

Data Path : U:\HPCHEM1\BNA G\DATA\BG012618\
 Data File : BG032341.D
 Acq On : 26 Jan 2018 23:07
 Operator : SJ/JU
 Sample : J1288-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 27 00:18:20 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 24 14:02:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.72	152	30732	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	117118	20.00	ng	-0.01
38) Acenaphthene-d10	15.35	164	86033	20.00	ng	-0.01
63) Phenanthrene-d10	18.09	188	250361	20.00	ng	0.00
75) Chrysene-d12	22.41	240	322657	20.00	ng	-0.01
86) Perylene-d12	26.09	264	345003	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.15	112	217046	129.17	ng	0.00
7) Phenol-d6	7.83	99	267085	126.21	ng	0.00
23) Nitrobenzene-d5	9.92	82	168854	97.54	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	223988	157.33	ng	0.00
44) 2-Fluorobiphenyl	13.98	172	587295	84.64	ng	0.00
78) Terphenyl-d14	20.62	244	1226255	83.92	ng	-0.01

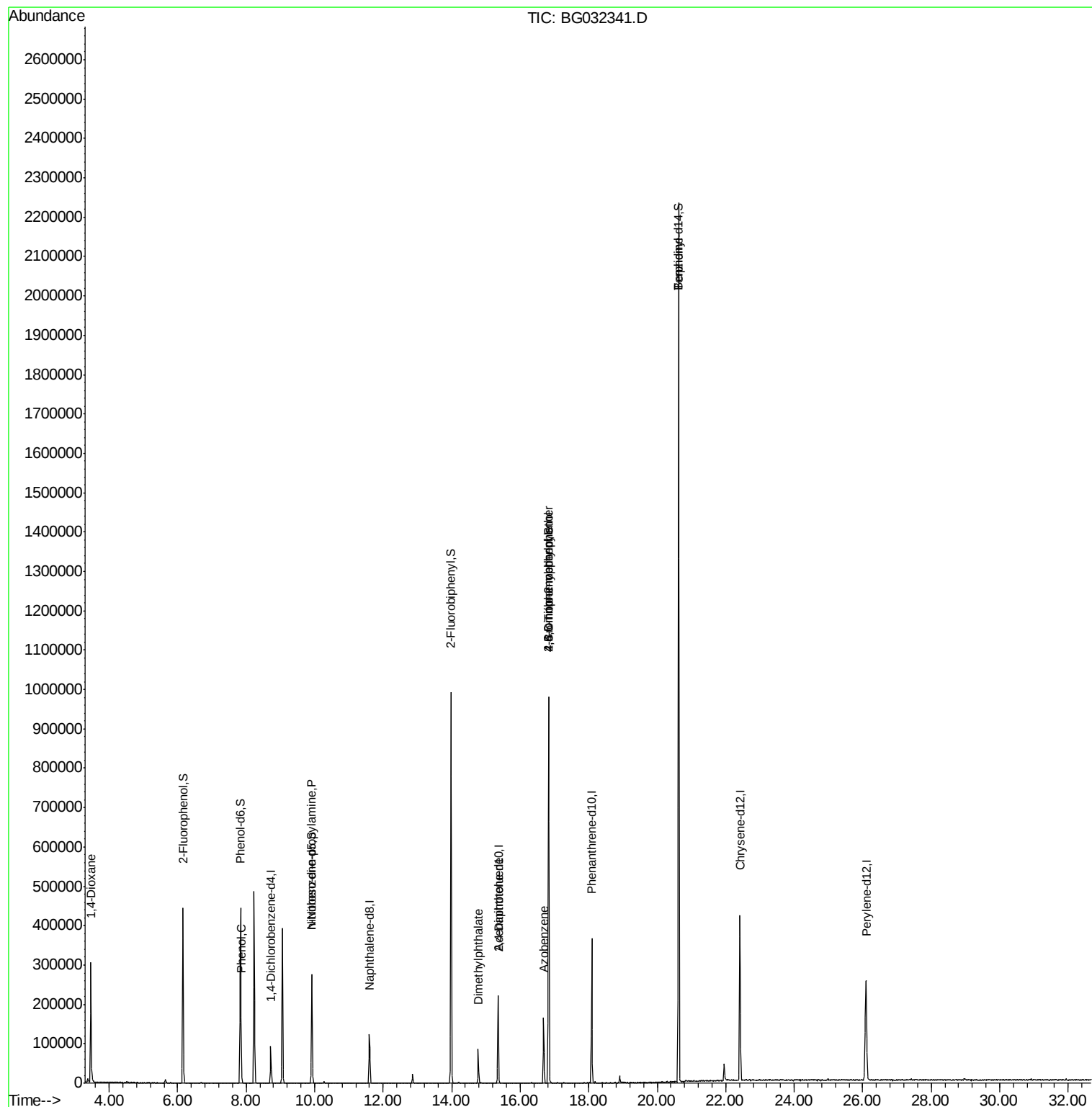
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.46	88	2951	4.571	ng	# 1
10) Phenol	7.86	94	10063	4.827	ng	# 67
19) n-Nitroso-di-n-propylamine	9.92	70	24987	19.030	ng	# 73
49) Dimethylphthalate	14.78	163	65905	8.754	ng	# 96
56) 2,4-Dinitrotoluene	15.36	165	10763	5.116	ng	# 16
62) Azobenzene	16.69	77	42435	9.289	ng	# 1
64) 4,6-Dinitro-2-methylphenol	16.83	198	609	5.226	ng	# 1
66) 4-Bromophenyl-phenylether	16.83	248	19286	5.414	ng	# 1
76) Benzidine	20.63	184	17625	2.184	ng	# 92

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.72 min Scan# 924

Delta R.T. -0.00 min

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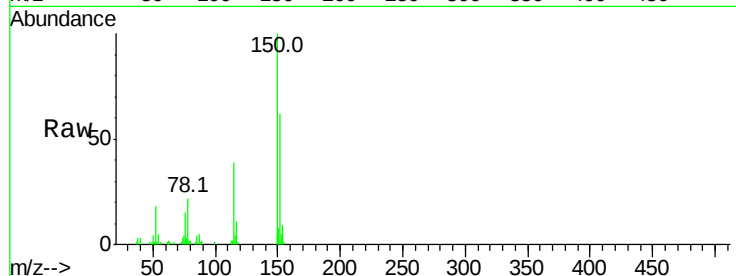
Tot Ion:152 Resp: 30732

Ion Ratio Lower Upper

152 100

150 161.8 126.6 189.8

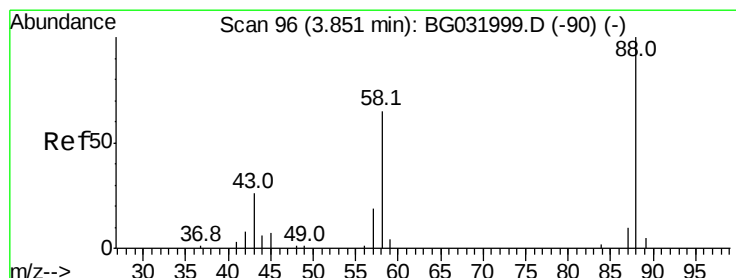
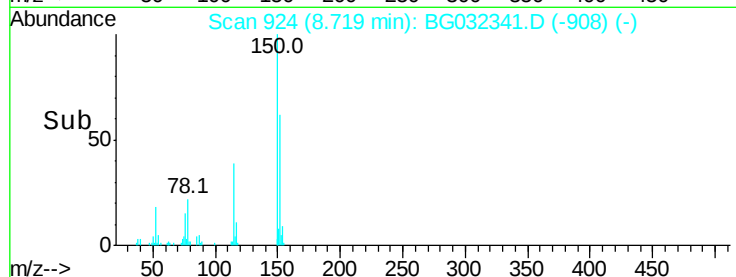
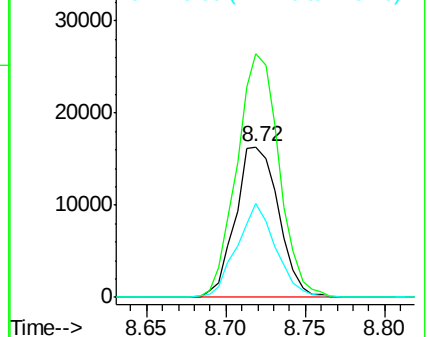
115 62.8 53.0 79.4



