

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122617\
 Data File : BG031762.D
 Acq On : 26 Dec 2017 15:22
 Operator : SJ/JU
 Sample : I7040-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LIP-22

Quant Time: Dec 26 16:03:27 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 11:08:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.81	152	47355	20.00	ng	-0.03
21) Naphthalene-d8	11.69	136	193071	20.00	ng	-0.03
38) Acenaphthene-d10	15.44	164	136633	20.00	ng	-0.03
63) Phenanthrene-d10	18.17	188	338659	20.00	ng	-0.03
75) Chrysene-d12	22.52	240	413502	20.00	ng	-0.05
86) Perylene-d12	26.27	264	453040	20.00	ng	-0.09

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.23	112	159586	61.38	ng	-0.02
7) Phenol-d6	7.91	99	129322	38.31	ng	-0.02
23) Nitrobenzene-d5	10.00	82	249116	97.43	ng	-0.03
41) 2,4,6-Tribromophenol	16.91	330	327302	156.99	ng	-0.03
44) 2-Fluorobiphenyl	14.07	172	928109	85.26	ng	-0.03
78) Terphenyl-d14	20.70	244	1631911	90.17	ng	-0.03

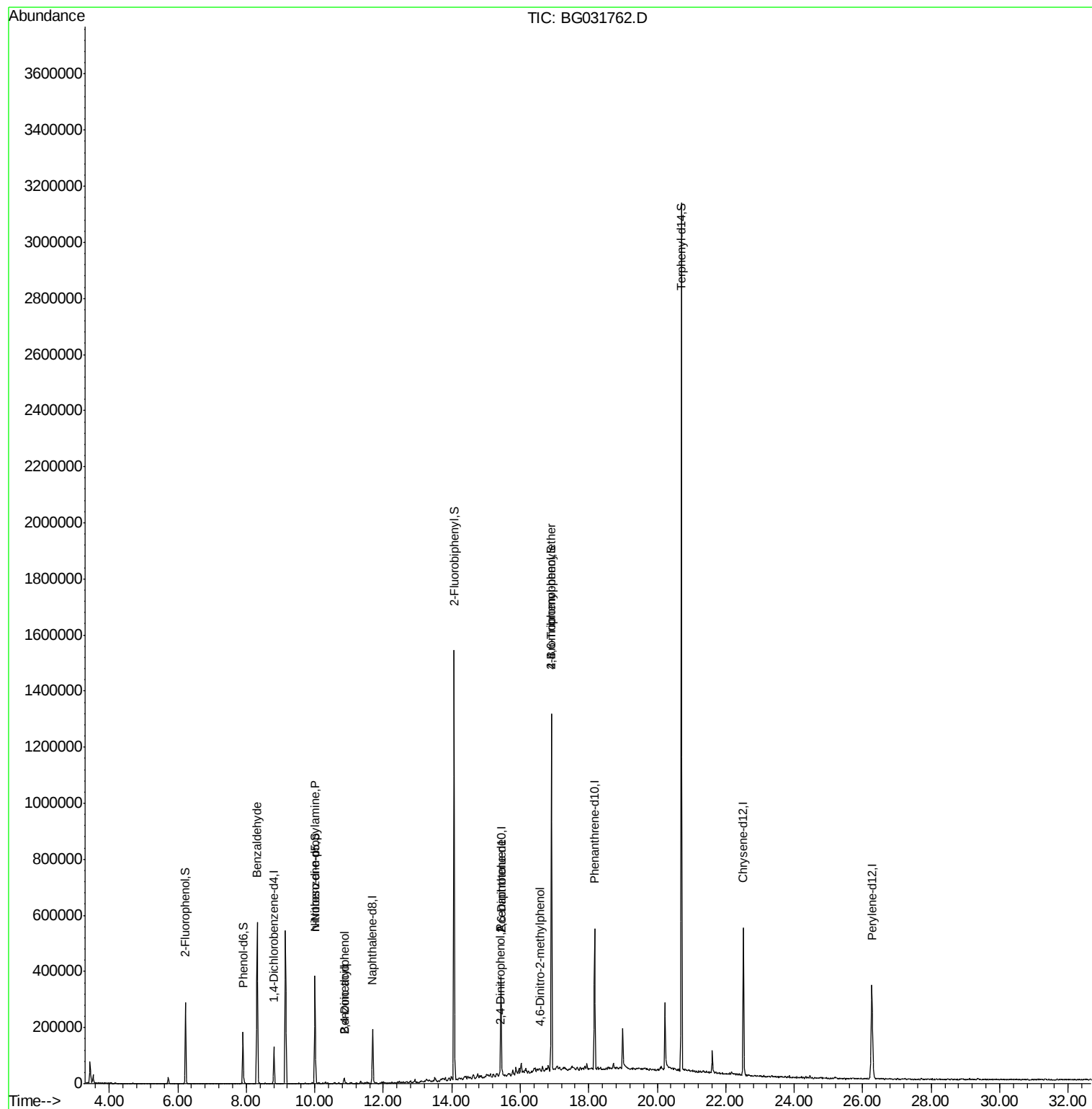
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	8.32	77	6887	3.388	ng	86
19) n-Nitroso-di-n-propylamine	10.00	70	32705	14.187	ng	# 70
27) 2,4-Dimethylphenol	10.86	122	11428	3.931	ng	# 1
32) Benzoic acid	10.86	122	11428	11.655	ng	# 76
50) 2,6-Dinitrotoluene	15.43	165	18306	8.267	ng	# 21
53) 2,4-Dinitrophenol	15.40	184	56	7.687	ng	# 1
64) 4,6-Dinitro-2-methylphenol	16.60	198	64	8.338	ng	# 1
66) 4-Bromophenyl-phenylether	16.91	248	24933	5.091	ng	# 1

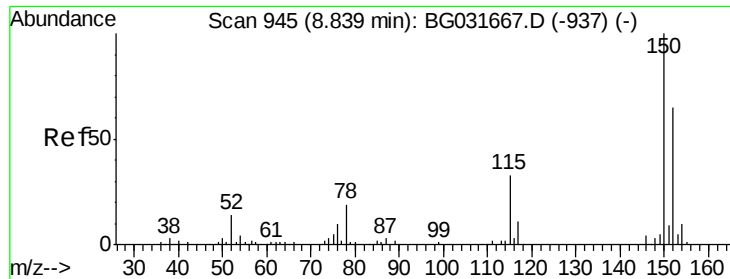
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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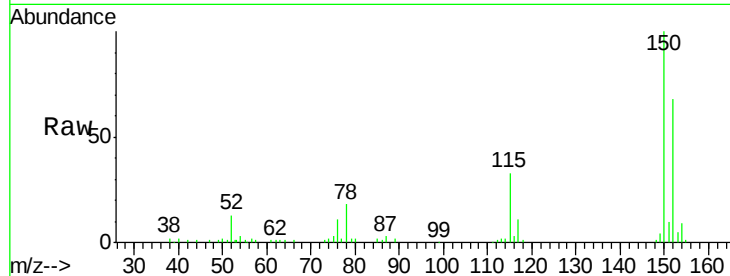


