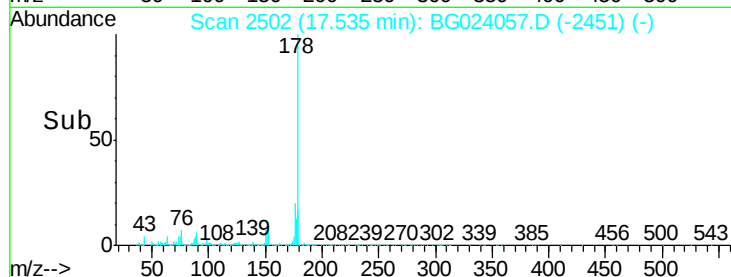
Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#74

Fluoranthene

Concen: 16.51 ng

RT: 19.55 min Scan# 2845

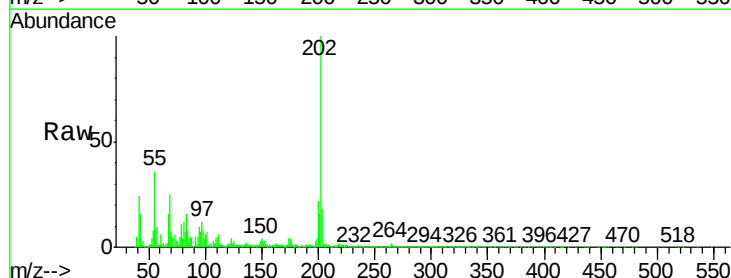
Delta R.T. -0.00 min

Lab File: BG024057.D

Acq: 21 Sep 2016 16:26

Tgt Ion:202 Resp: 415342

Ion	Ratio	Lower	Upper
202	100		
101	7.4	0.0	27.4
203	18.4	1.7	41.7

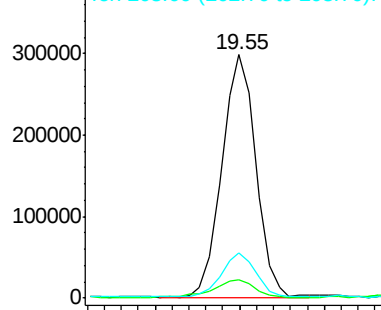


Abundance

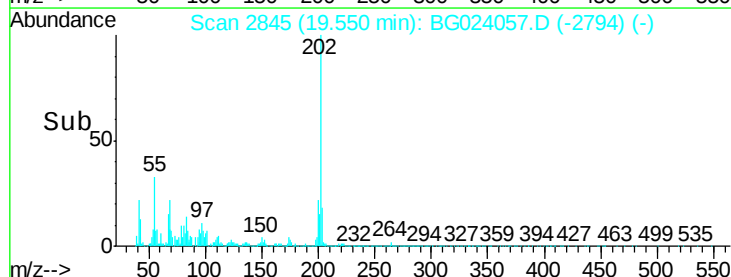
Ion 202.00 (201.70 to 202.70): E

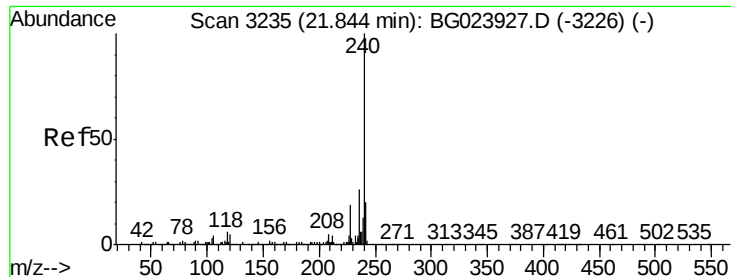
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.80 min Scan# 3228

Delta R.T. -0.01 min

Lab File: BG024057.D

Acq: 21 Sep 2016 16:26

Instrument :

BNA_G

ClientSampleId :

