

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021418\
 Data File : BG032686.D
 Acq On : 14 Feb 2018 18:15
 Operator : SJ/JU
 Sample : J1540-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 15 02:53:25 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 12 18:08:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.66	152	23131	20.00	ng	-0.02
21) Naphthalene-d8	11.53	136	85749	20.00	ng	-0.02
38) Acenaphthene-d10	15.29	164	84728	20.00	ng	-0.02
63) Phenanthrene-d10	18.03	188	251752	20.00	ng	-0.02
75) Chrysene-d12	22.35	240	345829	20.00	ng	-0.02
86) Perylene-d12	25.98	264	358323	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.10	112	129655	112.46	ng	-0.02
7) Phenol-d6	7.78	99	180312	114.38	ng	-0.02
23) Nitrobenzene-d5	9.85	82	128362	95.14	ng	-0.02
41) 2,4,6-Tribromophenol	16.77	330	212310	162.74	ng	-0.02
44) 2-Fluorobiphenyl	13.92	172	511121	75.44	ng	-0.01
78) Terphenyl-d14	20.57	244	1183161	77.98	ng	-0.01

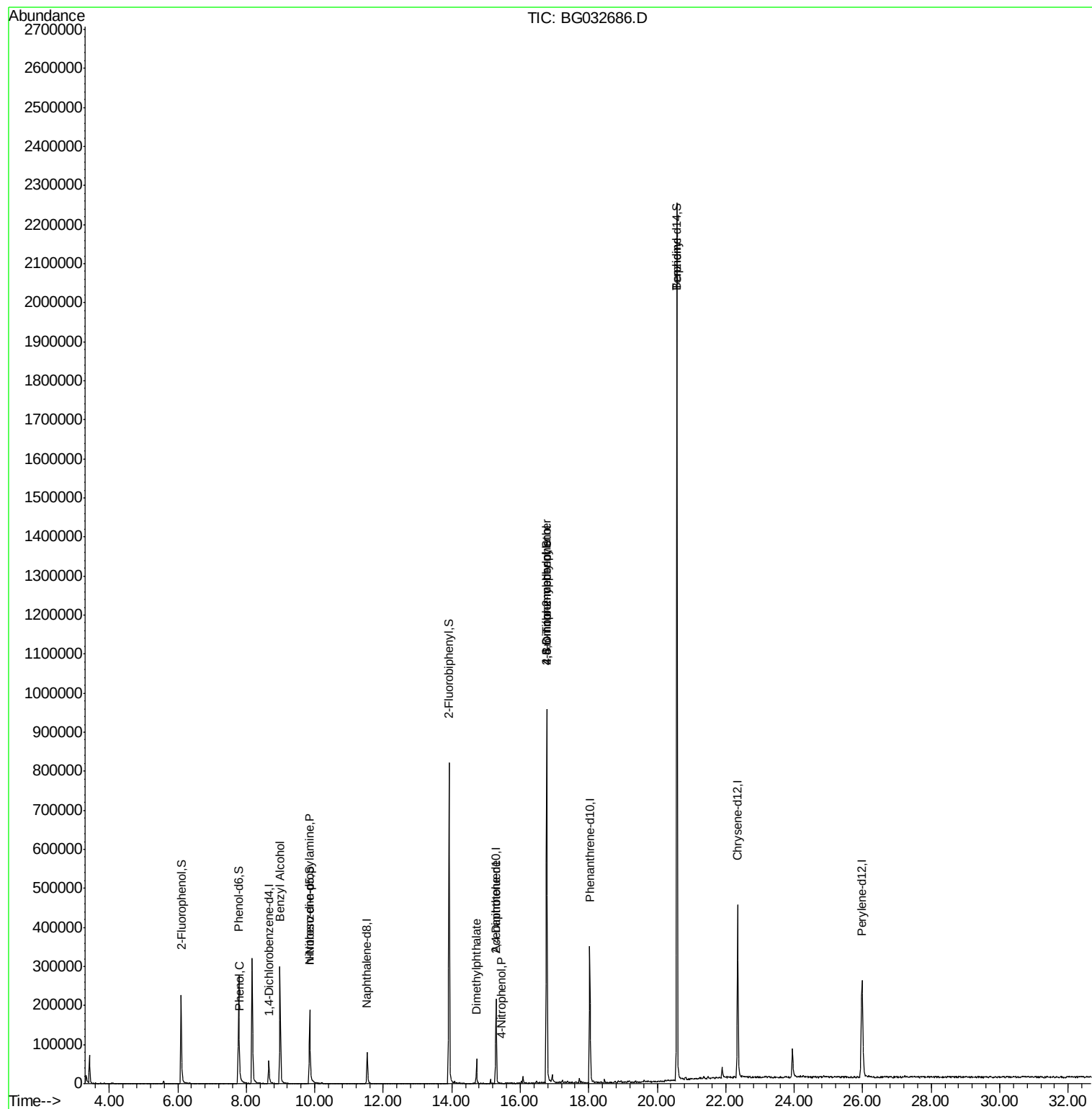
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.81	94	11323	7.39	ng	80
15) Benzyl Alcohol	8.98	79	2391	2.02	ng	# 28
19) n-Nitroso-di-n-propylamine	9.85	70	18107	17.09	ng	# 84
49) Dimethylphthalate	14.72	163	46804	6.39	ng	# 95
55) 4-Nitrophenol	15.46	139	61	5.54	ng	# 1
56) 2,4-Dinitrotoluene	15.29	165	10739	5.17	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.77	198	559	5.30	ng	# 8
66) 4-Bromophenyl-phenylether	16.77	248	18161	5.04	ng	# 1
76) Benzidine	20.57	184	18198	2.23	ng	# 96

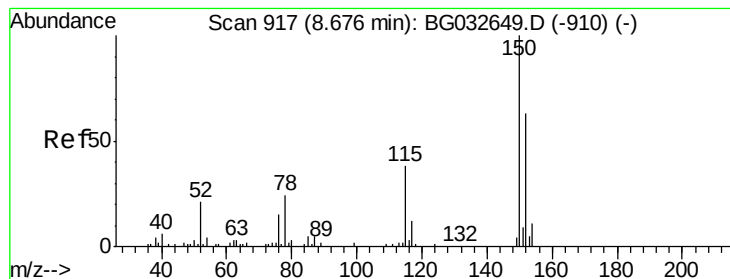
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.66 min Scan# 914

Delta R.T. -0.02 min

Lab File: BG032686.D

Acq: 14 Feb 2018 18:15

Instrument :

BNA_G

ClientSampleId :

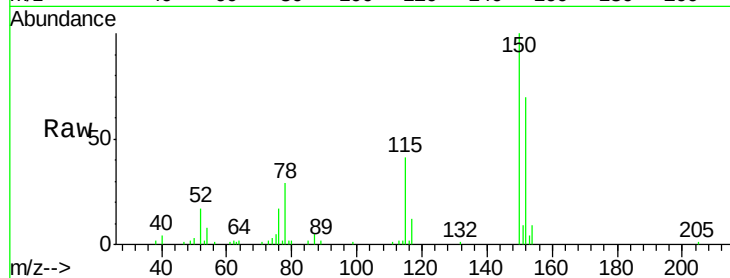
Tot Ion:152 Resp: 23131

Ion Ratio Lower Upper

152 100

150 143.4 126.6 189.8

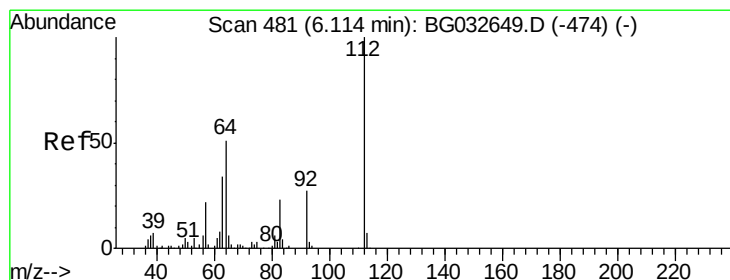
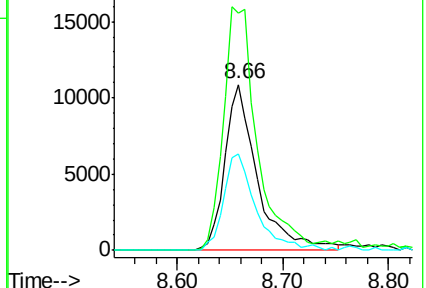
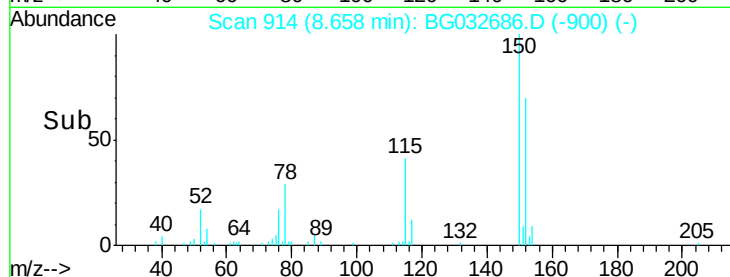
115 58.2 53.0 79.4