#1

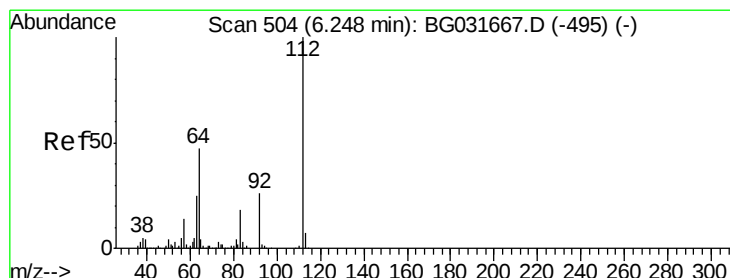
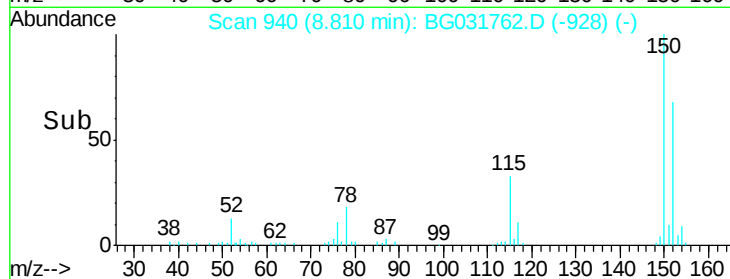
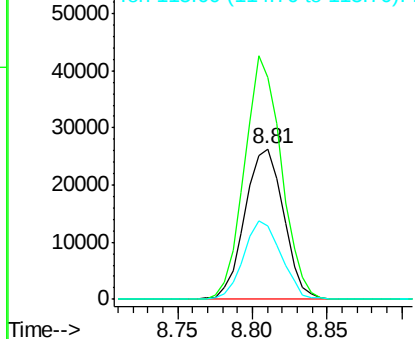
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.81 min Scan# 940
Delta R.T. -0.03 min
Lab File: BG031762.D
Acq: 26 Dec 2017 15:22

Instrument :
BNA_G
ClientSampleId :
LIP-22

Tgt Ion:152 Resp: 47355
Ion Ratio Lower Upper
152 100
150 147.8 126.6 189.8
115 48.6 53.0 79.4#



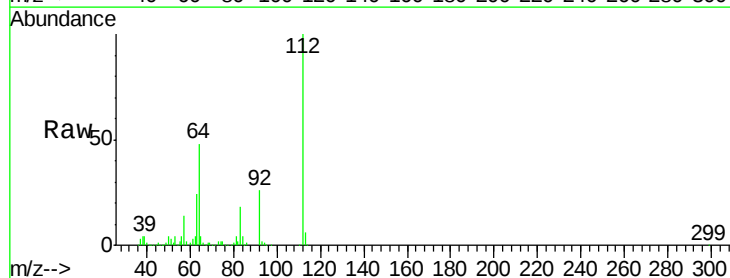
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



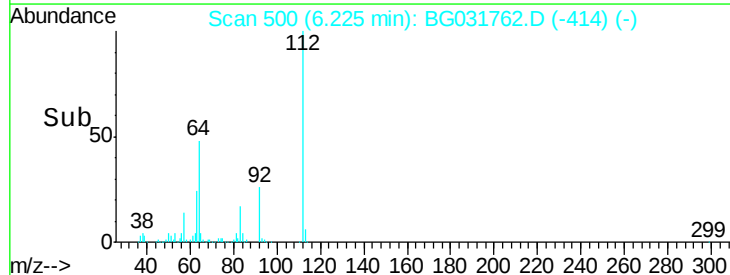
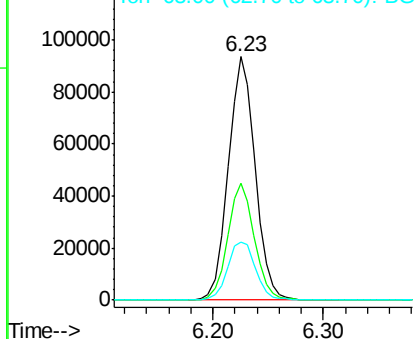
#5

2-Fluorophenol
Concen: 61.381 ng
RT: 6.23 min Scan# 500
Delta R.T. -0.02 min
Lab File: BG031762.D
Acq: 26 Dec 2017 15:22

Tgt Ion:112 Resp: 159586
Ion Ratio Lower Upper
112 100
64 48.2 56.3 84.5#
63 24.0 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: 38.311 ng

RT: 7.91 min Scan# 786

Delta R.T. -0.02 min

Lab File: BG031762.D

Acq: 26 Dec 2017 15:22

Instrument :

BNA_G

ClientSampleId :

LIP-22

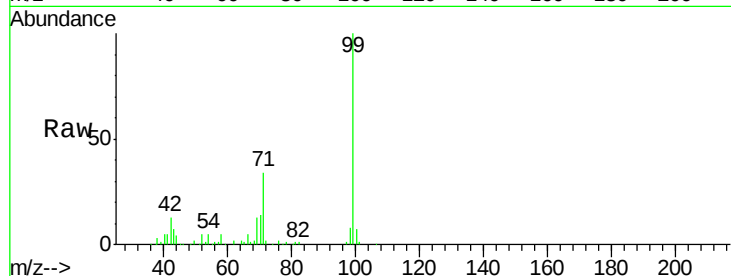
Tgt Ion: 99 Resp: 129322

Ion Ratio Lower Upper

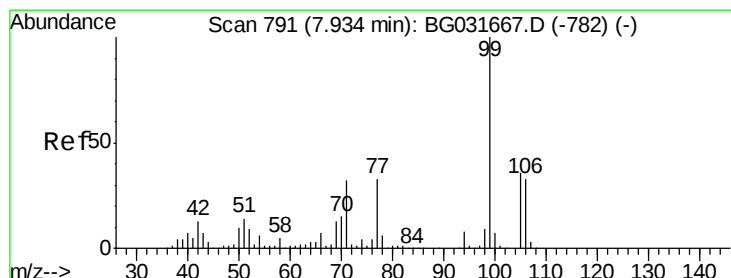
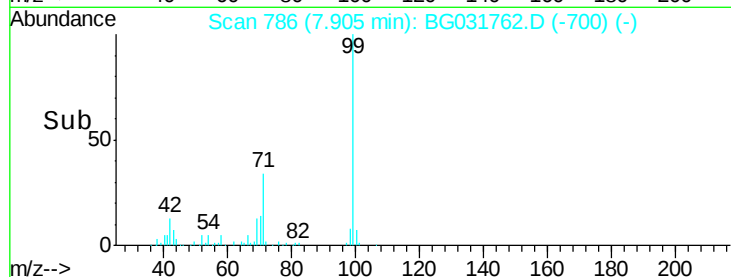
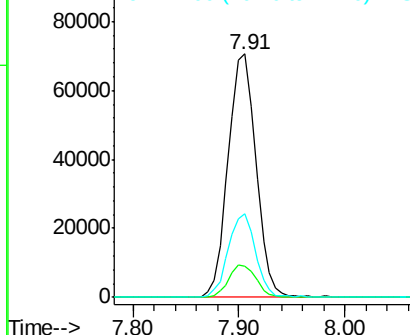
99 100

42 13.0 14.1 21.1#

71 34.3 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: 3.388 ng

RT: 8.32 min Scan# 856

Delta R.T. 0.38 min

Lab File: BG031762.D

Acq: 26 Dec 2017 15:22

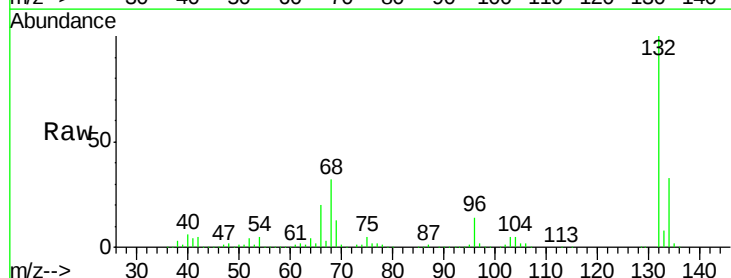
Tgt Ion: 77 Resp: 6887

Ion Ratio Lower Upper

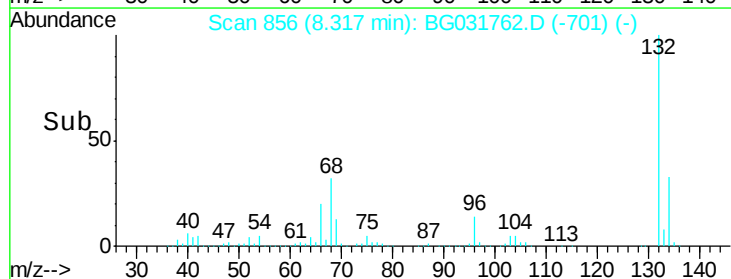
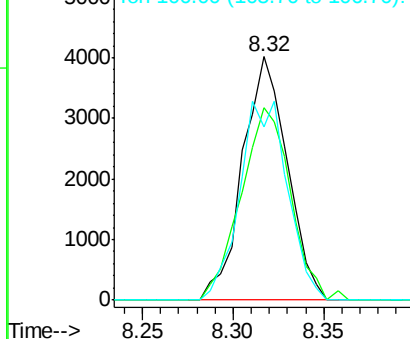
77 100

