

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092116\
 Data File : BG024061.D
 Acq On : 21 Sep 2016 18:58
 Operator : UM/SJ
 Sample : H4820-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 YORK-TP1-03

Quant Time: Sep 22 07:30:40 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

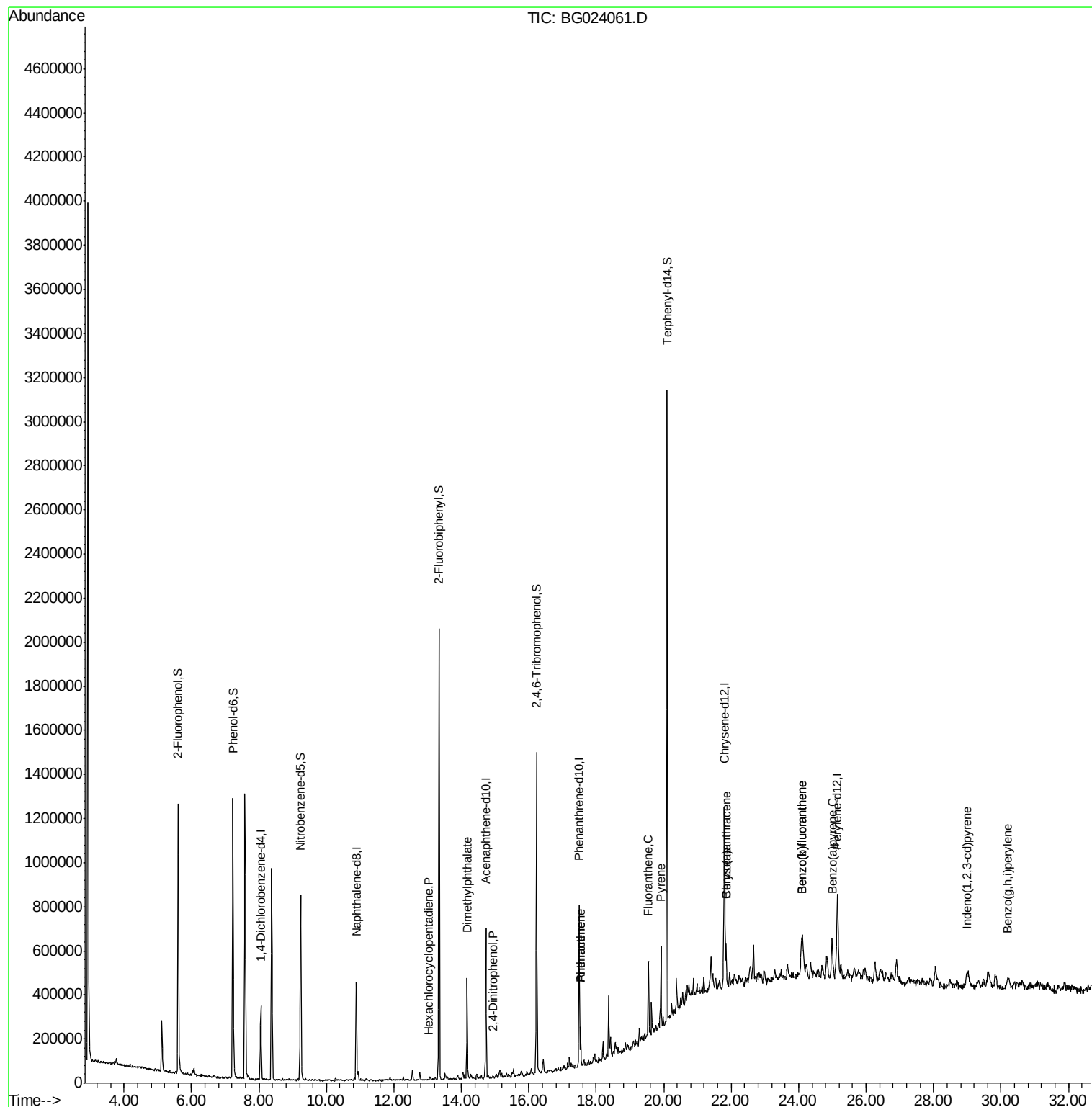
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	84730	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	344082	20.00	ng	0.00
38) Acenaphthene-d10	14.73	164	237425	20.00	ng	0.00
63) Phenanthrene-d10	17.49	188	424580	20.00	ng	0.00
75) Chrysene-d12	21.80	240	437022	20.00	ng	0.00
86) Perylene-d12	25.15	264	422756	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	468789	97.14	ng	0.00
7) Phenol-d6	7.23	99	713322	96.02	ng	0.00
23) Nitrobenzene-d5	9.24	82	544683	70.67	ng	0.00
41) 2,4,6-Tribromophenol	16.23	330	270055	63.13	ng	0.00
44) 2-Fluorobiphenyl	13.34	172	952282	57.50	ng	0.00
78) Terphenyl-d14	20.10	244	1146731	59.76	ng	0.00
Target Compounds						Qvalue
40) Hexachlorocyclopentadiene	13.02	237	66	7.09	ng	# 26
49) Dimethylphthalate	14.17	163	259583	12.75	ng	97
53) 2,4-Dinitrophenol	14.93	184	67	6.53	ng	# 40
70) Phenanthrene	17.54	178	104246	4.72	ng	95
71) Anthracene	17.54	178	104246	4.63	ng	96
74) Fluoranthene	19.55	202	212962	8.01	ng	91
77) Pyrene	19.92	202	234677	8.73	ng	93
80) Benzo(a)anthracene	21.85	228	148228	6.06	ng	97
82) Chrysene	21.85	228	148228	6.37	ng	98
85) Indeno(1,2,3-cd)pyrene	28.99	276	104474	4.05	ng	# 100
87) Benzo(b)fluoranthene	24.09	252	207203	8.63	ng	# 98
88) Benzo(k)fluoranthene	24.09	252	207203	8.70	ng	# 98
89) Benzo(a)pyrene	24.99	252	159471	6.99	ng	# 96
91) Benzo(g,h,i)perylene	30.21	276	103091	4.78	ng	# 92

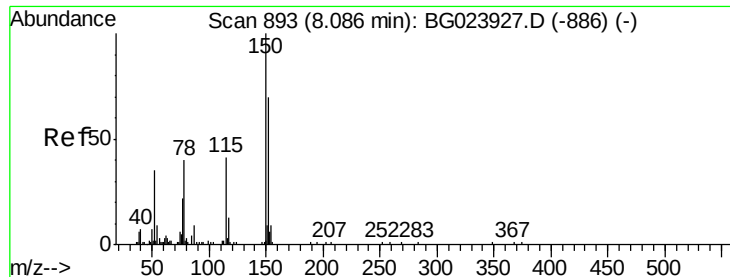
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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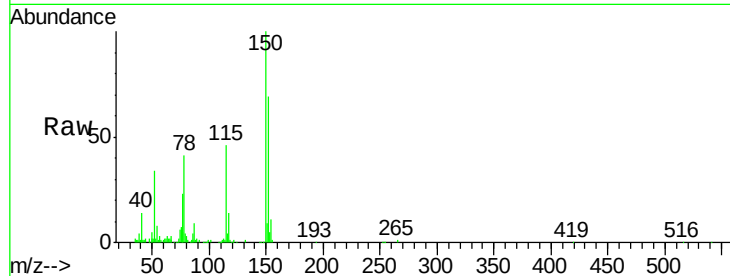


#1

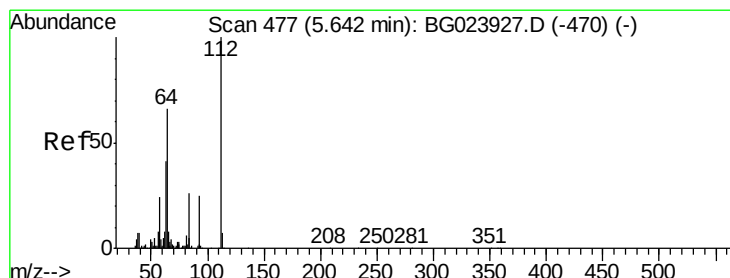
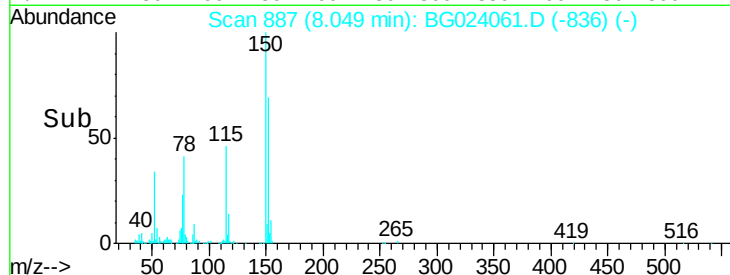
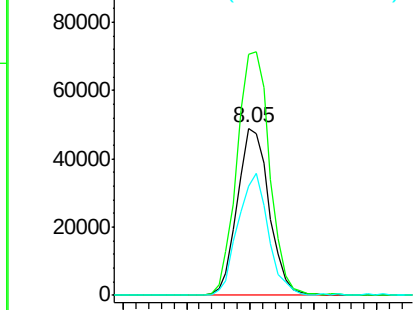
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.05 min Scan# 887
Delta R.T. 0.00 min
Lab File: BG024061.D
Acq: 21 Sep 2016 18:58

Instrument :
BNA_G
ClientSampleId :
YORK-TP1-03

Tgt Ion:152 Resp: 84730
Ion Ratio Lower Upper
152 100
150 144.1 144.7 217.1#
115 65.6 64.0 96.0



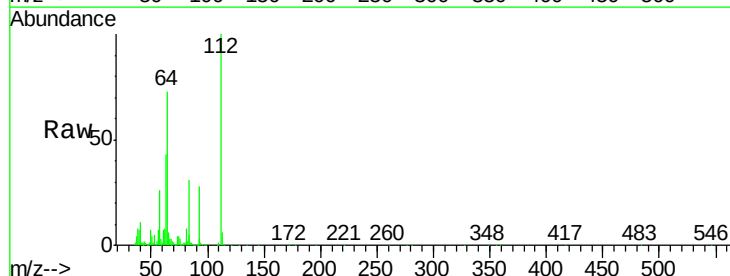
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



