

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092216\
 Data File : BG024074.D
 Acq On : 22 Sep 2016 18:27
 Operator : UM/SJ
 Sample : H4819-06DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Sep 23 01:26:34 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

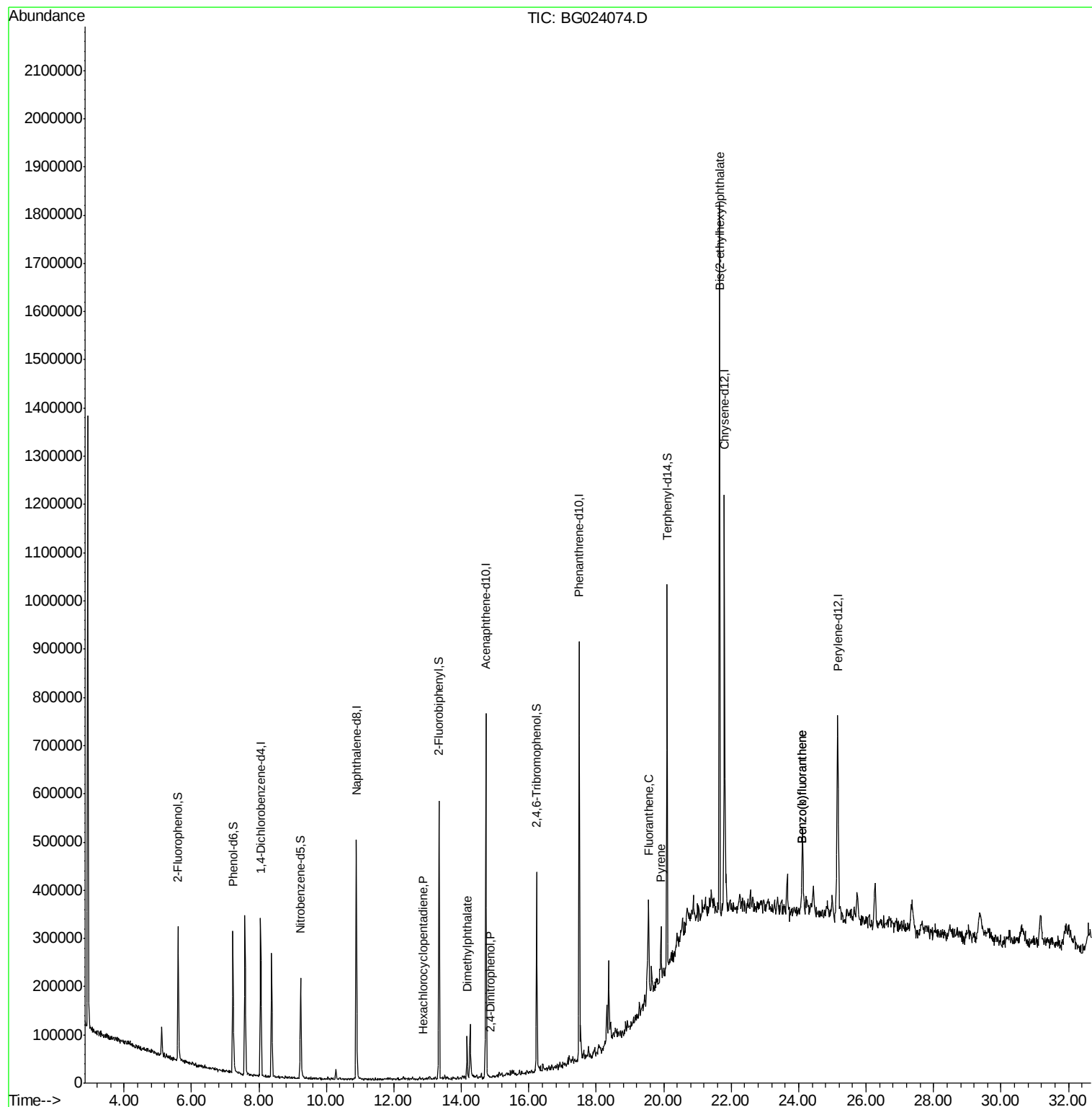
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	82382	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	384045	20.00	ng	0.00
38) Acenaphthene-d10	14.73	164	244575	20.00	ng	0.00
63) Phenanthrene-d10	17.49	188	509182	20.00	ng	0.00
75) Chrysene-d12	21.80	240	494917	20.00	ng	0.00
86) Perylene-d12	25.15	264	507883	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	114629	24.43	ng	0.00
7) Phenol-d6	7.23	99	180783	25.03	ng	0.00
23) Nitrobenzene-d5	9.24	82	140282	16.31	ng	0.00
41) 2,4,6-Tribromophenol	16.24	330	74587	16.93	ng	0.00
44) 2-Fluorobiphenyl	13.34	172	281510	16.50	ng	0.00
78) Terphenyl-d14	20.10	244	336139	15.47	ng	0.00
Target Compounds						
40) Hexachlorocyclopentadiene	12.87	237	54	7.09	ng	# 26
49) Dimethylphthalate	14.17	163	51083	2.44	ng	97
53) 2,4-Dinitrophenol	14.85	184	74	6.53	ng	# 1
74) Fluoranthene	19.55	202	78825	2.47	ng	99
77) Pyrene	19.91	202	68950	2.27	ng	91
83) Bis(2-ethylhexyl)phthalate	21.65	149	558115	34.74	ng	95
87) Benzo(b)fluoranthene	24.08	252	60446	2.10	ng	# 96
88) Benzo(k)fluoranthene	24.08	252	60446	2.11	ng	# 96

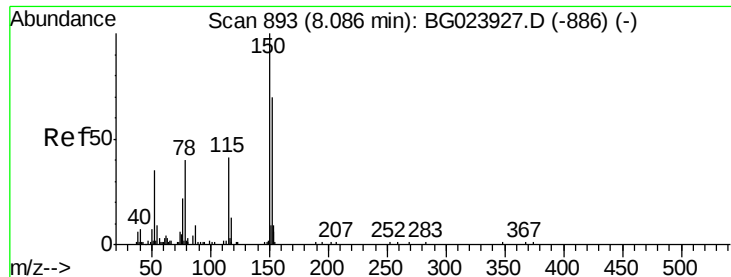
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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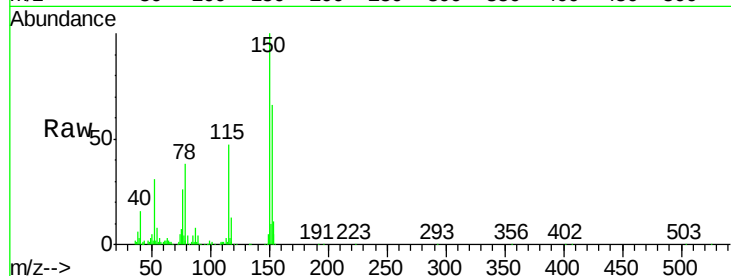


