

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 18:34:24 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

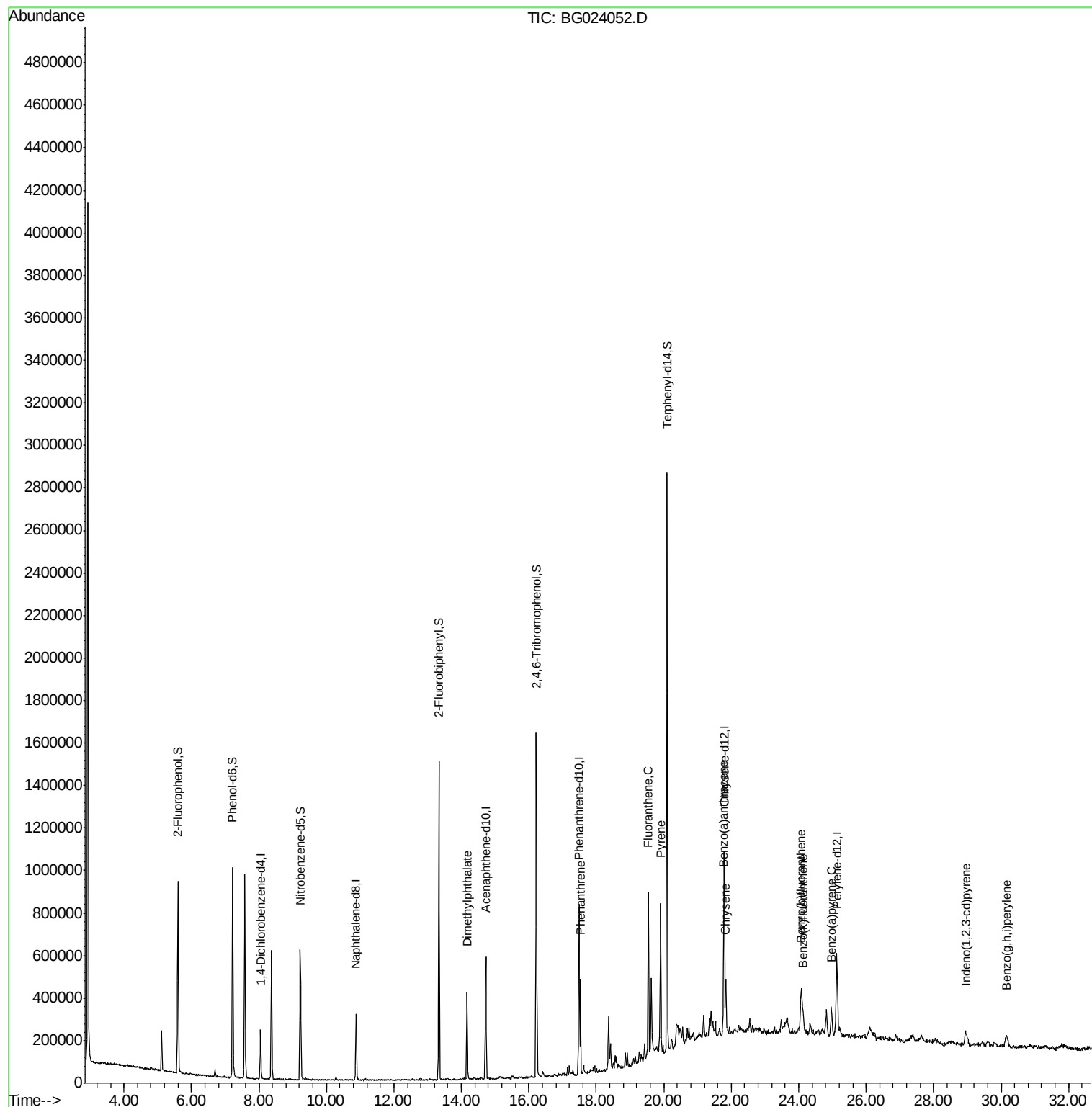
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	54943	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	246411	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	209934	20.00	ng	0.00
63) Phenanthrene-d10	17.49	188	438792	20.00	ng	0.00
75) Chrysene-d12	21.79	240	449226	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						Qvalue
49) Dimethylphthalate	14.17	163	238534	13.25	ng	97
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
85) Indeno(1,2,3-cd)pyrene	28.96	276	111827m	4.22	ng	
87) Benzo(b)fluoranthene	24.07	252	223027	8.81	ng	# 94
88) Benzo(k)fluoranthene	24.14	252	74031m	2.95	ng	
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

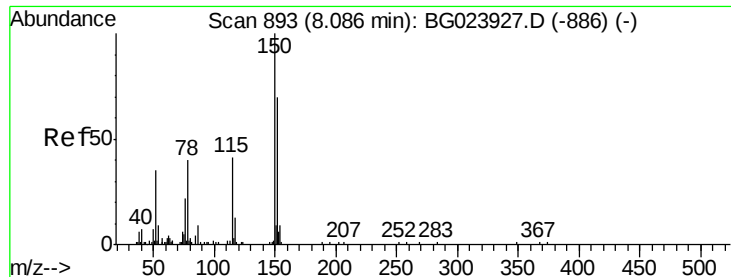
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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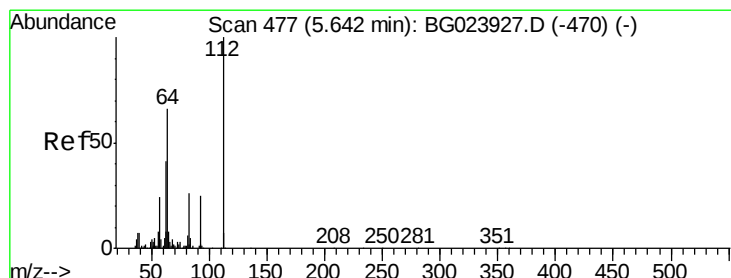
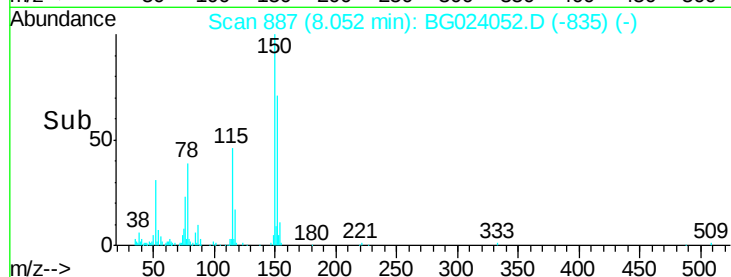
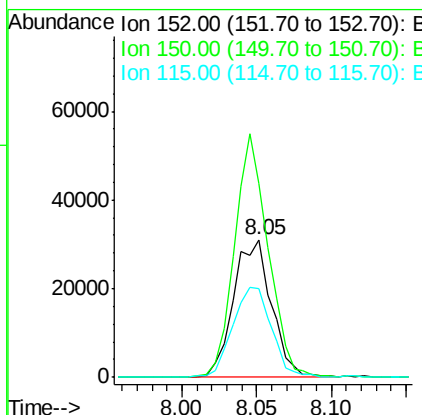
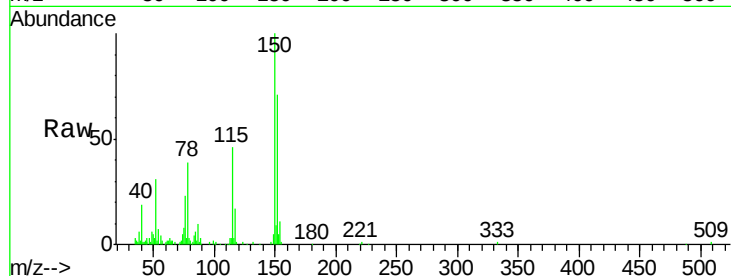