YORK-SB2-07-DUP

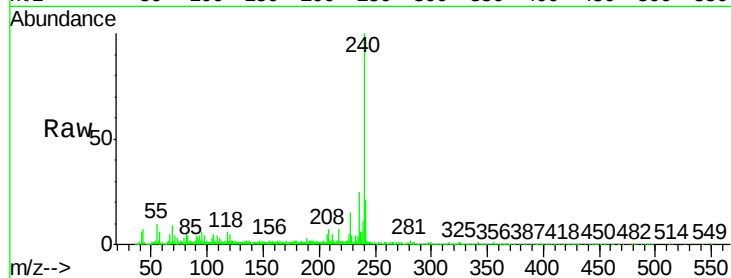
Tot Ion:240 Resp: 451991

Ion Ratio Lower Upper

240 100

120 5.1 4.1 6.1

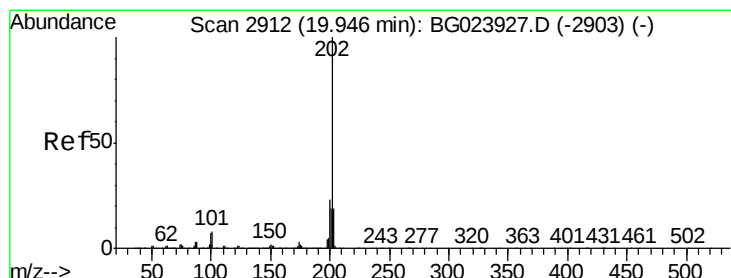
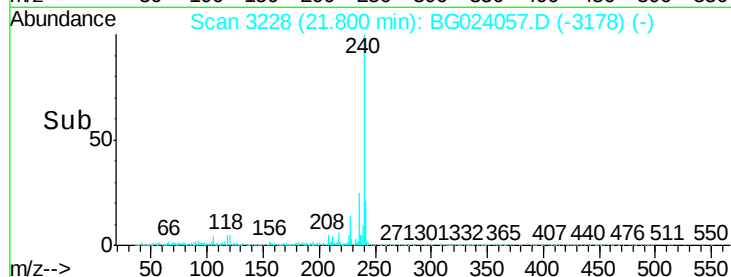
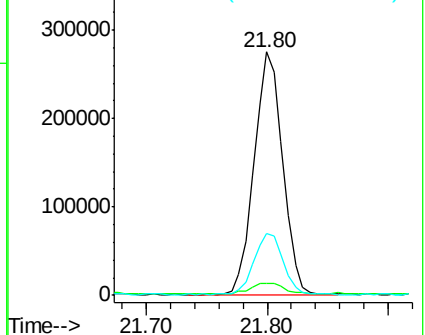
236 25.5 21.1 31.7



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: 14.05 ng

RT: 19.91 min Scan# 2907

Delta R.T. -0.00 min

Lab File: BG024057.D

Acq: 21 Sep 2016 16:26

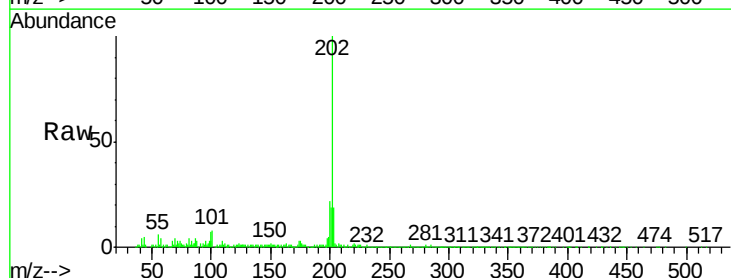
Tgt Ion:202 Resp: 390663

Ion Ratio Lower Upper

202 100

200 21.5 21.2 31.8

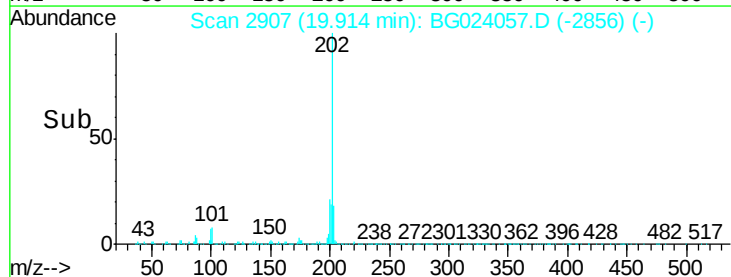
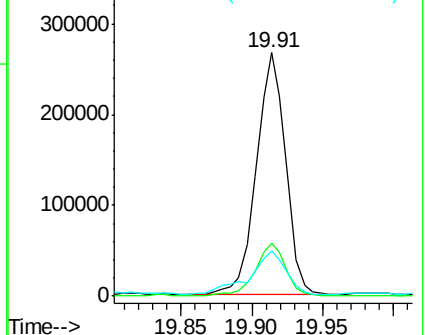
203 18.8 16.8 25.2