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



#2

1,4-Dioxane

Concen: 4.571 ng

RT: 3.46 min Scan# 29

Delta R.T. -0.36 min

Lab File: BG032341.D

Acq: 26 Jan 2018 23:07

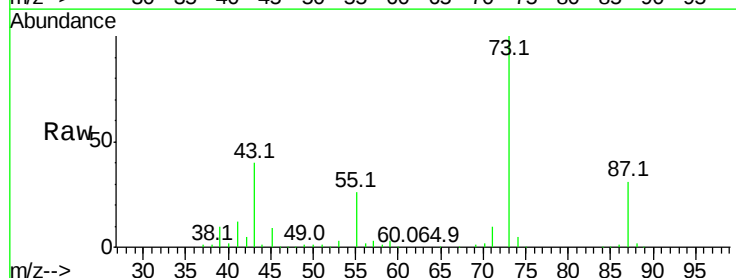
Tgt Ion: 88 Resp: 2951

Ion Ratio Lower Upper

88 100

58 44.5 79.6 119.4#

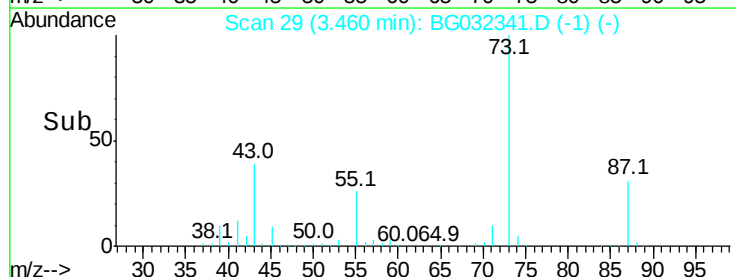
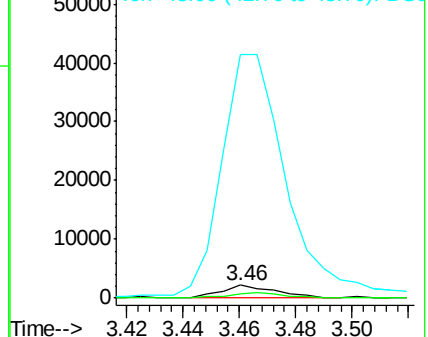
43 2201.0 27.4 41.0#

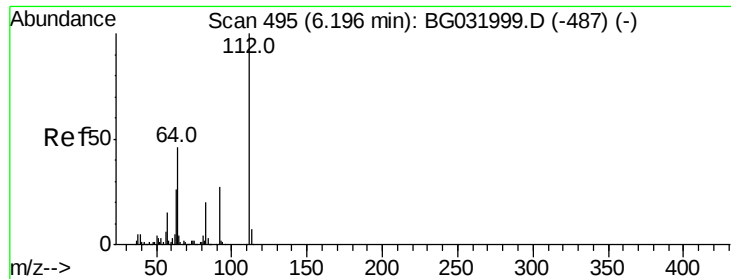


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 129.169 ng

RT: 6.15 min Scan# 487

Delta R.T. -0.00 min

Lab File: BG032341.D

Acq: 26 Jan 2018 23:07

Instrument :

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ClientSampleId :

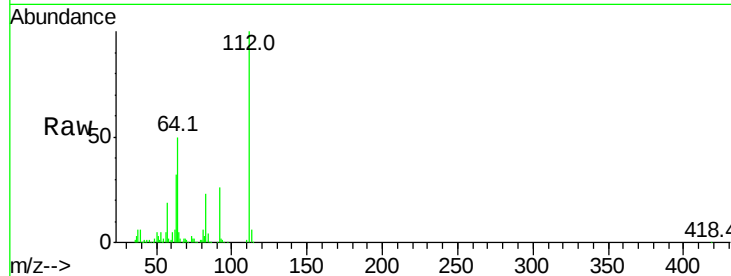
Tot Ion:112 Resp: 217046

Ion Ratio Lower Upper

112 100

64 50.5 56.3 84.5#

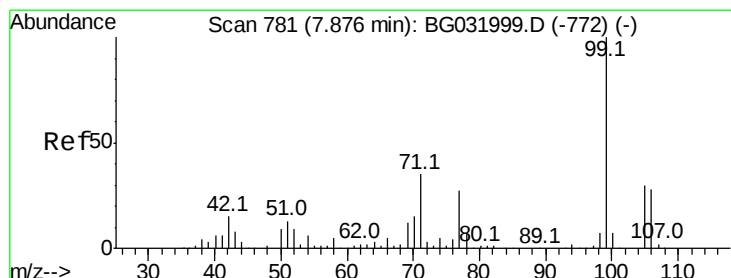
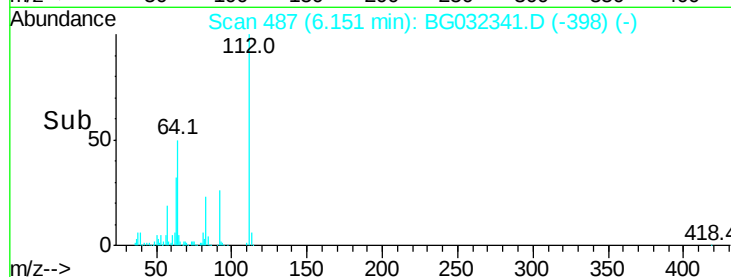
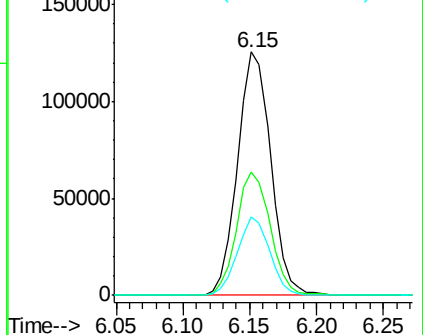
63 32.2 30.1 45.1



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: 126.206 ng

RT: 7.83 min Scan# 773

Delta R.T. -0.00 min

Lab File: BG032341.D

Acq: 26 Jan 2018 23:07

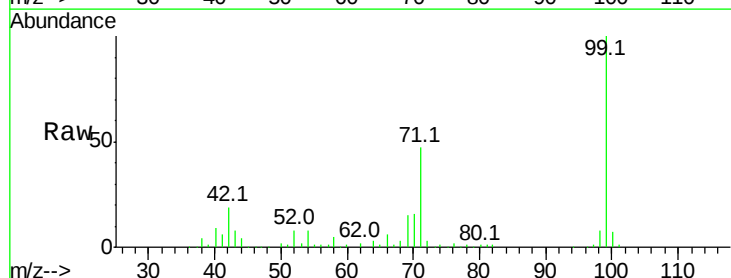
Tgt Ion: 99 Resp: 267085

Ion Ratio Lower Upper

99 100

42 19.3 14.1 21.1

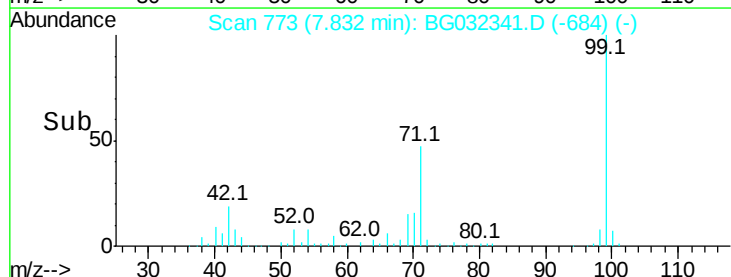
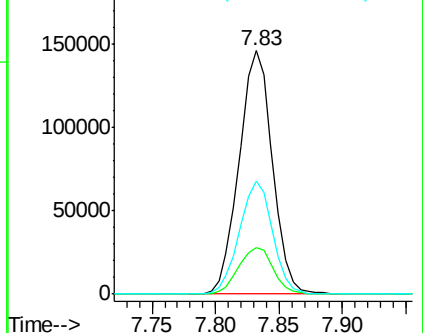
71 46.5 26.1 39.1#

