

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010318\
 Data File : BG031907.D
 Acq On : 4 Jan 2018 2:00
 Operator : SJ/JU
 Sample : J1005-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 04 08:13:17 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 29 15:51:46 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.79	152	58989	20.00	ng	0.00
21) Naphthalene-d8	11.67	136	236694	20.00	ng	-0.01
38) Acenaphthene-d10	15.42	164	161520	20.00	ng	-0.01
63) Phenanthrene-d10	18.15	188	393729	20.00	ng	-0.01
75) Chrysene-d12	22.49	240	438377	20.00	ng	-0.02
86) Perylene-d12	26.23	264	427471	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.21	112	424900	131.20	ng	0.00
7) Phenol-d6	7.90	99	498221	118.49	ng	0.00
23) Nitrobenzene-d5	9.99	82	349743	111.58	ng	0.00
41) 2,4,6-Tribromophenol	16.89	330	372386	151.10	ng	0.00
44) 2-Fluorobiphenyl	14.05	172	1228361	95.45	ng	0.00
78) Terphenyl-d14	20.68	244	1967993	102.56	ng	-0.01

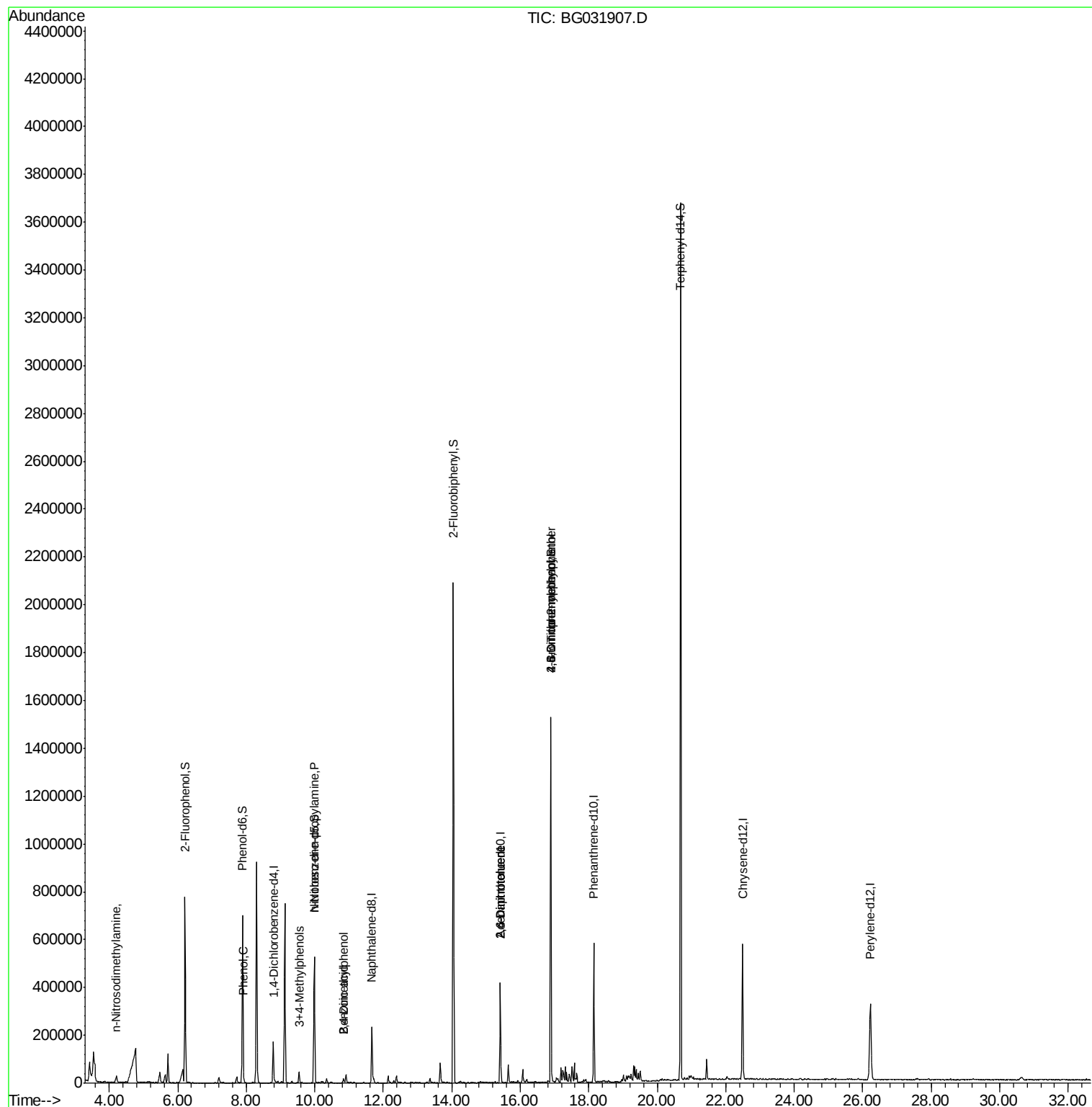
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	4.20	42	2724	2.104	ng	# 8
10) Phenol	7.92	94	16992	4.003	ng	# 92
19) n-Nitroso-di-n-propylamine	9.98	70	46756	16.282	ng	# 71
20) 3+4-Methylphenols	9.55	107	27235	6.309	ng	# 85
27) 2,4-Dimethylphenol	10.83	122	8582	2.408	ng	# 1
32) Benzoic acid	10.83	122	8582	9.733	ng	# 77
50) 2,6-Dinitrotoluene	15.42	165	21047	8.040	ng	# 19
56) 2,4-Dinitrotoluene	15.42	165	21047	6.253	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.89	198	962	8.721	ng	# 67
66) 4-Bromophenyl-phenylether	16.89	248	29509	5.183	ng	# 1

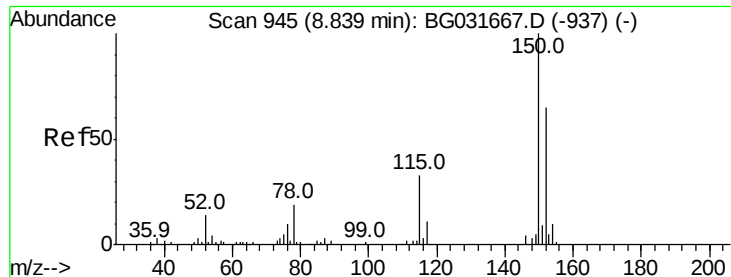
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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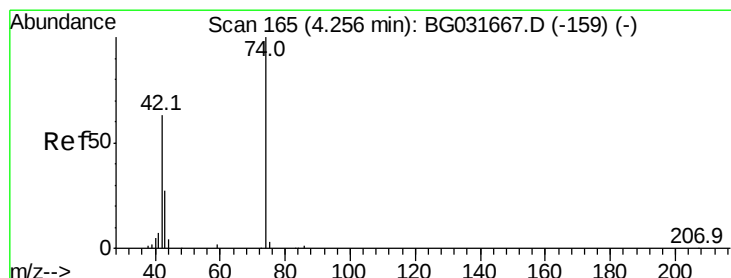
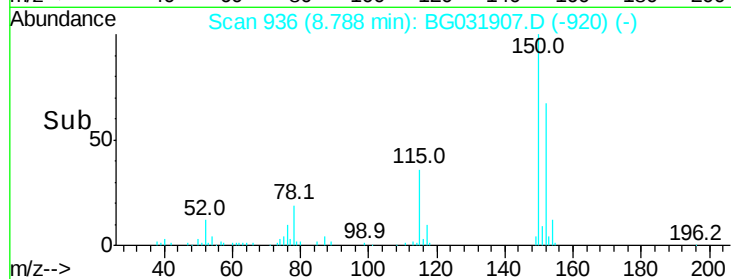
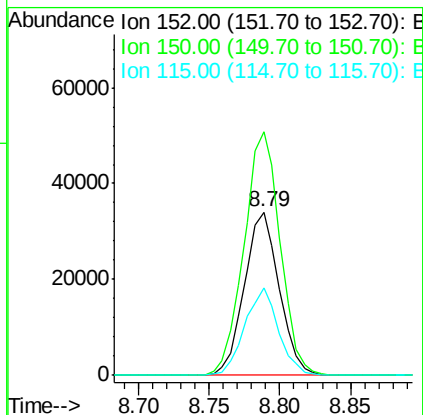
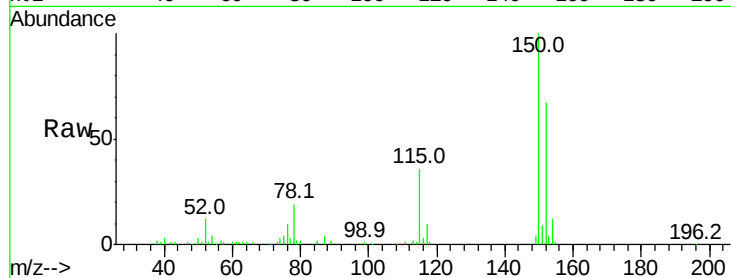