#1

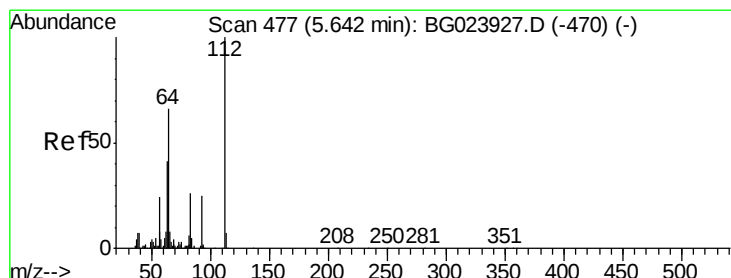
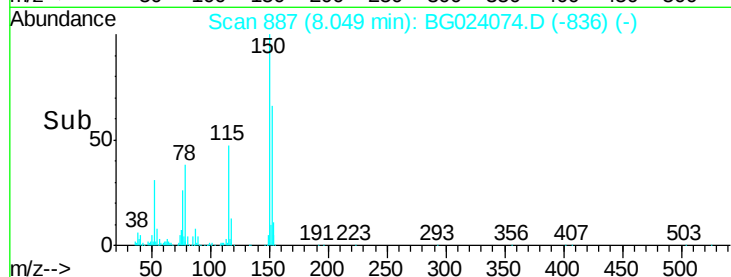
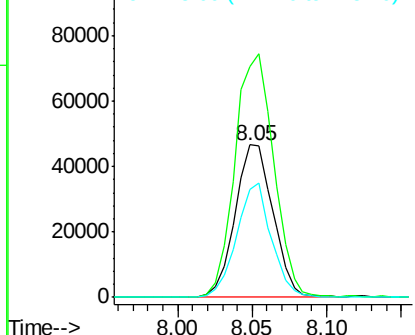
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.05 min Scan# 887
Delta R.T. 0.00 min
Lab File: BG024074.D
Acq: 22 Sep 2016 18:27

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

Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.5	144.7	217.1
115	71.0	64.0	96.0



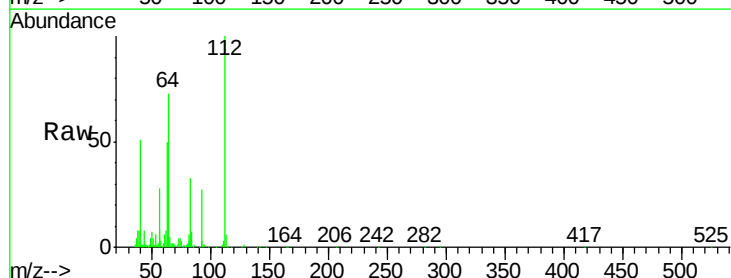
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



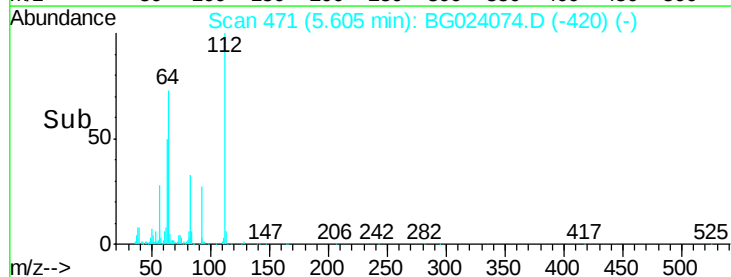
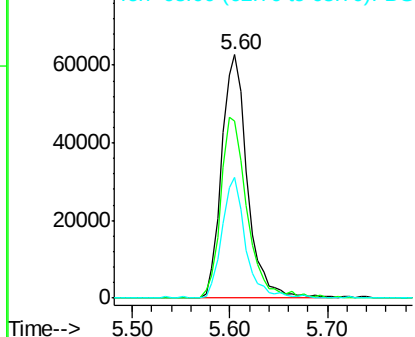
#5

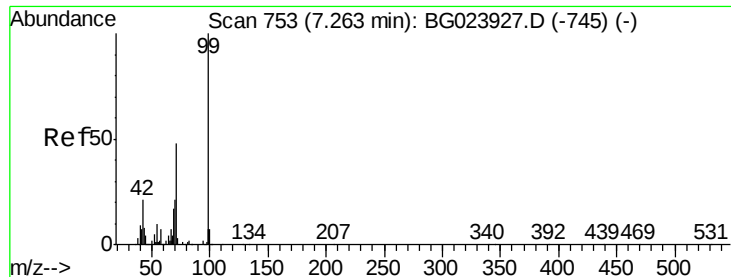
2-Fluorophenol
Concen: 24.43 ng
RT: 5.60 min Scan# 471
Delta R.T. 0.00 min
Lab File: BG024074.D
Acq: 22 Sep 2016 18:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.8	59.0	88.4
63	49.5	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: 25.03 ng

RT: 7.23 min Scan# 747

Delta R.T. 0.01 min

Lab File: BG024074.D

Acq: 22 Sep 2016 18:27

Instrument :

BNA_G

ClientSampleId :

YORK-SB2-07-DUPDL

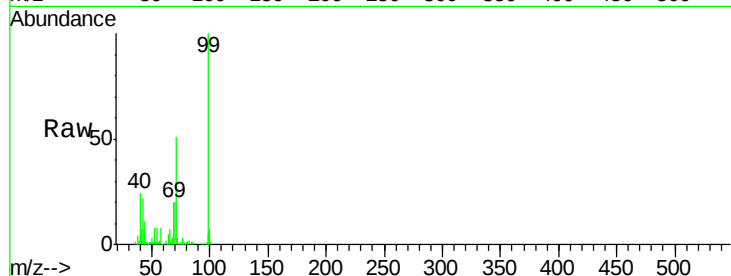
Tgt Ion: 99 Resp: 180783

Ion Ratio Lower Upper

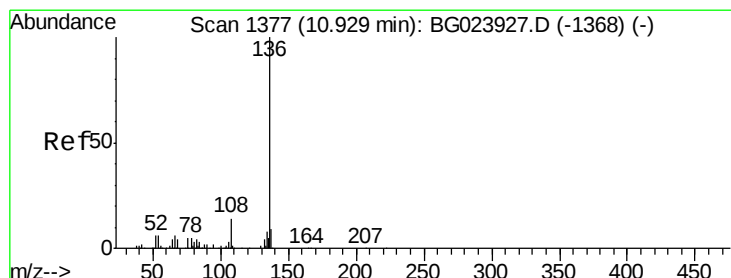
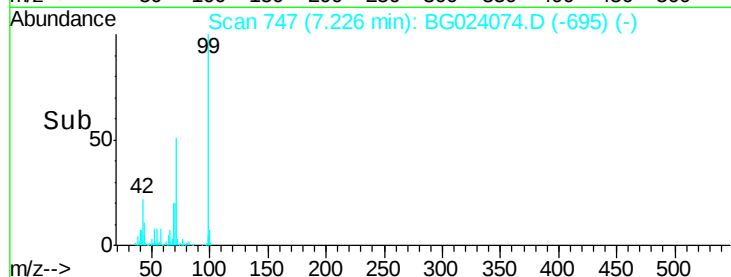
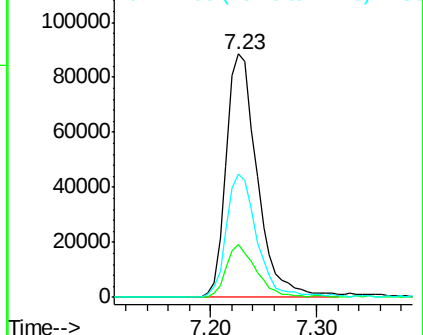
99 100

