

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092116\
 Data File : BG024052.D
 Acq On : 21 Sep 2016 13:14
 Operator : UM/SJ
 Sample : H4820-13
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 YORK-TP2-02

Quant Time: Sep 21 14:35:23 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

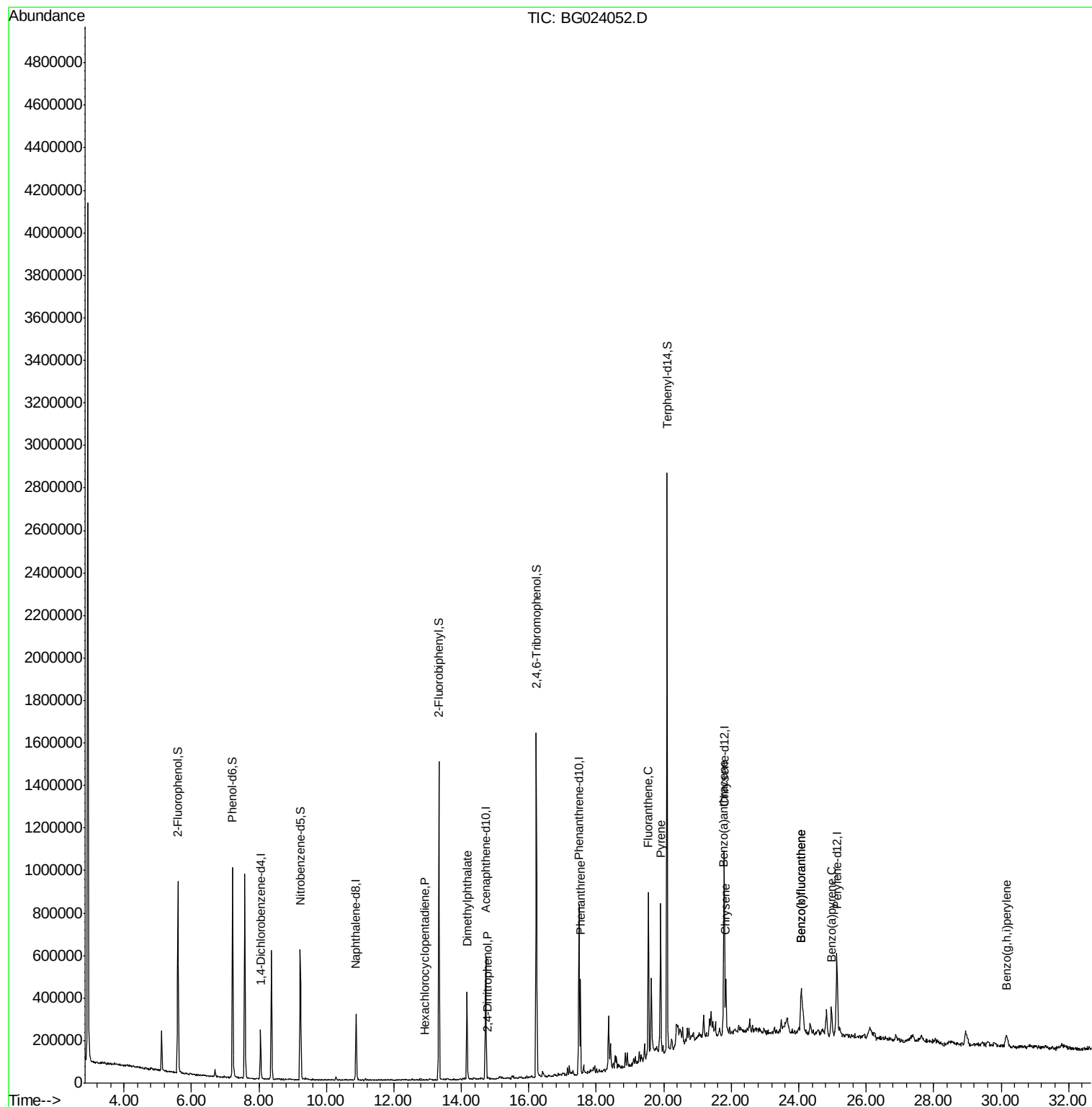
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	54943	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	246411	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	209934	20.00	ng	0.00
63) Phenanthrene-d10	17.49	188	438792	20.00	ng	0.00
75) Chrysene-d12	21.79	240	449226	20.00	ng	-0.01
86) Perylene-d12	25.13	264	445637	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	342080	109.31	ng	0.00
7) Phenol-d6	7.22	99	556086	115.44	ng	0.00
23) Nitrobenzene-d5	9.23	82	409039	74.11	ng	0.00
41) 2,4,6-Tribromophenol	16.22	330	285980	75.61	ng	0.00
44) 2-Fluorobiphenyl	13.33	172	711440	48.59	ng	0.00
78) Terphenyl-d14	20.09	244	1089781	55.25	ng	0.00
Target Compounds						
40) Hexachlorocyclopentadiene	12.91	237	75	7.10	ng	# 26
49) Dimethylphthalate	14.17	163	238534	13.25	ng	97
53) 2,4-Dinitrophenol	14.80	184	53	6.53	ng	# 1
70) Phenanthrene	17.53	178	268772	11.77	ng	96
74) Fluoranthene	19.54	202	463706	16.87	ng	93
77) Pyrene	19.91	202	454924	16.47	ng	# 91
80) Benzo(a)anthracene	21.77	228	214106	8.51	ng	93
82) Chrysene	21.84	228	184016	7.69	ng	99
87) Benzo(b)fluoranthene	24.07	252	223027	8.81	ng	# 94
88) Benzo(k)fluoranthene	24.07	252	223027	8.89	ng	# 94
89) Benzo(a)pyrene	24.97	252	154586	6.43	ng	# 96
91) Benzo(g,h,i)perylene	30.16	276	115262	5.07	ng	# 91

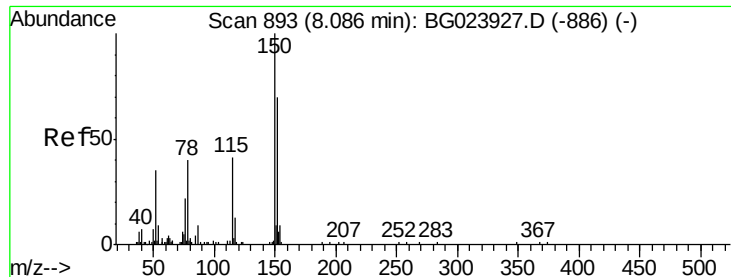
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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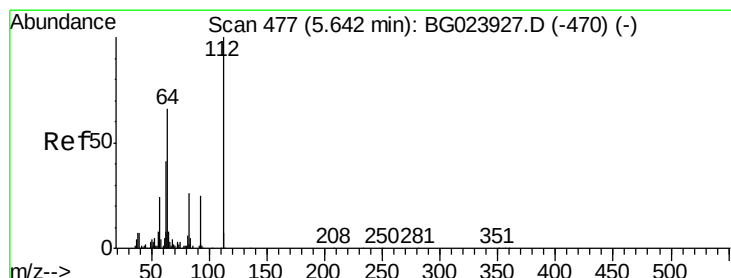
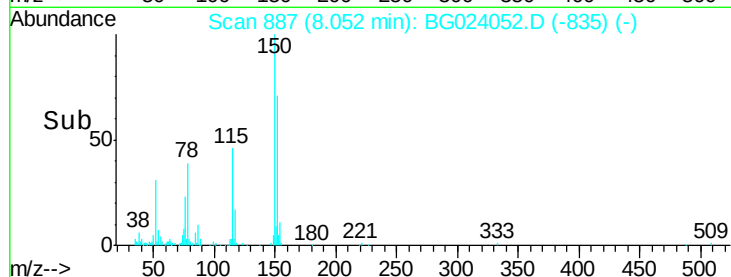
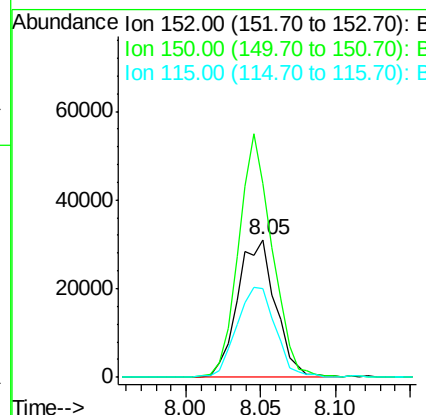
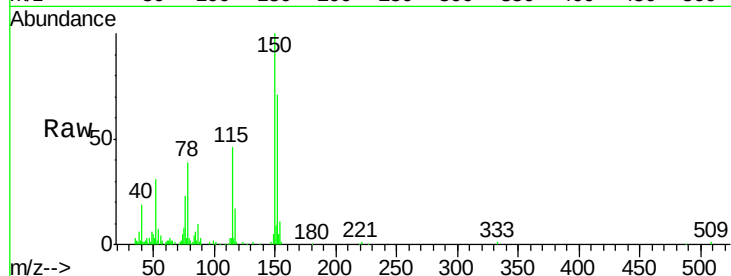


#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.05 min Scan# 887
 Delta R.T. 0.00 min
 Lab File: BG024052.D
 Acq: 21 Sep 2016 13:14