#1

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

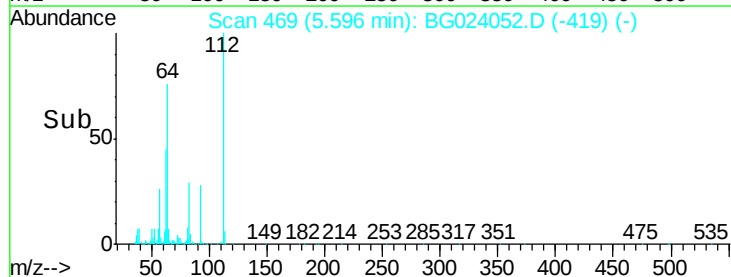
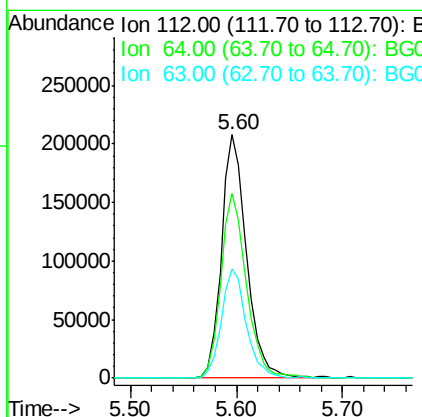
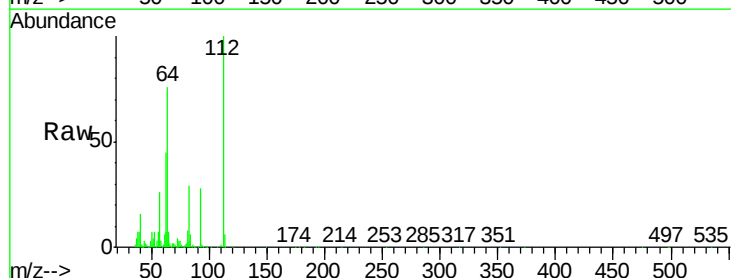
Tot Ion:152 Resp: 54943
Ion Ratio Lower Upper
152 100
150 141.0 144.7 217.1#
115 64.6 64.0 96.0

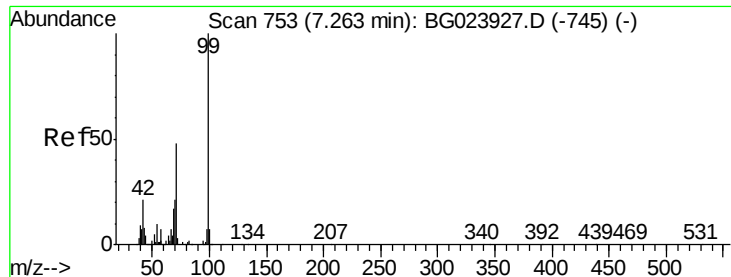


#5

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

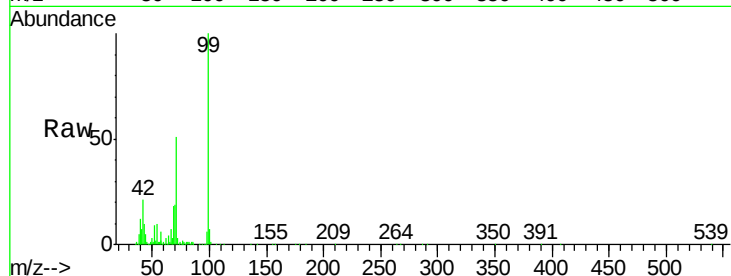
Tot Ion: 99 Resp: 556086

Ion Ratio Lower Upper

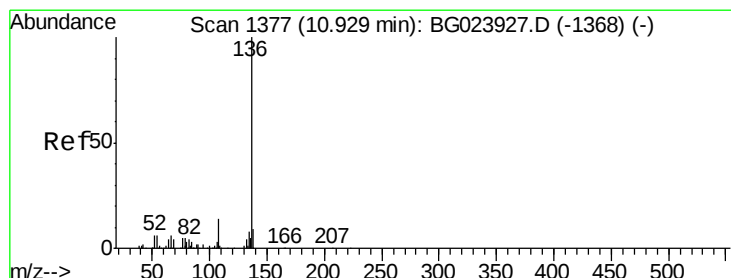
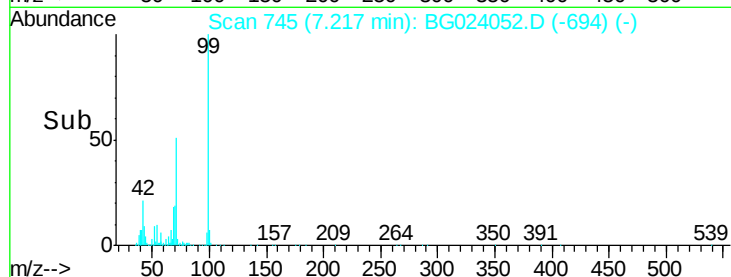
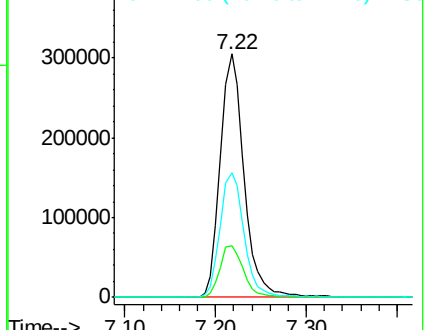
99 100

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

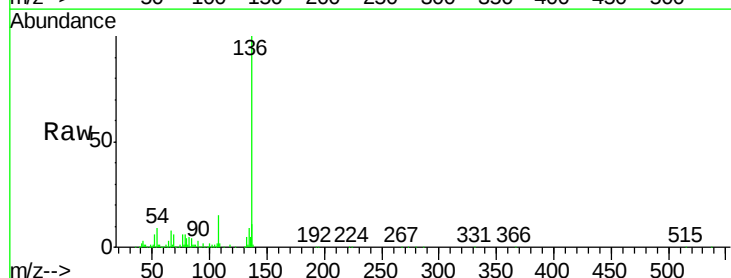
Ion Ratio Lower Upper

136 100

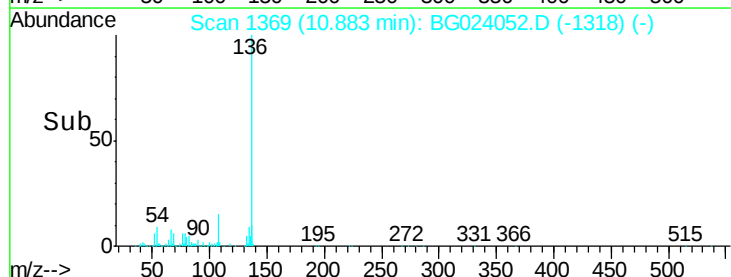
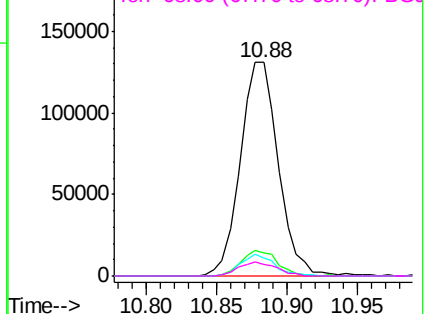
137 10.6 9.6 14.4