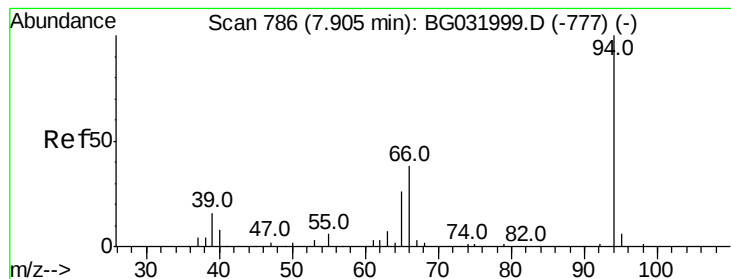


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 4.827 ng

RT: 7.86 min Scan# 777

Delta R.T. -0.01 min

Lab File: BG032341.D

Acq: 26 Jan 2018 23:07

Instrument :

BNA_G

ClientSampleId :

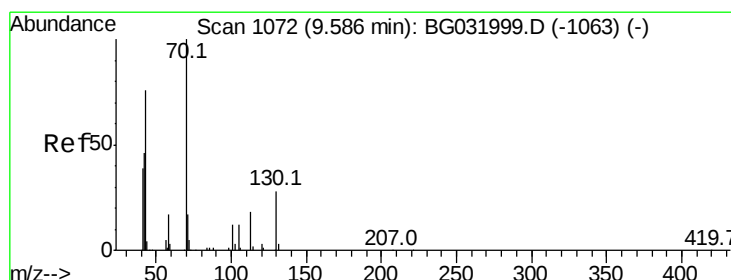
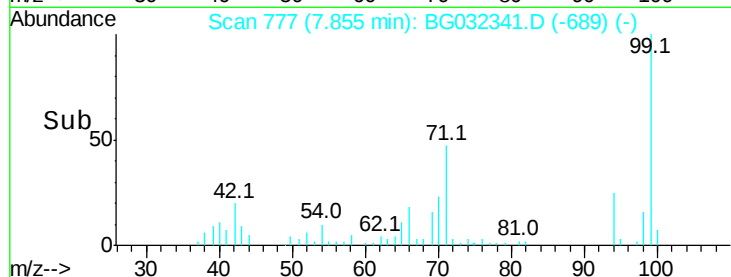
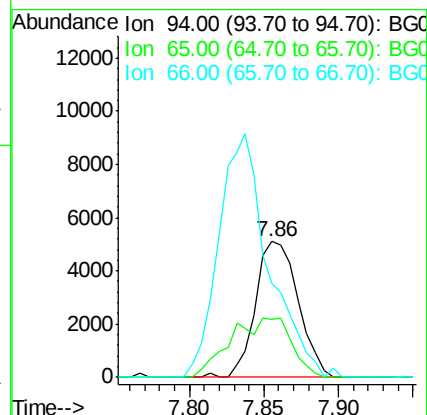
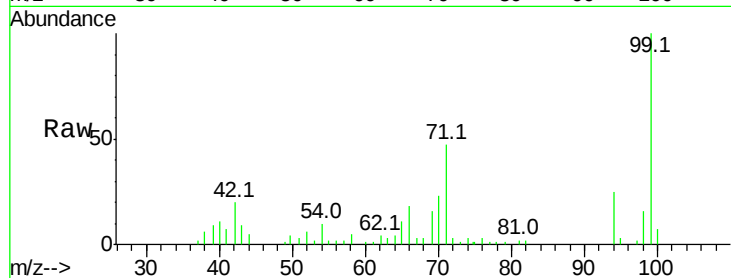
Tot Ion: 94 Resp: 10063

Ion Ratio Lower Upper

94 100

65 42.4 11.9 51.9

66 69.7 22.2 62.2#



#19

n-Nitroso-di-n-propylamine

Concen: 19.030 ng

RT: 9.92 min Scan# 1128

Delta R.T. 0.38 min

Lab File: BG032341.D

Acq: 26 Jan 2018 23:07

Tgt Ion: 70 Resp: 24987

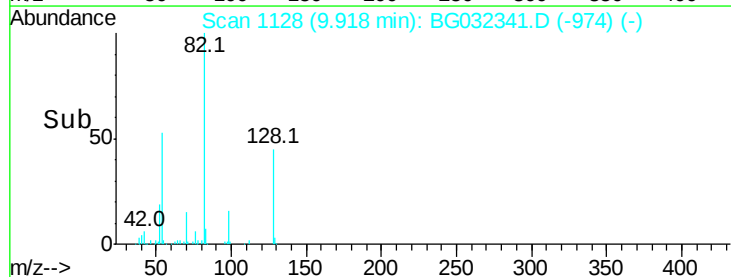
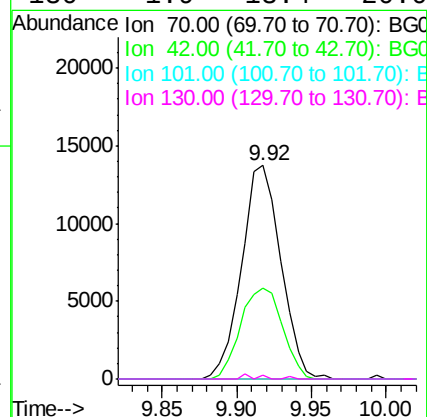
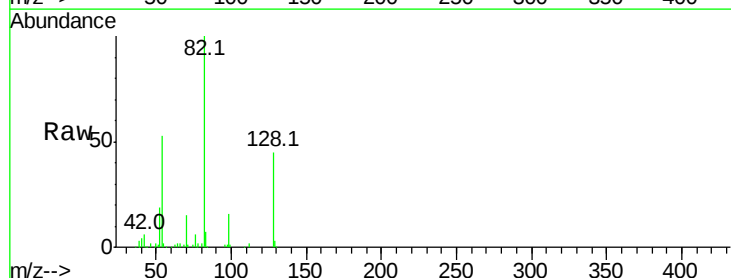
Ion Ratio Lower Upper

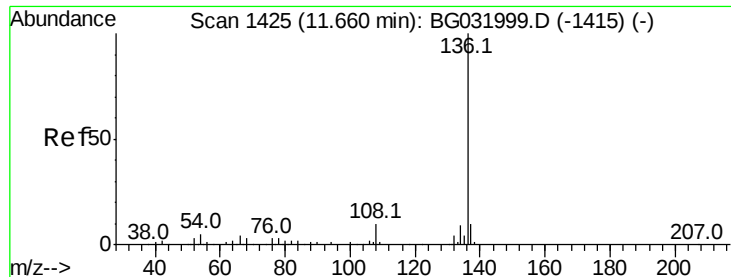
70 100

42 42.3 49.1 73.7#

101 0.0 8.5 12.7#

130 1.9 13.4 20.0#

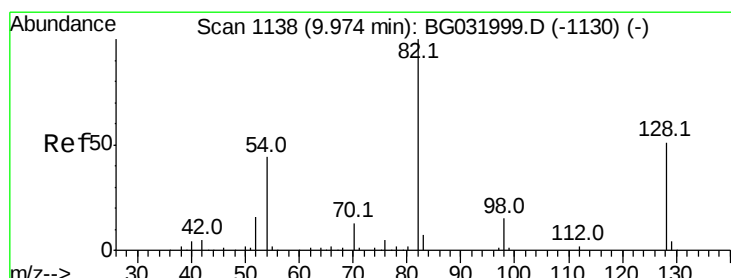
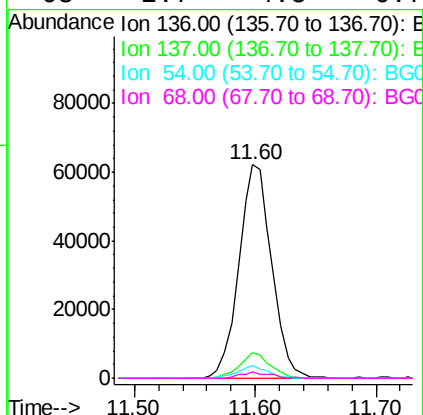
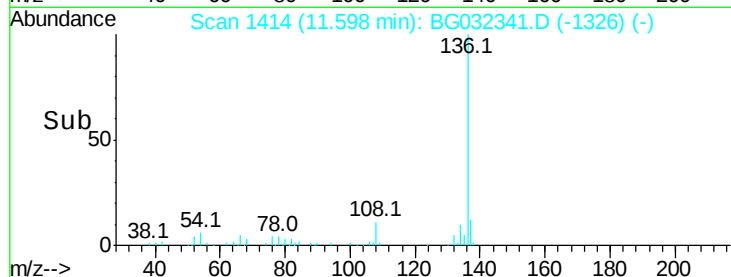
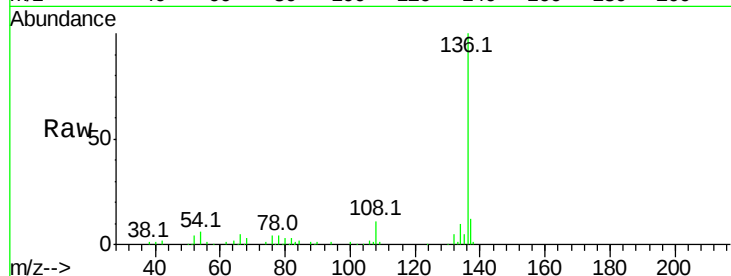