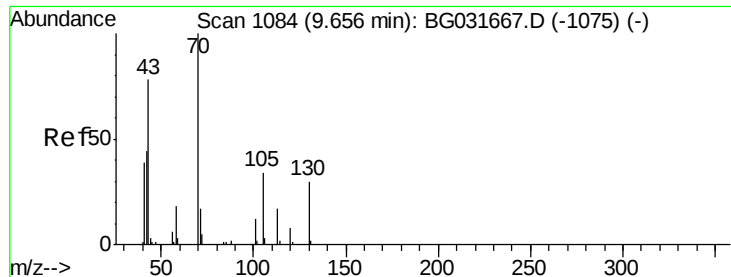
105 78.9 71.3 111.3

106 71.3 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

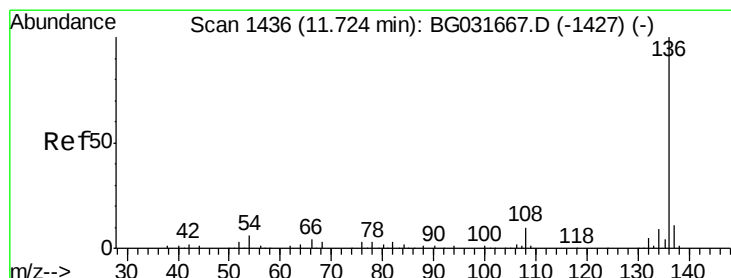
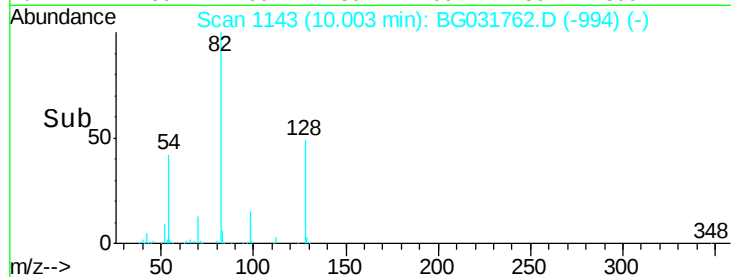
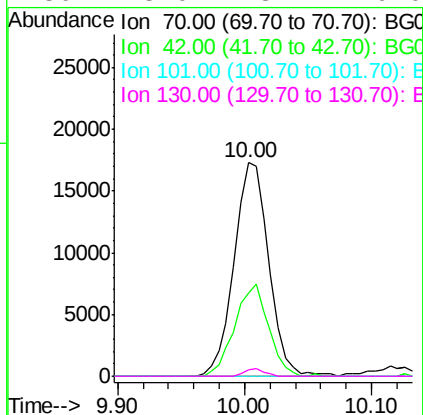
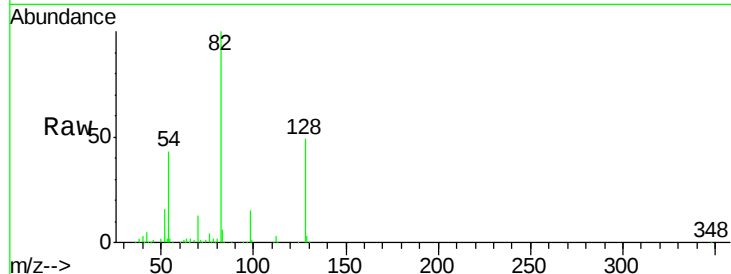




#19
n-Nitroso-di-n-propylamine
Concen: 14.187 ng
RT: 10.00 min Scan# 1143
Delta R.T. 0.35 min
Lab File: BG031762.D
Acq: 26 Dec 2017 15:22

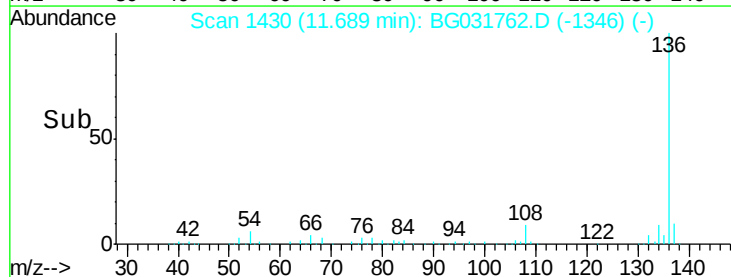
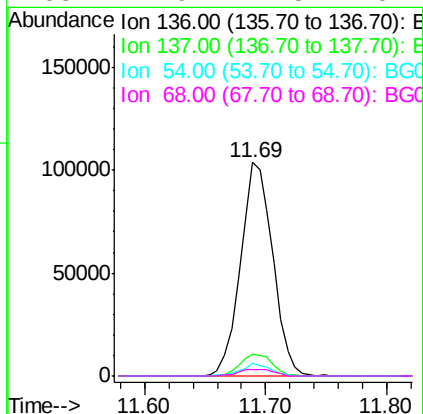
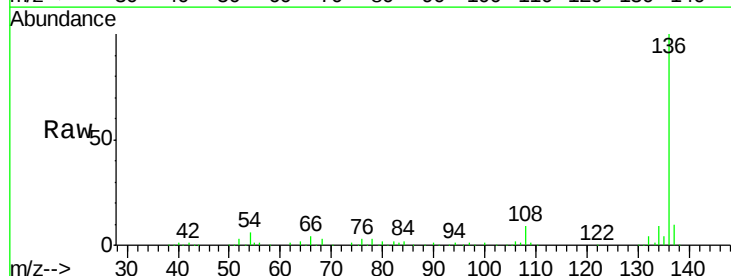
Instrument :
BNA_G
ClientSampled :
LIP-22

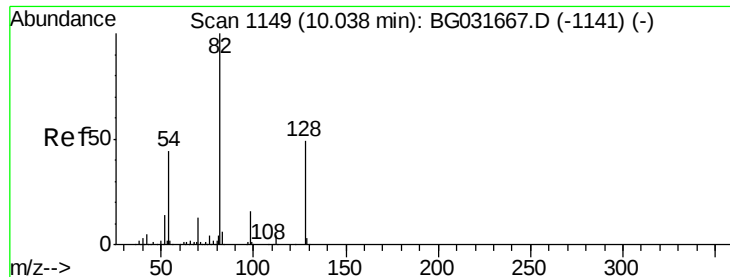
Tgt Ion: 70 Resp: 32705
Ion Ratio Lower Upper
70 100
42 38.8 49.1 73.7#
101 0.0 8.5 12.7#
130 3.0 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.69 min Scan# 1430
Delta R.T. -0.03 min
Lab File: BG031762.D
Acq: 26 Dec 2017 15:22

Tgt Ion: 136 Resp: 193071
Ion Ratio Lower Upper
136 100
137 10.2 9.2 13.8
54 5.9 10.3 15.5#
68 2.9 4.5 6.7#





