

Data File : BG030984.D
Acq On : 13 Nov 2017 22:02
Operator : SJ/JU
Sample : I6436-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
153RD-63RD-ST-DRUM

Quant Time: Nov 14 04:57:54 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG111017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 10 15:38:25 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	48492	20.00	ng	-0.01
21) Naphthalene-d8	10.95	136	205950	20.00	ng	-0.01
38) Acenaphthene-d10	14.76	164	139054	20.00	ng	-0.02
63) Phenanthrene-d10	17.49	188	356585	20.00	ng	-0.02
75) Chrysene-d12	21.76	240	428256	20.00	ng	-0.02
86) Perylene-d12	25.05	264	444570	20.00	ng	-0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	175401	62.02	ng	0.00
7) Phenol-d6	7.31	99	139163	36.53	ng	0.00
23) Nitrobenzene-d5	9.31	82	334852	96.34	ng	-0.01
41) 2,4,6-Tribromophenol	16.24	330	361910	160.89	ng	-0.01
44) 2-Fluorobiphenyl	13.39	172	993603	102.67	ng	-0.01
78) Terphenyl-d14	20.08	244	1746386	90.04	ng	-0.01

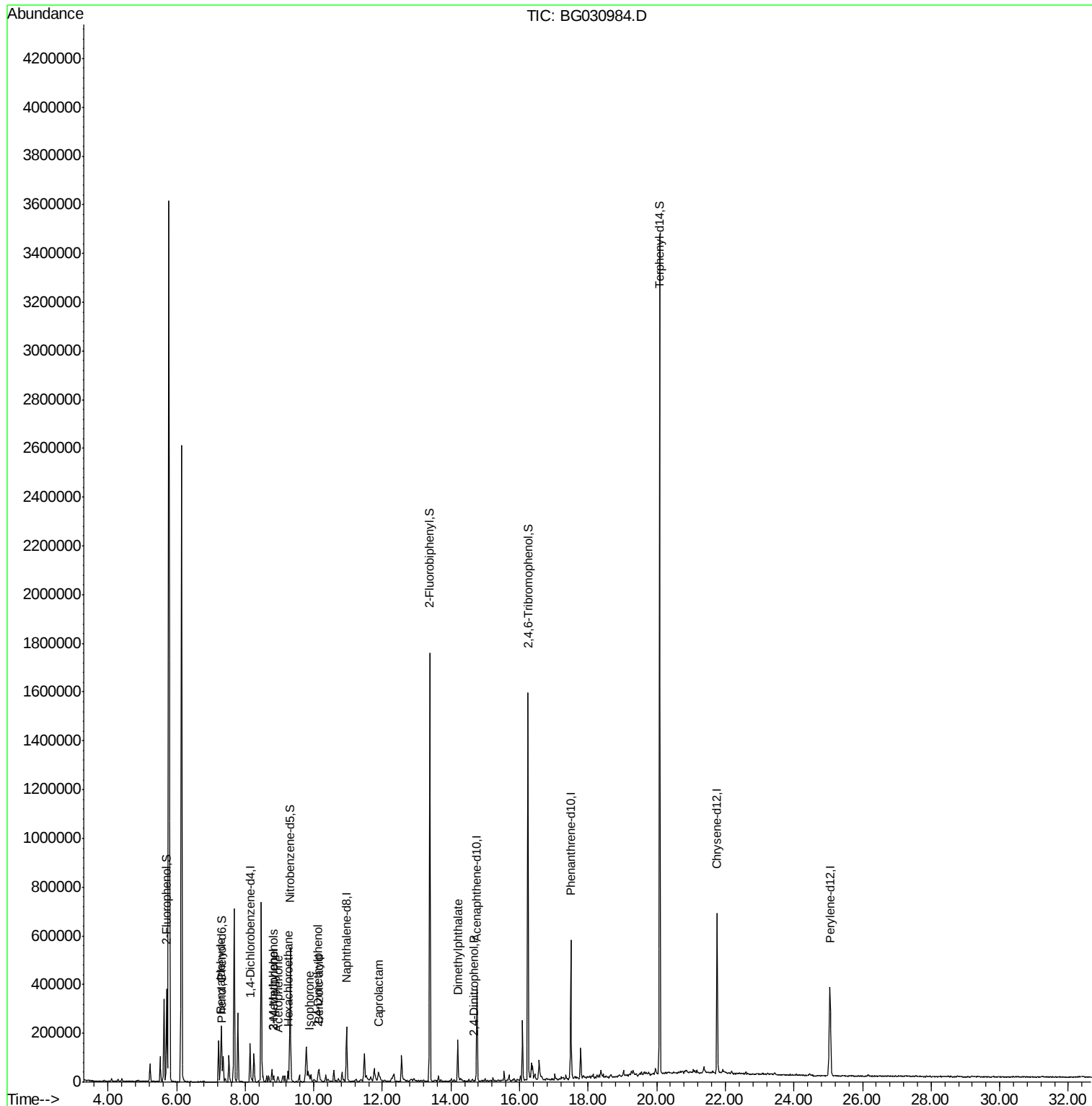
Target Compounds						Qvalue
9) Benzaldehyde	7.28	77	6103	2.29	ng	# 1
10) Phenol	7.33	94	10946	2.77	ng	97
17) 2-Methylphenol	8.83	107	7933	2.88	ng	# 20
18) Hexachloroethane	9.25	117	3184	2.47	ng	# 1
20) 3+4-Methylphenols	8.83	107	8011	2.04	ng	# 9
22) Acetophenone	8.95	105	18358	3.58	ng	# 65
25) Isophorone	9.87	82	19073	2.81	ng	# 88
27) 2,4-Dimethylphenol	10.12	122	8553	3.11	ng	93
32) Benzoic acid	10.15	122	12981	10.67	ng	# 23
35) Caprolactam	11.89	113	3643	2.70	ng	# 76
49) Dimethylphthalate	14.20	163	124051	10.32	ng	99
53) 2,4-Dinitrophenol	14.68	184	60	5.91	ng	# 1

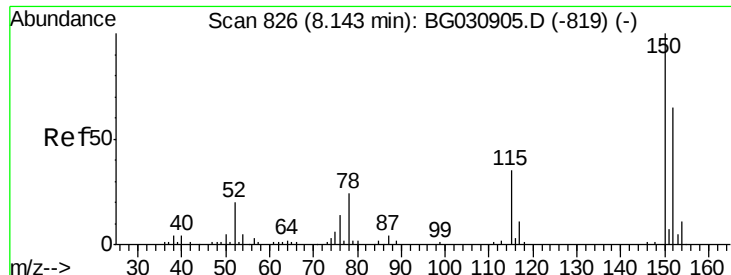
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ALS Vial : 17 Sample Multiplier: 1

153RD-63RD-ST-DRUM

Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.14 min Scan# 826

Delta R.T. -0.01 min

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ClientSampleId :

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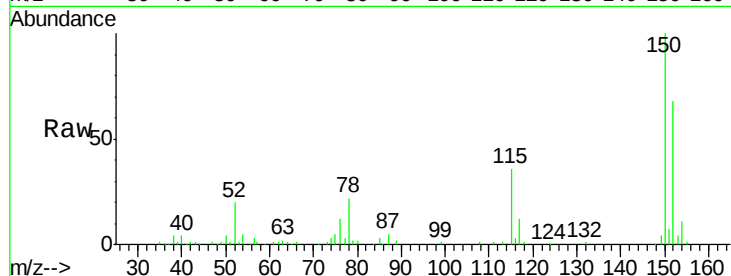
Tgt Ion:152 Resp: 48492

Ion Ratio Lower Upper

152 100

150 147.3 126.6 189.8

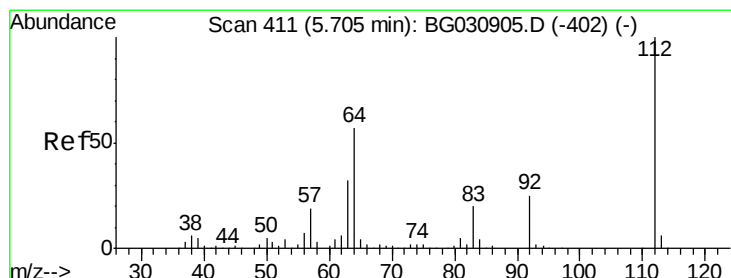
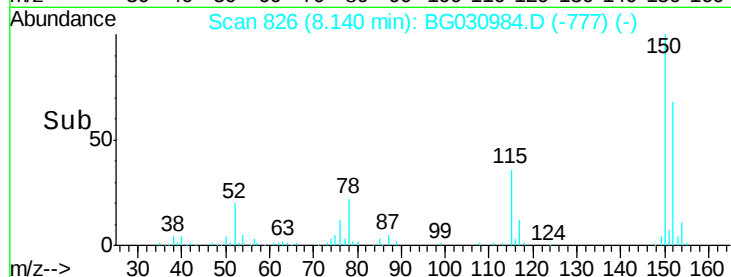
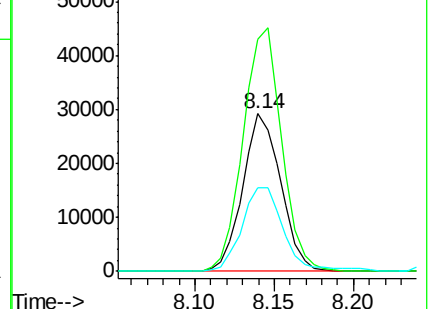
115 52.9 53.0 79.4#