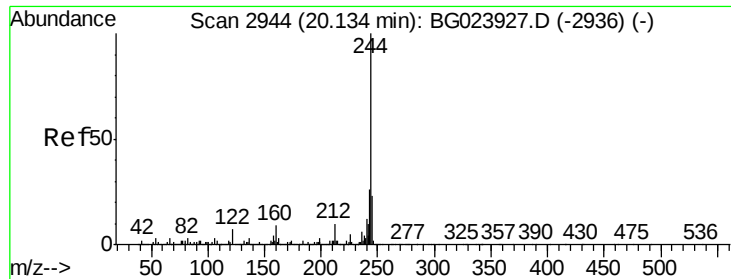


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 72.72 ng

RT: 20.10 min Scan# 2939

Delta R.T. -0.00 min

Lab File: BG024057.D

Acq: 21 Sep 2016 16:26

Instrument :

BNA_G

ClientSampleId :

YORK-SB2-07-DUP

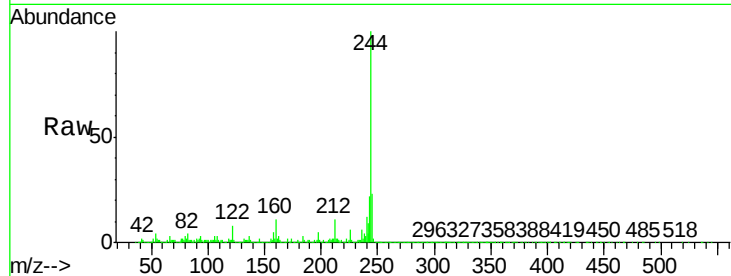
Tot Ion:244 Resp: 1443192

Ion Ratio Lower Upper

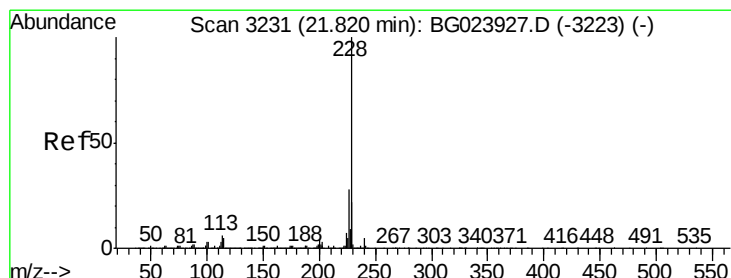
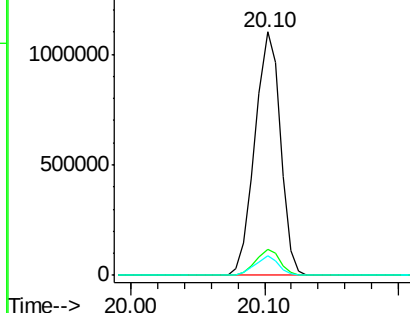
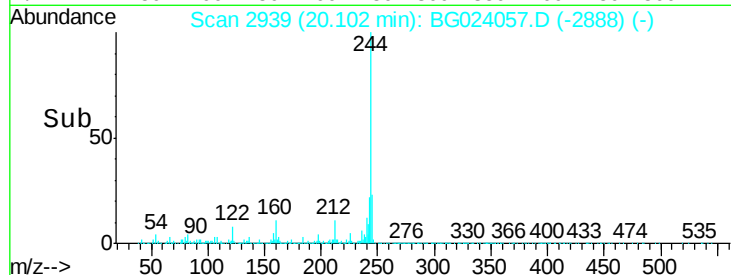
244 100