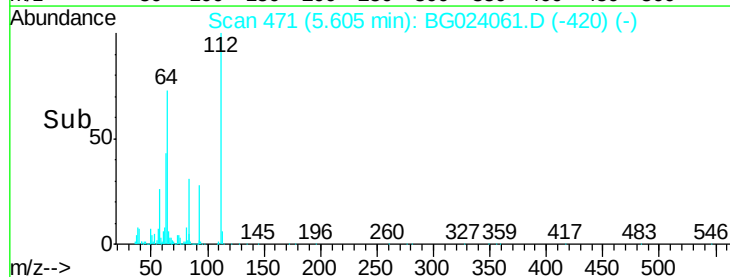
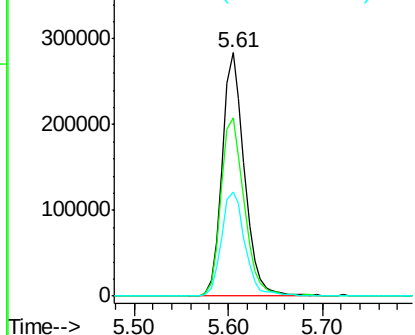
#5

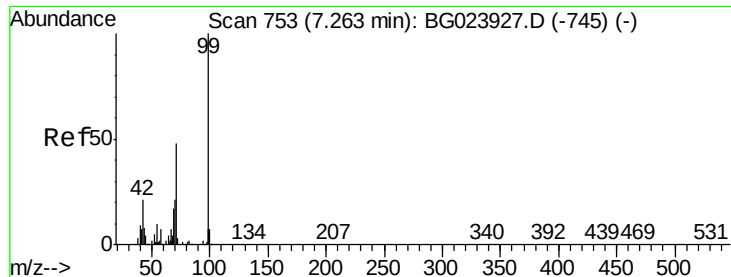
2-Fluorophenol
Concen: 97.14 ng
RT: 5.61 min Scan# 471
Delta R.T. 0.00 min
Lab File: BG024061.D
Acq: 21 Sep 2016 18:58

Tgt Ion:112 Resp: 468789
Ion Ratio Lower Upper
112 100
64 73.4 59.0 88.4
63 42.7 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: 96.02 ng

RT: 7.23 min Scan# 747

Delta R.T. 0.01 min

Lab File: BG024061.D

Acq: 21 Sep 2016 18:58

Instrument :

BNA_G

ClientSampleId :

YORK-TP1-03

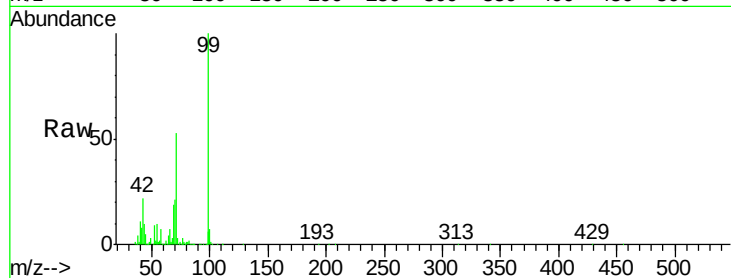
Tgt Ion: 99 Resp: 713322

Ion Ratio Lower Upper

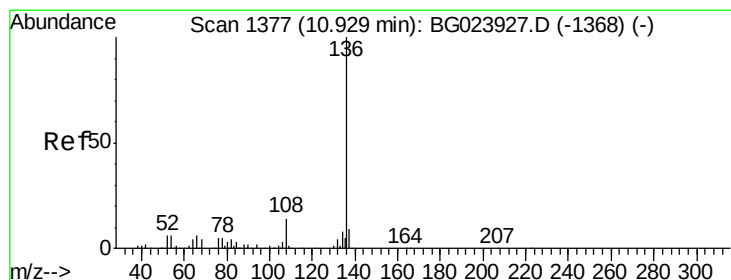
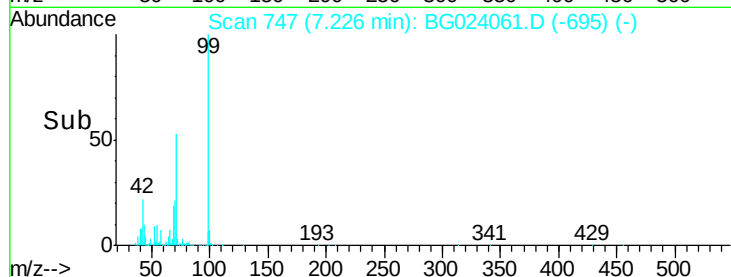
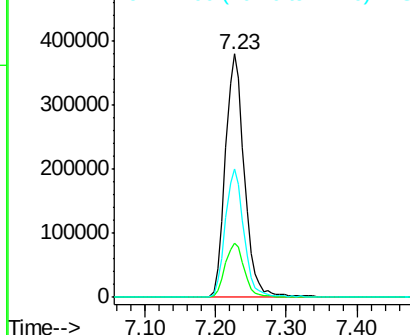
99 100

42 22.3 17.8 26.6

71 52.8 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: BG024061.D

Acq: 21 Sep 2016 18:58

Tgt Ion: 136 Resp: 344082

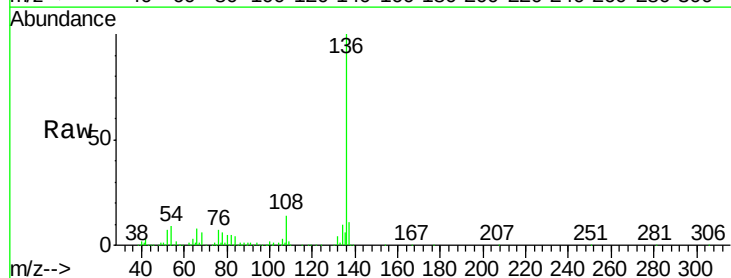
Ion Ratio Lower Upper

136 100

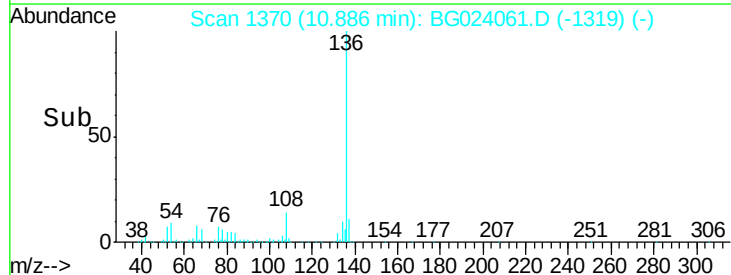
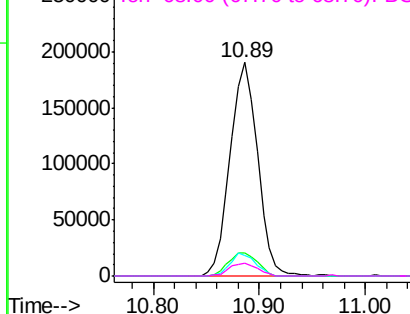
137 10.7 9.6 14.4

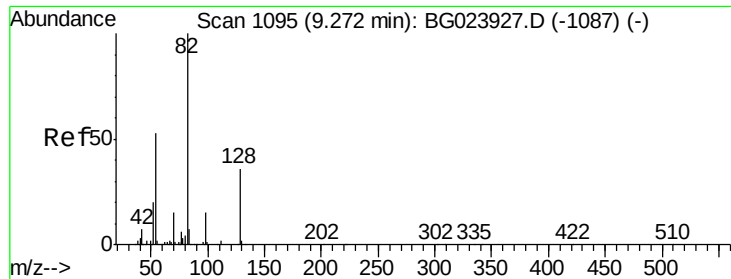
54 9.4 7.3 10.9

68 5.9 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

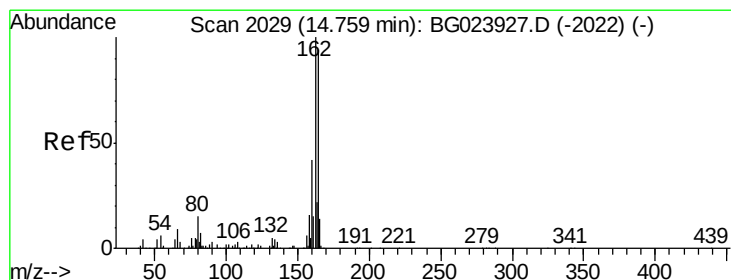
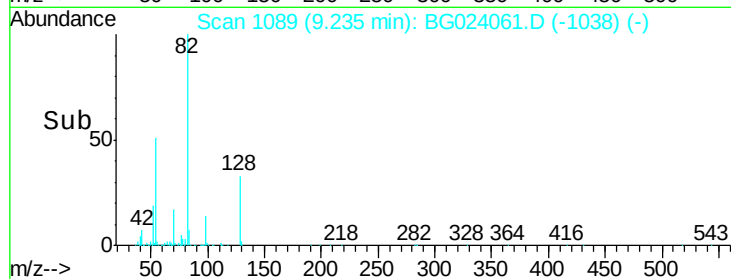
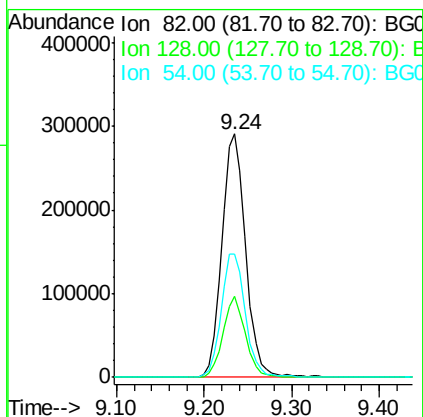
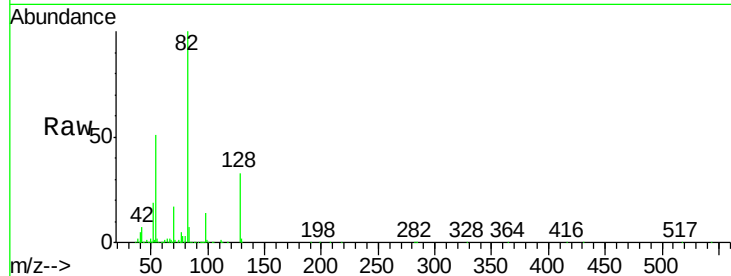