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.79 min Scan# 936
Delta R.T. -0.00 min
Lab File: BG031907.D
Acq: 4 Jan 2018 2:00

Instrument :
BNA_G
ClientSampleId :

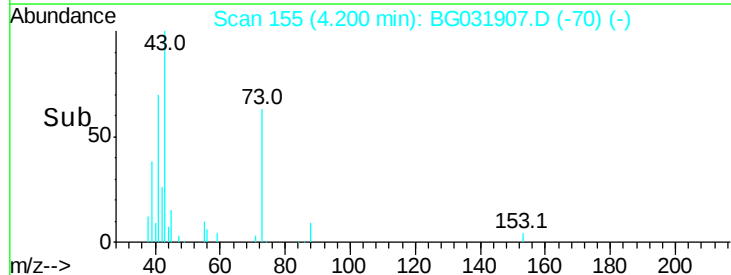
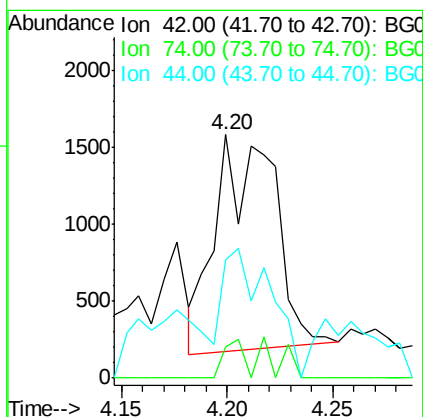
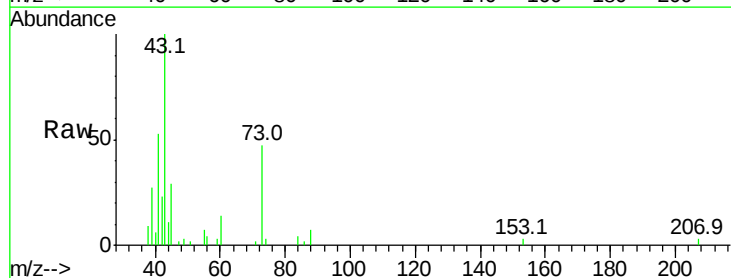
Tot Ion:152 Resp: 58989
Ion Ratio Lower Upper
152 100
150 149.0 126.6 189.8
115 53.5 53.0 79.4

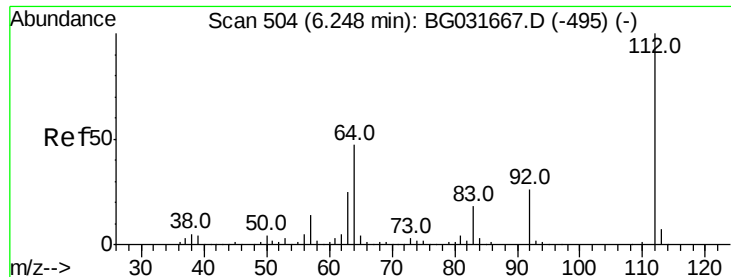


#4

n-Nitrosodimethylamine
Concen: 2.104 ng
RT: 4.20 min Scan# 155
Delta R.T. -0.03 min
Lab File: BG031907.D
Acq: 4 Jan 2018 2:00

Tgt Ion: 42 Resp: 2724
Ion Ratio Lower Upper
42 100
74 12.6 102.5 153.7#
44 48.7 18.9 28.3#





#5

2-Fluorophenol

Concen: 131.195 ng

RT: 6.21 min Scan# 498

Delta R.T. 0.00 min

Lab File: BG031907.D

Acq: 4 Jan 2018 2:00

Instrument :

BNA_G

ClientSampleId :

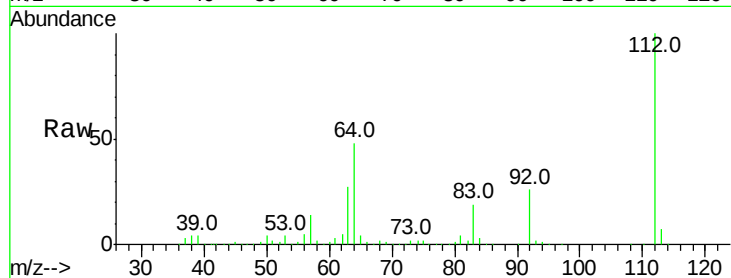
Tot Ion:112 Resp: 424900

Ion Ratio Lower Upper

112 100

64 48.5 56.3 84.5#

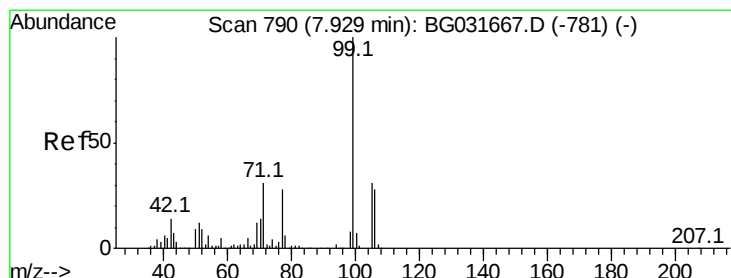
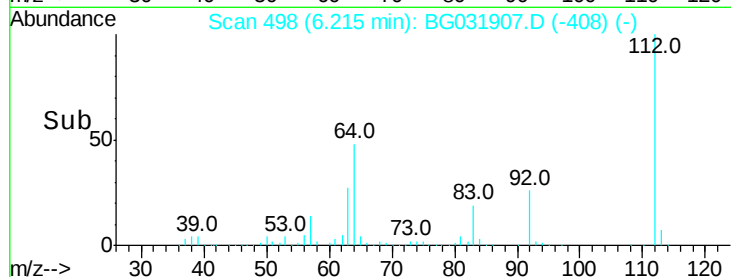
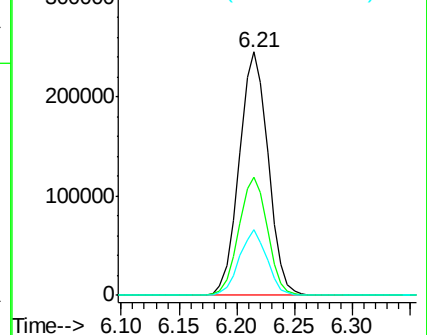
63 27.0 30.1 45.1#



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 118.486 ng

RT: 7.90 min Scan# 784

Delta R.T. 0.00 min

Lab File: BG031907.D

Acq: 4 Jan 2018 2:00

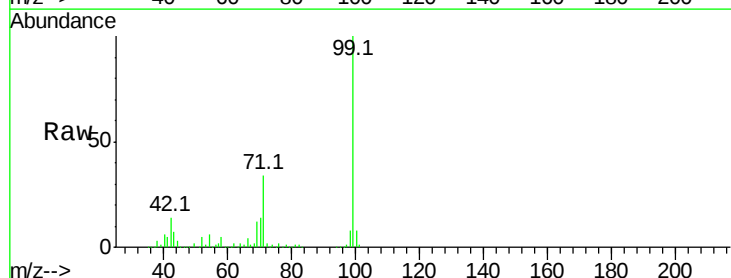
Tgt Ion: 99 Resp: 498221

Ion Ratio Lower Upper

99 100

42 14.0 14.1 21.1#

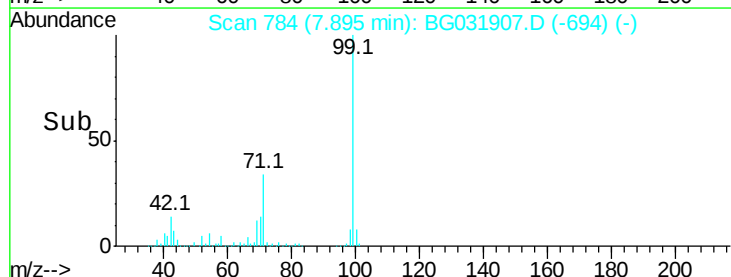
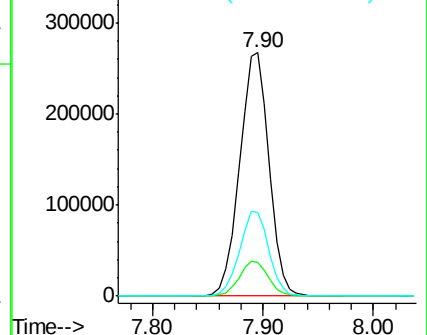
71 34.4 26.1 39.1