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: 62.02 ng

RT: 5.71 min Scan# 412

Delta R.T. -0.00 min

Lab File: BG030984.D

Acq: 13 Nov 2017 22:02

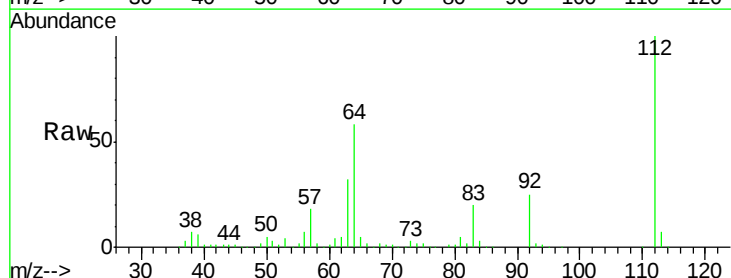
Tgt Ion:112 Resp: 175401

Ion Ratio Lower Upper

112 100

64 57.6 56.3 84.5

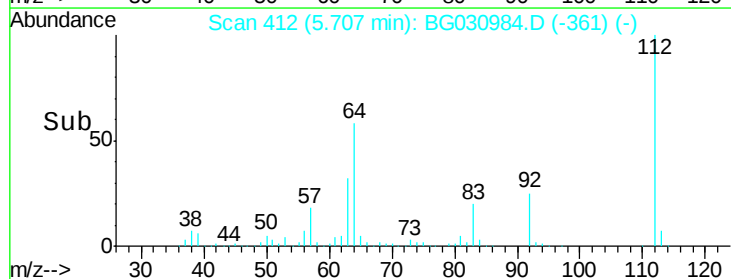
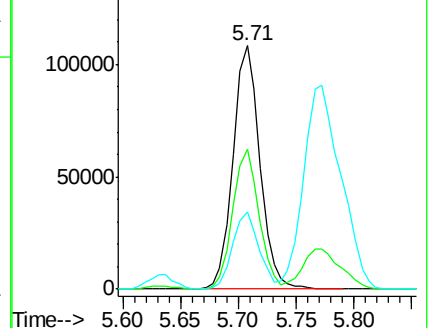
63 31.9 30.1 45.1

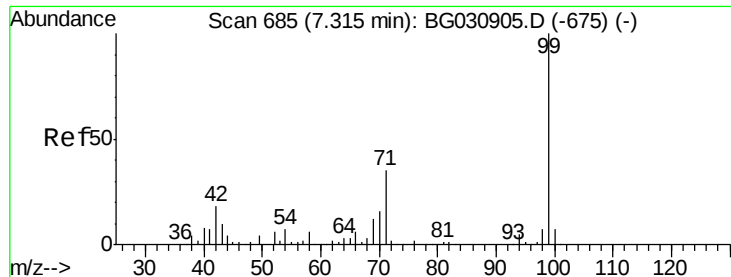


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 36.53 ng

RT: 7.31 min Scan# 684

Delta R.T. -0.00 min

Lab File: BG030984.D

Acq: 13 Nov 2017 22:02

Instrument :

BNA_G

ClientSampleId :

153RD-63RD-ST-DRUM

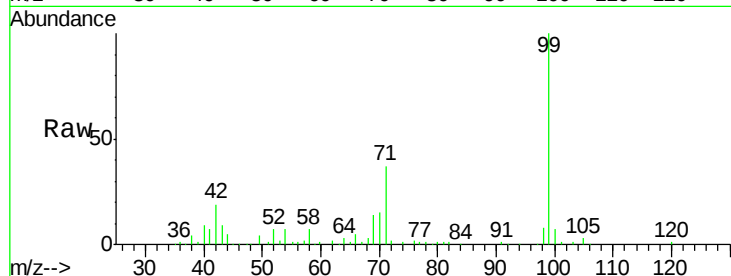
Tgt Ion: 99 Resp: 139163

Ion Ratio Lower Upper

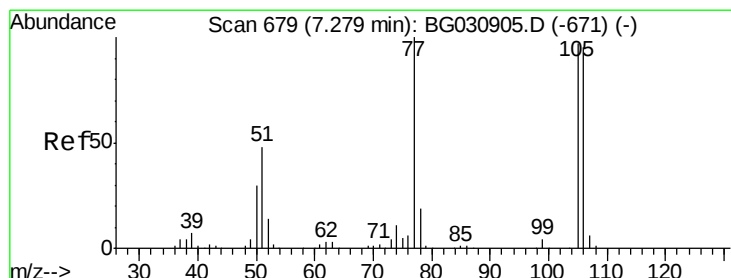
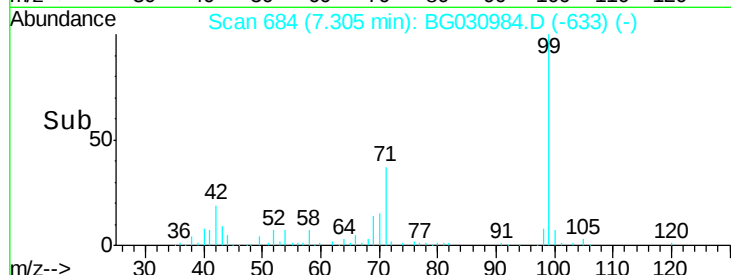
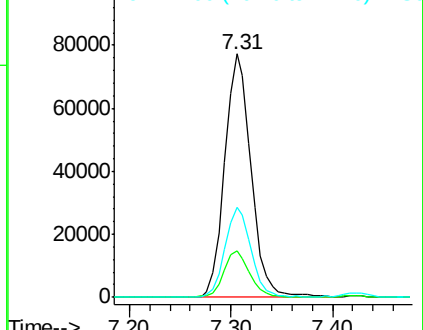
99 100

42 18.9 14.1 21.1

71 37.0 26.1 39.1



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



#9

Benzaldehyde

Concen: 2.29 ng

RT: 7.28 min Scan# 679

Delta R.T. -0.01 min

Lab File: BG030984.D

Acq: 13 Nov 2017 22:02

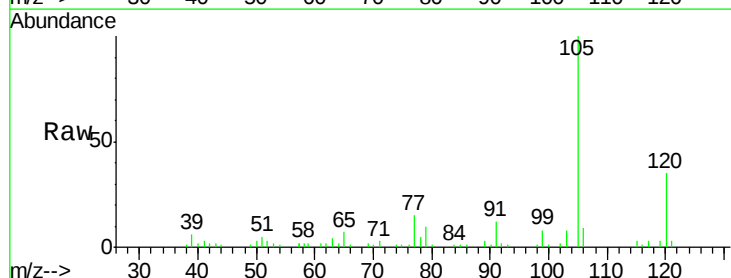
Tgt Ion: 77 Resp: 6103

Ion Ratio Lower Upper

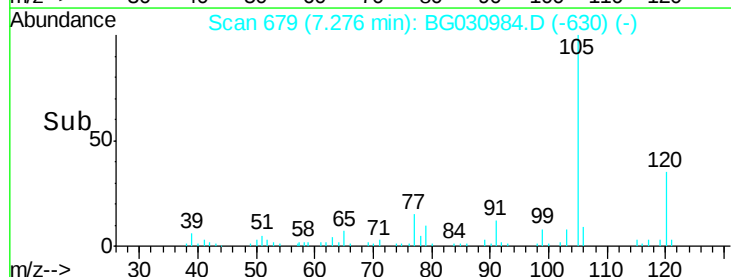
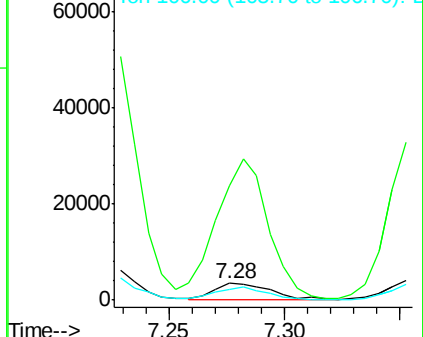
77 100

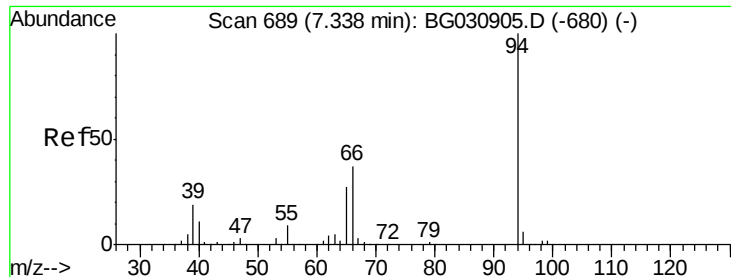
105 682.9 71.3 111.3#

106 62.9 64.2 104.2#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC





#10

Phenol

Concen: 2.77 ng

RT: 7.33 min Scan# 689

Delta R.T. -0.00 min

Lab File: BG030984.D

Acq: 13 Nov 2017 22:02

Instrument :

BNA_G

ClientSampleId :