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: 112.46 ng

RT: 6.10 min Scan# 478

Delta R.T. -0.02 min

Lab File: BG032686.D

Acq: 14 Feb 2018 18:15

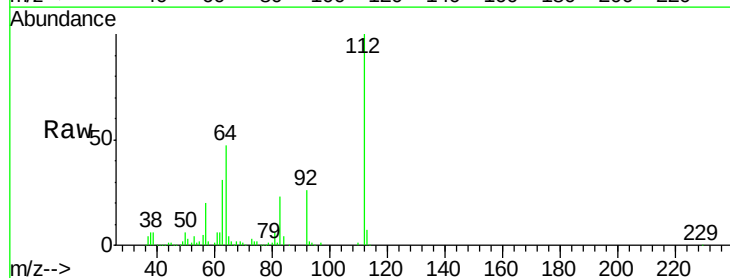
Tgt Ion:112 Resp: 129655

Ion Ratio Lower Upper

112 100

64 47.2 56.3 84.5#

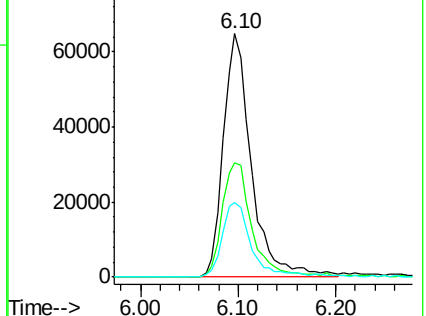
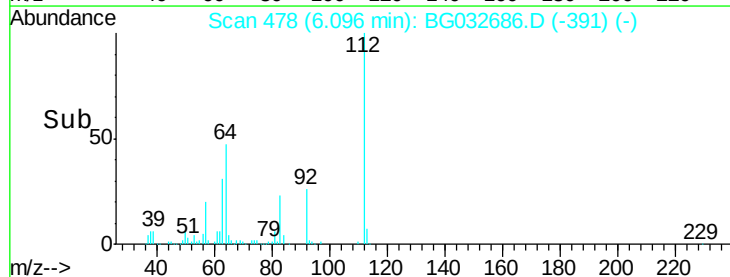
63 30.5 30.1 45.1

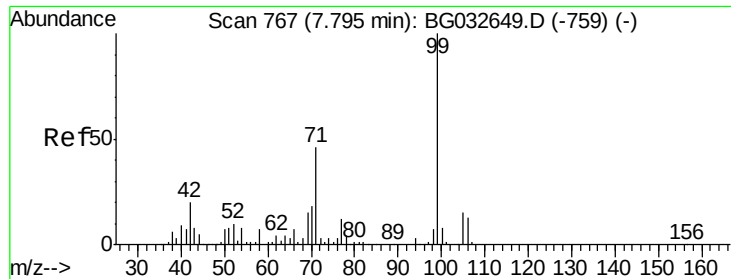


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 114.38 ng

RT: 7.78 min Scan# 764

Delta R.T. -0.02 min

Lab File: BG032686.D

Acq: 14 Feb 2018 18:15

Instrument :

BNA_G

ClientSampleId :

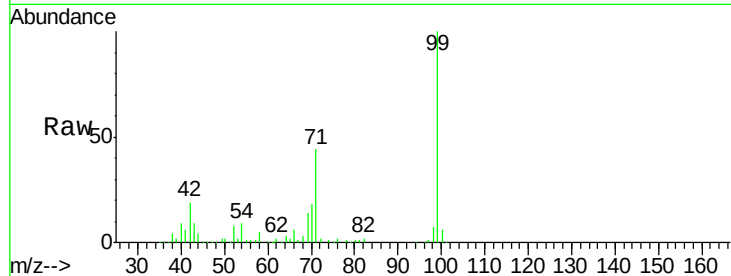
Tot Ion: 99 Resp: 180312

Ion Ratio Lower Upper

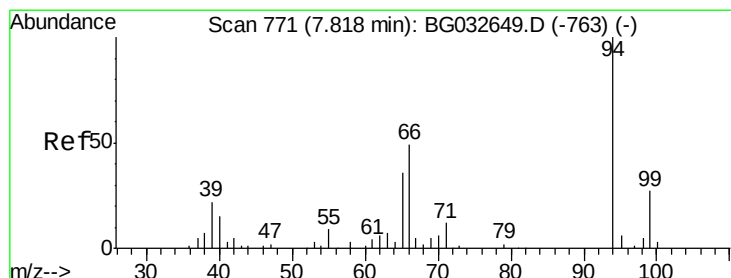
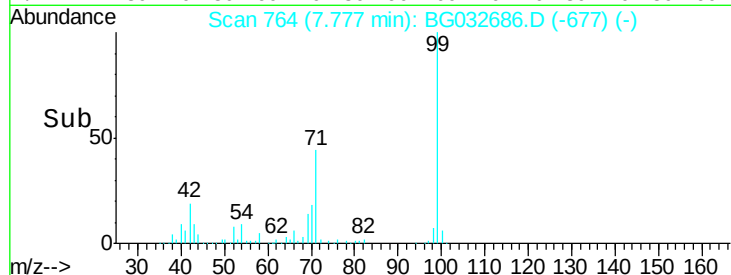
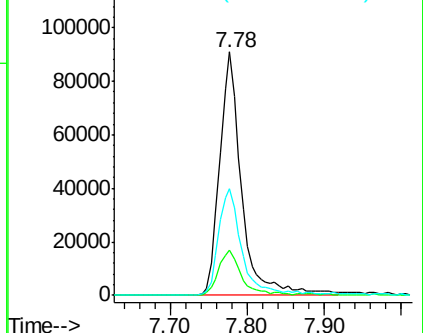
99 100

42 18.5 14.1 21.1

71 43.9 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: 7.39 ng

RT: 7.81 min Scan# 769

Delta R.T. -0.01 min

Lab File: BG032686.D

Acq: 14 Feb 2018 18:15

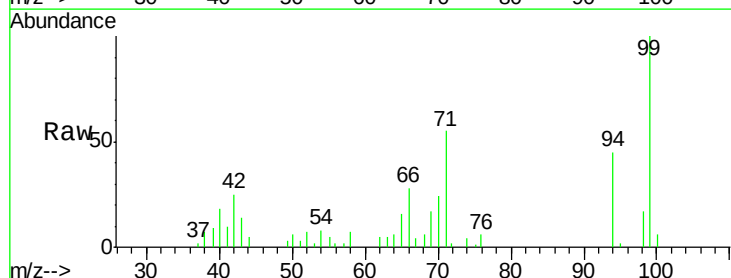
Tgt Ion: 94 Resp: 11323

Ion Ratio Lower Upper

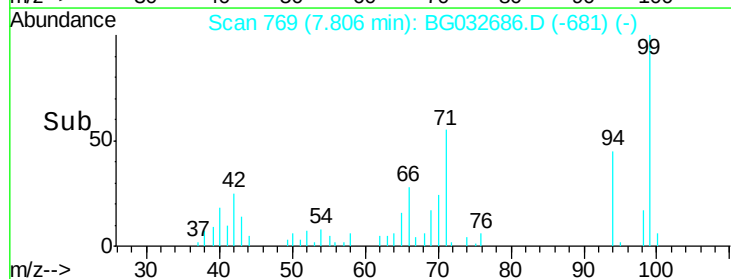
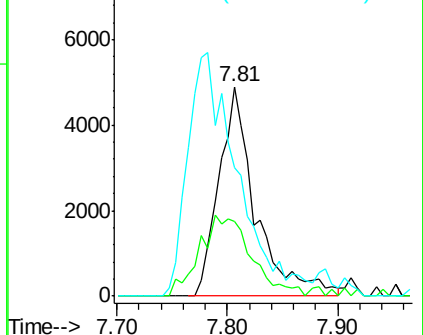
94 100

