

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092216\
 Data File : BG024073.D
 Acq On : 22 Sep 2016 17:47
 Operator : UM/SJ
 Sample : H4820-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 YORK-TP1-03

Manual Integrations
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Quant Time: Sep 23 01:43:17 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	8.04	152	70130	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	297691	20.00	ng	-0.01
38) Acenaphthene-d10	14.72	164	207696	20.00	ng	0.00
63) Phenanthrene-d10	17.49	188	373372	20.00	ng	0.00
75) Chrysene-d12	21.80	240	383713	20.00	ng	0.00
86) Perylene-d12	25.15	264	348924	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	440179	110.20	ng	-0.01
7) Phenol-d6	7.22	99	683707	111.19	ng	0.00
23) Nitrobenzene-d5	9.22	82	503778	75.55	ng	-0.01
41) 2,4,6-Tribromophenol	16.23	330	255163	68.19	ng	0.00
44) 2-Fluorobiphenyl	13.33	172	897541	61.96	ng	-0.01
78) Terphenyl-d14	20.10	244	1086046	64.46	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.17	163	224972	12.63	ng	98
70) Phenanthrene	17.54	178	94465	4.86	ng	98
74) Fluoranthene	19.55	202	187205	8.01	ng	94
77) Pyrene	19.91	202	202686	8.59	ng	92
80) Benzo(a)anthracene	21.78	228	134133	6.24	ng	91
82) Chrysene	21.85	228	129100	6.31	ng	96
85) Indeno(1,2,3-cd)pyrene	29.00	276	68192	3.01	ng	# 100
87) Benzo(b)fluoranthene	24.09	252	189413	9.56	ng	# 94
88) Benzo(k)fluoranthene	24.15	252	67998m	3.46	ng	
89) Benzo(a)pyrene	25.00	252	128922	6.85	ng	# 97
91) Benzo(g,h,i)perylene	30.22	276	67454m	3.79	ng	

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

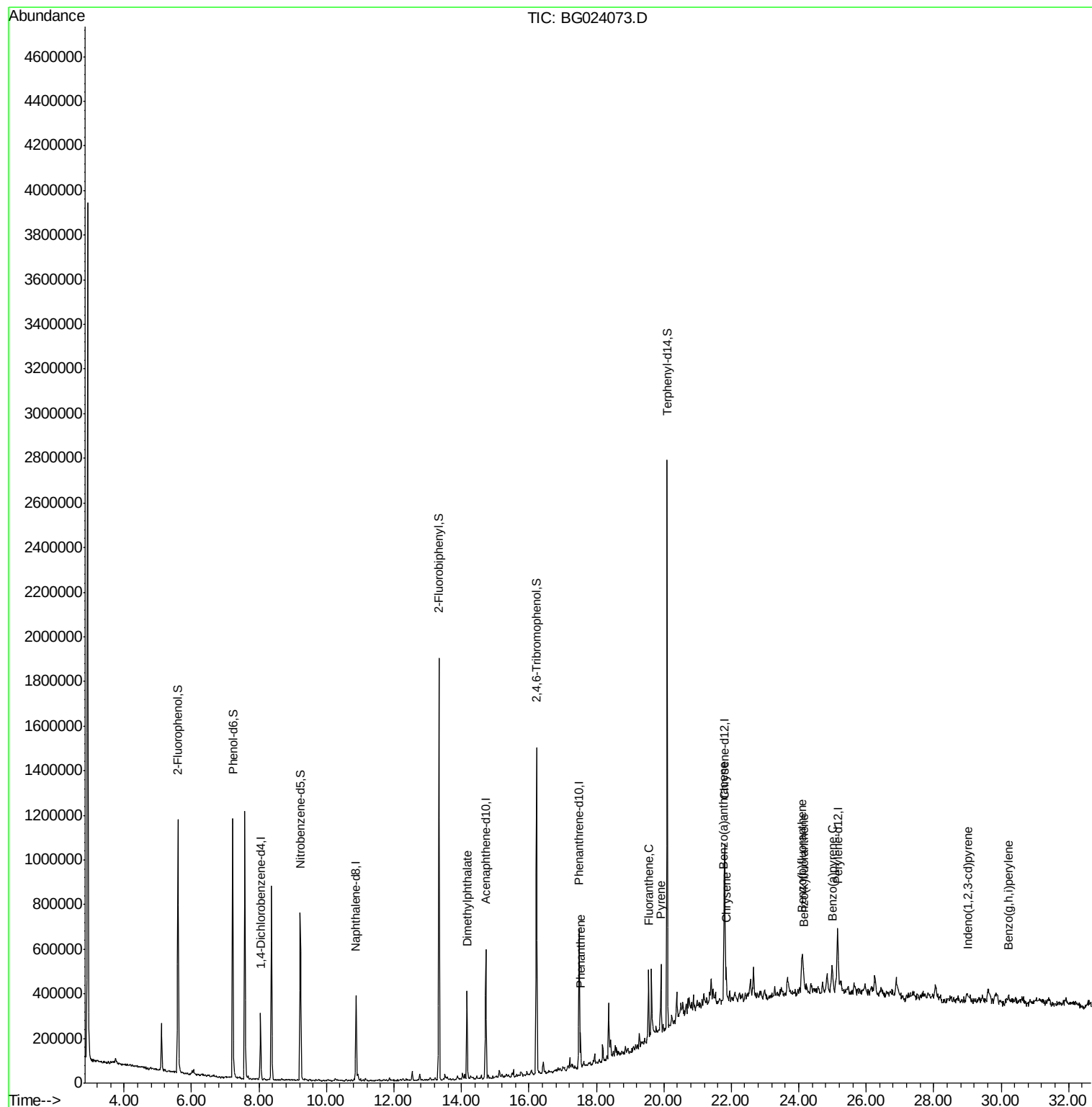
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092216\
Data File : BG024073.D
Acq On : 22 Sep 2016 17:47
Operator : UM/SJ
Sample : H4820-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

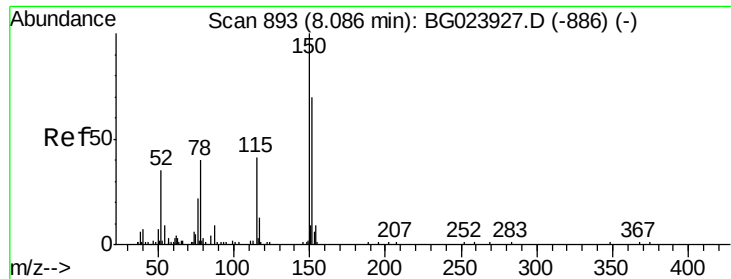
Instrument :
BNA_G
ClientSampled :
YORK-TP1-03

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#1

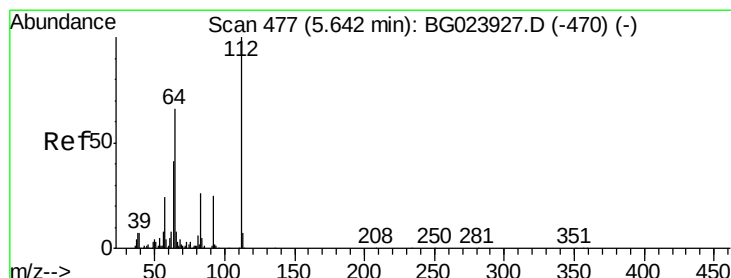
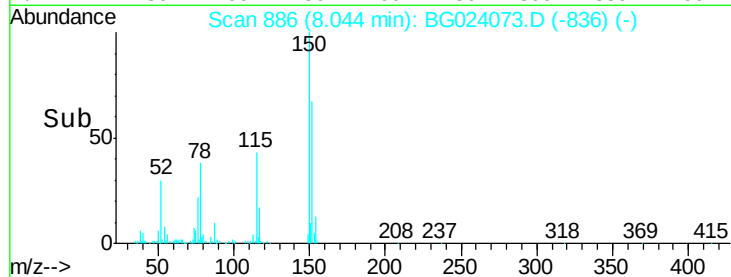
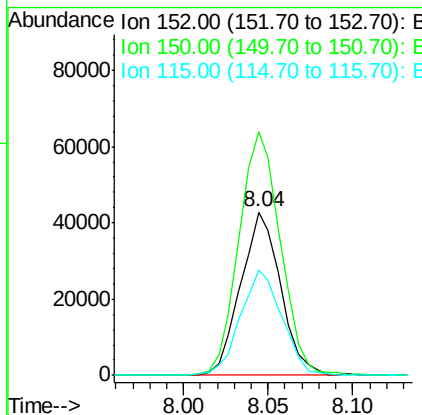
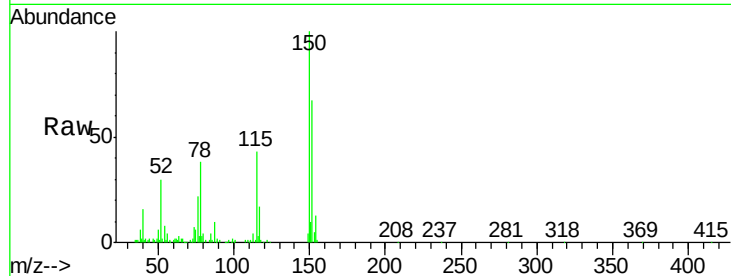
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.04 min Scan# 886
Delta R.T. -0.00 min
Lab File: BG024073.D
Acq: 22 Sep 2016 17:47