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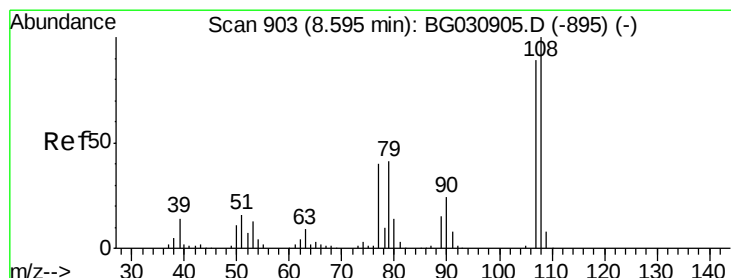
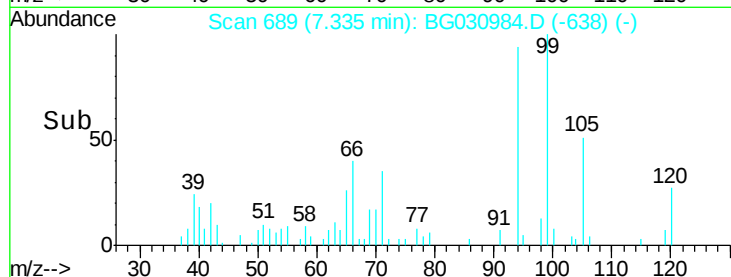
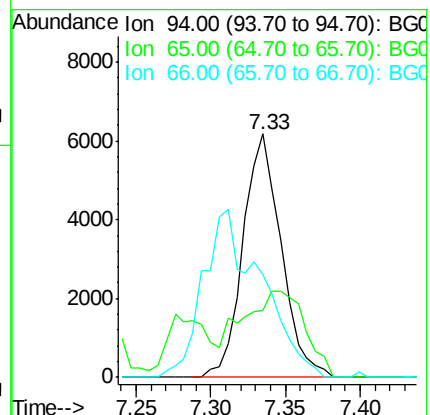
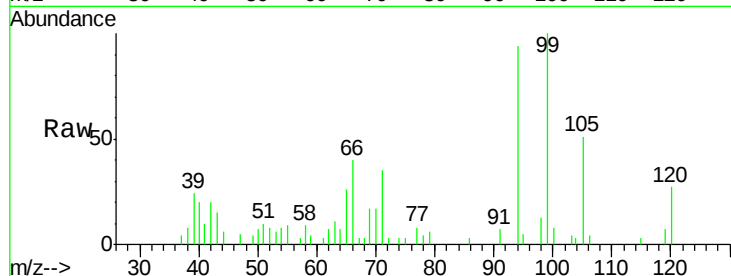
Tgt Ion: 94 Resp: 10946

Ion Ratio Lower Upper

94 100

65 27.7 11.9 51.9

66 42.3 22.2 62.2



#17

2-Methylphenol

Concen: 2.88 ng

RT: 8.83 min Scan# 943

Delta R.T. 0.23 min

Lab File: BG030984.D

Acq: 13 Nov 2017 22:02

Tgt Ion: 107 Resp: 7933

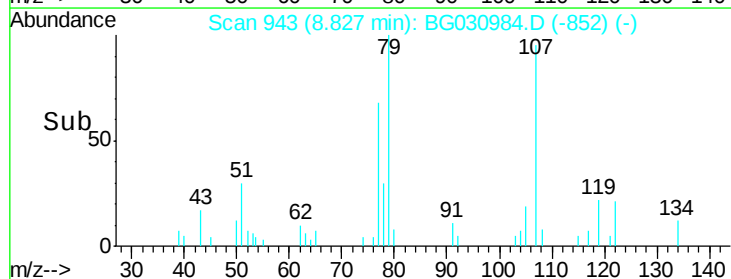
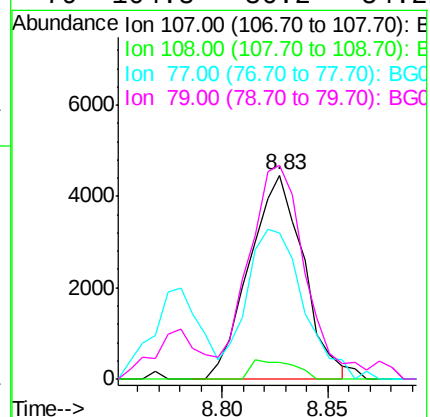
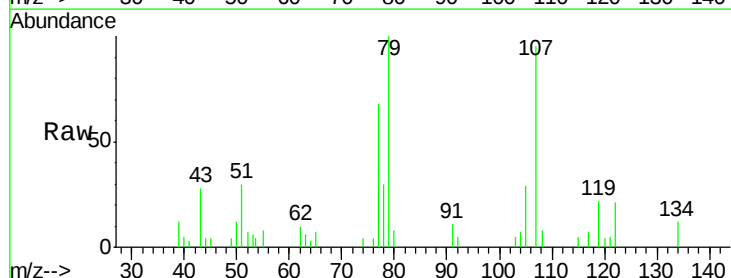
Ion Ratio Lower Upper

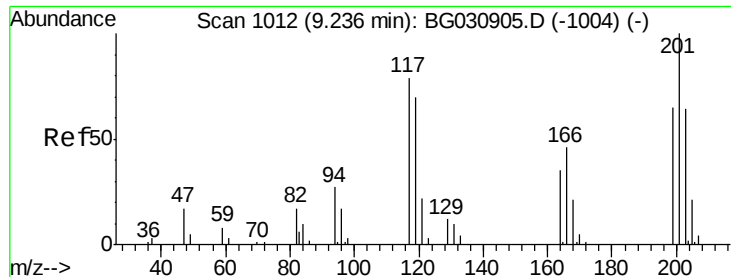
107 100

108 8.0 83.9 125.9#

77 71.8 37.2 55.8#

79 104.8 36.2 54.2#

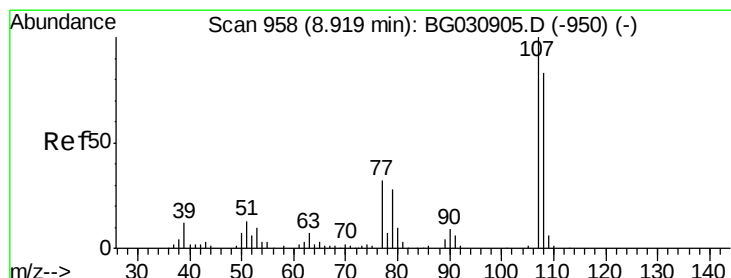
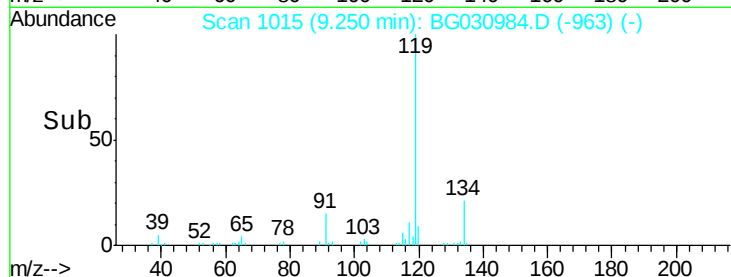
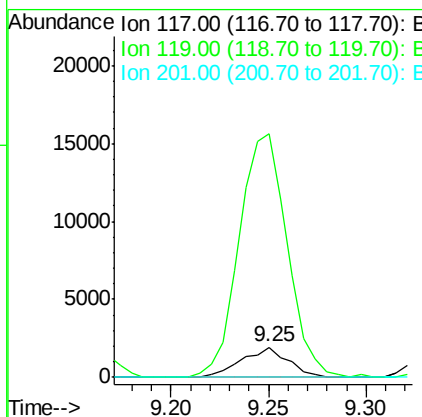
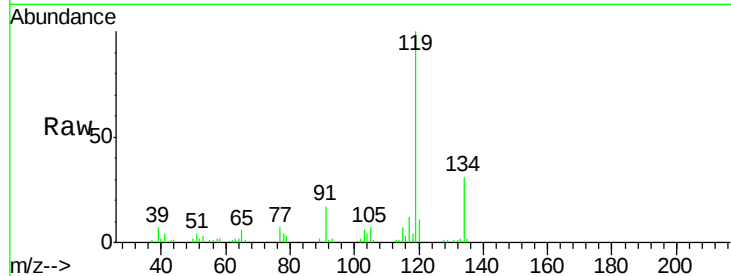




#18
Hexachloroethane
Concen: 2.47 ng
RT: 9.25 min Scan# 1015
Delta R.T. 0.00 min
Lab File: BG030984.D
Acq: 13 Nov 2017 22:02

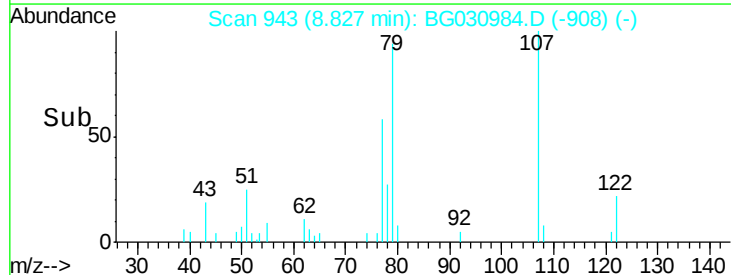
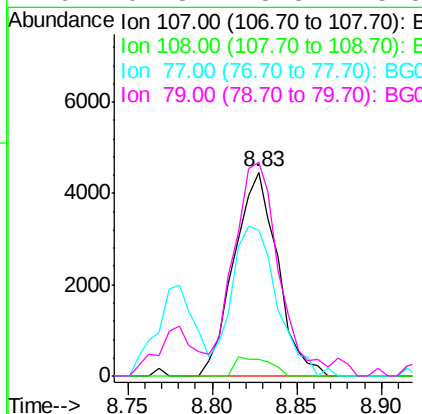
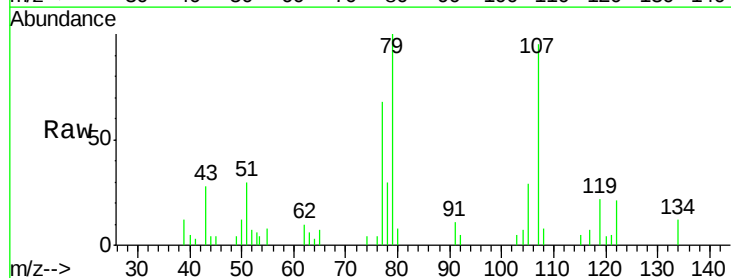
Instrument :
BNA_G
ClientSampleId :
153RD-63RD-ST-DRUM

