

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092116\
 Data File : BG024064.D
 Acq On : 21 Sep 2016 20:53
 Operator : UM/SJ
 Sample : H4819-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Sep 22 07:41:15 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

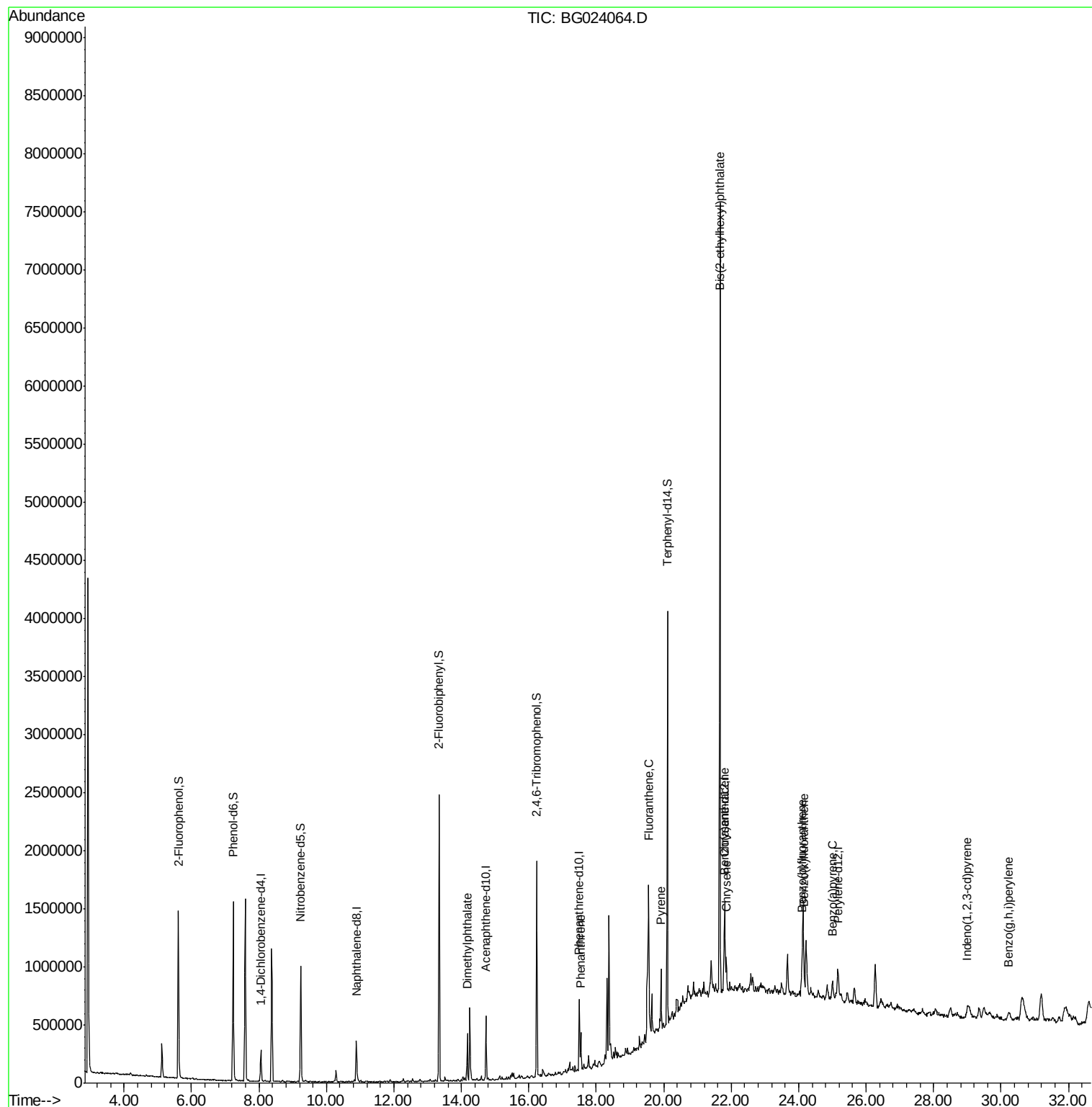
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	68310	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	280180	20.00	ng	0.00
38) Acenaphthene-d10	14.73	164	190681	20.00	ng	0.00
63) Phenanthrene-d10	17.49	188	352191	20.00	ng	0.00
75) Chrysene-d12	21.81	240	378931	20.00	ng	0.00
86) Perylene-d12	25.16	264	356172	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	547587	140.74	ng	0.00
7) Phenol-d6	7.23	99	837894	139.90	ng	0.01
23) Nitrobenzene-d5	9.24	82	646958	103.09	ng	0.00
41) 2,4,6-Tribromophenol	16.24	330	333971	97.21	ng	0.00
44) 2-Fluorobiphenyl	13.34	172	1152791	86.68	ng	0.00
78) Terphenyl-d14	20.11	244	1426582	85.74	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.18	163	245405	15.01	ng	99
70) Phenanthrene	17.54	178	184315	10.06	ng	93
74) Fluoranthene	19.56	202	362344	16.43	ng	94
77) Pyrene	19.92	202	333327	14.30	ng	# 91
80) Benzo(a)anthracene	21.79	228	207727	9.79	ng	94
82) Chrysene	21.85	228	230619	11.42	ng	97
83) Bis(2-ethylhexyl)phthalate	21.66	149	2327730	189.24	ng	# 92
85) Indeno(1,2,3-cd)pyrene	29.01	276	109682	4.91	ng	# 100
87) Benzo(b)fluoranthene	24.10	252	281449	13.91	ng	# 96
88) Benzo(k)fluoranthene	24.16	252	115922m	5.78	ng	
89) Benzo(a)pyrene	25.00	252	173571	9.03	ng	# 95
91) Benzo(a,h,i)perylene	30.22	276	90472	4.98	ng	# 90

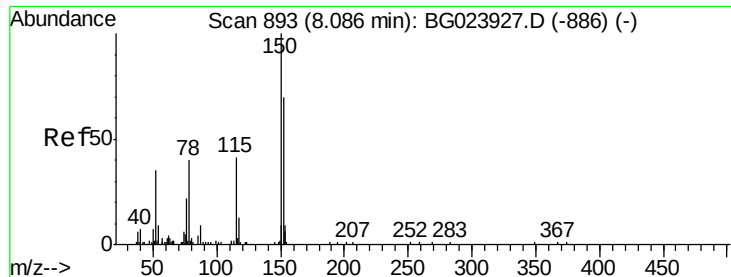
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.05 min Scan# 888

Delta R.T. 0.01 min

Lab File: BG024064.D

Acq: 21 Sep 2016 20:53

Instrument :

BNA_G

ClientSampleId :

YORK-SB2-07-DUP

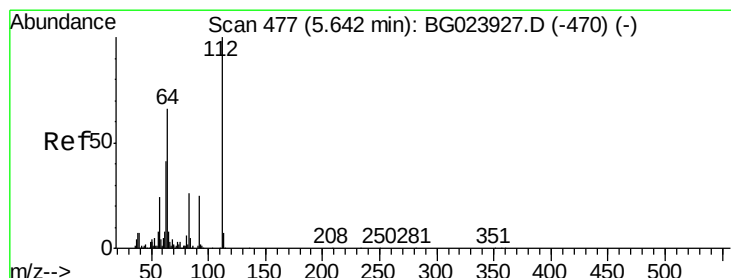
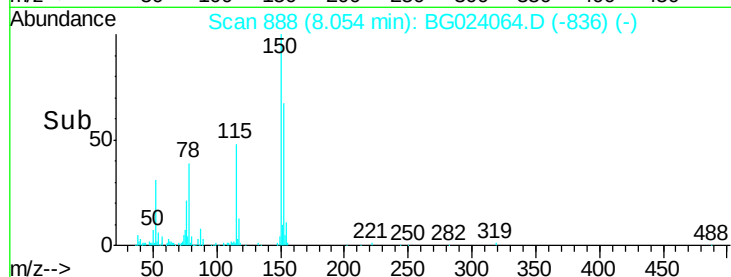
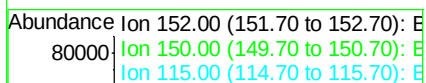
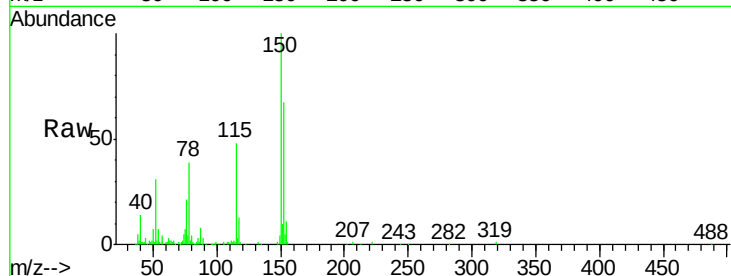
Tot Ion:152 Resp: 68310