#23
 Nitrobenzene-d5
 Concen: 70.67 ng
 RT: 9.24 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: BG024061.D
 Acq: 21 Sep 2016 18:58

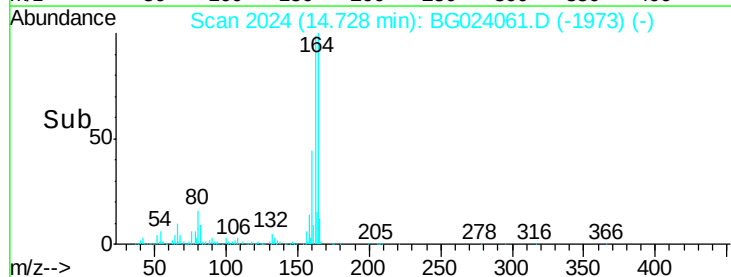
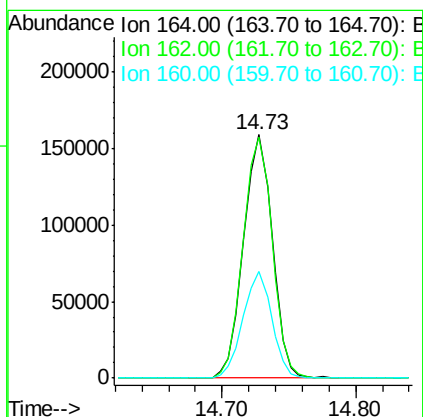
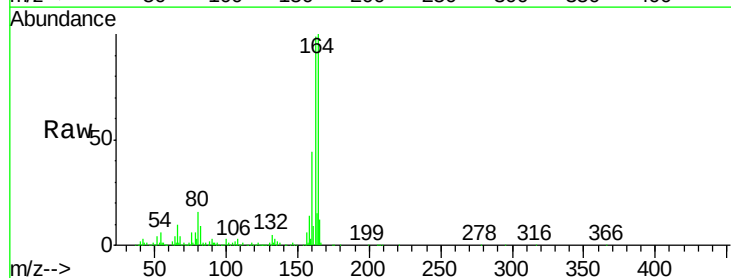
Instrument :
 BNA_G
 ClientSampleId :
 YORK-TP1-03

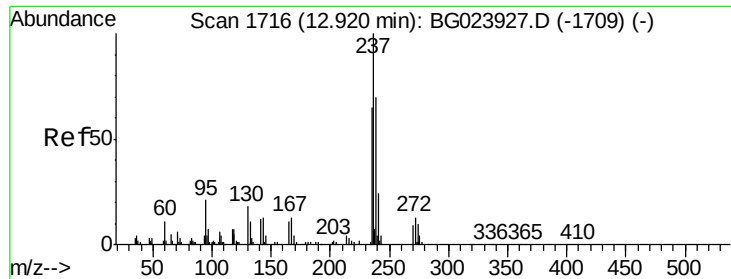
Tgt Ion	Ratio	Lower	Upper
82	100		
128	33.3	24.4	36.6
54	50.8	41.4	62.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.73 min Scan# 2024
 Delta R.T. 0.00 min
 Lab File: BG024061.D
 Acq: 21 Sep 2016 18:58

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.0	87.7	131.5
160	43.6	37.2	55.8





#40

Hexachlorocyclopentadiene

Concen: 7.09 ng

RT: 13.02 min Scan# 1733

Delta R.T. 0.14 min

Lab File: BG024061.D

Acq: 21 Sep 2016 18:58

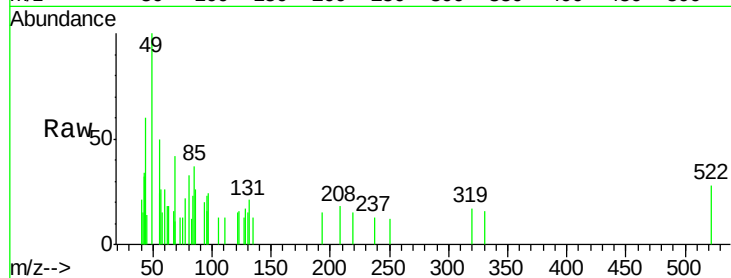
Instrument :

BNA_G

ClientSampleId :

YORK-TP1-03

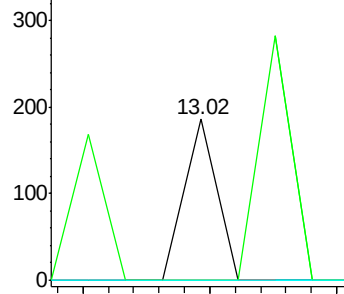
Tgt Ion:	237	Resp:	66
Ion	Ratio	Lower	Upper
237	100		
235	0.0	43.1	83.1#
272	0.0	0.0	30.9



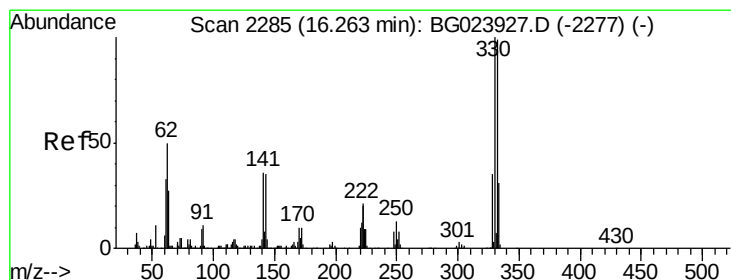
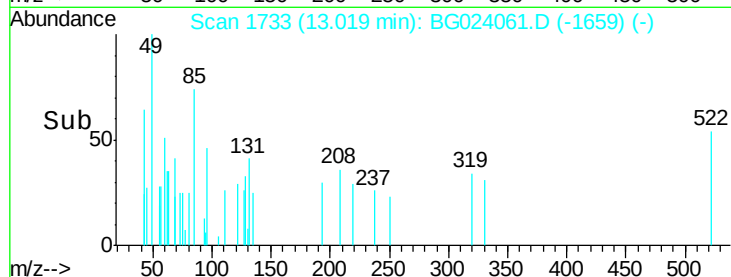
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



Time-->



#41

2,4,6-Tribromophenol

Concen: 63.13 ng

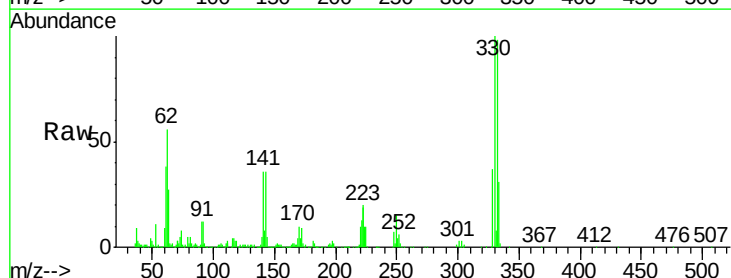
RT: 16.23 min Scan# 2280

Delta R.T. 0.00 min

Lab File: BG024061.D

Acq: 21 Sep 2016 18:58

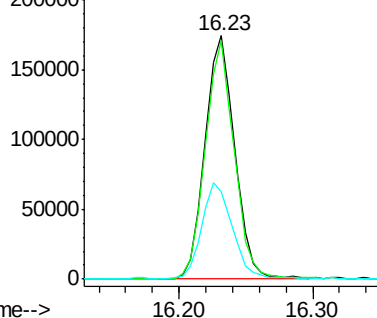
Tgt Ion:	330	Resp:	270055
Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.4	116.2
141	40.2	31.7	47.5



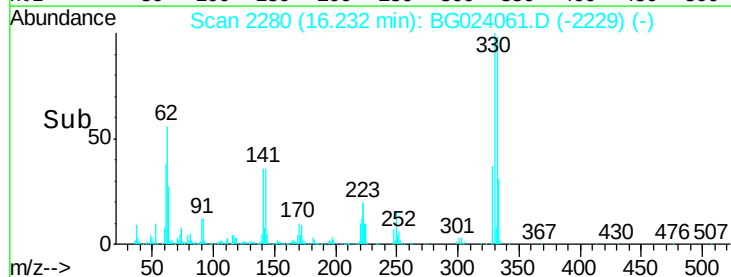
Abundance Ion 329.80 (329.50 to 330.50): E

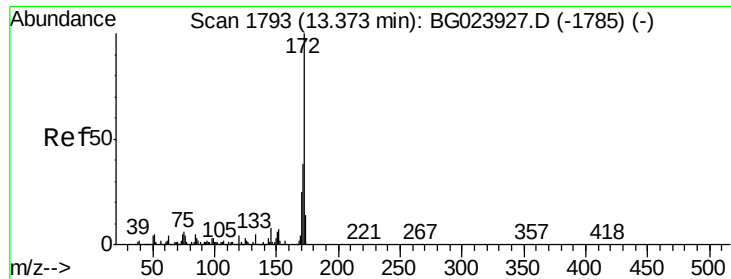
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#44

2-Fluorobiphenyl

Concen: 57.50 ng

RT: 13.34 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BG024061.D

Acq: 21 Sep 2016 18:58

Instrument :

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ClientSampleId :