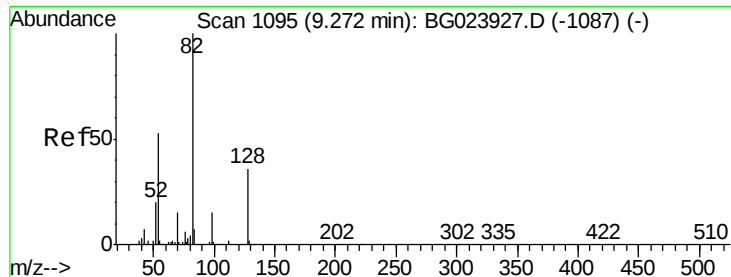
54 8.5 7.3 10.9

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

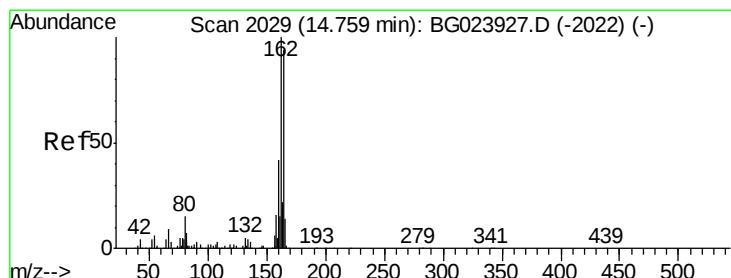
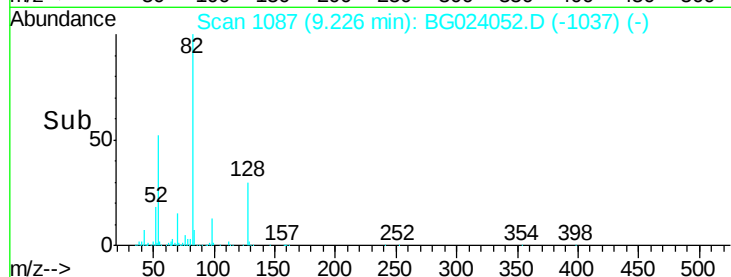
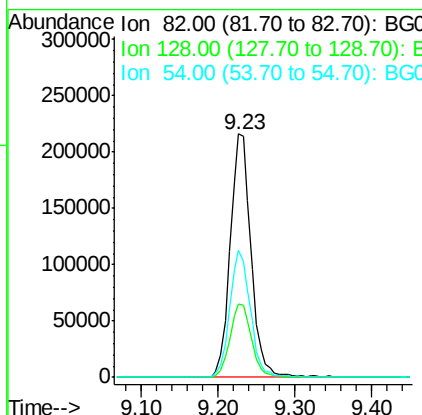
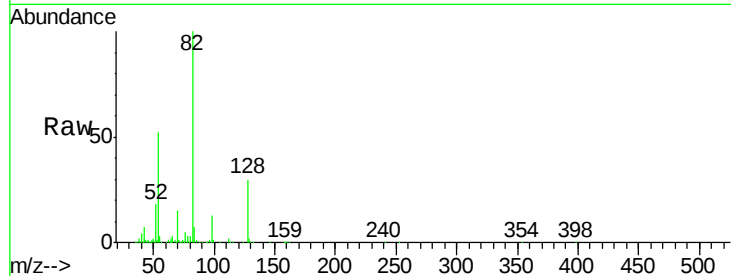




#23
 Nitrobenzene-d5
 Concen: 74.11 ng
 RT: 9.23 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: BG024052.D
 Acq: 21 Sep 2016 13:14

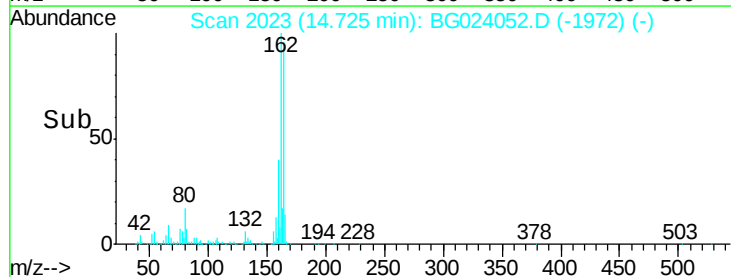
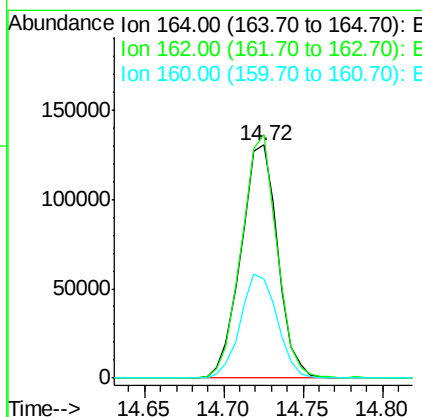
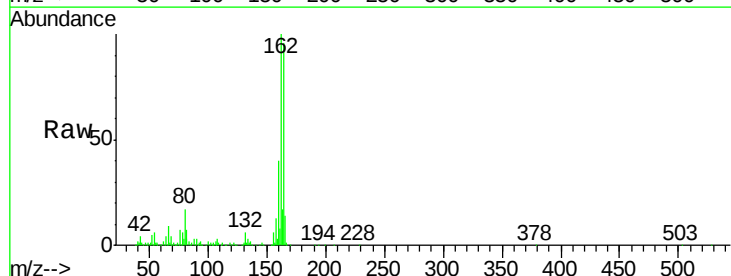
Instrument :
 BNA_G
 ClientSampleId :
 YORK-TP2-02

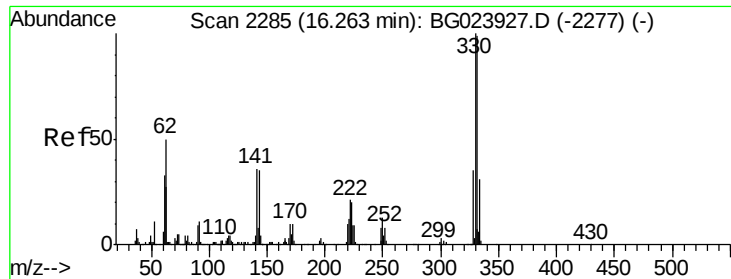
Tot Ion	82	Resp	409039
Ion Ratio	Lower	Upper	
82	100		
128	30.2	24.4	36.6
54	52.3	41.4	62.0



#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	164	Resp	209934
Ion Ratio	Lower	Upper	
164	100		
162	104.4	87.7	131.5
160	42.3	37.2	55.8

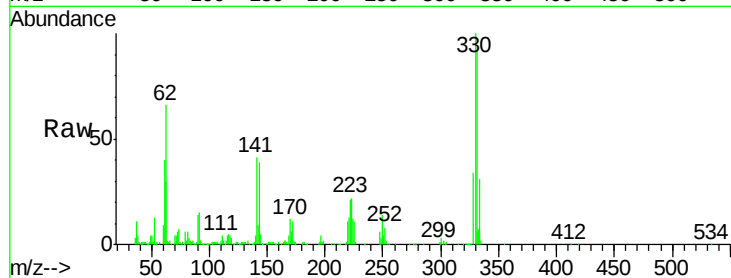




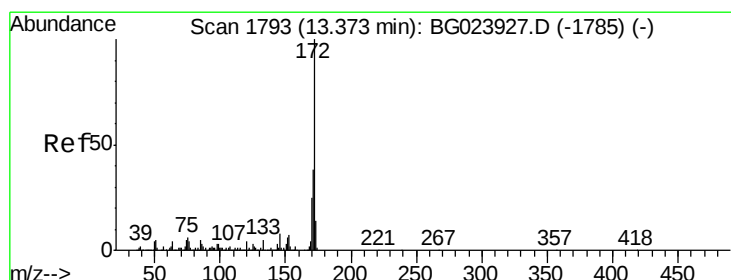
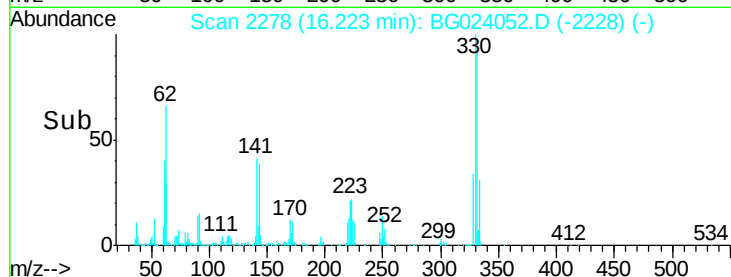
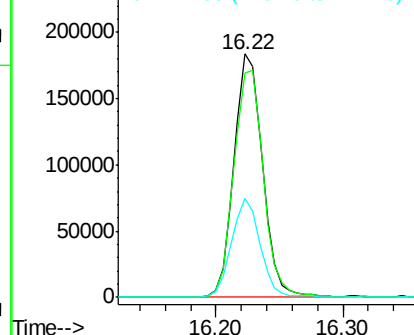
#41
 2,4,6-Tribromophenol
 Concen: 75.61 ng
 RT: 16.22 min Scan# 2278
 Delta R.T. -0.01 min
 Lab File: BG024052.D
 Acq: 21 Sep 2016 13:14