Instrument :
BNA_G
ClientSampleId :
YORK-TP1-03

Tgt Ion	Ratio	Lower	Upper
152	100		
150	149.1	144.7	217.1
115	64.5	64.0	96.0

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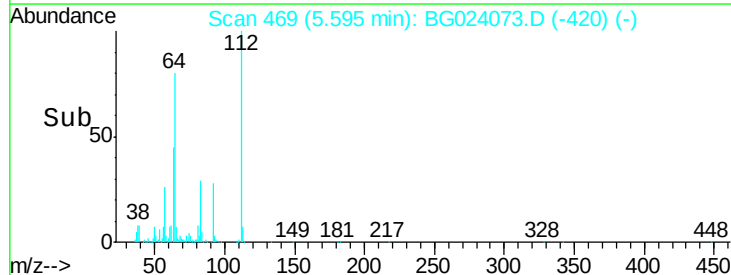
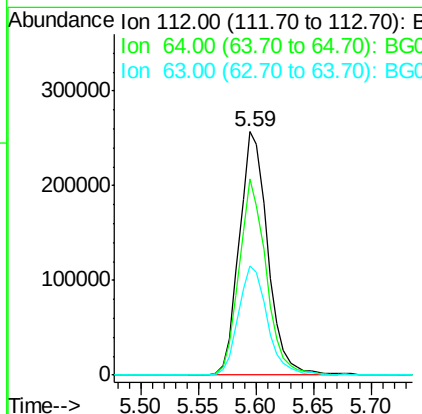
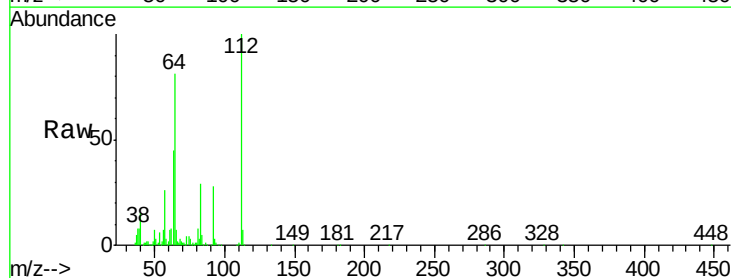
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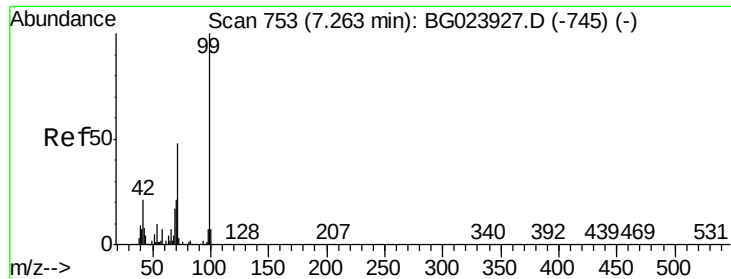


#5

2-Fluorophenol
Concen: 110.20 ng
RT: 5.59 min Scan# 469
Delta R.T. -0.01 min
Lab File: BG024073.D
Acq: 22 Sep 2016 17:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	80.6	59.0	88.4
63	44.6	37.8	56.8





#7

Phenol-d6

Concen: 111.19 ng

RT: 7.22 min Scan# 746

Delta R.T. 0.00 min

Lab File: BG024073.D

Acq: 22 Sep 2016 17:47

Instrument :

BNA_G

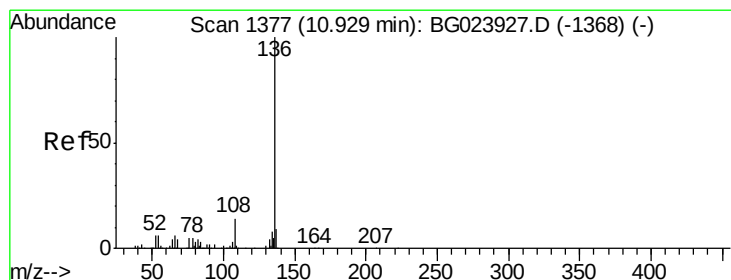
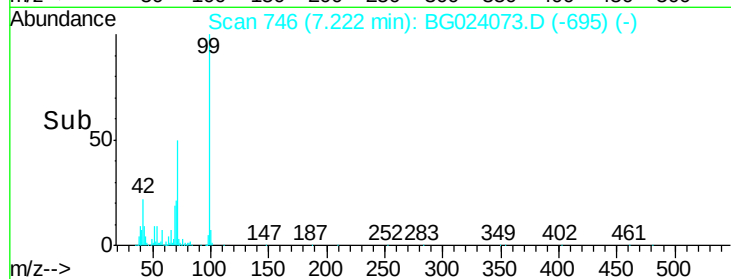
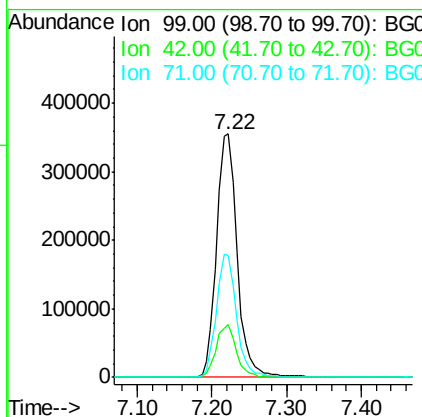
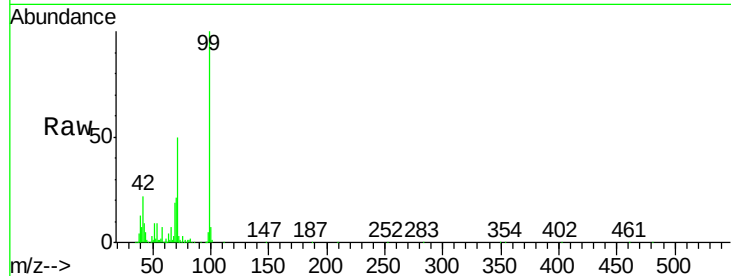
ClientSampleId :

YORK-TP1-03

Tgt Ion:	99	Resp:	683707
Ion Ratio	Lower	Upper	
99	100		
42	21.6	17.8	26.6
71	50.1	41.5	62.3

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#21

Naphthalene-d8

Concen: 20.00 ng

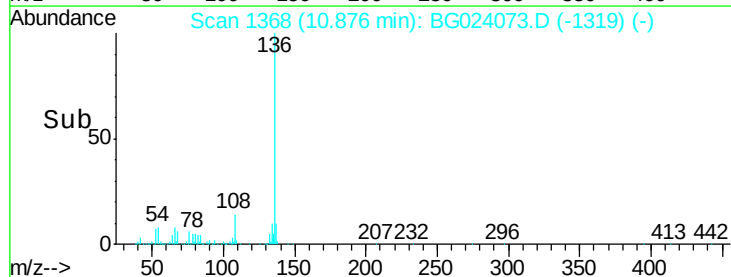
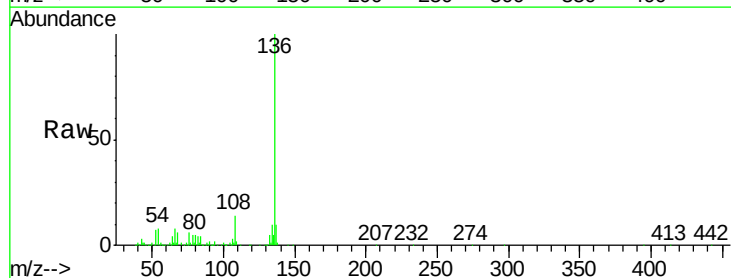
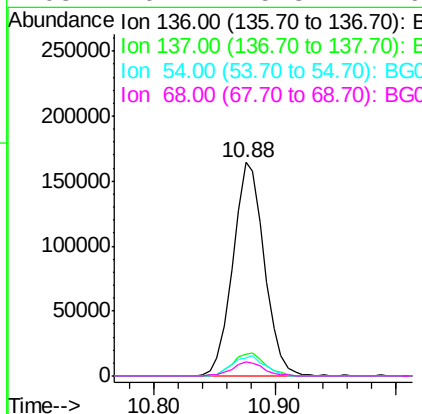
RT: 10.88 min Scan# 1368

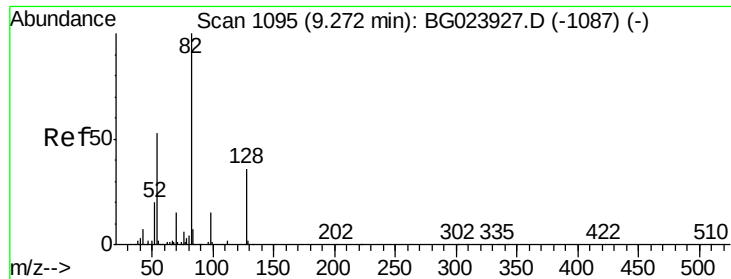
Delta R.T. -0.01 min

Lab File: BG024073.D

Acq: 22 Sep 2016 17:47

Tgt Ion:	136	Resp:	297691
Ion Ratio	Lower	Upper	
136	100		
137	10.1	9.6	14.4
54	8.2	7.3	10.9
68	6.4	5.3	7.9