Instrument :
 BNA_G
 ClientSampleId :
 YORK-TP2-02

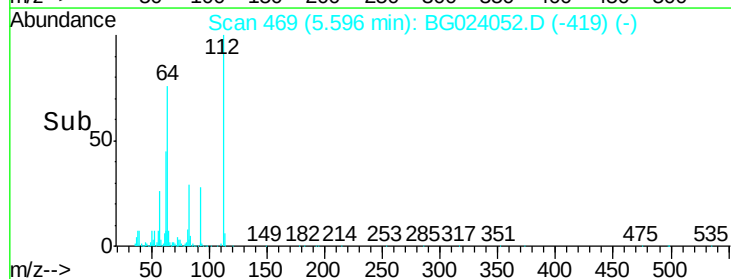
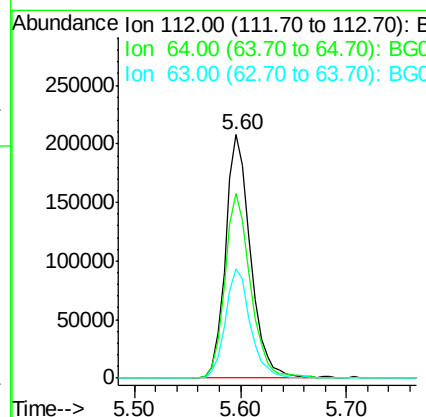
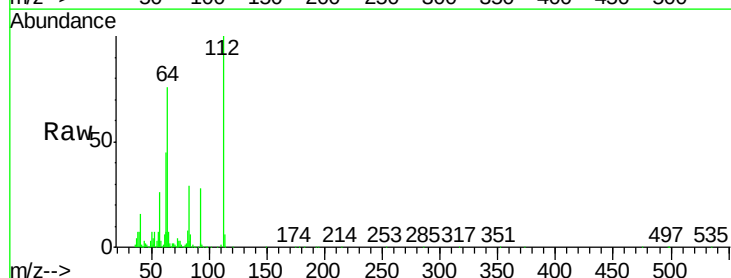
Tgt Ion:152 Resp: 54943
 Ion Ratio Lower Upper
 152 100
 150 141.0 144.7 217.1#
 115 64.6 64.0 96.0

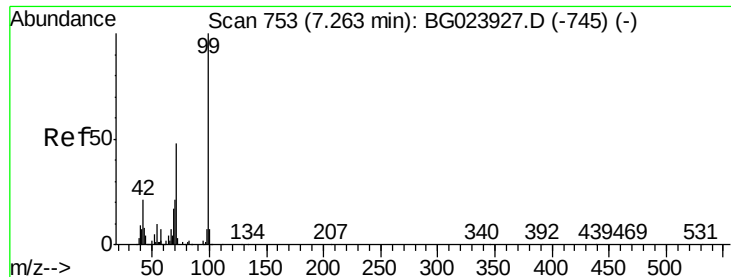


#5

2-Fluorophenol
 Concen: 109.31 ng
 RT: 5.60 min Scan# 469
 Delta R.T. -0.01 min
 Lab File: BG024052.D
 Acq: 21 Sep 2016 13:14

Tgt Ion:112 Resp: 342080
 Ion Ratio Lower Upper
 112 100
 64 76.0 59.0 88.4
 63 45.0 37.8 56.8





#7

Phenol-d6

Concen: 115.44 ng

RT: 7.22 min Scan# 745

Delta R.T. -0.00 min

Lab File: BG024052.D

Acq: 21 Sep 2016 13:14

Instrument :

BNA_G

ClientSampleId :

YORK-TP2-02

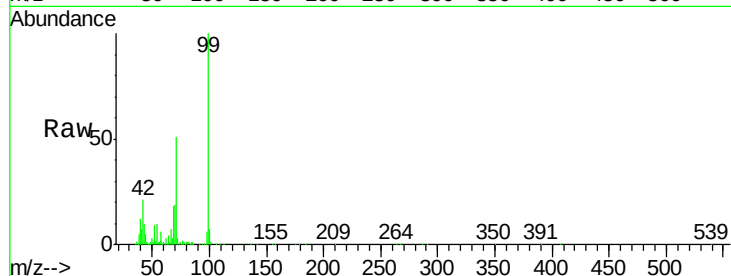
Tgt Ion: 99 Resp: 556086

Ion Ratio Lower Upper

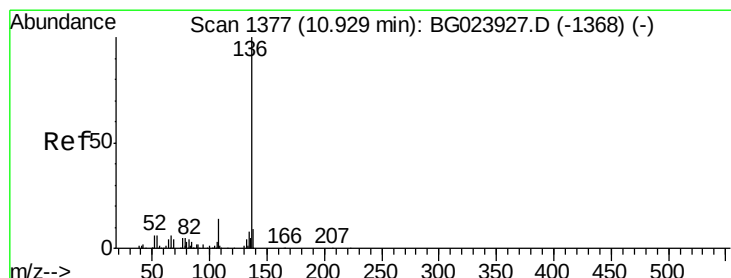
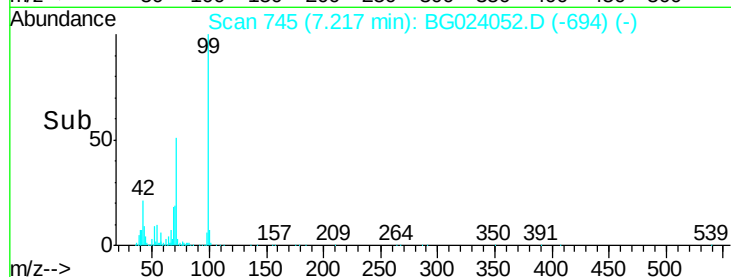
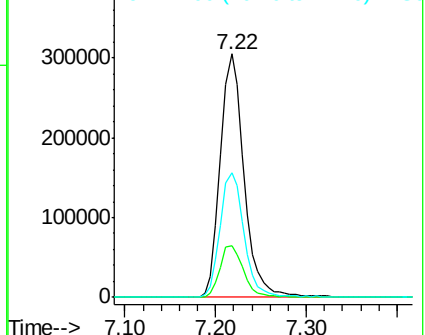
99 100

42 21.3 17.8 26.6

71 51.0 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. -0.00 min

Lab File: BG024052.D

Acq: 21 Sep 2016 13:14

Tgt Ion: 136 Resp: 246411

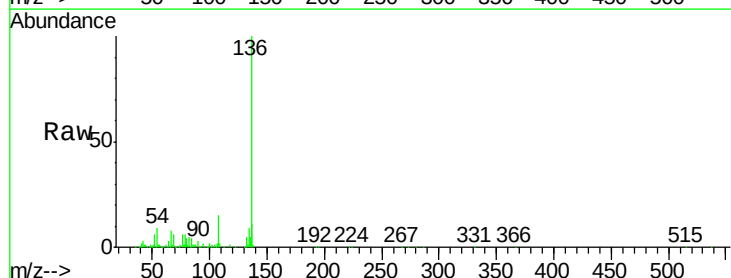
Ion Ratio Lower Upper

136 100

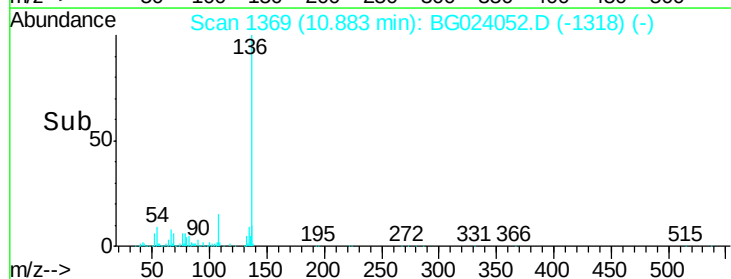
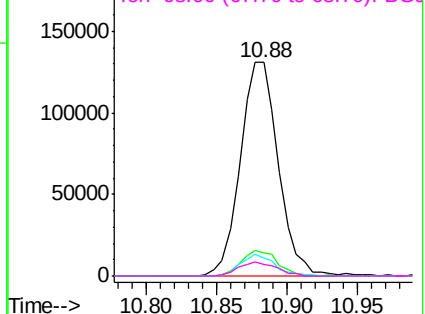
137 10.6 9.6 14.4

