

Data Path : U:\HPCHEM1\BNA G\DATA\BG012618\
 Data File : BG032339.D
 Acq On : 26 Jan 2018 21:52
 Operator : SJ/JU
 Sample : J1288-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 27 00:17:46 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

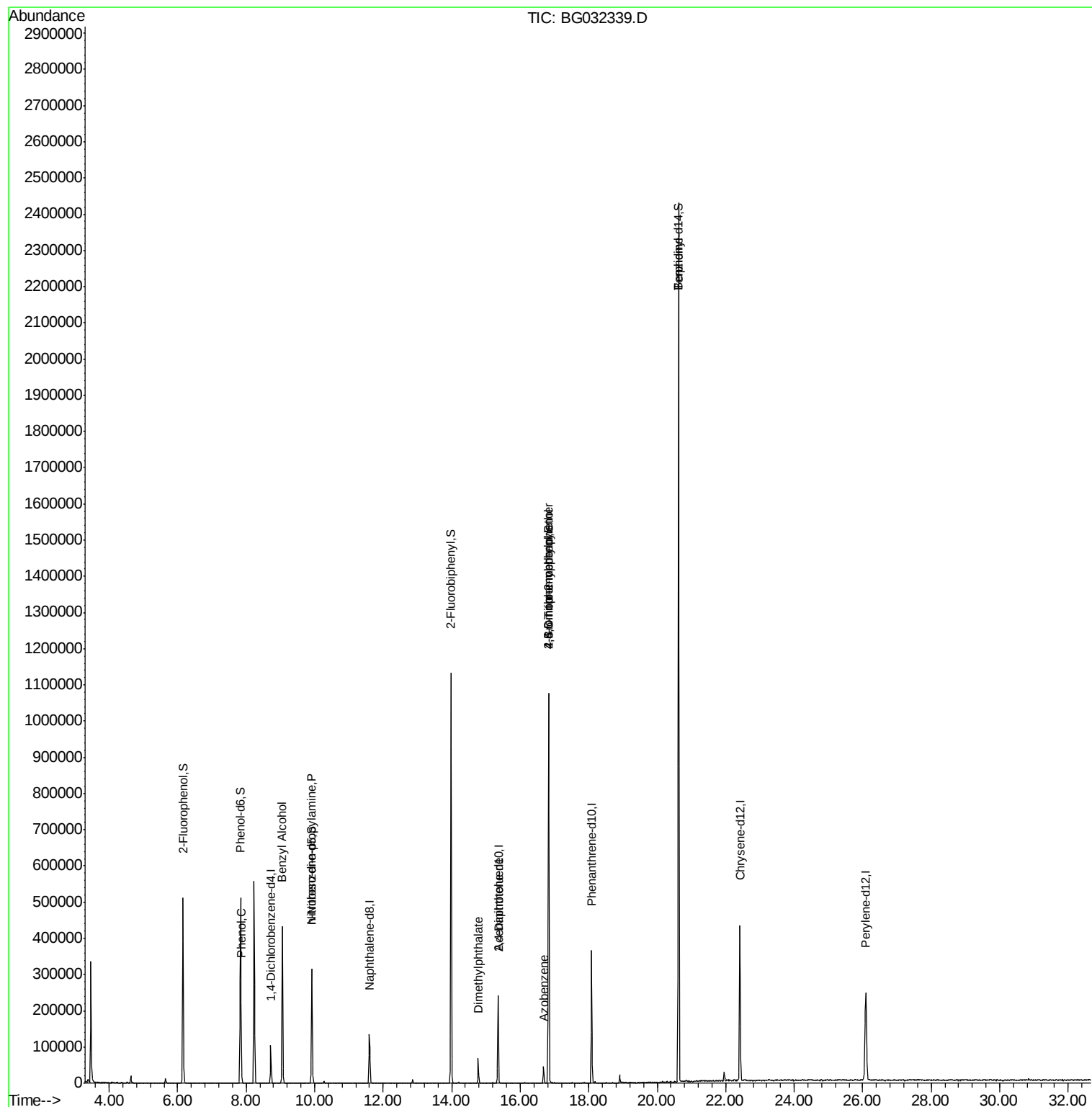
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.72	152	33413	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	132037	20.00	ng	-0.01
38) Acenaphthene-d10	15.35	164	92514	20.00	ng	-0.01
63) Phenanthrene-d10	18.08	188	257376	20.00	ng	-0.01
75) Chrysene-d12	22.41	240	327787	20.00	ng	-0.01
86) Perylene-d12	26.09	264	345100	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.16	112	251969	137.92	ng	0.00
7) Phenol-d6	7.83	99	312886	135.99	ng	0.00
23) Nitrobenzene-d5	9.92	82	193282	99.04	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	247235	161.50	ng	0.00
44) 2-Fluorobiphenyl	13.98	172	658566	88.27	ng	0.00
78) Terphenyl-d14	20.62	244	1298285	87.46	ng	-0.01
Target Compounds						
10) Phenol	7.86	94	11792	5.203	ng	86
15) Benzyl Alcohol	9.06	79	3697	2.212	ng	# 55
19) n-Nitroso-di-n-propylamine	9.92	70	29104	20.387	ng	# 74
49) Dimethylphthalate	14.78	163	54469	6.728	ng	99
56) 2,4-Dinitrotoluene	15.35	165	11753	5.195	ng	# 16
62) Azobenzene	16.69	77	11277	2.296	ng	# 1
64) 4,6-Dinitro-2-methylphenol	16.83	198	638	5.232	ng	# 3
66) 4-Bromophenyl-phenylether	16.83	248	21298	5.816	ng	# 1
76) Benzidine	20.62	184	19693	2.403	ng	96

(#) = 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

Lab File: BG032339.D

Acq: 26 Jan 2018 21:52

Instrument :

BNA_G

ClientSampleId :

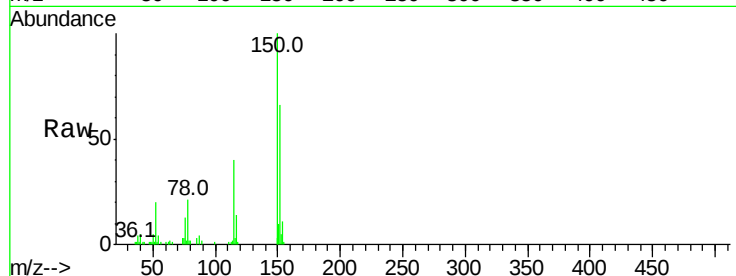
Tot Ion:152 Resp: 33413

Ion Ratio Lower Upper

152 100

150 151.5 126.6 189.8

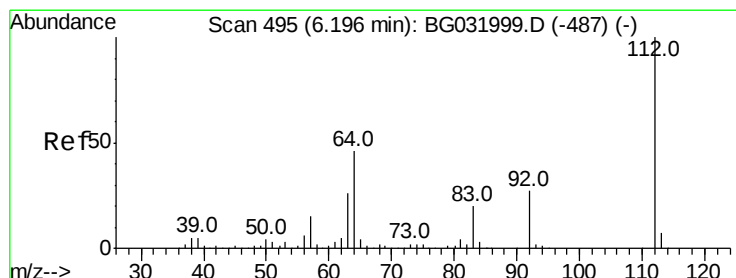
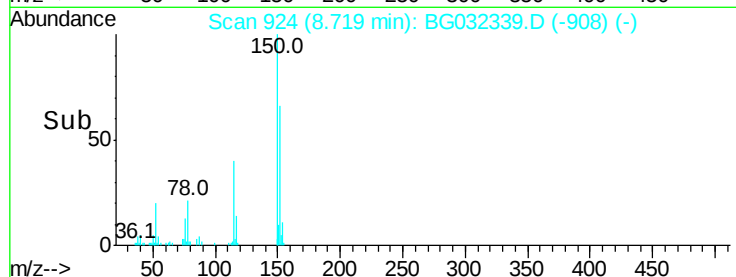
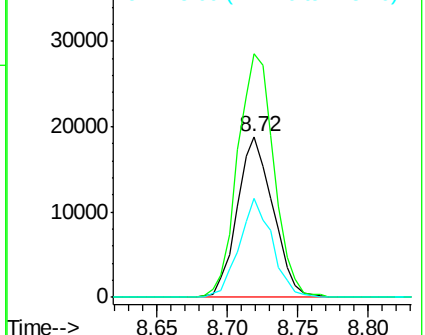
115 61.3 53.0 79.4