42 22.0 17.8 26.6

71 50.9 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: BG024074.D

Acq: 22 Sep 2016 18:27

Tgt Ion: 136 Resp: 384045

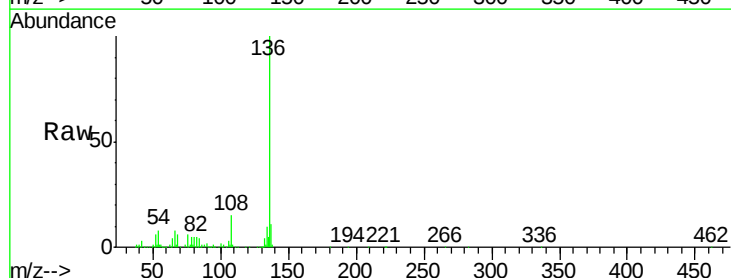
Ion Ratio Lower Upper

136 100

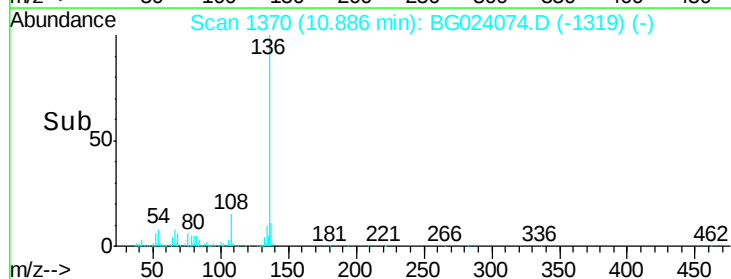
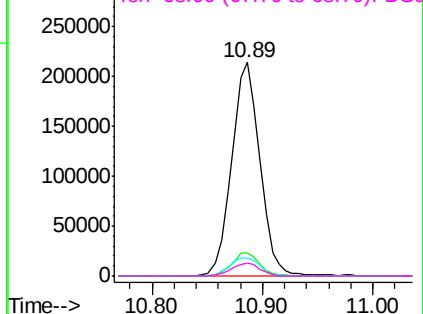
137 10.7 9.6 14.4

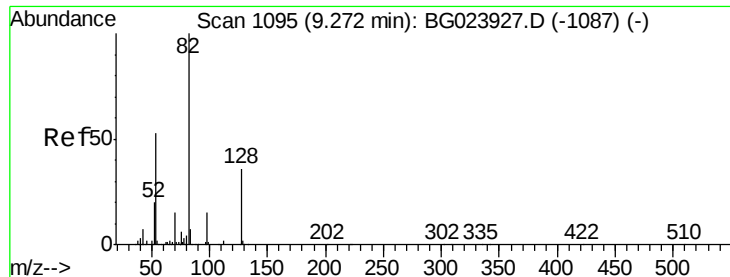
54 8.1 7.3 10.9

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: 16.31 ng

RT: 9.24 min Scan# 1089

Delta R.T. 0.00 min

Lab File: BG024074.D

Acq: 22 Sep 2016 18:27

Instrument :

BNA_G

ClientSampleId :

YORK-SB2-07-DUPDL

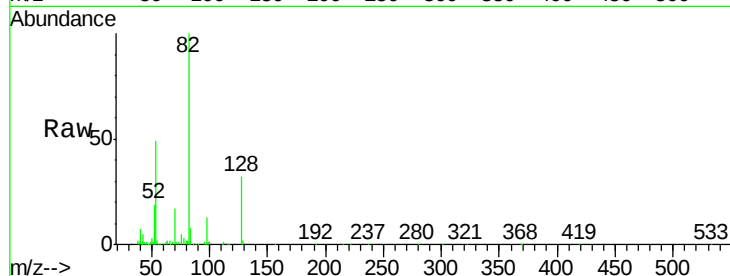
Tgt Ion: 82 Resp: 140282

Ion Ratio Lower Upper

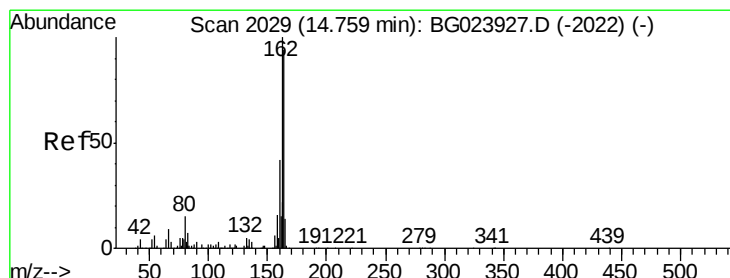
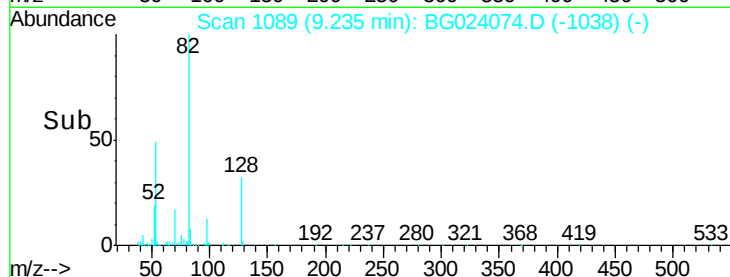
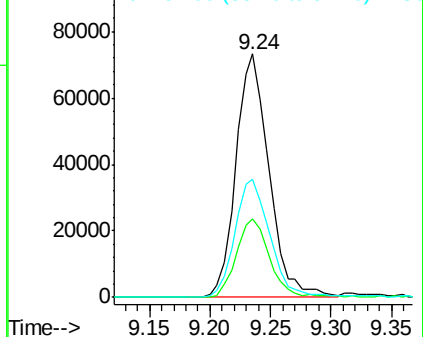
82 100

128 32.0 24.4 36.6

54 48.6 41.4 62.0



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.73 min Scan# 2024

Delta R.T. 0.00 min

Lab File: BG024074.D

Acq: 22 Sep 2016 18:27

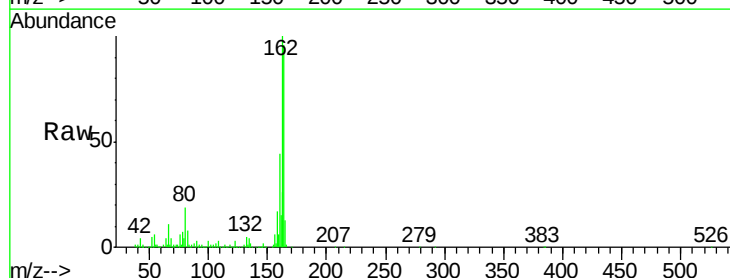
Tgt Ion: 164 Resp: 244575

Ion Ratio Lower Upper

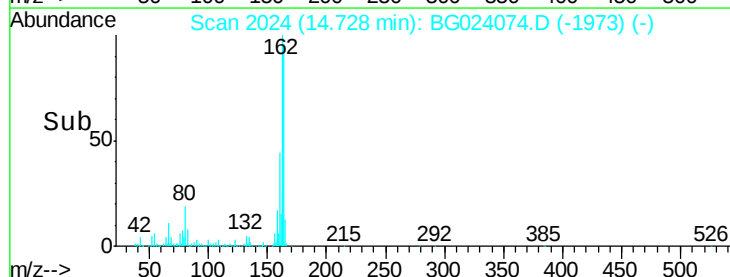
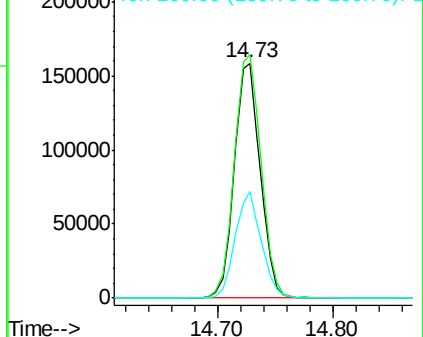
164 100