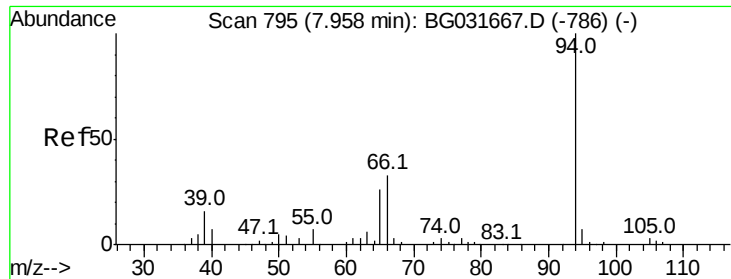


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 4.003 ng

RT: 7.92 min Scan# 788

Delta R.T. -0.00 min

Lab File: BG031907.D

Acq: 4 Jan 2018 2:00

Instrument :

BNA_G

ClientSampleId :

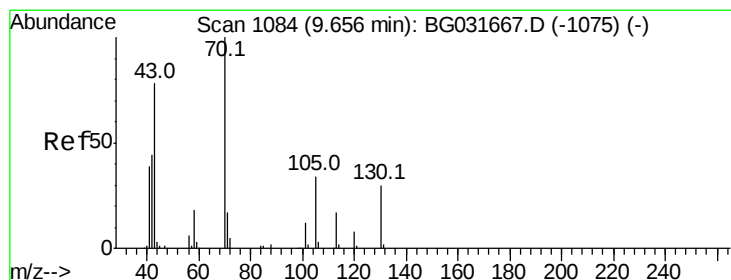
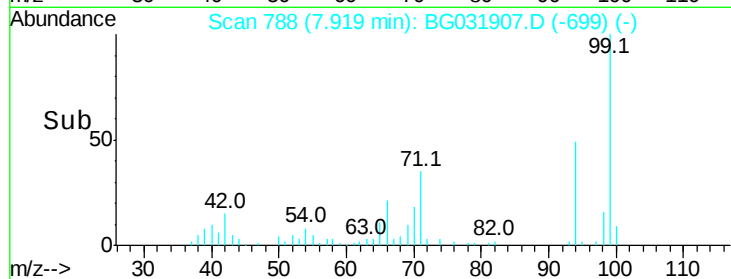
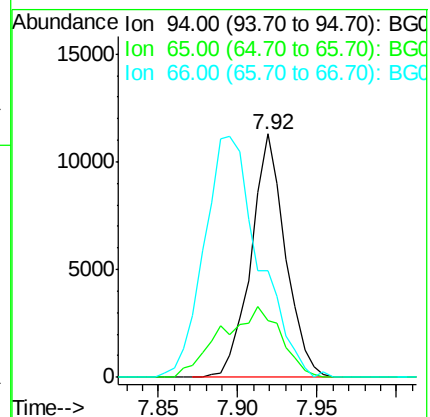
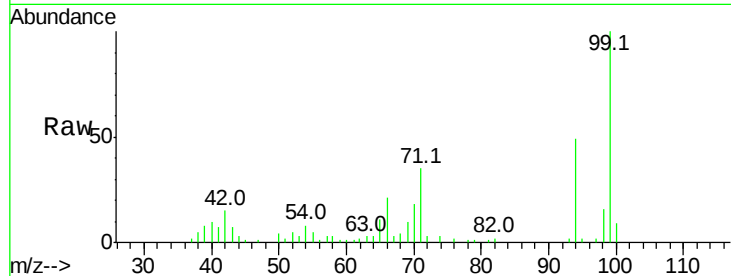
Tot Ion: 94 Resp: 16992

Ion Ratio Lower Upper

94 100

65 23.5 11.9 51.9

66 43.6 22.2 62.2



#19

n-Nitroso-di-n-propylamine

Concen: 16.282 ng

RT: 9.98 min Scan# 1139

Delta R.T. 0.38 min

Lab File: BG031907.D

Acq: 4 Jan 2018 2:00

Tgt Ion: 70 Resp: 46756

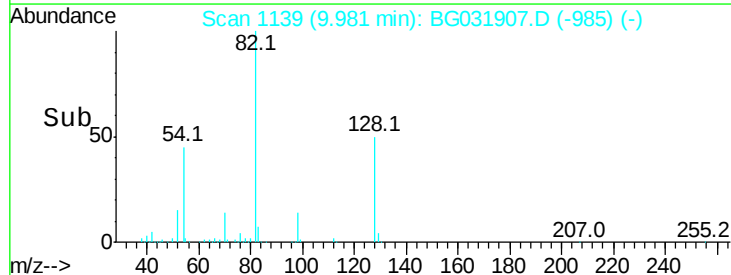
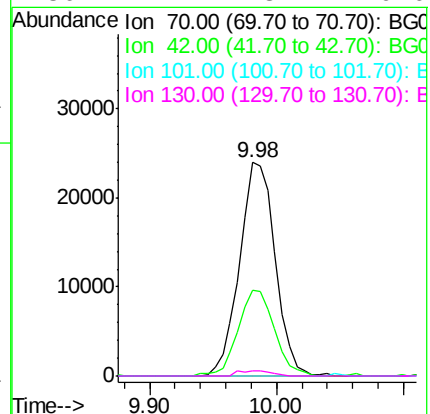
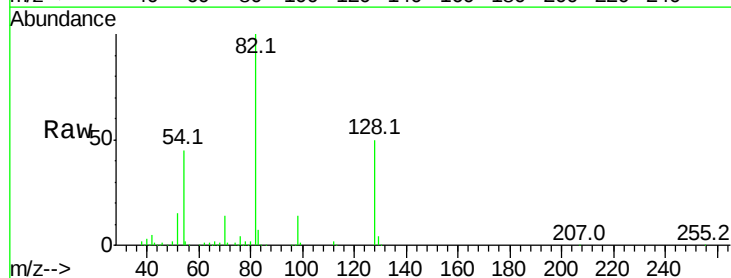
Ion Ratio Lower Upper

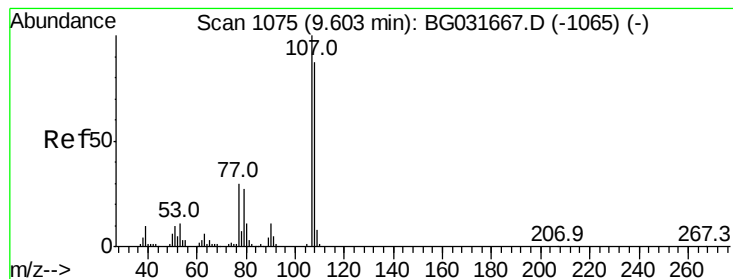
70 100

42 40.0 49.1 73.7#

101 0.0 8.5 12.7#

130 2.2 13.4 20.0#





#20

3+4-Methylphenols

Concen: 6.309 ng

RT: 9.55 min Scan# 1065

Delta R.T. -0.01 min

Lab File: BG031907.D

Acq: 4 Jan 2018 2:00

Instrument :

BNA_G

ClientSampleId :