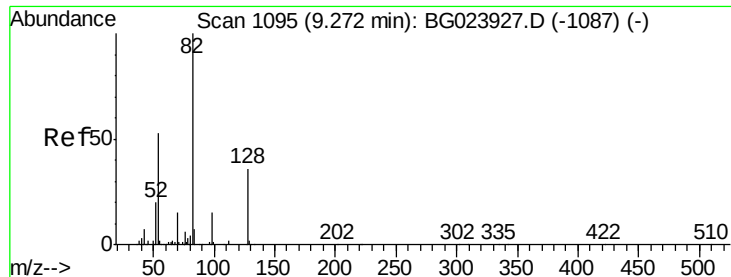
54 8.5 7.3 10.9

68 5.6 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

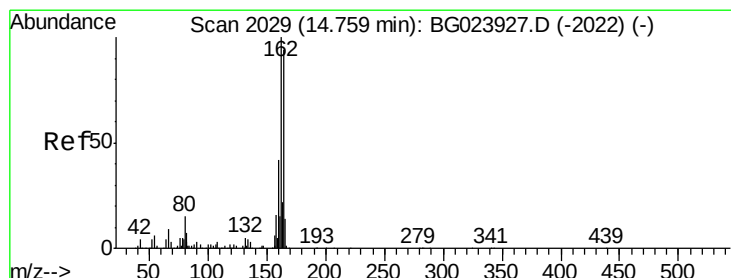
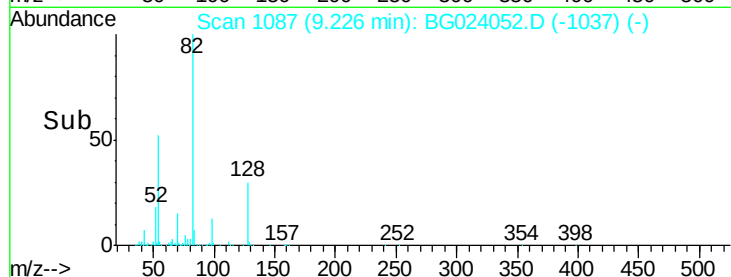
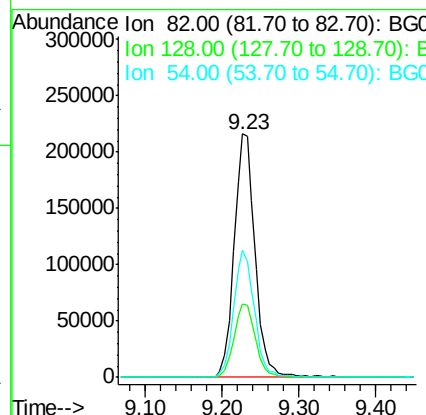
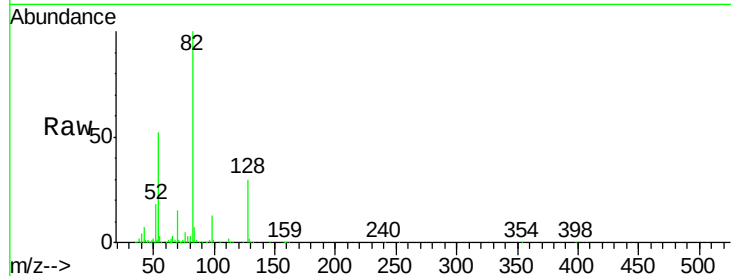




#23
 Nitrobenzene-d5
 Concen: 74.11 ng
 RT: 9.23 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: BG024052.D
 Acq: 21 Sep 2016 13:14

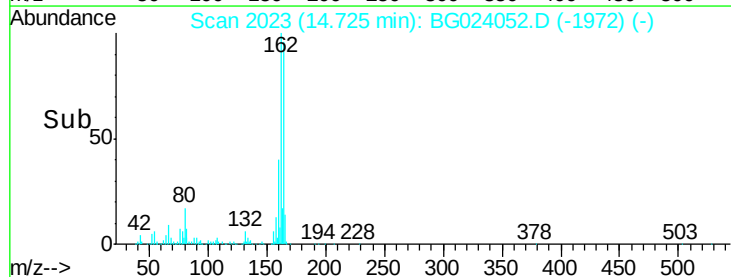
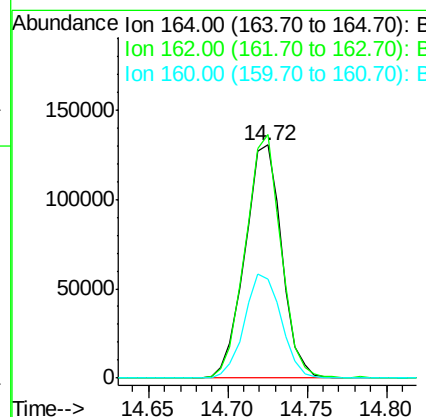
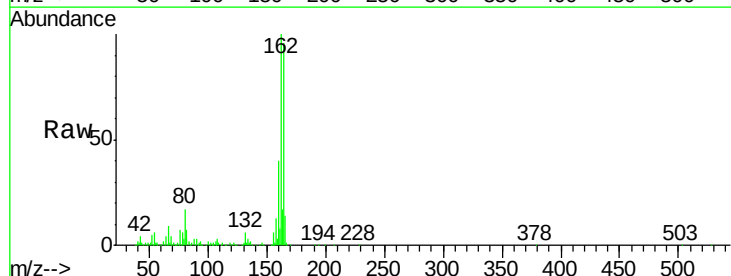
Instrument :
 BNA_G
 ClientSampleId :
 YORK-TP2-02

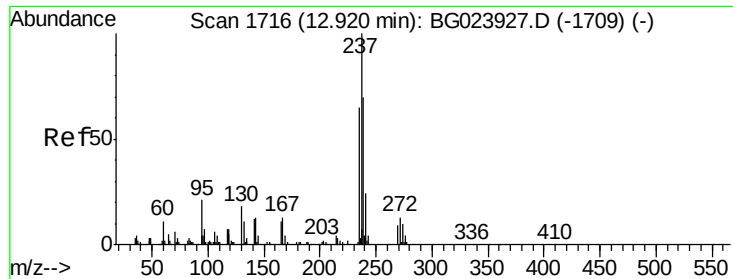
Tgt Ion	Ratio	Lower	Upper
82	100		
128	30.2	24.4	36.6
54	52.3	41.4	62.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.72 min Scan# 2023
 Delta R.T. -0.00 min
 Lab File: BG024052.D
 Acq: 21 Sep 2016 13:14

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.4	87.7	131.5
160	42.3	37.2	55.8





#40

Hexachlorocyclopentadiene

Concen: 7.10 ng

RT: 12.91 min Scan# 1714

Delta R.T. 0.03 min

Lab File: BG024052.D

Acq: 21 Sep 2016 13:14

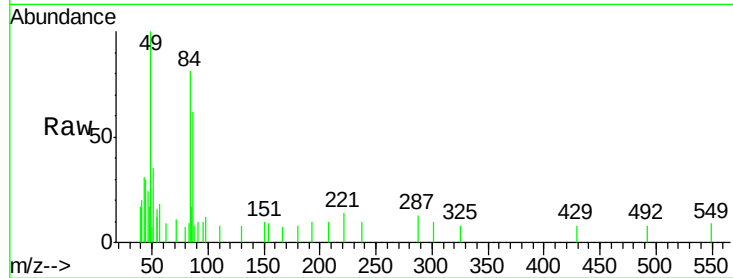
Instrument :

BNA_G

ClientSampleId :

YORK-TP2-02

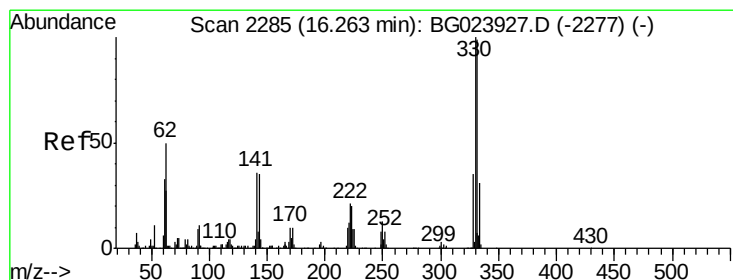
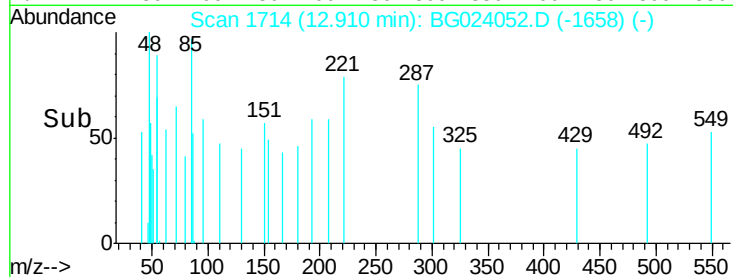
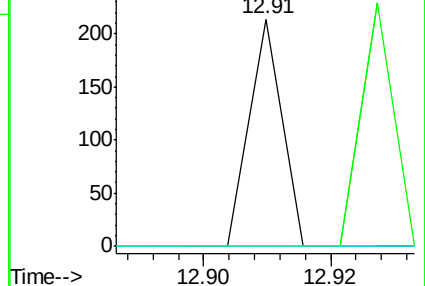
Tgt Ion:	237	Resp:	75
Ion	Ratio	Lower	Upper
237	100		
235	0.0	43.1	83.1#
272	0.0	0.0	30.9