Instrument :
 BNA_G
 ClientSampleId :
 YORK-TP2-02

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.4	116.2
141	40.5	31.7	47.5

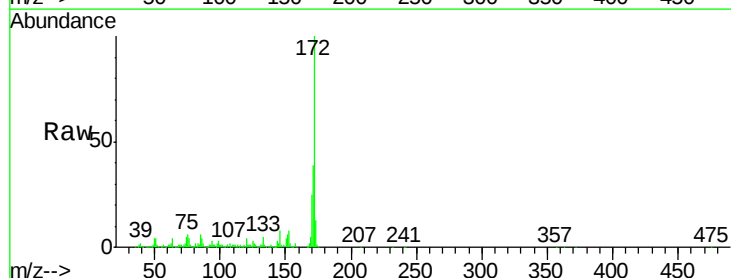


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

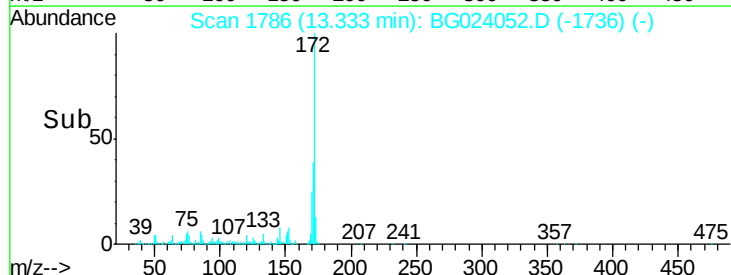
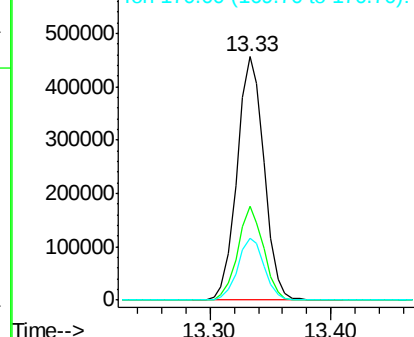


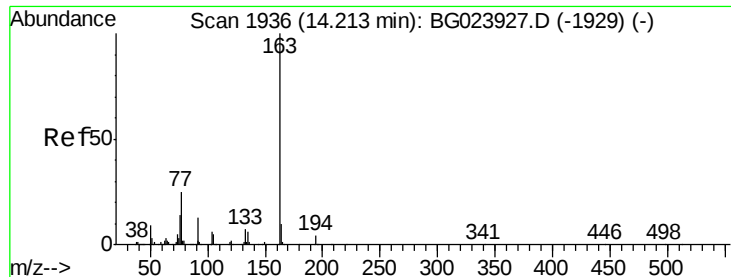
#44
 2-Fluorobiphenyl
 Concen: 48.59 ng
 RT: 13.33 min Scan# 1786
 Delta R.T. -0.01 min
 Lab File: BG024052.D
 Acq: 21 Sep 2016 13:14

Tgt 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

Instrument :

BNA_G

ClientSampleId :

YORK-TP2-02

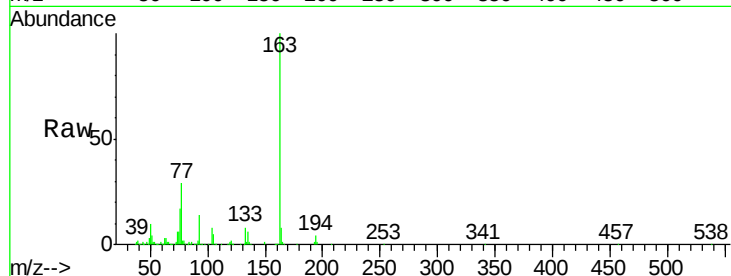
Tot Ion:163 Resp: 238534

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

14.17

200000

150000

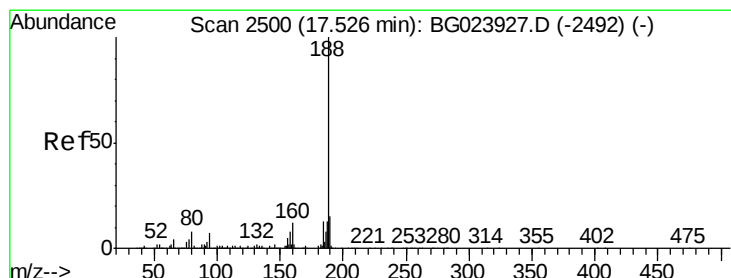
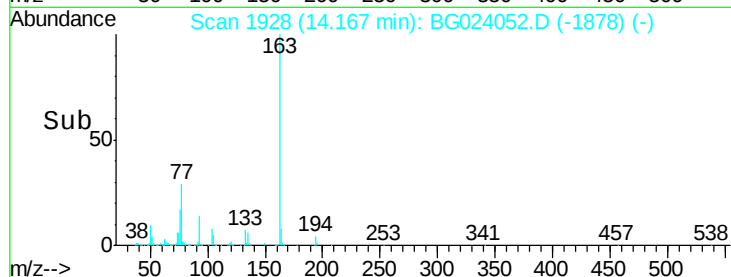
100000

50000

0

Time-->

14.10 14.20



#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

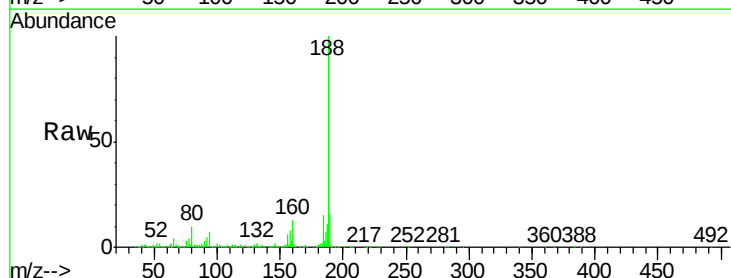
Tgt Ion:188 Resp: 438792

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

17.49

400000

300000

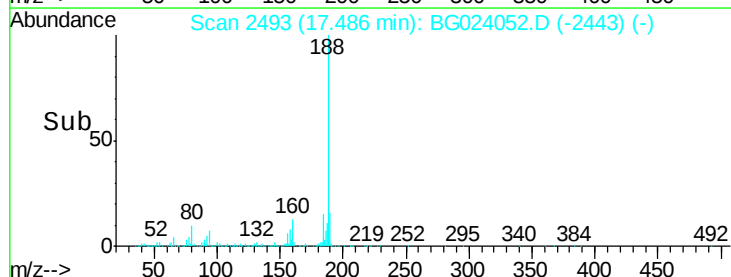
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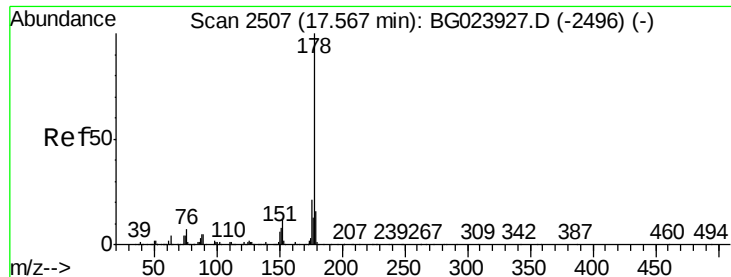
100000