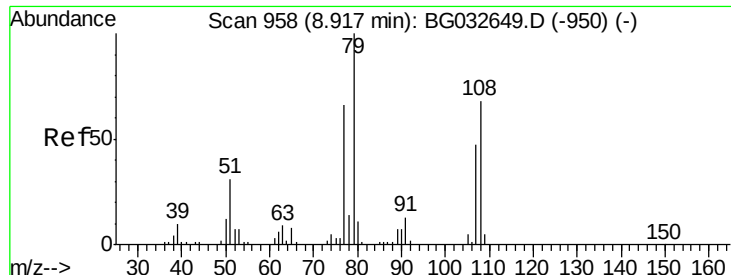
65 35.6 11.9 51.9

66 61.3 22.2 62.2



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

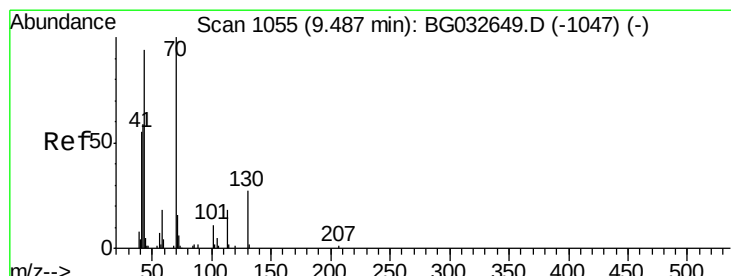
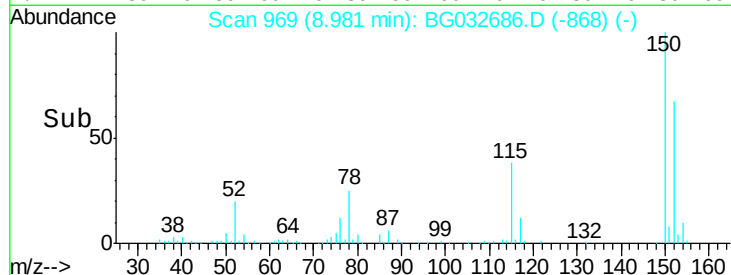
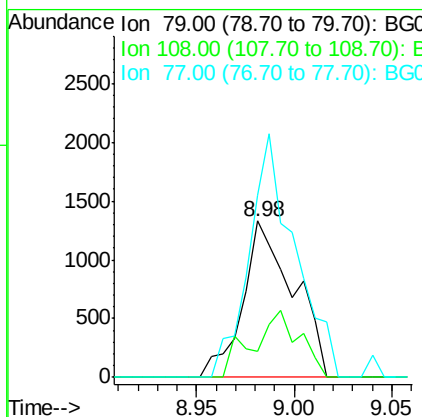
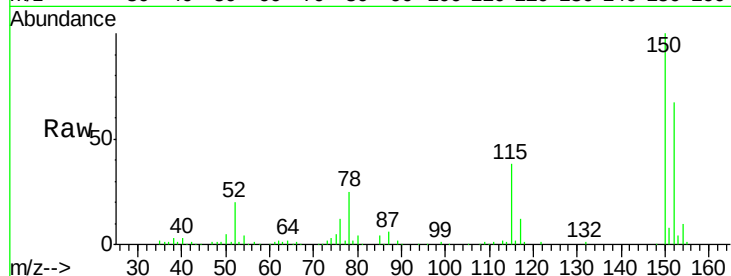




#15
Benzyl Alcohol
Concen: 2.02 ng
RT: 8.98 min Scan# 969
Delta R.T. 0.06 min
Lab File: BG032686.D
Acq: 14 Feb 2018 18:15

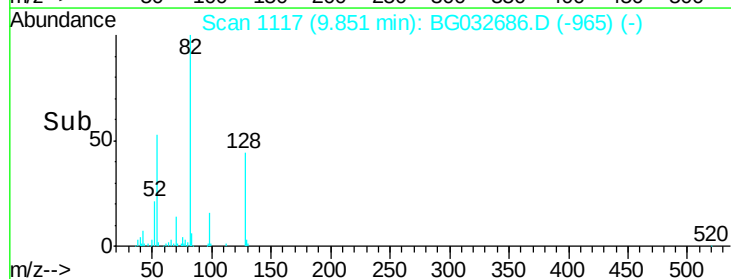
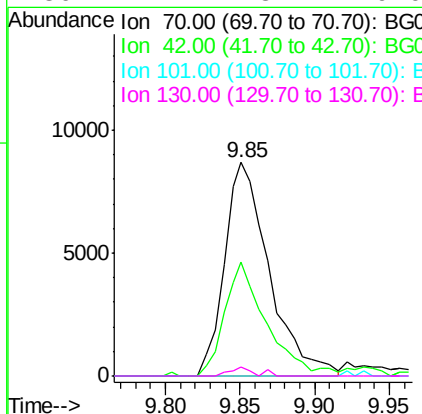
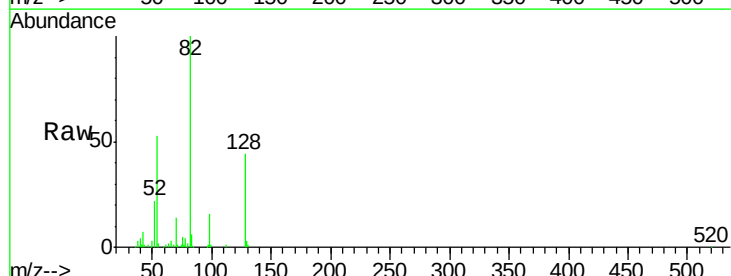
Instrument :
BNA_G
ClientSampleId :

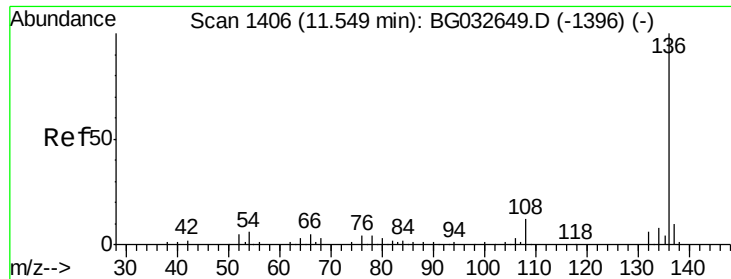
Tot Ion: 79 Resp: 2391
Ion Ratio Lower Upper
79 100
108 16.7 57.2 85.8#
77 116.8 46.1 69.1#



#19
n-Nitroso-di-n-propylamine
Concen: 17.09 ng
RT: 9.85 min Scan# 1117
Delta R.T. 0.36 min
Lab File: BG032686.D
Acq: 14 Feb 2018 18:15

Tgt Ion: 70 Resp: 18107
Ion Ratio Lower Upper
70 100
42 53.1 49.1 73.7
101 0.0 8.5 12.7#
130 4.4 13.4 20.0#