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: 75.61 ng

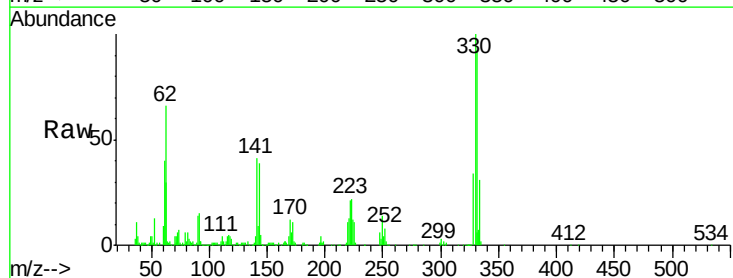
RT: 16.22 min Scan# 2278

Delta R.T. -0.01 min

Lab File: BG024052.D

Acq: 21 Sep 2016 13:14

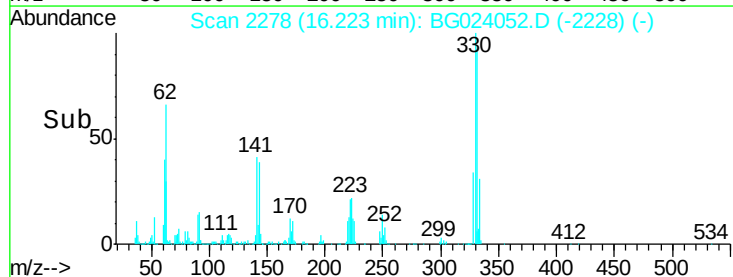
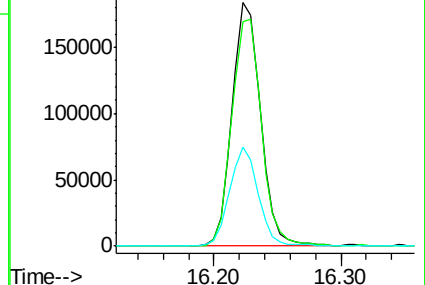
Tgt Ion:	330	Resp:	285980
Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.4	116.2
141	40.5	31.7	47.5

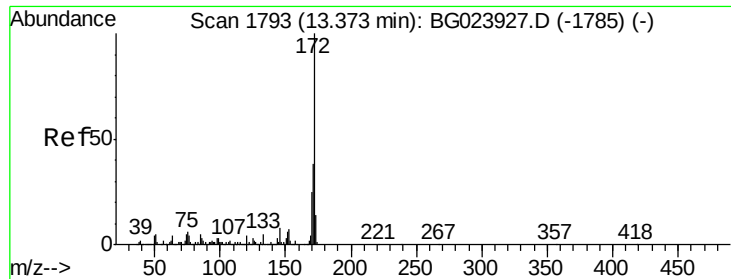


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 48.59 ng

RT: 13.33 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BG024052.D

Acq: 21 Sep 2016 13:14

Instrument :

BNA_G

ClientSampleId :

YORK-TP2-02

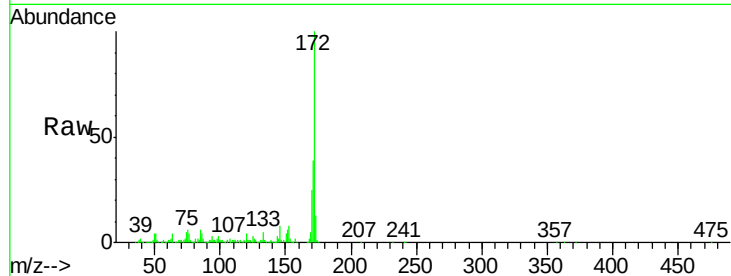
Tgt Ion:172 Resp: 711440

Ion Ratio Lower Upper

172 100

171 38.6 31.6 47.4

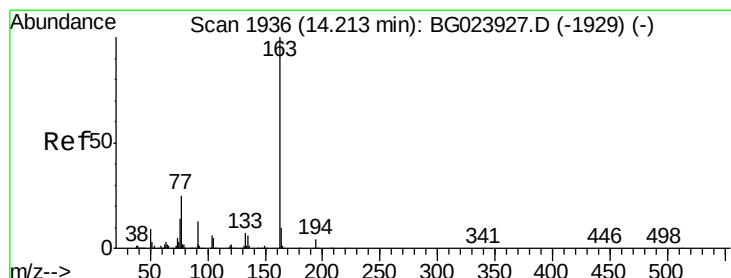
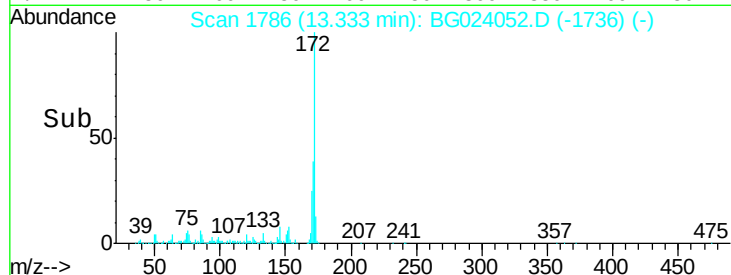
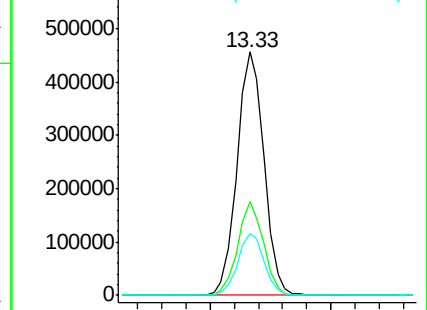
170 25.5 21.3 31.9



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: 13.25 ng

RT: 14.17 min Scan# 1928

Delta R.T. -0.01 min

Lab File: BG024052.D

Acq: 21 Sep 2016 13:14

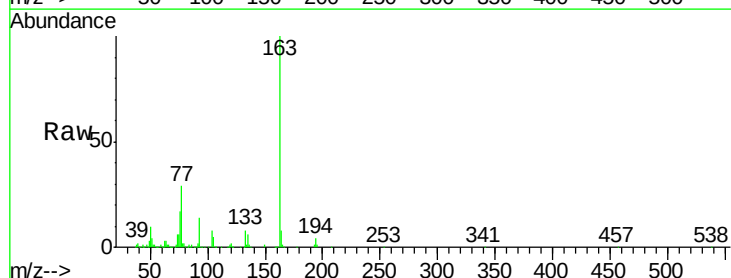
Tgt Ion:163 Resp: 238534

Ion Ratio Lower Upper

163 100

194 4.3 3.6 5.4

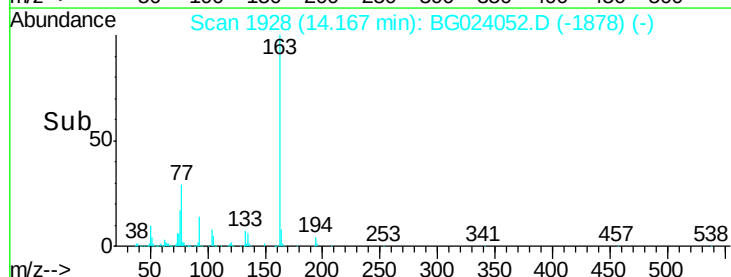
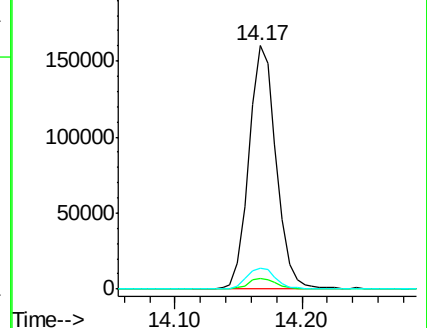
164 8.4 8.1 12.1

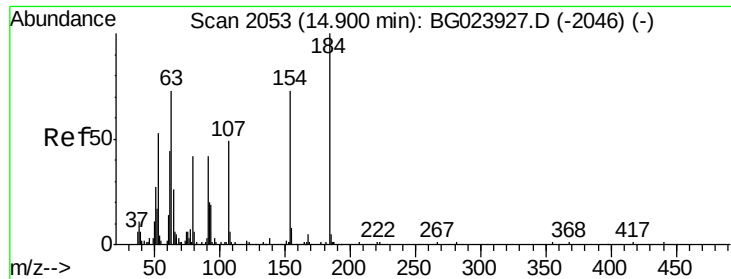


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

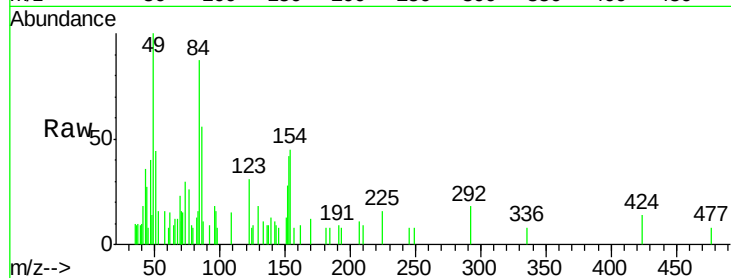




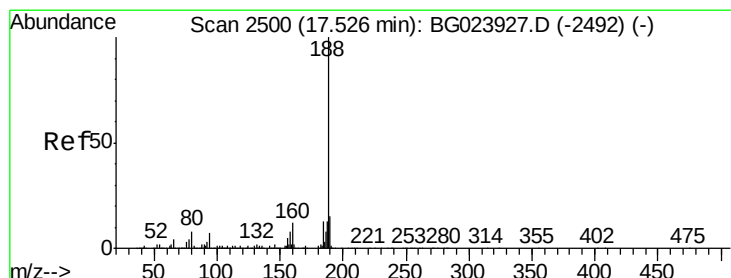
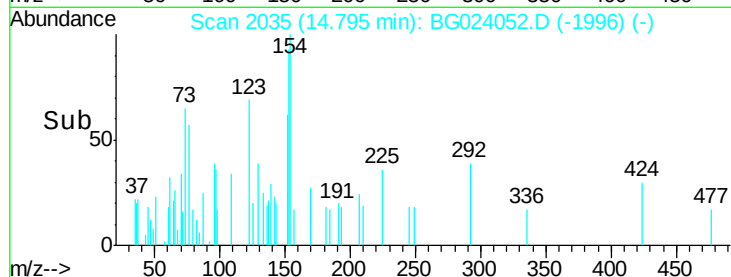
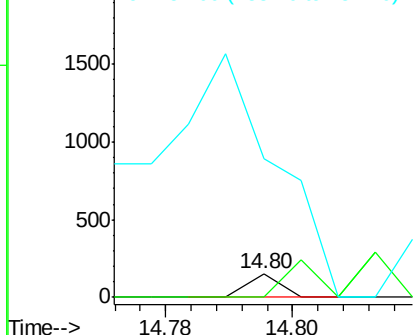
#53
 2,4-Dinitrophenol
 Concen: 6.53 ng
 RT: 14.80 min Scan# 2035
 Delta R.T. -0.07 min
 Lab File: BG024052.D
 Acq: 21 Sep 2016 13:14