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Time-->

17.40 17.50 17.60

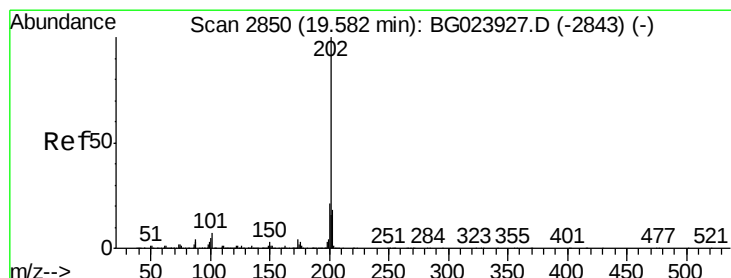
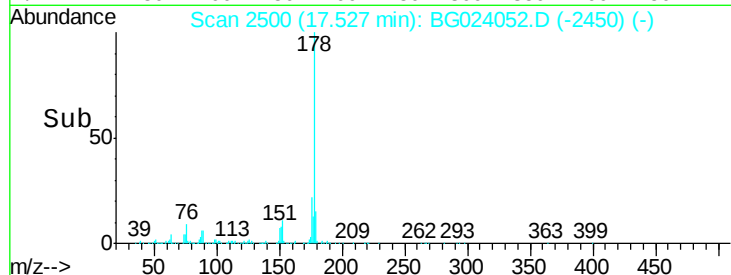
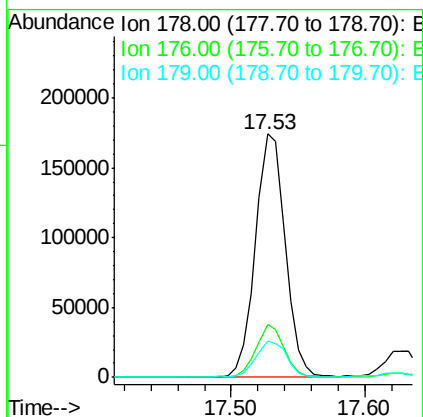
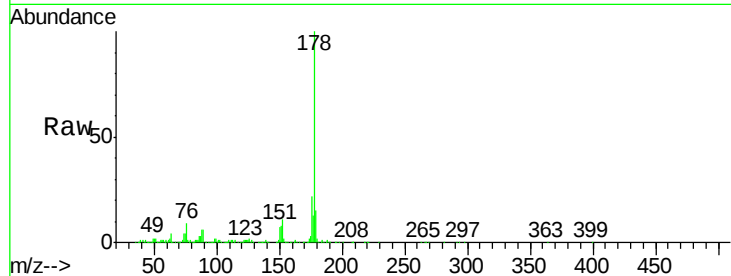




#70
Phenanthrene
Concen: 11.77 ng
RT: 17.53 min Scan# 2500
Delta R.T. -0.01 min
Lab File: BG024052.D
Acq: 21 Sep 2016 13:14

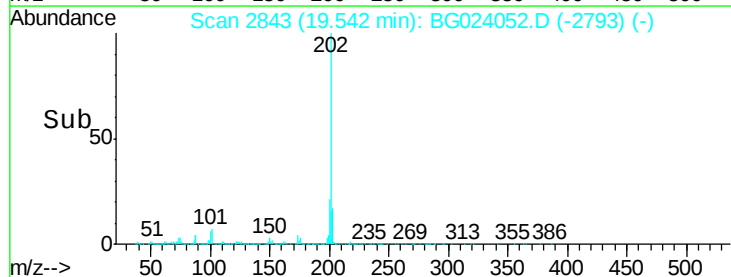
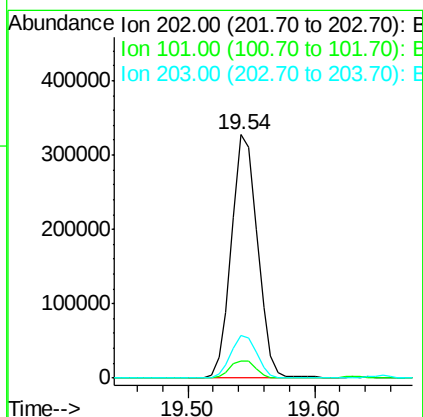
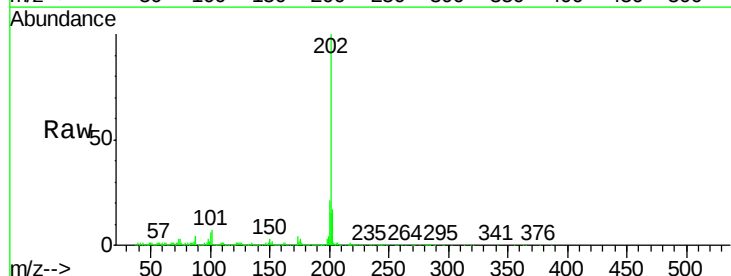
Instrument :
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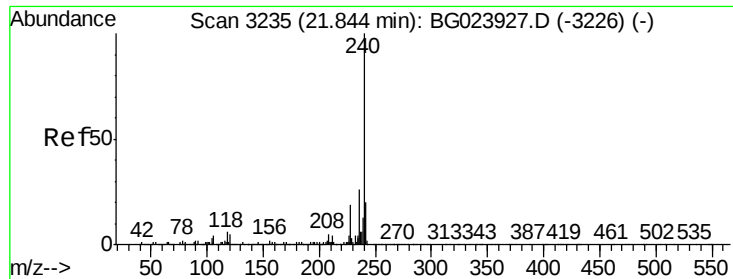
Tot Ion:178 Resp: 268772
Ion Ratio Lower Upper
178 100
176 21.6 16.8 25.2
179 14.9 14.3 21.5



#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





#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

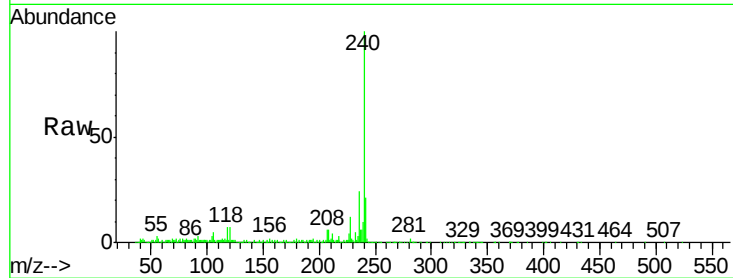
Tot Ion:240 Resp: 449226

Ion Ratio Lower Upper

240 100

120 6.5 4.1 6.1#

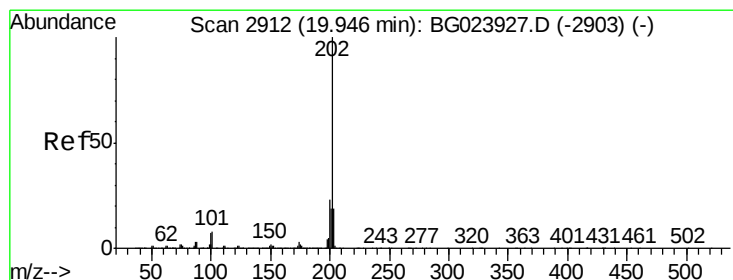
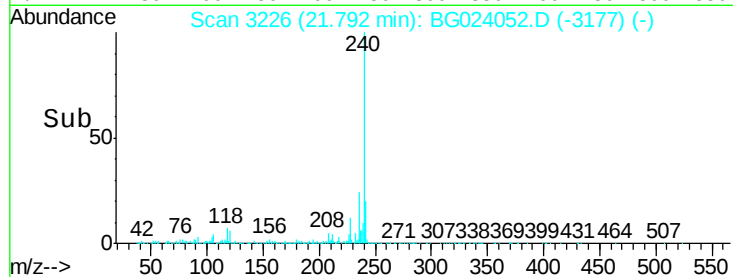
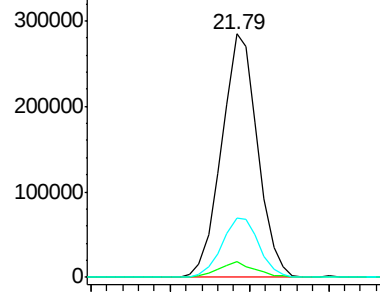
236 24.3 21.1 31.7



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

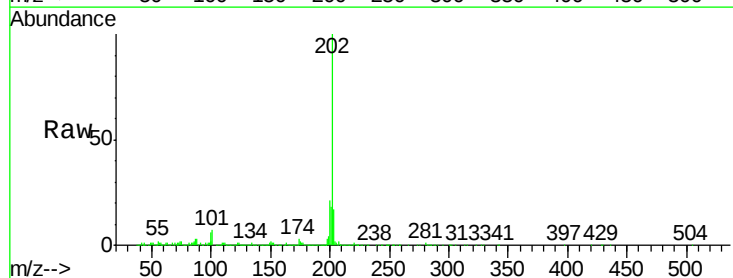
Tgt Ion:202 Resp: 454924

Ion Ratio Lower Upper

202 100

200 21.1 21.2 31.8#

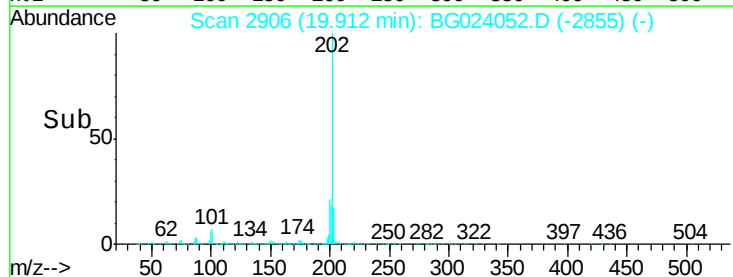
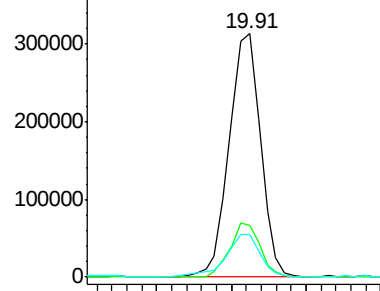
203 17.4 16.8 25.2