212 10.7 10.8 16.2#

122 7.9 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: 9.49 ng

RT: 21.78 min Scan# 3225

Delta R.T. -0.00 min

Lab File: BG024057.D

Acq: 21 Sep 2016 16:26

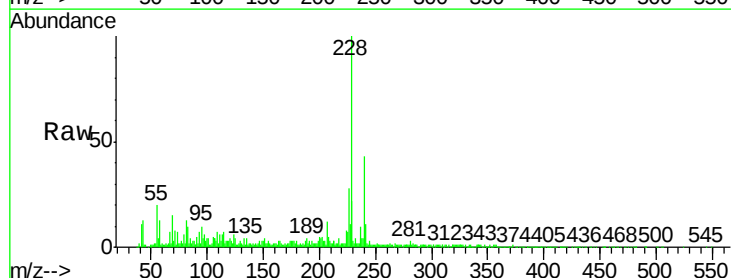
Tgt Ion:228 Resp: 240130

Ion Ratio Lower Upper

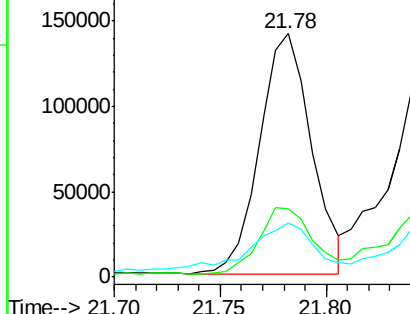
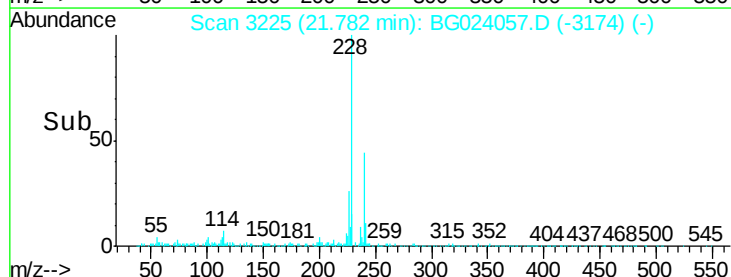
228 100

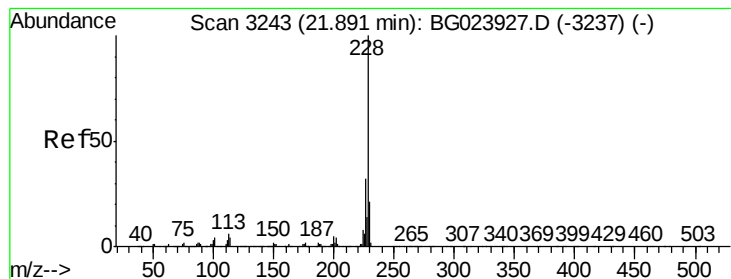
226 28.2 25.3 37.9

229 22.3 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: 11.01 ng

RT: 21.85 min Scan# 3236

Delta R.T. -0.01 min

Lab File: BG024057.D

Acq: 21 Sep 2016 16:26

Instrument :

BNA_G

ClientSampleId :

YORK-SB2-07-DUP

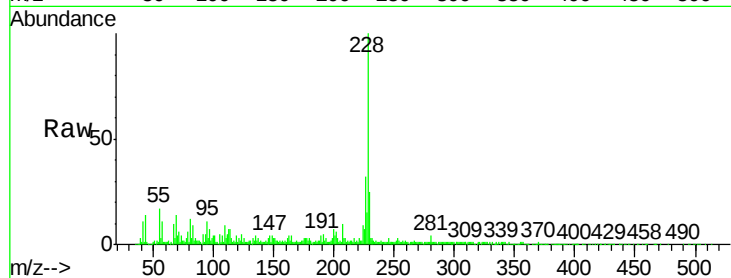
Tot Ion:228 Resp: 265131

Ion Ratio Lower Upper

228 100

226 31.5 26.7 40.1

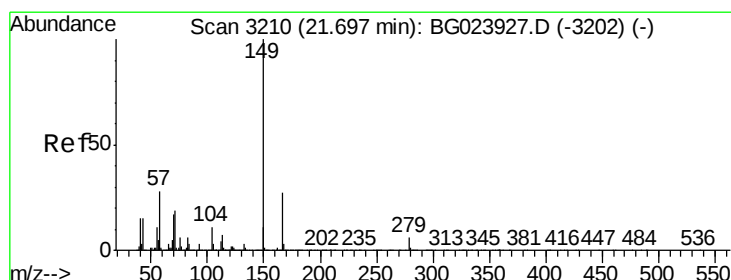
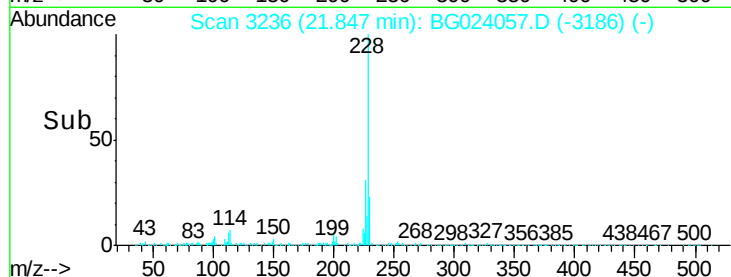
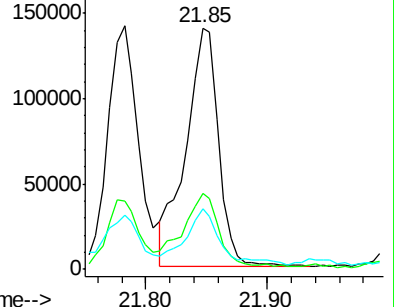
229 24.9 17.4 26.2