YORK-TP1-03

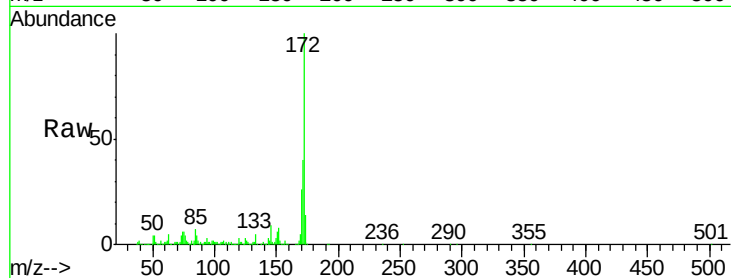
Tgt Ion:172 Resp: 952282

Ion Ratio Lower Upper

172 100

171 39.9 31.6 47.4

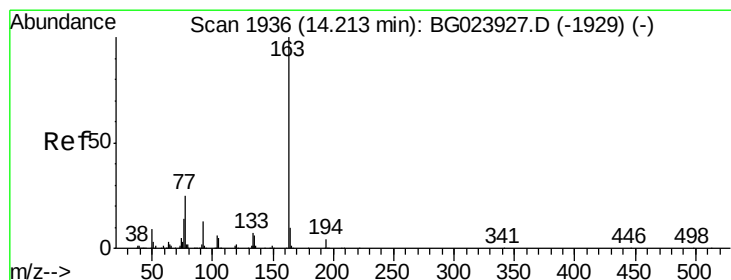
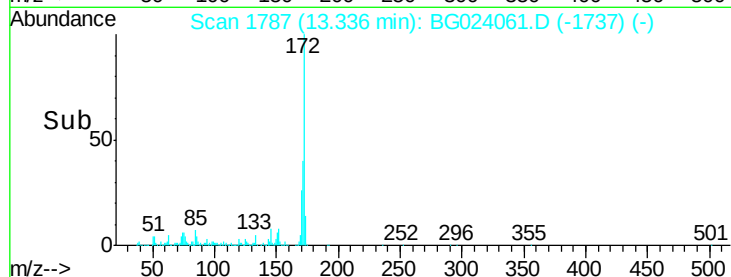
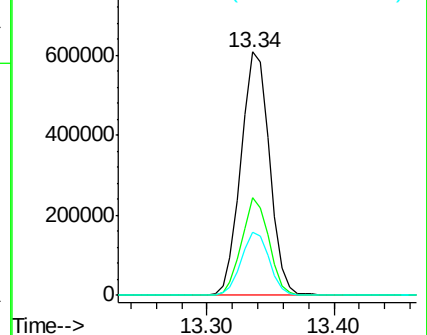
170 25.8 21.3 31.9



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: 12.75 ng

RT: 14.17 min Scan# 1929

Delta R.T. -0.01 min

Lab File: BG024061.D

Acq: 21 Sep 2016 18:58

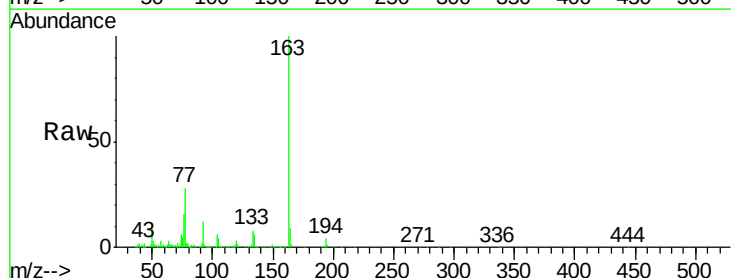
Tgt Ion:163 Resp: 259583

Ion Ratio Lower Upper

163 100

194 4.0 3.6 5.4

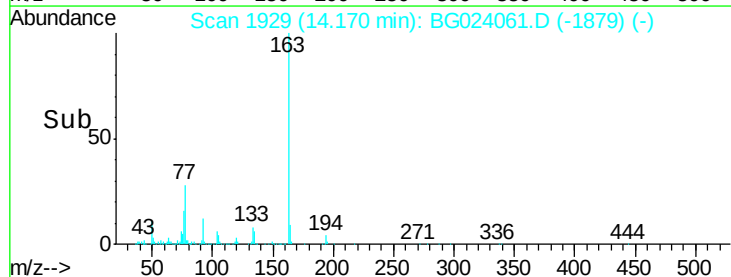
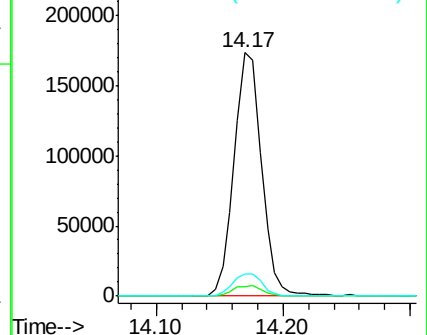
164 8.9 8.1 12.1

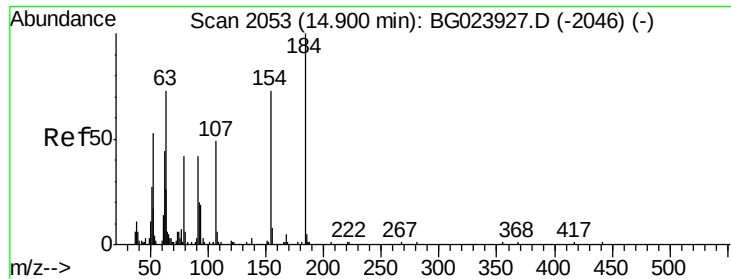


Abundance Ion 163.00 (162.70 to 163.70): E

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: 14.93 min Scan# 2059

Delta R.T. 0.06 min

Lab File: BG024061.D

Acq: 21 Sep 2016 18:58

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ClientSampleId :

YORK-TP1-03

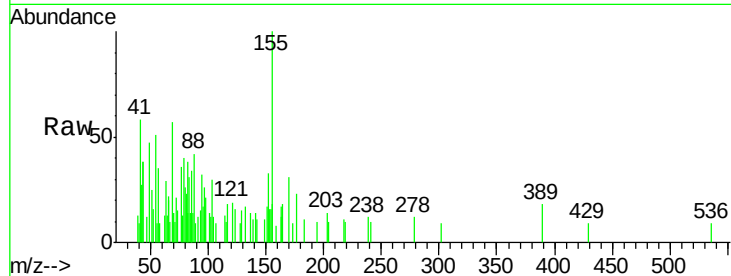
Tgt Ion:184 Resp: 67

Ion Ratio Lower Upper

184 100

63 117.8 59.6 89.4#

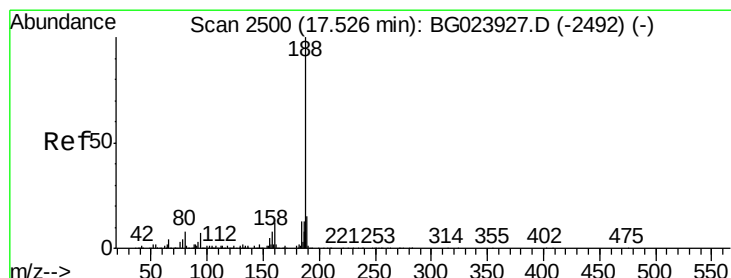
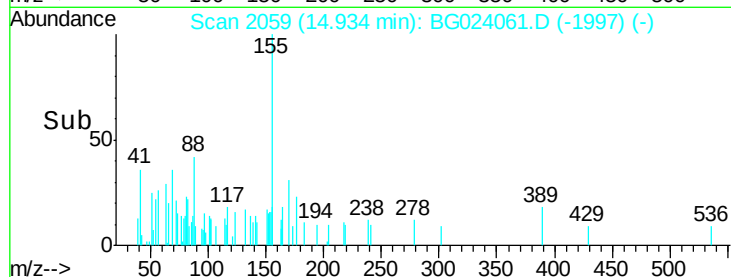
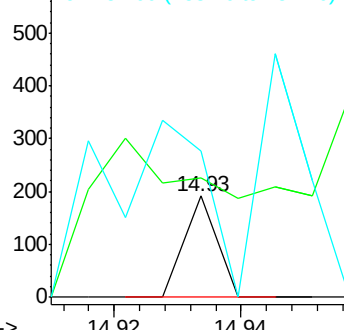
154 145.0 67.4 101.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG023927.D (-2046) (-)

Ion 154.00 (153.70 to 154.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.49 min Scan# 2494

Delta R.T. -0.01 min

Lab File: BG024061.D

Acq: 21 Sep 2016 18:58

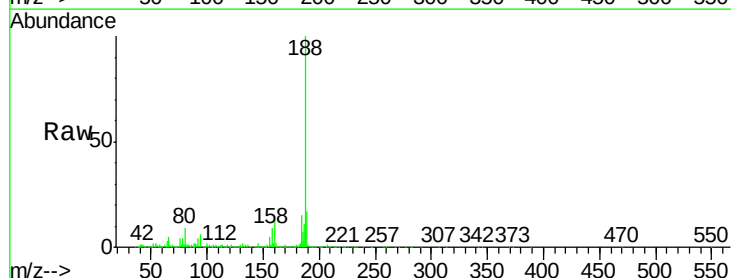
Tgt Ion:188 Resp: 424580

Ion Ratio Lower Upper

188 100

94 6.4 5.2 7.8

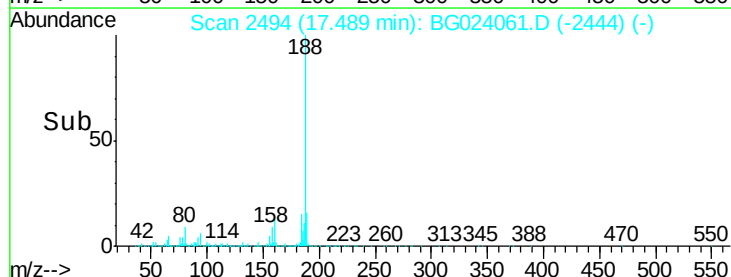
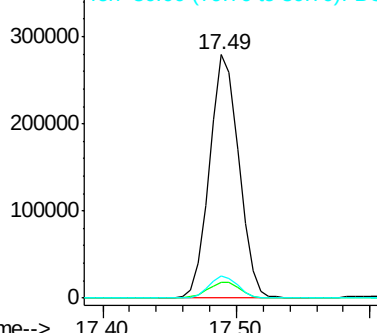
80 9.3 7.2 10.8