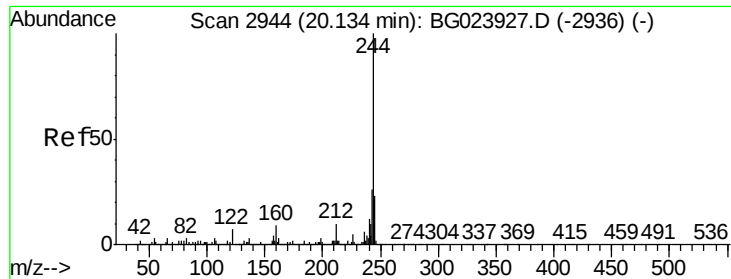


Abundance Ion 202.00 (201.70 to 202.70): E

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

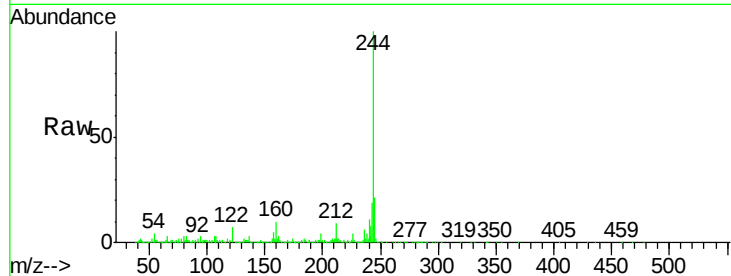
Tot Ion:244 Resp: 1089781

Ion Ratio Lower Upper

244 100

212 9.4 10.8 16.2#

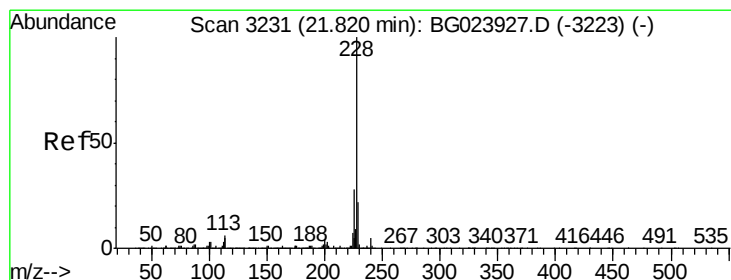
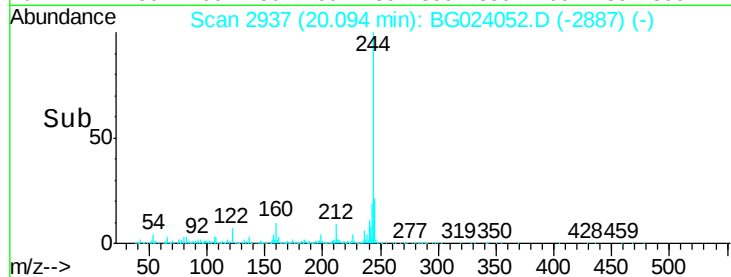
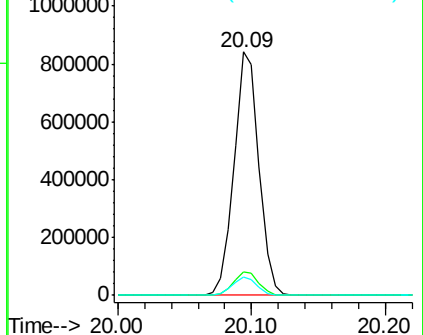
122 7.3 8.0 12.0#



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: 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

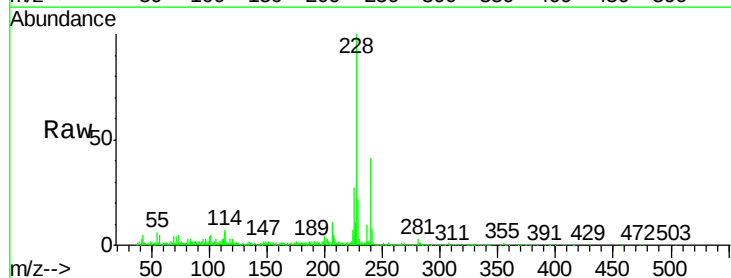
Tgt Ion:228 Resp: 214106

Ion Ratio Lower Upper

228 100

226 27.1 25.3 37.9

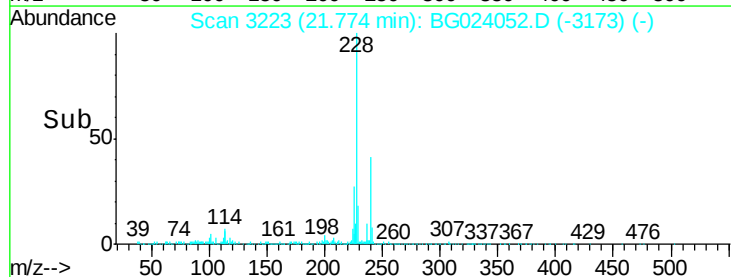
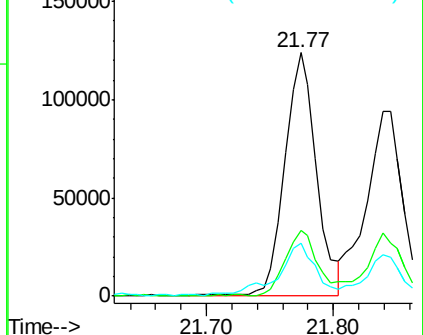
229 21.7 19.9 29.9

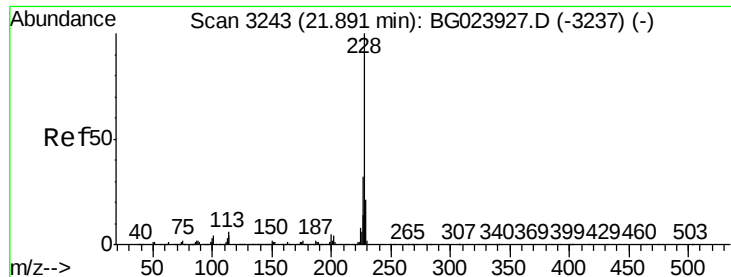


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 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 :

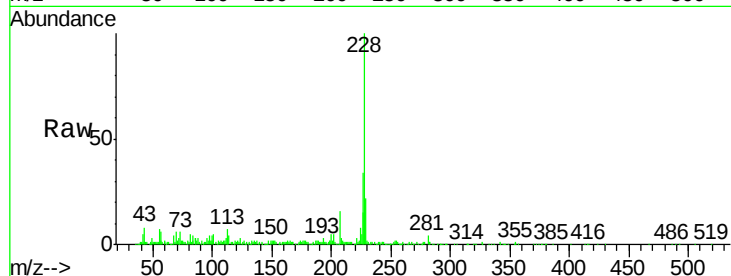
BNA_G

ClientSampleId :