#23

Nitrobenzene-d5

Concen: 97.432 ng

RT: 10.00 min Scan# 1143

Delta R.T. -0.03 min

Lab File: BG031762.D

Acq: 26 Dec 2017 15:22

Instrument :

BNA_G

ClientSampleId :

LIP-22

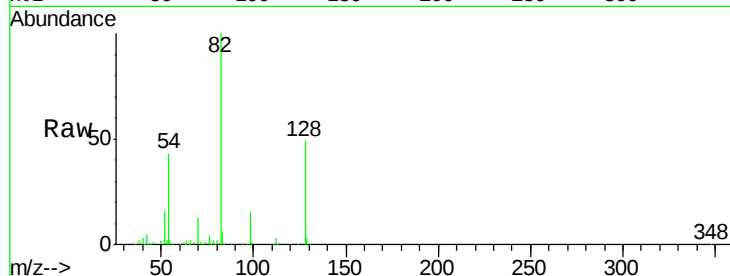
Tgt Ion: 82 Resp: 249116

Ion Ratio Lower Upper

82 100

128 49.0 29.7 44.5#

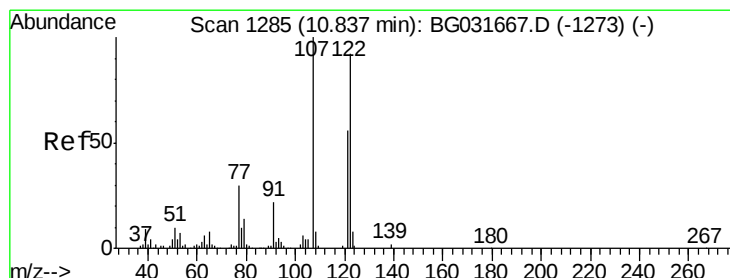
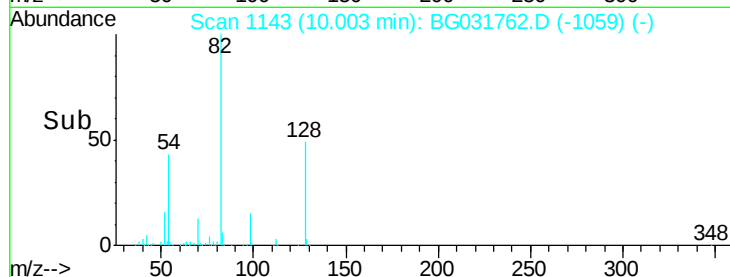
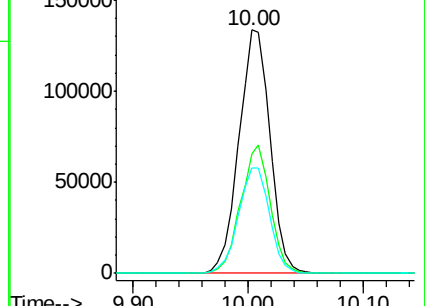
54 43.2 43.1 64.7



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: 3.931 ng

RT: 10.86 min Scan# 1289

Delta R.T. 0.02 min

Lab File: BG031762.D

Acq: 26 Dec 2017 15:22

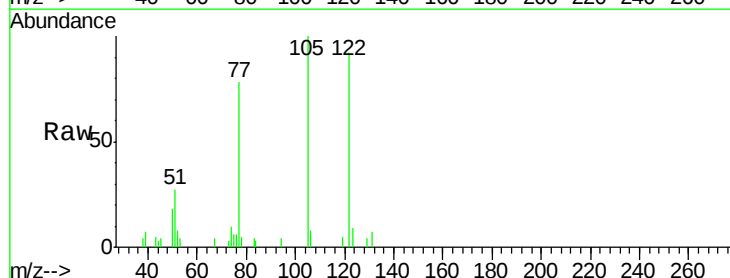
Tgt Ion: 122 Resp: 11428

Ion Ratio Lower Upper

122 100

107 0.0 100.2 150.2#

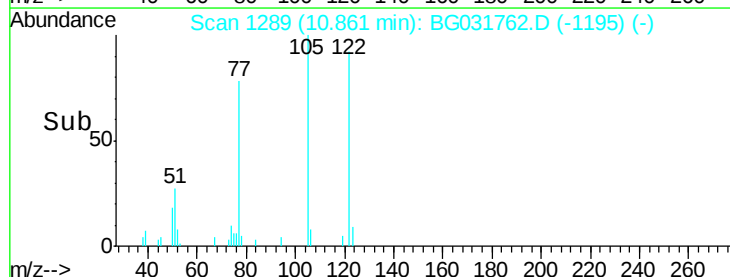
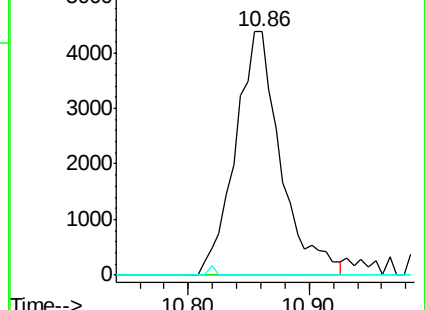
121 0.0 44.4 66.6#

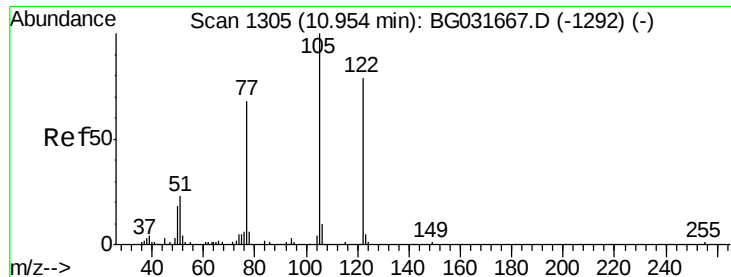


Abundance Ion 122.00 (121.70 to 122.70): BGC

Ion 107.00 (106.70 to 107.70): BGC

Ion 121.00 (120.70 to 121.70): BGC





#32

Benzoic acid

Concen: 11.655 ng

RT: 10.86 min Scan# 1289

Delta R.T. -0.09 min

Lab File: BG031762.D

Acq: 26 Dec 2017 15:22

Instrument :

BNA_G

ClientSampleId :