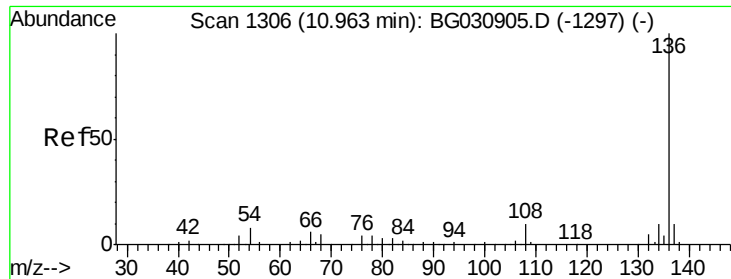
Tgt Ion:117 Resp: 3184
Ion Ratio Lower Upper
117 100
119 812.0 76.7 115.1#
201 0.0 95.7 143.5#



#20
3+4-Methylphenols
Concen: 2.04 ng
RT: 8.83 min Scan# 943
Delta R.T. -0.10 min
Lab File: BG030984.D
Acq: 13 Nov 2017 22:02

Tgt Ion:107 Resp: 8011
Ion Ratio Lower Upper
107 100
108 8.0 61.6 101.6#
77 71.8 13.9 53.9#
79 104.8 8.8 48.8#

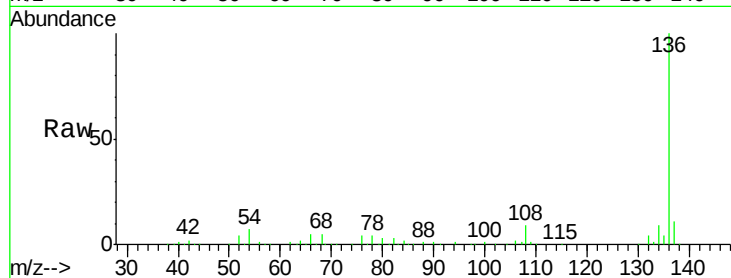




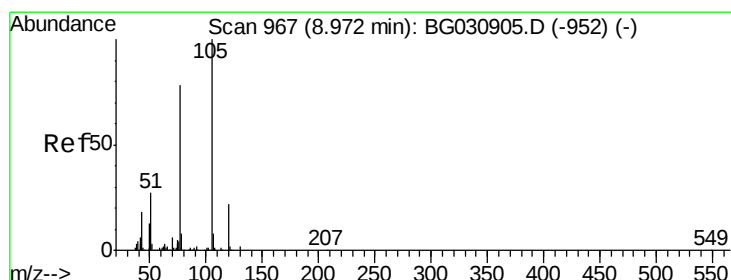
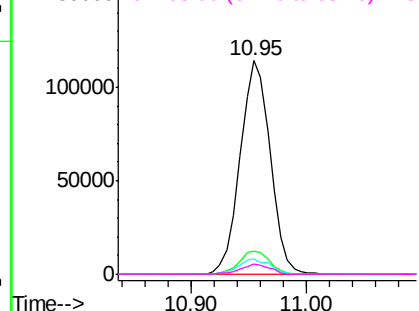
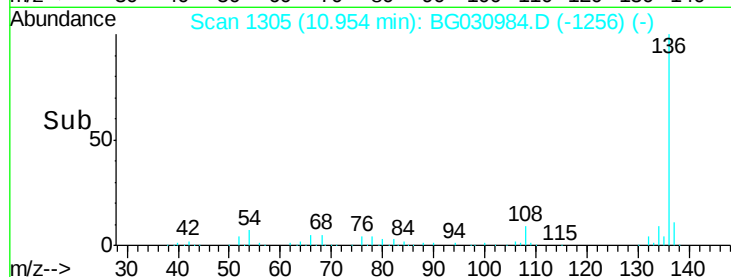
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.95 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BG030984.D
Acq: 13 Nov 2017 22:02

Instrument :
BNA_G
ClientSampleId :
153RD-63RD-ST-DRUM

Tgt Ion:	136	Resp:	205950
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	7.0	10.3	15.5#
68	5.3	4.5	6.7

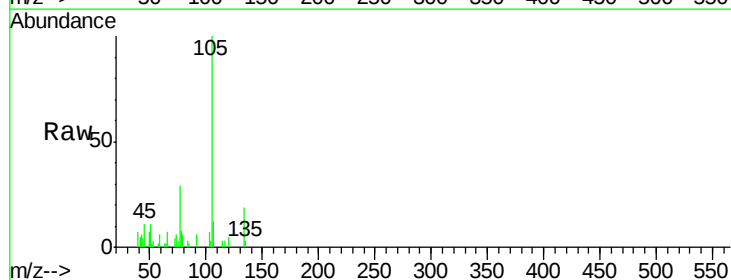


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

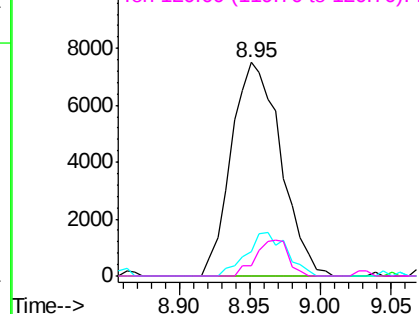
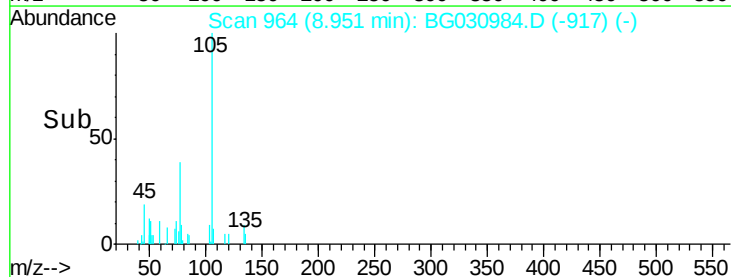


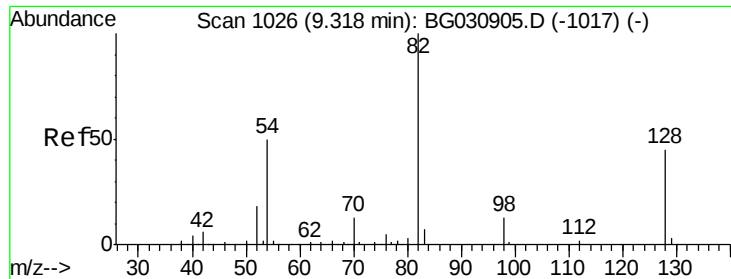
#22
Acetophenone
Concen: 3.58 ng
RT: 8.95 min Scan# 964
Delta R.T. -0.02 min
Lab File: BG030984.D
Acq: 13 Nov 2017 22:02

Tgt Ion:	105	Resp:	18358
Ion	Ratio	Lower	Upper
105	100		
71	0.0	3.0	4.4#
51	11.3	26.1	39.1#
120	4.9	17.4	26.2#



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BGC
Ion 51.00 (50.70 to 51.70): BGC
Ion 120.00 (119.70 to 120.70): E

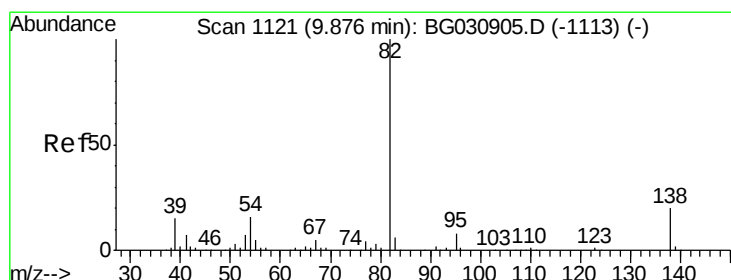
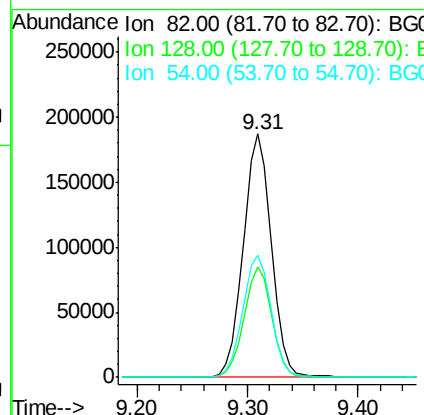
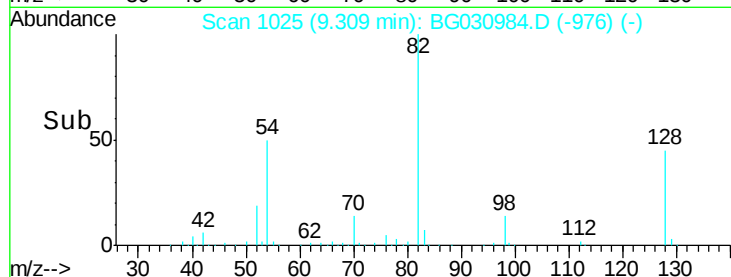
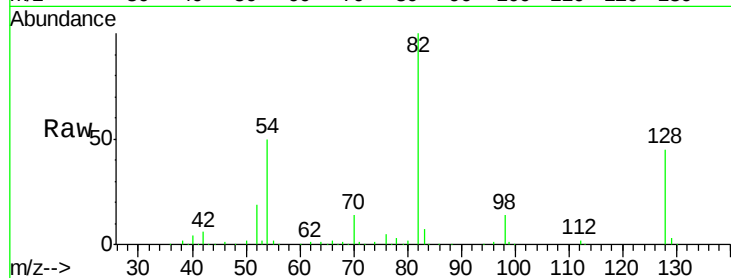