YORK-TP2-02

Tot Ion:228 Resp: 184016

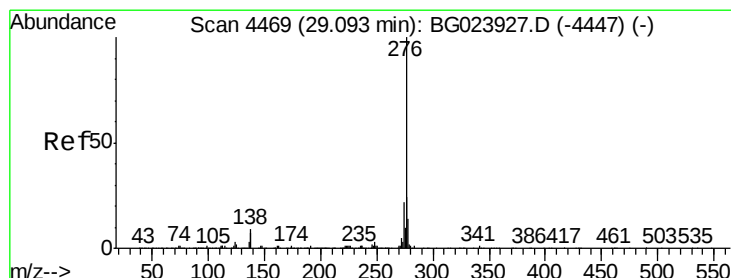
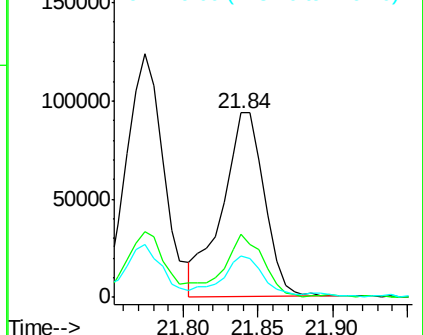
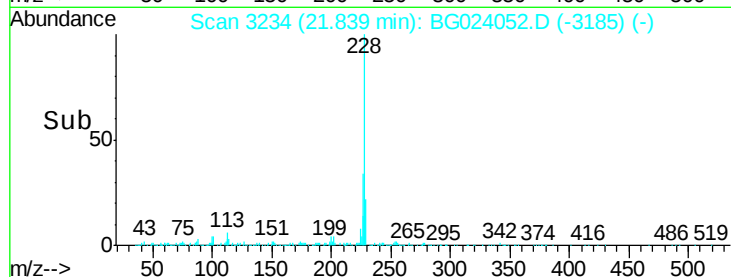
Ion	Ratio	Lower	Upper
228	100		
226	34.1	26.7	40.1
229	22.3	17.4	26.2



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.22 ng m

RT: 28.96 min Scan# 4447

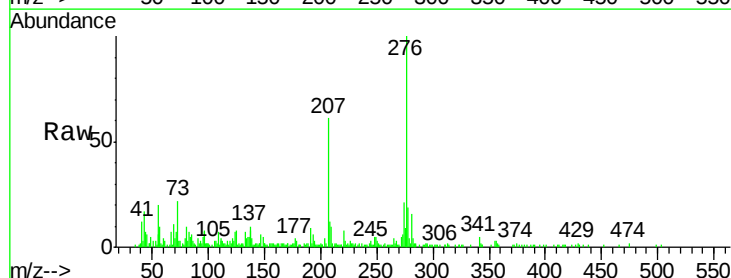
Delta R.T. -0.00 min

Lab File: BG024052.D

Acq: 21 Sep 2016 13:14

Tgt Ion:276 Resp: 111827

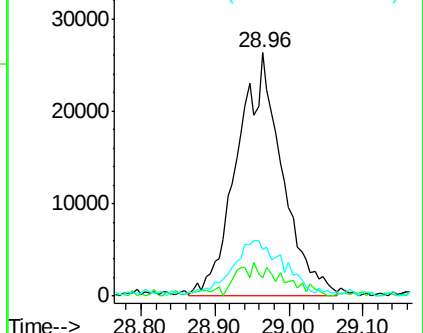
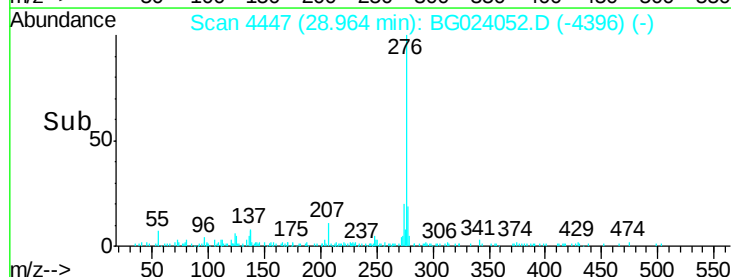
Ion	Ratio	Lower	Upper
276	100		
138	0.0	0.0	0.0
277	25.9	0.0	0.0#

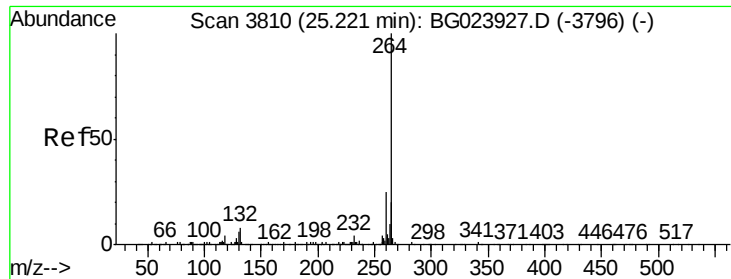


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

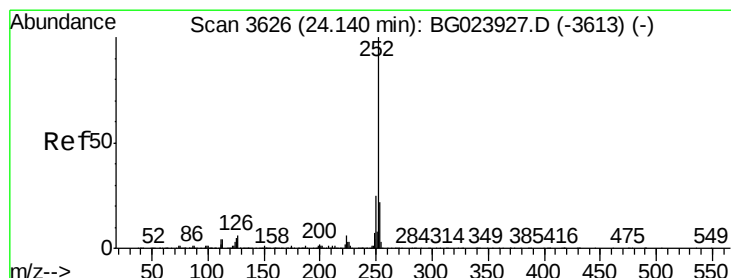
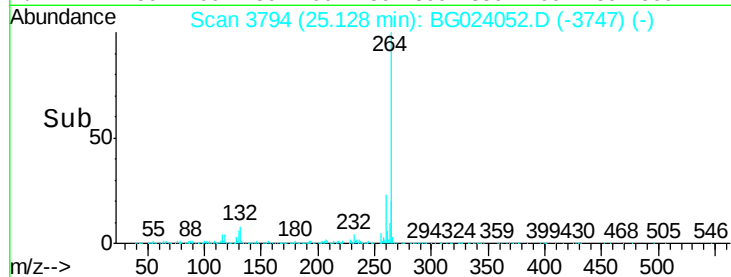
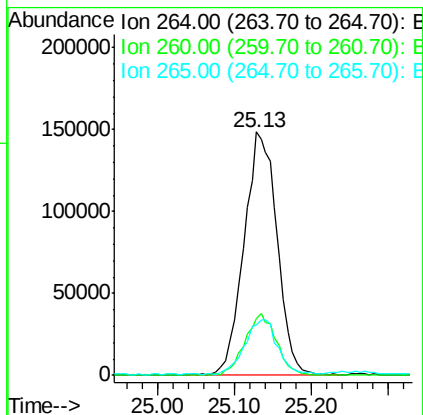
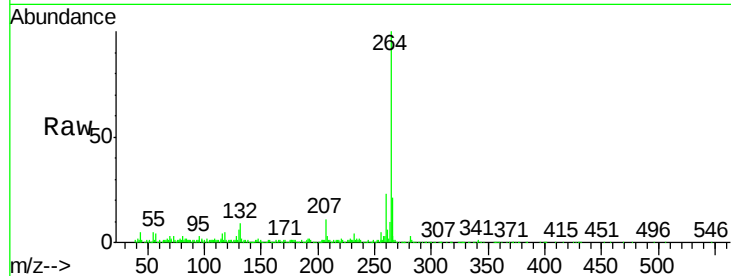




#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.13 min Scan# 3794
Delta R.T. -0.03 min
Lab File: BG024052.D
Acq: 21 Sep 2016 13:14