Ion Ratio Lower Upper

152 100

150 149.5 144.7 217.1

115 71.3 64.0 96.0



#5

2-Fluorophenol

Concen: 140.74 ng

RT: 5.61 min Scan# 472

Delta R.T. 0.01 min

Lab File: BG024064.D

Acq: 21 Sep 2016 20:53

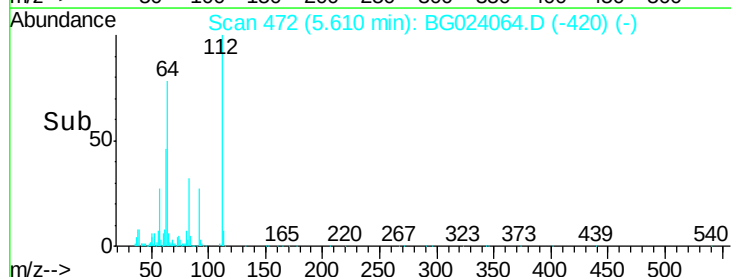
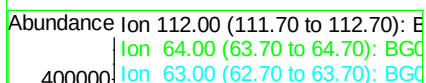
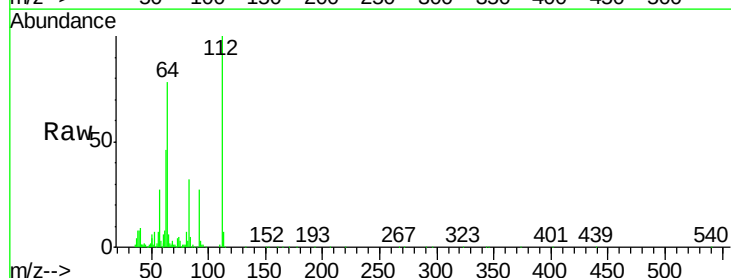
Tgt Ion:112 Resp: 547587

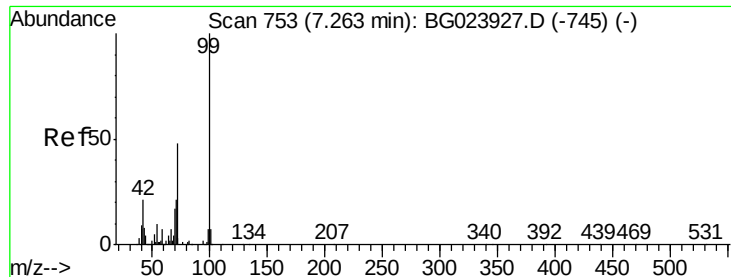
Ion Ratio Lower Upper

112 100

64 78.1 59.0 88.4

63 45.8 37.8 56.8





#7

Phenol-d6

Concen: 139.90 ng

RT: 7.23 min Scan# 748

Delta R.T. 0.01 min

Lab File: BG024064.D

Acq: 21 Sep 2016 20:53

Instrument :

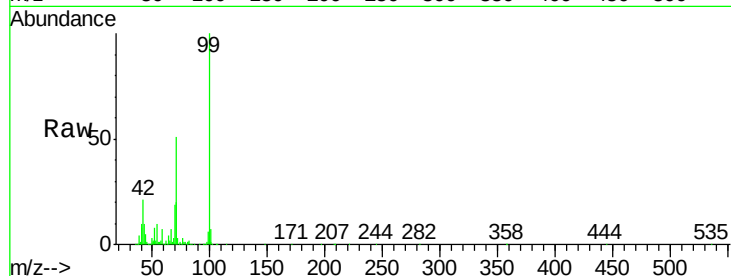
BNA_G

ClientSampleId :

YORK-SB2-07-DUP

Tot Ion: 99 Resp: 837894

Ion	Ratio	Lower	Upper
99	100		
42	20.7	17.8	26.6
71	50.6	41.5	62.3

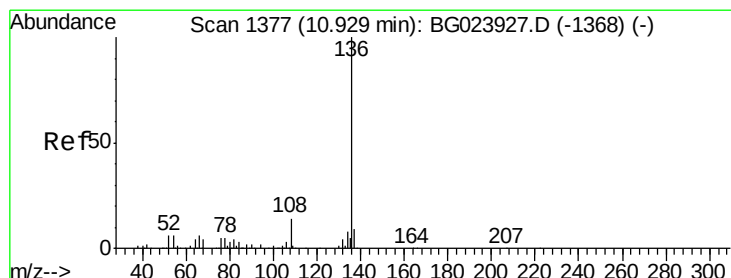
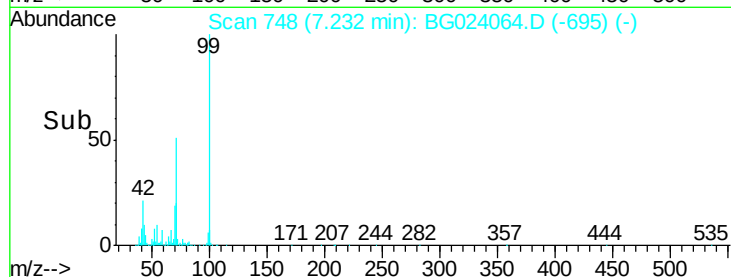
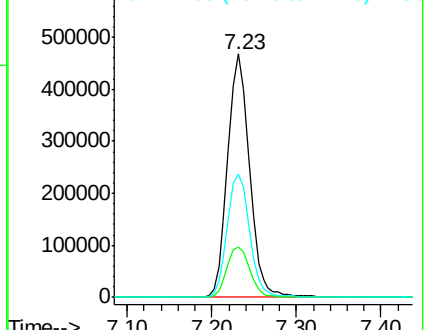


Abundance

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: 10.89 min Scan# 1370

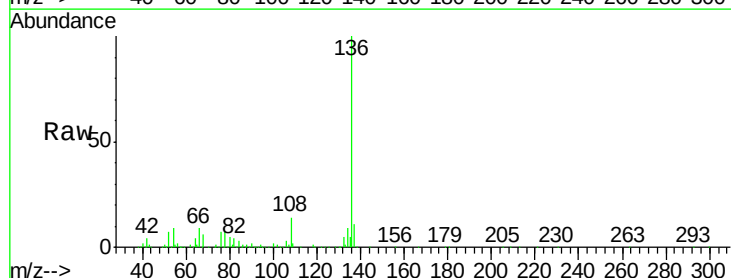
Delta R.T. -0.00 min

Lab File: BG024064.D

Acq: 21 Sep 2016 20:53

Tgt Ion: 136 Resp: 280180

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.6	14.4
54	8.5	7.3	10.9
68	6.3	5.3	7.9



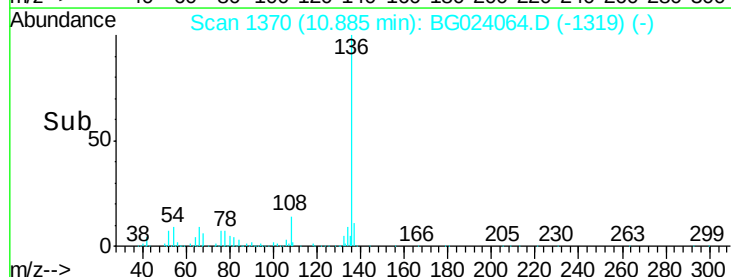
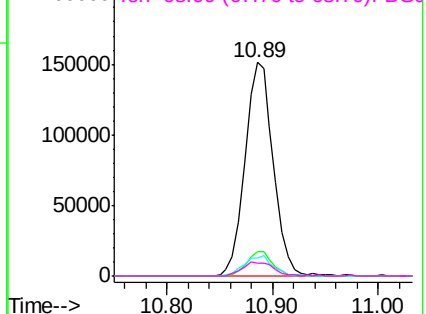
Abundance