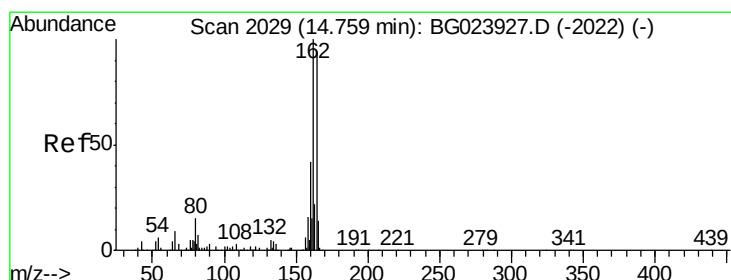
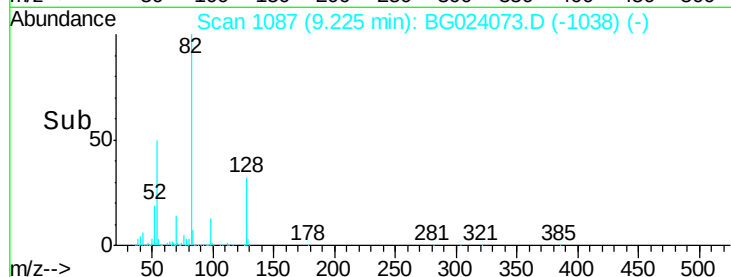
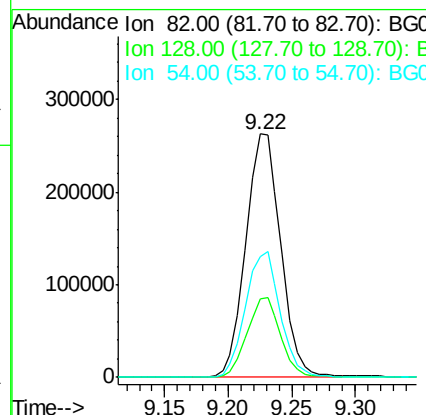
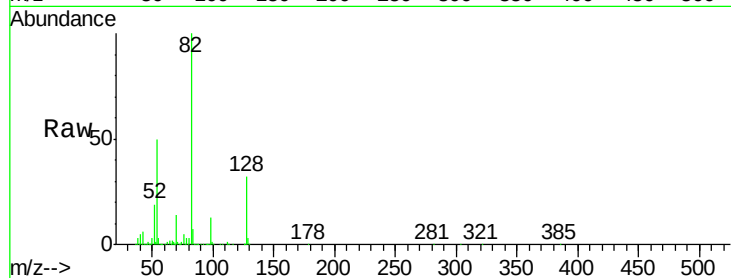
#23
 Nitrobenzene-d5
 Concen: 75.55 ng
 RT: 9.22 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: BG024073.D
 Acq: 22 Sep 2016 17:47

Instrument :
 BNA_G
 ClientSampleId :
 YORK-TP1-03

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	503778		
128	32.5	24.4	36.6	
54	49.8	41.4	62.0	

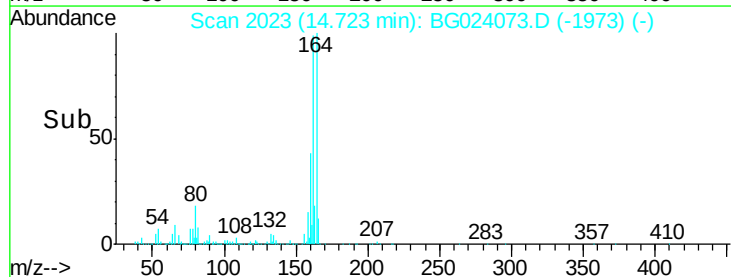
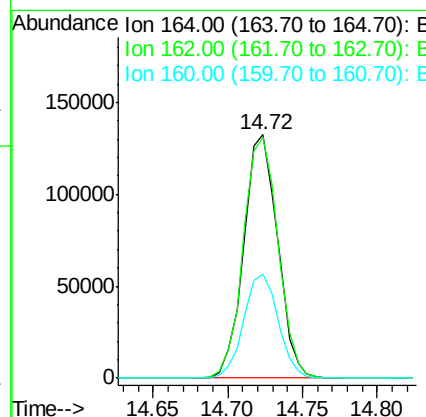
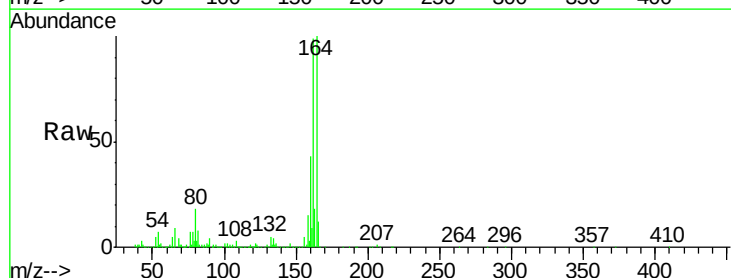
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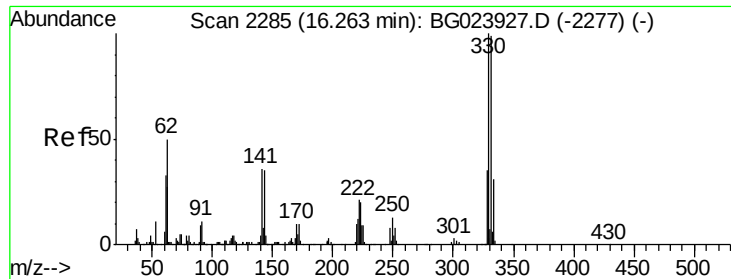
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.72 min Scan# 2023
 Delta R.T. -0.00 min
 Lab File: BG024073.D
 Acq: 22 Sep 2016 17:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	207696		
162	99.1	87.7	131.5	
160	42.9	37.2	55.8	





#41

2,4,6-Tribromophenol

Concen: 68.19 ng

RT: 16.23 min Scan# 2279

Delta R.T. -0.00 min

Lab File: BG024073.D

Acq: 22 Sep 2016 17:47

Instrument :

BNA_G

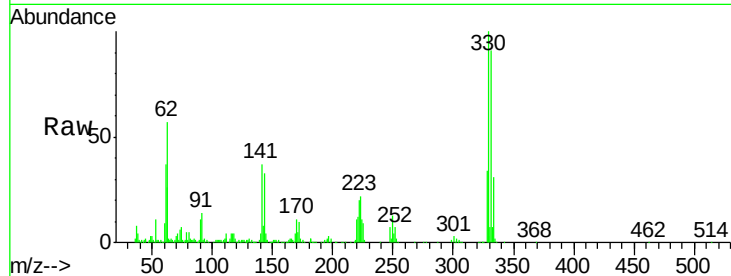
ClientSampleId :

YORK-TP1-03

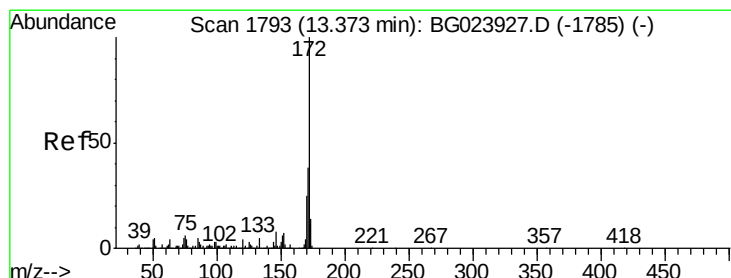
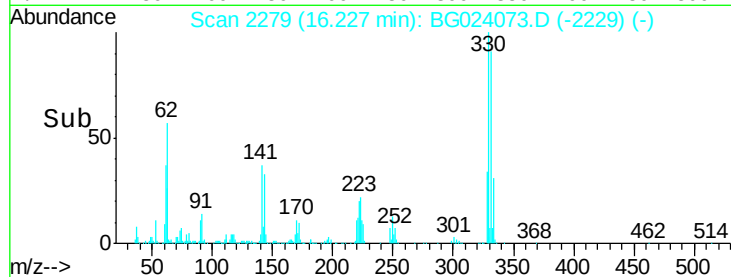
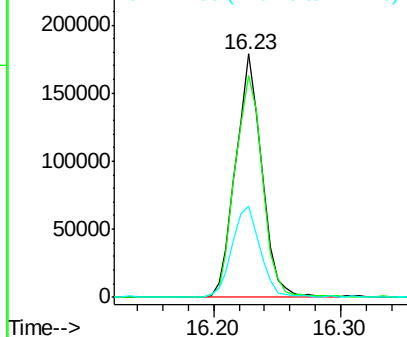
Tgt Ion:	330	Resp:	255163
Ion Ratio	Lower	Upper	
330	100		
332	96.0	77.4	116.2
141	40.1	31.7	47.5