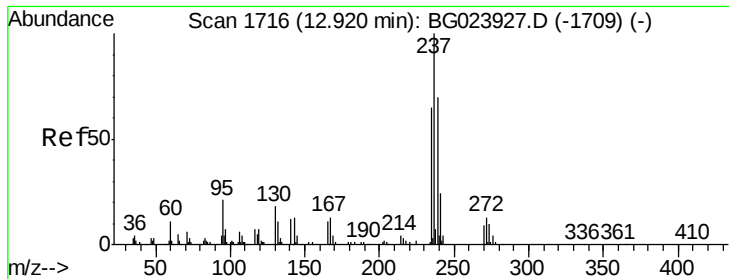
162 103.6 87.7 131.5

160 45.6 37.2 55.8



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

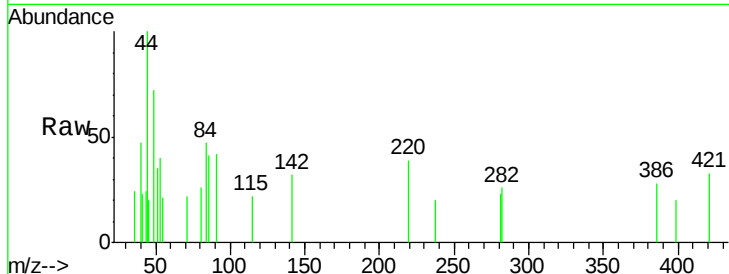




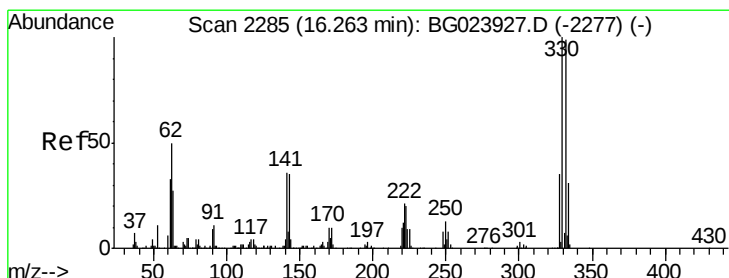
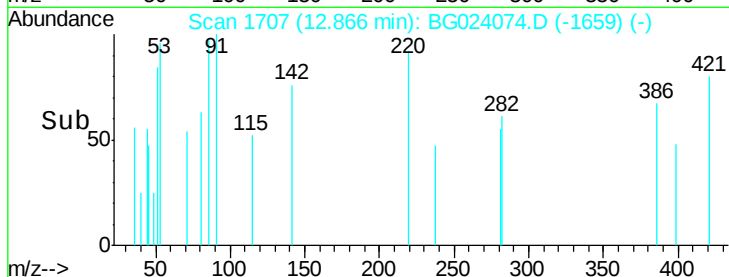
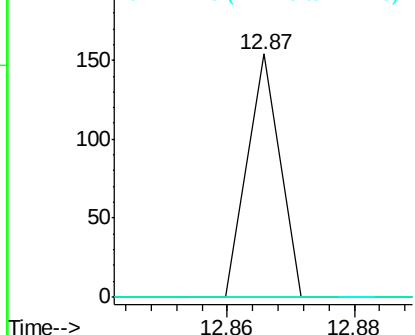
#40
Hexachlorocyclopentadiene
Concen: 7.09 ng
RT: 12.87 min Scan# 1707
Delta R.T. -0.02 min
Lab File: BG024074.D
Acq: 22 Sep 2016 18:27

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

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

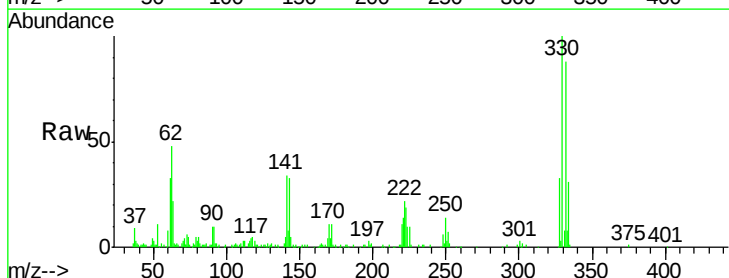


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

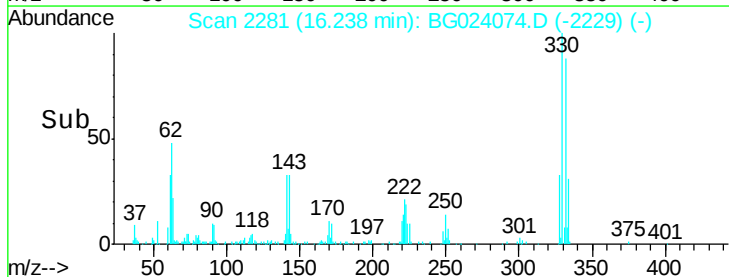
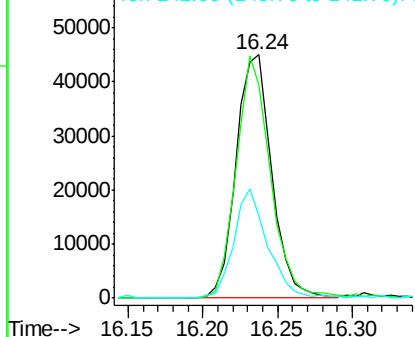


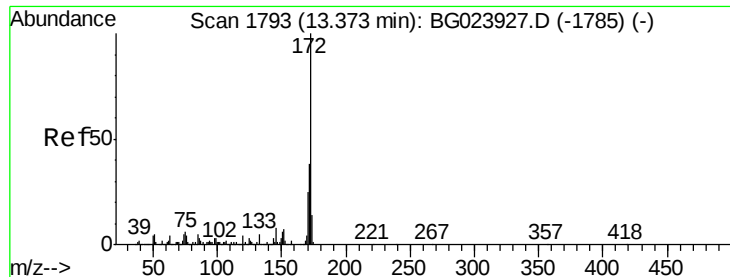
#41
2,4,6-Tribromophenol
Concen: 16.93 ng
RT: 16.24 min Scan# 2281
Delta R.T. 0.01 min
Lab File: BG024074.D
Acq: 22 Sep 2016 18:27

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.4	116.2
141	43.1	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

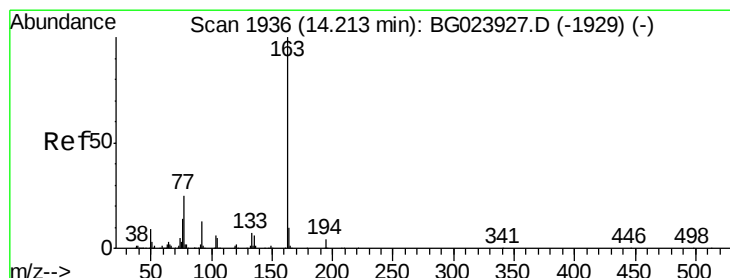
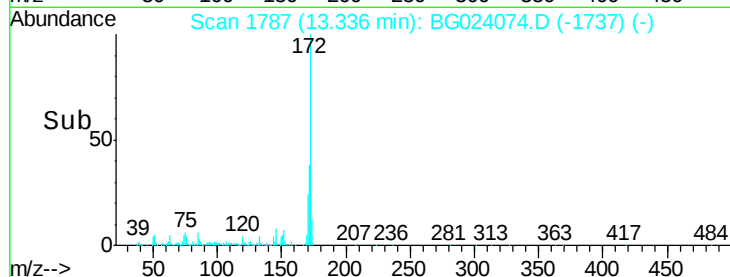
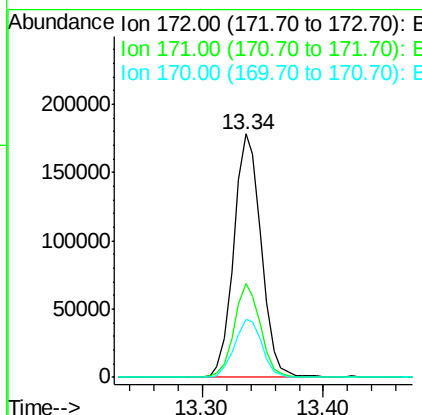
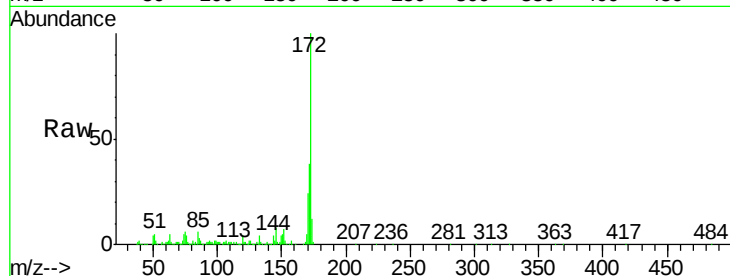