#23
 Nitrobenzene-d5
 Concen: 96.34 ng
 RT: 9.31 min Scan# 1025
 Delta R.T. -0.01 min
 Lab File: BG030984.D
 Acq: 13 Nov 2017 22:02

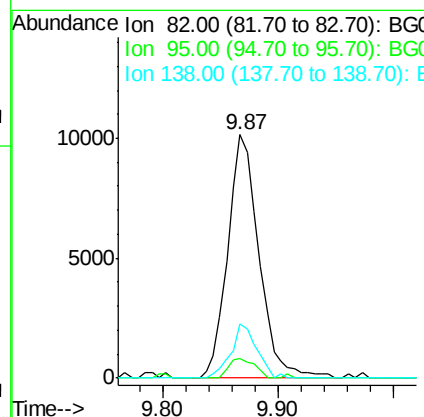
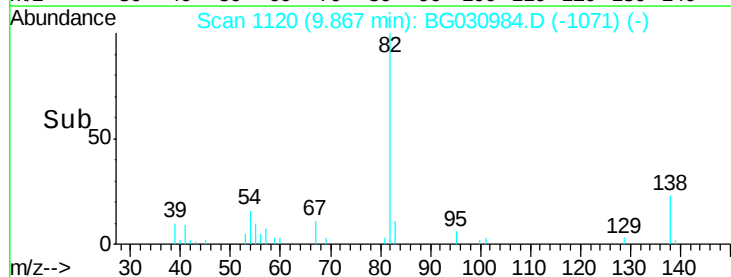
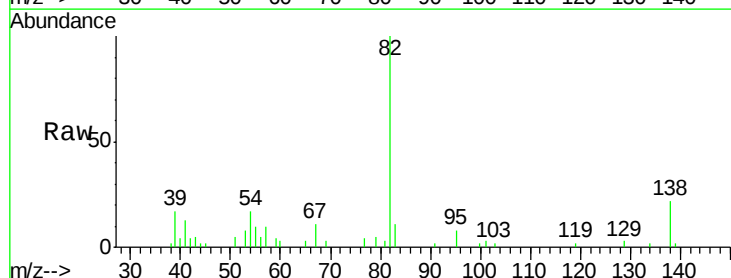
Instrument :
 BNA_G
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 153RD-63RD-ST-DRUM

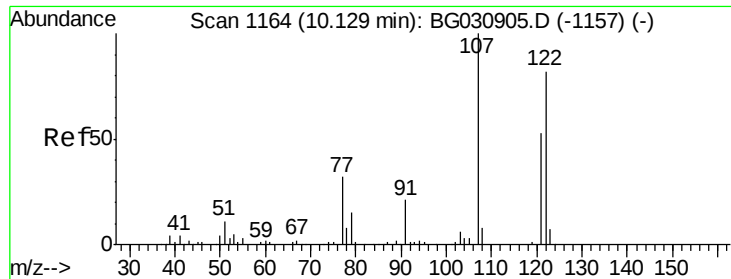
Tgt Ion: 82 Resp: 334852
 Ion Ratio Lower Upper
 82 100
 128 45.3 29.7 44.5#
 54 50.0 43.1 64.7



#25
 Isophorone
 Concen: 2.81 ng
 RT: 9.87 min Scan# 1120
 Delta R.T. -0.01 min
 Lab File: BG030984.D
 Acq: 13 Nov 2017 22:02

Tgt Ion: 82 Resp: 19073
 Ion Ratio Lower Upper
 82 100
 95 8.2 6.2 9.2
 138 22.4 12.1 18.1#

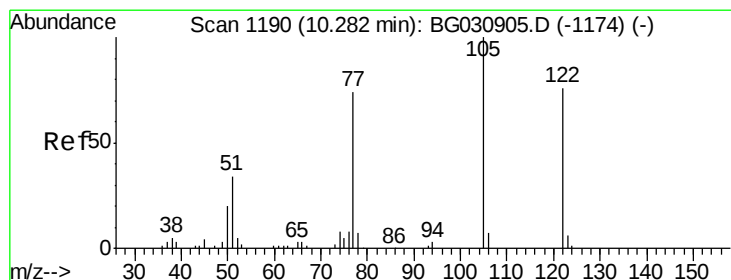
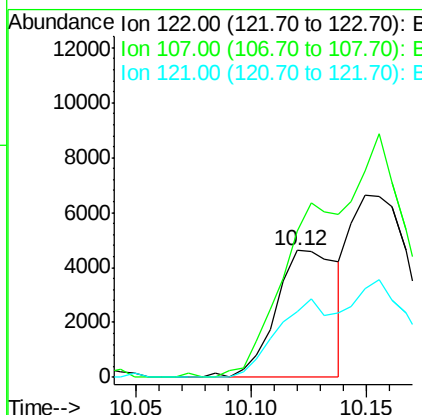
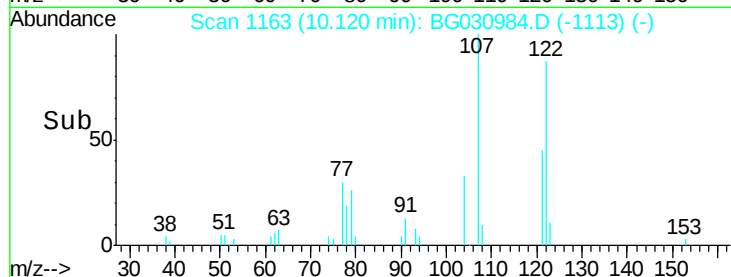
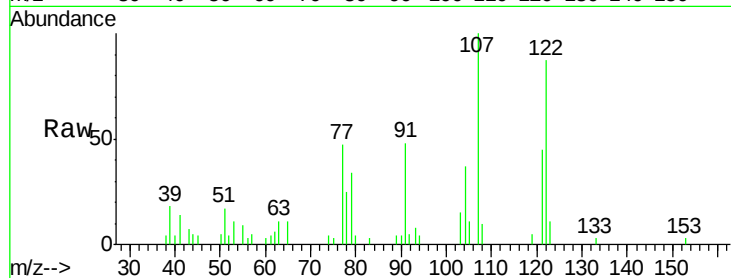




#27
2,4-Dimethylphenol
Concen: 3.11 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BG030984.D
Acq: 13 Nov 2017 22:02

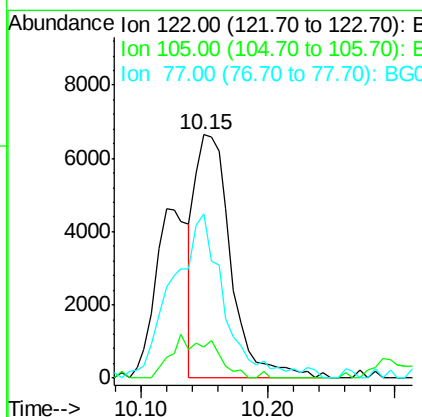
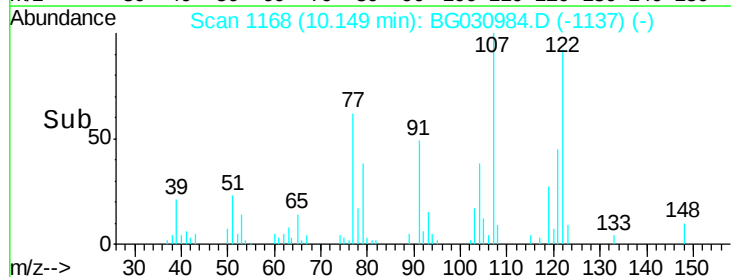
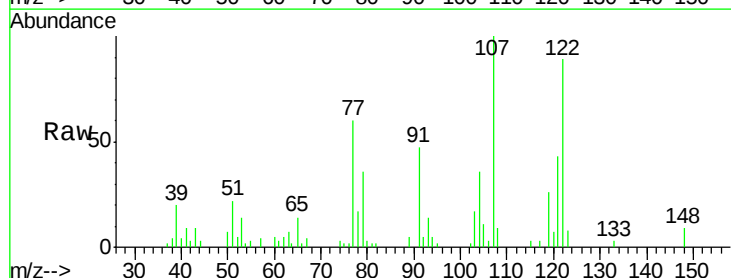
Instrument :
BNA_G
ClientSampleId :
153RD-63RD-ST-DRUM