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: 137.921 ng

RT: 6.16 min Scan# 488

Delta R.T. 0.00 min

Lab File: BG032339.D

Acq: 26 Jan 2018 21:52

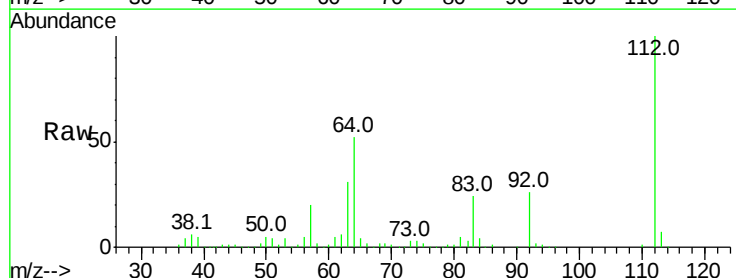
Tgt Ion:112 Resp: 251969

Ion Ratio Lower Upper

112 100

64 51.6 56.3 84.5#

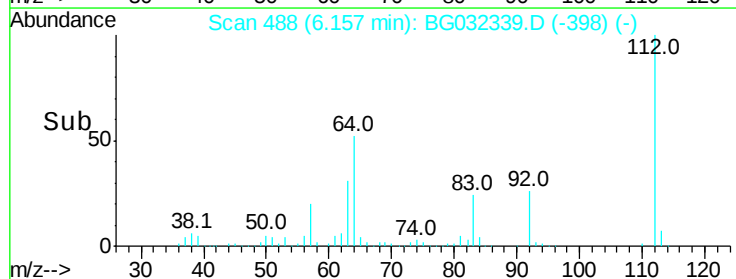
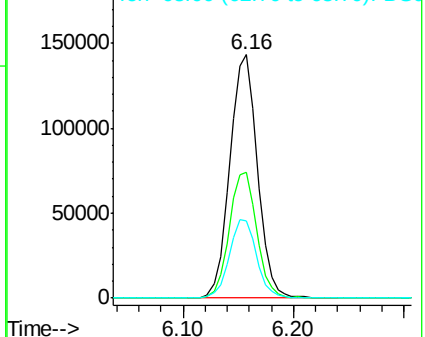
63 31.5 30.1 45.1

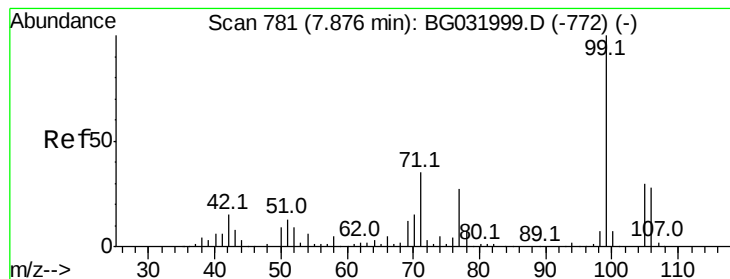


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 135.985 ng

RT: 7.83 min Scan# 773

Delta R.T. -0.00 min

Lab File: BG032339.D

Acq: 26 Jan 2018 21:52

Instrument :

BNA_G

ClientSampled :

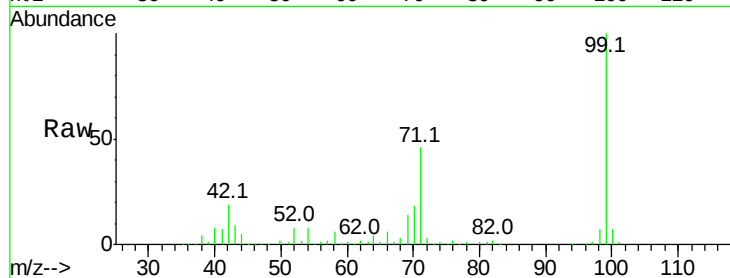
Tot Ion: 99 Resp: 312886

Ion Ratio Lower Upper

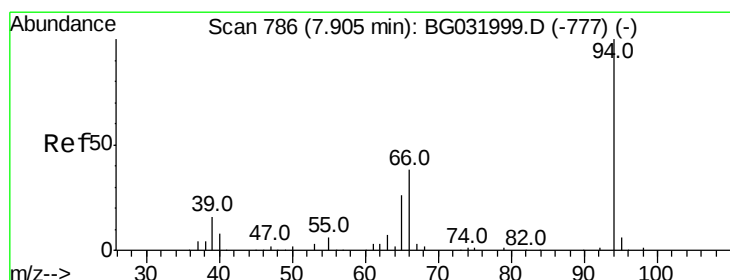
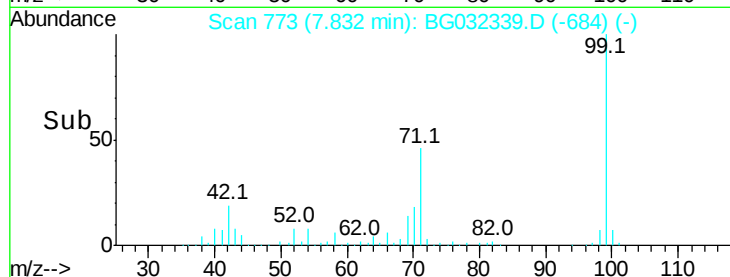
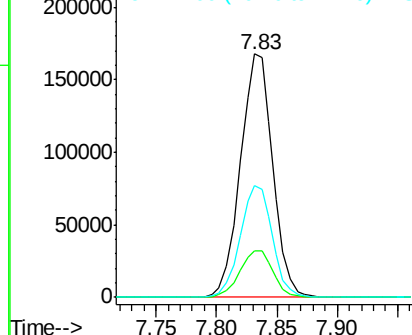
99 100

42 19.0 14.1 21.1

71 46.0 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



#10

Phenol

Concen: 5.203 ng

RT: 7.86 min Scan# 777

Delta R.T. -0.01 min

Lab File: BG032339.D

Acq: 26 Jan 2018 21:52

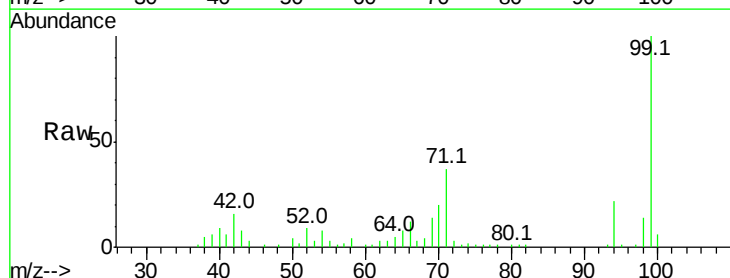
Tgt Ion: 94 Resp: 11792

Ion Ratio Lower Upper

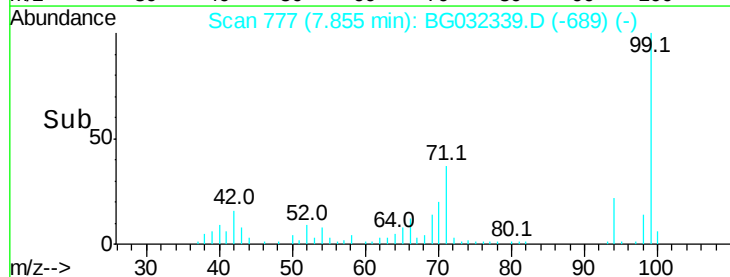
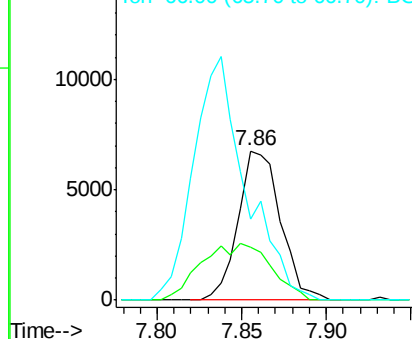
94 100