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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: 61.96 ng

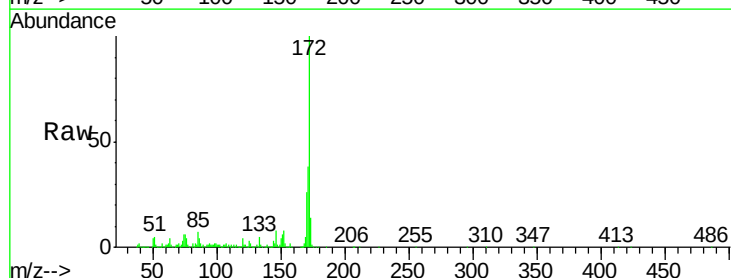
RT: 13.33 min Scan# 1786

Delta R.T. -0.01 min

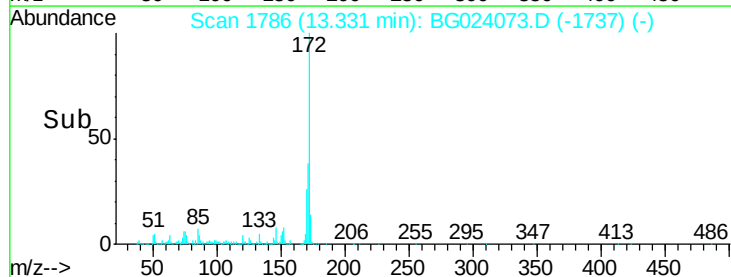
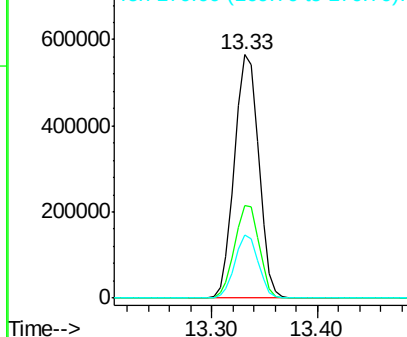
Lab File: BG024073.D

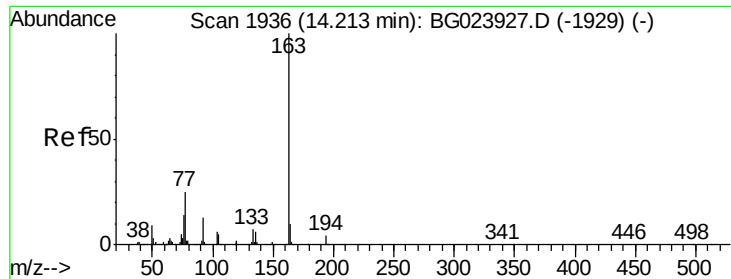
Acq: 22 Sep 2016 17:47

Tgt Ion:	172	Resp:	897541
Ion Ratio	Lower	Upper	
172	100		
171	38.0	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: 12.63 ng

RT: 14.17 min Scan# 1928

Delta R.T. -0.01 min

Lab File: BG024073.D

Acq: 22 Sep 2016 17:47

Instrument :

BNA_G

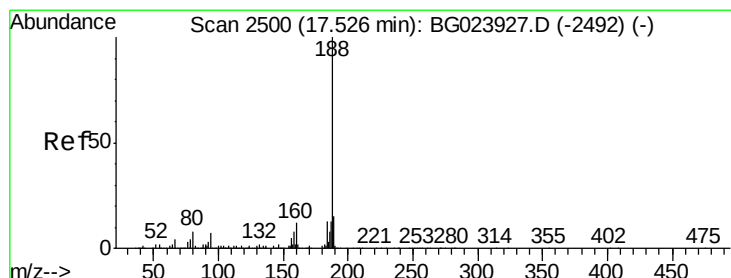
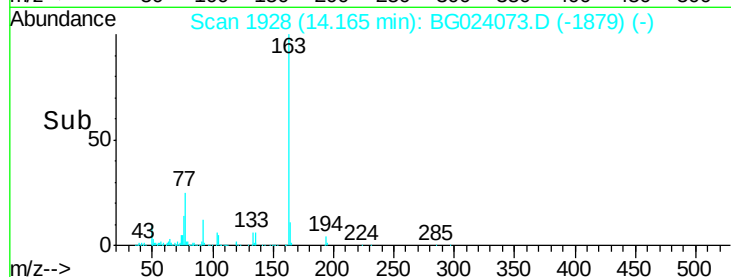
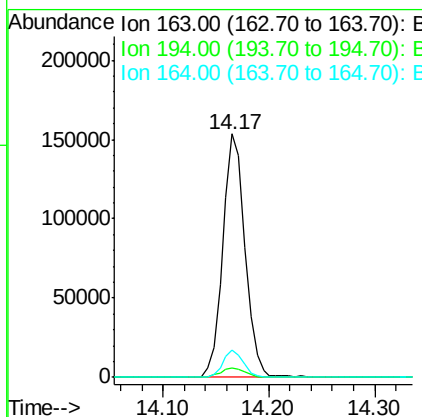
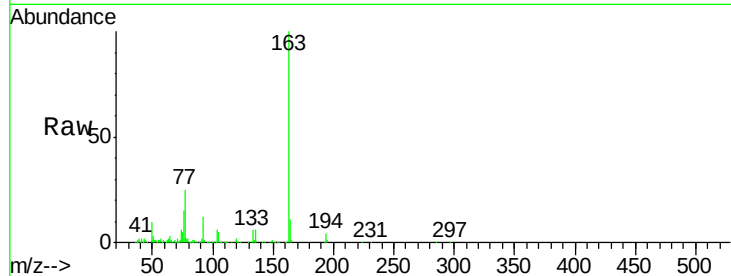
ClientSampleId :

YORK-TP1-03

Tgt Ion:	163	Resp:	224972
Ion Ratio		Lower	Upper
163	100		
194	4.1	3.6	5.4
164	11.0	8.1	12.1

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#63

Phenanthrene-d10

Concen: 20.00 ng

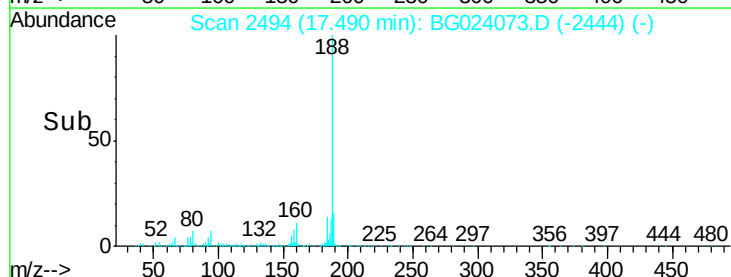
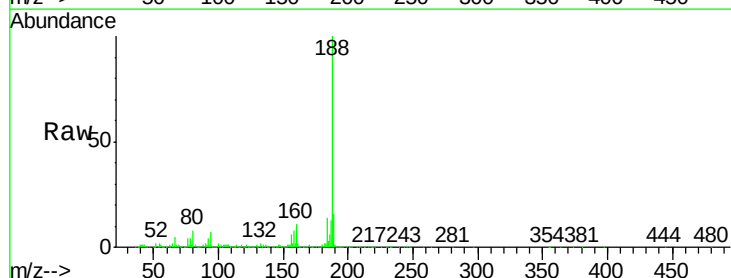
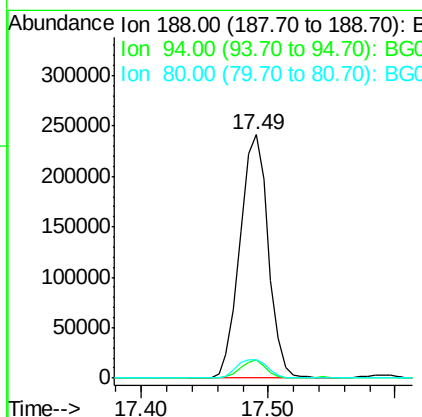
RT: 17.49 min Scan# 2494

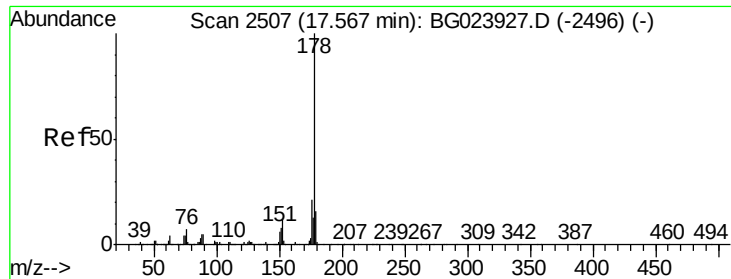
Delta R.T. -0.00 min

Lab File: BG024073.D

Acq: 22 Sep 2016 17:47

Tgt Ion:	188	Resp:	373372
Ion Ratio		Lower	Upper
188	100		
94	7.4	5.2	7.8
80	7.6	7.2	10.8