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BG032341.D
Acq: 26 Jan 2018 23:07

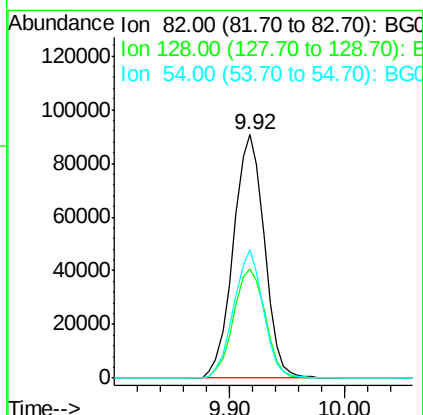
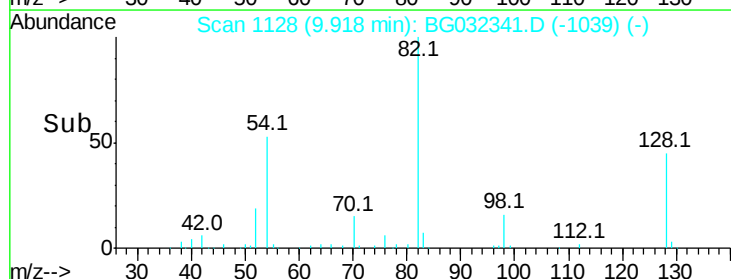
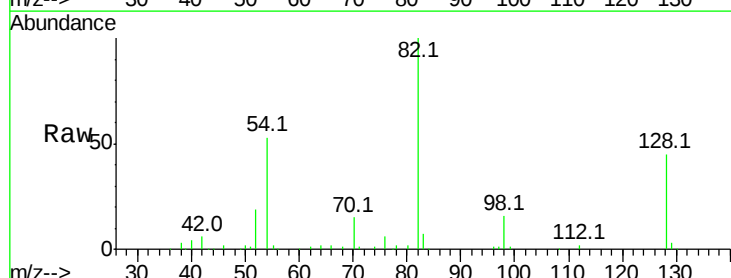
Instrument :
BNA_G
ClientSampleId :

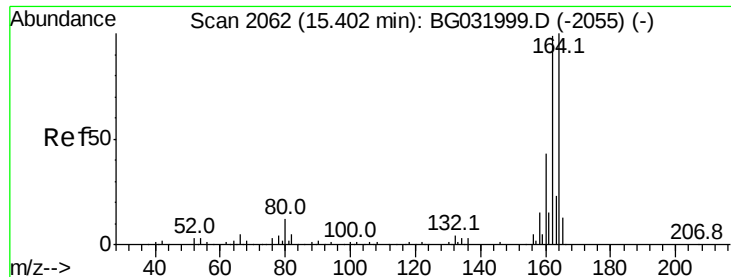
Tot Ion:136	Resp:	117118
Ion Ratio	Lower	Upper
136	100	
137	12.0	9.2 13.8
54	6.0	10.3 15.5#
68	2.7	4.5 6.7#



#23
Nitrobenzene-d5
Concen: 97.540 ng
RT: 9.92 min Scan# 1128
Delta R.T. -0.00 min
Lab File: BG032341.D
Acq: 26 Jan 2018 23:07

Tgt Ion: 82	Resp:	168854
Ion Ratio	Lower	Upper
82	100	
128	45.1	29.7 44.5#
54	52.8	43.1 64.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.35 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BG032341.D

Acq: 26 Jan 2018 23:07

Instrument :

BNA_G

ClientSampleId :

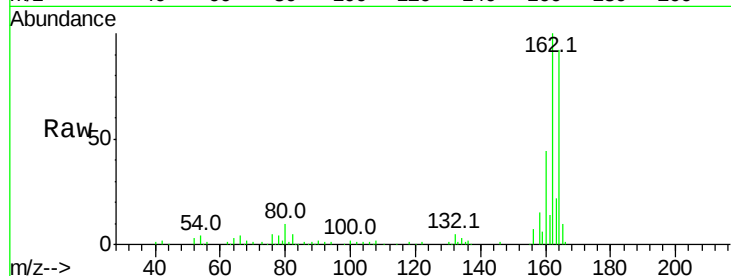
Tot Ion:164 Resp: 86033

Ion Ratio Lower Upper

164 100

162 108.3 78.8 118.2

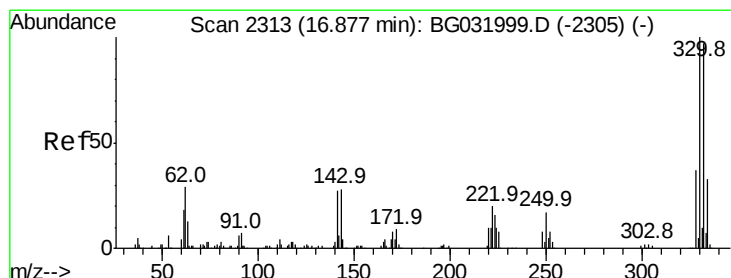
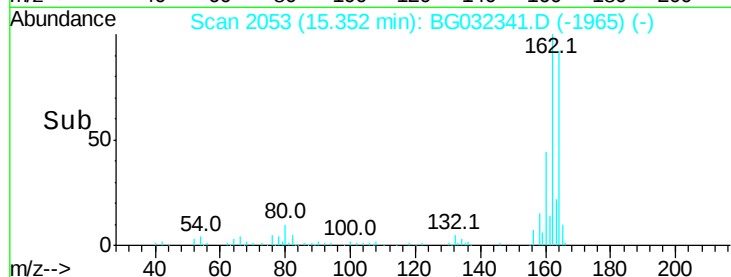
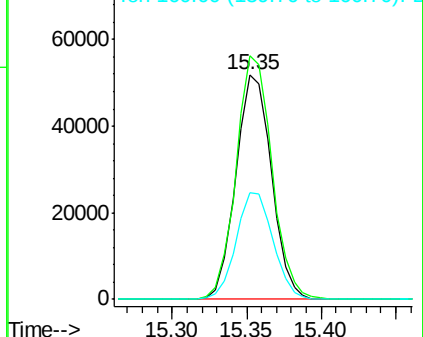
160 47.2 35.4 53.0