#44
2-Fluorobiphenyl
Concen: 16.50 ng
RT: 13.34 min Scan# 1787
Delta R.T. -0.01 min
Lab File: BG024074.D
Acq: 22 Sep 2016 18:27

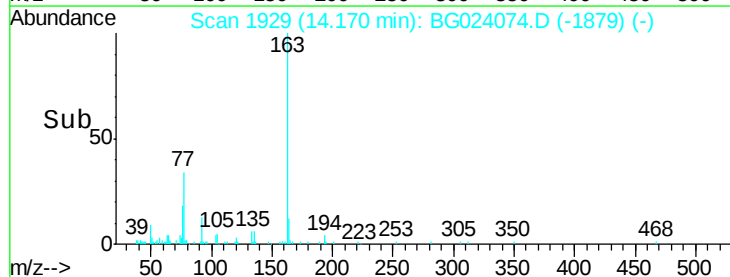
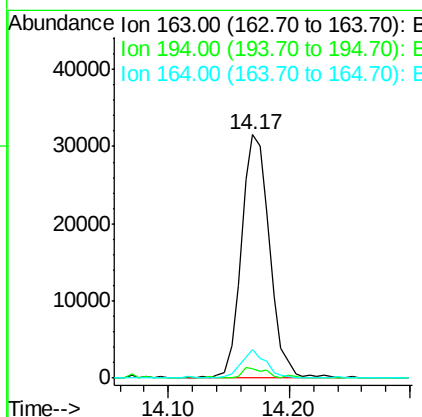
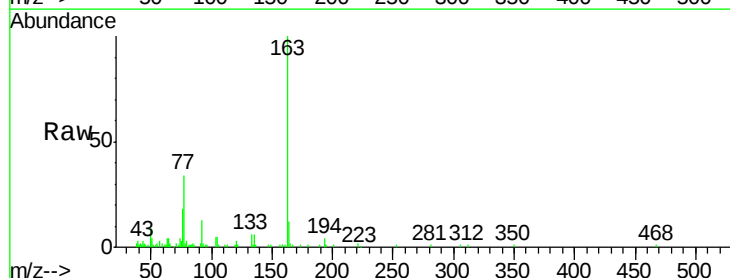
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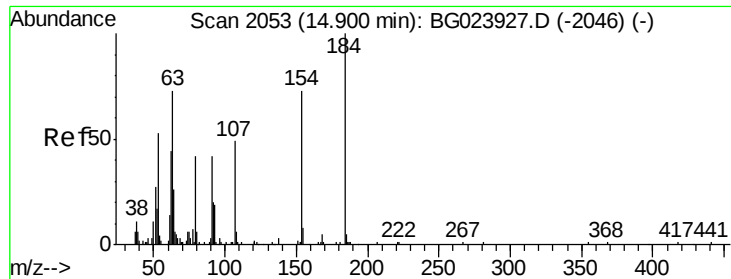
Tgt Ion:172 Resp: 281510
Ion Ratio Lower Upper
172 100
171 38.5 31.6 47.4
170 24.1 21.3 31.9



#49
Dimethylphthalate
Concen: 2.44 ng
RT: 14.17 min Scan# 1929
Delta R.T. -0.01 min
Lab File: BG024074.D
Acq: 22 Sep 2016 18:27

Tgt Ion:163 Resp: 51083
Ion Ratio Lower Upper
163 100
194 4.0 3.6 5.4
164 11.7 8.1 12.1

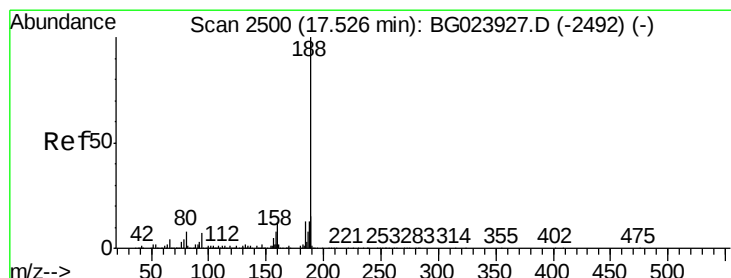
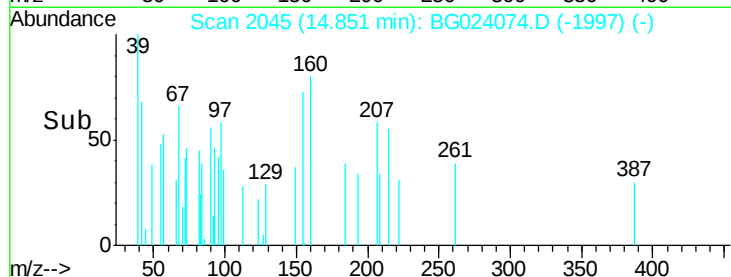
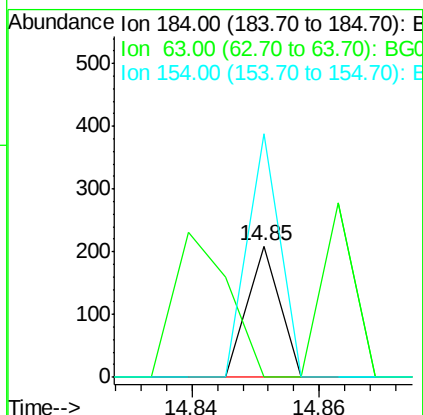
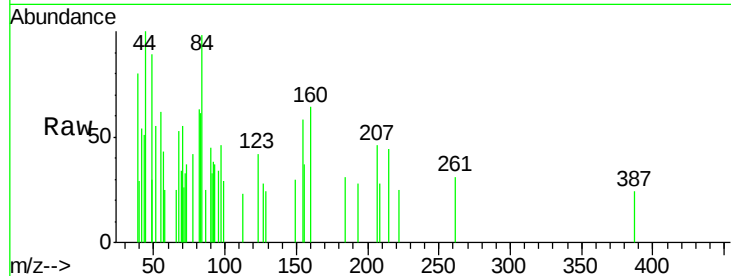




#53
2,4-Dinitrophenol
Concen: 6.53 ng
RT: 14.85 min Scan# 2045
Delta R.T. -0.02 min
Lab File: BG024074.D
Acq: 22 Sep 2016 18:27