Instrument :
 BNA_G
 ClientSampleId :
 YORK-TP2-02

Tgt Ion:184 Resp: 53
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.6 89.4#
 154 592.1 67.4 101.0#

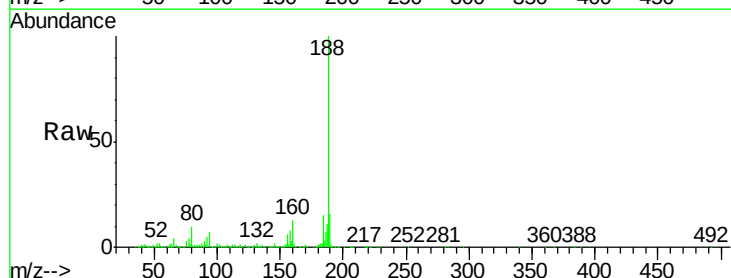


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 154.00 (153.70 to 154.70): E

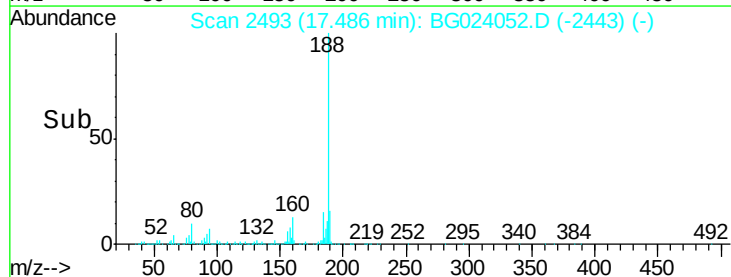
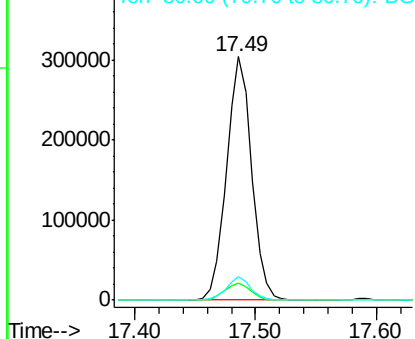


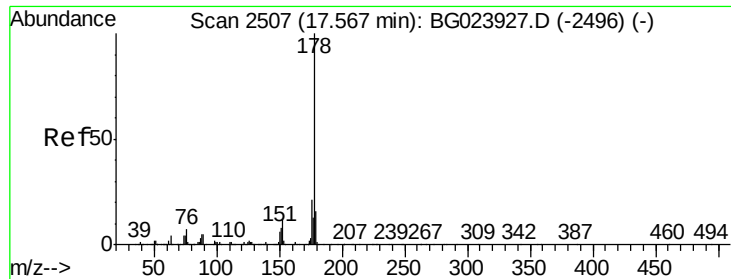
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.49 min Scan# 2493
 Delta R.T. -0.01 min
 Lab File: BG024052.D
 Acq: 21 Sep 2016 13:14

Tgt Ion:188 Resp: 438792
 Ion Ratio Lower Upper
 188 100
 94 7.2 5.2 7.8
 80 9.7 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: 11.77 ng

RT: 17.53 min Scan# 2500

Delta R.T. -0.01 min

Lab File: BG024052.D

Acq: 21 Sep 2016 13:14

Instrument :

BNA_G

ClientSampleId :

YORK-TP2-02

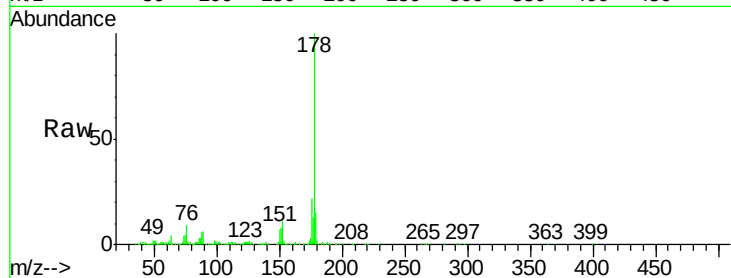
Tgt Ion:178 Resp: 268772

Ion Ratio Lower Upper

178 100

176 21.6 16.8 25.2

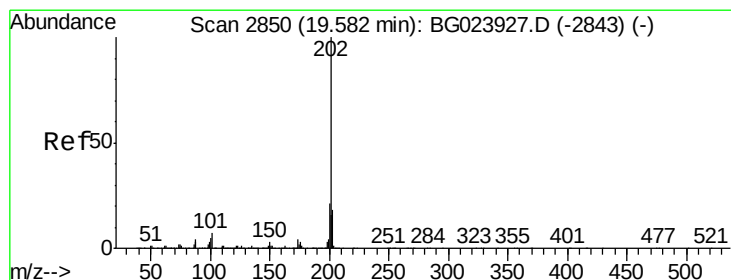
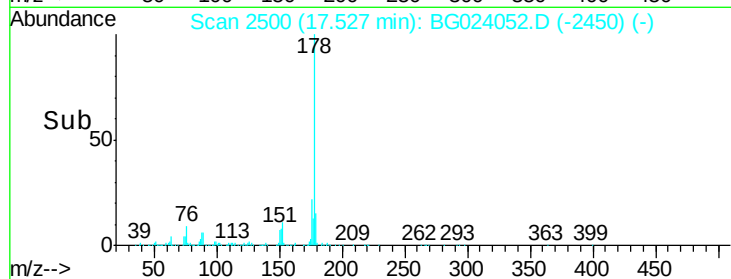
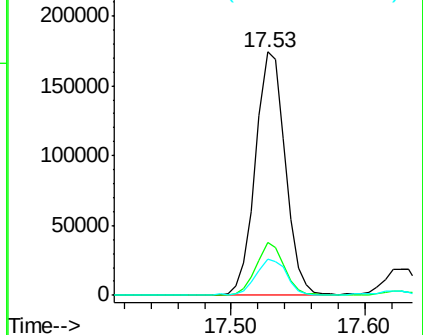
179 14.9 14.3 21.5



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: 16.87 ng

RT: 19.54 min Scan# 2843

Delta R.T. -0.01 min

Lab File: BG024052.D

Acq: 21 Sep 2016 13:14

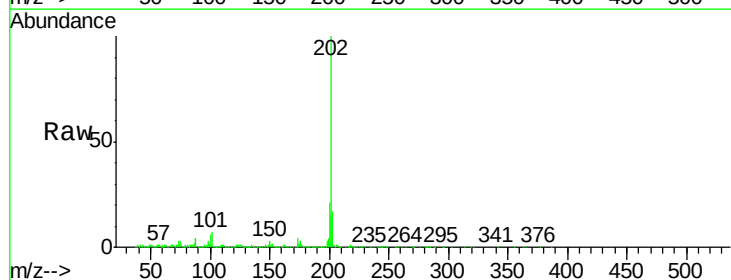
Tgt Ion:202 Resp: 463706

Ion Ratio Lower Upper

202 100

101 7.3 0.0 27.4

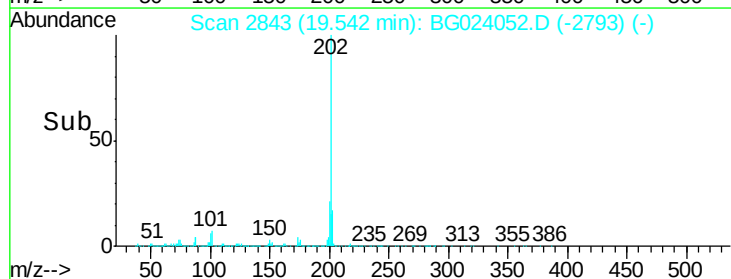
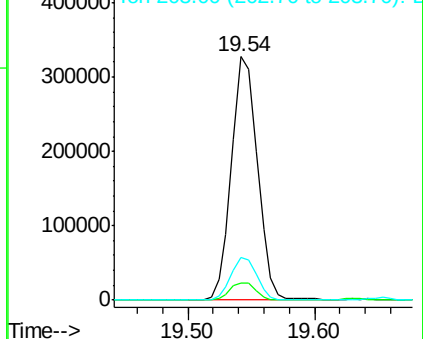
203 17.5 1.7 41.7