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: 157.334 ng

RT: 16.83 min Scan# 2305

Delta R.T. -0.00 min

Lab File: BG032341.D

Acq: 26 Jan 2018 23:07

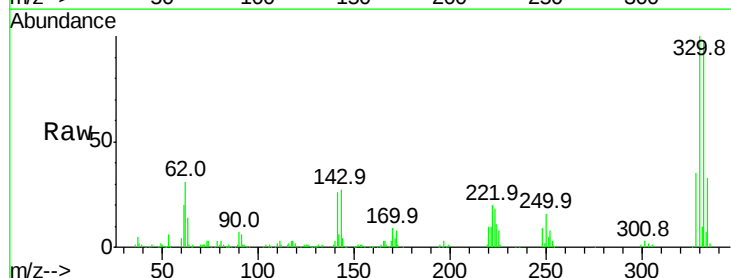
Tgt Ion:330 Resp: 223988

Ion Ratio Lower Upper

330 100

332 97.7 77.0 115.6

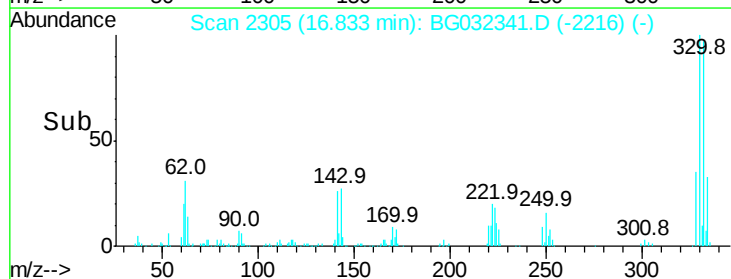
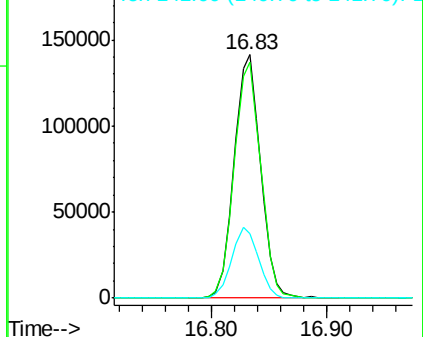
141 29.3 25.2 37.8

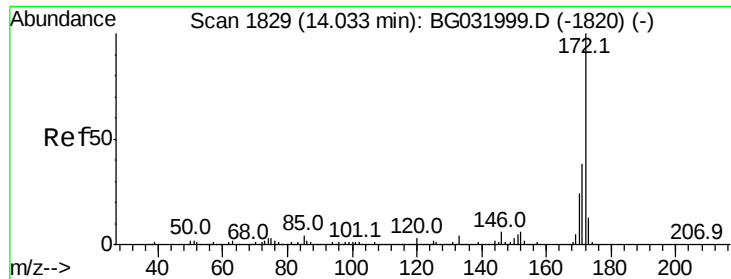


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

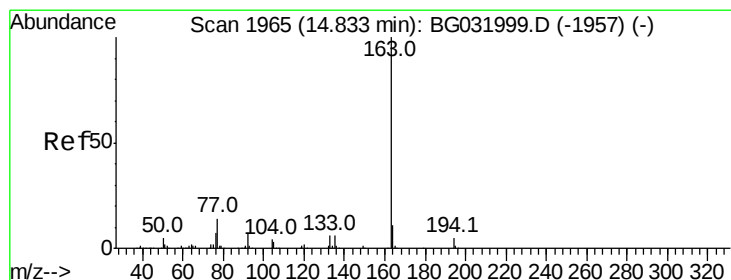
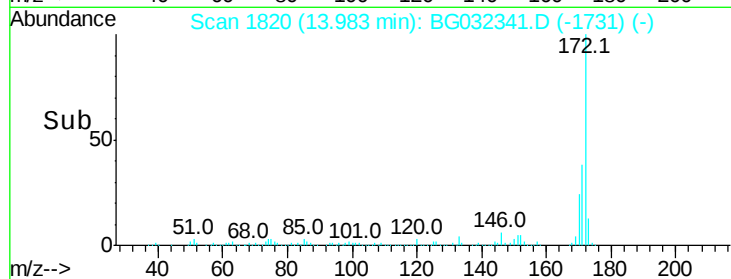
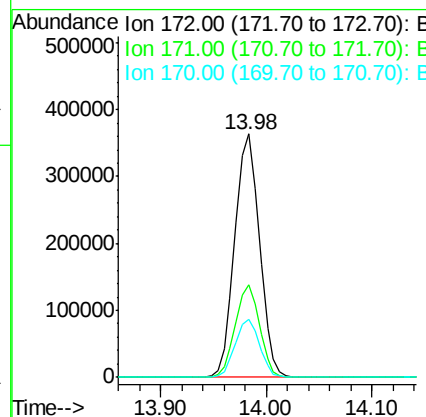
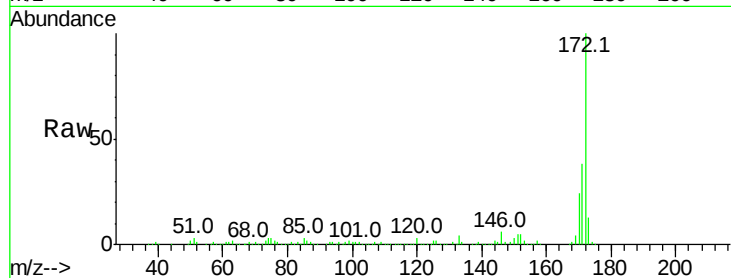




#44
2-Fluorobiphenyl
Concen: 84.644 ng
RT: 13.98 min Scan# 1820
Delta R.T. -0.00 min
Lab File: BG032341.D
Acq: 26 Jan 2018 23:07

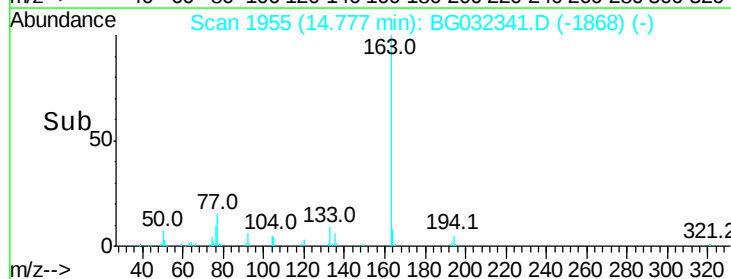
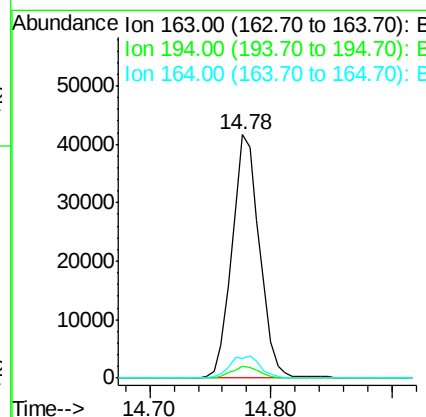
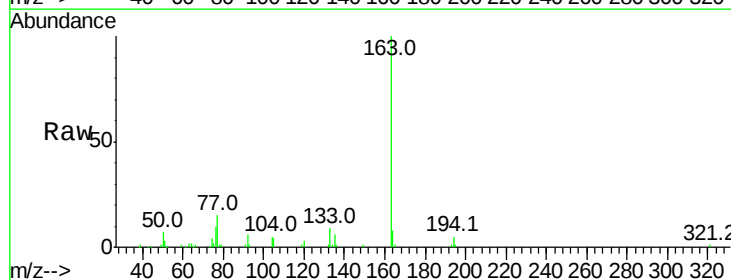
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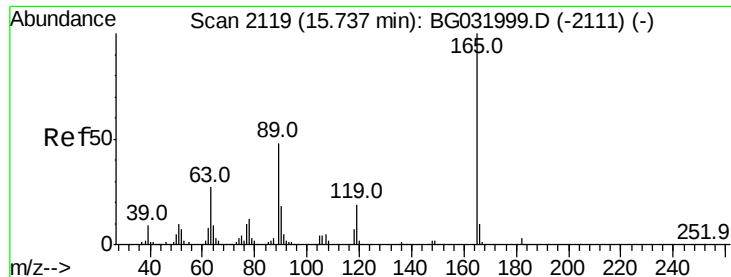
Tot Ion:172 Resp: 587295
Ion Ratio Lower Upper
172 100
171 38.1 30.0 45.0
170 23.6 19.5 29.3



#49
Dimethylphthalate
Concen: 8.754 ng
RT: 14.78 min Scan# 1955
Delta R.T. -0.02 min
Lab File: BG032341.D
Acq: 26 Jan 2018 23:07

Tgt Ion:163 Resp: 65905
Ion Ratio Lower Upper
163 100
194 4.8 3.4 5.2
164 8.3 8.2 12.4