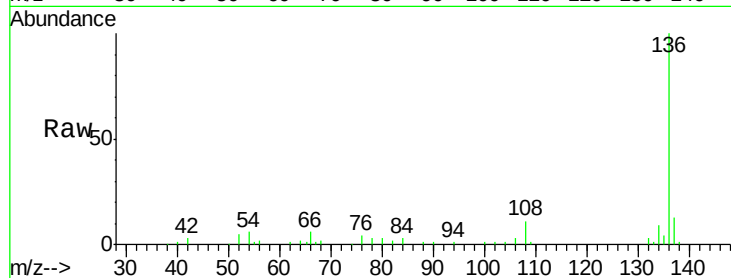




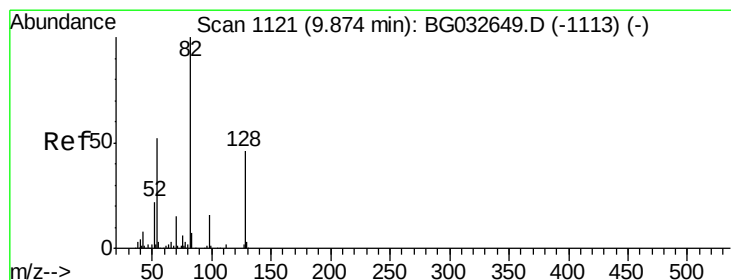
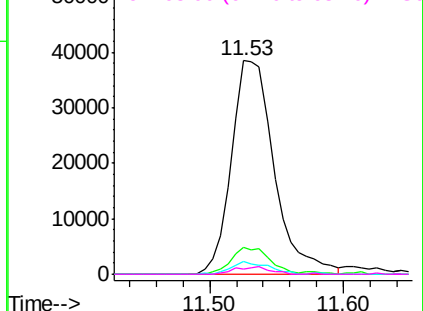
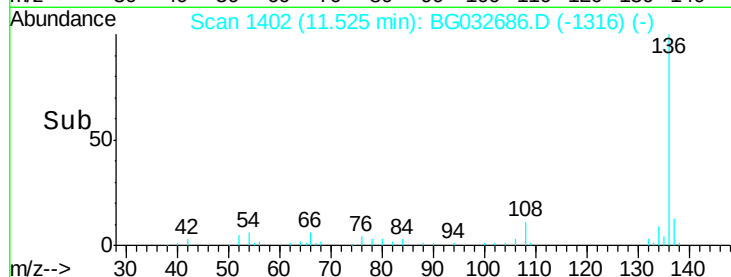
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.53 min Scan# 1402
Delta R.T. -0.02 min
Lab File: BG032686.D
Acq: 14 Feb 2018 18:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136 Resp: 85749
Ion Ratio Lower Upper
136 100
137 12.7 9.2 13.8
54 5.8 10.3 15.5#
68 2.4 4.5 6.7#

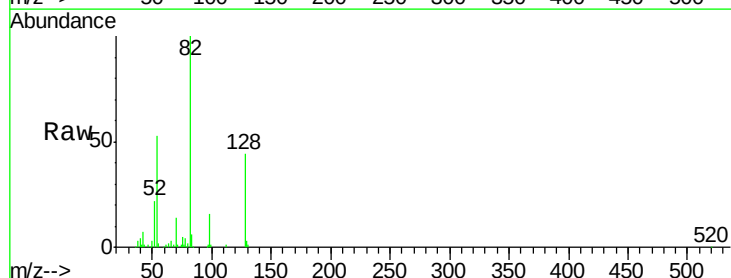


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

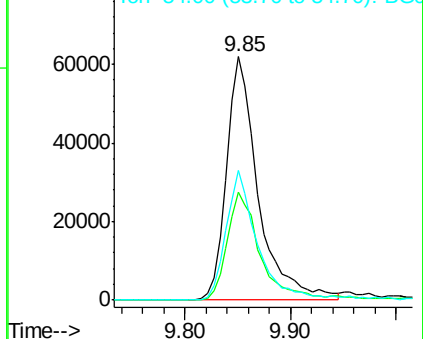
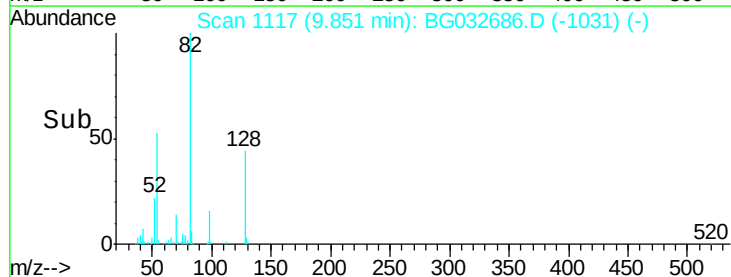


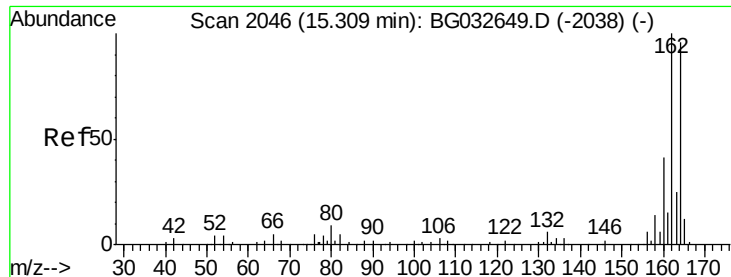
#23
Nitrobenzene-d5
Concen: 95.14 ng
RT: 9.85 min Scan# 1117
Delta R.T. -0.02 min
Lab File: BG032686.D
Acq: 14 Feb 2018 18:15

Tgt Ion: 82 Resp: 128362
Ion Ratio Lower Upper
82 100
128 44.1 29.7 44.5
54 53.4 43.1 64.7



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.29 min Scan# 2043

Delta R.T. -0.02 min

Lab File: BG032686.D

Acq: 14 Feb 2018 18:15

Instrument :

BNA_G

ClientSampleId :

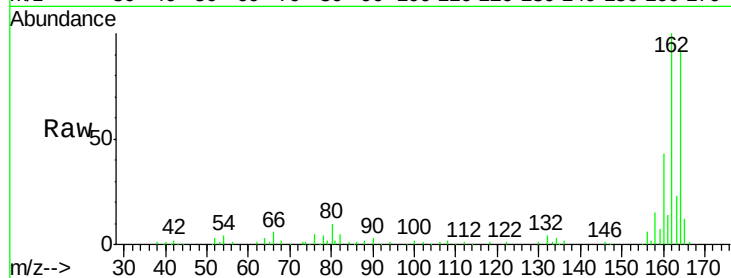
Tot Ion:164 Resp: 84728

Ion Ratio Lower Upper

164 100

162 108.8 78.8 118.2

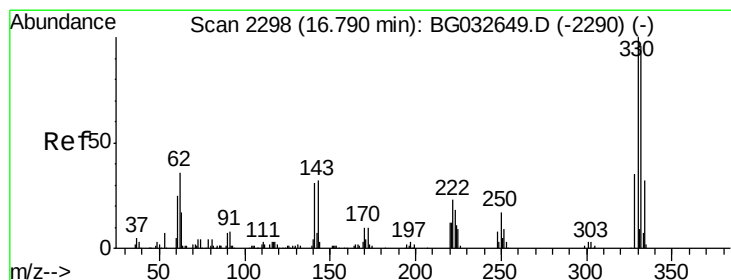
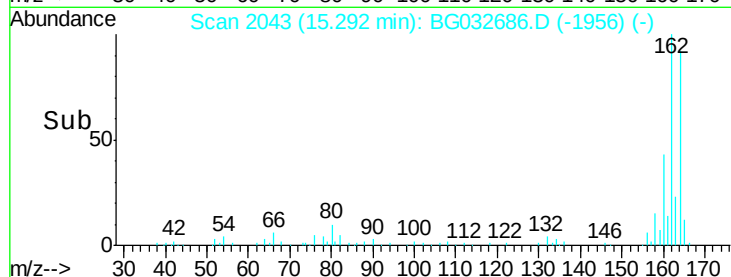
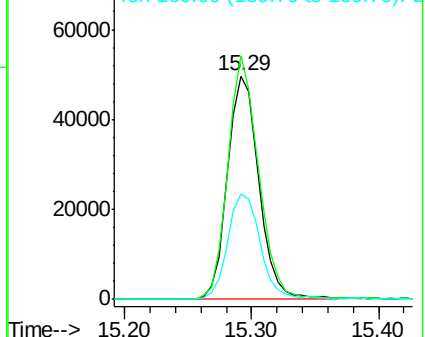
160 46.9 35.4 53.0