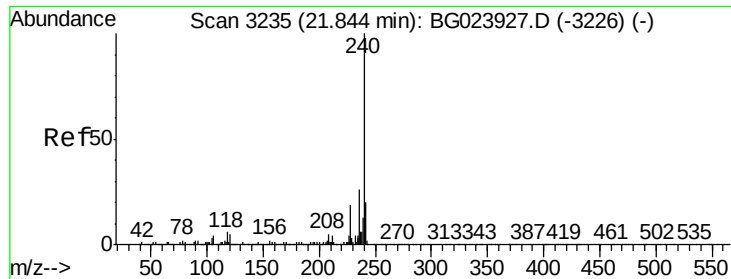


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.79 min Scan# 3226

Delta R.T. -0.01 min

Lab File: BG024052.D

Acq: 21 Sep 2016 13:14

Instrument :

BNA_G

ClientSampleId :

YORK-TP2-02

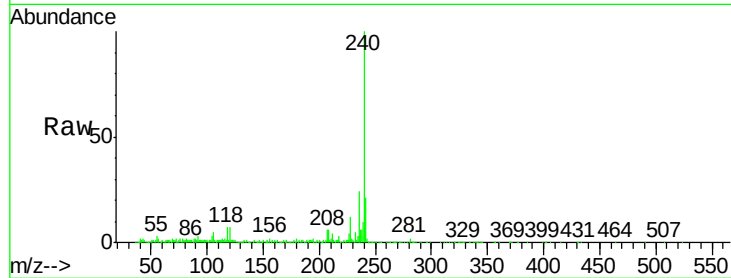
Tgt Ion:240 Resp: 449226

Ion Ratio Lower Upper

240 100

120 6.5 4.1 6.1#

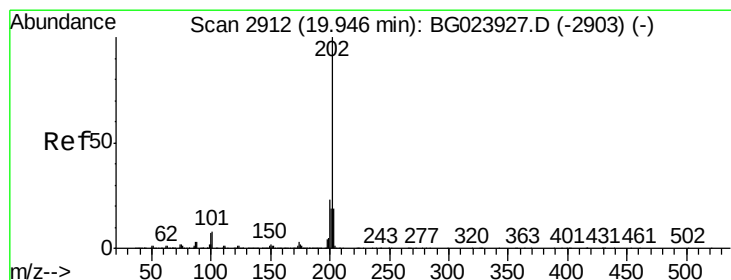
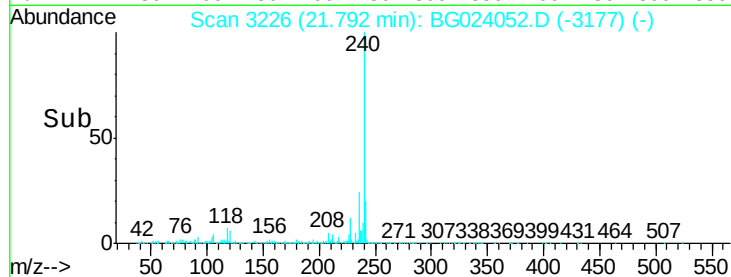
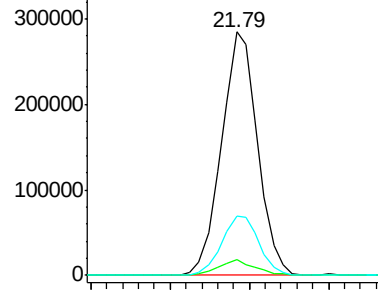
236 24.3 21.1 31.7



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: 16.47 ng

RT: 19.91 min Scan# 2906

Delta R.T. -0.00 min

Lab File: BG024052.D

Acq: 21 Sep 2016 13:14

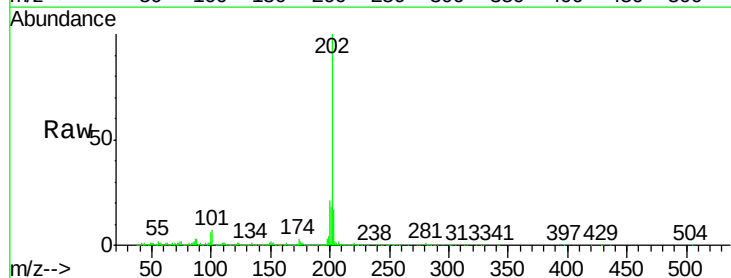
Tgt Ion:202 Resp: 454924

Ion Ratio Lower Upper

202 100

200 21.1 21.2 31.8#

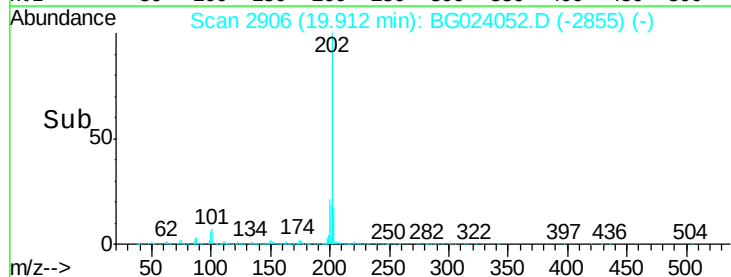
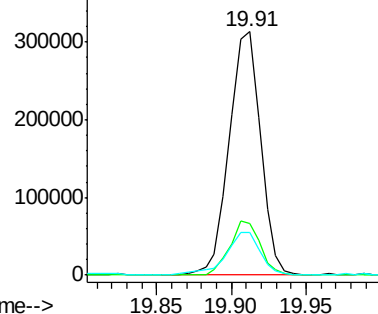
203 17.4 16.8 25.2

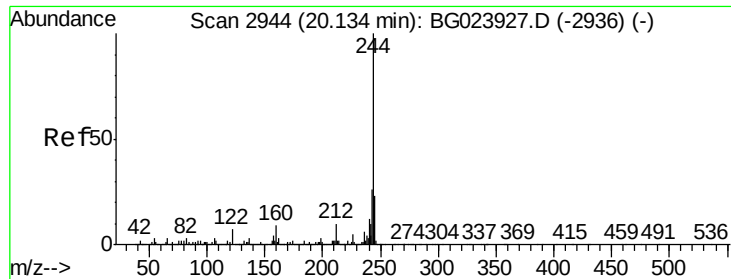


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

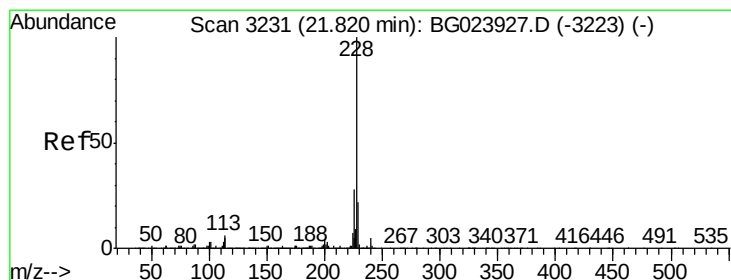
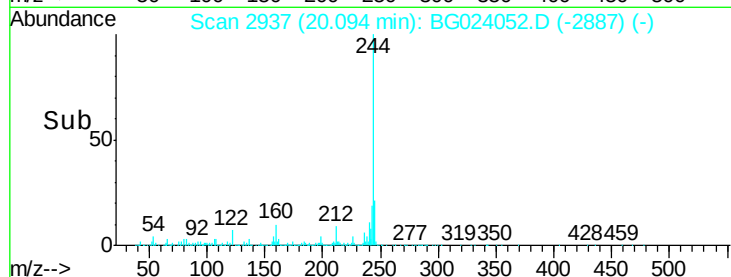
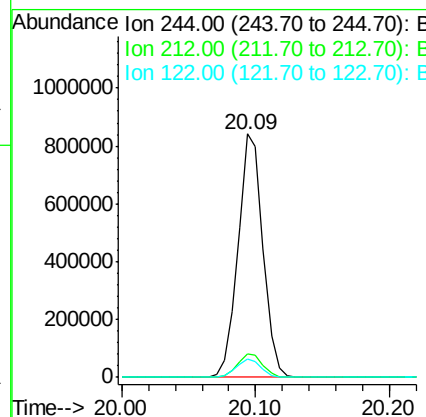
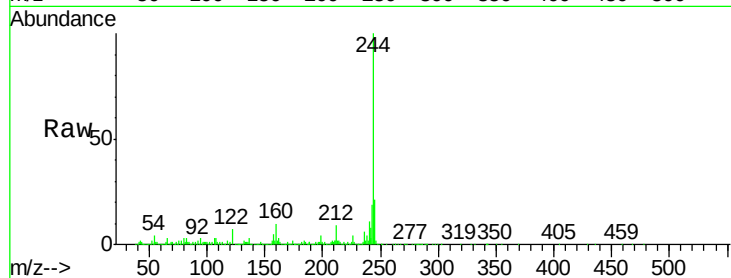




#78
 Terphenyl-d14
 Concen: 55.25 ng
 RT: 20.09 min Scan# 2937
 Delta R.T. -0.01 min
 Lab File: BG024052.D
 Acq: 21 Sep 2016 13:14