Tot Ion:107 Resp: 27235

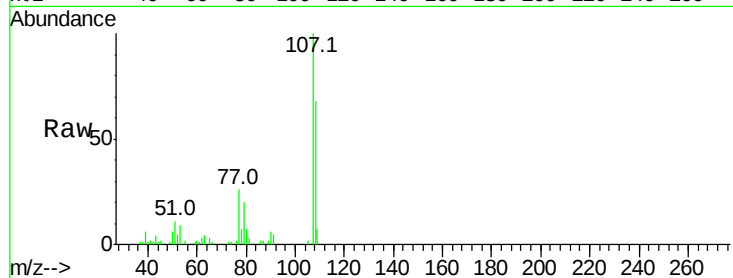
Ion Ratio Lower Upper

107 100

108 68.1 61.6 101.6

77 25.6 13.9 53.9

79 19.7 8.8 48.8

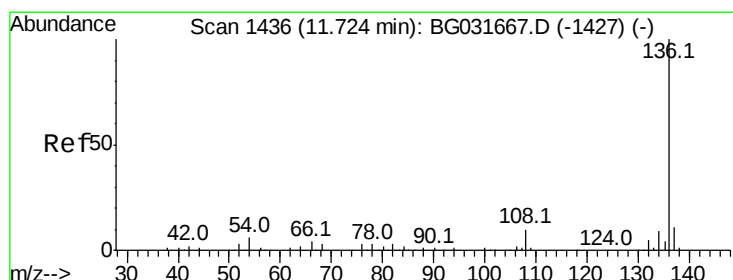
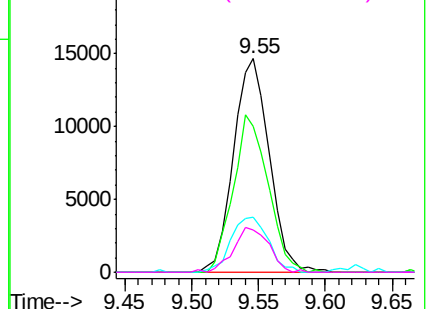
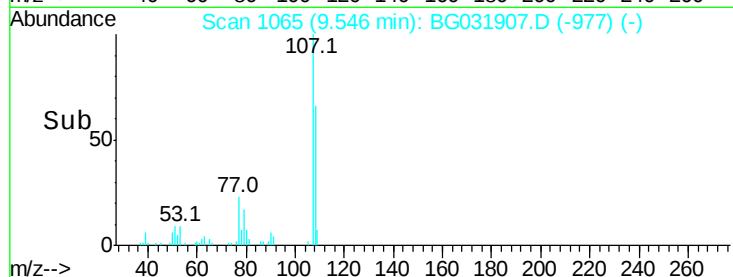


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.67 min Scan# 1426

Delta R.T. -0.01 min

Lab File: BG031907.D

Acq: 4 Jan 2018 2:00

Tgt Ion:136 Resp: 236694

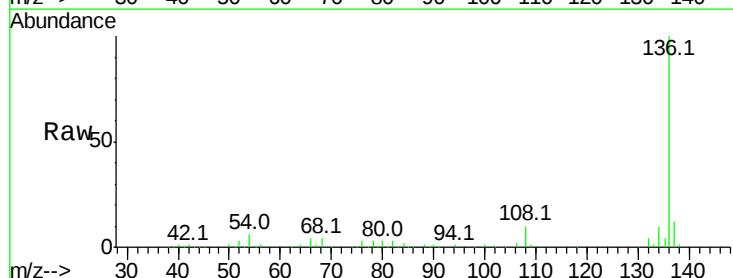
Ion Ratio Lower Upper

136 100

137 12.3 9.2 13.8

54 5.7 10.3 15.5#

68 4.0 4.5 6.7#

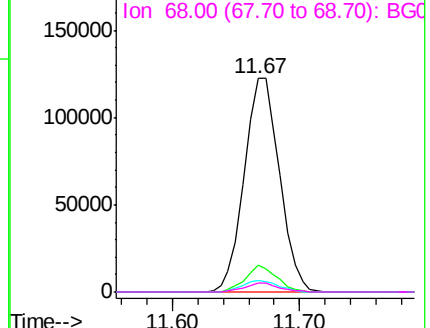
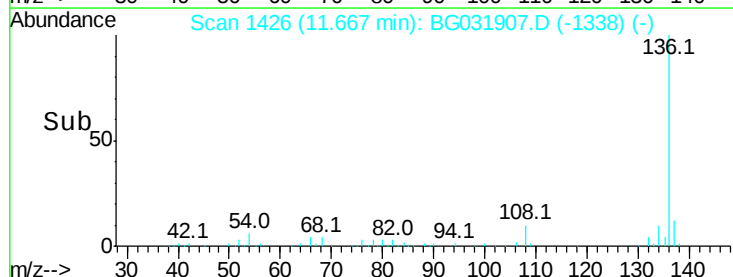


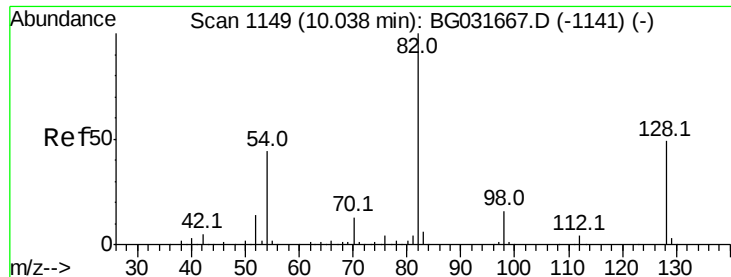
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BG

Ion 68.00 (67.70 to 68.70): BG

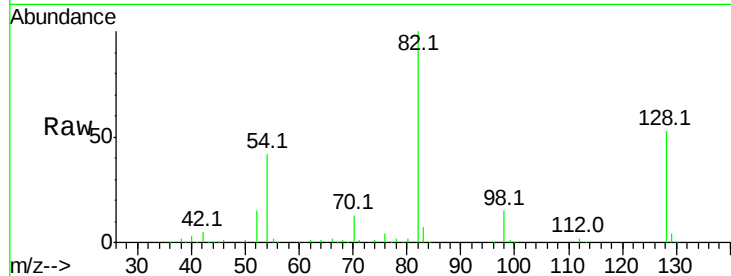




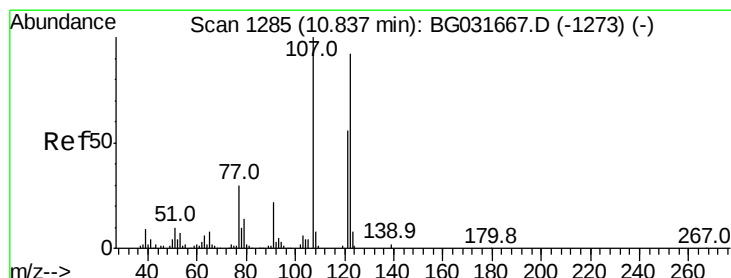
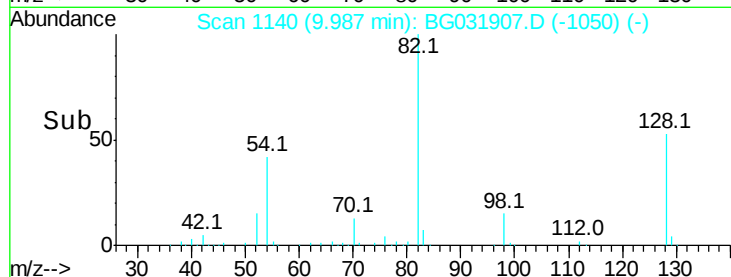
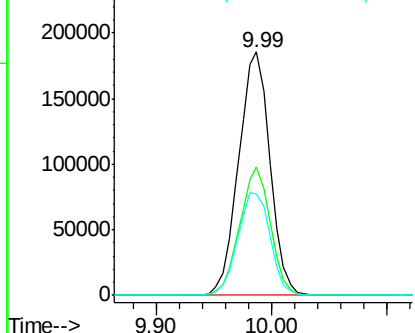
#23
 Nitrobenzene-d5
 Concen: 111.578 ng
 RT: 9.99 min Scan# 1140
 Delta R.T. 0.00 min
 Lab File: BG031907.D
 Acq: 4 Jan 2018 2:00

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	52.6	29.7	44.5#
54	41.7	43.1	64.7#

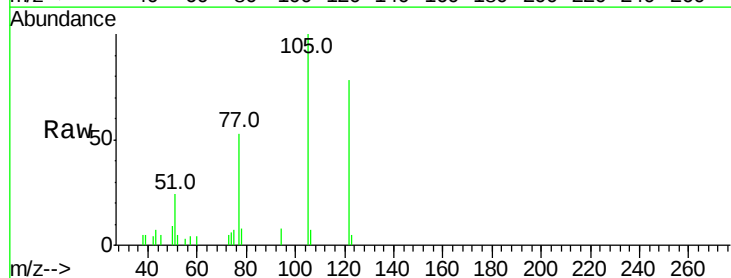


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

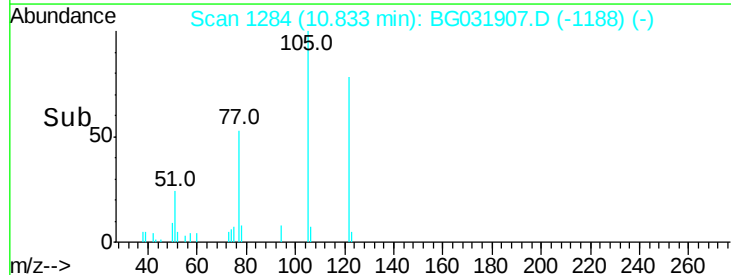
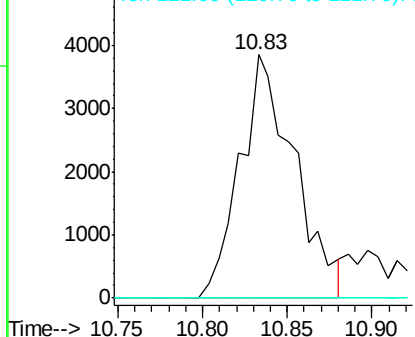