#70

Phenanthrene

Concen: 4.86 ng

RT: 17.54 min Scan# 2502

Delta R.T. 0.00 min

Lab File: BG024073.D

Acq: 22 Sep 2016 17:47

Instrument :

BNA_G

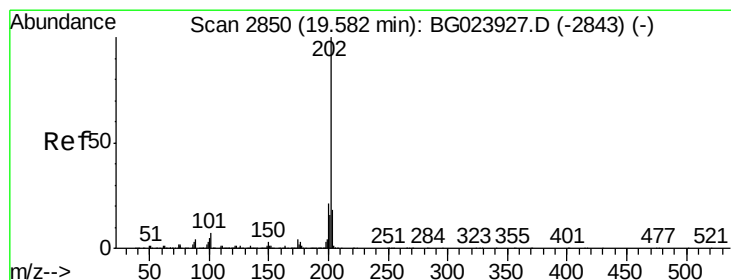
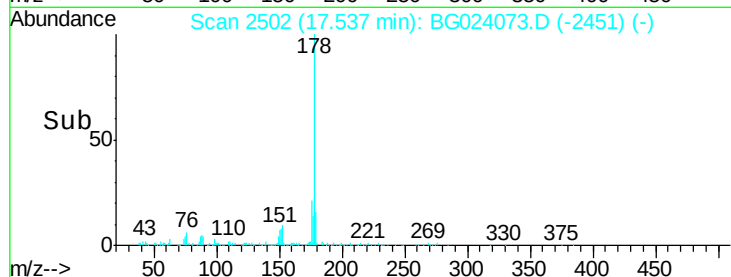
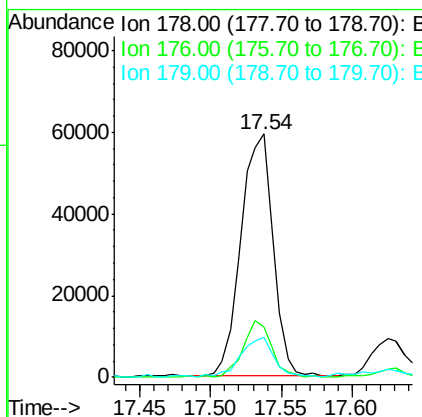
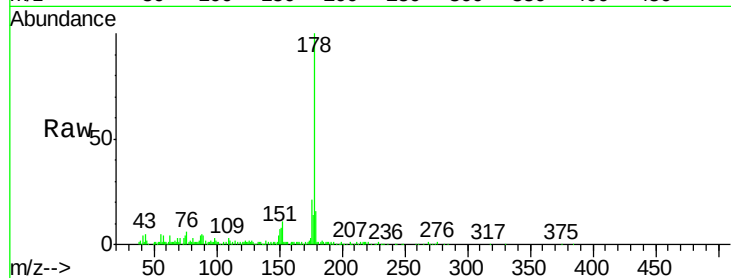
ClientSampleId :

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Tgt Ion:	178	Resp:	94465
Ion Ratio	Lower	Upper	
178	100		
176	20.9	16.8	25.2
179	16.4	14.3	21.5

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#74

Fluoranthene

Concen: 8.01 ng

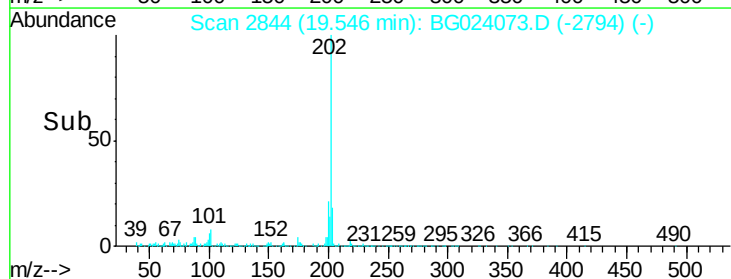
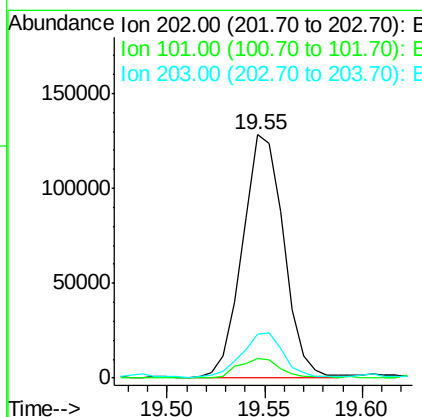
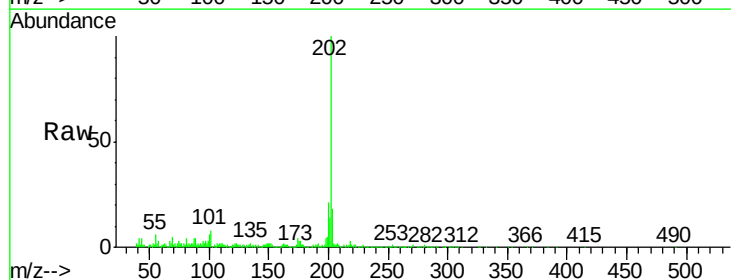
RT: 19.55 min Scan# 2844

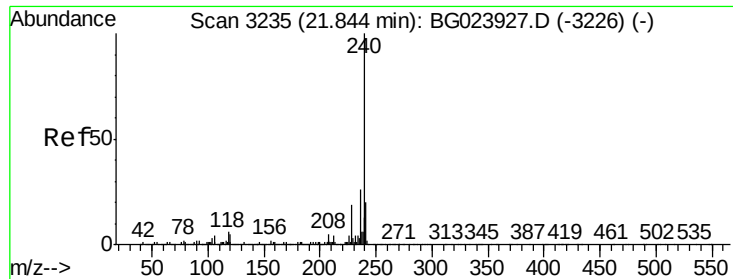
Delta R.T. -0.00 min

Lab File: BG024073.D

Acq: 22 Sep 2016 17:47

Tgt Ion:	202	Resp:	187205
Ion Ratio	Lower	Upper	
202	100		
101	7.8	0.0	27.4
203	18.0	1.7	41.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.80 min Scan# 3228

Delta R.T. -0.00 min

Lab File: BG024073.D

Acq: 22 Sep 2016 17:47

Instrument :

BNA_G

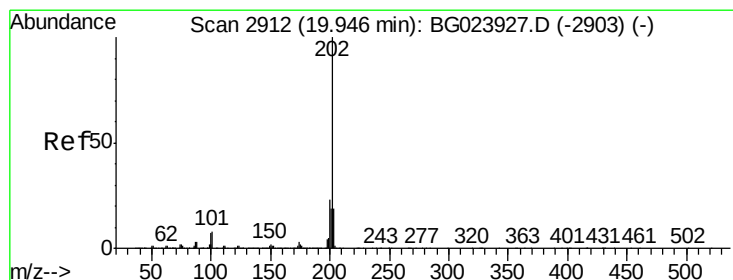
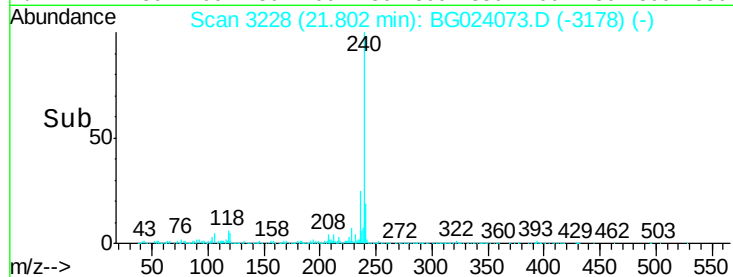
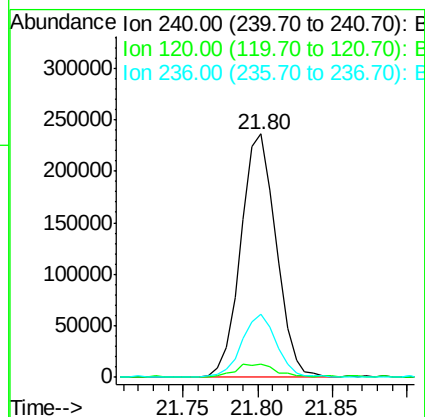
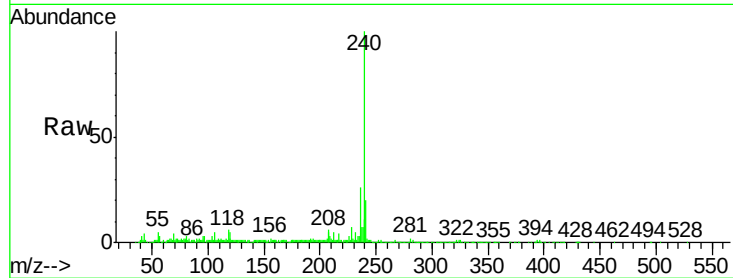
ClientSampleId :

YORK-TP1-03

Tgt Ion:	240	Resp:	383713
Ion Ratio	Lower	Upper	
240	100		
120	5.3	4.1	6.1
236	25.7	21.1	31.7