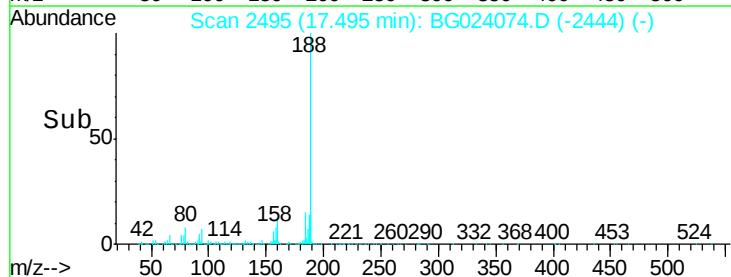
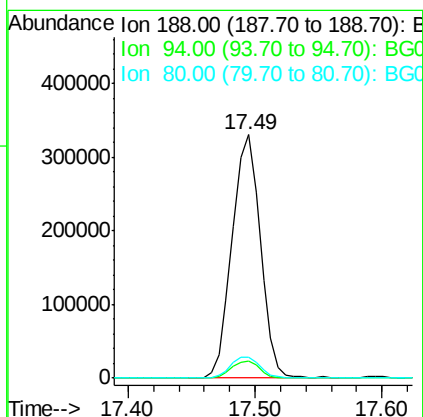
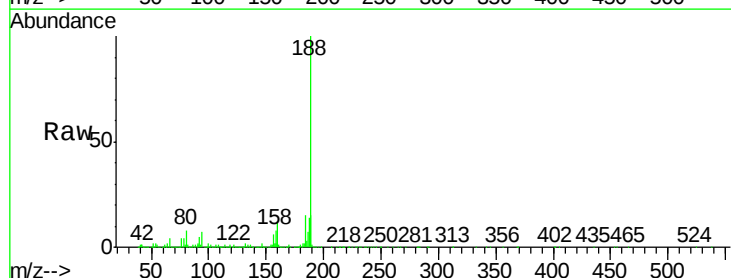
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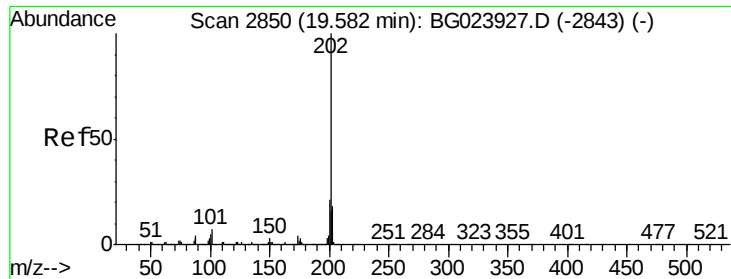
Tgt Ion:184 Resp: 74
Ion Ratio Lower Upper
184 100
63 0.0 59.6 89.4#
154 185.6 67.4 101.0#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.49 min Scan# 2495
Delta R.T. 0.00 min
Lab File: BG024074.D
Acq: 22 Sep 2016 18:27

Tgt Ion:188 Resp: 509182
Ion Ratio Lower Upper
188 100
94 7.1 5.2 7.8
80 8.4 7.2 10.8





#74

Fluoranthene

Concen: 2.47 ng

RT: 19.55 min Scan# 2845

Delta R.T. 0.00 min

Lab File: BG024074.D

Acq: 22 Sep 2016 18:27

Instrument :

BNA_G

ClientSampleId :

YORK-SB2-07-DUPDL

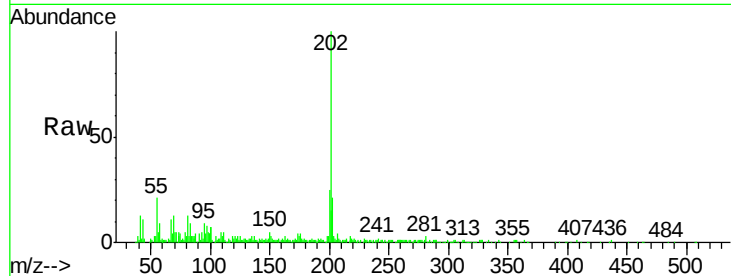
Tgt Ion:202 Resp: 78825

Ion Ratio Lower Upper

202 100

101 6.8 0.0 27.4

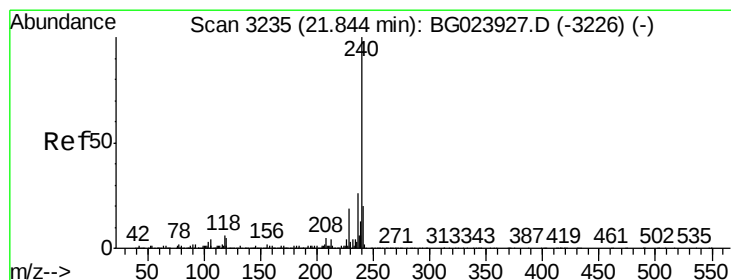
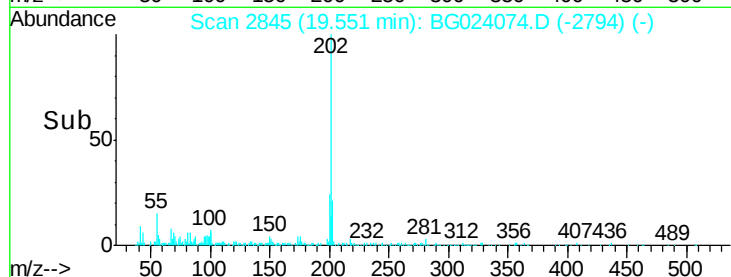
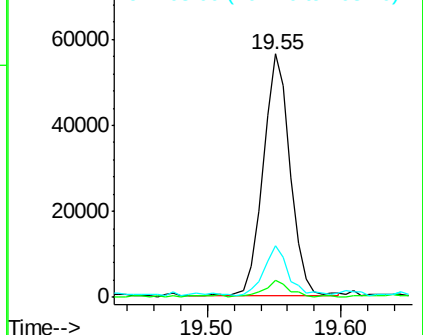
203 21.1 1.7 41.7



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: BG024074.D

Acq: 22 Sep 2016 18:27

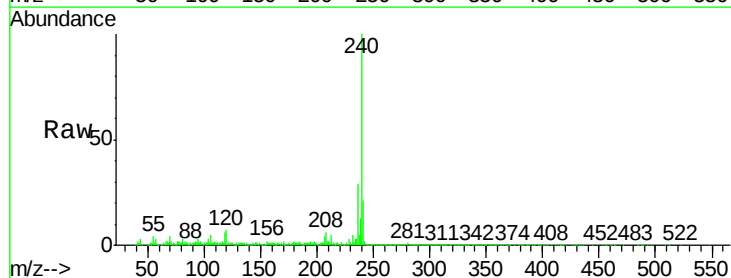
Tgt Ion:240 Resp: 494917

Ion Ratio Lower Upper

240 100

120 7.2 4.1 6.1#

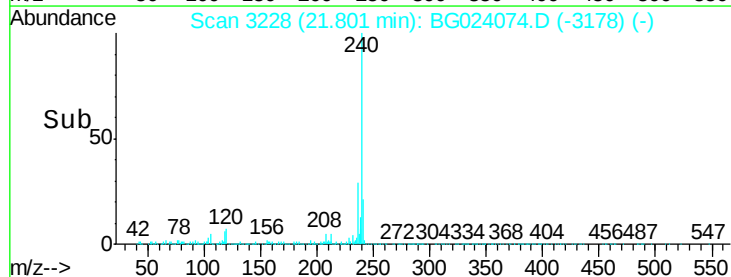
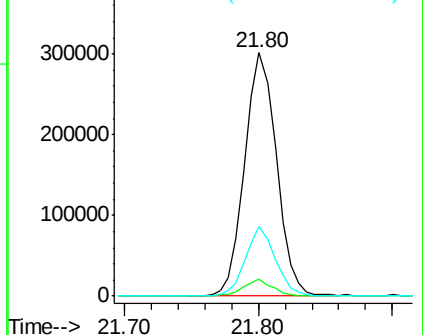
236 28.8 21.1 31.7