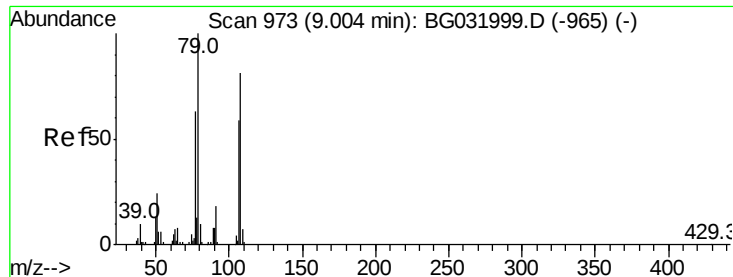
65 35.7 11.9 51.9

66 54.1 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: 2.212 ng

RT: 9.06 min Scan# 982

Delta R.T. 0.10 min

Lab File: BG032339.D

Acq: 26 Jan 2018 21:52

Instrument :

BNA_G

ClientSampleId :

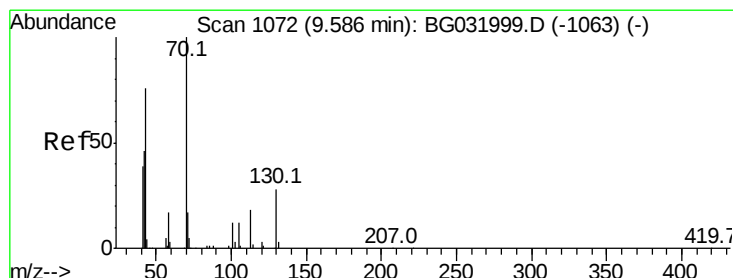
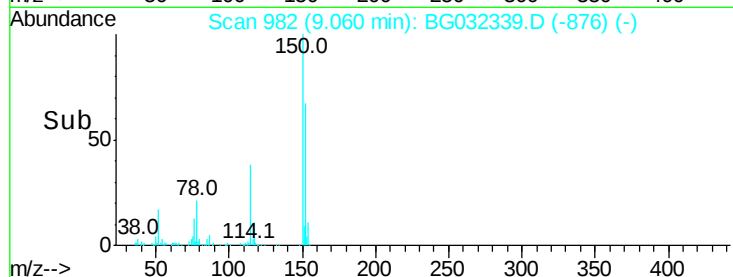
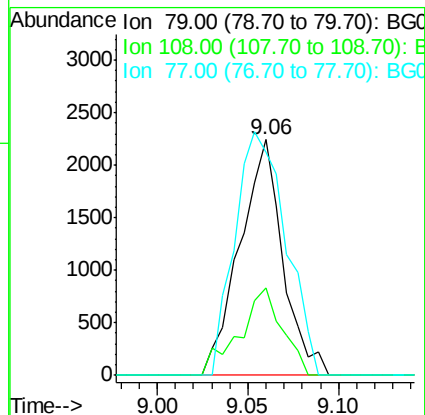
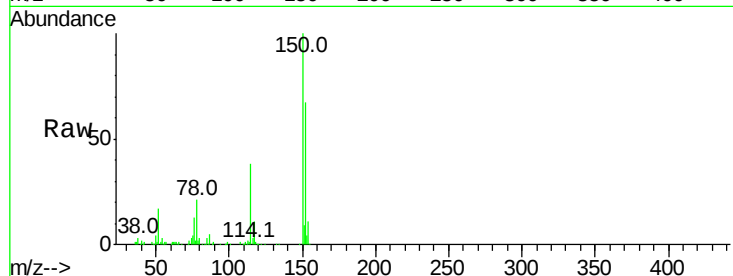
Tot Ion: 79 Resp: 3697

Ion Ratio Lower Upper

79 100

108 36.9 57.2 85.8#

77 94.7 46.1 69.1#



#19

n-Nitroso-di-n-propylamine

Concen: 20.387 ng

RT: 9.92 min Scan# 1128

Delta R.T. 0.38 min

Lab File: BG032339.D

Acq: 26 Jan 2018 21:52

Tgt Ion: 70 Resp: 29104

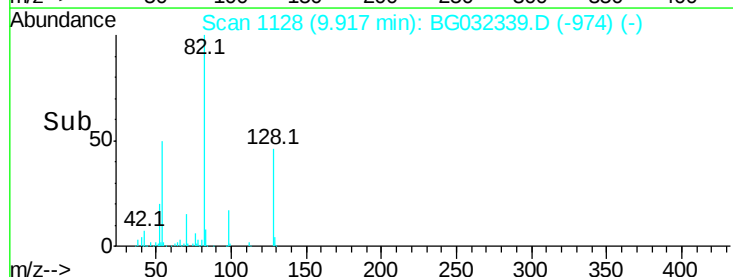
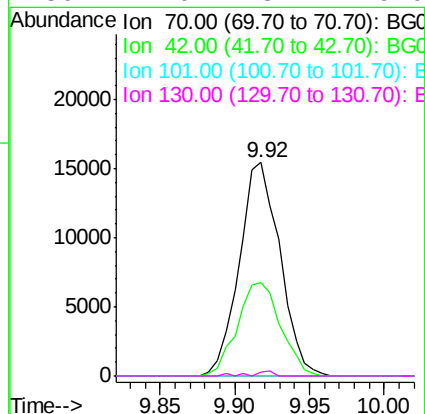
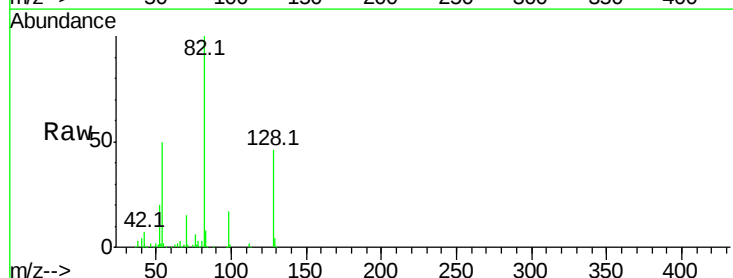
Ion Ratio Lower Upper