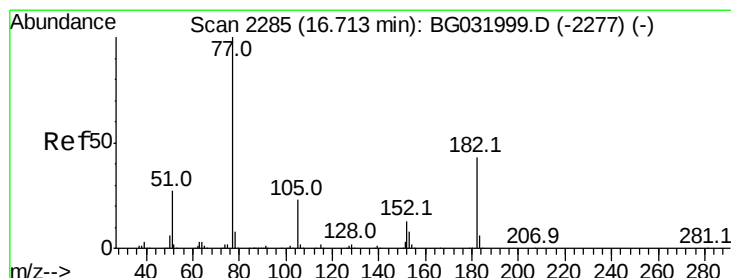
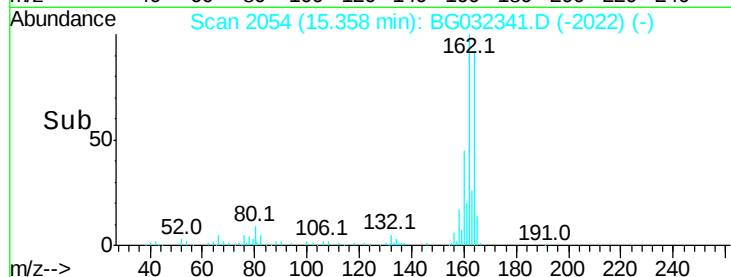
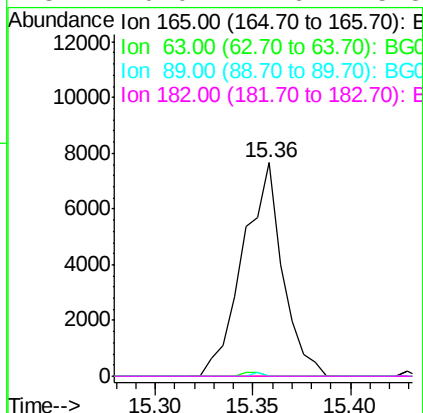
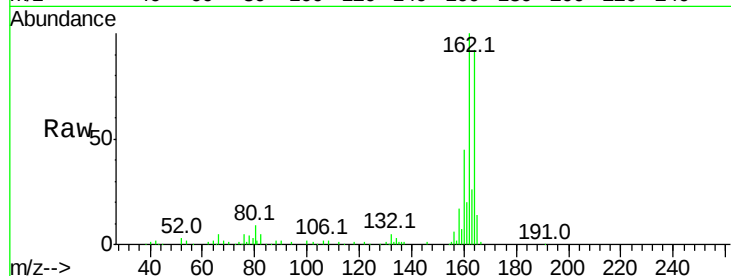




#56
2,4-Dinitrotoluene
Concen: 5.116 ng
RT: 15.36 min Scan# 2054
Delta R.T. -0.34 min
Lab File: BG032341.D
Acq: 26 Jan 2018 23:07

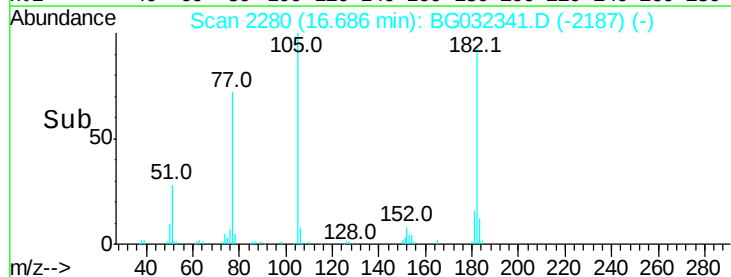
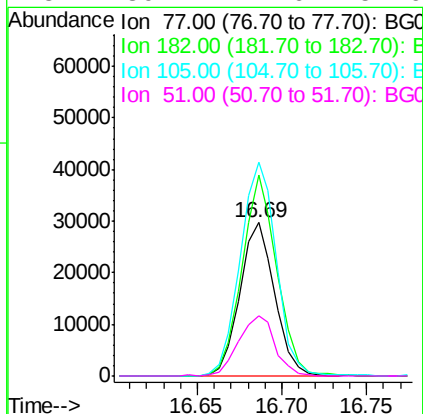
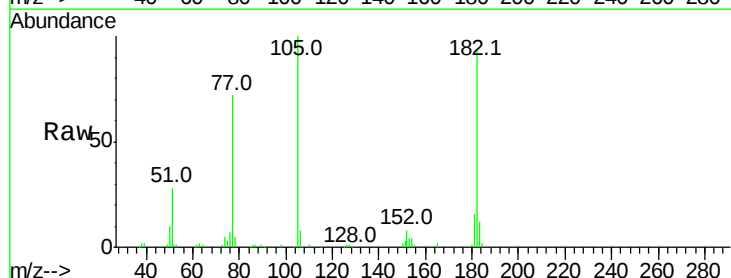
Instrument :
BNA_G
ClientSampleId :

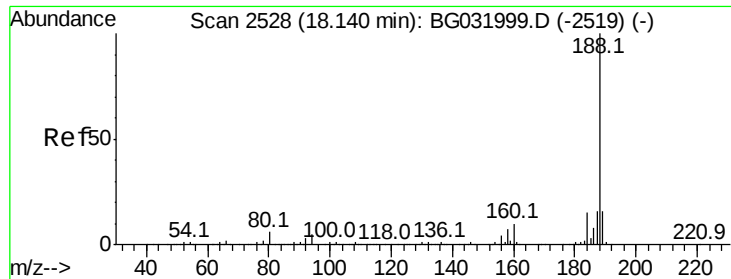
Tot Ion:165 Resp: 10763
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#



#62
Azobenzene
Concen: 9.289 ng
RT: 16.69 min Scan# 2280
Delta R.T. 0.02 min
Lab File: BG032341.D
Acq: 26 Jan 2018 23:07

Tgt Ion: 77 Resp: 42435
Ion Ratio Lower Upper
77 100
182 131.7 7.4 47.4#
105 139.6 0.3 40.3#
51 39.1 11.6 51.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.09 min Scan# 2519

Delta R.T. -0.00 min

Lab File: BG032341.D

Acq: 26 Jan 2018 23:07

Instrument :

BNA_G

ClientSampleId :

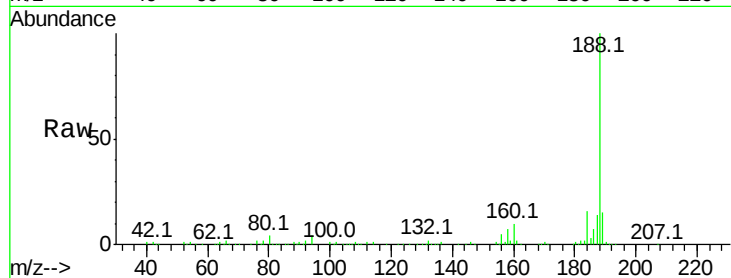
Tot Ion:188 Resp: 250361

Ion Ratio Lower Upper

188 100

94 3.8 6.9 10.3#

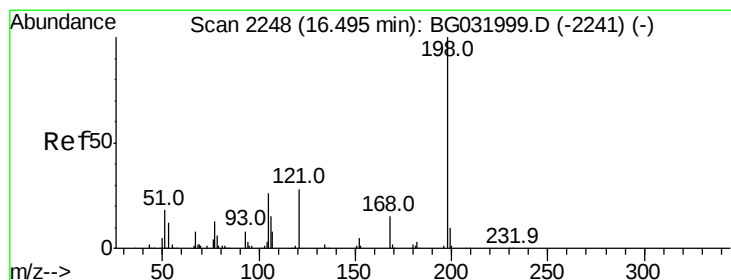
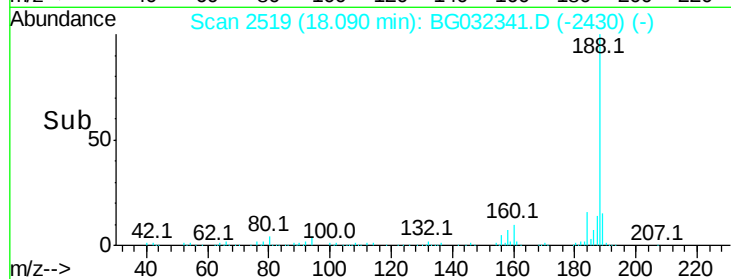
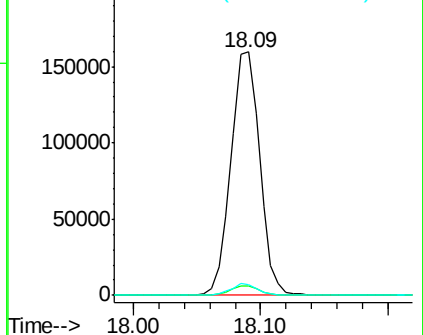
80 4.1 7.7 11.5#