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 180.08 ng

RT: 21.66 min Scan# 3204

Delta R.T. 0.00 min

Lab File: BG024057.D

Acq: 21 Sep 2016 16:26

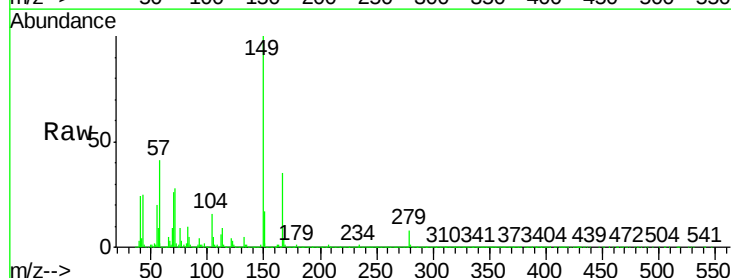
Tgt Ion:149 Resp: 2642109

Ion Ratio Lower Upper

149 100

167 35.3 24.0 36.0

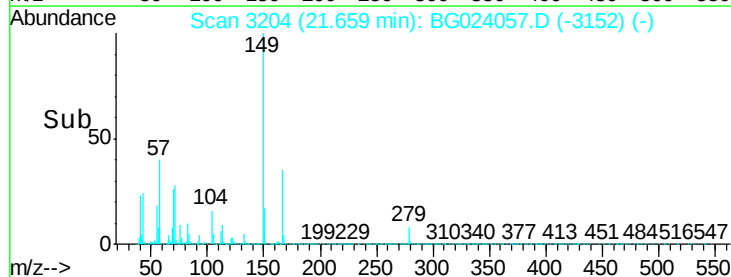
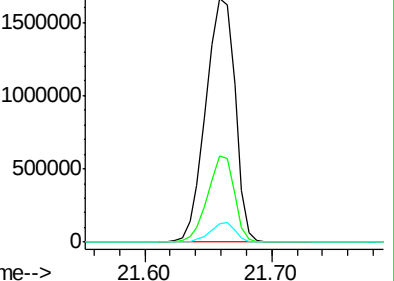
279 7.7 4.8 7.2#

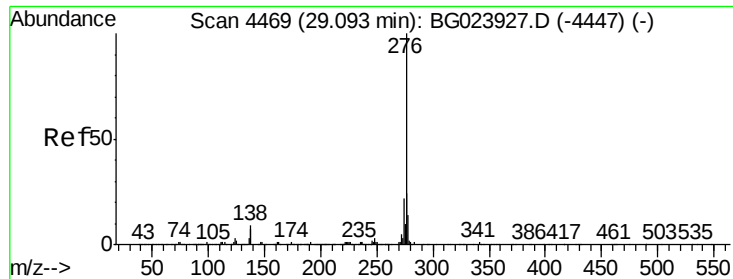


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 4.73 ng

RT: 28.99 min Scan# 4452

Delta R.T. 0.02 min

Lab File: BG024057.D

Acq: 21 Sep 2016 16:26

Instrument :

BNA_G

ClientSampleId :