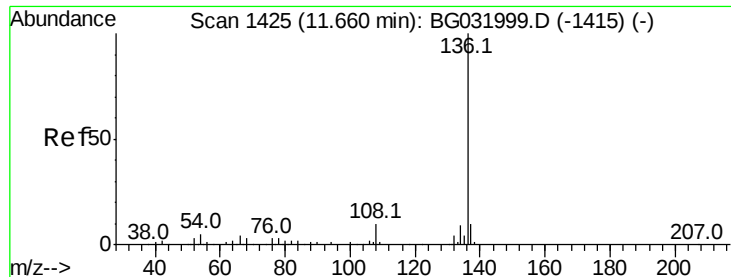
70 100

42 44.0 49.1 73.7#

101 0.0 8.5 12.7#

130 2.0 13.4 20.0#

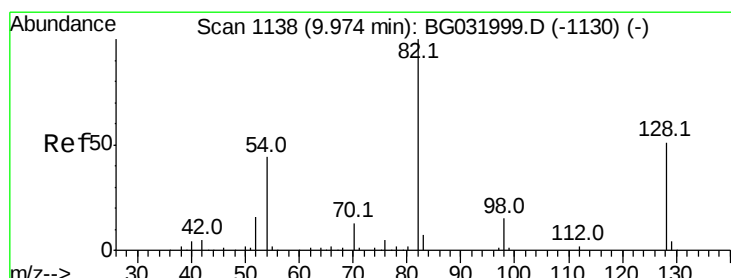
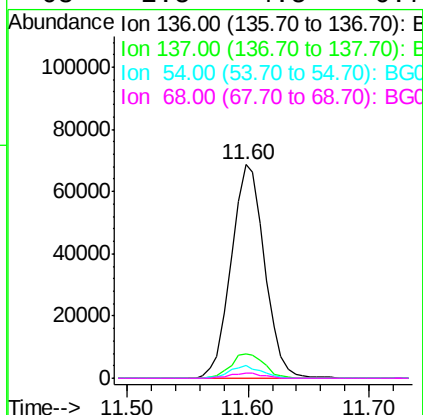
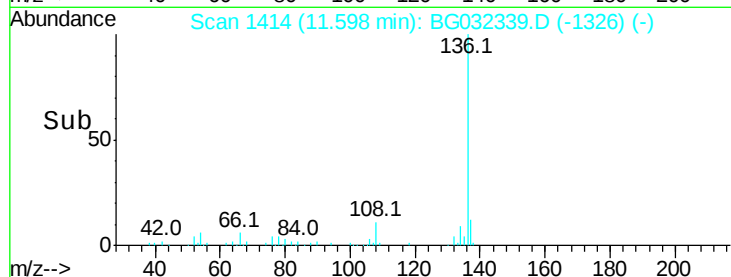
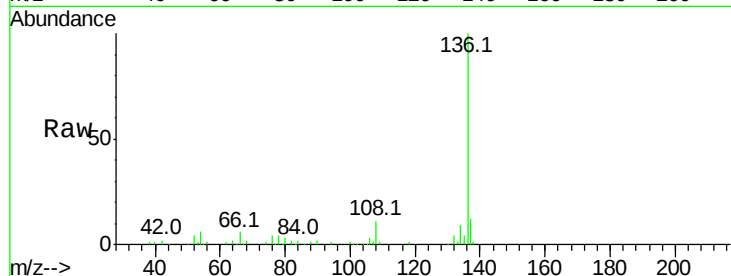




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BG032339.D
Acq: 26 Jan 2018 21:52

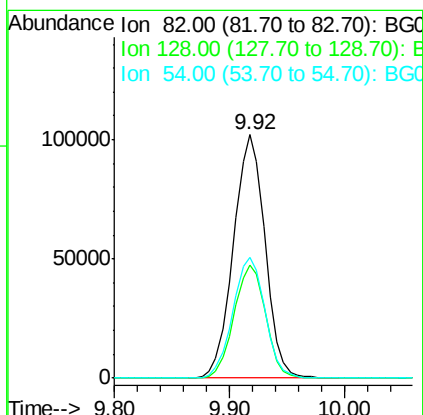
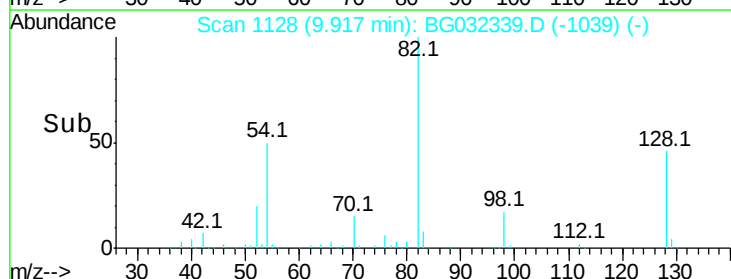
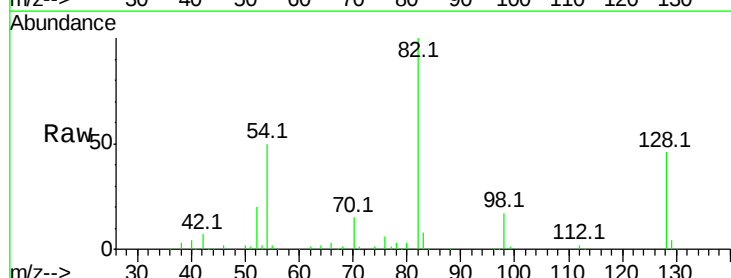
Instrument :
BNA_G
ClientSampleId :

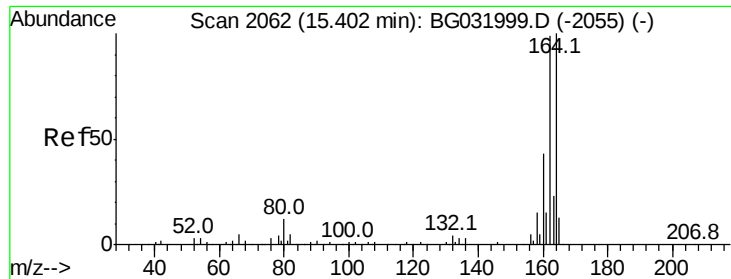
Tot Ion:	136	Resp:	132037
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	6.2	10.3	15.5#
68	2.5	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 99.036 ng
RT: 9.92 min Scan# 1128
Delta R.T. -0.00 min
Lab File: BG032339.D
Acq: 26 Jan 2018 21:52

Tgt Ion:	82	Resp:	193282
Ion	Ratio	Lower	Upper
82	100		
128	46.4	29.7	44.5#
54	49.7	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: BG032339.D

Acq: 26 Jan 2018 21:52

Instrument :

BNA_G

ClientSampleId :

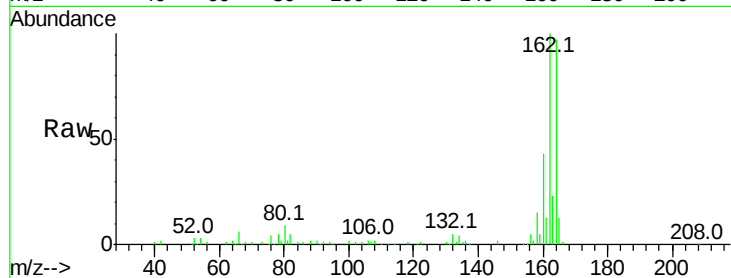
Tot Ion:164 Resp: 92514

Ion Ratio Lower Upper

164 100

162 102.8 78.8 118.2

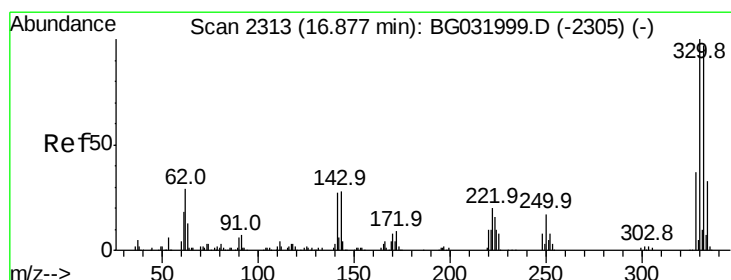
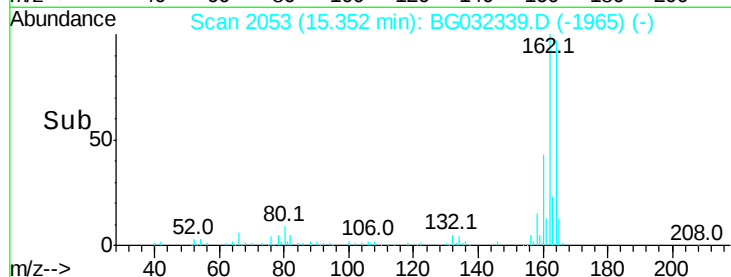
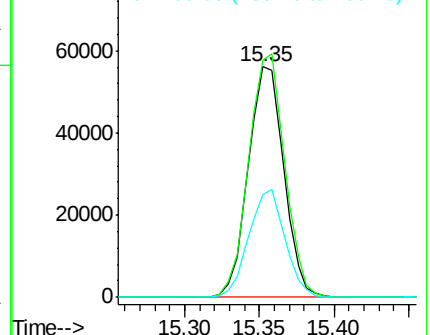
160 44.5 35.4 53.0