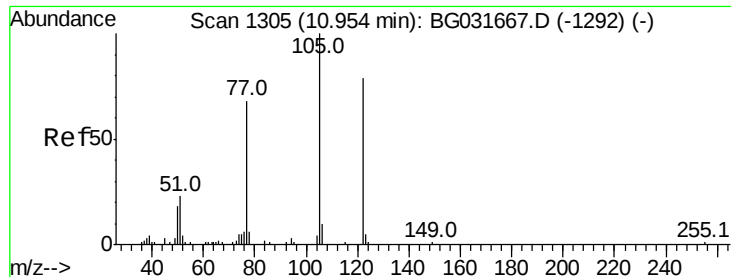
#27
 2,4-Dimethylphenol
 Concen: 2.408 ng
 RT: 10.83 min Scan# 1284
 Delta R.T. 0.04 min
 Lab File: BG031907.D
 Acq: 4 Jan 2018 2:00

Tgt Ion	Ratio	Lower	Upper
122	100		
107	0.0	100.2	150.2#
121	0.0	44.4	66.6#



Abundance Ion 122.00 (121.70 to 122.70): BGC
 Ion 107.00 (106.70 to 107.70): BGC
 Ion 121.00 (120.70 to 121.70): BGC





#32

Benzoic acid

Concen: 9.733 ng

RT: 10.83 min Scan# 1284

Delta R.T. -0.07 min

Lab File: BG031907.D

Acq: 4 Jan 2018 2:00

Instrument :

BNA_G

ClientSampleId :

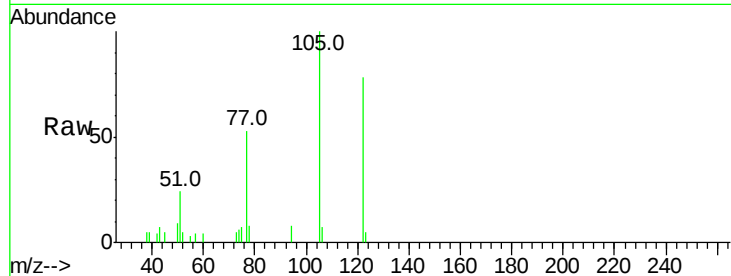
Tot Ion:122 Resp: 8582

Ion Ratio Lower Upper

122 100

105 128.3 123.5 163.5

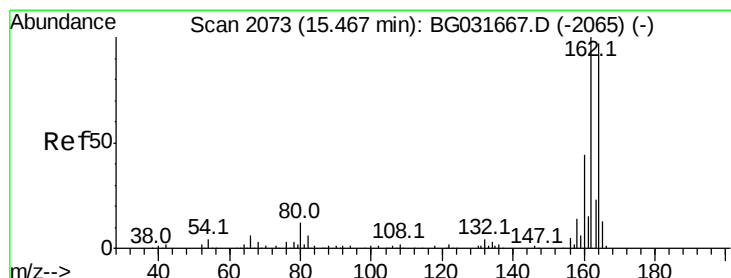
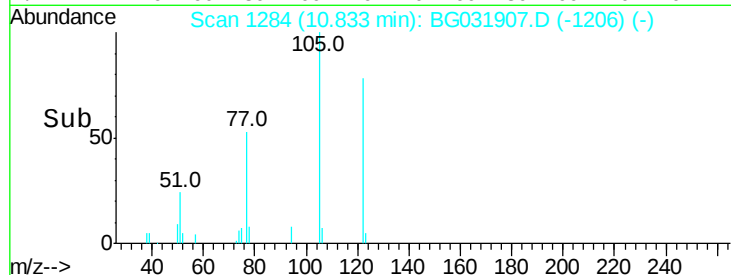
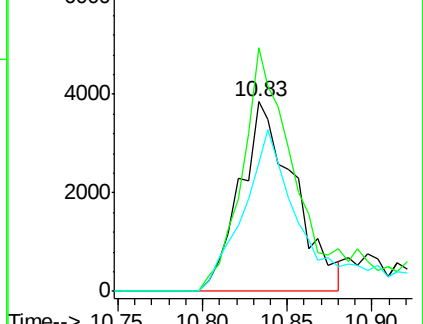
77 67.7 85.7 125.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.42 min Scan# 2064

Delta R.T. -0.01 min

Lab File: BG031907.D

Acq: 4 Jan 2018 2:00

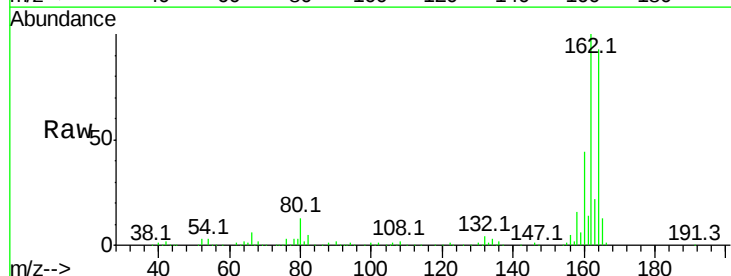
Tgt Ion:164 Resp: 161520

Ion Ratio Lower Upper

164 100

162 107.0 78.8 118.2

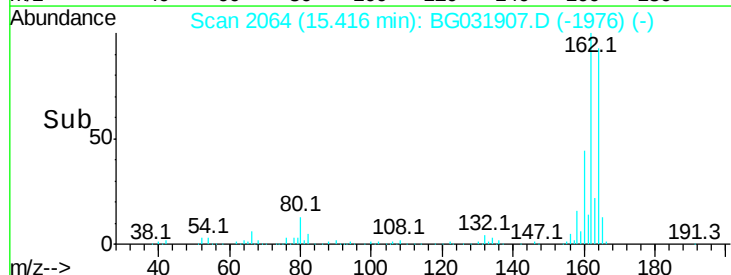
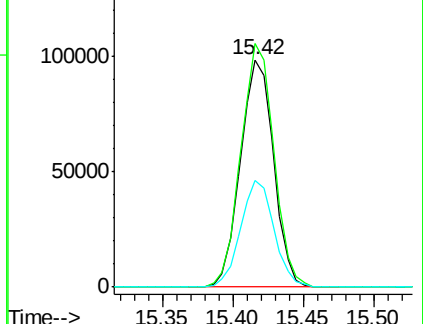
160 46.7 35.4 53.0

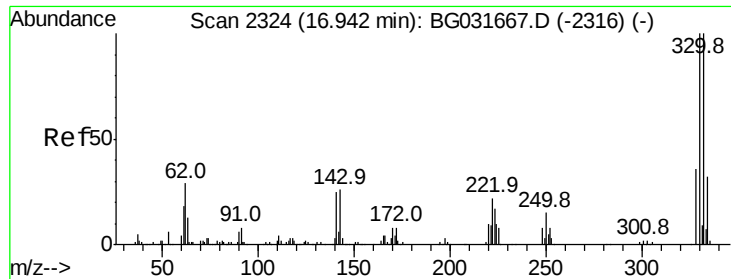


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 151.096 ng

RT: 16.89 min Scan# 2315

Delta R.T. -0.00 min

Lab File: BG031907.D

Acq: 4 Jan 2018 2:00

Instrument :

BNA_G

ClientSampleId :