LIP-22

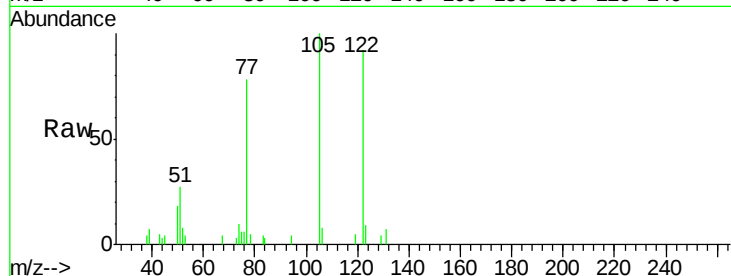
Tgt Ion:122 Resp: 11428

Ion Ratio Lower Upper

122 100

105 109.2 123.5 163.5#

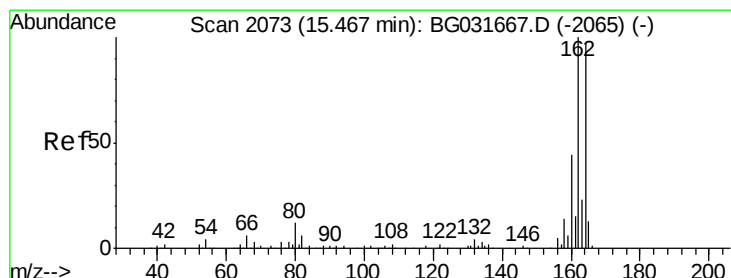
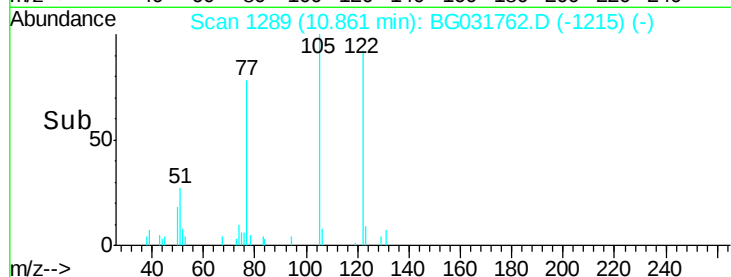
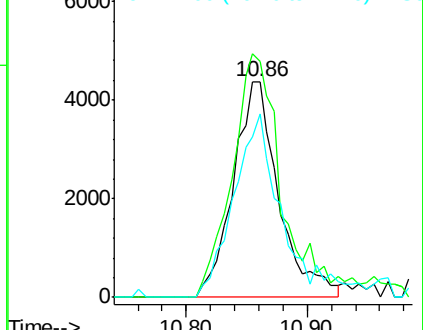
77 85.1 85.7 125.7#



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): B



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.44 min Scan# 2068

Delta R.T. -0.03 min

Lab File: BG031762.D

Acq: 26 Dec 2017 15:22

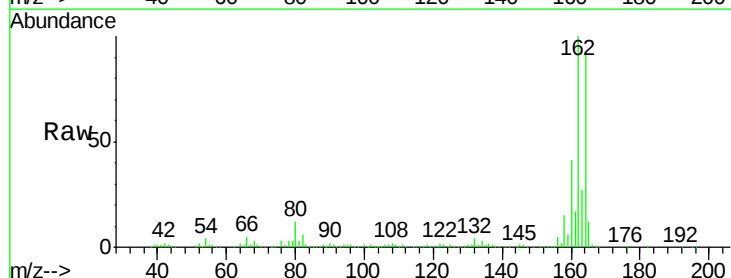
Tgt Ion:164 Resp: 136633

Ion Ratio Lower Upper

164 100

162 108.5 78.8 118.2

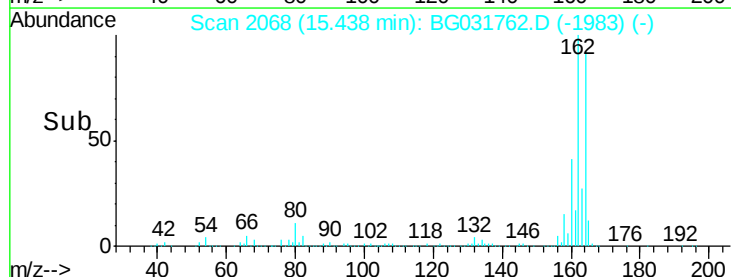
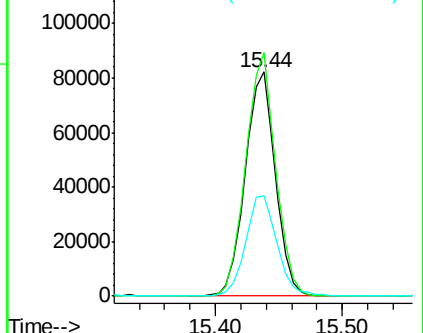
160 44.9 35.4 53.0

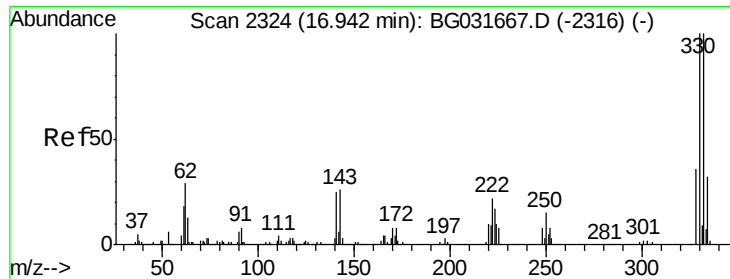


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

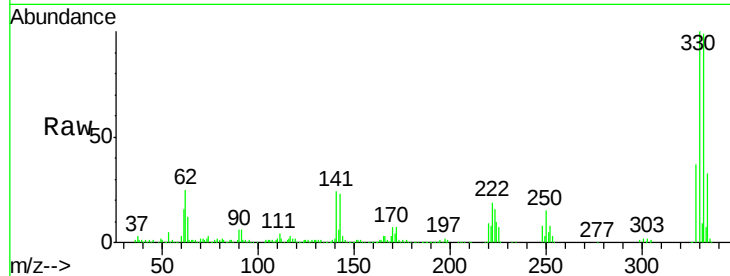




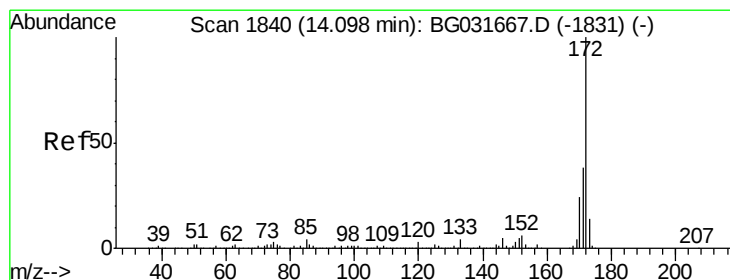
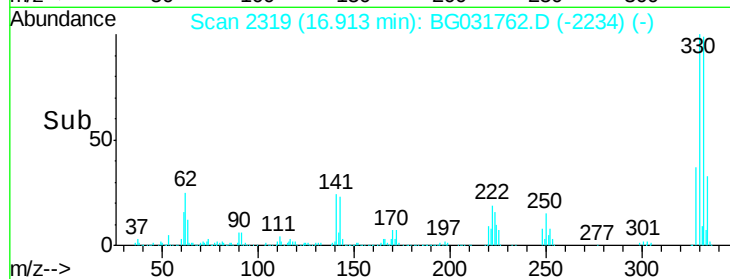
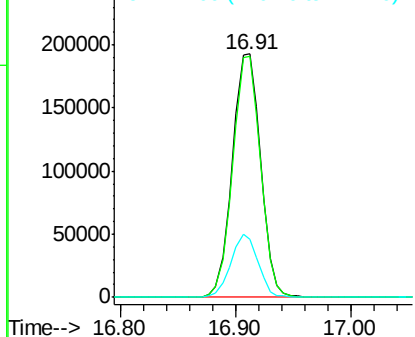
#41
 2,4,6-Tribromophenol
 Concen: 156.992 ng
 RT: 16.91 min Scan# 2319
 Delta R.T. -0.03 min
 Lab File: BG031762.D
 Acq: 26 Dec 2017 15:22

Instrument :
 BNA_G
 ClientSampleId :
 LIP-22

Tgt Ion:330 Resp: 327302
 Ion Ratio Lower Upper
 330 100
 332 97.3 77.0 115.6
 141 25.0 25.2 37.8#