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: 161.497 ng

RT: 16.83 min Scan# 2305

Delta R.T. -0.00 min

Lab File: BG032339.D

Acq: 26 Jan 2018 21:52

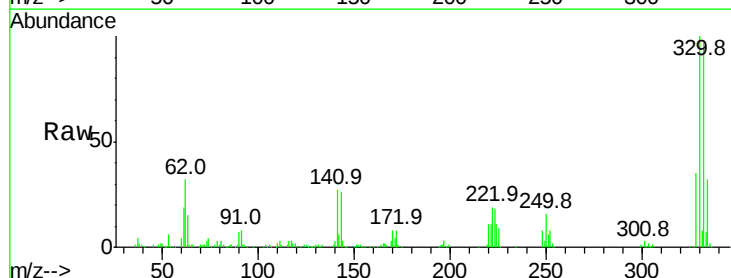
Tgt Ion:330 Resp: 247235

Ion Ratio Lower Upper

330 100

332 97.6 77.0 115.6

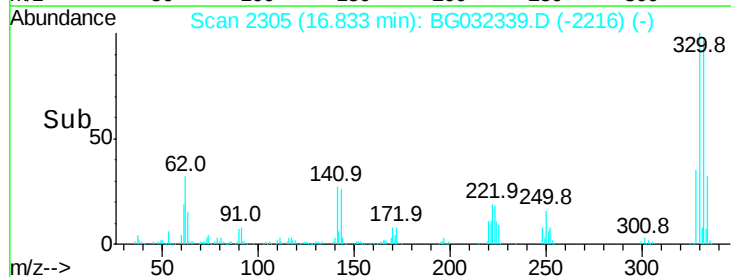
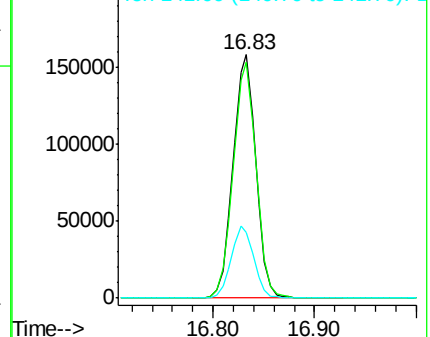
141 29.4 25.2 37.8

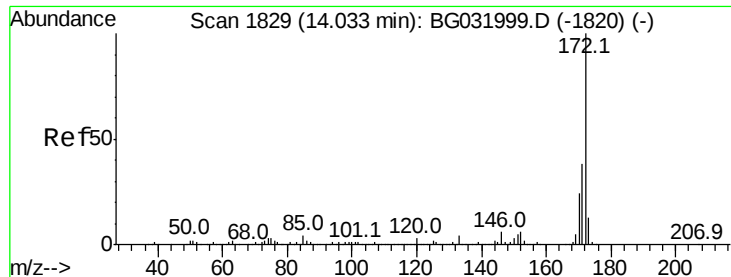


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

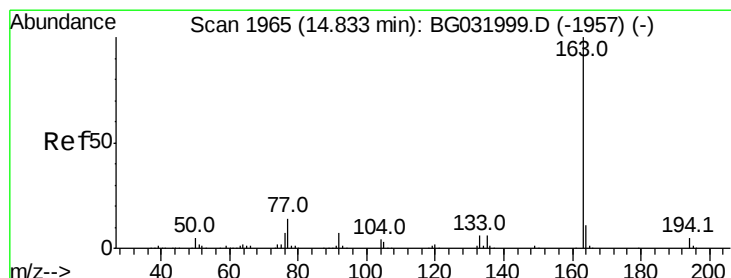
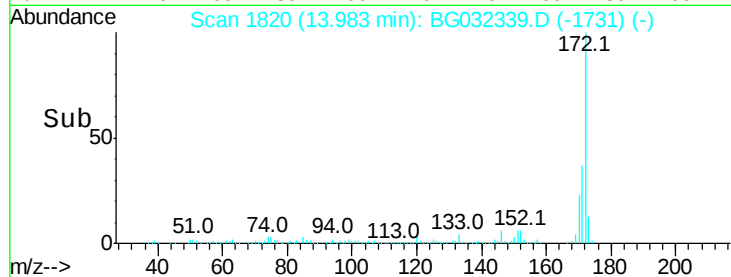
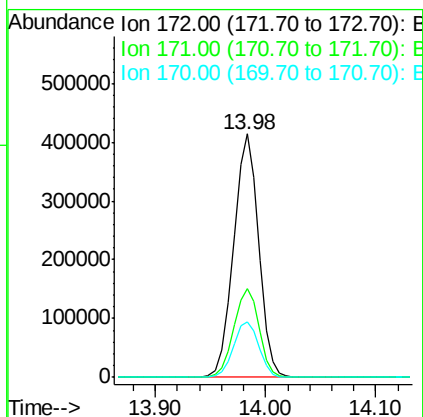
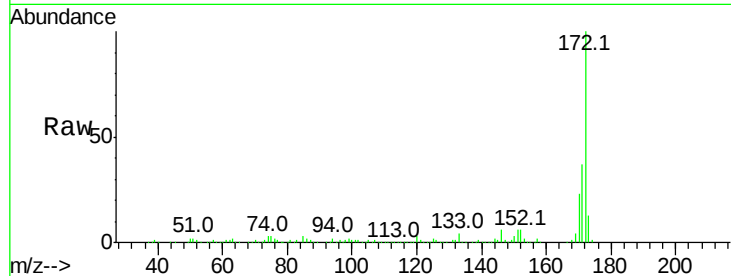




#44
2-Fluorobiphenyl
Concen: 88.267 ng
RT: 13.98 min Scan# 1820
Delta R.T. -0.00 min
Lab File: BG032339.D
Acq: 26 Jan 2018 21:52