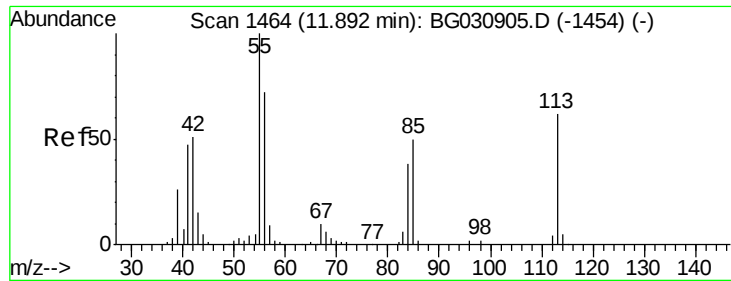
Tgt Ion:122 Resp: 8553
Ion Ratio Lower Upper
122 100
107 115.4 100.2 150.2
121 52.1 44.4 66.6



#32
Benzoic acid
Concen: 10.67 ng
RT: 10.15 min Scan# 1168
Delta R.T. -0.12 min
Lab File: BG030984.D
Acq: 13 Nov 2017 22:02

Tgt Ion:122 Resp: 12981
Ion Ratio Lower Upper
122 100
105 12.5 123.5 163.5#
77 67.7 85.7 125.7#





#35

Caprolactam

Concen: 2.70 ng

RT: 11.89 min Scan# 1464

Delta R.T. -0.00 min

Lab File: BG030984.D

Acq: 13 Nov 2017 22:02

Instrument :

BNA_G

ClientSampleId :

153RD-63RD-ST-DRUM

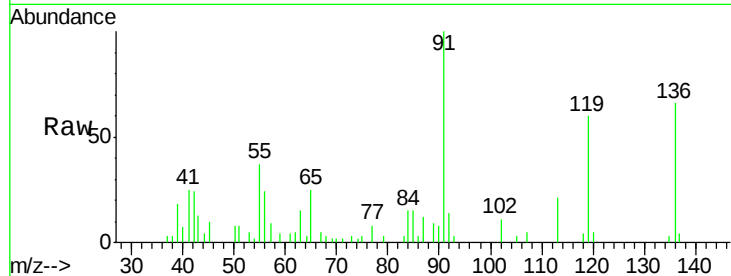
Tgt Ion:113 Resp: 3643

Ion Ratio Lower Upper

113 100

55 173.6 186.9 226.9#

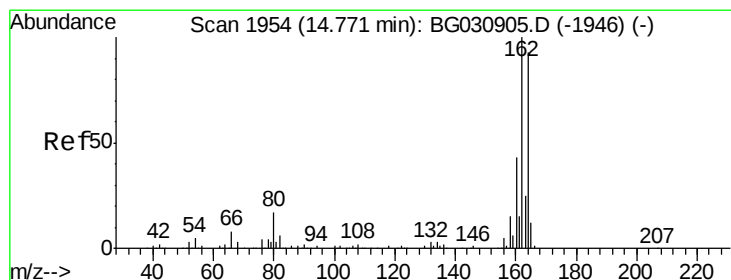
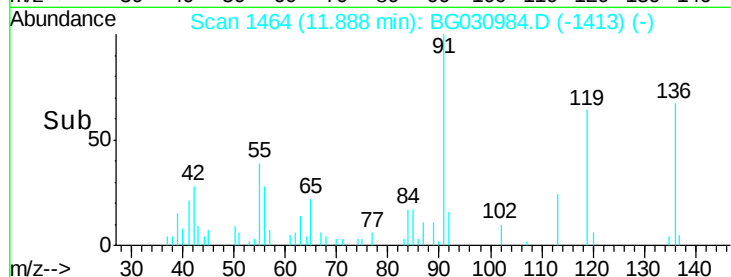
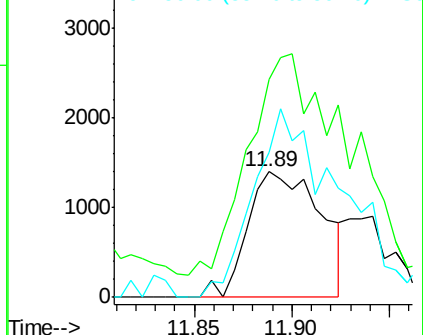
56 115.3 130.9 170.9#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.76 min Scan# 1952

Delta R.T. -0.02 min

Lab File: BG030984.D

Acq: 13 Nov 2017 22:02

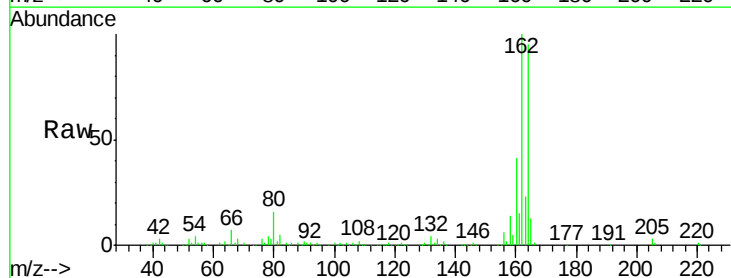
Tgt Ion:164 Resp: 139054

Ion Ratio Lower Upper

164 100

162 105.8 78.8 118.2

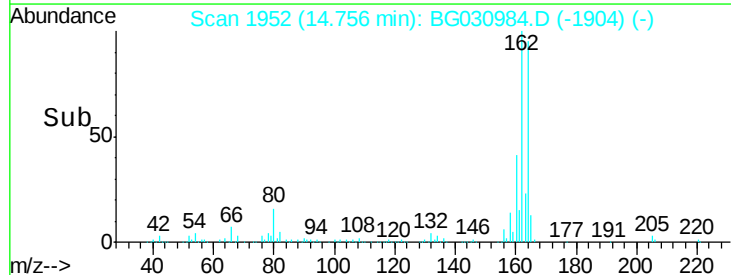
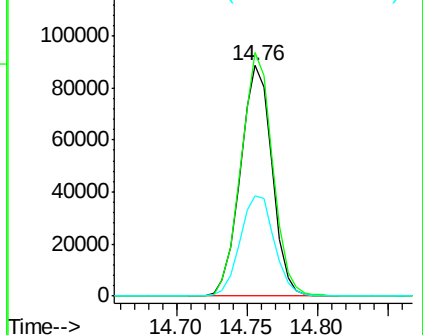
160 43.5 35.4 53.0

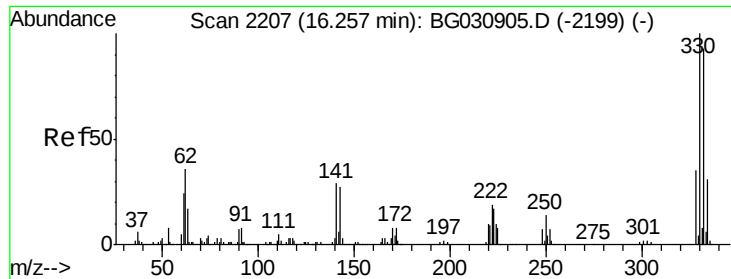


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

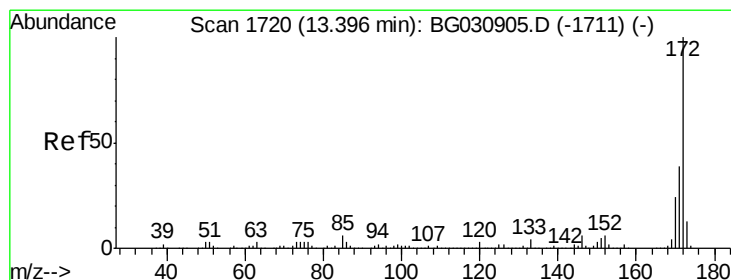
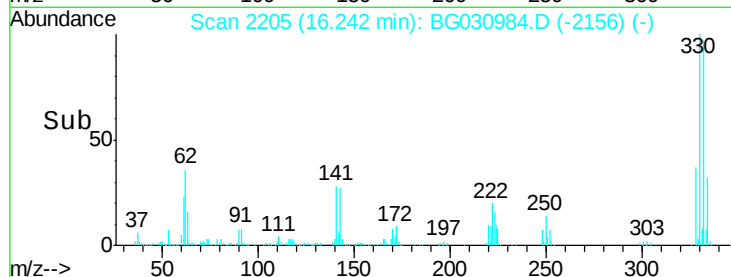
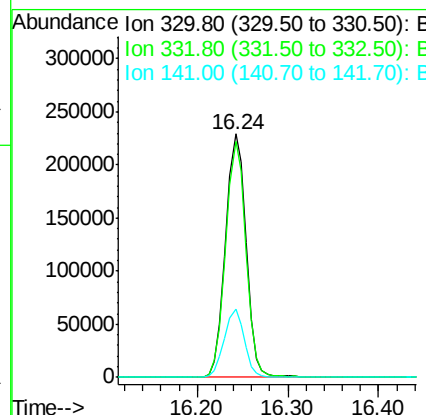
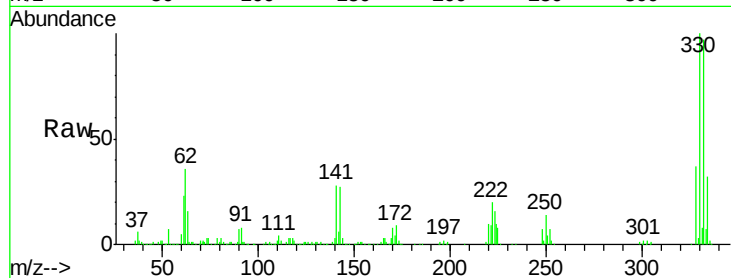