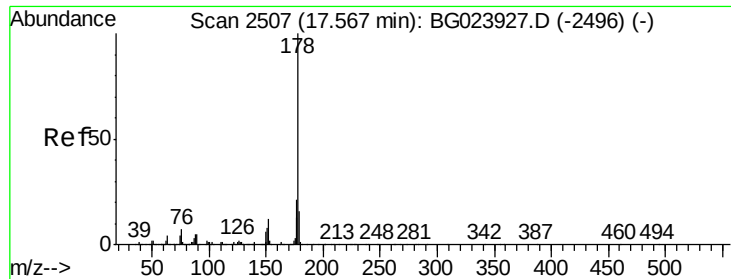


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG023927.D (-2492) (-)

Ion 80.00 (79.70 to 80.70): BG023927.D (-2492) (-)





#70

Phenanthrene

Concen: 4.72 ng

RT: 17.54 min Scan# 2502

Delta R.T. 0.00 min

Lab File: BG024061.D

Acq: 21 Sep 2016 18:58

Instrument :

BNA_G

ClientSampleId :

YORK-TP1-03

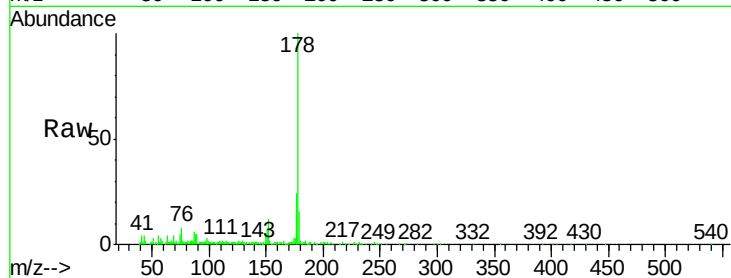
Tgt Ion:178 Resp: 104246

Ion Ratio Lower Upper

178 100

176 23.6 16.8 25.2

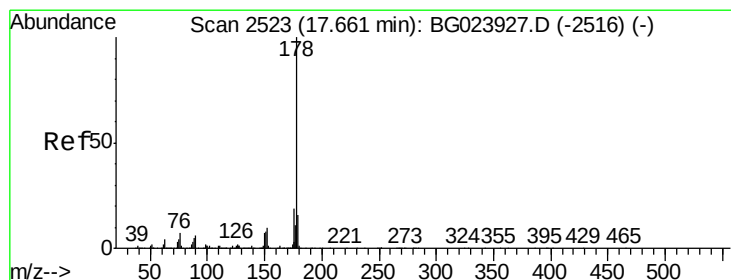
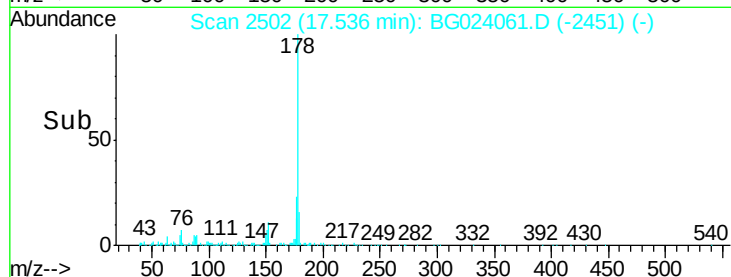
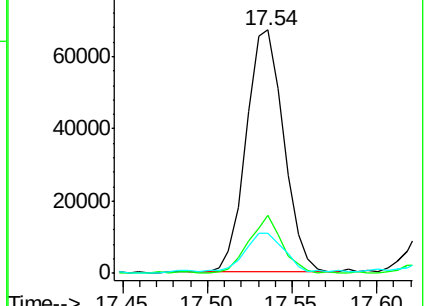
179 16.2 14.3 21.5



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 4.63 ng

RT: 17.54 min Scan# 2502

Delta R.T. -0.09 min

Lab File: BG024061.D

Acq: 21 Sep 2016 18:58

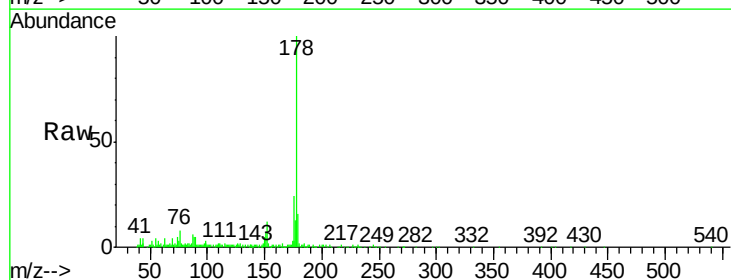
Tgt Ion:178 Resp: 104246

Ion Ratio Lower Upper

178 100

176 23.6 17.3 25.9

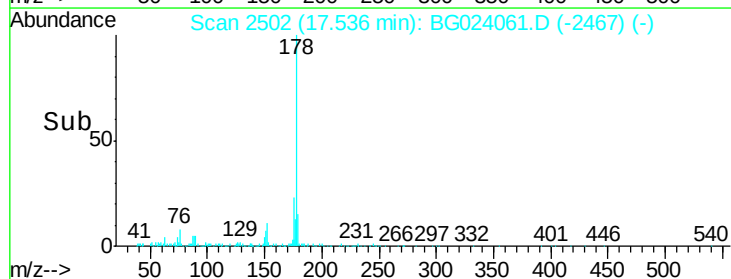
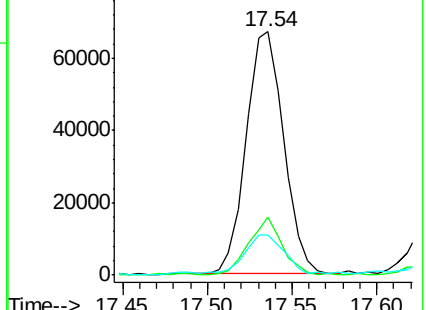
179 16.2 14.0 21.0

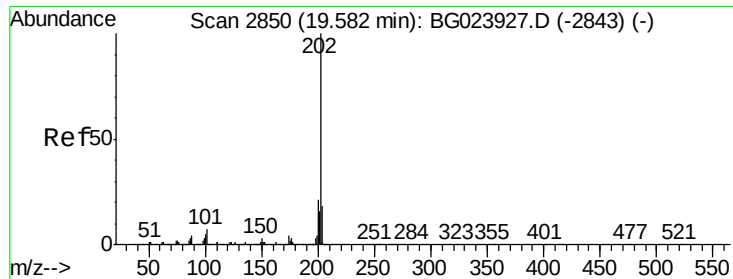


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 8.01 ng

RT: 19.55 min Scan# 2845

Delta R.T. 0.00 min

Lab File: BG024061.D

Acq: 21 Sep 2016 18:58

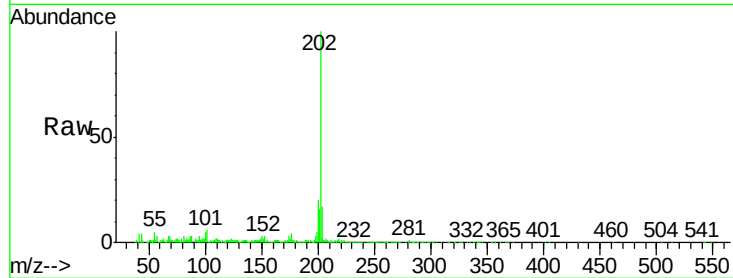
Instrument :

BNA_G

ClientSampleId :

YORK-TP1-03

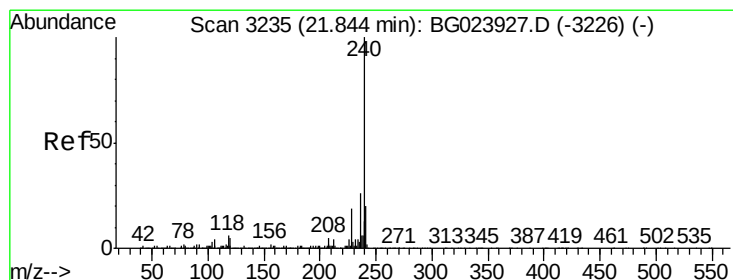
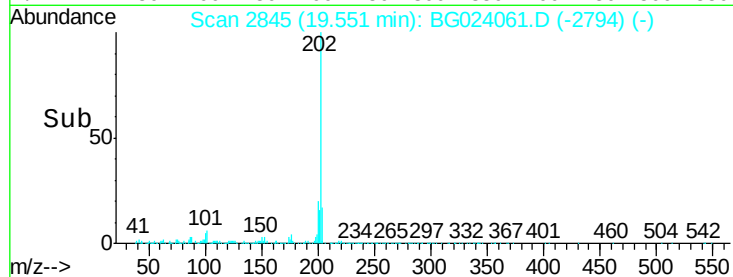
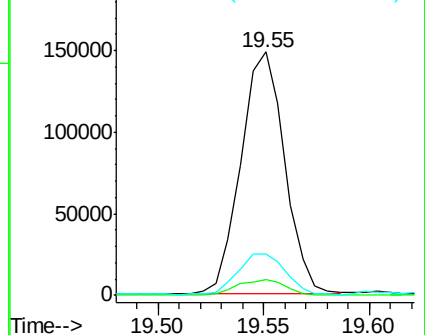
Tgt Ion:	202	Resp:	212962
Ion Ratio	Lower	Upper	
202	100		
101	6.4	0.0	27.4
203	16.8	1.7	41.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