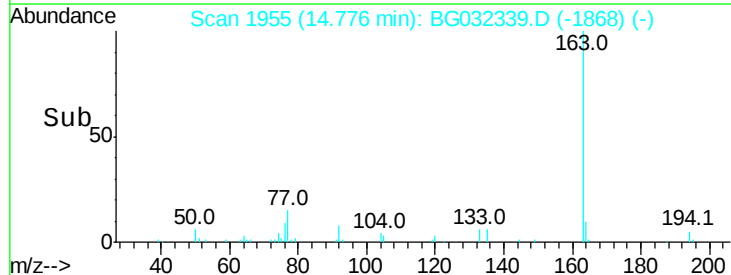
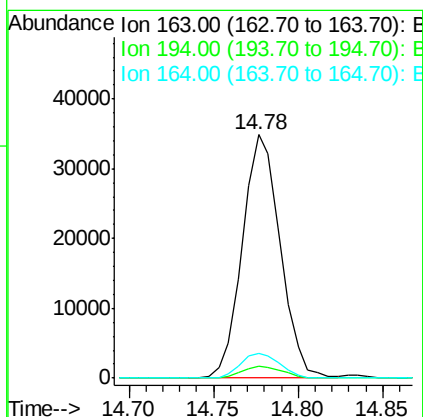
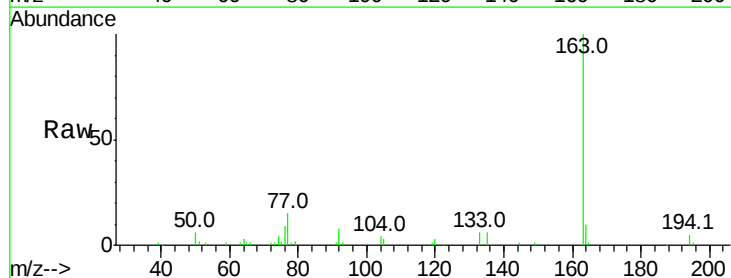
Instrument :
BNA_G
ClientSampleId :

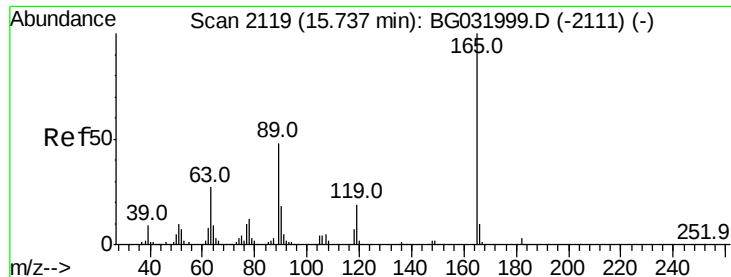
Tot Ion:172 Resp: 658566
Ion Ratio Lower Upper
172 100
171 36.7 30.0 45.0
170 22.9 19.5 29.3



#49
Dimethylphthalate
Concen: 6.728 ng
RT: 14.78 min Scan# 1955
Delta R.T. -0.02 min
Lab File: BG032339.D
Acq: 26 Jan 2018 21:52

Tgt Ion:163 Resp: 54469
Ion Ratio Lower Upper
163 100
194 4.7 3.4 5.2
164 10.1 8.2 12.4

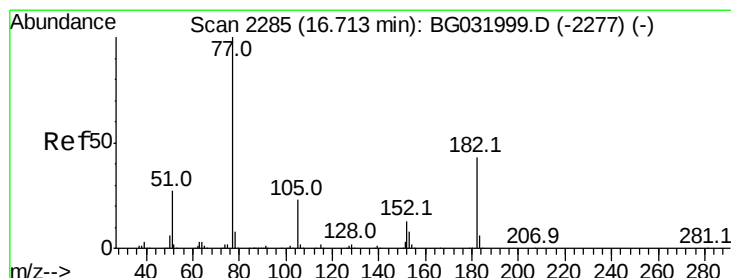
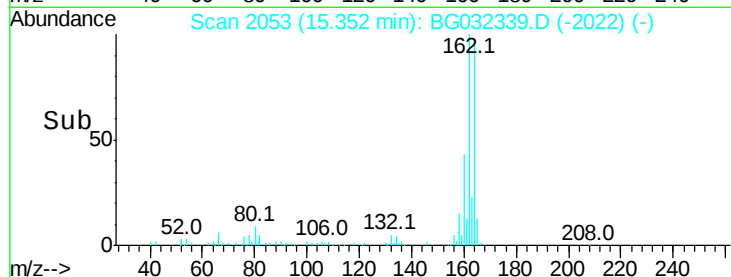
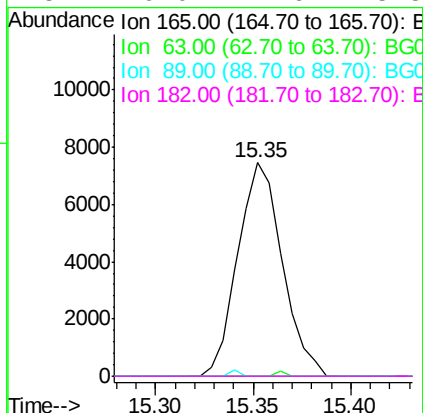
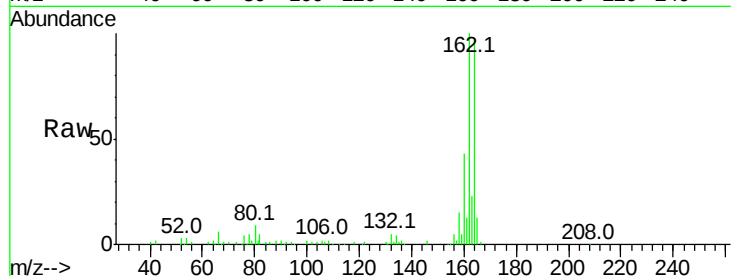




#56
 2,4-Dinitrotoluene
 Concen: 5.195 ng
 RT: 15.35 min Scan# 2053
 Delta R.T. -0.35 min
 Lab File: BG032339.D
 Acq: 26 Jan 2018 21:52

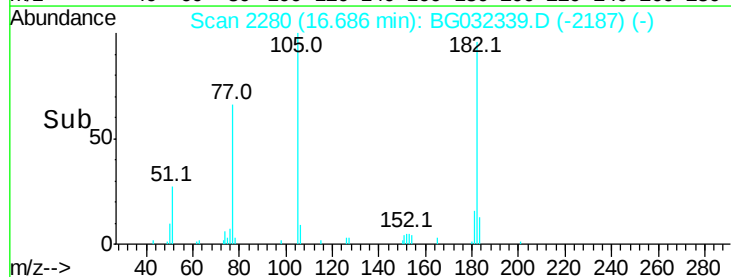
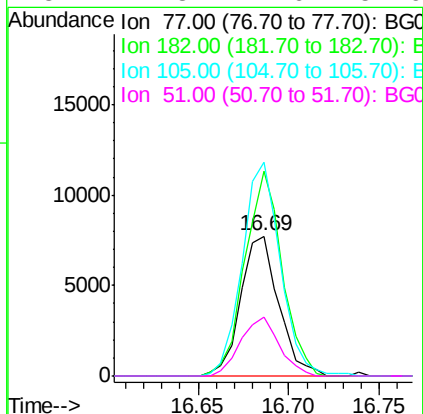
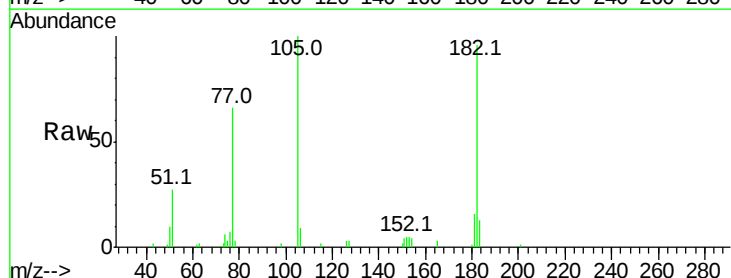
Instrument :
 BNA_G
 ClientSampleId :