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: 5.226 ng

RT: 16.83 min Scan# 2305

Delta R.T. 0.38 min

Lab File: BG032341.D

Acq: 26 Jan 2018 23:07

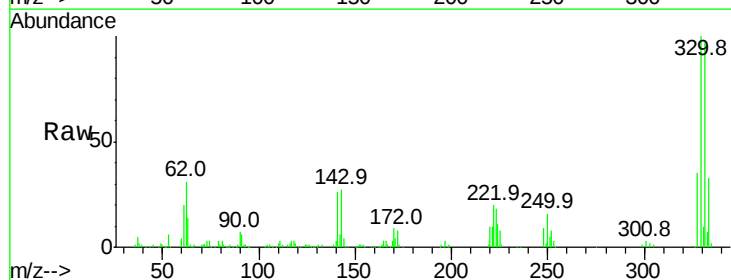
Tgt Ion:198 Resp: 609

Ion Ratio Lower Upper

198 100

51 113.4 30.6 70.6#

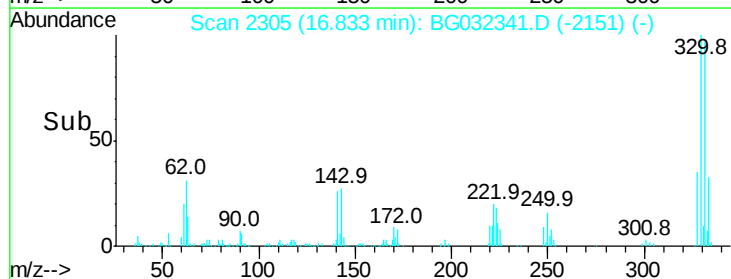
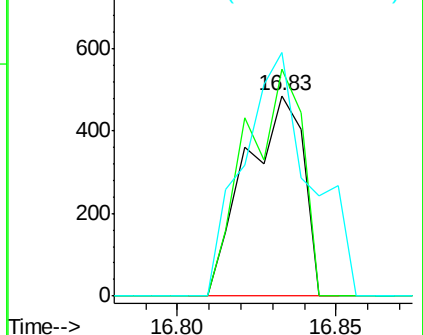
105 121.4 23.8 63.8#

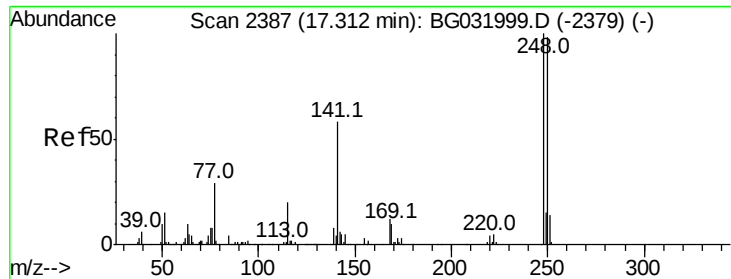


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

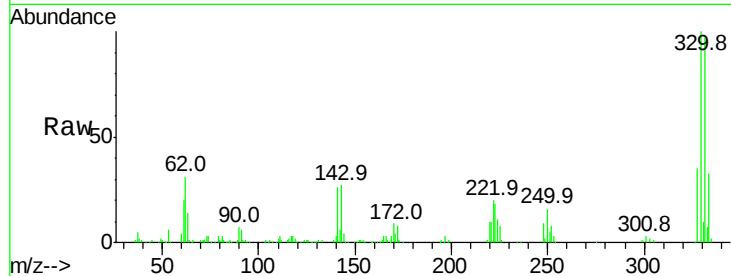




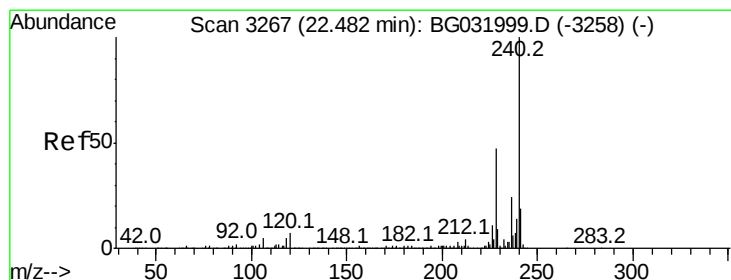
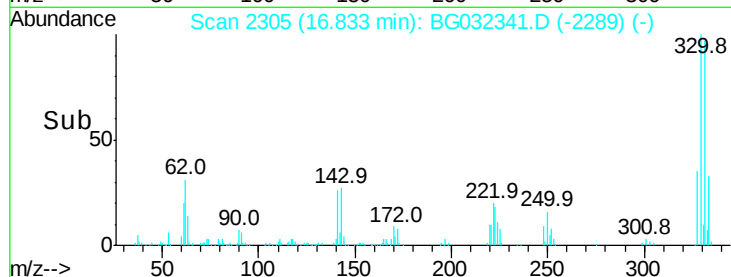
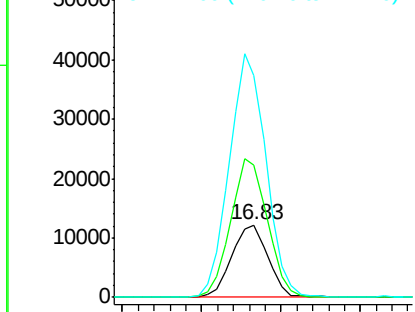
#66
4-Bromophenyl-phenylether
Concen: 5.414 ng
RT: 16.83 min Scan# 2305
Delta R.T. -0.43 min
Lab File: BG032341.D
Acq: 26 Jan 2018 23:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 19286
Ion Ratio Lower Upper
248 100
250 183.4 77.1 115.7#
141 306.4 50.8 76.2#

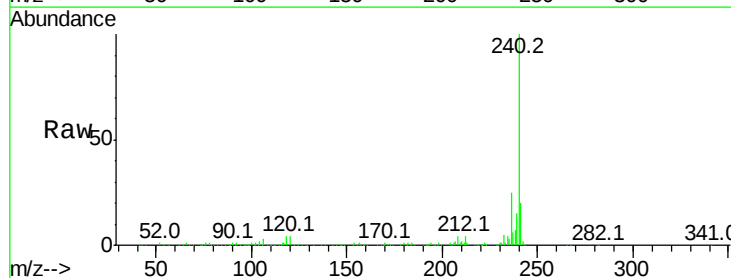


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

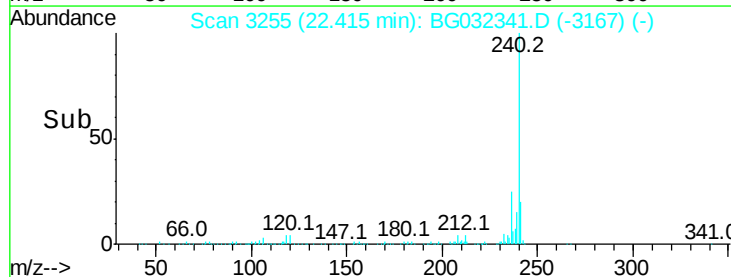
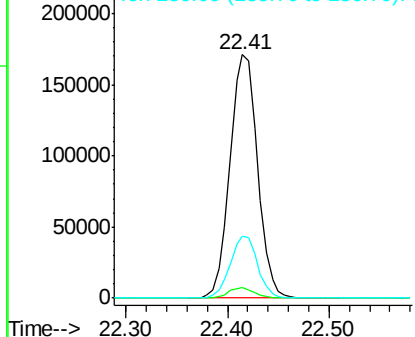