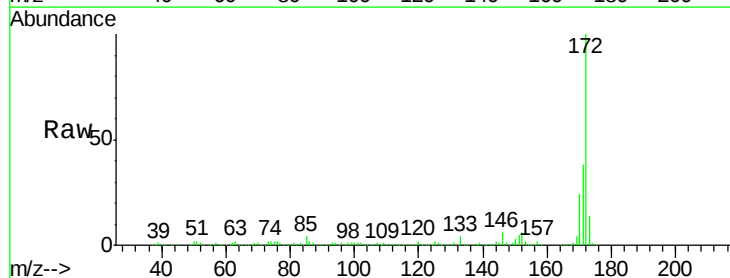


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

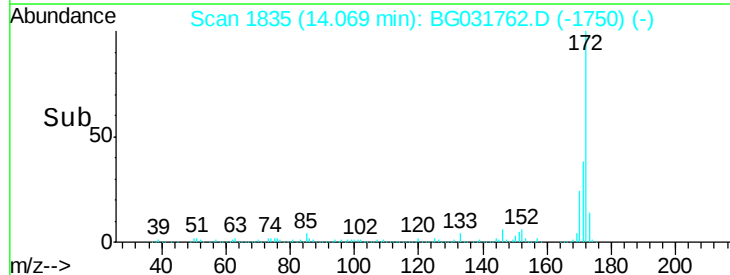
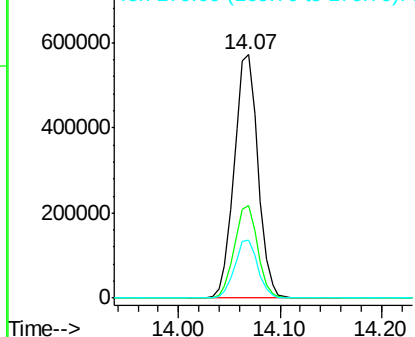


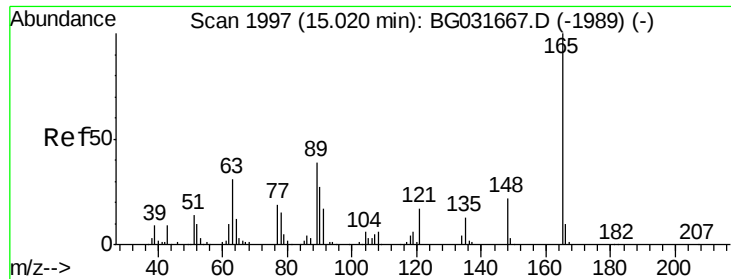
#44
 2-Fluorobiphenyl
 Concen: 85.258 ng
 RT: 14.07 min Scan# 1835
 Delta R.T. -0.03 min
 Lab File: BG031762.D
 Acq: 26 Dec 2017 15:22

Tgt Ion:172 Resp: 928109
 Ion Ratio Lower Upper
 172 100
 171 37.9 30.0 45.0
 170 23.7 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

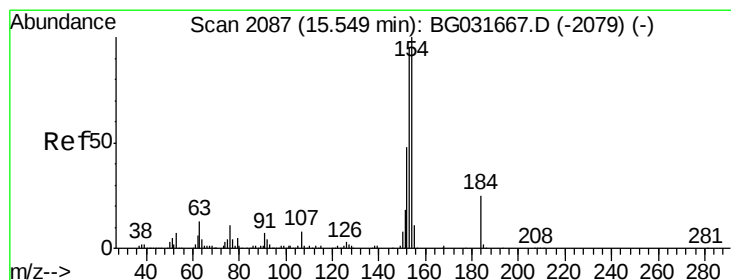
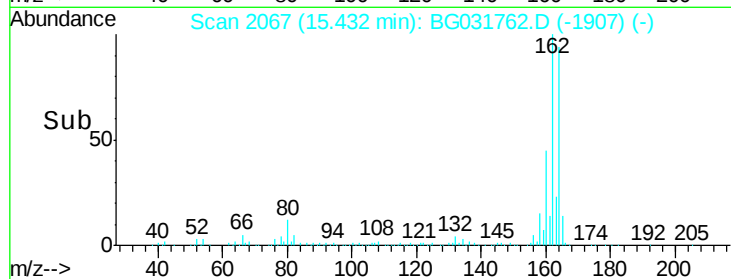
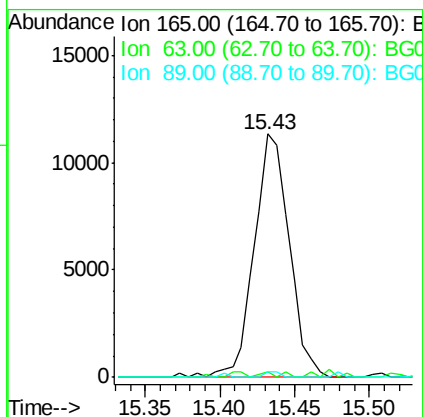
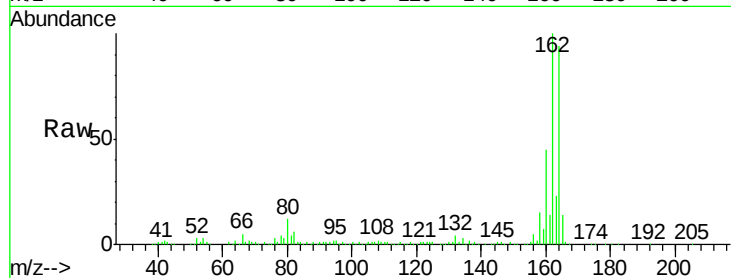




#50
 2,6-Dinitrotoluene
 Concen: 8.267 ng
 RT: 15.43 min Scan# 2067
 Delta R.T. 0.41 min
 Lab File: BG031762.D
 Acq: 26 Dec 2017 15:22

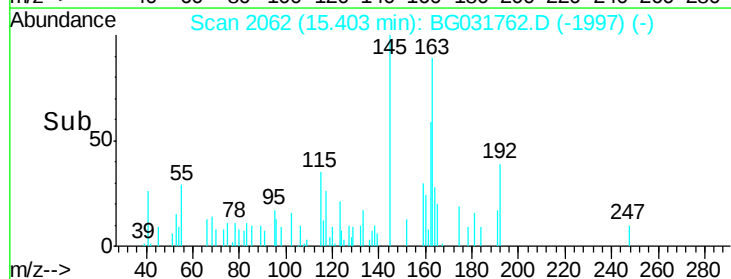
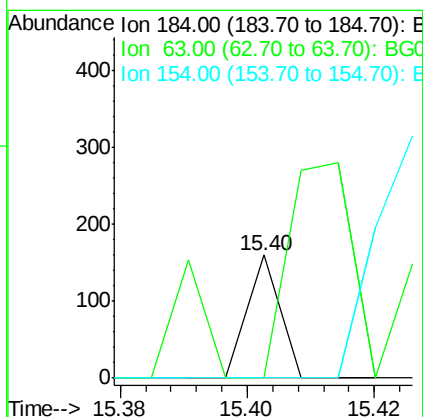
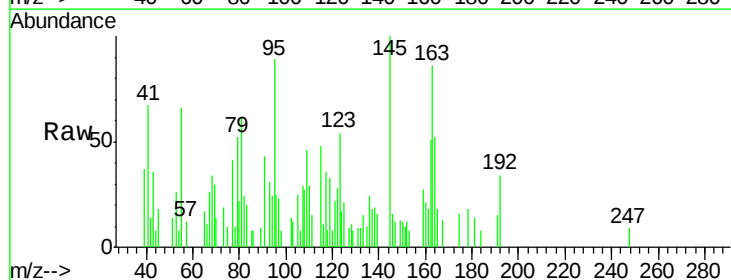
Instrument :
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 ClientSampleId :
 LIP-22

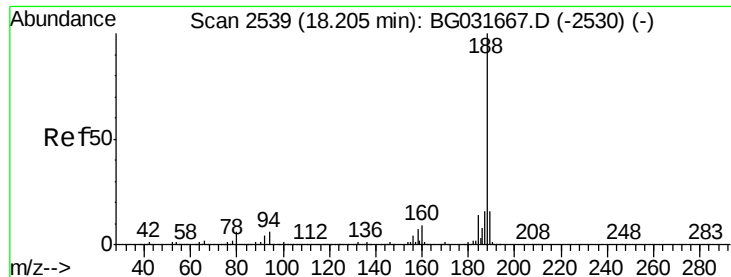
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	52.7	79.1#
89	2.1	49.2	73.8#