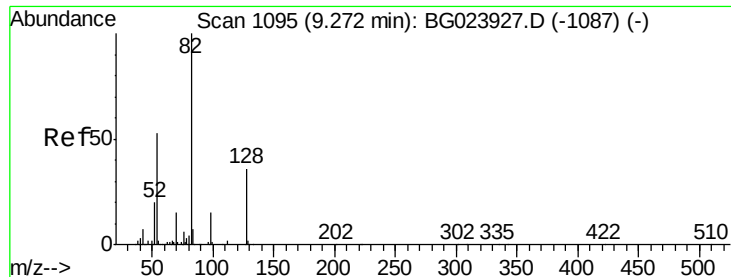
Ion 136.00 (135.70 to 136.70): BGC

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

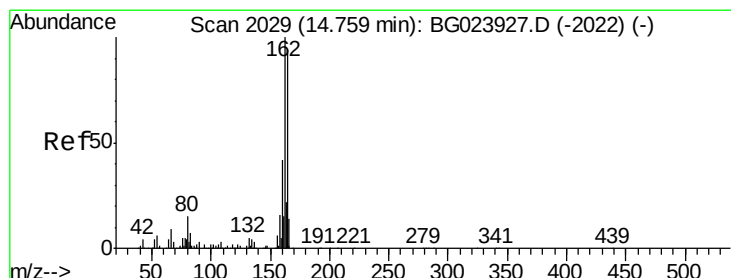
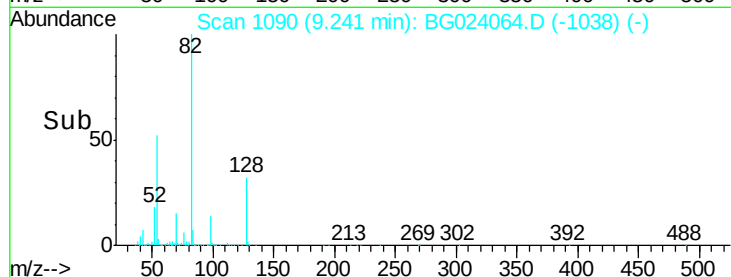
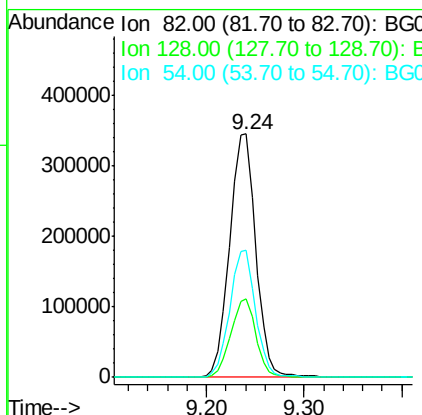
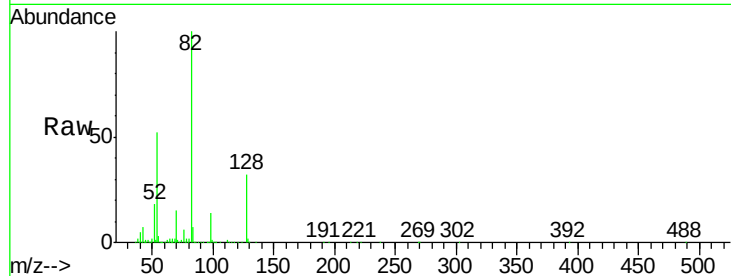




#23
 Nitrobenzene-d5
 Concen: 103.09 ng
 RT: 9.24 min Scan# 1090
 Delta R.T. 0.01 min
 Lab File: BG024064.D
 Acq: 21 Sep 2016 20:53

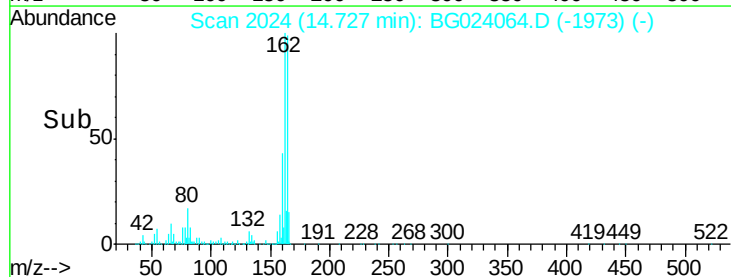
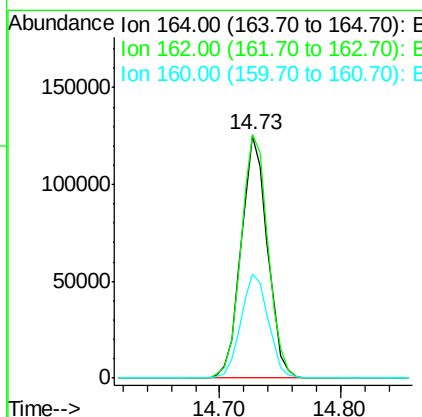
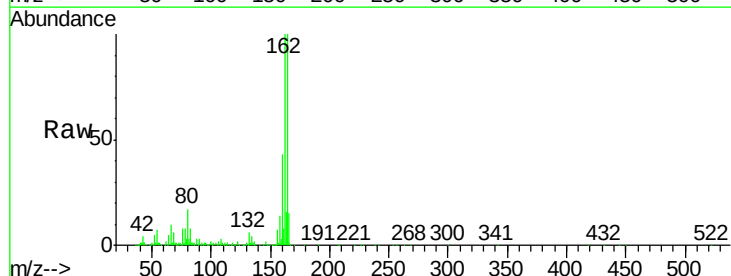
Instrument :
 BNA_G
 ClientSampleId :
 YORK-SB2-07-DUP

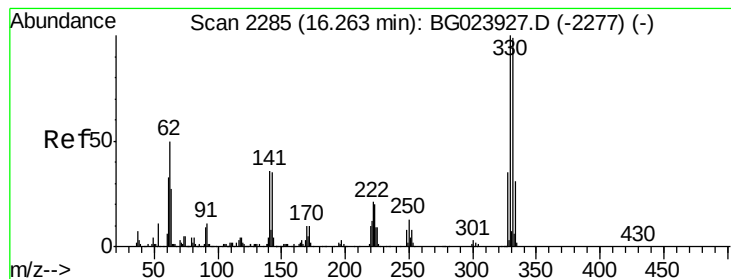
Tot Ion	82	Resp	646958
Ion Ratio	Lower	Upper	
82	100		
128	32.2	24.4	36.6
54	52.3	41.4	62.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.73 min Scan# 2024
 Delta R.T. -0.00 min
 Lab File: BG024064.D
 Acq: 21 Sep 2016 20:53

Tgt Ion	164	Resp	190681
Ion Ratio	Lower	Upper	
164	100		
162	100.5	87.7	131.5
160	42.7	37.2	55.8





#41

2,4,6-Tribromophenol

Concen: 97.21 ng

RT: 16.24 min Scan# 2281

Delta R.T. 0.01 min

Lab File: BG024064.D

Acq: 21 Sep 2016 20:53

Instrument :

BNA_G

ClientSampleId :

YORK-SB2-07-DUP

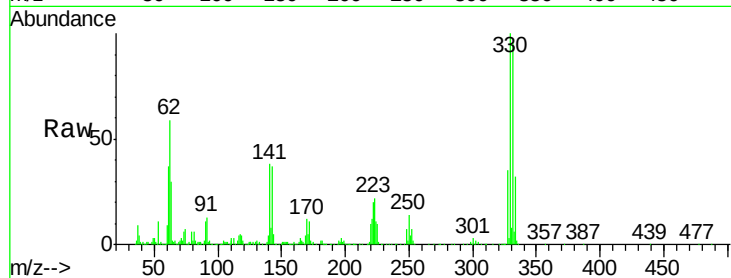
Tot Ion:330 Resp: 333971

Ion Ratio Lower Upper

330 100

332 98.0 77.4 116.2

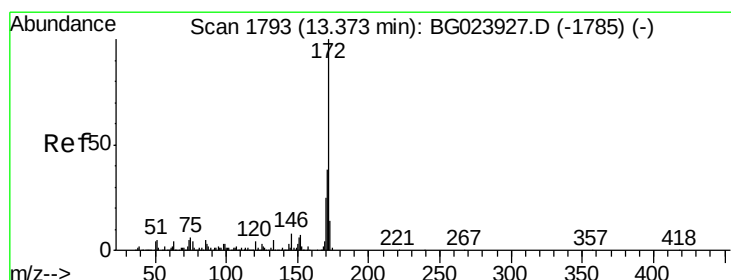
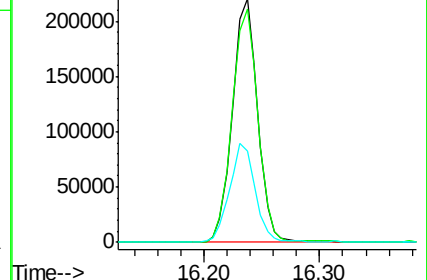
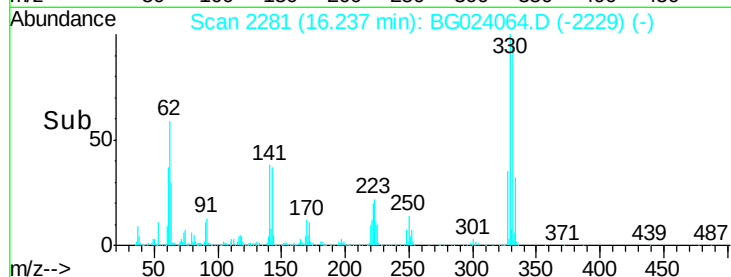
141 40.5 31.7 47.5