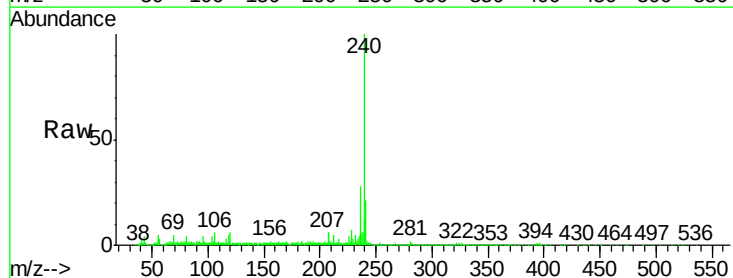
RT: 21.80 min Scan# 3228

Delta R.T. -0.01 min

Lab File: BG024061.D

Acq: 21 Sep 2016 18:58

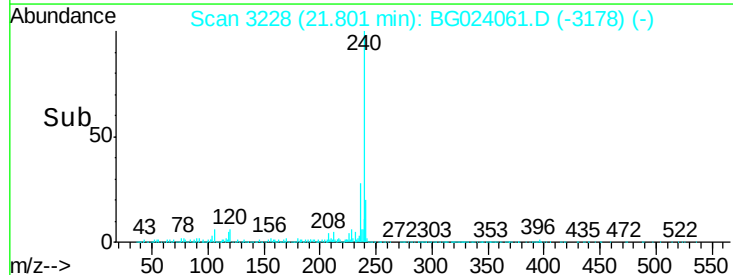
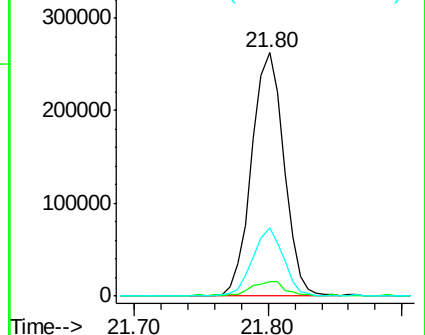
Tgt Ion:	240	Resp:	437022
Ion Ratio	Lower	Upper	
240	100		
120	5.8	4.1	6.1
236	28.2	21.1	31.7

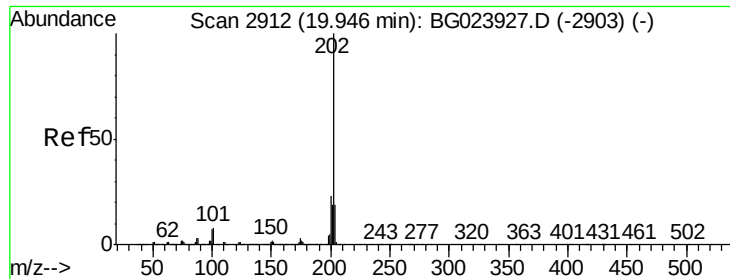


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 8.73 ng

RT: 19.92 min Scan# 2907

Delta R.T. 0.00 min

Lab File: BG024061.D

Acq: 21 Sep 2016 18:58

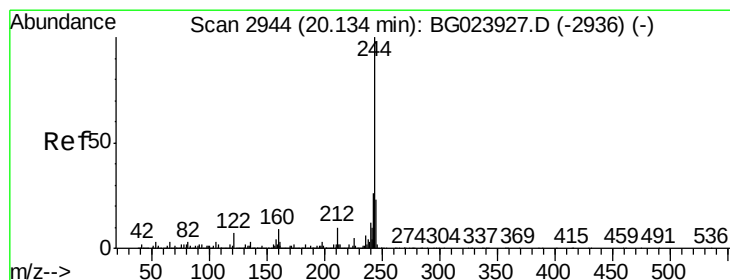
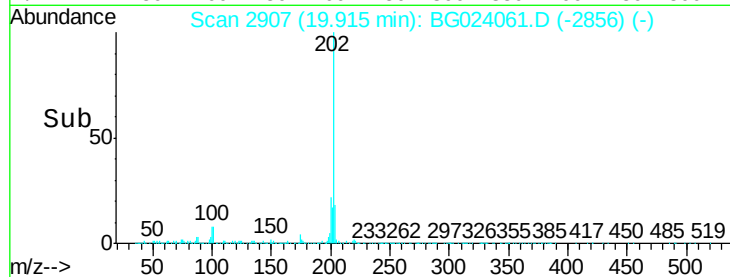
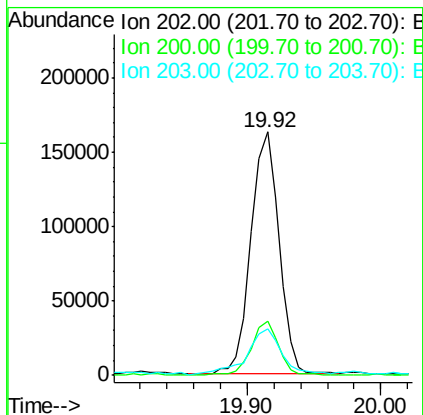
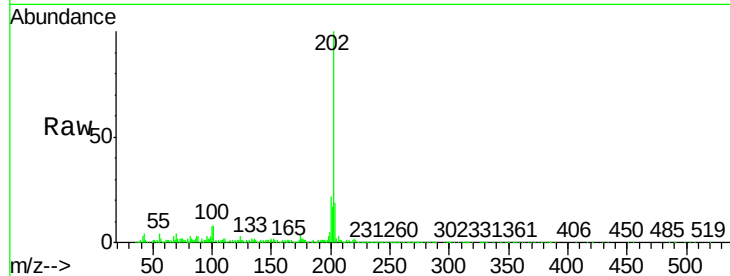
Instrument :

BNA_G

ClientSampleId :

YORK-TP1-03

Tgt Ion:	202	Resp:	234677
Ion	Ratio	Lower	Upper
202	100		
200	22.1	21.2	31.8
203	18.9	16.8	25.2



#78

Terphenyl-d14

Concen: 59.76 ng

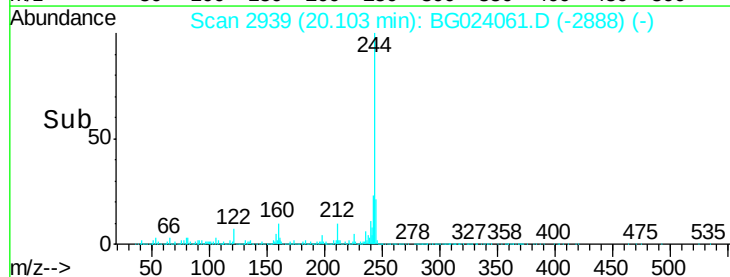
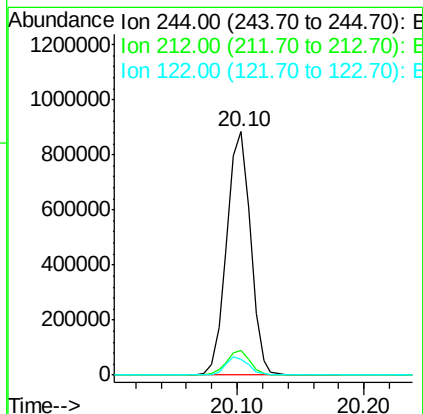
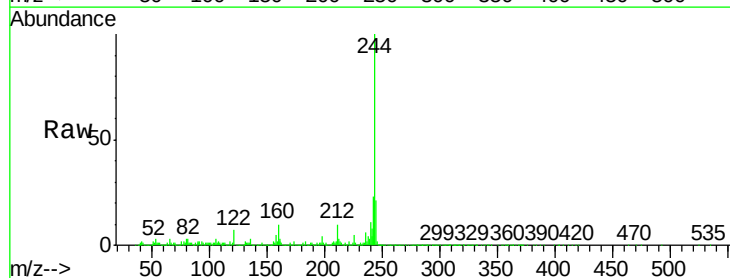
RT: 20.10 min Scan# 2939

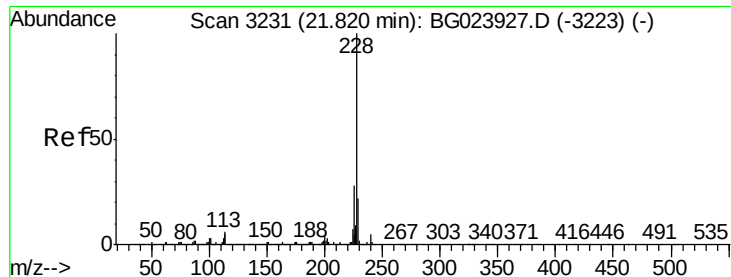
Delta R.T. 0.00 min

Lab File: BG024061.D

Acq: 21 Sep 2016 18:58

Tgt Ion:	244	Resp:	1146731
Ion	Ratio	Lower	Upper
244	100		
212	10.0	10.8	16.2#
122	6.7	8.0	12.0#





#80

Benzo(a)anthracene

Concen: 6.06 ng

RT: 21.85 min Scan# 3236

Delta R.T. 0.06 min

Lab File: BG024061.D

Acq: 21 Sep 2016 18:58

Instrument :

BNA_G

ClientSampleId :

YORK-TP1-03

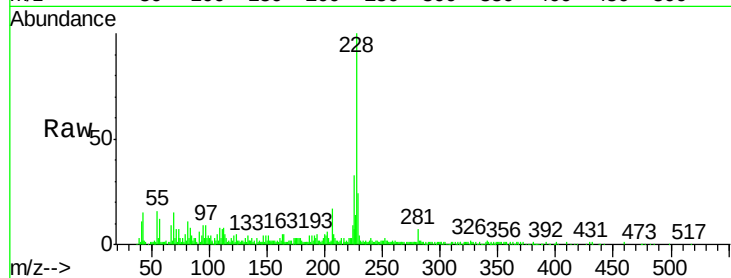
Tgt Ion:228 Resp: 148228

Ion Ratio Lower Upper

228 100

226 33.5 25.3 37.9

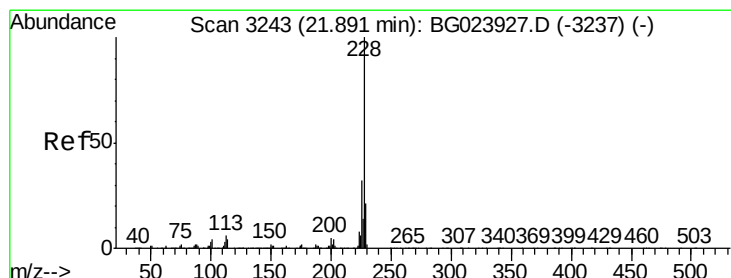
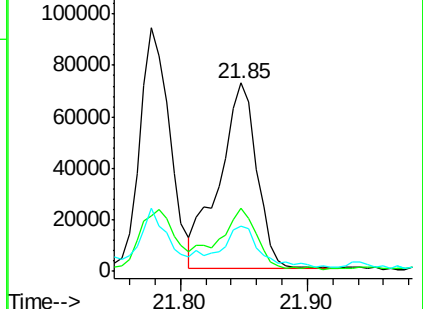
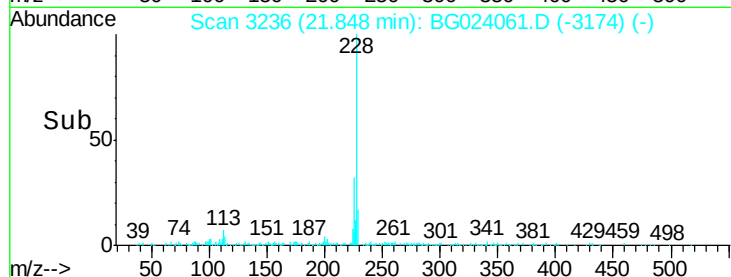
229 23.8 19.9 29.9