#53
 2,4-Dinitrophenol
 Concen: 7.687 ng
 RT: 15.40 min Scan# 2062
 Delta R.T. -0.15 min
 Lab File: BG031762.D
 Acq: 26 Dec 2017 15:22

Tgt Ion	Ratio	Lower	Upper
184	100		
63	0.0	59.8	89.8#
154	0.0	101.8	152.8#

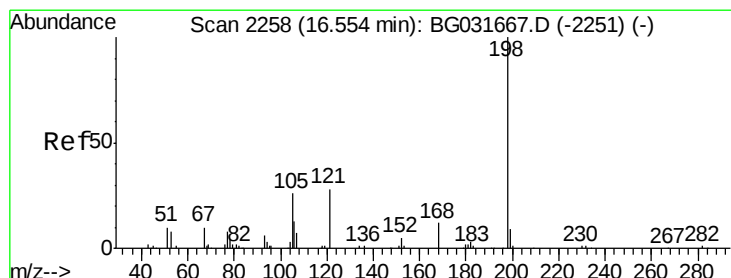
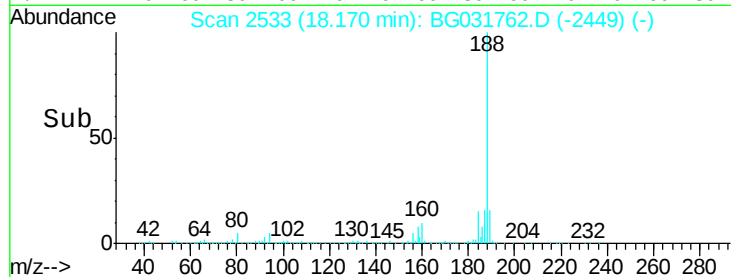
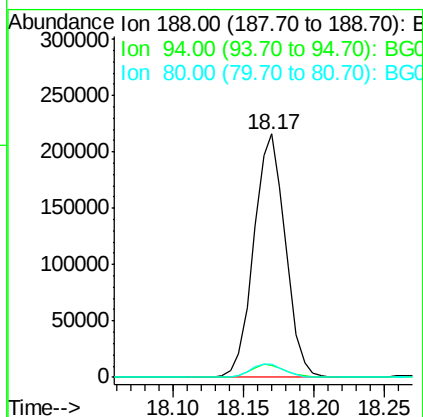
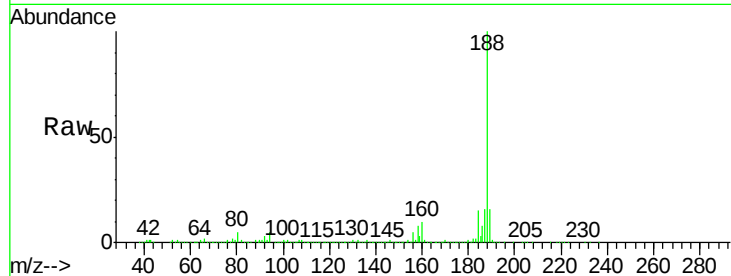




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.17 min Scan# 2533
Delta R.T. -0.03 min
Lab File: BG031762.D
Acq: 26 Dec 2017 15:22

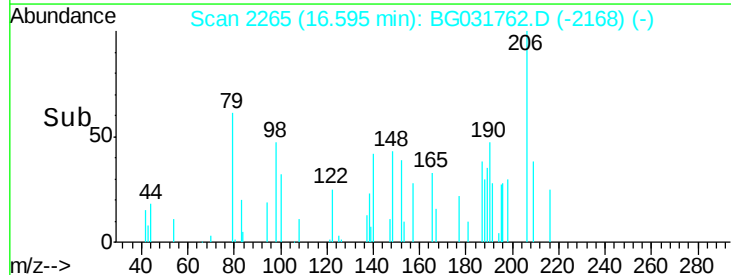
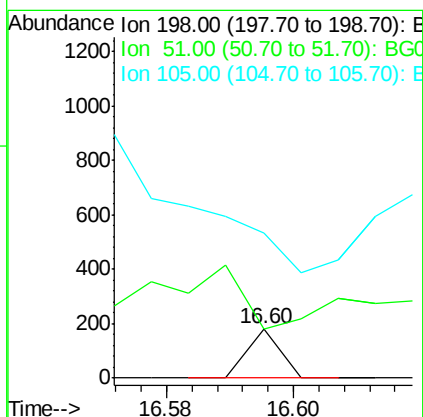
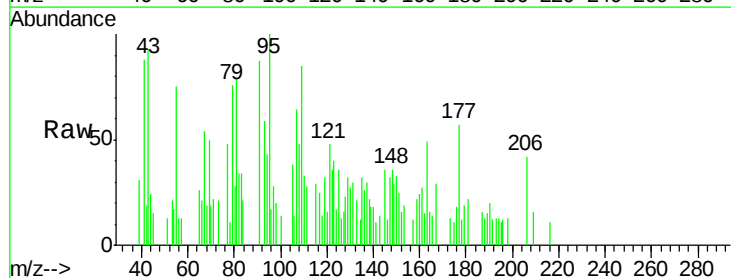
Instrument :
BNA_G
ClientSampleId :
LIP-22

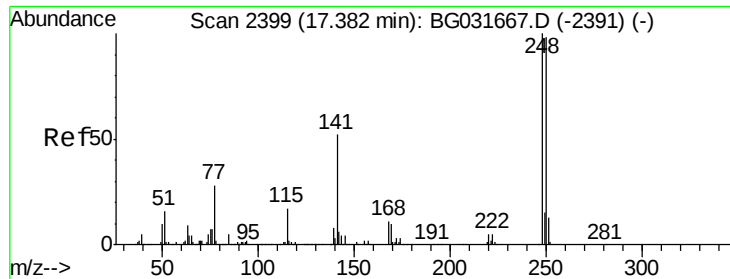
Tgt Ion:188 Resp: 338659
Ion Ratio Lower Upper
188 100
94 5.1 6.9 10.3#
80 5.5 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 8.338 ng
RT: 16.60 min Scan# 2265
Delta R.T. 0.04 min
Lab File: BG031762.D
Acq: 26 Dec 2017 15:22

Tgt Ion:198 Resp: 64
Ion Ratio Lower Upper
198 100
51 98.9 30.6 70.6#
105 294.0 23.8 63.8#