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: 86.68 ng

RT: 13.34 min Scan# 1788

Delta R.T. -0.00 min

Lab File: BG024064.D

Acq: 21 Sep 2016 20:53

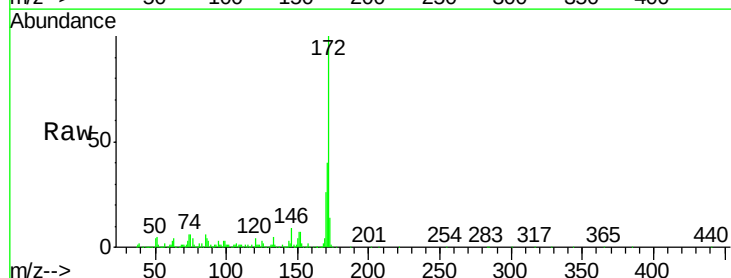
Tgt Ion:172 Resp: 1152791

Ion Ratio Lower Upper

172 100

171 39.6 31.6 47.4

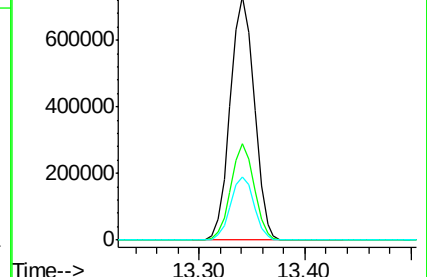
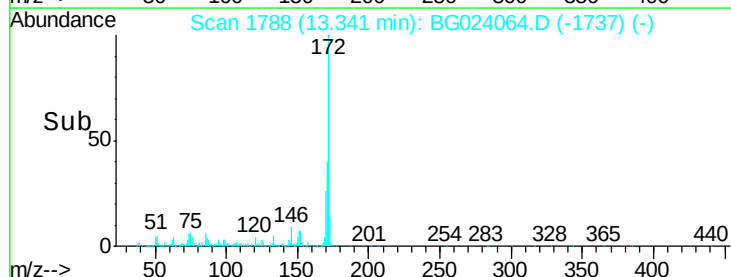
170 26.0 21.3 31.9

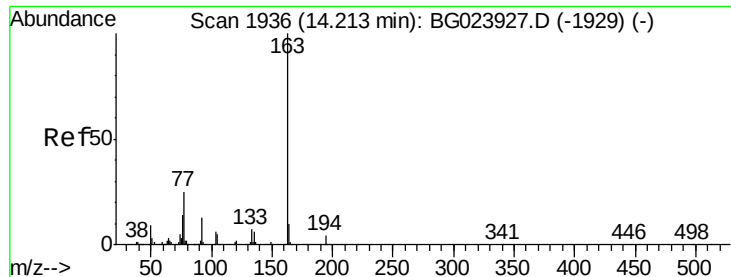


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 15.01 ng

RT: 14.18 min Scan# 1930

Delta R.T. -0.00 min

Lab File: BG024064.D

Acq: 21 Sep 2016 20:53

Instrument :

BNA_G

ClientSampleId :

YORK-SB2-07-DUP

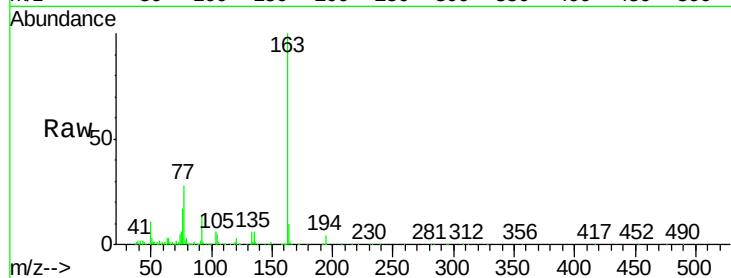
Tot Ion:163 Resp: 245405

Ion Ratio Lower Upper

163 100

194 4.3 3.6 5.4

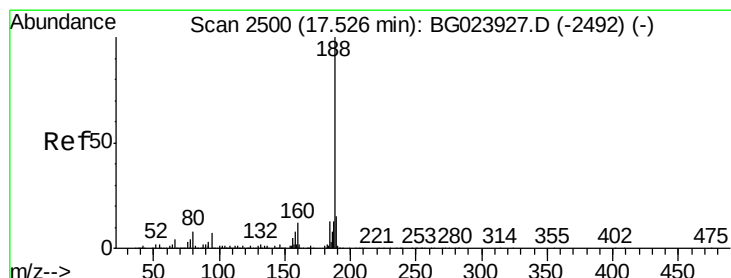
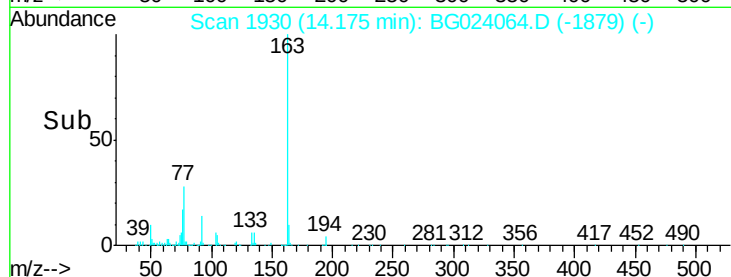
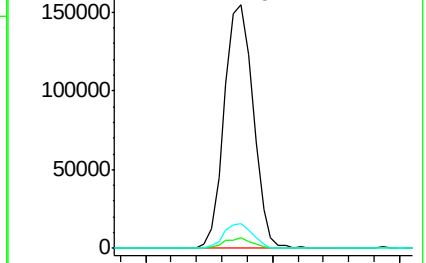
164 10.3 8.1 12.1



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.49 min Scan# 2495

Delta R.T. -0.00 min

Lab File: BG024064.D

Acq: 21 Sep 2016 20:53

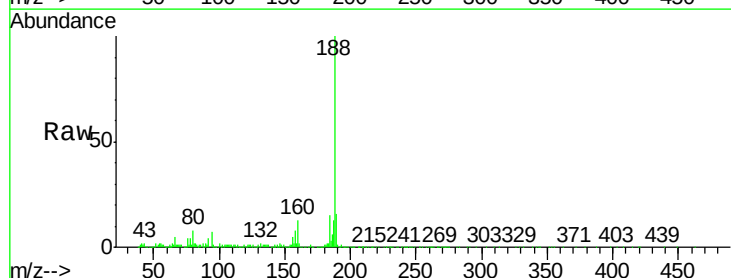
Tgt Ion:188 Resp: 352191

Ion Ratio Lower Upper

188 100

94 7.3 5.2 7.8

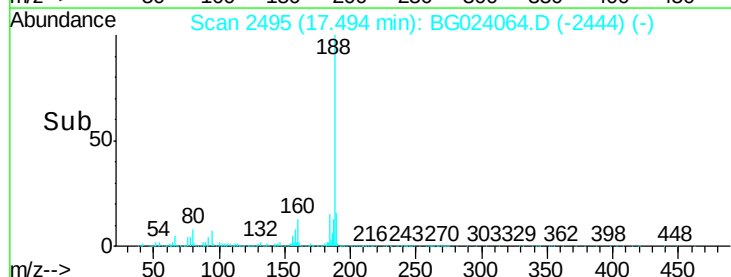
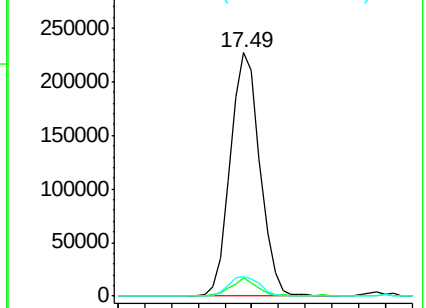
80 8.2 7.2 10.8

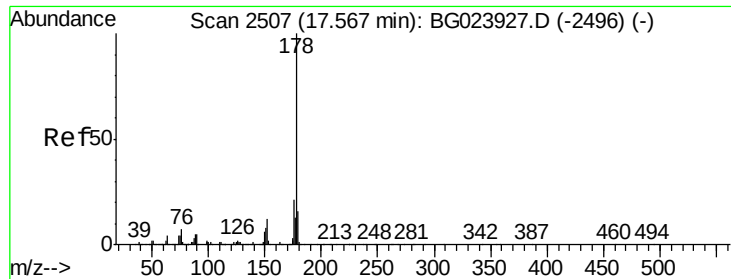


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 10.06 ng

RT: 17.54 min Scan# 2503

Delta R.T. 0.01 min

Lab File: BG024064.D

Acq: 21 Sep 2016 20:53

Instrument :

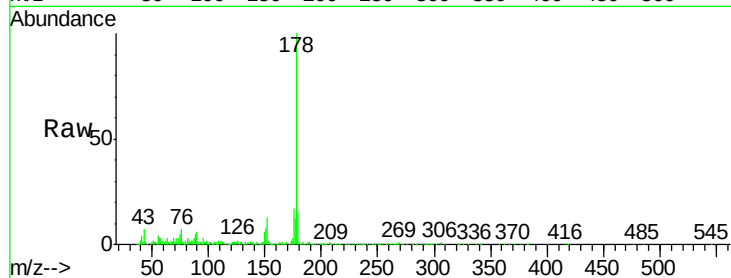
BNA_G

ClientSampleId :