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: 6.37 ng

RT: 21.85 min Scan# 3236

Delta R.T. -0.01 min

Lab File: BG024061.D

Acq: 21 Sep 2016 18:58

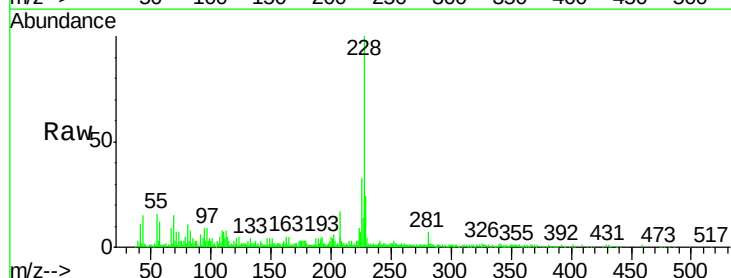
Tgt Ion:228 Resp: 148228

Ion Ratio Lower Upper

228 100

226 33.5 26.7 40.1

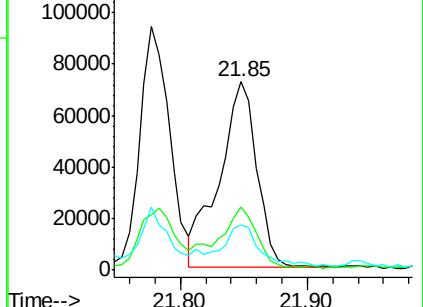
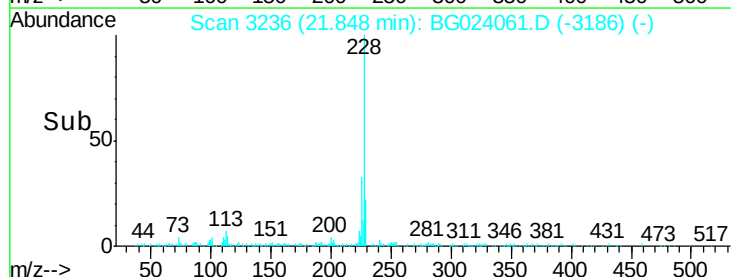
229 23.8 17.4 26.2

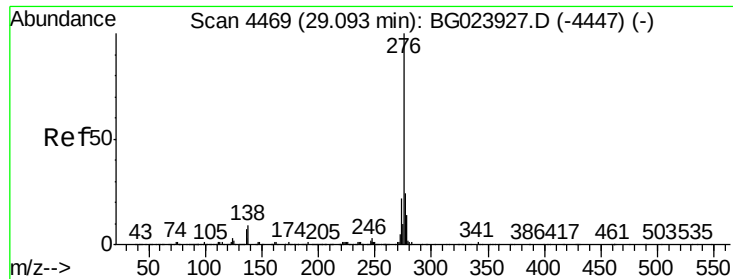


Abundance Ion 228.00 (227.70 to 228.70): E

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: 4.05 ng

RT: 28.99 min Scan# 4451

Delta R.T. 0.02 min

Lab File: BG024061.D

Acq: 21 Sep 2016 18:58

Instrument :

BNA_G

ClientSampleId :

YORK-TP1-03

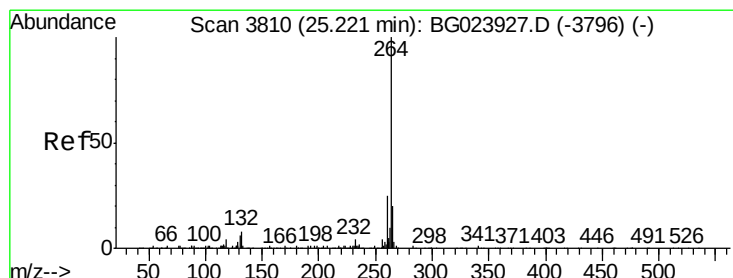
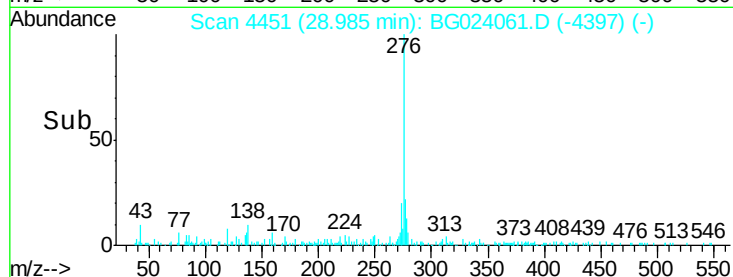
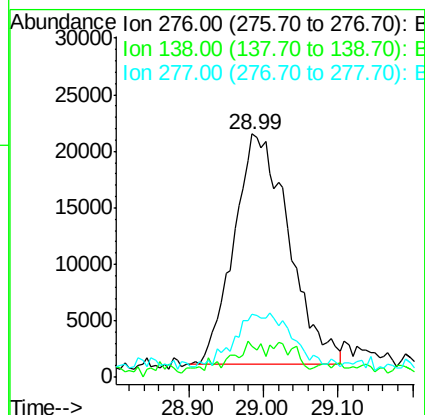
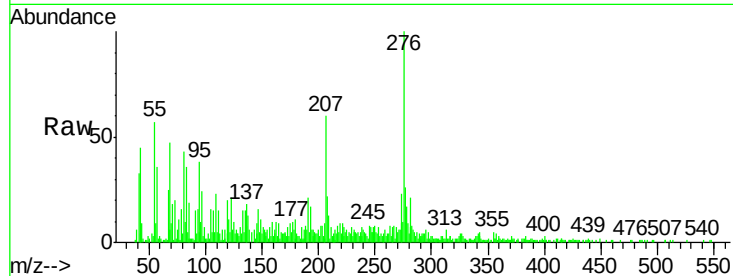
Tgt Ion:276 Resp: 104474

Ion Ratio Lower Upper

276 100

138 5.0 0.0 0.0#

277 13.0 0.0 0.0#



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.15 min Scan# 3798

Delta R.T. -0.01 min

Lab File: BG024061.D

Acq: 21 Sep 2016 18:58

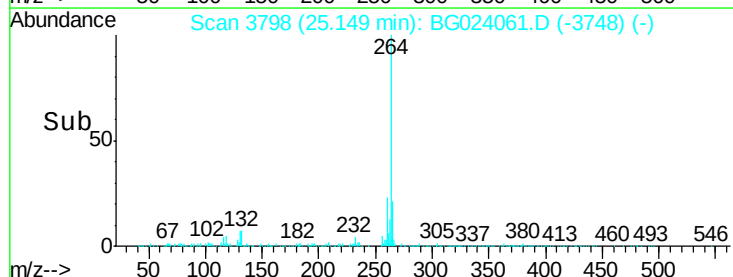
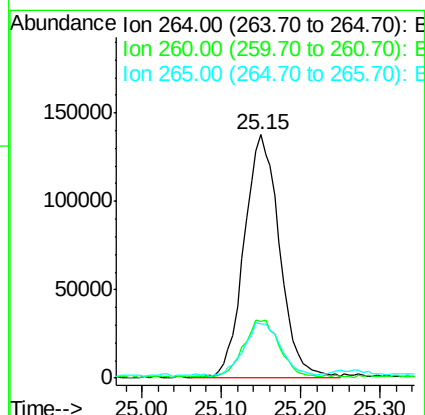
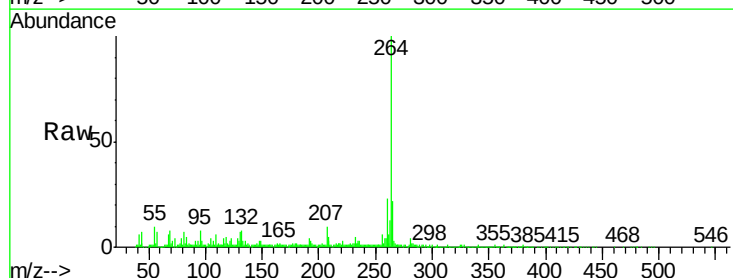
Tgt Ion:264 Resp: 422756