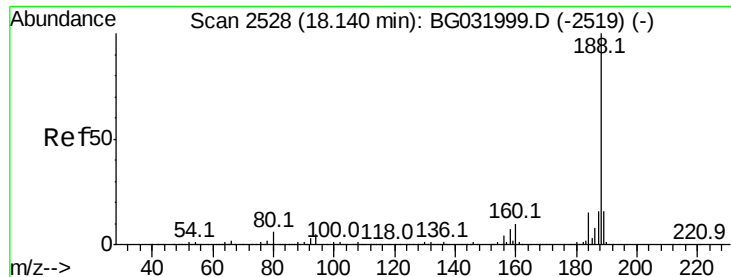
Tot Ion:165 Resp: 11753
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#



#62
 Azobenzene
 Concen: 2.296 ng
 RT: 16.69 min Scan# 2280
 Delta R.T. 0.02 min
 Lab File: BG032339.D
 Acq: 26 Jan 2018 21:52

Tgt Ion: 77 Resp: 11277
 Ion Ratio Lower Upper
 77 100
 182 146.2 7.4 47.4#
 105 152.4 0.3 40.3#
 51 41.8 11.6 51.6

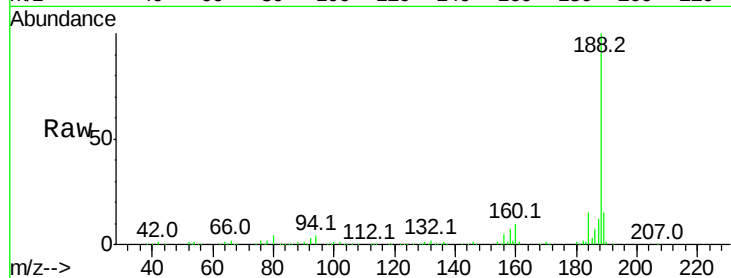




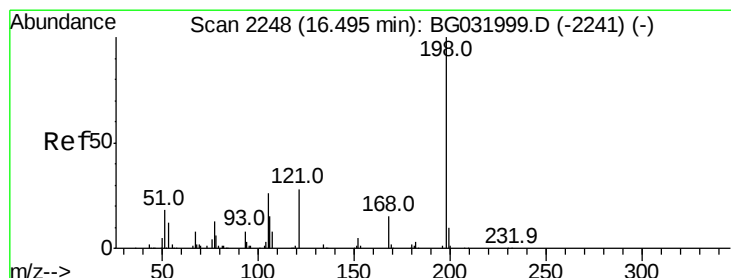
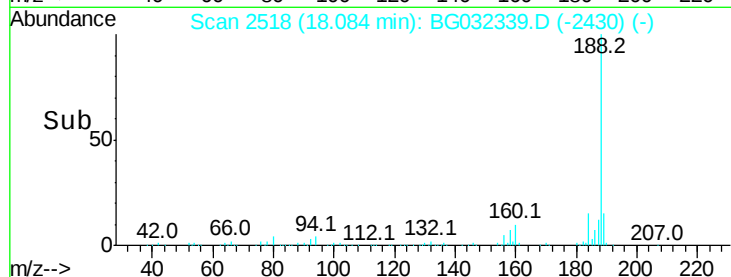
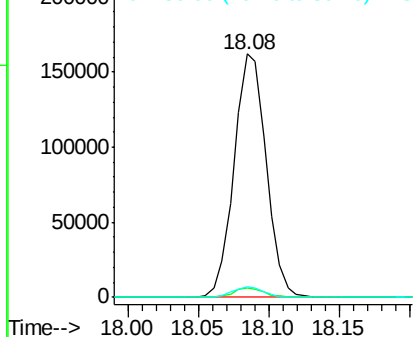
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.08 min Scan# 2518
Delta R.T. -0.01 min
Lab File: BG032339.D
Acq: 26 Jan 2018 21:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 257376
Ion Ratio Lower Upper
188 100
94 4.0 6.9 10.3#
80 4.3 7.7 11.5#

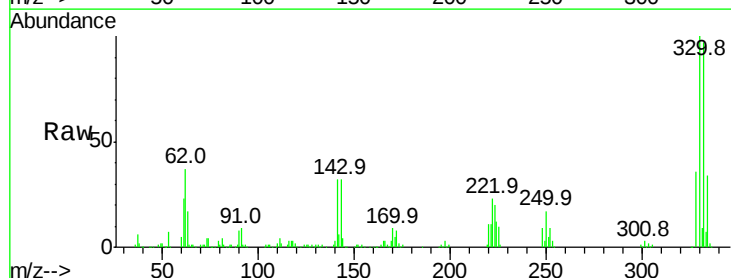


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

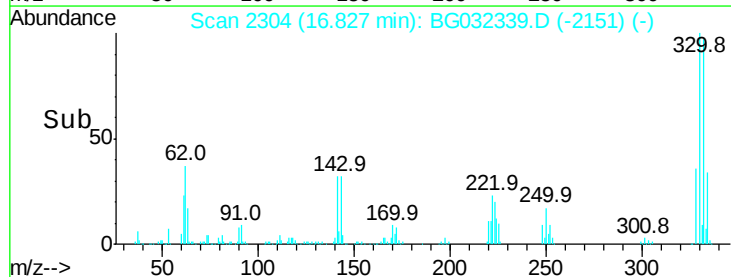
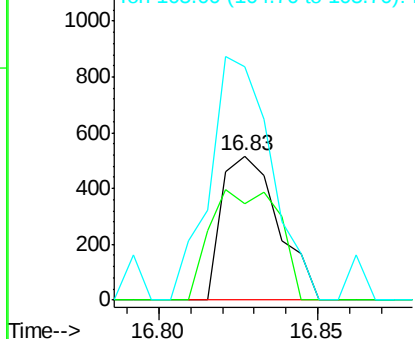


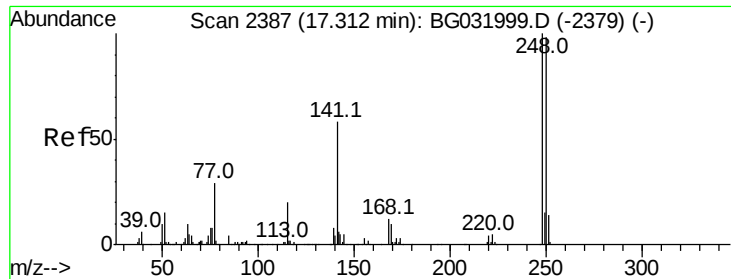
#64
4,6-Dinitro-2-methylphenol
Concen: 5.232 ng
RT: 16.83 min Scan# 2304
Delta R.T. 0.37 min
Lab File: BG032339.D
Acq: 26 Jan 2018 21:52

Tgt Ion:198 Resp: 638
Ion Ratio Lower Upper
198 100
51 67.1 30.6 70.6
105 161.5 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