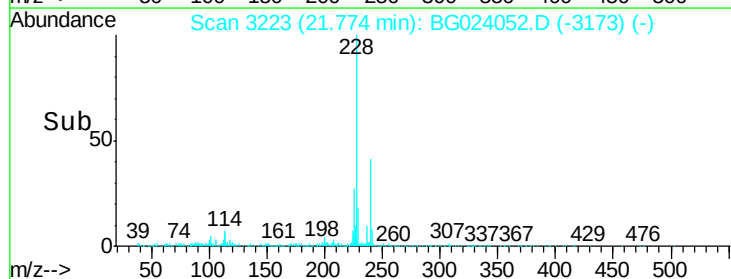
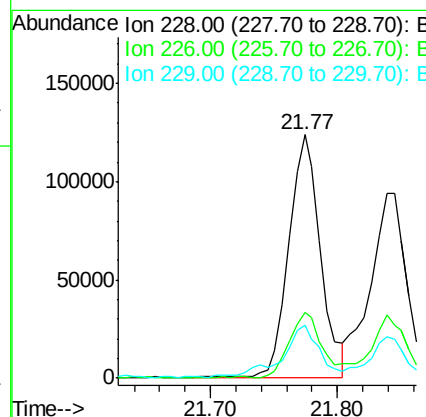
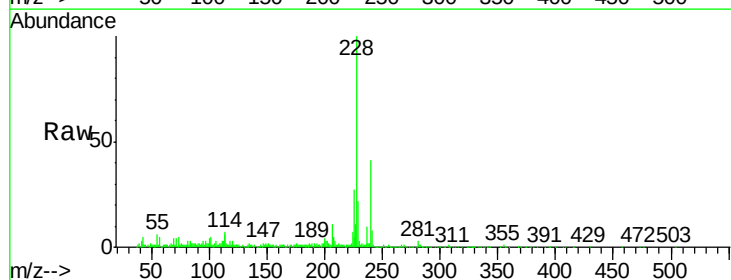
Instrument :
 BNA_G
 ClientSampleId :
 YORK-TP2-02

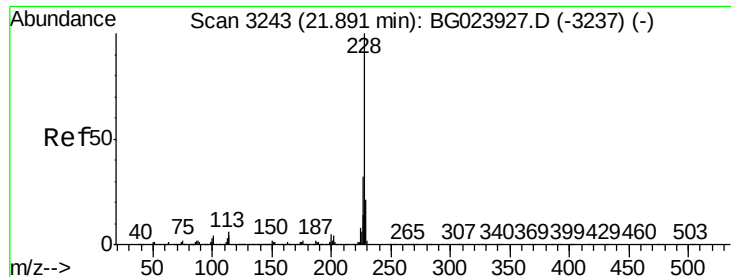
Tgt Ion:244 Resp: 1089781
 Ion Ratio Lower Upper
 244 100
 212 9.4 10.8 16.2#
 122 7.3 8.0 12.0#



#80
 Benzo(a)anthracene
 Concen: 8.51 ng
 RT: 21.77 min Scan# 3223
 Delta R.T. -0.01 min
 Lab File: BG024052.D
 Acq: 21 Sep 2016 13:14

Tgt Ion:228 Resp: 214106
 Ion Ratio Lower Upper
 228 100
 226 27.1 25.3 37.9
 229 21.7 19.9 29.9





#82

Chrysene

Concen: 7.69 ng

RT: 21.84 min Scan# 3234

Delta R.T. -0.01 min

Lab File: BG024052.D

Acq: 21 Sep 2016 13:14

Instrument :

BNA_G

ClientSampleId :

YORK-TP2-02

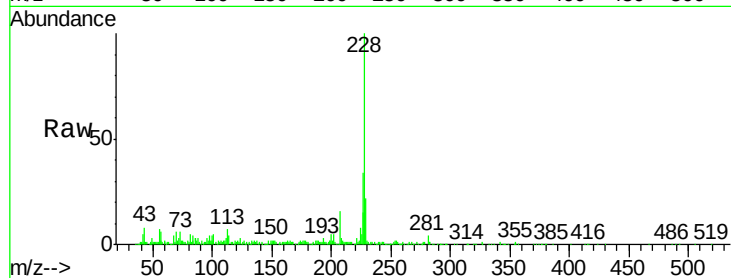
Tgt Ion:228 Resp: 184016

Ion Ratio Lower Upper

228 100

226 34.1 26.7 40.1

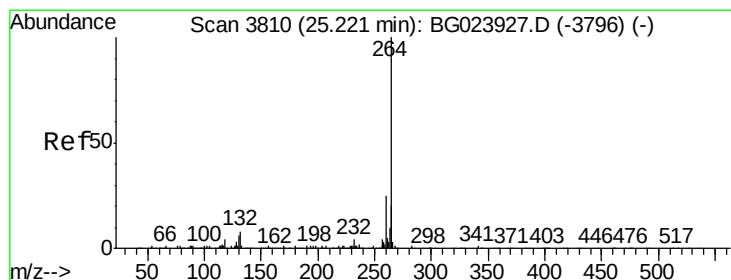
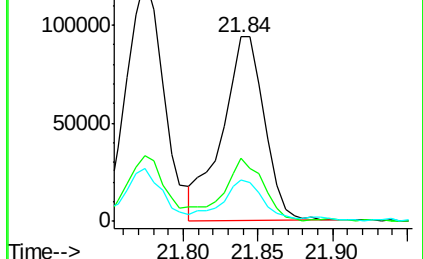
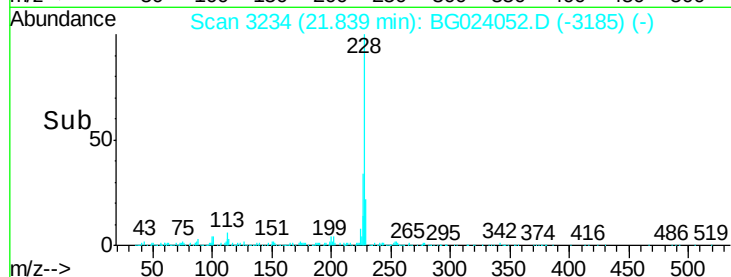
229 22.3 17.4 26.2



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.13 min Scan# 3794

Delta R.T. -0.03 min

Lab File: BG024052.D

Acq: 21 Sep 2016 13:14

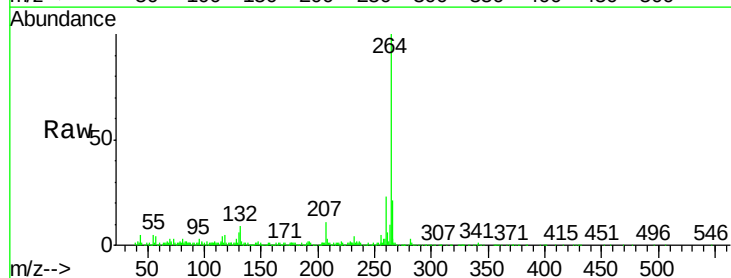
Tgt Ion:264 Resp: 445637

Ion Ratio Lower Upper

264 100

260 23.3 18.4 27.6

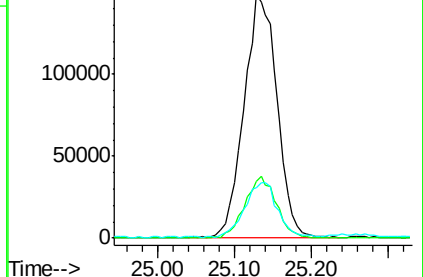
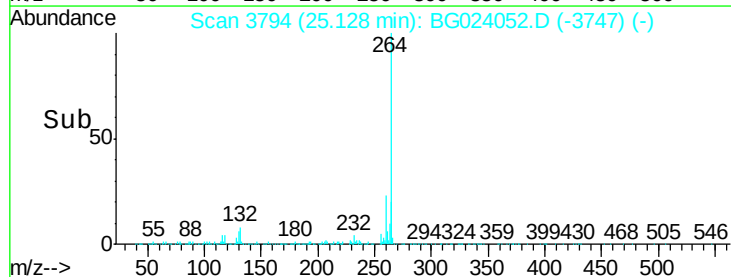
265 20.7 18.9 28.3