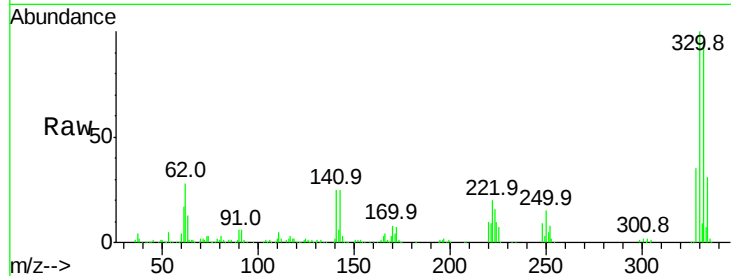
Tot Ion:330 Resp: 372386

Ion Ratio Lower Upper

330 100

332 96.2 77.0 115.6

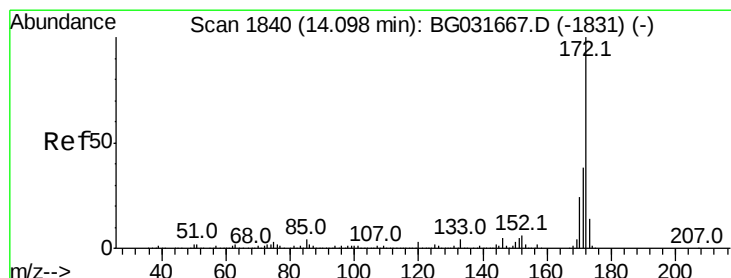
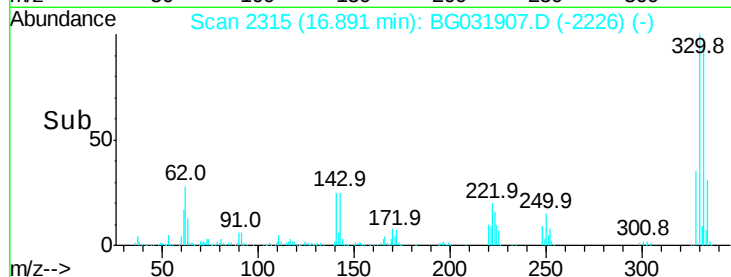
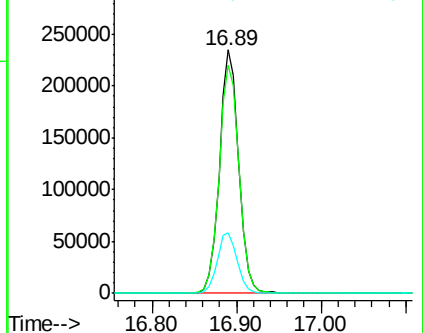
141 26.1 25.2 37.8



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: 95.453 ng

RT: 14.05 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BG031907.D

Acq: 4 Jan 2018 2:00

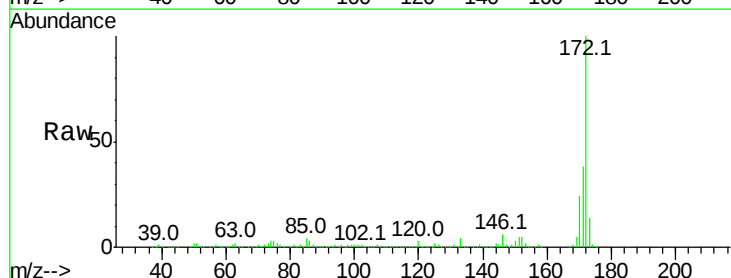
Tgt Ion:172 Resp: 1228361

Ion Ratio Lower Upper

172 100

171 38.3 30.0 45.0

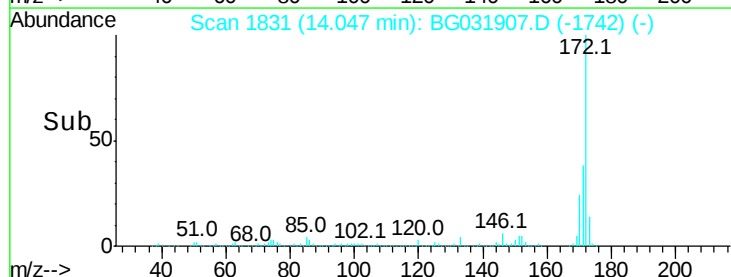
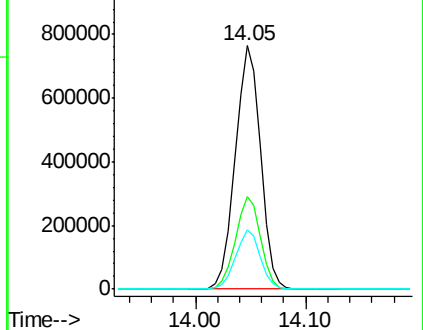
170 24.2 19.5 29.3

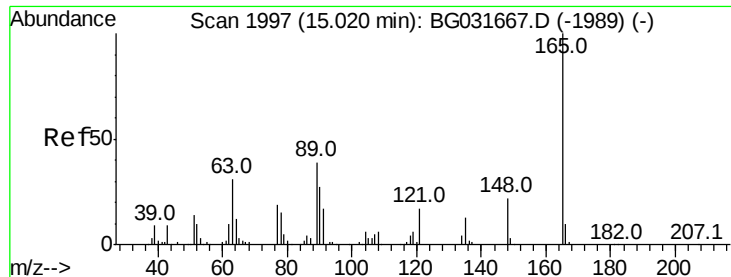


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

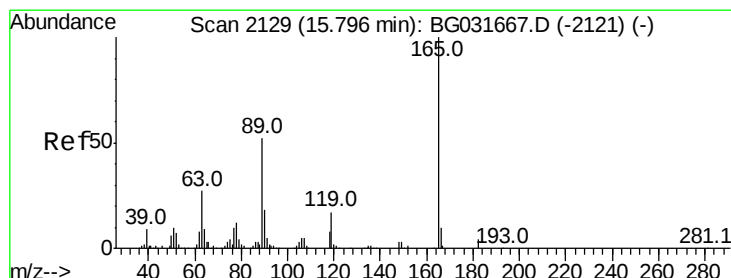
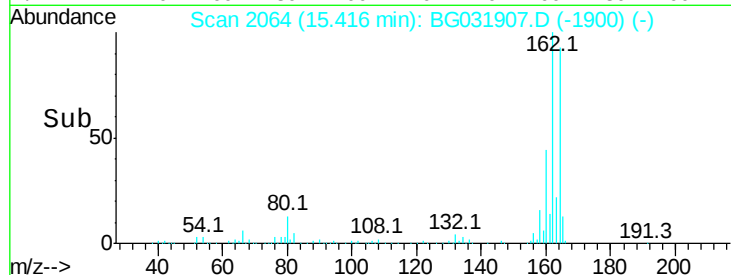
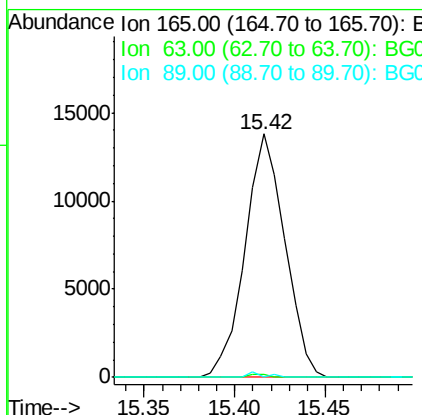
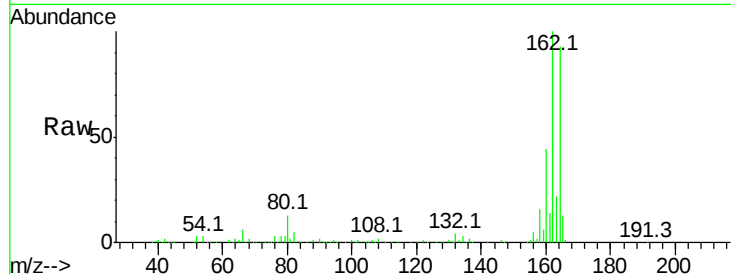




#50
 2,6-Dinitrotoluene
 Concen: 8.040 ng
 RT: 15.42 min Scan# 2064
 Delta R.T. 0.44 min
 Lab File: BG031907.D
 Acq: 4 Jan 2018 2:00