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: 162.74 ng

RT: 16.77 min Scan# 2295

Delta R.T. -0.02 min

Lab File: BG032686.D

Acq: 14 Feb 2018 18:15

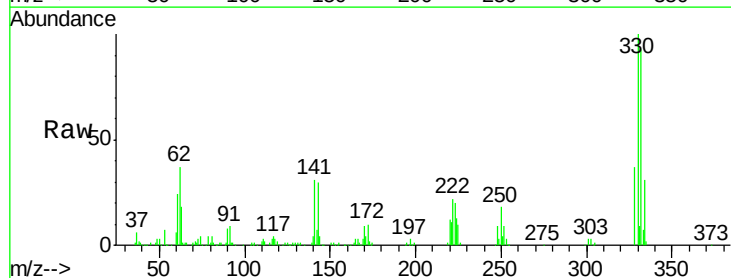
Tgt Ion:330 Resp: 212310

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

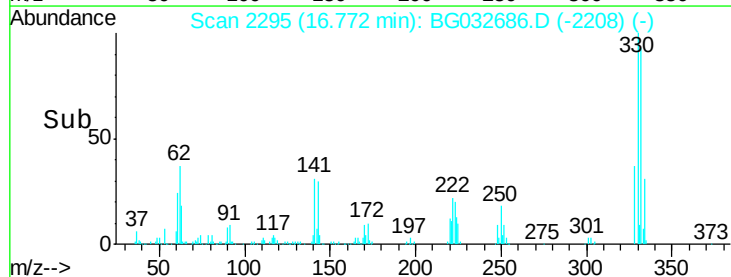
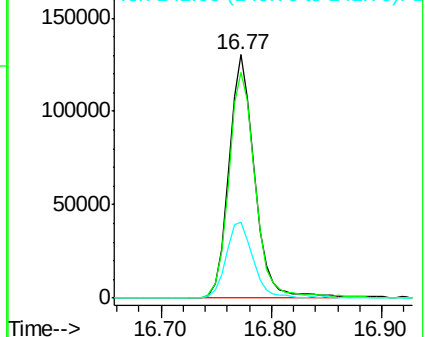
141 32.7 25.2 37.8

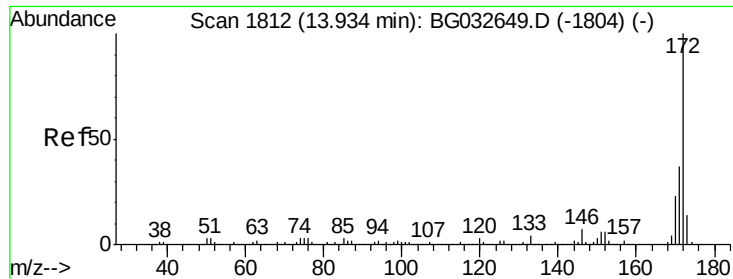


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

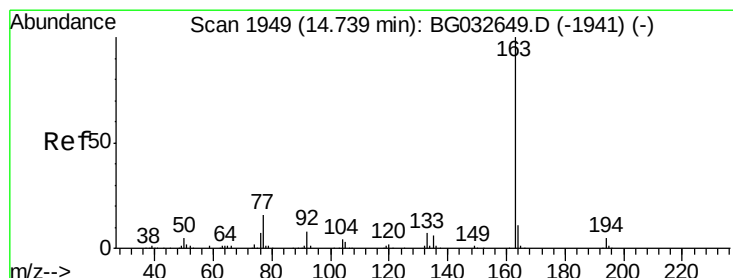
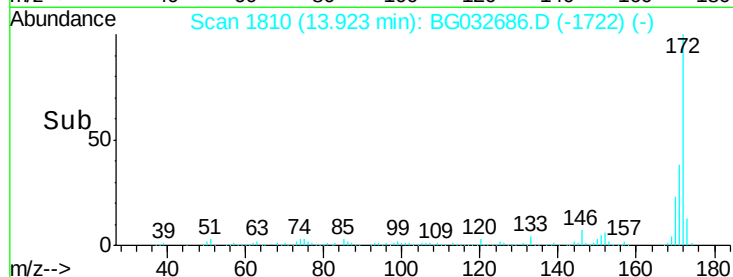
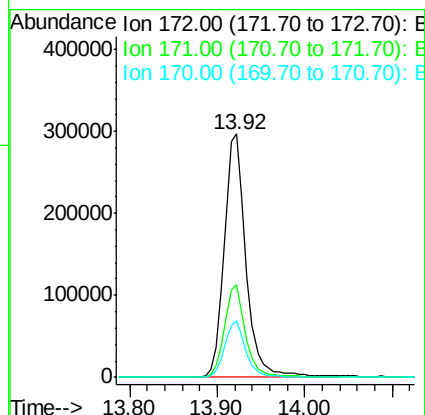
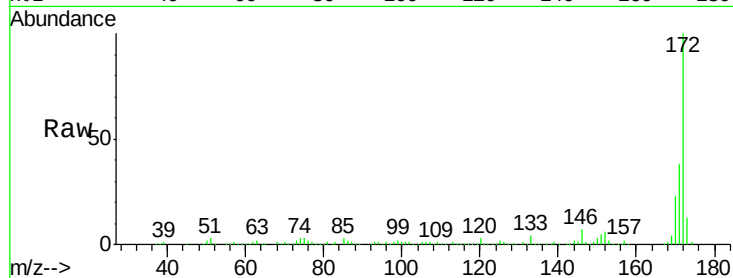




#44
2-Fluorobiphenyl
Concen: 75.44 ng
RT: 13.92 min Scan# 1810
Delta R.T. -0.01 min
Lab File: BG032686.D
Acq: 14 Feb 2018 18:15

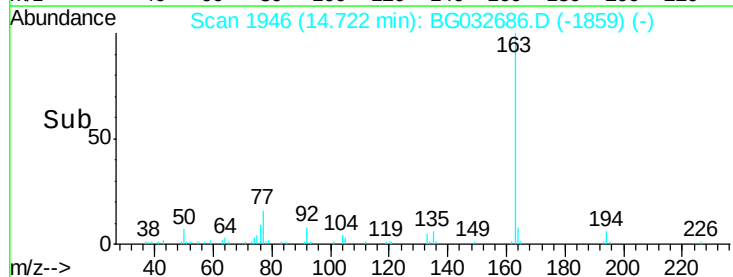
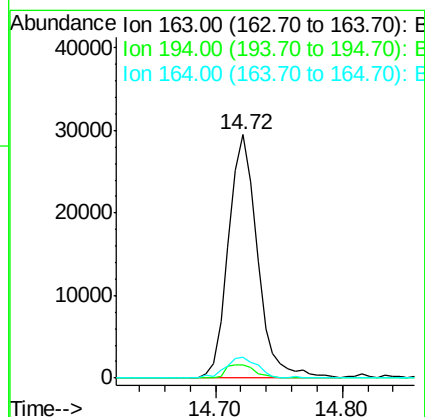
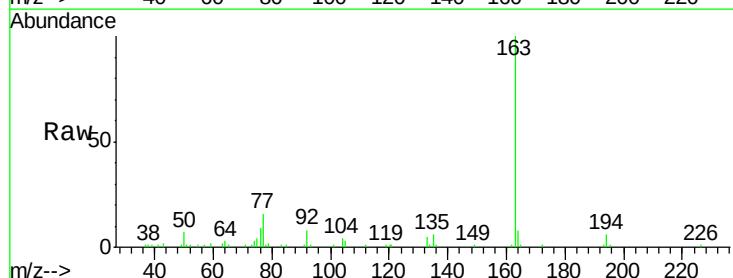
Instrument :
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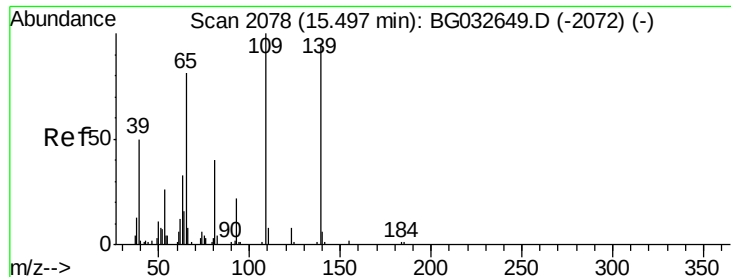
Tot Ion:172 Resp: 511121
Ion Ratio Lower Upper
172 100
171 38.1 30.0 45.0
170 23.2 19.5 29.3



#49
Dimethylphthalate
Concen: 6.39 ng
RT: 14.72 min Scan# 1946
Delta R.T. -0.02 min
Lab File: BG032686.D
Acq: 14 Feb 2018 18:15

Tgt Ion:163 Resp: 46804
Ion Ratio Lower Upper
163 100
194 5.5 3.4 5.2#
164 8.4 8.2 12.4