#41
 2,4,6-Tribromophenol
 Concen: 160.89 ng
 RT: 16.24 min Scan# 2205
 Delta R.T. -0.01 min
 Lab File: BG030984.D
 Acq: 13 Nov 2017 22:02

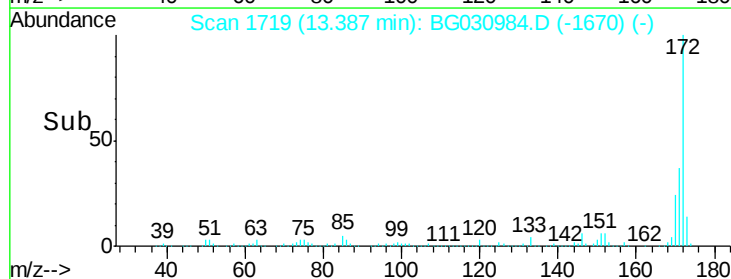
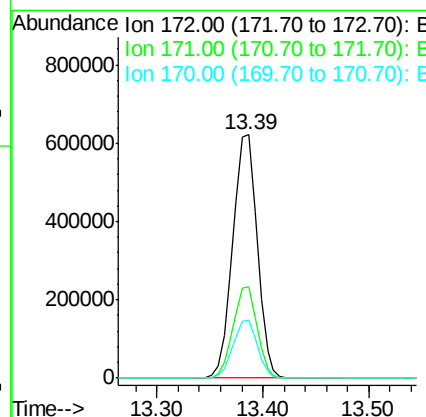
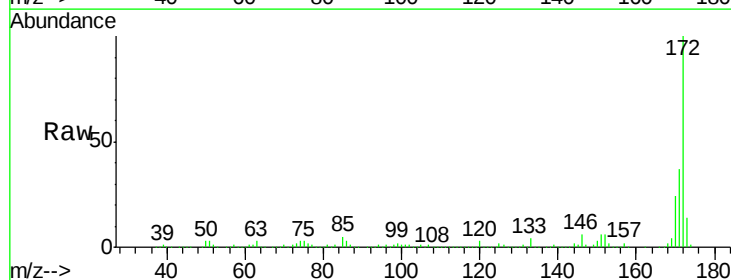
Instrument :
 BNA_G
 ClientSampleId :
 153RD-63RD-ST-DRUM

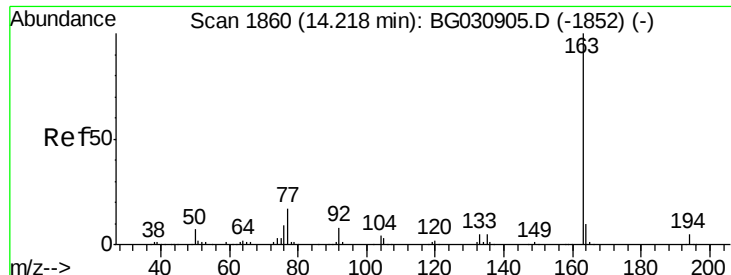
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.0	115.6
141	27.4	25.2	37.8



#44
 2-Fluorobiphenyl
 Concen: 102.67 ng
 RT: 13.39 min Scan# 1719
 Delta R.T. -0.01 min
 Lab File: BG030984.D
 Acq: 13 Nov 2017 22:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	30.0	45.0
170	23.9	19.5	29.3





#49

Dimethylphthalate

Concen: 10.32 ng

RT: 14.20 min Scan# 1857

Delta R.T. -0.02 min

Lab File: BG030984.D

Acq: 13 Nov 2017 22:02

Instrument :

BNA_G

ClientSampleId :

153RD-63RD-ST-DRUM

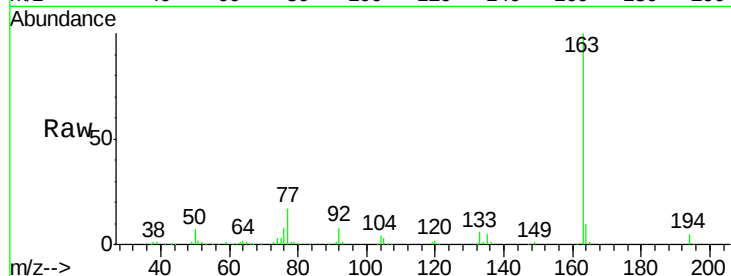
Tgt Ion:163 Resp: 124051

Ion Ratio Lower Upper

163 100

194 4.6 3.4 5.2

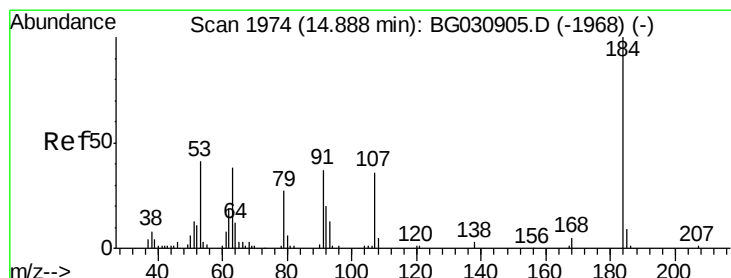
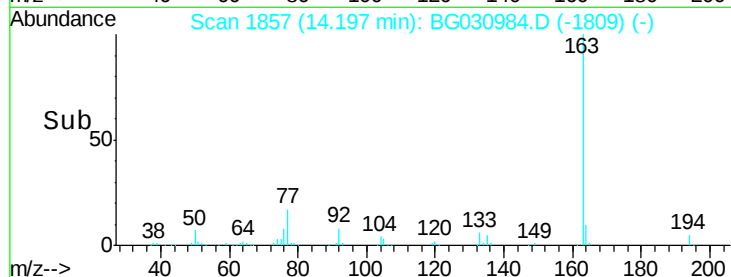
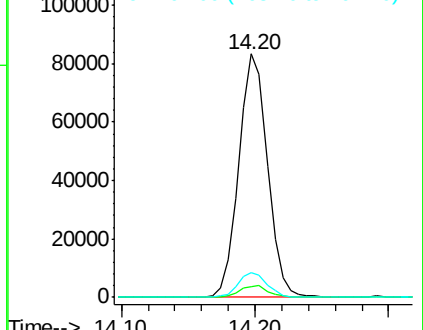
164 10.1 8.2 12.4



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: 5.91 ng

RT: 14.68 min Scan# 1939

Delta R.T. -0.20 min

Lab File: BG030984.D

Acq: 13 Nov 2017 22:02

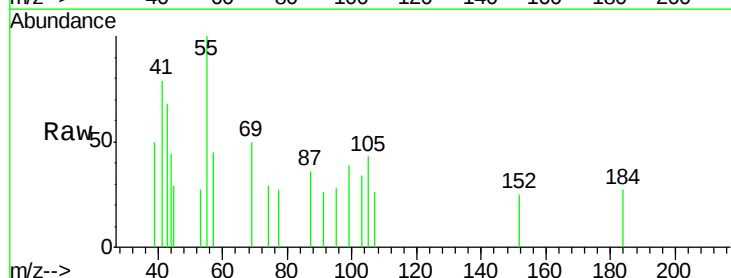
Tgt Ion:184 Resp: 60

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

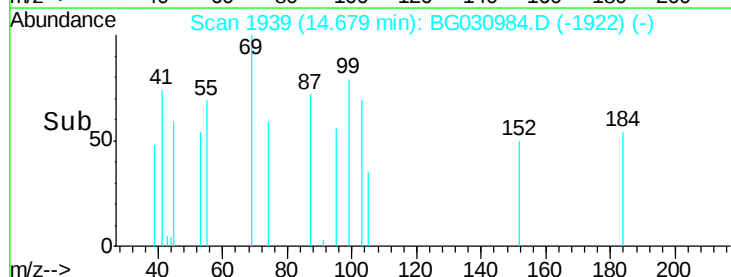
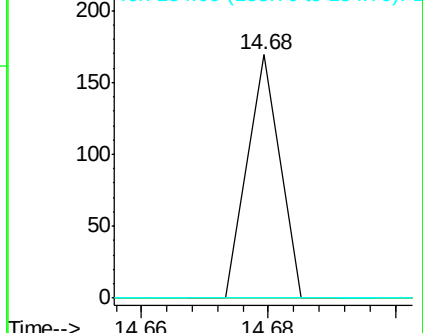
154 0.0 101.8 152.8#