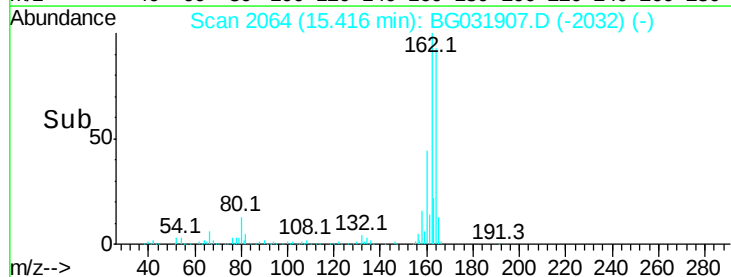
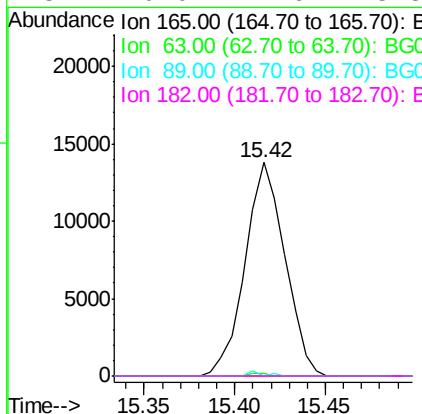
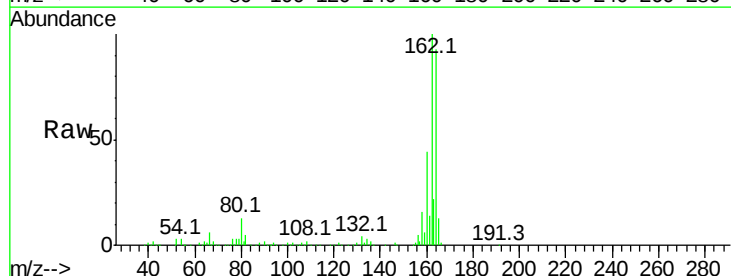
Instrument :
 BNA_G
 ClientSampleId :

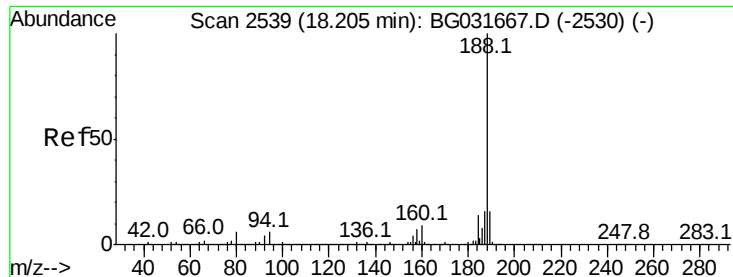
Tot Ion:165 Resp: 21047
 Ion Ratio Lower Upper
 165 100
 63 1.2 52.7 79.1#
 89 0.0 49.2 73.8#



#56
 2,4-Dinitrotoluene
 Concen: 6.253 ng
 RT: 15.42 min Scan# 2064
 Delta R.T. -0.34 min
 Lab File: BG031907.D
 Acq: 4 Jan 2018 2:00

Tgt Ion:165 Resp: 21047
 Ion Ratio Lower Upper
 165 100
 63 1.2 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.15 min Scan# 2529

Delta R.T. -0.01 min

Lab File: BG031907.D

Acq: 4 Jan 2018 2:00

Instrument :

BNA_G

ClientSampleId :

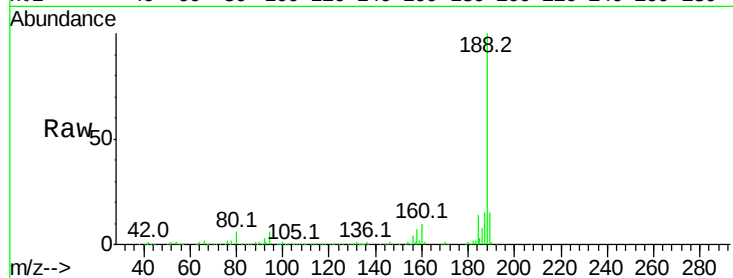
Tot Ion:188 Resp: 393729

Ion Ratio Lower Upper

188 100

94 5.5 6.9 10.3#

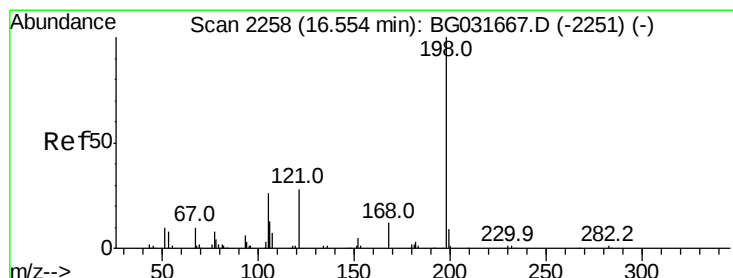
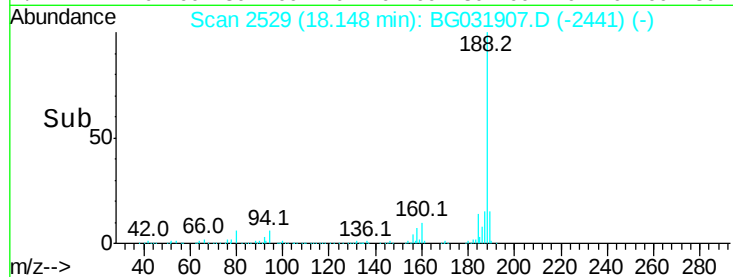
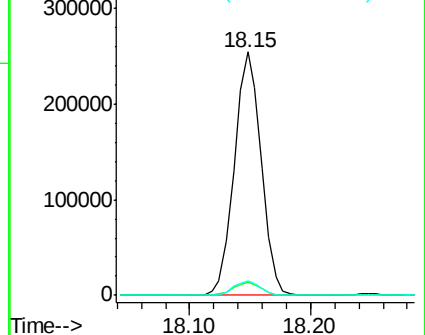
80 6.0 7.7 11.5#



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



#64

4,6-Dinitro-2-methylphenol

Concen: 8.721 ng

RT: 16.89 min Scan# 2315

Delta R.T. 0.38 min

Lab File: BG031907.D

Acq: 4 Jan 2018 2:00

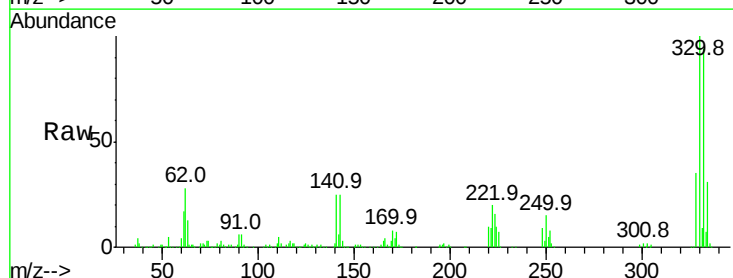
Tgt Ion:198 Resp: 962

Ion Ratio Lower Upper

198 100

51 64.7 30.6 70.6

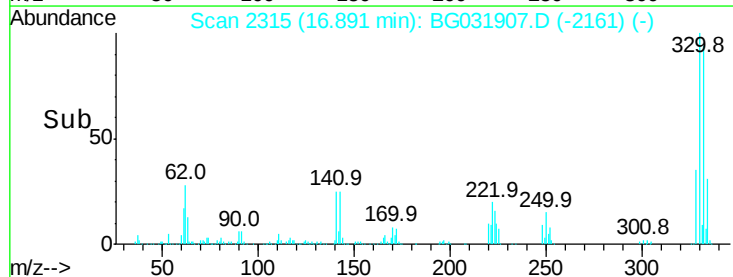
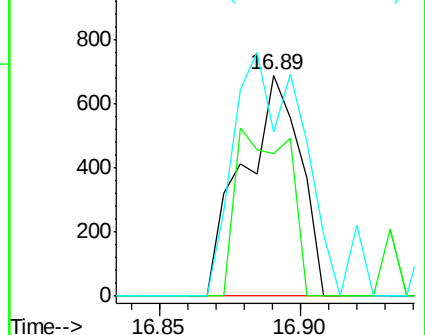
105 74.2 23.8 63.8#