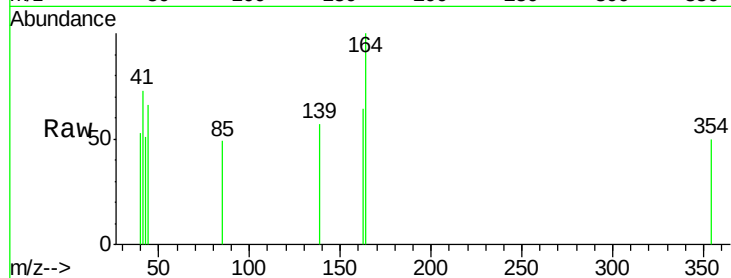




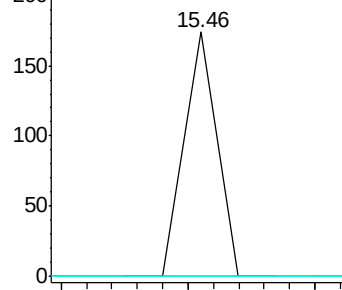
#55
4-Nitrophenol
Concen: 5.54 ng
RT: 15.46 min Scan# 2072
Delta R.T. -0.04 min
Lab File: BG032686.D
Acq: 14 Feb 2018 18:15

Instrument :
BNA_G
ClientSampleId :

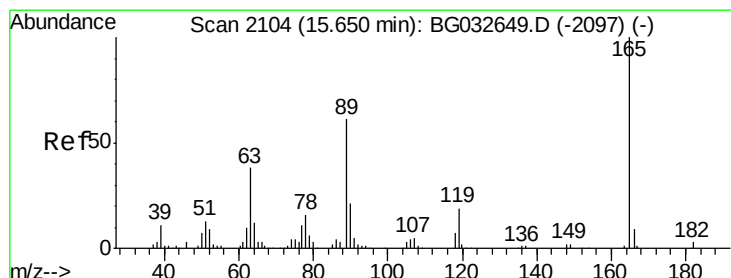
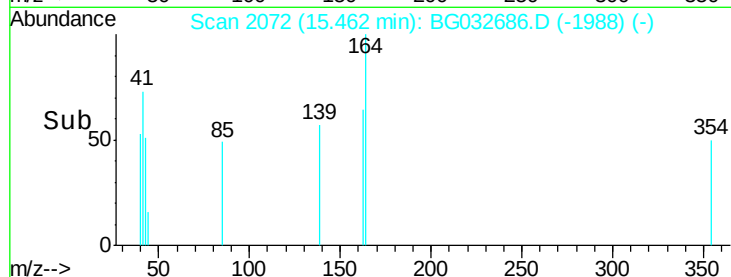
Tot Ion:139 Resp: 61
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): B

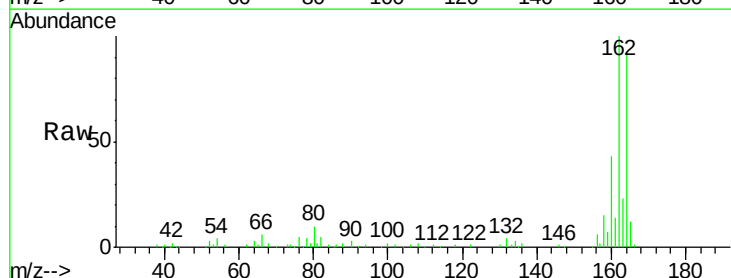


Time--> 15.44 15.46 15.48

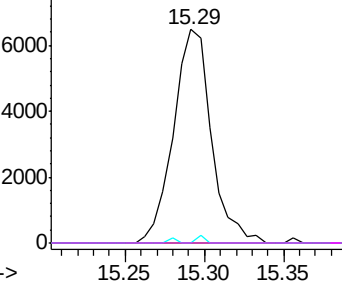


#56
2,4-Dinitrotoluene
Concen: 5.17 ng
RT: 15.29 min Scan# 2043
Delta R.T. -0.36 min
Lab File: BG032686.D
Acq: 14 Feb 2018 18:15

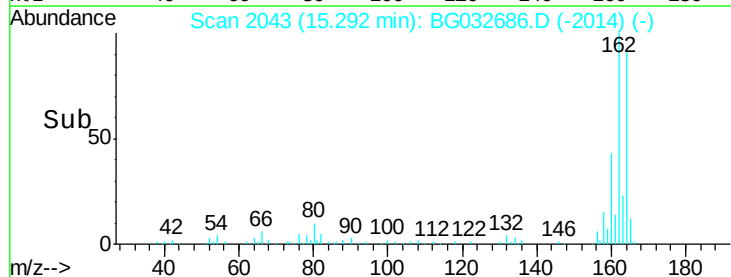
Tgt Ion:165 Resp: 10739
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#

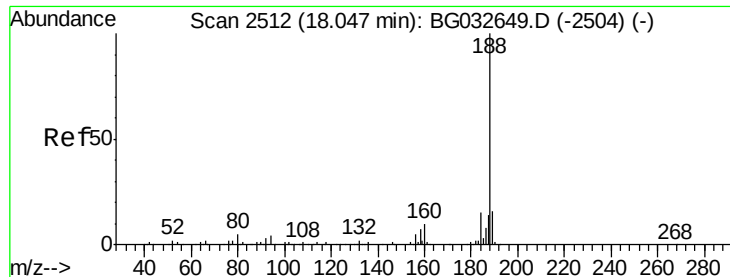


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): B
Ion 89.00 (88.70 to 89.70): B
Ion 182.00 (181.70 to 182.70): E



Time--> 15.25 15.30 15.35

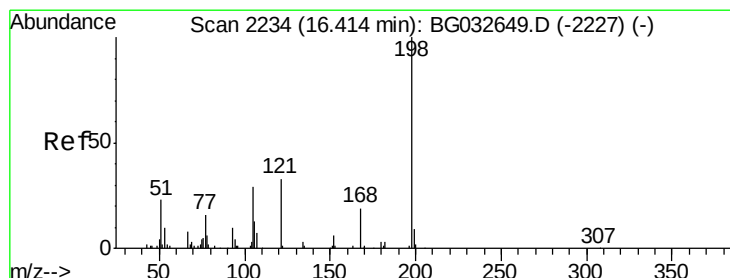
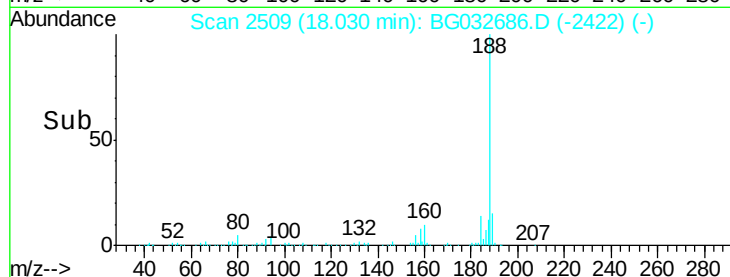
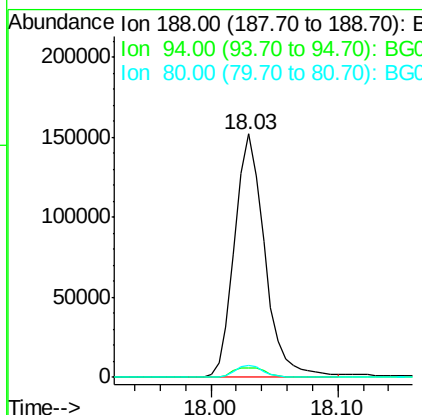
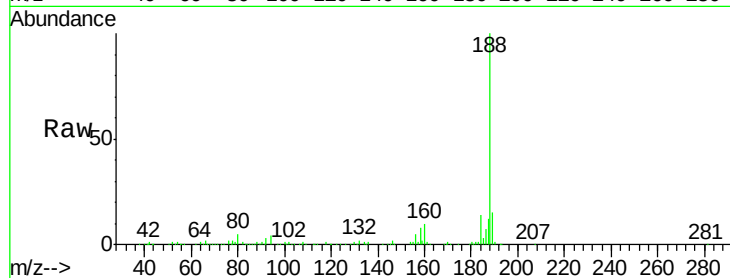




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.03 min Scan# 2509
Delta R.T. -0.02 min
Lab File: BG032686.D
Acq: 14 Feb 2018 18:15