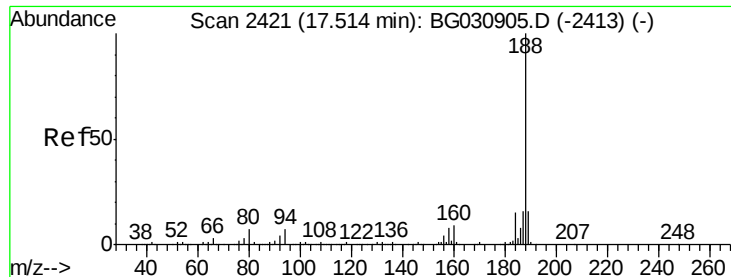


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E

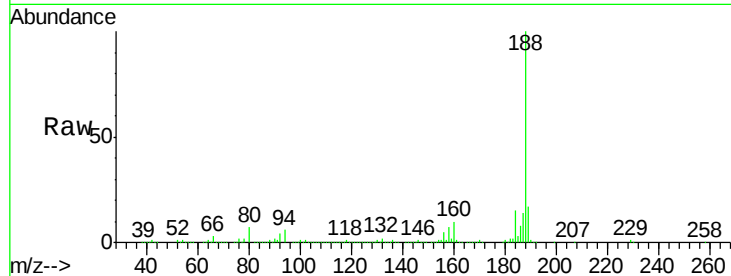




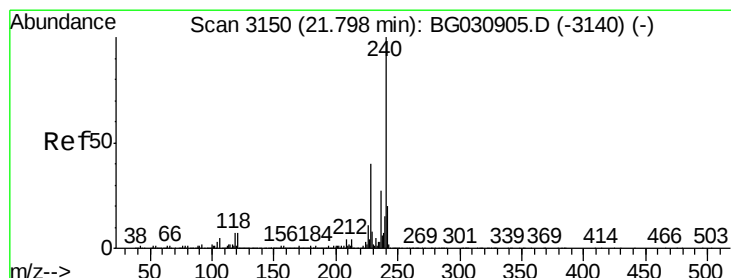
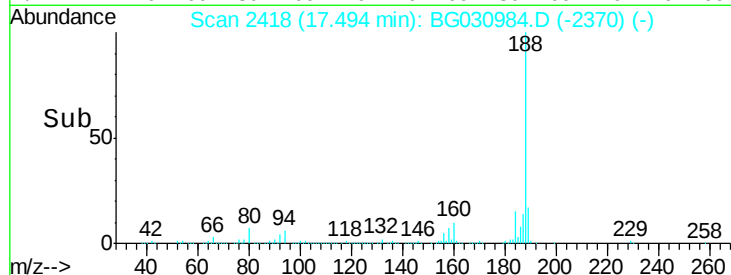
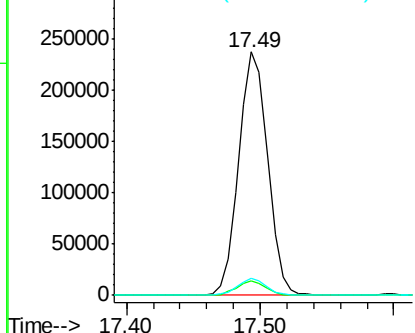
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.49 min Scan# 2418
Delta R.T. -0.02 min
Lab File: BG030984.D
Acq: 13 Nov 2017 22:02

Instrument :
BNA_G
ClientSampleId :
153RD-63RD-ST-DRUM

Tgt Ion:188 Resp: 356585
Ion Ratio Lower Upper
188 100
94 5.9 6.9 10.3#
80 6.7 7.7 11.5#

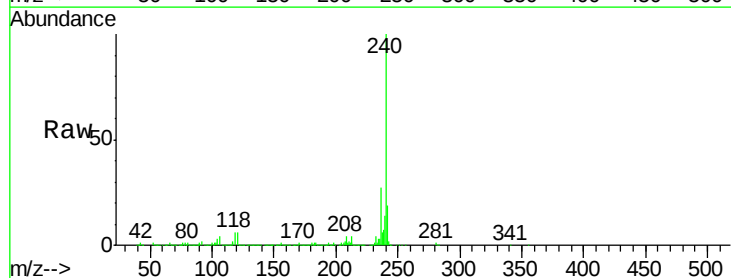


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

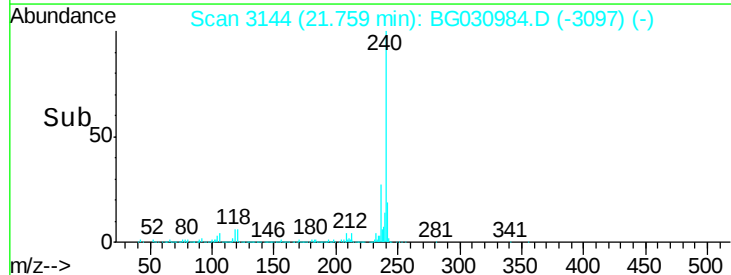
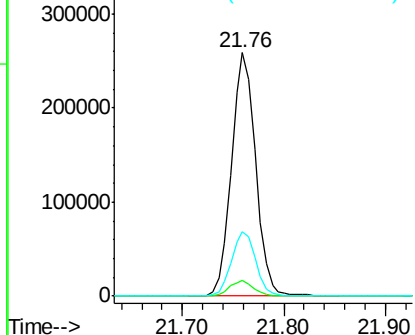


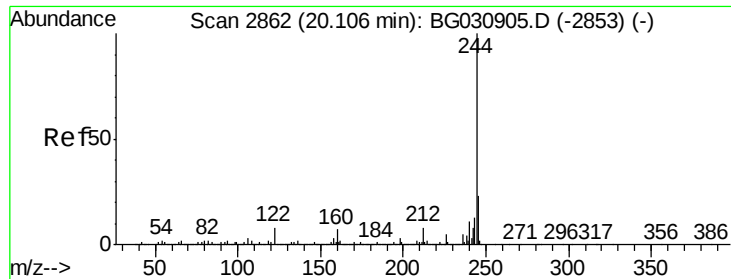
#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.76 min Scan# 3144
Delta R.T. -0.02 min
Lab File: BG030984.D
Acq: 13 Nov 2017 22:02

Tgt Ion:240 Resp: 428256
Ion Ratio Lower Upper
240 100
120 6.5 6.8 10.2#
236 26.5 20.9 31.3



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





#78

Terphenyl-d14

Concen: 90.04 ng

RT: 20.08 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BG030984.D

Acq: 13 Nov 2017 22:02

Instrument :

BNA_G

ClientSampleId :

153RD-63RD-ST-DRUM

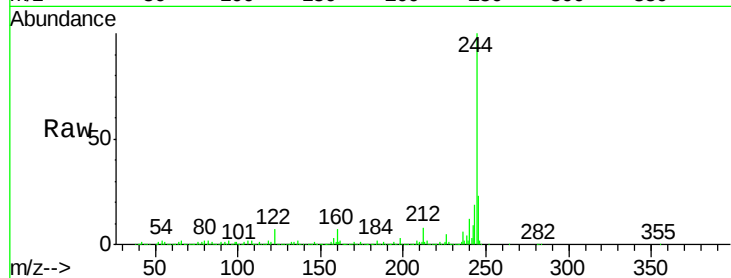
Tgt Ion:244 Resp: 1746386

Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

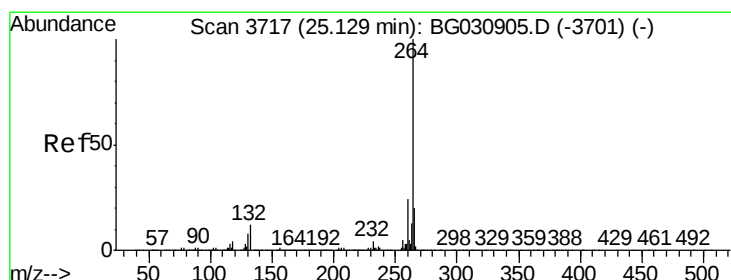
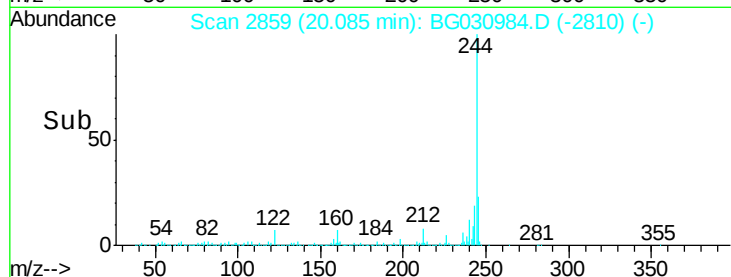
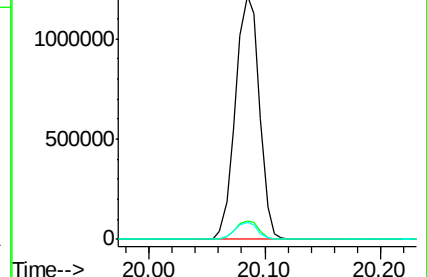
122 7.2 7.0 10.4



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.05 min Scan# 3704

Delta R.T. -0.04 min

Lab File: BG030984.D

Acq: 13 Nov 2017 22:02

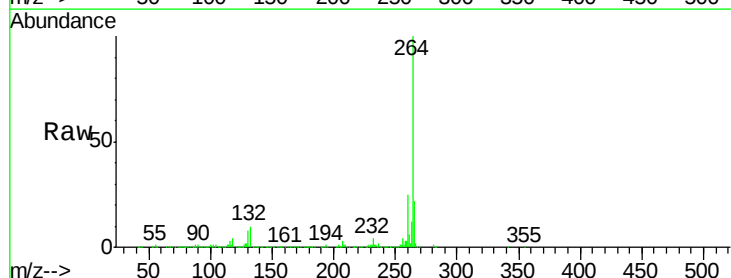
Tgt Ion:264 Resp: 444570

Ion Ratio Lower Upper

264 100

260 24.6 17.4 26.0

265 21.8 17.7 26.5



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