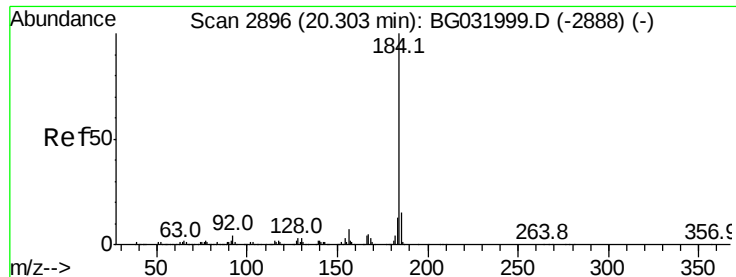
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.41 min Scan# 3255
Delta R.T. -0.01 min
Lab File: BG032341.D
Acq: 26 Jan 2018 23:07

Tgt Ion:240 Resp: 322657
Ion Ratio Lower Upper
240 100
120 4.4 6.8 10.2#
236 25.3 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





#76

Benzidine

Concen: 2.184 ng

RT: 20.63 min Scan# 2951

Delta R.T. 0.37 min

Lab File: BG032341.D

Acq: 26 Jan 2018 23:07

Instrument :

BNA_G

ClientSampleId :

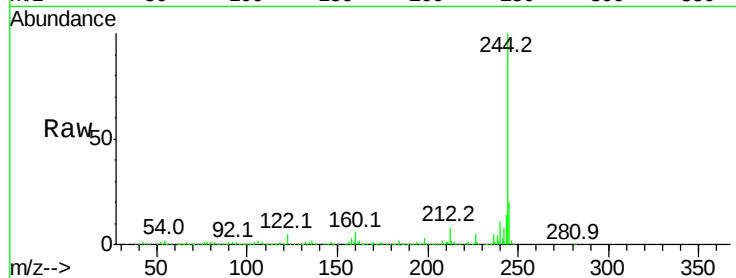
Tot Ion:184 Resp: 17625

Ion Ratio Lower Upper

184 100

185 16.3 11.1 16.7

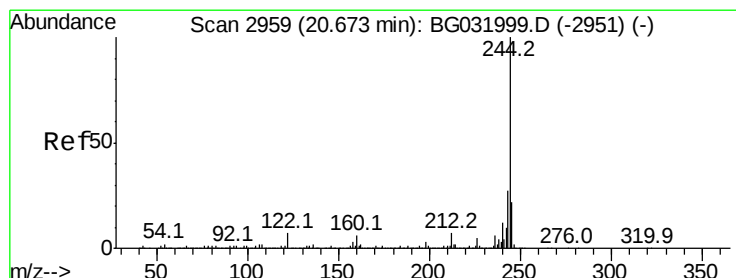
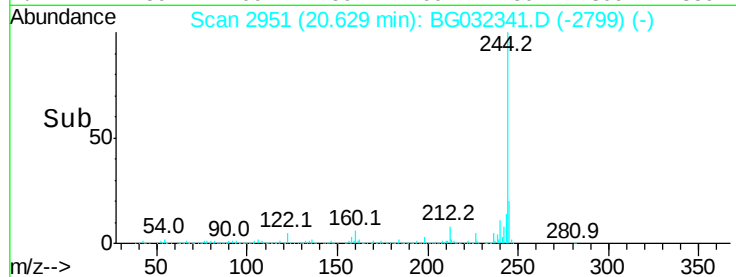
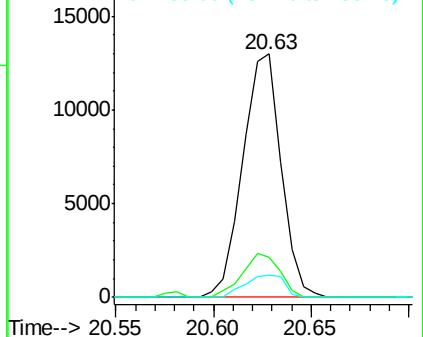
183 9.0 10.6 16.0#



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: 83.917 ng

RT: 20.62 min Scan# 2950

Delta R.T. -0.01 min

Lab File: BG032341.D

Acq: 26 Jan 2018 23:07

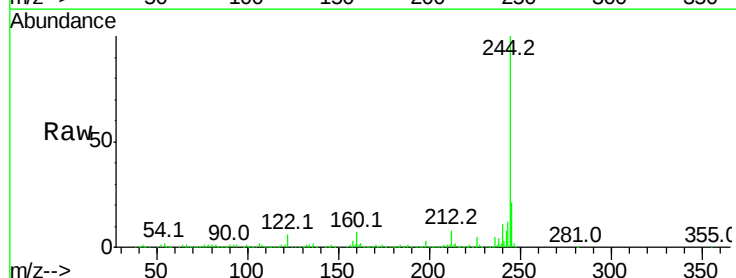
Tgt Ion:244 Resp: 1226255

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

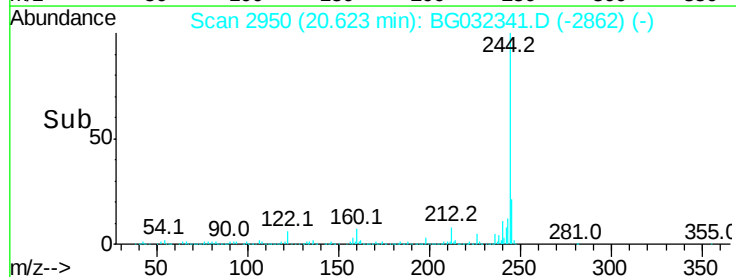
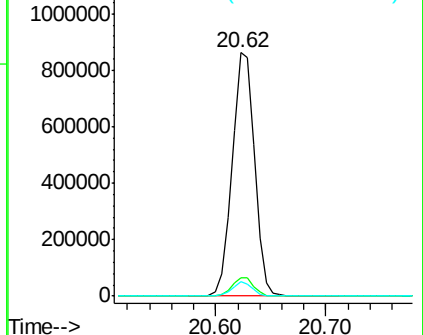
122 5.8 7.0 10.4#

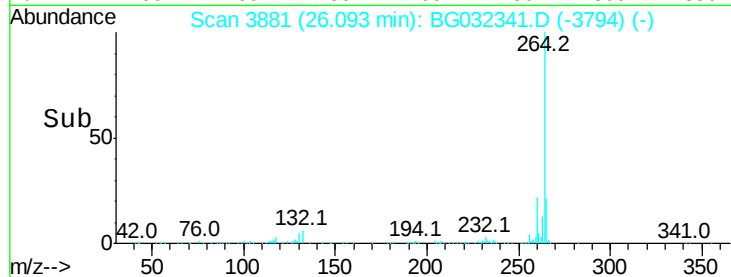
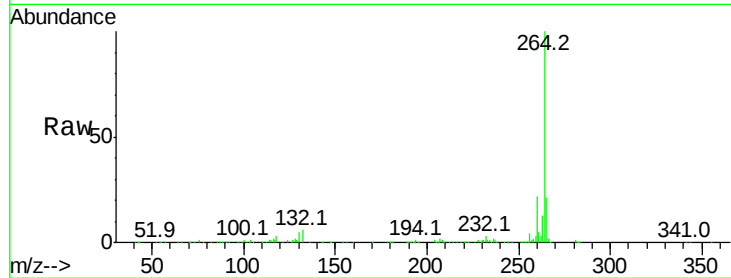
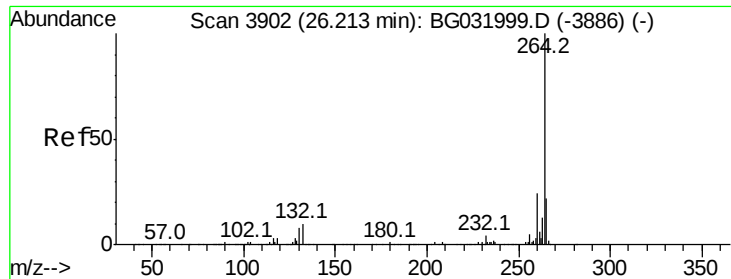


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlone-d12

Concen: 20.000 ng

RT: 26.09 min Scan# 3881

Delta R.T. -0.02 min

Lab File: BG032341.D

Acq: 26 Jan 2018 23:07

Instrument :

BNA_G

ClientSampleId :

Tot Ion:264 Resp: 345003

Ion Ratio Lower Upper

264 100

260 22.4 17.4 26.0

265 21.4 17.7 26.5