YORK-SB2-07-DUP

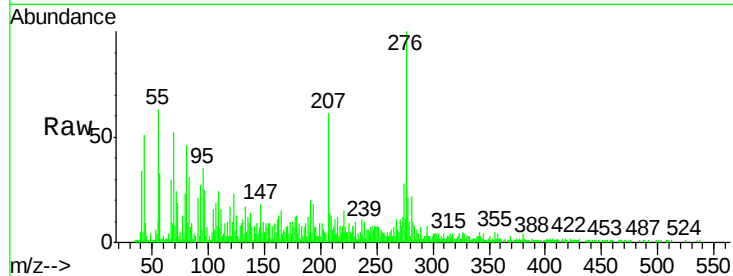
Tot Ion:276 Resp: 126071

Ion Ratio Lower Upper

276 100

138 6.2 0.0 0.0#

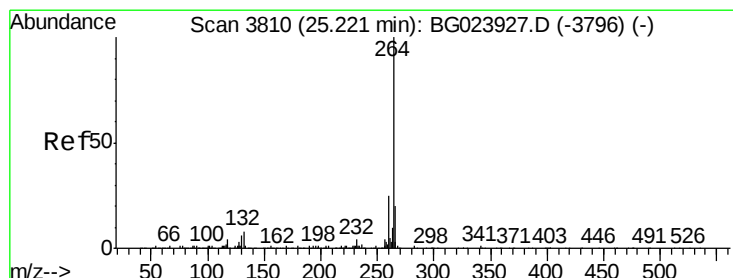
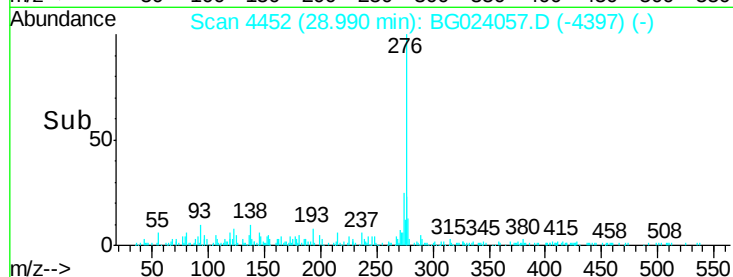
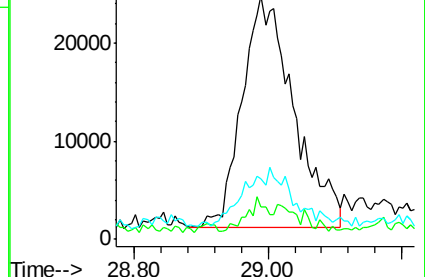
277 0.0 0.0 0.0



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# 3799

Delta R.T. -0.00 min

Lab File: BG024057.D

Acq: 21 Sep 2016 16:26

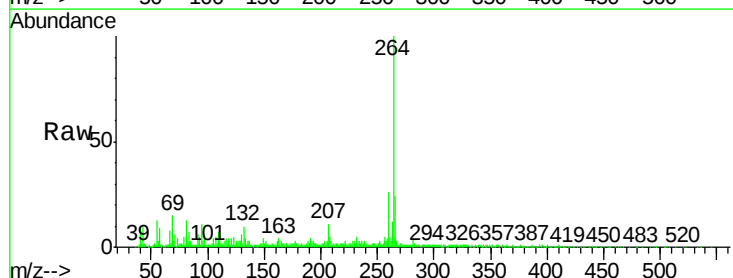
Tgt Ion:264 Resp: 417741

Ion Ratio Lower Upper

264 100

260 25.8 18.4 27.6

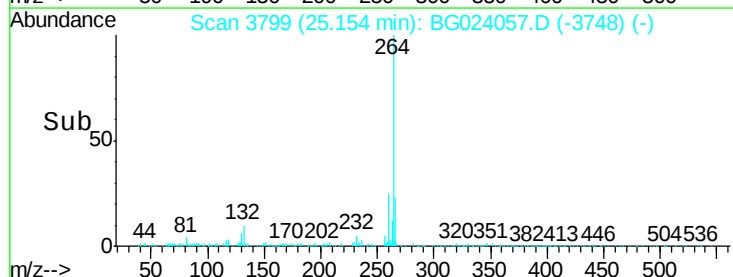
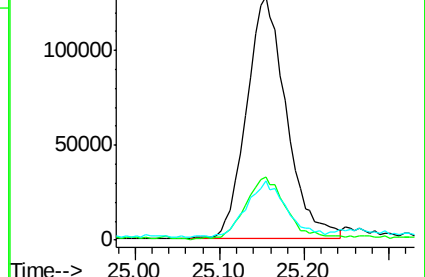
265 24.5 18.9 28.3

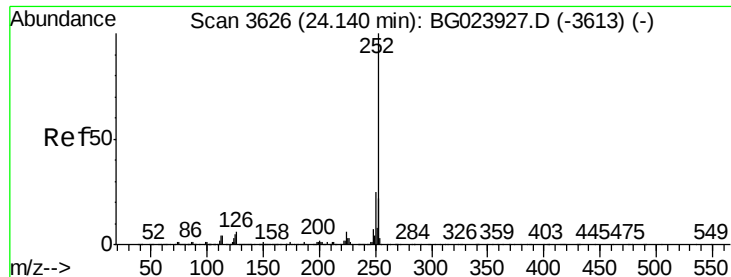


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 13.68 ng

RT: 24.08 min Scan# 3617

Delta R.T. 0.00 min

Lab File: BG024057.D

Acq: 21 Sep 2016 16:26

Instrument :

BNA_G

ClientSampleId :