YORK-SB2-07-DUP

Tot Ion:178 Resp: 184315

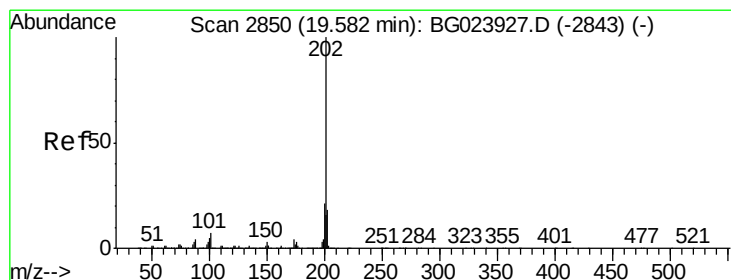
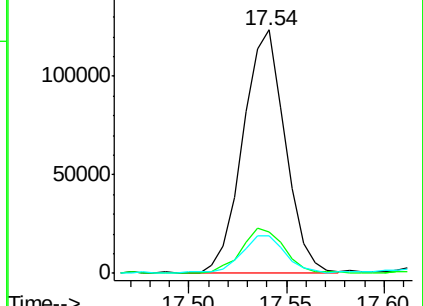
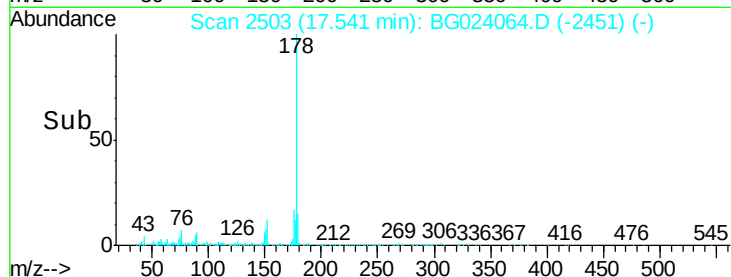
Ion	Ratio	Lower	Upper
178	100		
176	17.2	16.8	25.2
179	15.4	14.3	21.5



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 16.43 ng

RT: 19.56 min Scan# 2846

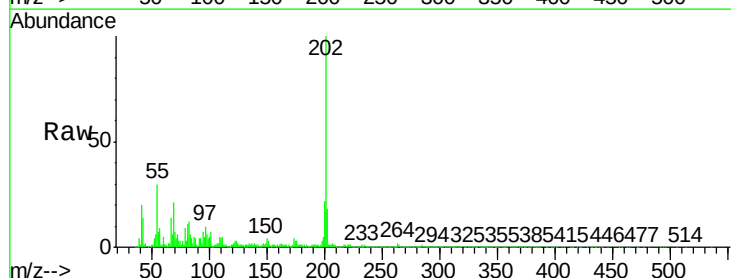
Delta R.T. 0.01 min

Lab File: BG024064.D

Acq: 21 Sep 2016 20:53

Tgt Ion:202 Resp: 362344

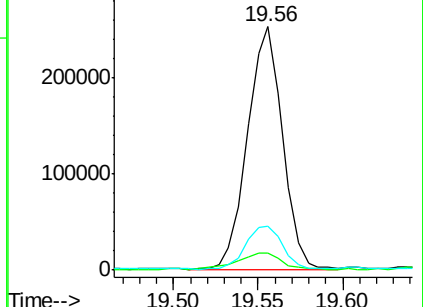
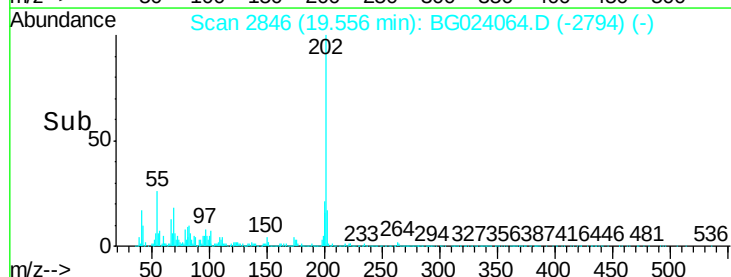
Ion	Ratio	Lower	Upper
202	100		
101	7.0	0.0	27.4
203	18.0	1.7	41.7

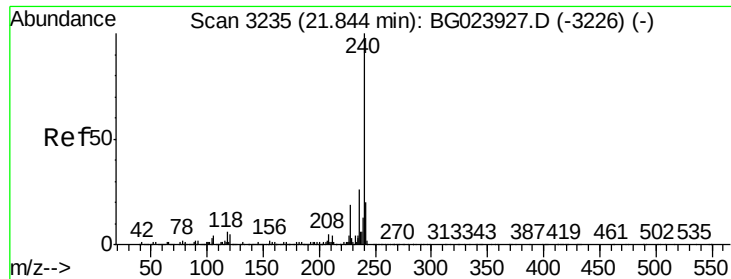


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.81 min Scan# 3229

Delta R.T. -0.00 min

Lab File: BG024064.D

Acq: 21 Sep 2016 20:53

Instrument :

BNA_G

ClientSampleId :

YORK-SB2-07-DUP

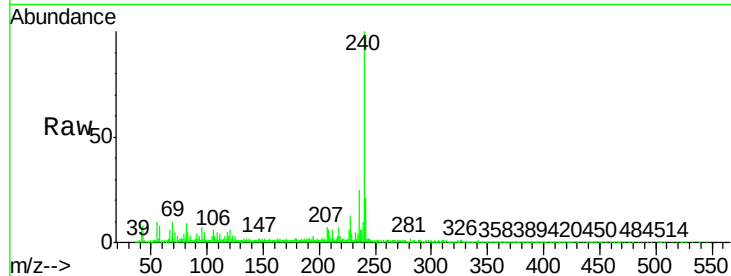
Tot Ion:240 Resp: 378931

Ion Ratio Lower Upper

240 100

120 5.8 4.1 6.1

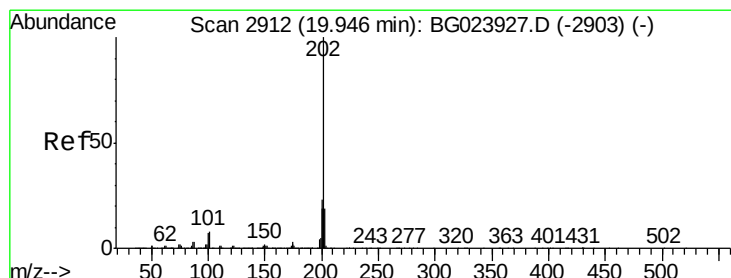
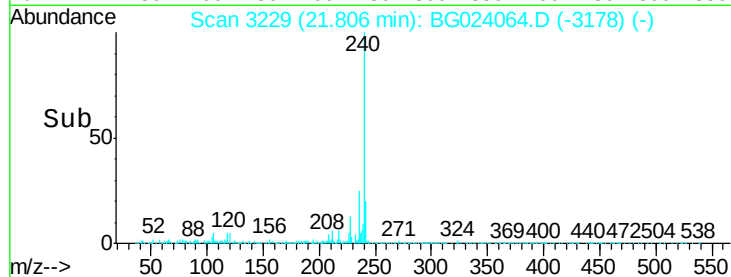
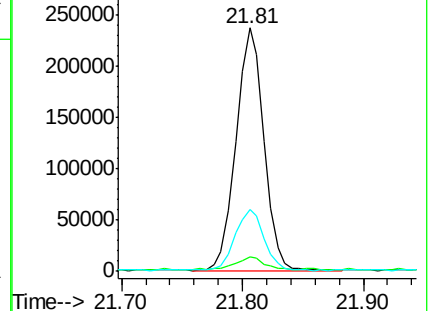
236 25.5 21.1 31.7



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: 14.30 ng

RT: 19.92 min Scan# 2908

Delta R.T. 0.01 min

Lab File: BG024064.D

Acq: 21 Sep 2016 20:53

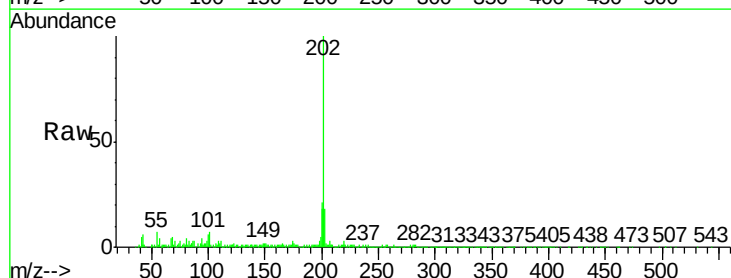
Tgt Ion:202 Resp: 333327

Ion Ratio Lower Upper

202 100

200 21.2 21.2 31.8#

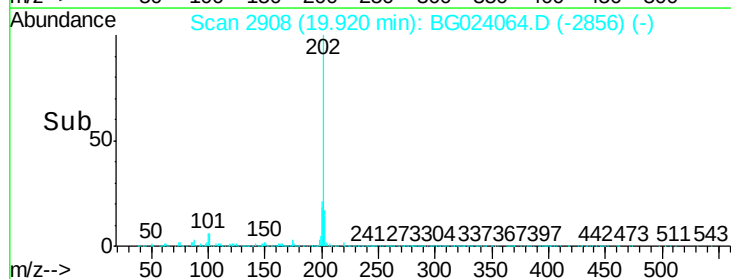
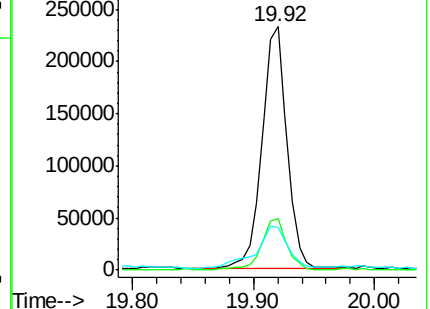
203 17.5 16.8 25.2