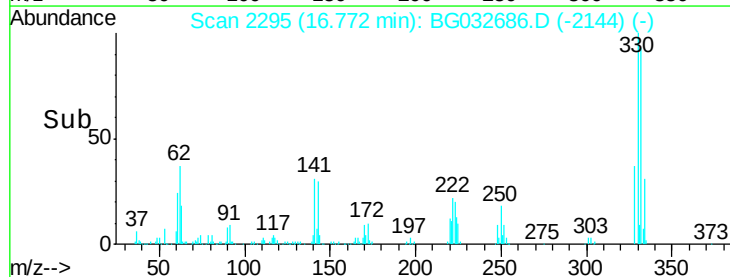
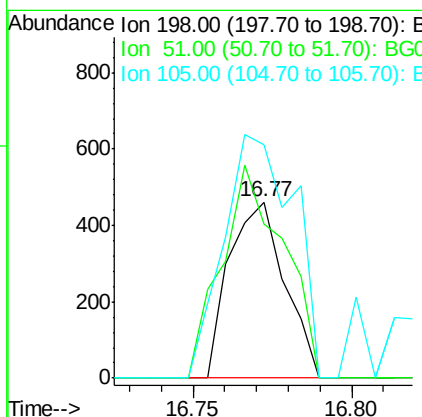
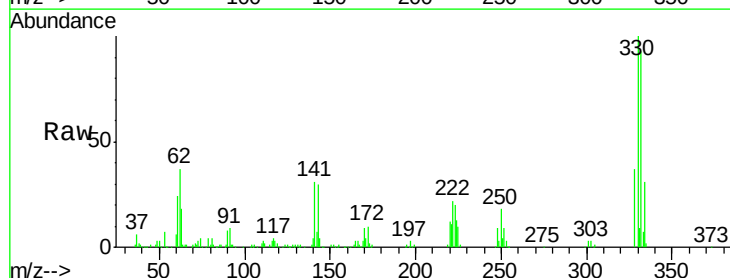
Instrument :
BNA_G
ClientSampleId :

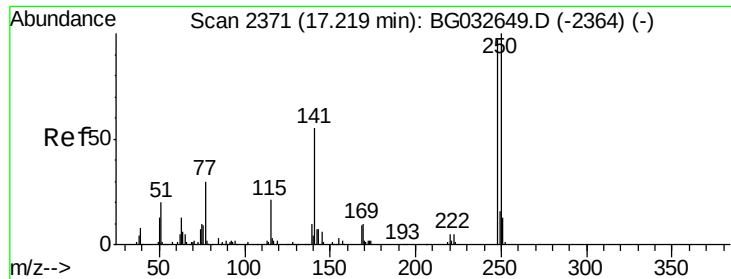
Tot Ion:188 Resp: 251752
Ion Ratio Lower Upper
188 100
94 4.1 6.9 10.3#
80 4.9 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 5.30 ng
RT: 16.77 min Scan# 2295
Delta R.T. 0.36 min
Lab File: BG032686.D
Acq: 14 Feb 2018 18:15

Tgt Ion:198 Resp: 559
Ion Ratio Lower Upper
198 100
51 87.2 30.6 70.6#
105 132.5 23.8 63.8#

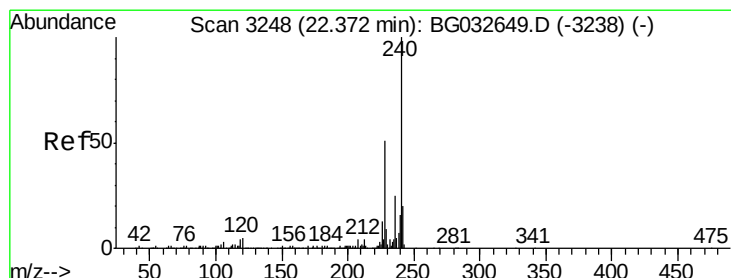
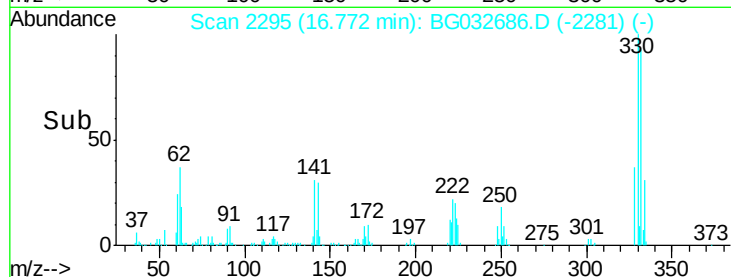
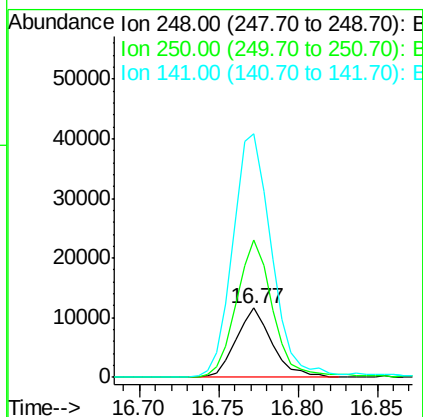
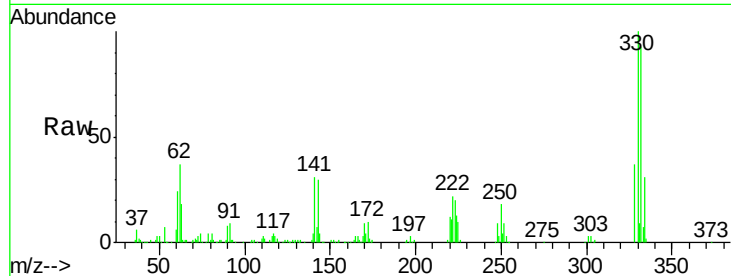




#66
4-Bromophenyl-phenylether
Concen: 5.04 ng
RT: 16.77 min Scan# 2295
Delta R.T. -0.45 min
Lab File: BG032686.D
Acq: 14 Feb 2018 18:15

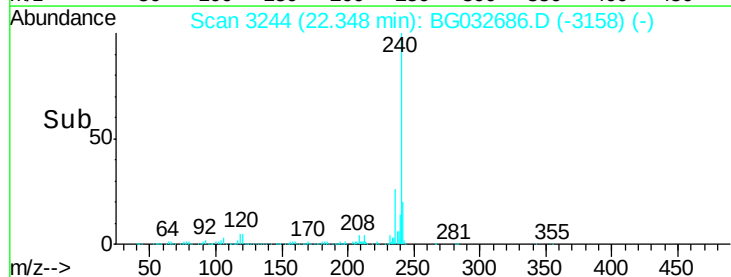
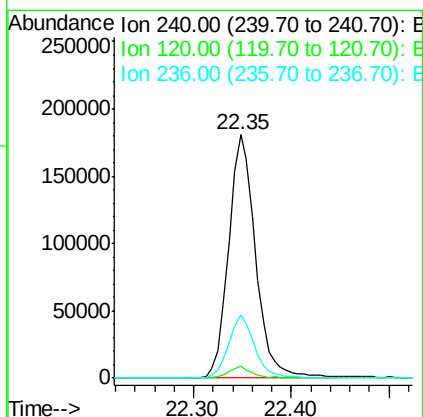
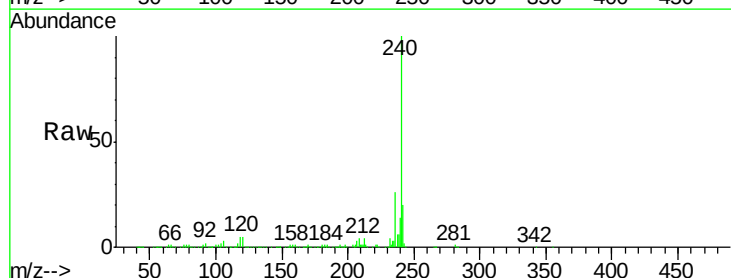
Instrument :
BNA_G
ClientSampleId :