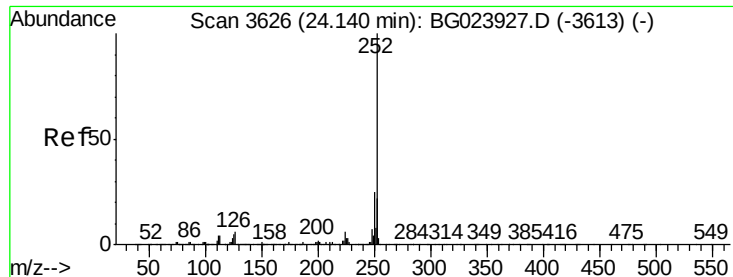
Ion Ratio Lower Upper

264 100

260 23.3 18.4 27.6

265 22.3 18.9 28.3





#87

Benzo(b)fluoranthene

Concen: 8.63 ng

RT: 24.09 min Scan# 3617

Delta R.T. 0.01 min

Lab File: BG024061.D

Acq: 21 Sep 2016 18:58

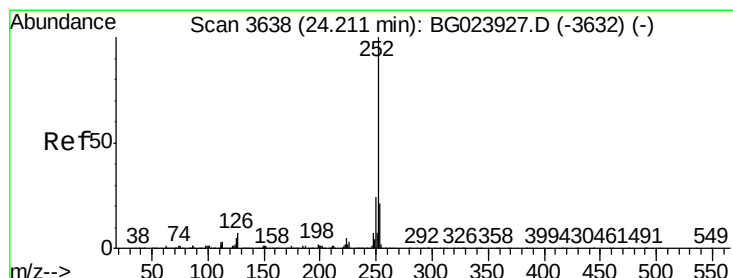
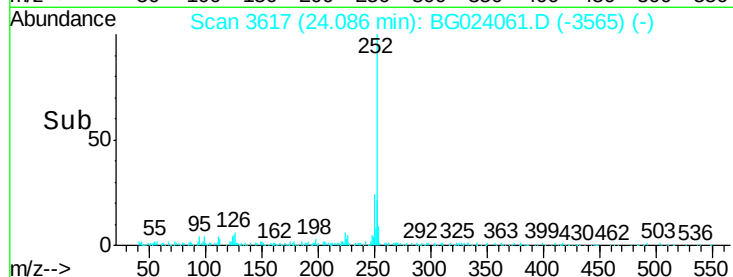
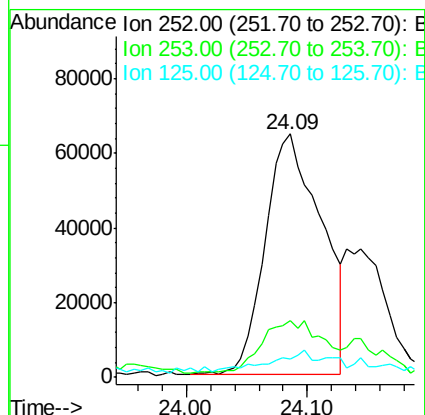
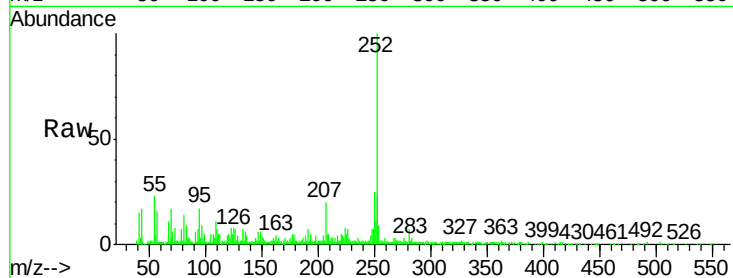
Instrument :

BNA_G

ClientSampleId :

YORK-TP1-03

Tgt Ion:	252	Resp:	207203
Ion Ratio	Lower	Upper	
252	100		
253	23.2	18.9	28.3
125	7.8	3.9	5.9#



#88

Benzo(k)fluoranthene

Concen: 8.70 ng

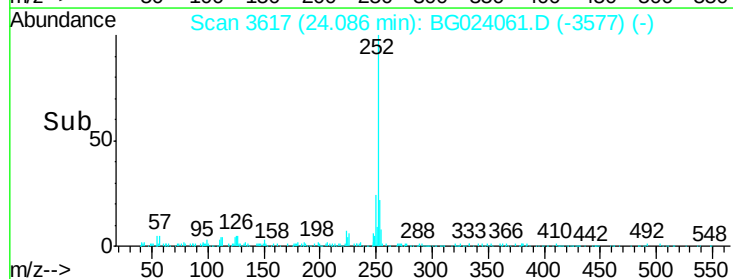
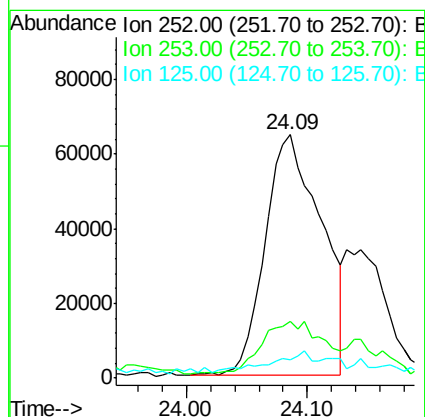
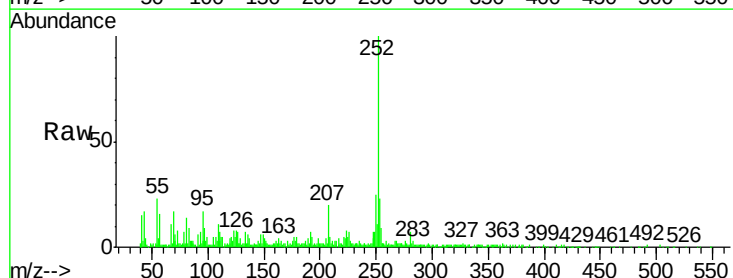
RT: 24.09 min Scan# 3617

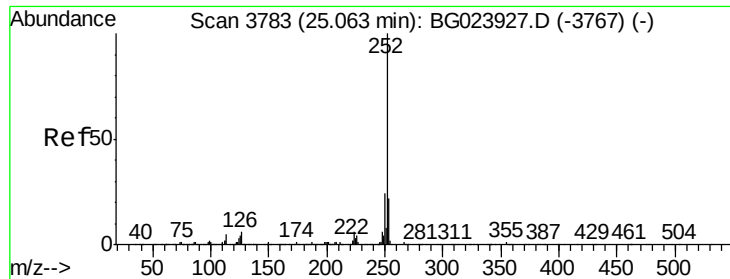
Delta R.T. -0.06 min

Lab File: BG024061.D

Acq: 21 Sep 2016 18:58

Tgt Ion:	252	Resp:	207203
Ion Ratio	Lower	Upper	
252	100		
253	23.2	18.8	28.2
125	7.8	3.2	4.8#





#89

Benzo(a)pyrene

Concen: 6.99 ng

RT: 24.99 min Scan# 3771

Delta R.T. 0.00 min

Lab File: BG024061.D

Acq: 21 Sep 2016 18:58

Instrument :

BNA_G

ClientSampleId :

YORK-TP1-03

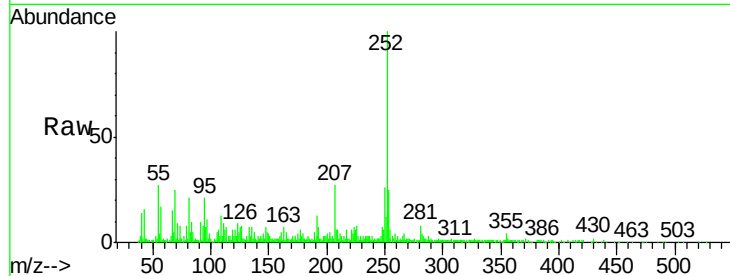
Tgt Ion:252 Resp: 159471

Ion Ratio Lower Upper

252 100

253 25.0 18.7 28.1

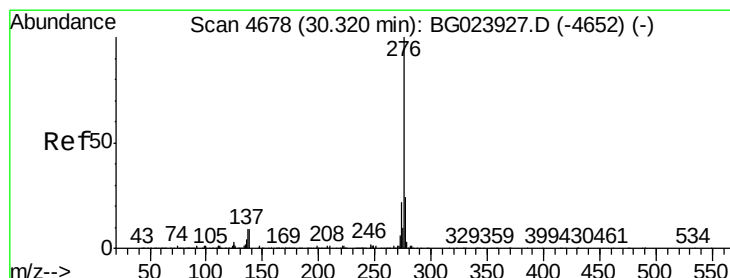
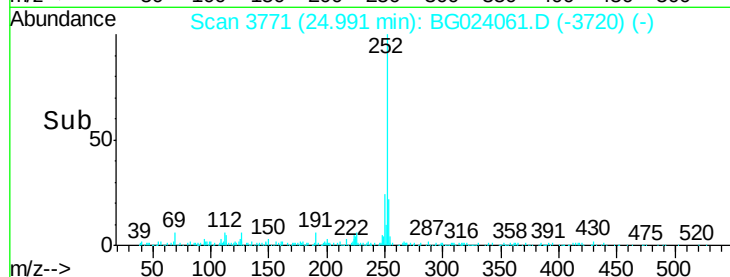
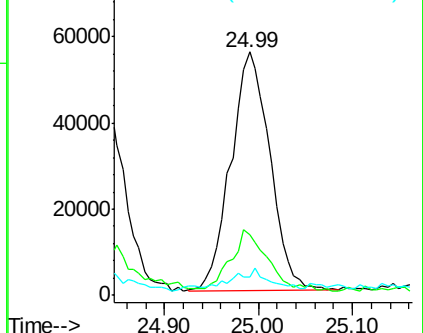
125 7.4 3.9 5.9#



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: 4.78 ng

RT: 30.21 min Scan# 4660

Delta R.T. 0.05 min

Lab File: BG024061.D

Acq: 21 Sep 2016 18:58

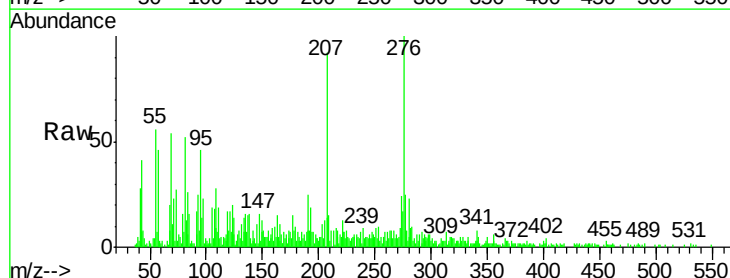
Tgt Ion:276 Resp: 103091

Ion Ratio Lower Upper

276 100

277 24.6 18.6 27.8

138 16.0 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