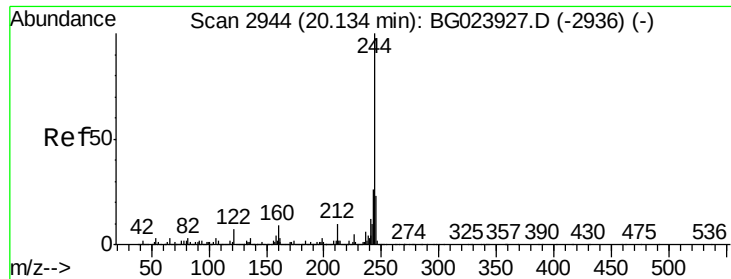


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 85.74 ng

RT: 20.11 min Scan# 2940

Delta R.T. 0.01 min

Lab File: BG024064.D

Acq: 21 Sep 2016 20:53

Instrument :

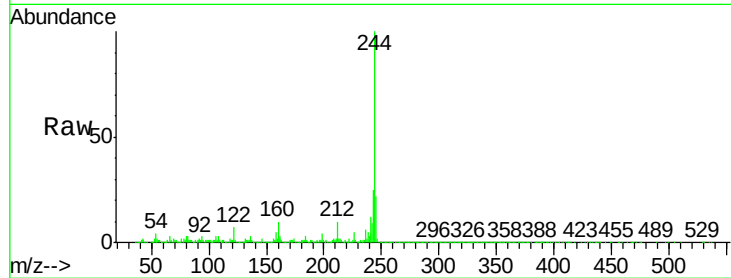
BNA_G

ClientSampleId :

YORK-SB2-07-DUP

Tot Ion:244 Resp: 1426582

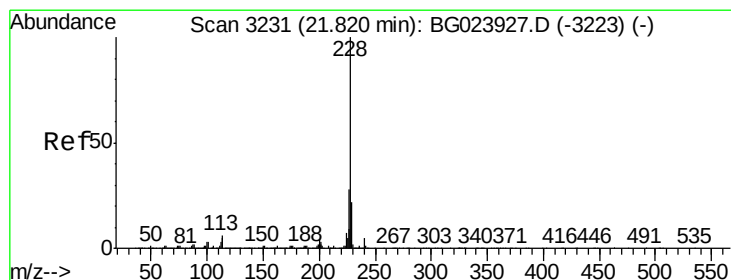
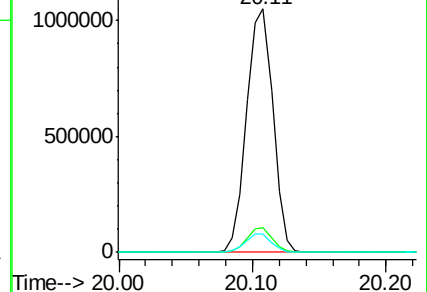
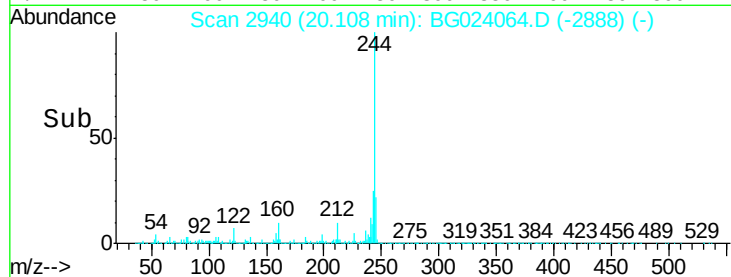
Ion	Ratio	Lower	Upper
244	100		
212	10.4	10.8	16.2#
122	7.5	8.0	12.0#



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: 9.79 ng

RT: 21.79 min Scan# 3226

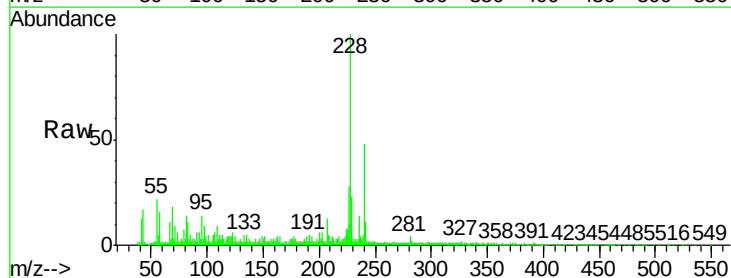
Delta R.T. 0.01 min

Lab File: BG024064.D

Acq: 21 Sep 2016 20:53

Tgt Ion:228 Resp: 207727

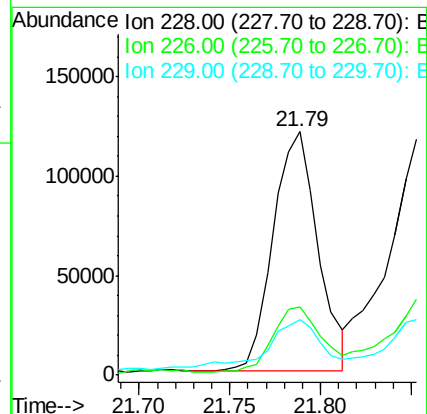
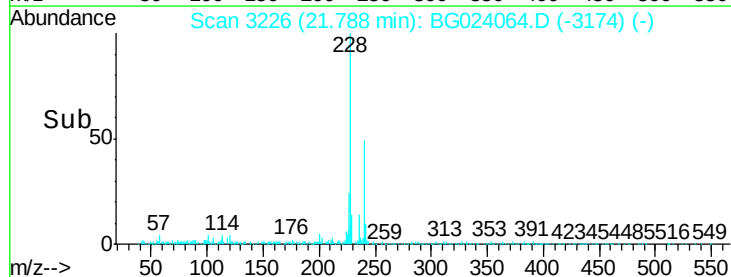
Ion	Ratio	Lower	Upper
228	100		
226	28.0	25.3	37.9
229	22.7	19.9	29.9

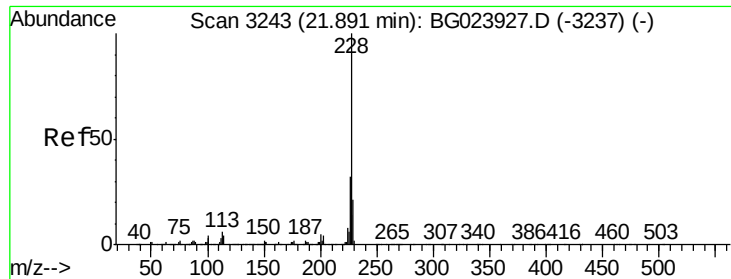


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 11.42 ng

RT: 21.85 min Scan# 3237

Delta R.T. -0.00 min

Lab File: BG024064.D

Acq: 21 Sep 2016 20:53

Instrument :

BNA_G

ClientSampleId :

YORK-SB2-07-DUP

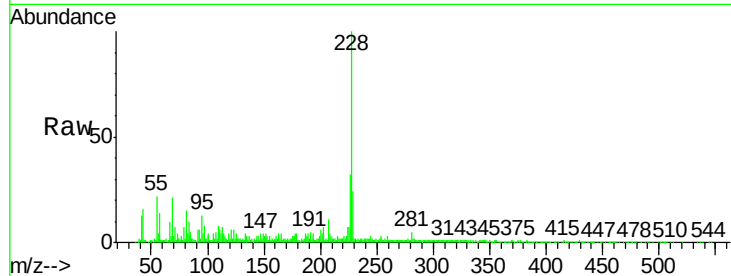
Tot Ion:228 Resp: 230619

Ion Ratio Lower Upper

228 100

226 32.2 26.7 40.1

229 23.7 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

150000

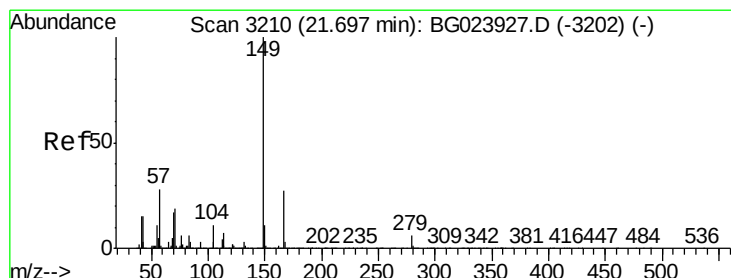
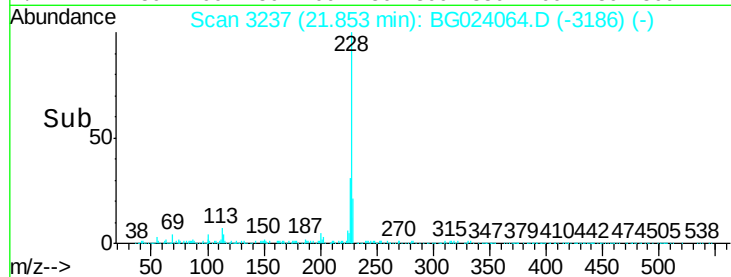
100000