YORK-SB2-07-DUP

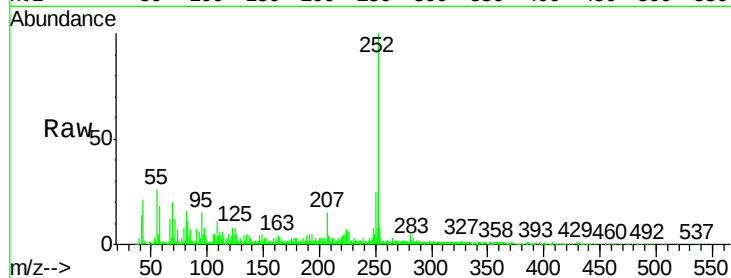
Tot Ion:252 Resp: 324628

Ion Ratio Lower Upper

252 100

253 23.0 18.9 28.3

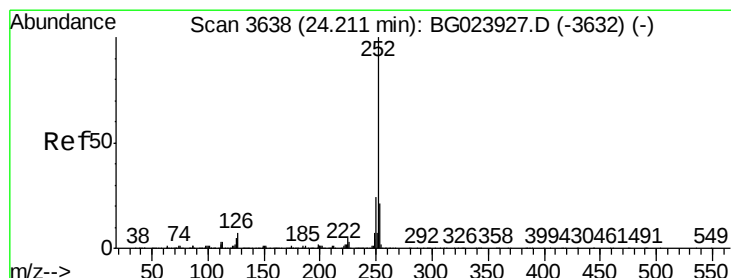
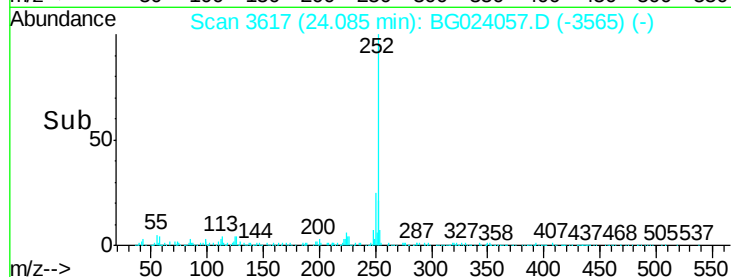
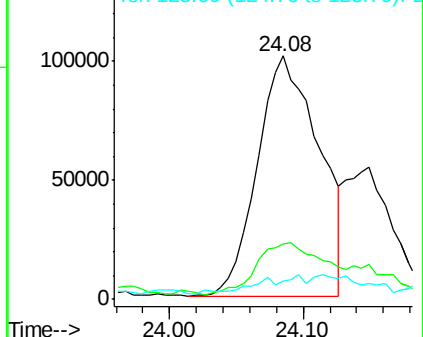
125 7.6 3.9 5.9#



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: 6.15 ng m

RT: 24.15 min Scan# 3628

Delta R.T. -0.00 min

Lab File: BG024057.D

Acq: 21 Sep 2016 16:26

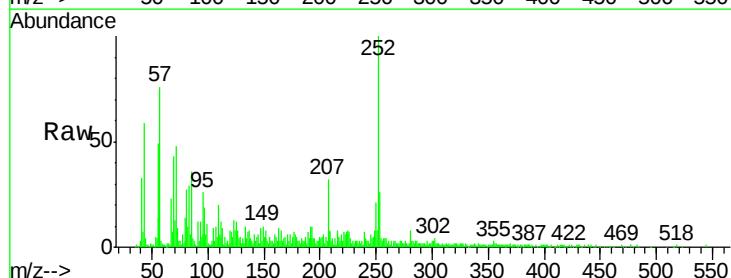
Tgt Ion:252 Resp: 144769

Ion Ratio Lower Upper

252 100

253 26.3 18.8 28.2

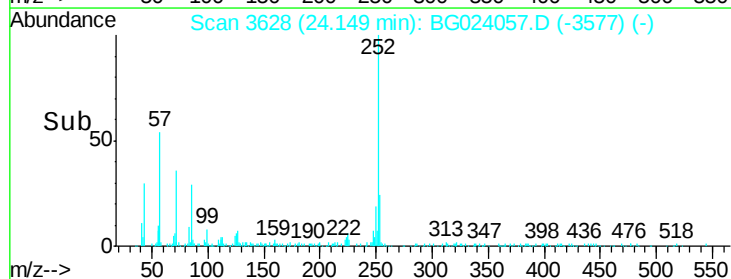
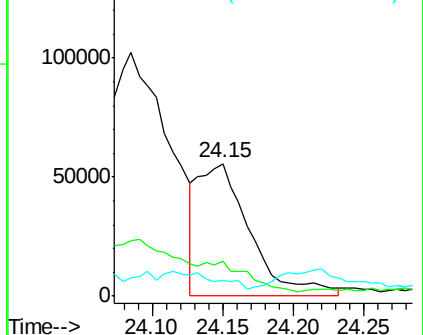
125 12.4 3.2 4.8#