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#77

Pyrene

Concen: 8.59 ng

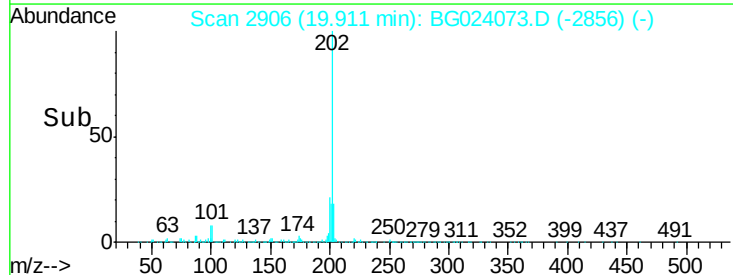
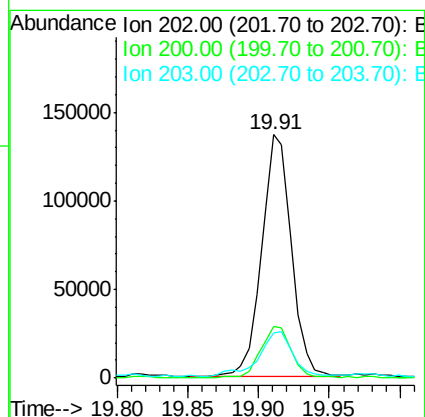
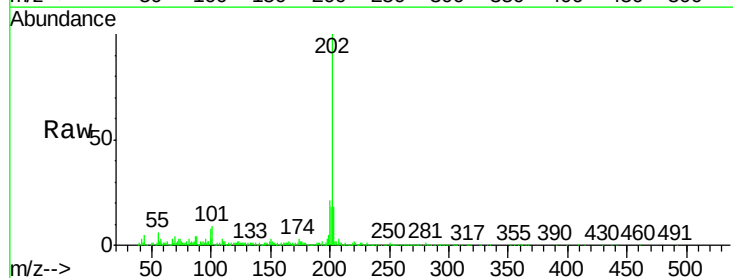
RT: 19.91 min Scan# 2906

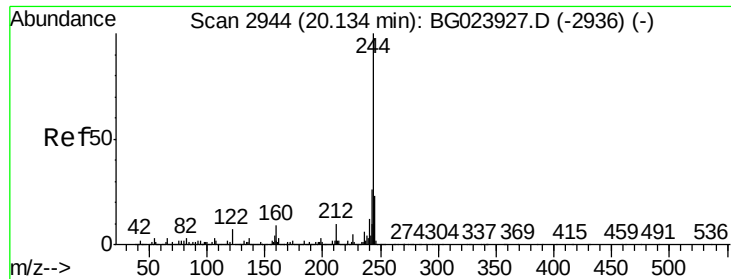
Delta R.T. -0.00 min

Lab File: BG024073.D

Acq: 22 Sep 2016 17:47

Tgt Ion:	202	Resp:	202686
Ion Ratio	Lower	Upper	
202	100		
200	21.4	21.2	31.8
203	18.5	16.8	25.2





#78

Terphenyl-d14

Concen: 64.46 ng

RT: 20.10 min Scan# 2938

Delta R.T. -0.00 min

Lab File: BG024073.D

Acq: 22 Sep 2016 17:47

Instrument :

BNA_G

ClientSampleId :

YORK-TP1-03

Tgt Ion:244 Resp: 1086046

Ion Ratio Lower Upper

244 100

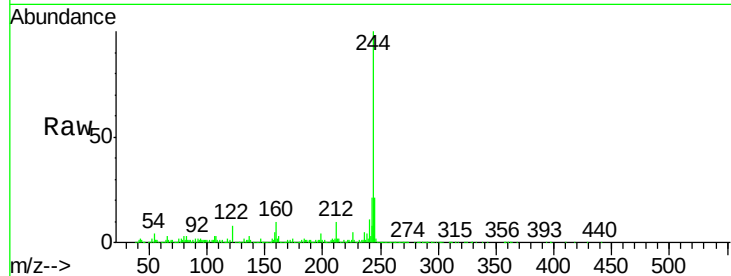
212 10.1 10.8 16.2#

122 7.6 8.0 12.0#

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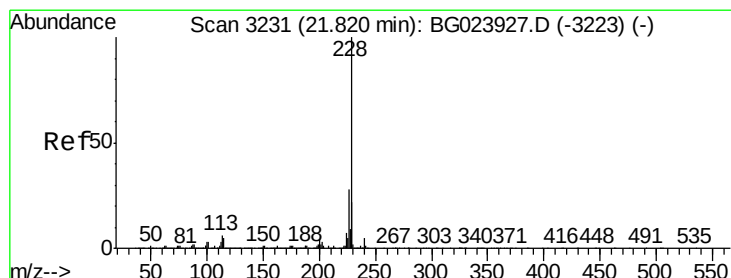
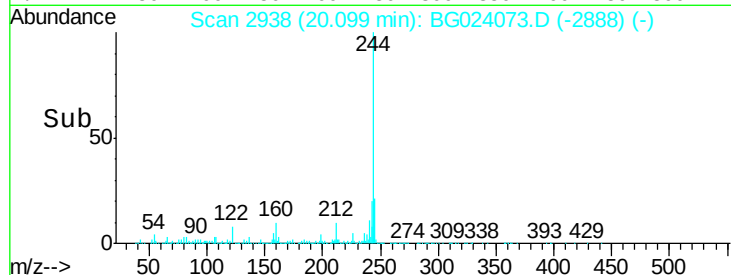
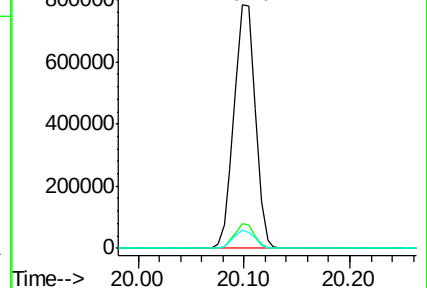
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 6.24 ng

RT: 21.78 min Scan# 3224

Delta R.T. -0.00 min

Lab File: BG024073.D

Acq: 22 Sep 2016 17:47

Tgt Ion:228 Resp: 134133

Ion Ratio Lower Upper

228 100

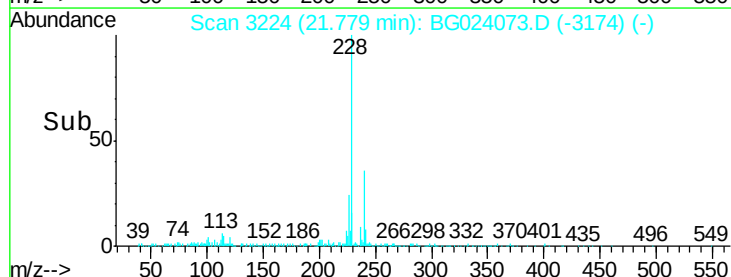
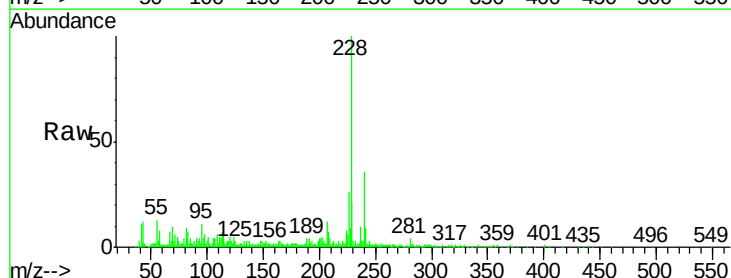
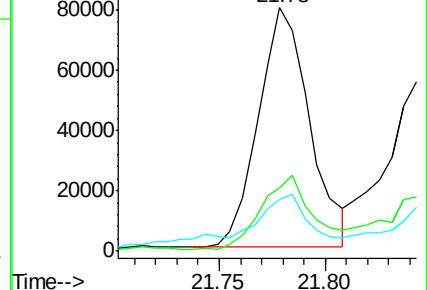
226 25.8 25.3 37.9

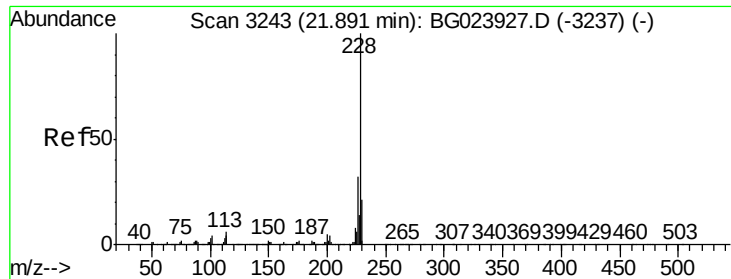
229 21.4 19.9 29.9

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: 6.31 ng

RT: 21.85 min Scan# 3236

Delta R.T. -0.00 min

Lab File: BG024073.D

Acq: 22 Sep 2016 17:47

Instrument :