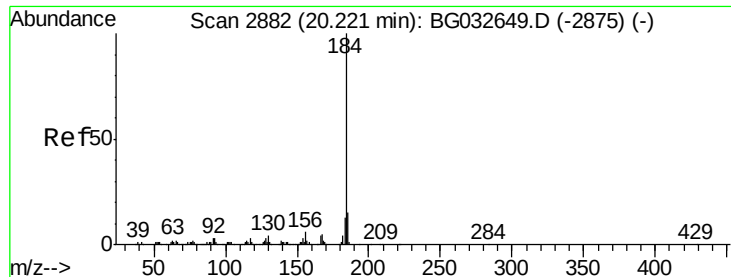
Tot Ion:248 Resp: 18161
Ion Ratio Lower Upper
248 100
250 198.1 77.1 115.7#
141 350.5 50.8 76.2#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 22.35 min Scan# 3244
Delta R.T. -0.02 min
Lab File: BG032686.D
Acq: 14 Feb 2018 18:15

Tgt Ion:240 Resp: 345829
Ion Ratio Lower Upper
240 100
120 4.9 6.8 10.2#
236 25.9 20.9 31.3





#76

Benzidine

Concen: 2.23 ng

RT: 20.57 min Scan# 2942

Delta R.T. 0.35 min

Lab File: BG032686.D

Acq: 14 Feb 2018 18:15

Instrument :

BNA_G

ClientSampleId :

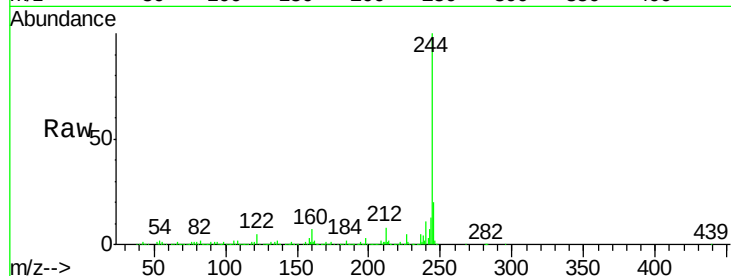
Tot Ion:184 Resp: 18198

Ion Ratio Lower Upper

184 100

185 17.0 11.1 16.7#

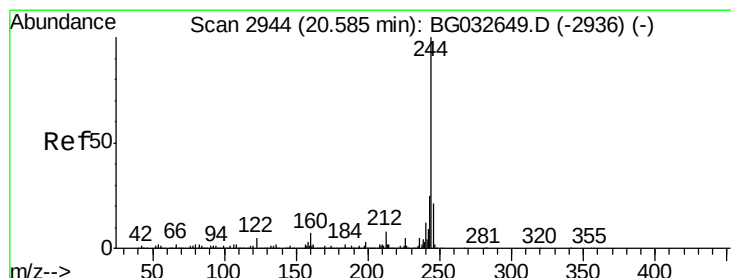
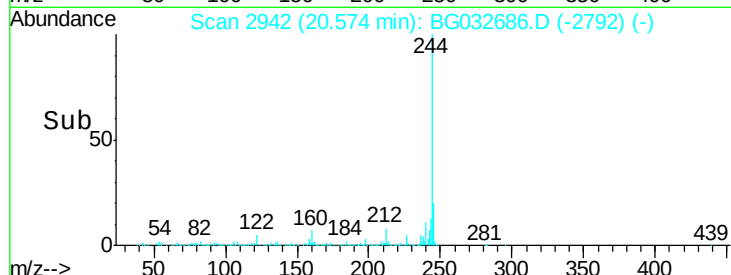
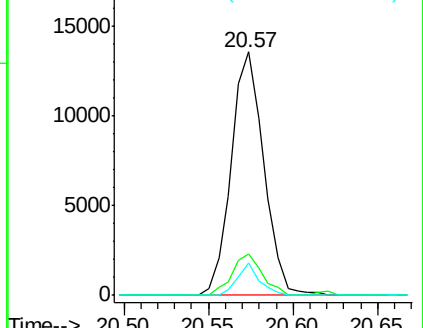
183 13.4 10.6 16.0



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 77.98 ng

RT: 20.57 min Scan# 2942

Delta R.T. -0.01 min

Lab File: BG032686.D

Acq: 14 Feb 2018 18:15

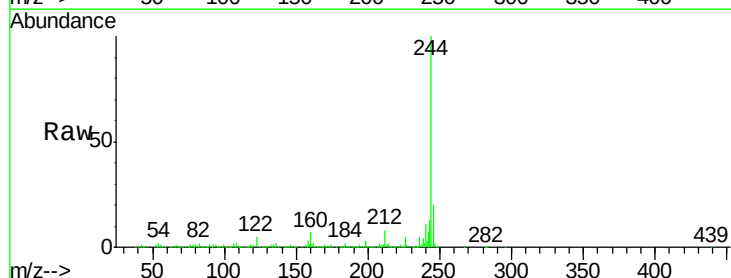
Tgt Ion:244 Resp: 1183161

Ion Ratio Lower Upper

244 100

212 8.0 5.8 8.8

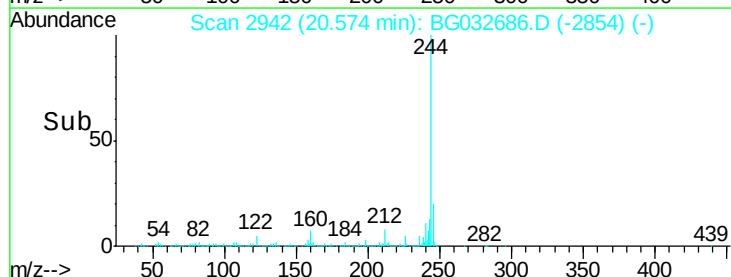
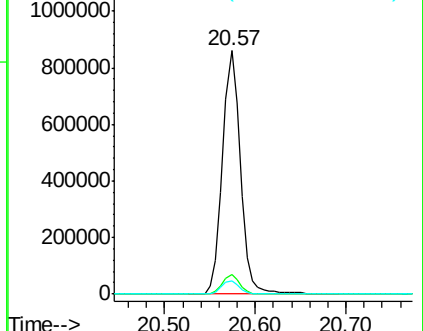
122 5.5 7.0 10.4#

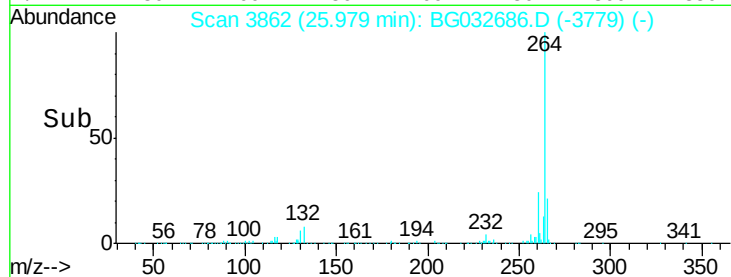
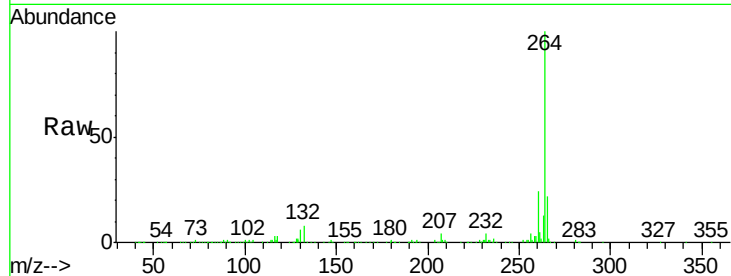
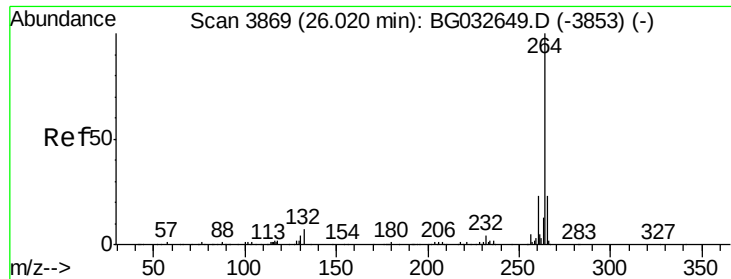


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.98 min Scan# 3862
Delta R.T. -0.04 min
Lab File: BG032686.D
Acq: 14 Feb 2018 18:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	17.4	26.0
265	21.5	17.7	26.5