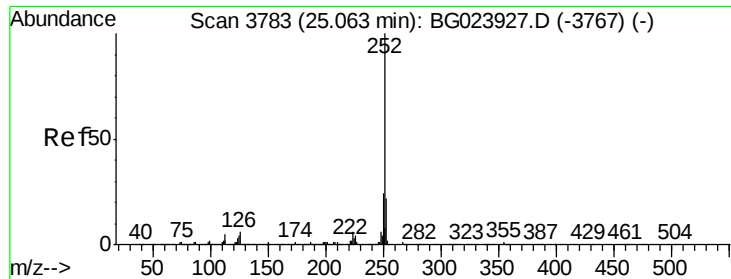


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 9.83 ng

RT: 24.99 min Scan# 3771

Delta R.T. -0.00 min

Lab File: BG024057.D

Acq: 21 Sep 2016 16:26

Instrument :

BNA_G

ClientSampleId :

YORK-SB2-07-DUP

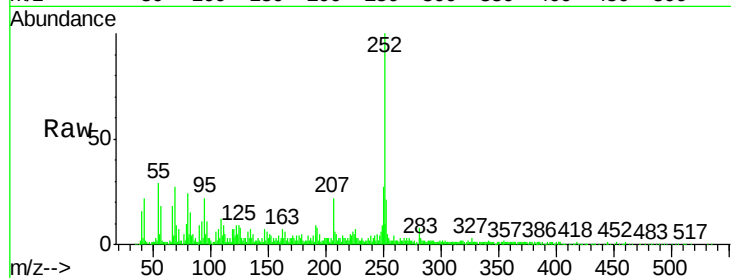
Tot Ion:252 Resp: 221585

Ion Ratio Lower Upper

252 100

253 20.9 18.7 28.1

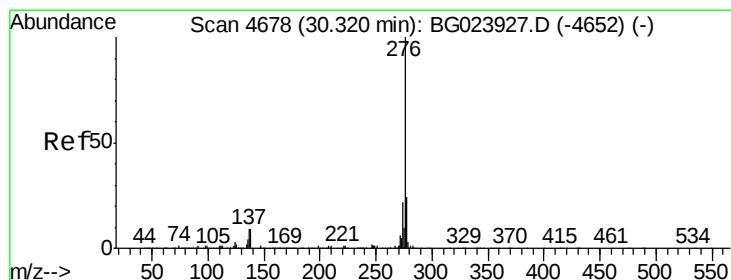
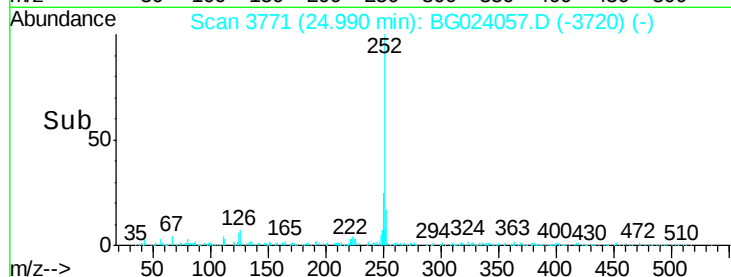
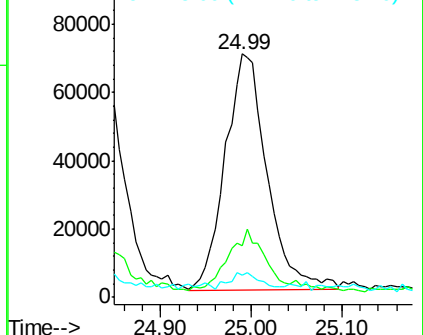
125 9.2 3.9 5.9#



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



#91

Benzo(g,h,i)perylene

Concen: 5.10 ng

RT: 30.21 min Scan# 4659

Delta R.T. 0.04 min

Lab File: BG024057.D

Acq: 21 Sep 2016 16:26

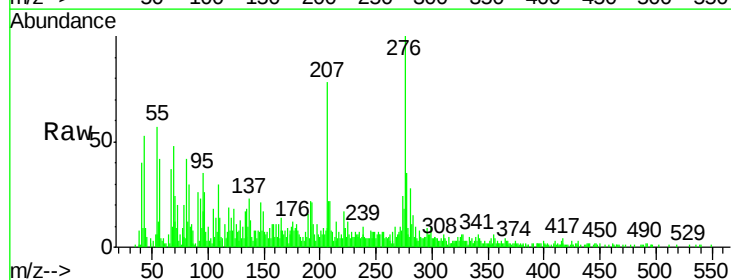
Tgt Ion:276 Resp: 108721

Ion Ratio Lower Upper

276 100

277 34.8 18.6 27.8#

138 13.5 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