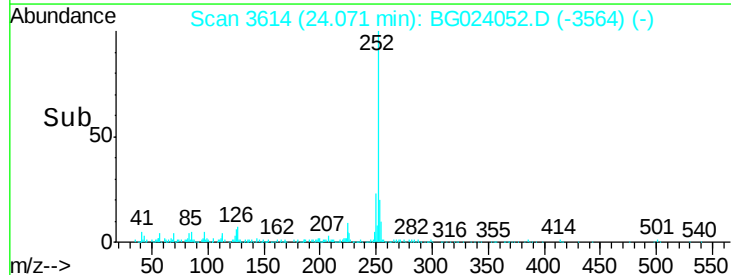
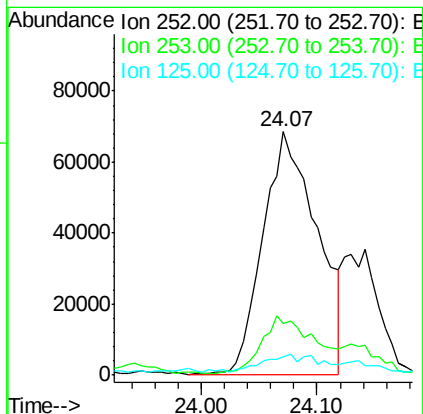
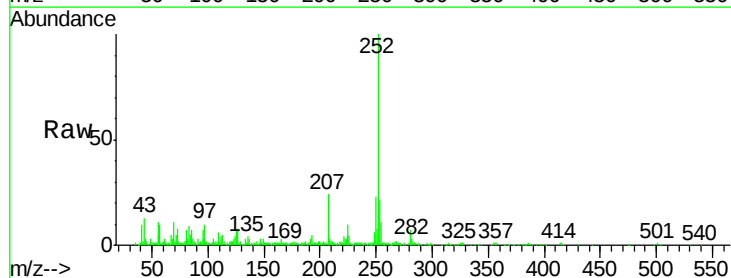
Instrument :
BNA_G
ClientSampleId :
YORK-TP2-02

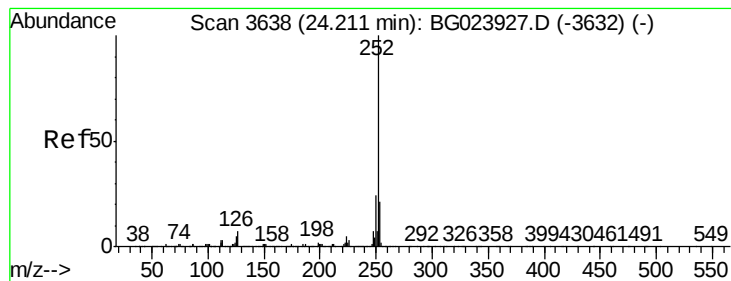
Tot	Ion:264	Resp:	445637
Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.4	27.6
265	20.7	18.9	28.3



#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

Tgt	Ion:252	Resp:	223027
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: 2.95 ng/mL

RT: 24.14 min Scan# 3626

Delta R.T. -0.01 min

Lab File: BG024052.D

Acq: 21 Sep 2016 13:14

Instrument :

BNA_G

ClientSampleId :

YORK-TP2-02

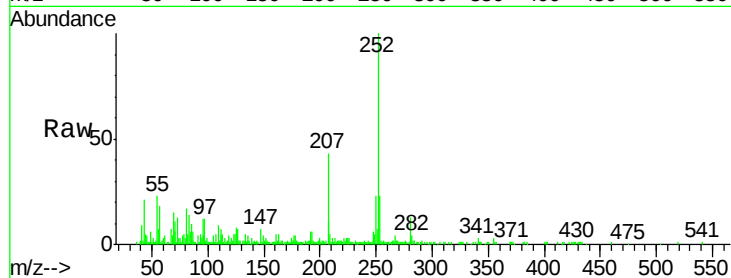
Tot Ion:252 Resp: 74031

Ion Ratio Lower Upper

252 100

253 23.4 18.8 28.2

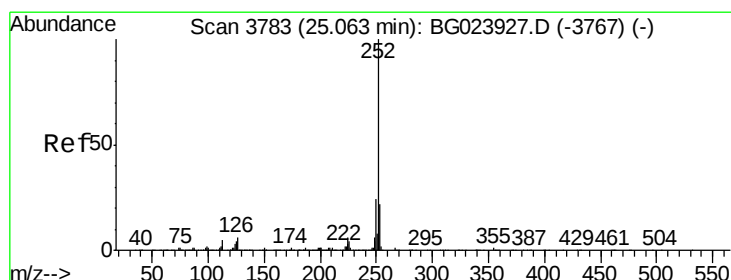
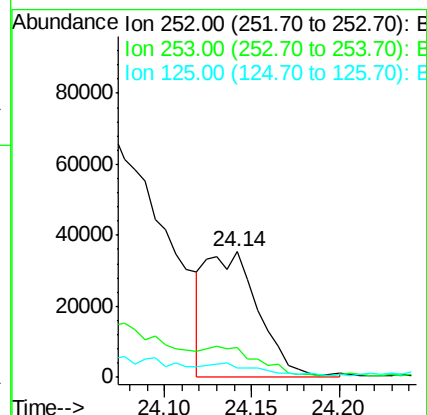
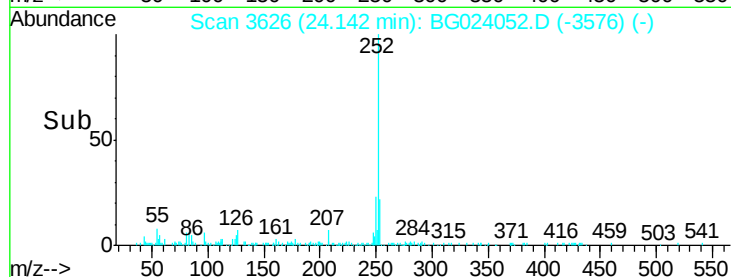
125 7.6 3.2 4.8#



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: 6.43 ng/mL

RT: 24.97 min Scan# 3767

Delta R.T. -0.02 min

Lab File: BG024052.D

Acq: 21 Sep 2016 13:14

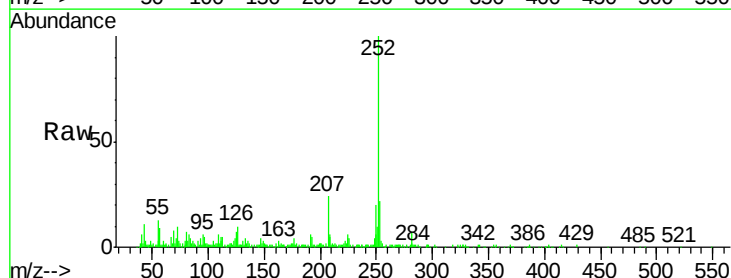
Tgt Ion:252 Resp: 154586

Ion Ratio Lower Upper

252 100

253 21.9 18.7 28.1

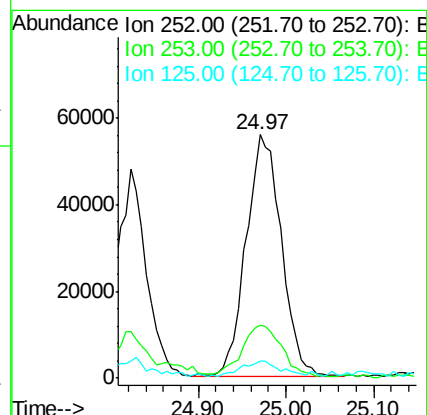
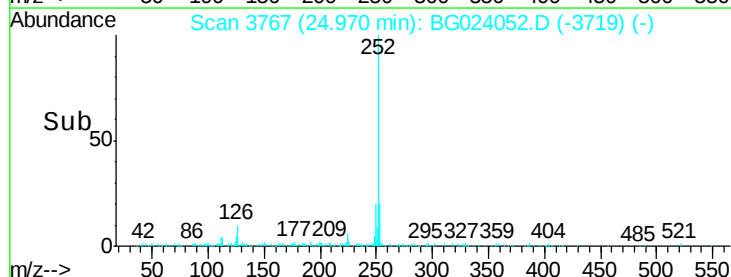
125 6.9 3.9 5.9#

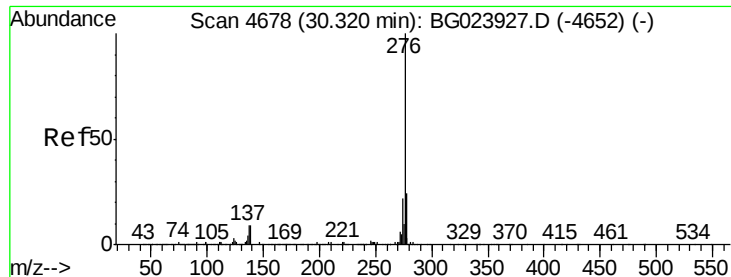


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(a,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

Instrument :
 BNA_G
 ClientSampleId :
 YORK-TP2-02

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.8	18.6	27.8
138	13.4	6.8	10.2