50000

0

21.80 21.85 21.90 21.95

Time-->



#83

Bis(2-ethylhexyl)phthalate

Concen: 189.24 ng

RT: 21.66 min Scan# 3205

Delta R.T. 0.01 min

Lab File: BG024064.D

Acq: 21 Sep 2016 20:53

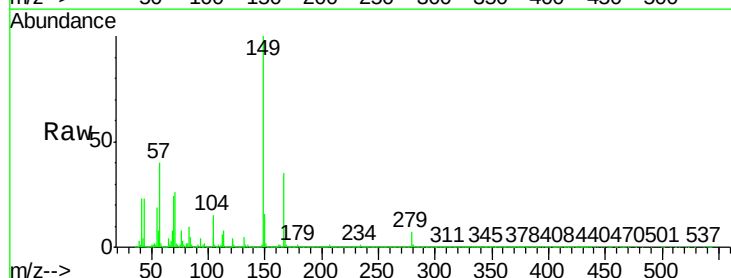
Tgt Ion:149 Resp: 2327730

Ion Ratio Lower Upper

149 100

167 35.0 24.0 36.0

279 7.4 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

2000000

1500000

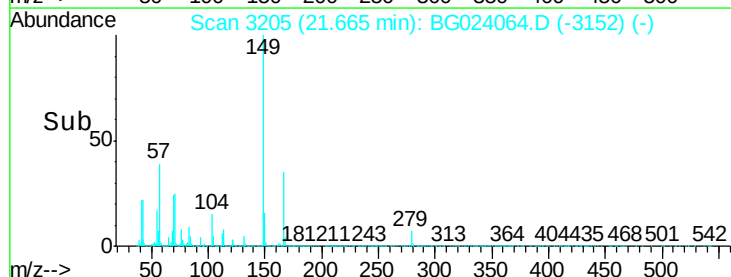
1000000

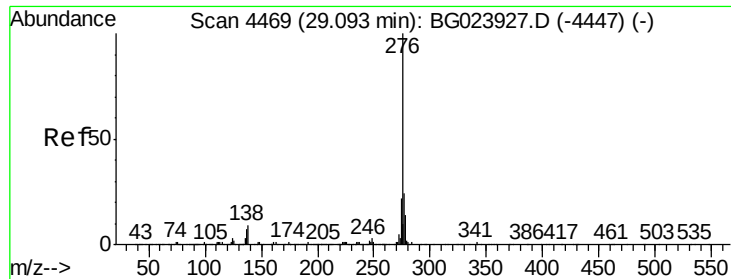
500000

0

21.60 21.65 21.70

Time-->





#85

Indeno(1,2,3-cd)pyrene

Concen: 4.91 ng

RT: 29.01 min Scan# 4455

Delta R.T. 0.04 min

Lab File: BG024064.D

Acq: 21 Sep 2016 20:53

Instrument :

BNA_G

ClientSampleId :

YORK-SB2-07-DUP

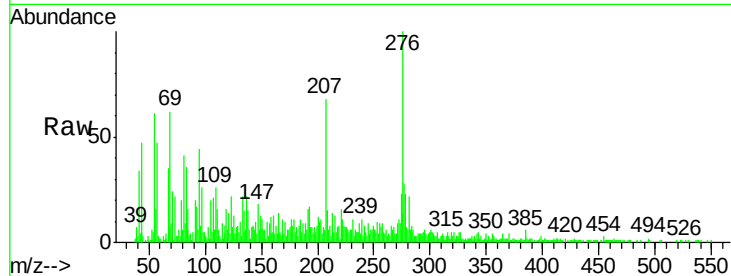
Tot Ion:276 Resp: 109682

Ion Ratio Lower Upper

276 100

138 3.9 0.0 0.0#

277 18.3 0.0 0.0#

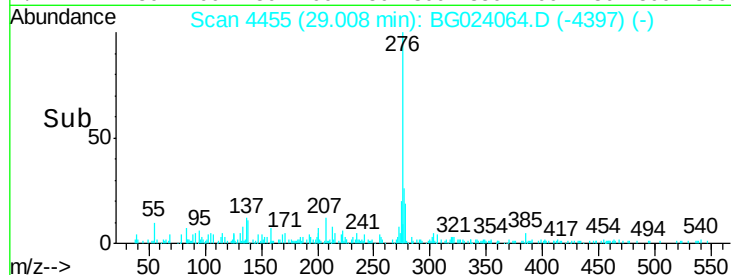


Abundance Ion 276.00 (275.70 to 276.70): E

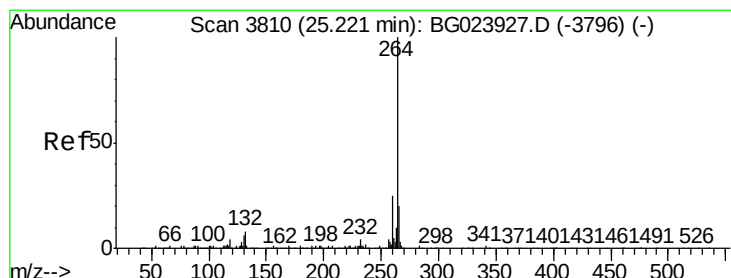
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

Time-->



Time-->



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.16 min Scan# 3800

Delta R.T. 0.01 min

Lab File: BG024064.D

Acq: 21 Sep 2016 20:53

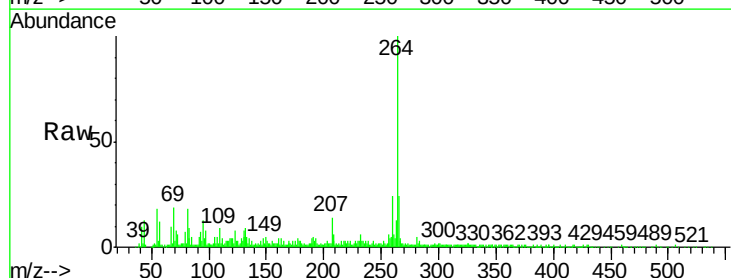
Tgt Ion:264 Resp: 356172

Ion Ratio Lower Upper

264 100

260 23.8 18.4 27.6

265 23.8 18.9 28.3

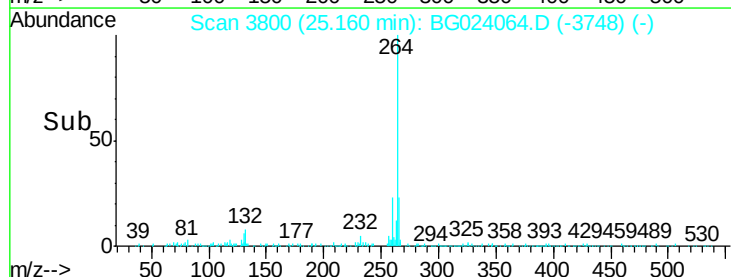


Abundance Ion 264.00 (263.70 to 264.70): E

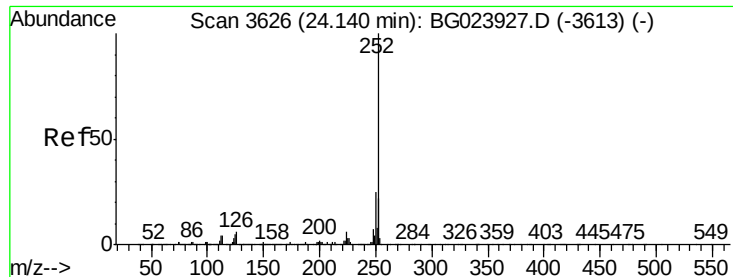
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

Time-->



Time-->



#87

Benzo(b)fluoranthene

Concen: 13.91 ng

RT: 24.10 min Scan# 3619

Delta R.T. 0.02 min

Lab File: BG024064.D

Acq: 21 Sep 2016 20:53

Instrument :

BNA_G

ClientSampleId :