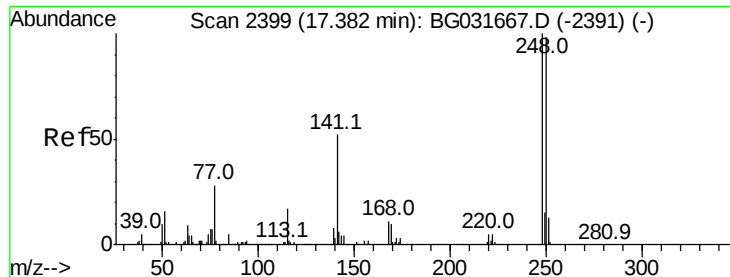


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

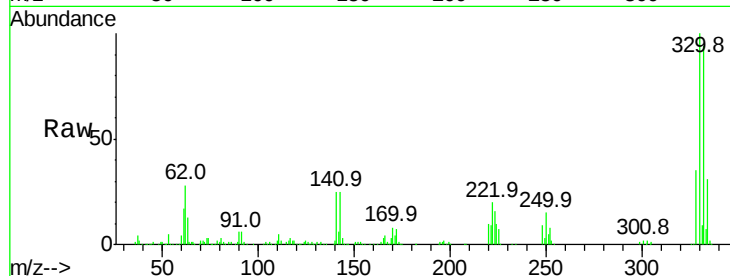




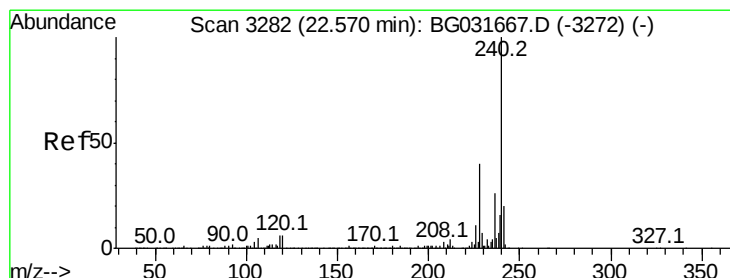
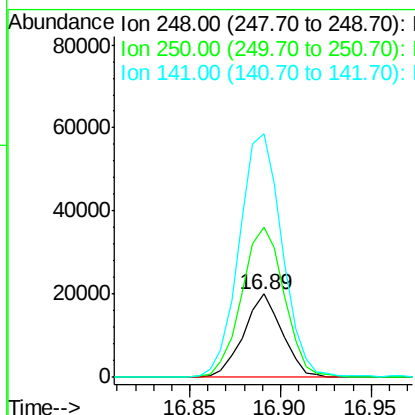
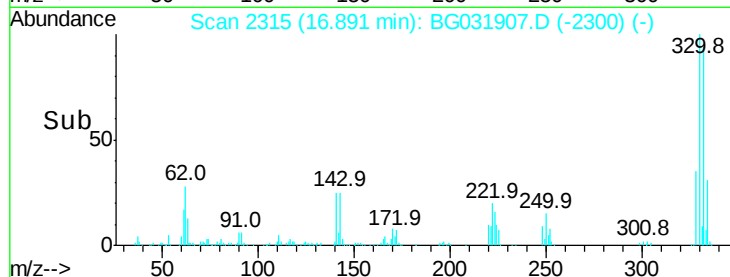
#66
4-Bromophenyl-phenylether
Concen: 5.183 ng
RT: 16.89 min Scan# 2315
Delta R.T. -0.44 min
Lab File: BG031907.D
Acq: 4 Jan 2018 2:00

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	180.8	77.1	115.7#
141	292.2	50.8	76.2#

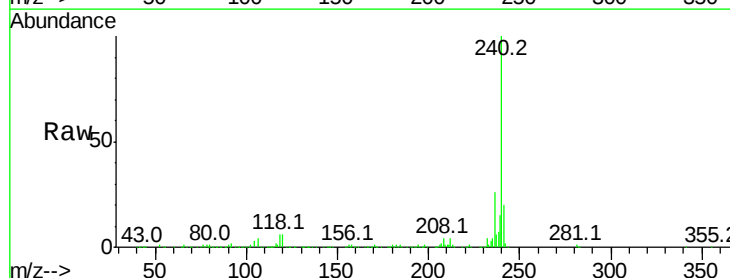


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

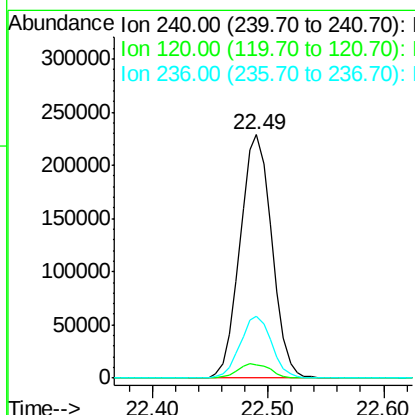
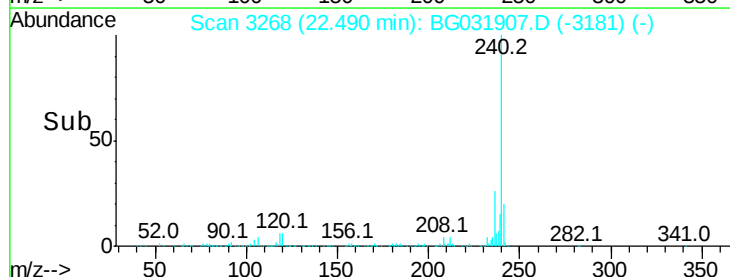


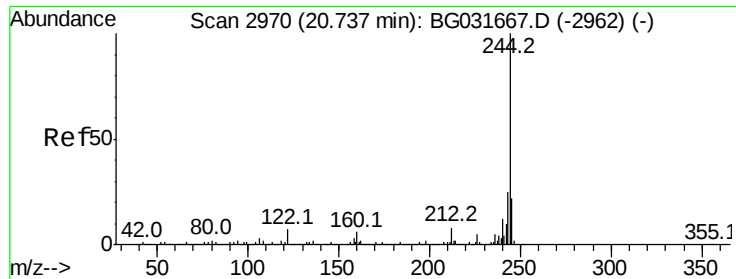
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.49 min Scan# 3268
Delta R.T. -0.02 min
Lab File: BG031907.D
Acq: 4 Jan 2018 2:00

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.7	6.8	10.2#
236	25.7	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

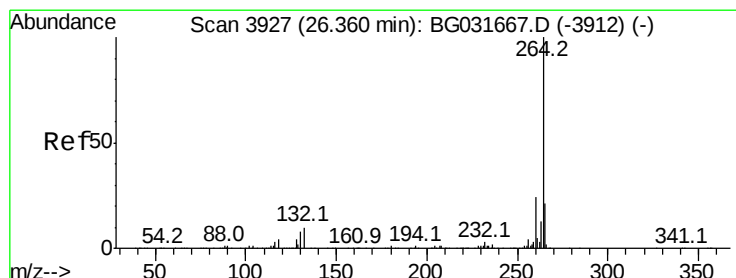
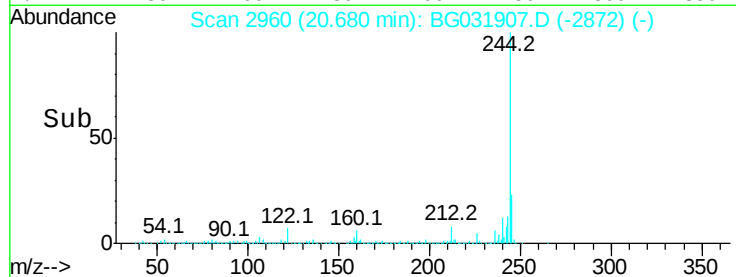
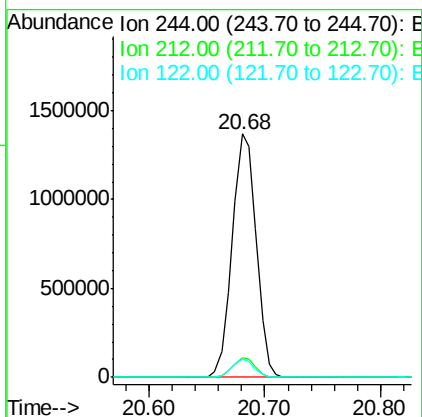
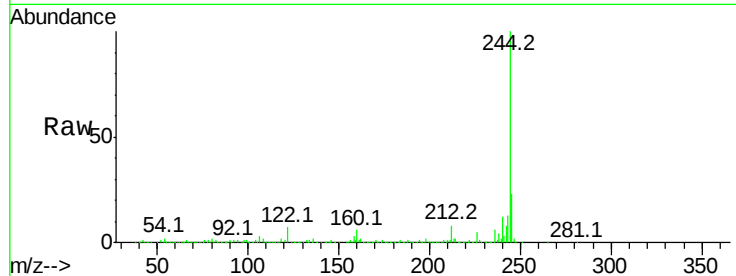




#78
 Terphenyl-d14
 Concen: 102.564 ng
 RT: 20.68 min Scan# 2960
 Delta R.T. -0.01 min
 Lab File: BG031907.D
 Acq: 4 Jan 2018 2:00

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1967993
 Ion Ratio Lower Upper
 244 100
 212 7.9 5.8 8.8
 122 7.4 7.0 10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.23 min Scan# 3904
 Delta R.T. -0.03 min
 Lab File: BG031907.D
 Acq: 4 Jan 2018 2:00

Tgt Ion:264 Resp: 427471
 Ion Ratio Lower Upper
 264 100
 260 22.4 17.4 26.0
 265 21.4 17.7 26.5