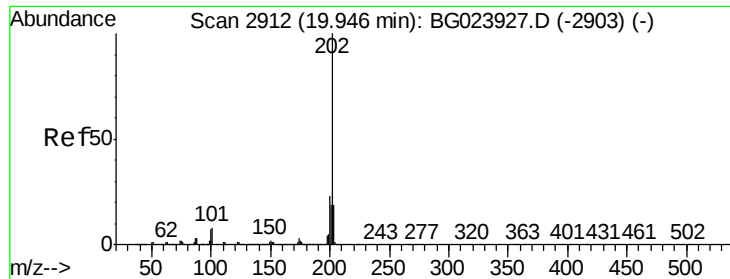


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 2.27 ng

RT: 19.91 min Scan# 2907

Delta R.T. 0.00 min

Lab File: BG024074.D

Acq: 22 Sep 2016 18:27

Instrument :

BNA_G

ClientSampleId :

YORK-SB2-07-DUPDL

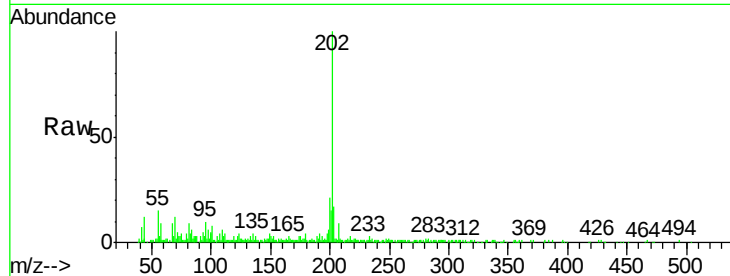
Tgt Ion:202 Resp: 68950

Ion Ratio Lower Upper

202 100

200 21.3 21.2 31.8

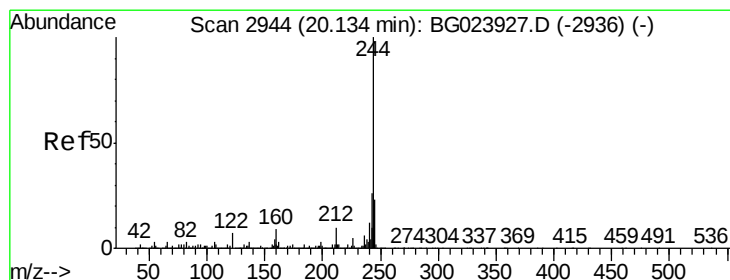
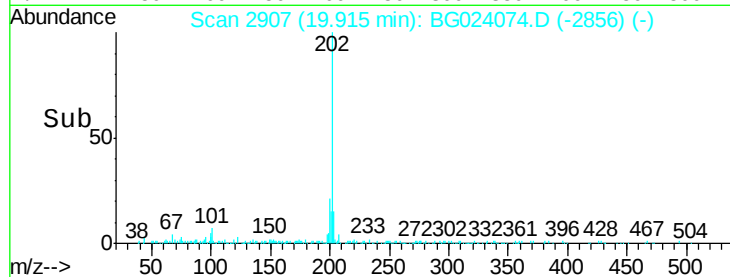
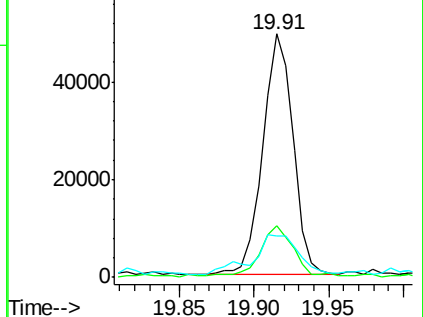
203 17.0 16.8 25.2



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: 15.47 ng

RT: 20.10 min Scan# 2939

Delta R.T. 0.00 min

Lab File: BG024074.D

Acq: 22 Sep 2016 18:27

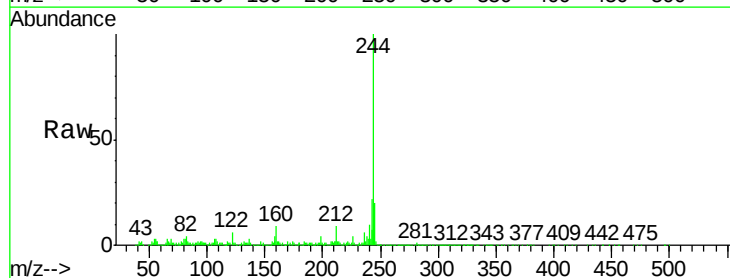
Tgt Ion:244 Resp: 336139

Ion Ratio Lower Upper

244 100

212 8.5 10.8 16.2#

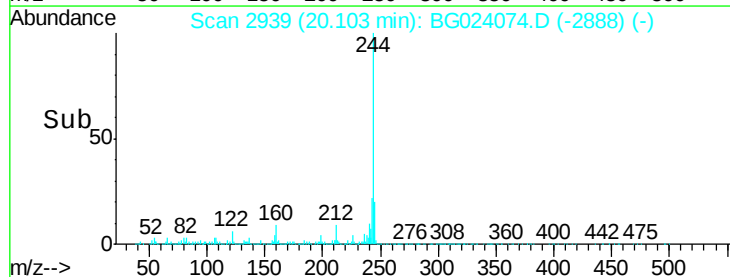
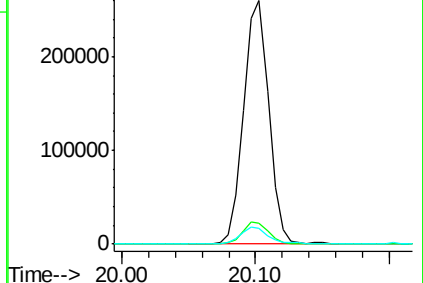
122 6.3 8.0 12.0#

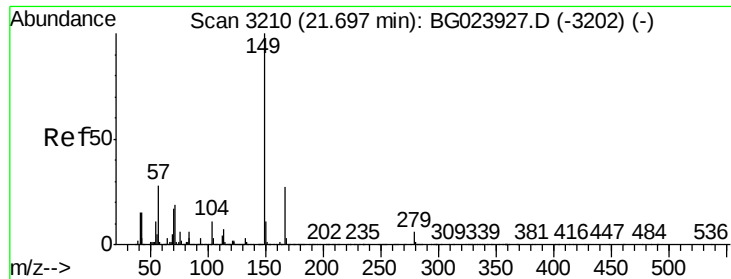


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

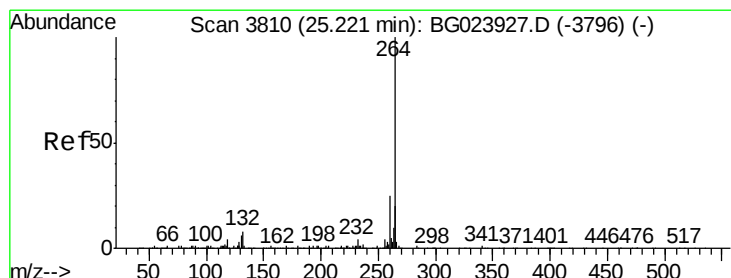
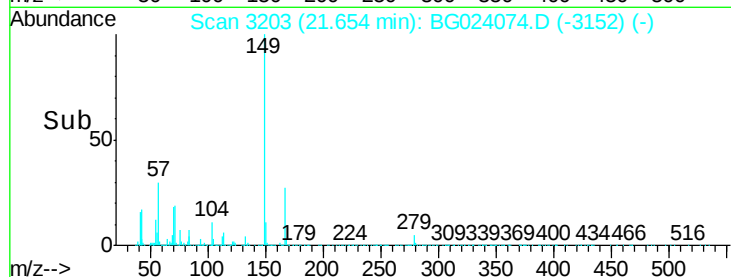
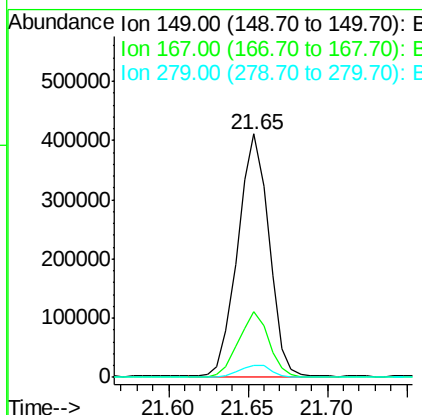
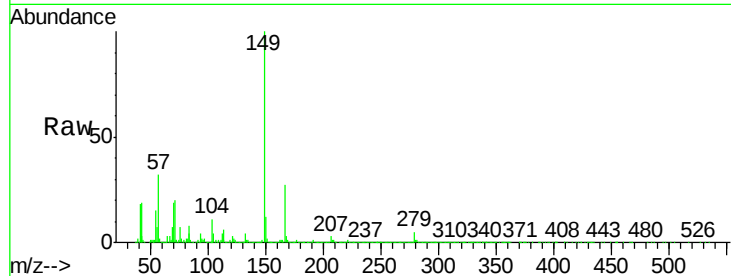