YORK-SB2-07-DUP

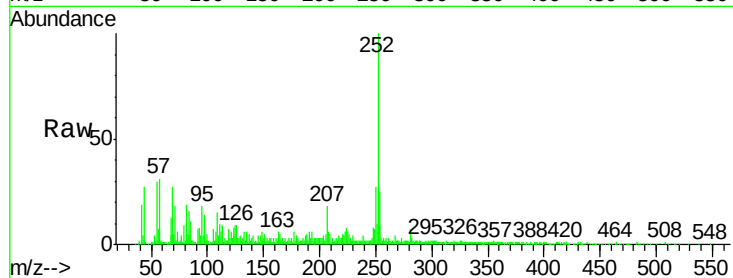
Tot Ion:252 Resp: 281449

Ion Ratio Lower Upper

252 100

253 24.9 18.9 28.3

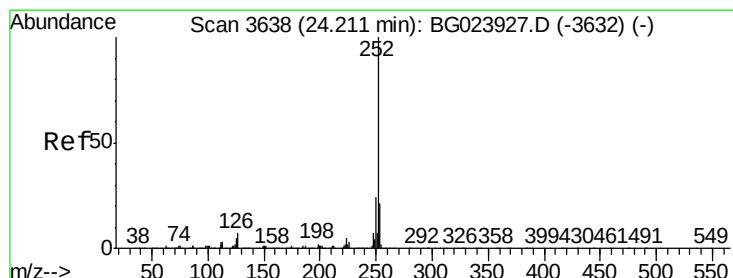
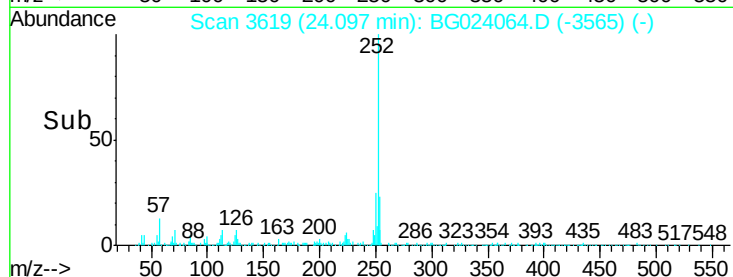
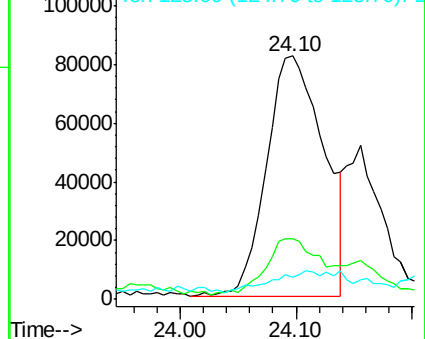
125 9.1 3.9 5.9#



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: 5.78 ng m

RT: 24.16 min Scan# 3629

Delta R.T. 0.01 min

Lab File: BG024064.D

Acq: 21 Sep 2016 20:53

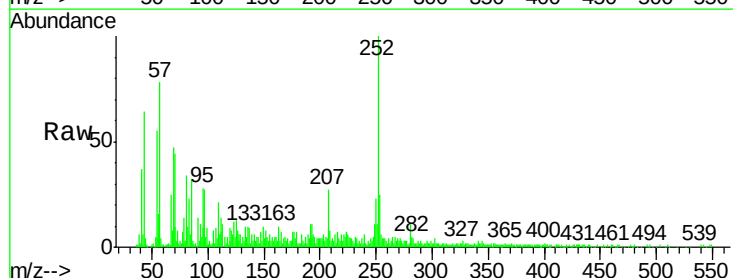
Tgt Ion:252 Resp: 115922

Ion Ratio Lower Upper

252 100

253 24.9 18.8 28.2

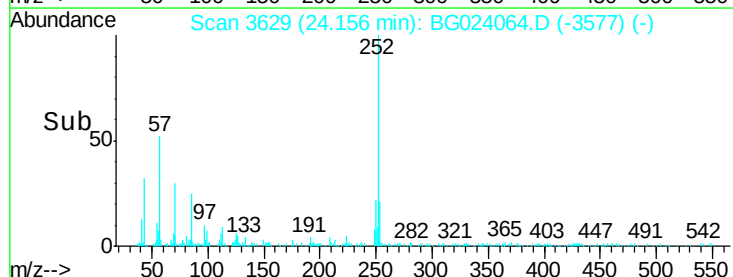
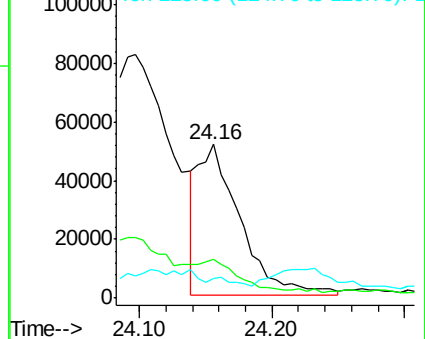
125 12.9 3.2 4.8#

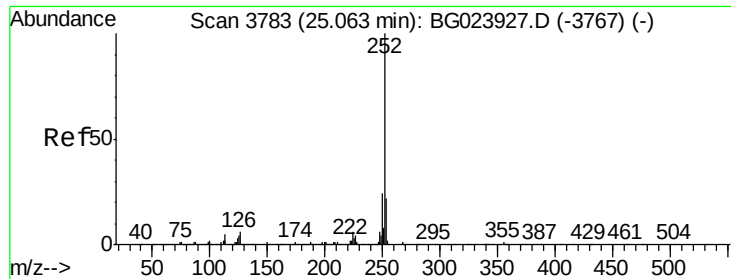


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 9.03 ng

RT: 25.00 min Scan# 3773

Delta R.T. 0.01 min

Lab File: BG024064.D

Acq: 21 Sep 2016 20:53

Instrument :

BNA_G

ClientSampleId :

YORK-SB2-07-DUP

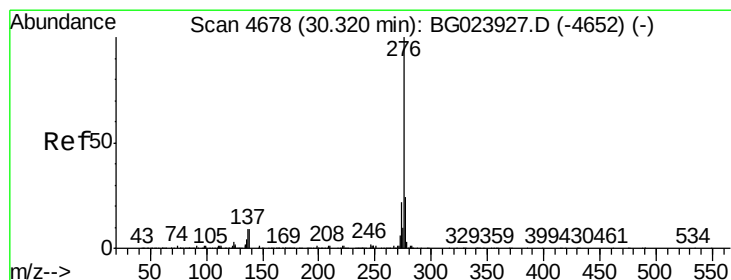
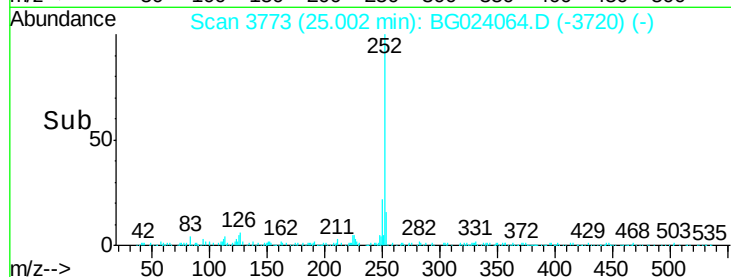
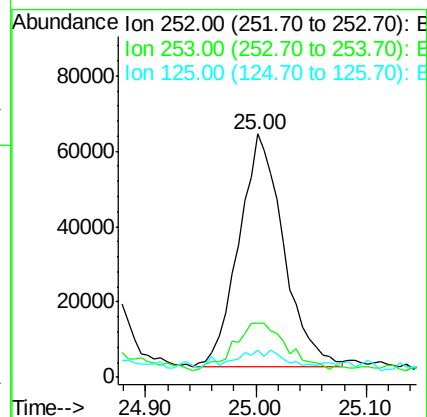
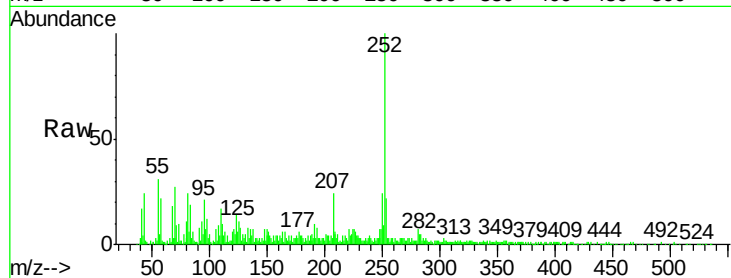
Tot Ion:252 Resp: 173571

Ion Ratio Lower Upper

252 100

253 22.4 18.7 28.1

125 11.2 3.9 5.9#



#91

Benzo(g,h,i)perylene

Concen: 4.98 ng

RT: 30.22 min Scan# 4662

Delta R.T. 0.06 min

Lab File: BG024064.D

Acq: 21 Sep 2016 20:53

Tgt Ion:276 Resp: 90472

Ion Ratio Lower Upper

276 100

277 27.7 18.6 27.8

138 12.7 6.8 10.2#