BNA_G

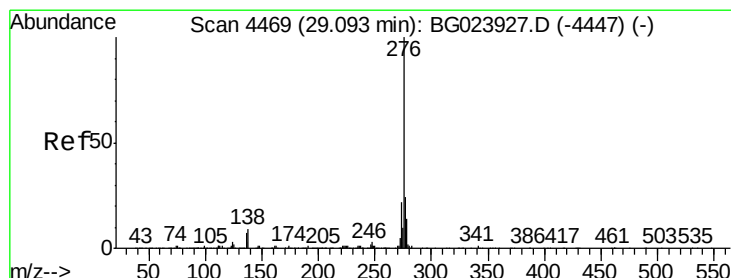
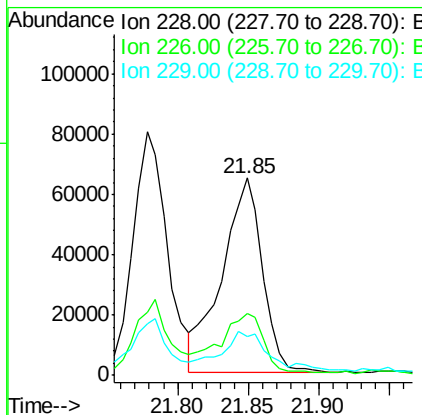
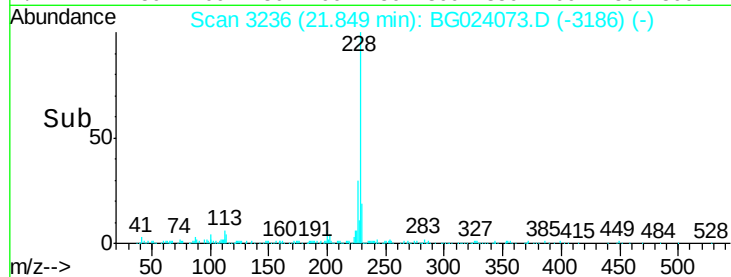
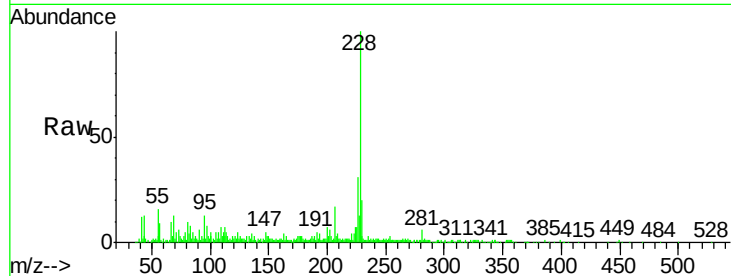
ClientSampled :

YORK-TP1-03

Tgt Ion:	228	Resp:	129100
Ion Ratio	Lower	Upper	
228	100		
226	31.3	26.7	40.1
229	20.0	17.4	26.2

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#85

Indeno(1,2,3-cd)pyrene

Concen: 3.01 ng

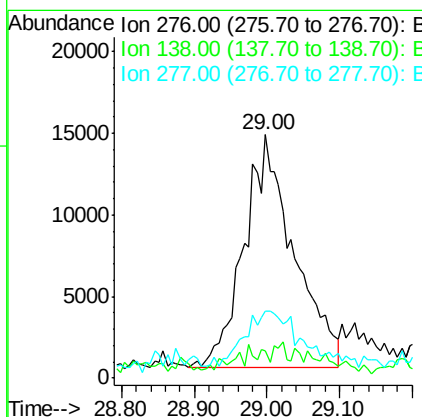
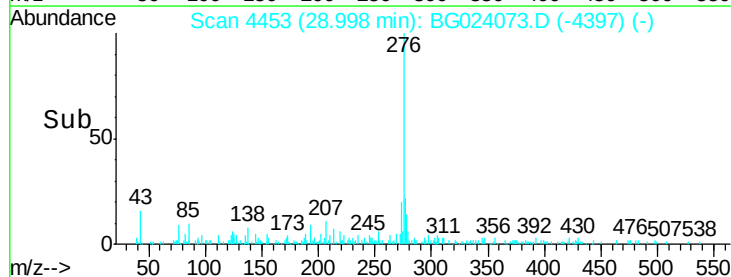
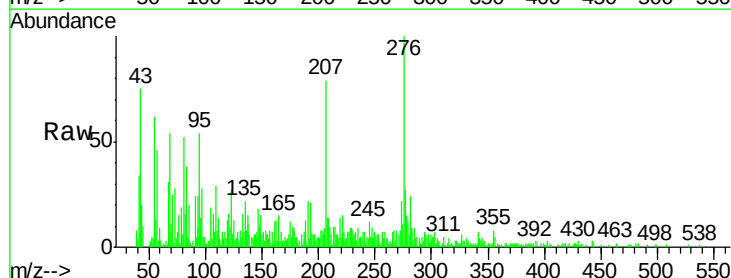
RT: 29.00 min Scan# 4453

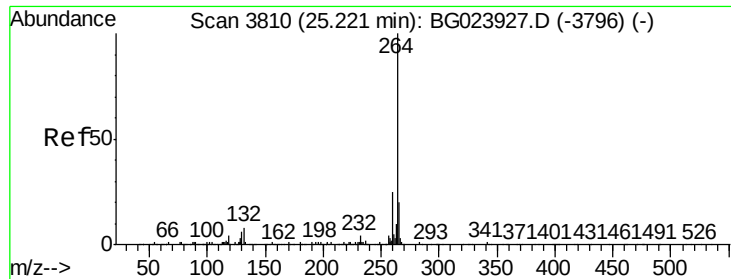
Delta R.T. 0.03 min

Lab File: BG024073.D

Acq: 22 Sep 2016 17:47

Tgt Ion:	276	Resp:	68192
Ion Ratio	Lower	Upper	
276	100		
138	1.0	0.0	0.0#
277	24.4	0.0	0.0#





#86

Perylene-d12

Concen: 20.00 ng

RT: 25.15 min Scan# 3798

Delta R.T. -0.00 min

Lab File: BG024073.D

Acq: 22 Sep 2016 17:47

Instrument :

BNA_G

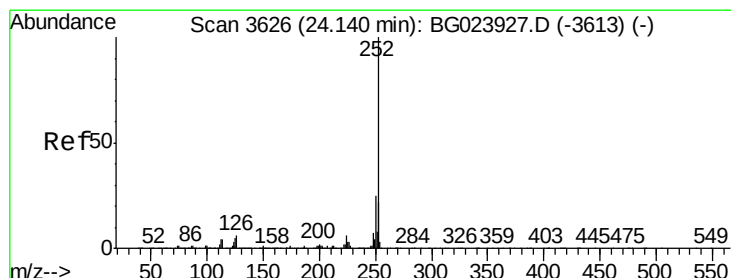
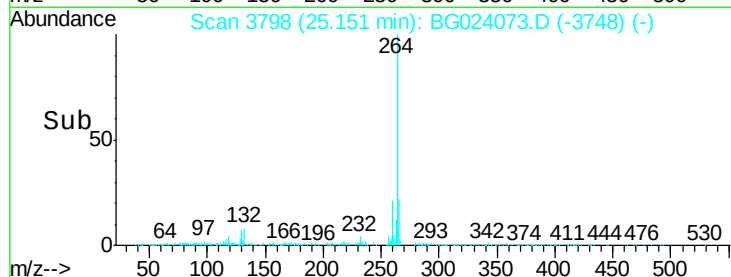
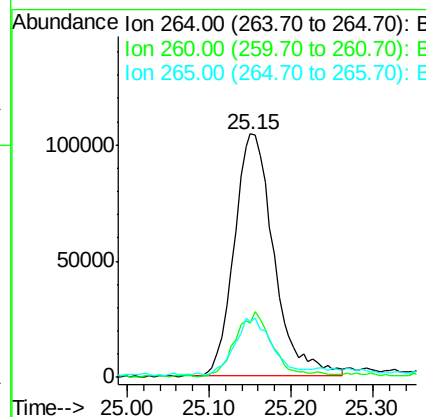
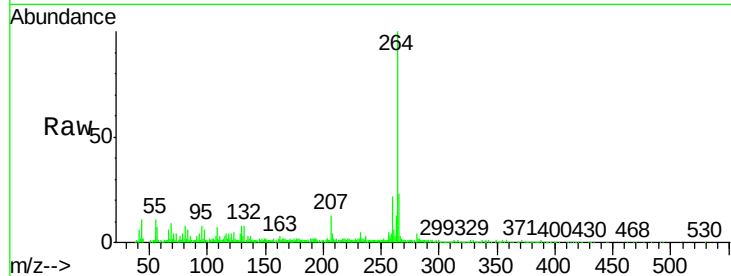
ClientSampleId :

YORK-TP1-03

Tgt	Ion	264	Resp:	348924
	Ratio	100	Lower	Upper
	264	100		
	260	22.2	18.4	27.6
	265	22.5	18.9	28.3