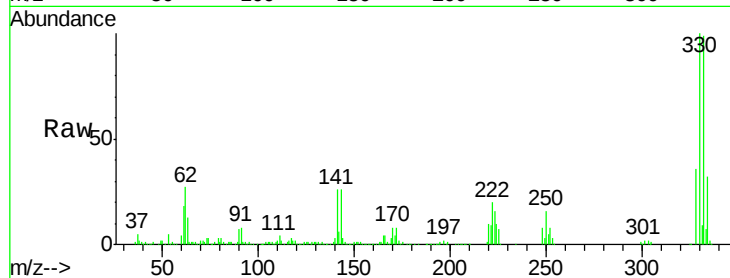




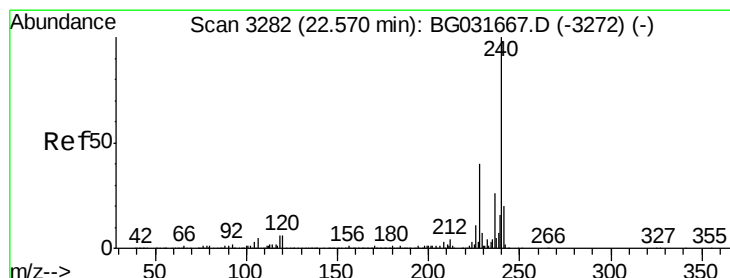
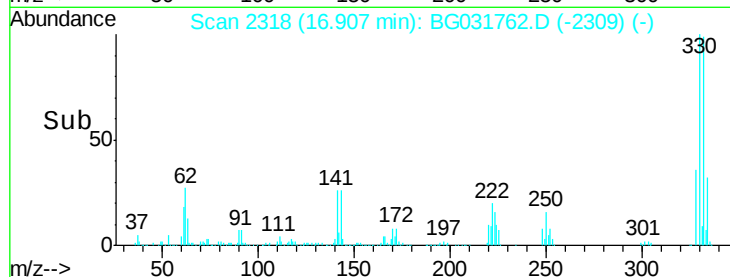
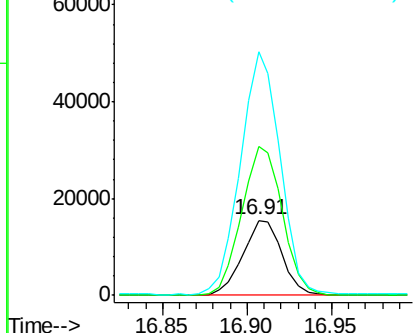
#66
 4-Bromophenyl-phenylether
 Concen: 5.091 ng
 RT: 16.91 min Scan# 2318
 Delta R.T. -0.48 min
 Lab File: BG031762.D
 Acq: 26 Dec 2017 15:22

Instrument :
 BNA_G
 ClientSampleId :
 LIP-22

Tgt Ion:248 Resp: 24933
 Ion Ratio Lower Upper
 248 100
 250 197.6 77.1 115.7#
 141 323.7 50.8 76.2#

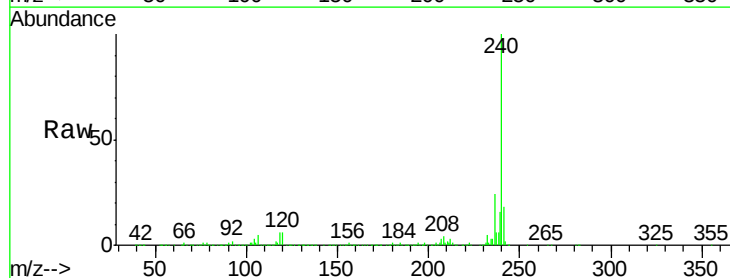


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

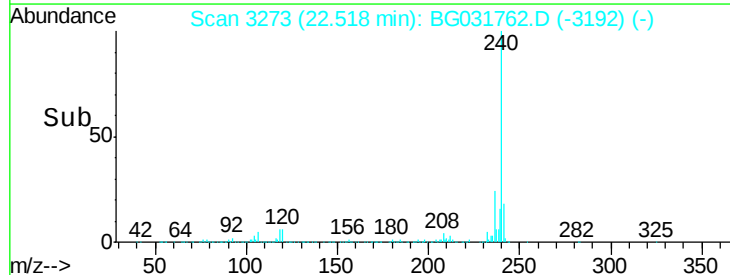
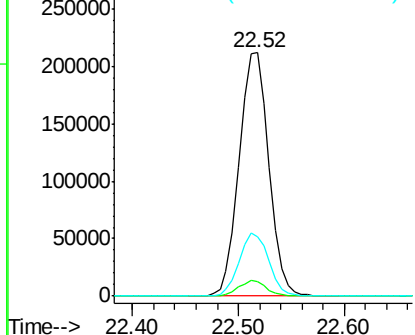


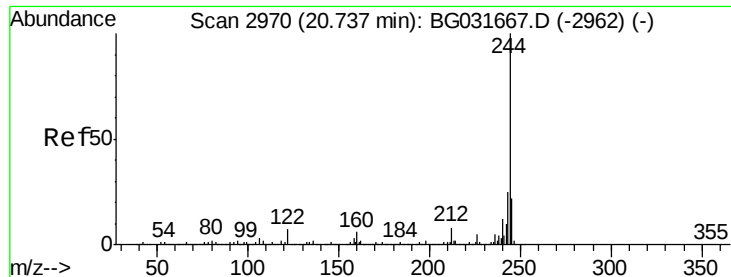
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.52 min Scan# 3273
 Delta R.T. -0.05 min
 Lab File: BG031762.D
 Acq: 26 Dec 2017 15:22

Tgt Ion:240 Resp: 413502
 Ion Ratio Lower Upper
 240 100
 120 6.0 6.8 10.2#
 236 24.5 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

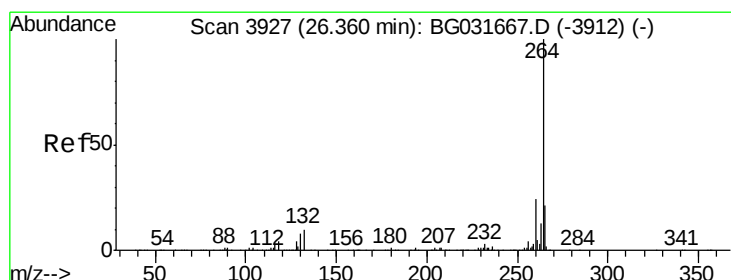
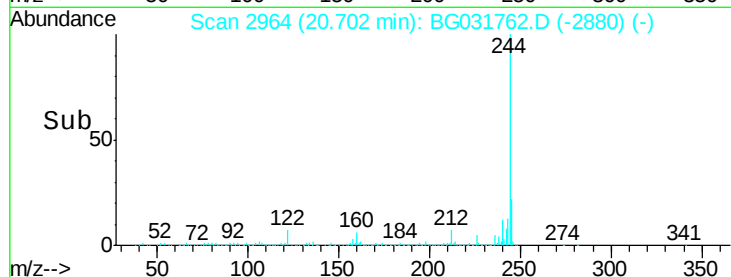
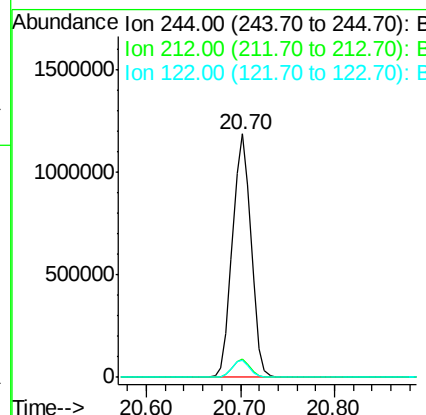
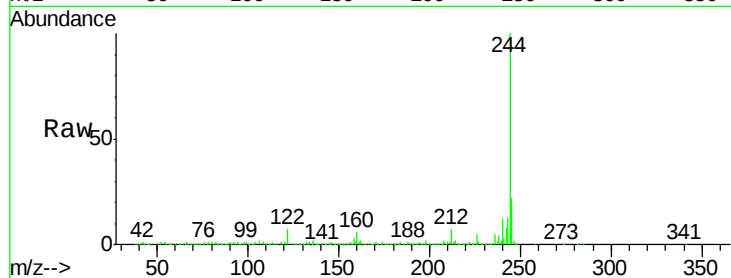




#78
 Terphenyl-d14
 Concen: 90.165 ng
 RT: 20.70 min Scan# 2964
 Delta R.T. -0.03 min
 Lab File: BG031762.D
 Acq: 26 Dec 2017 15:22

Instrument :
 BNA_G
 ClientSampleId :
 LIP-22

Tgt Ion:244 Resp: 1631911
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.8
 122 6.8 7.0 10.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.27 min Scan# 3911
 Delta R.T. -0.09 min
 Lab File: BG031762.D
 Acq: 26 Dec 2017 15:22

Tgt Ion:264 Resp: 453040
 Ion Ratio Lower Upper
 264 100
 260 25.0 17.4 26.0
 265 22.4 17.7 26.5