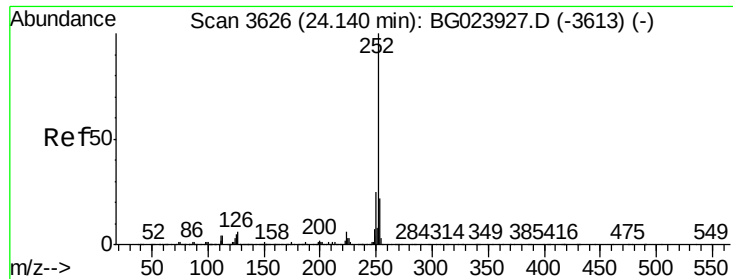


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 8.81 ng

RT: 24.07 min Scan# 3614

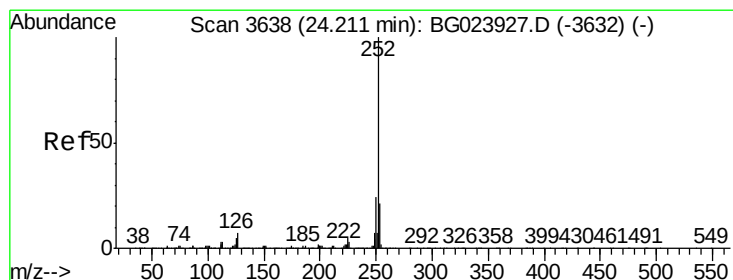
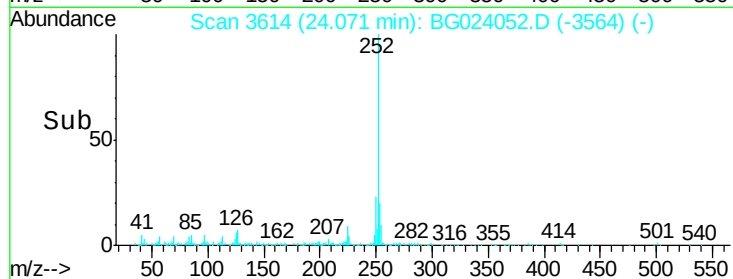
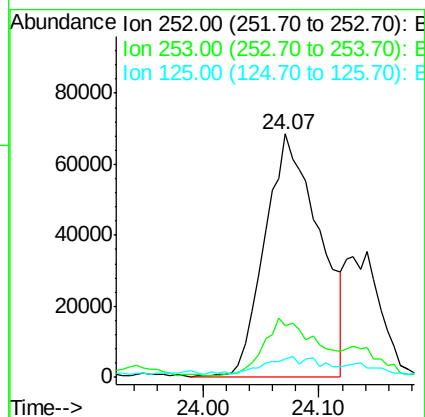
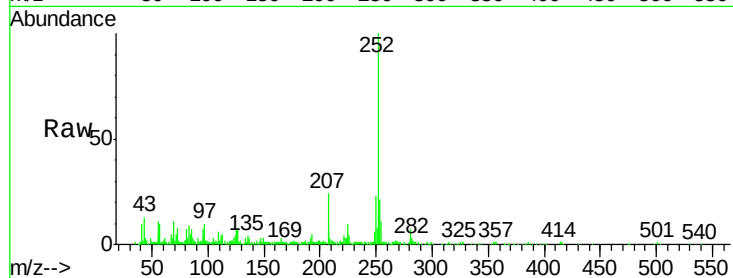
Delta R.T. -0.01 min

Lab File: BG024052.D

Acq: 21 Sep 2016 13:14

Instrument :
BNA_G
ClientSampleId :
YORK-TP2-02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.0	18.9	28.3
125	7.4	3.9	5.9



#88

Benzo(k)fluoranthene

Concen: 8.89 ng

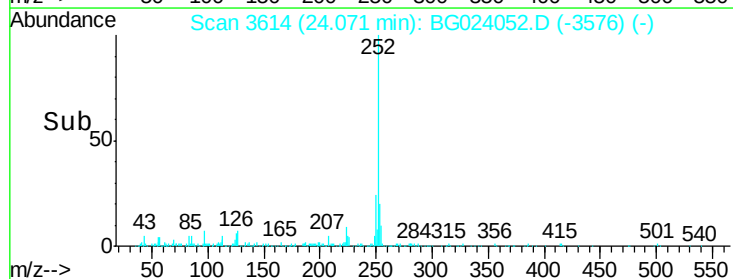
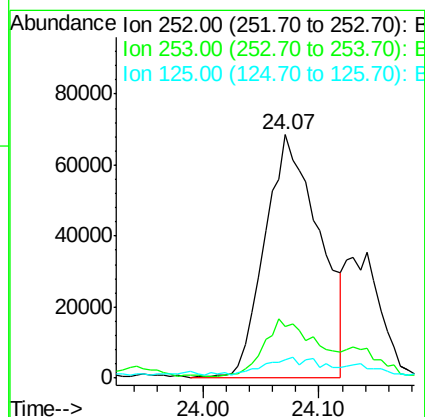
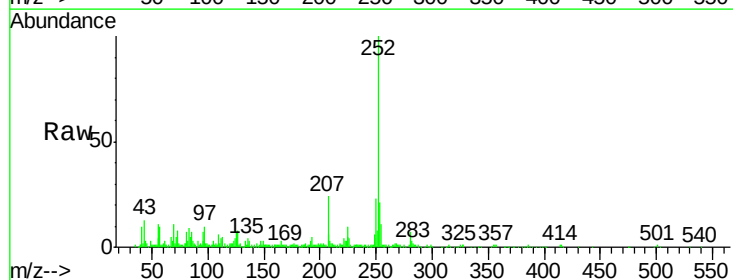
RT: 24.07 min Scan# 3614

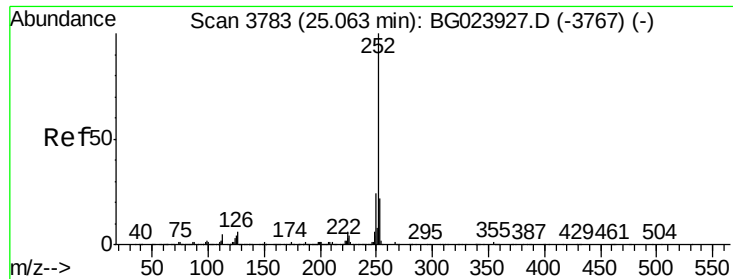
Delta R.T. -0.08 min

Lab File: BG024052.D

Acq: 21 Sep 2016 13:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.0	18.8	28.2
125	7.4	3.2	4.8





#89

Benzo(a)pyrene

Concen: 6.43 ng

RT: 24.97 min Scan# 3767

Delta R.T. -0.02 min

Lab File: BG024052.D

Acq: 21 Sep 2016 13:14

Instrument :

BNA_G

ClientSampleId :

YORK-TP2-02

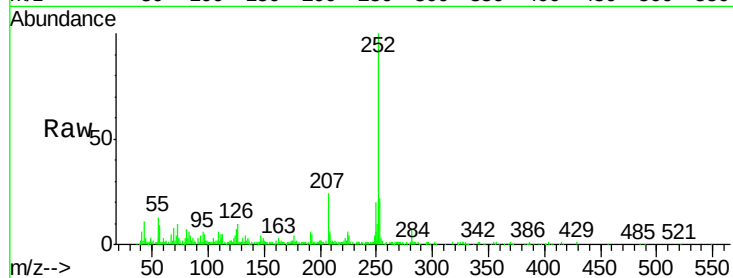
Tgt Ion:252 Resp: 154586

Ion Ratio Lower Upper

252 100

253 21.9 18.7 28.1

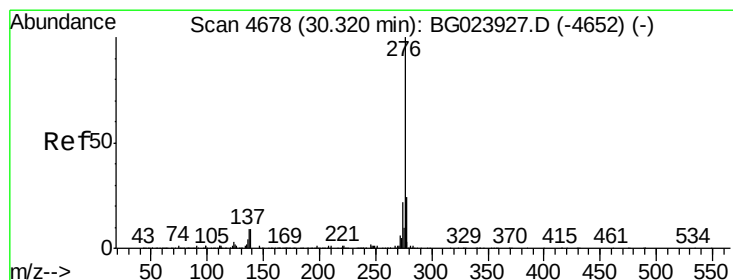
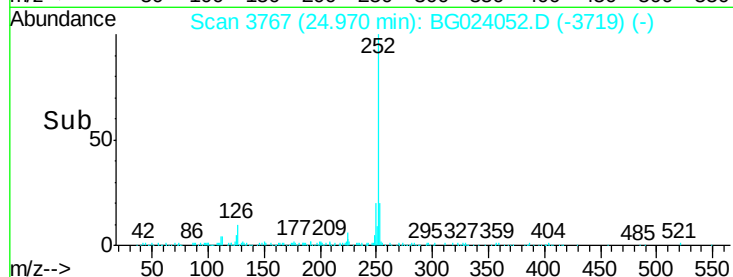
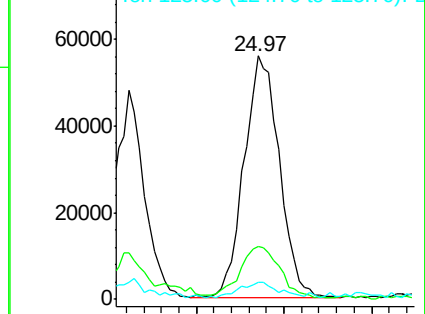
125 6.9 3.9 5.9#



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: 5.07 ng

RT: 30.16 min Scan# 4650

Delta R.T. -0.01 min

Lab File: BG024052.D

Acq: 21 Sep 2016 13:14

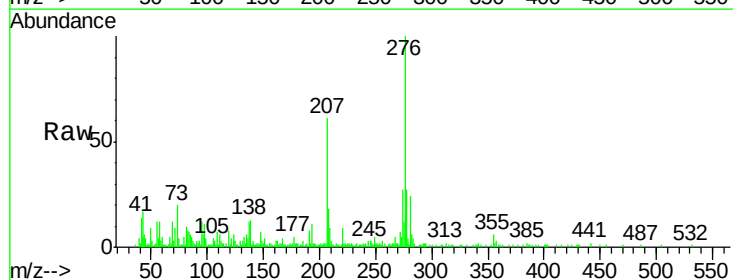
Tgt Ion:276 Resp: 115262

Ion Ratio Lower Upper

276 100

277 26.8 18.6 27.8

138 13.4 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