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 34.74 ng
 RT: 21.65 min Scan# 3203
 Delta R.T. 0.00 min
 Lab File: BG024074.D
 Acq: 22 Sep 2016 18:27

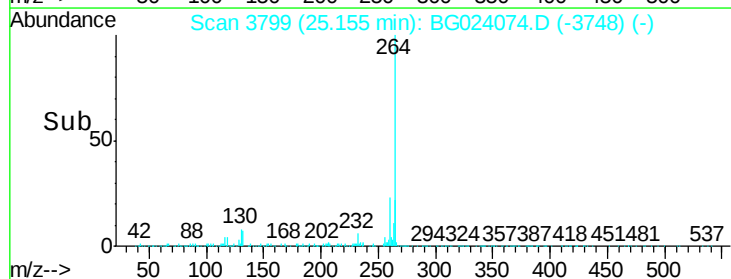
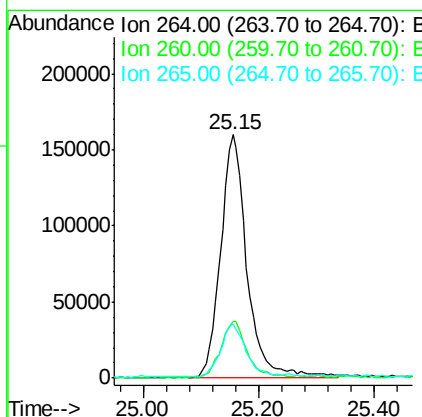
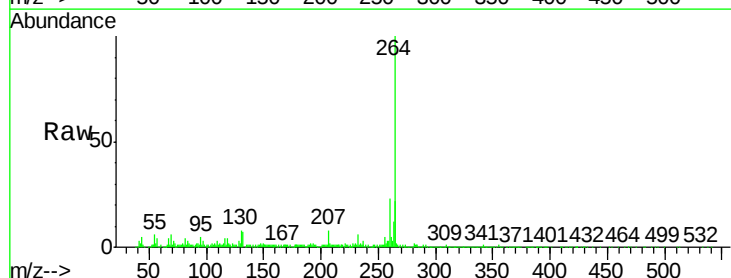
Instrument :
 BNA_G
 ClientSampleId :
 YORK-SB2-07-DUPDL

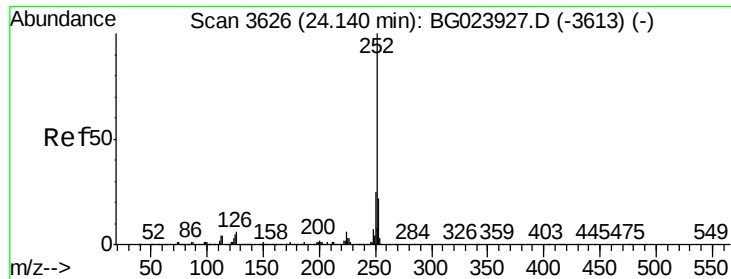
Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.2	24.0	36.0
279	5.2	4.8	7.2



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.15 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: BG024074.D
 Acq: 22 Sep 2016 18:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.4	27.6
265	22.2	18.9	28.3





#87

Benzo(b)fluoranthene

Concen: 2.10 ng

RT: 24.08 min Scan# 3616

Delta R.T. 0.00 min

Lab File: BG024074.D

Acq: 22 Sep 2016 18:27

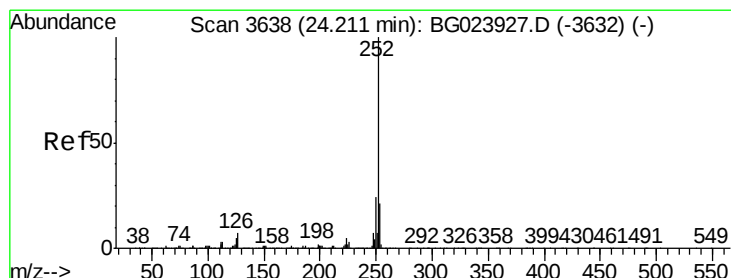
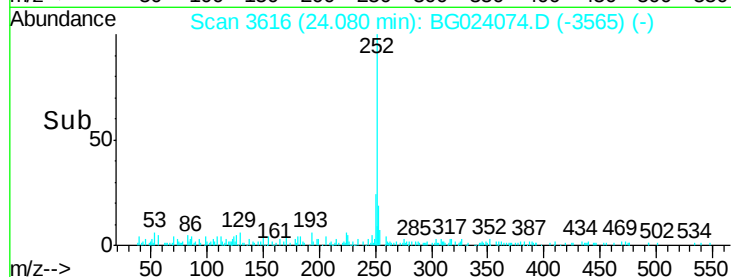
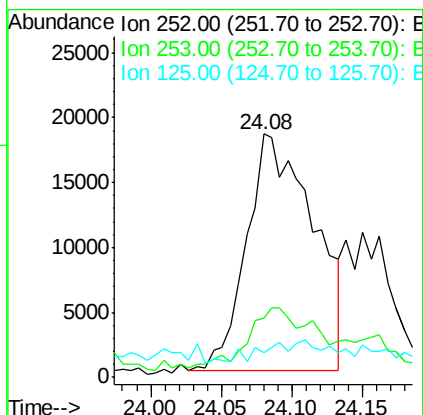
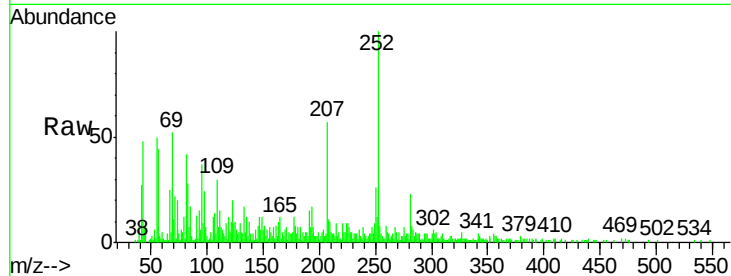
Instrument :

BNA_G

ClientSampleId :

YORK-SB2-07-DUPDL

Tgt Ion:	252	Resp:	60446
Ion Ratio	Lower	Upper	
252	100		
253	24.4	18.9	28.3
125	10.2	3.9	5.9#



#88

Benzo(k)fluoranthene

Concen: 2.11 ng

RT: 24.08 min Scan# 3616

Delta R.T. -0.07 min

Lab File: BG024074.D

Acq: 22 Sep 2016 18:27

Tgt Ion:	252	Resp:	60446
Ion Ratio	Lower	Upper	
252	100		
253	24.4	18.8	28.2
125	10.2	3.2	4.8#