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#87

Benzo(b)fluoranthene

Concen: 9.56 ng

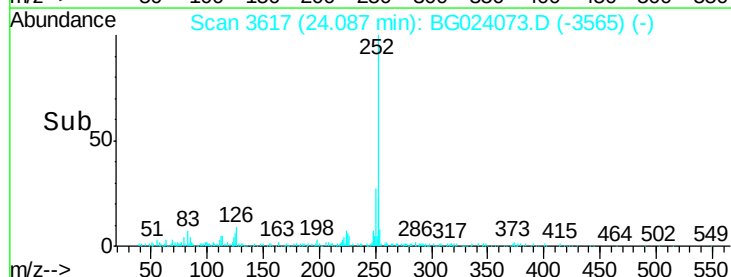
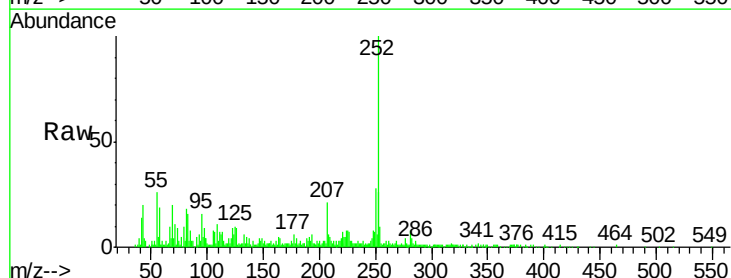
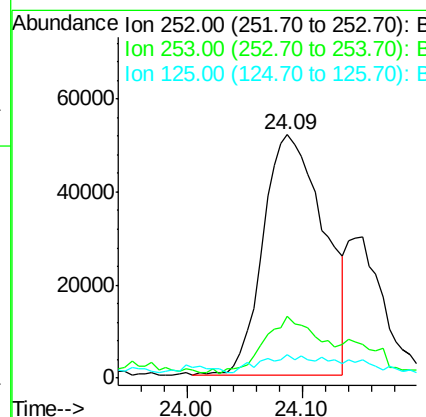
RT: 24.09 min Scan# 3617

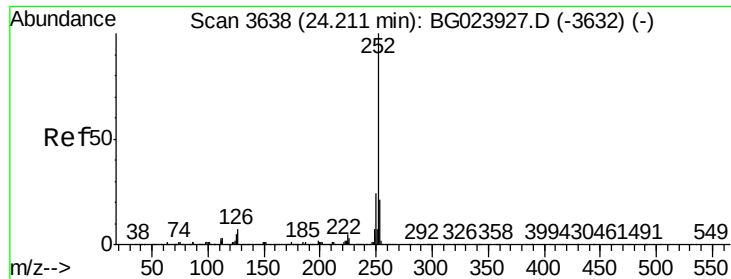
Delta R.T. 0.01 min

Lab File: BG024073.D

Acq: 22 Sep 2016 17:47

Tgt	Ion	252	Resp:	189413
	Ratio	100	Lower	Upper
	252	100		
	253	25.7	18.9	28.3
	125	9.8	3.9	5.9#





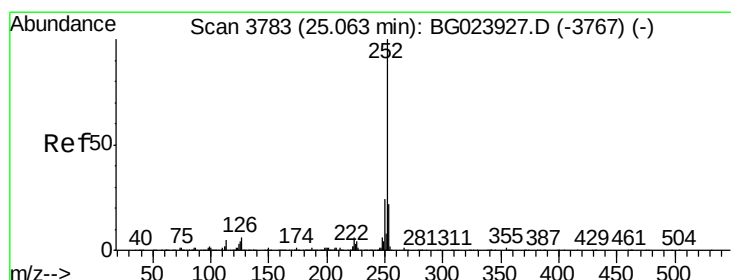
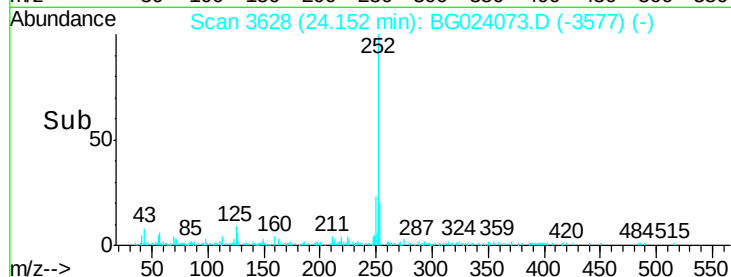
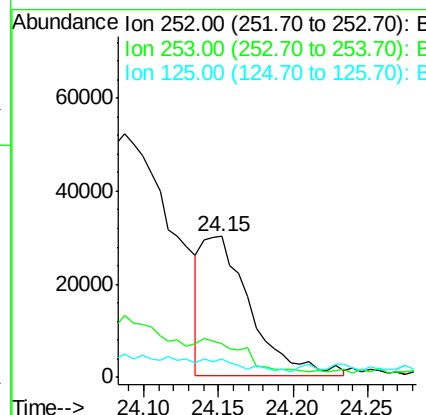
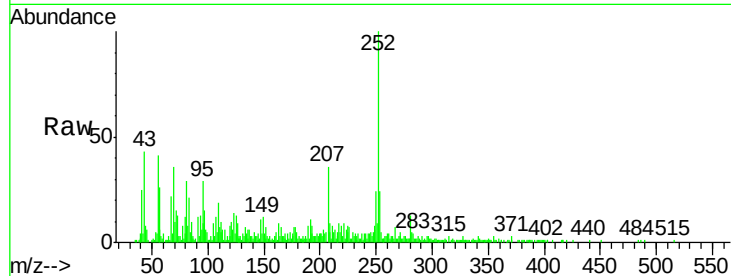
#88
Benzo(k)fluoranthene
Concen: 3.46 ng m
RT: 24.15 min Scan# 3628
Delta R.T. 0.00 min
Lab File: BG024073.D
Acq: 22 Sep 2016 17:47

Instrument :
BNA_G
ClientSampleId :
YORK-TP1-03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.8	28.2
125	12.9	3.2	4.8

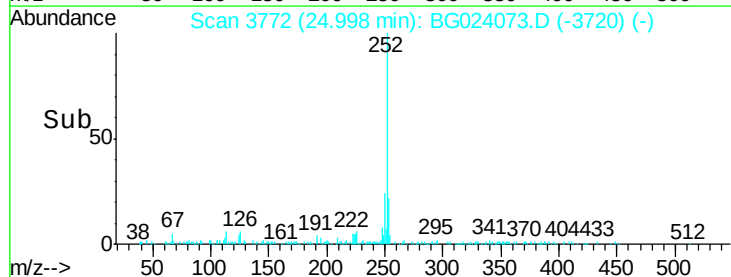
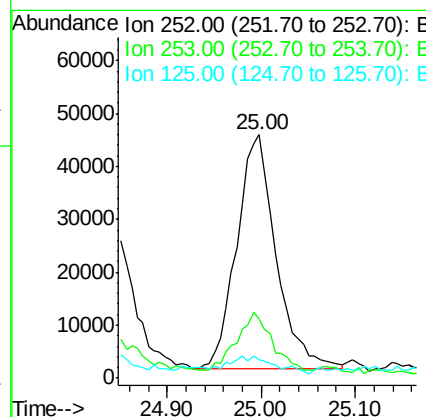
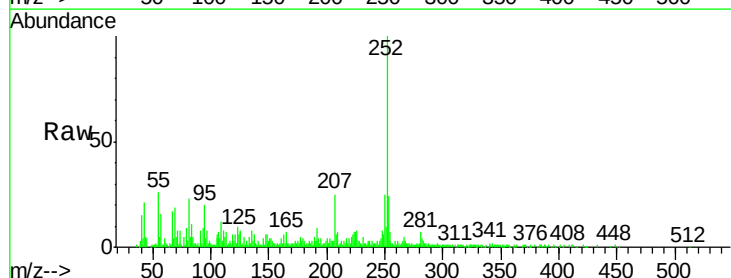
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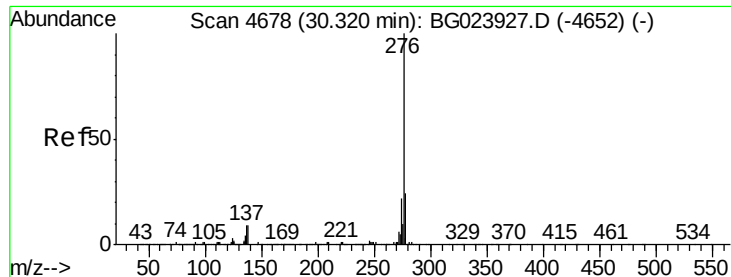
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#89
Benzo(a)pyrene
Concen: 6.85 ng
RT: 25.00 min Scan# 3772
Delta R.T. 0.01 min
Lab File: BG024073.D
Acq: 22 Sep 2016 17:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.7	28.1
125	7.8	3.9	5.9





#91
 Benzo(g,h,i)perylene
 Concen: 3.79 ng m
 RT: 30.22 min Scan# 4661
 Delta R.T. 0.05 min
 Lab File: BG024073.D
 Acq: 22 Sep 2016 17:47

Instrument :
 BNA_G
 ClientSampleId :
 YORK-TP1-03

Tgt Ion	Ratio	Lower	Upper
276	100		
277	21.1	18.6	27.8
138	14.5	6.8	10.2

Manual Integrations
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