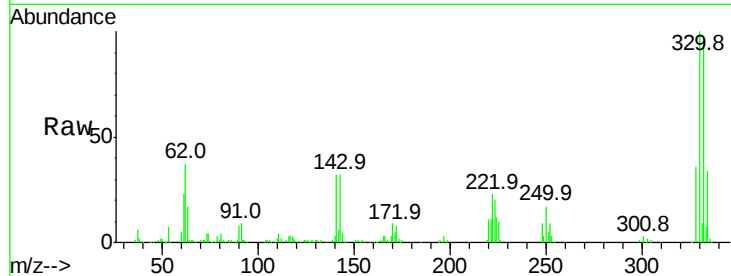




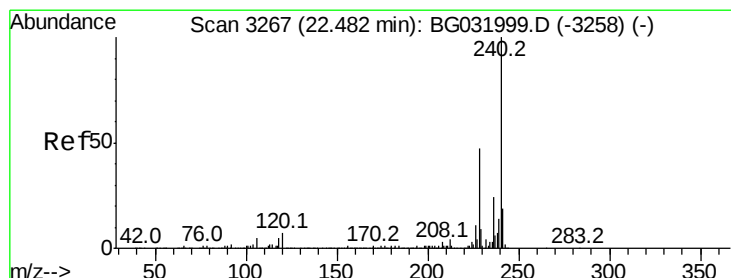
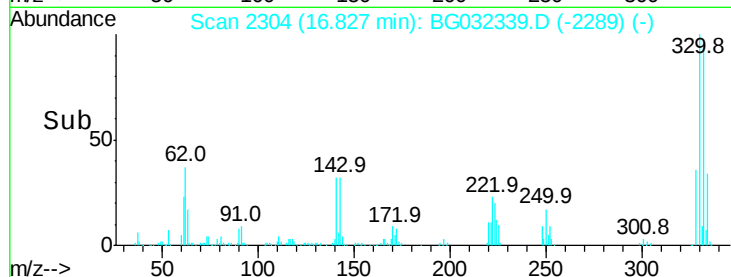
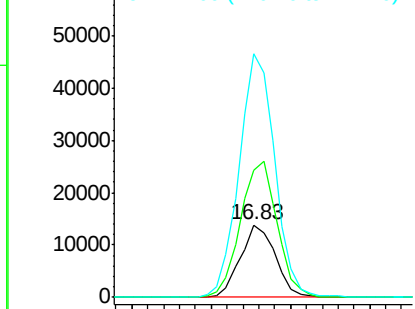
#66
4-Bromophenyl-phenylether
Concen: 5.816 ng
RT: 16.83 min Scan# 2304
Delta R.T. -0.44 min
Lab File: BG032339.D
Acq: 26 Jan 2018 21:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 21298
Ion Ratio Lower Upper
248 100
250 176.3 77.1 115.7#
141 336.0 50.8 76.2#

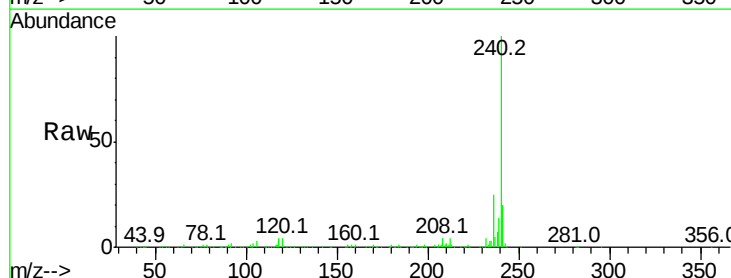


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

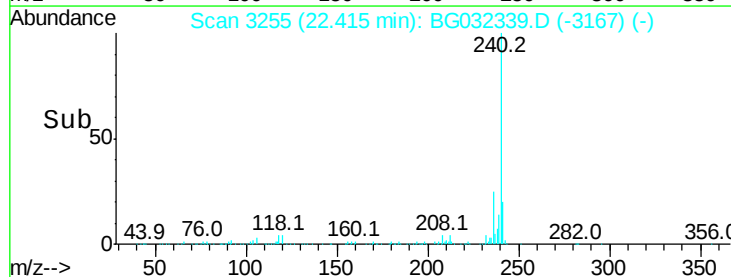
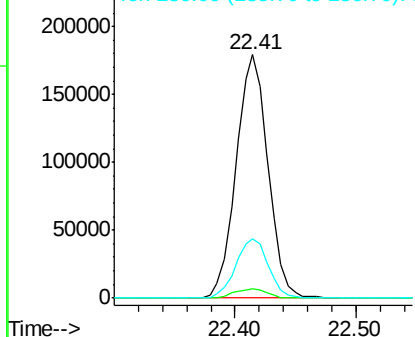


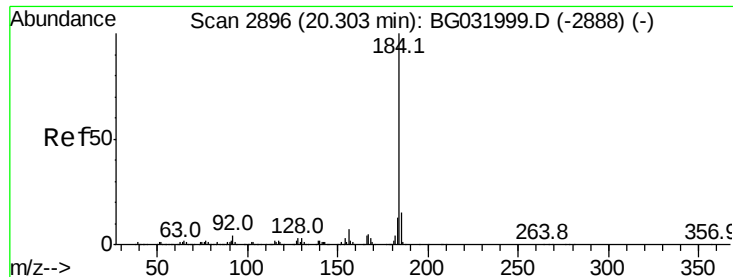
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.41 min Scan# 3255
Delta R.T. -0.01 min
Lab File: BG032339.D
Acq: 26 Jan 2018 21:52

Tgt Ion:240 Resp: 327787
Ion Ratio Lower Upper
240 100
120 3.8 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





#76

Benzidine

Concen: 2.403 ng

RT: 20.62 min Scan# 2950

Delta R.T. 0.36 min

Lab File: BG032339.D

Acq: 26 Jan 2018 21:52

Instrument :

BNA_G

ClientSampleId :

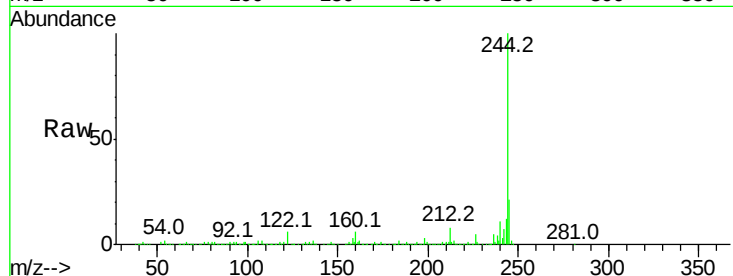
Tot Ion:184 Resp: 19693

Ion Ratio Lower Upper

184 100

185 14.8 11.1 16.7

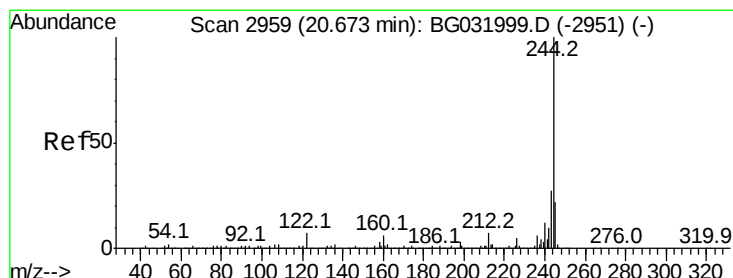
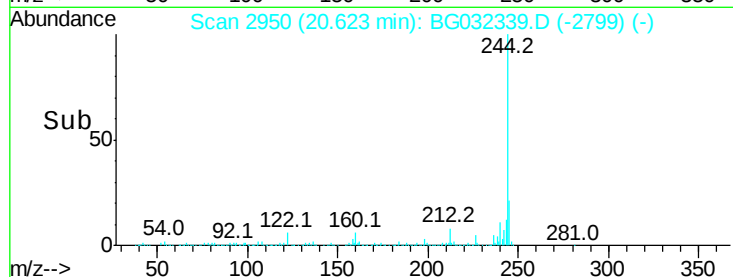
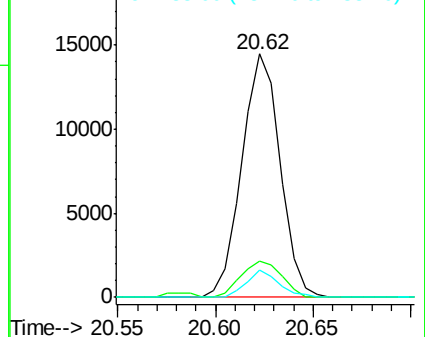
183 11.0 10.6 16.0



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: 87.455 ng

RT: 20.62 min Scan# 2950

Delta R.T. -0.01 min

Lab File: BG032339.D

Acq: 26 Jan 2018 21:52

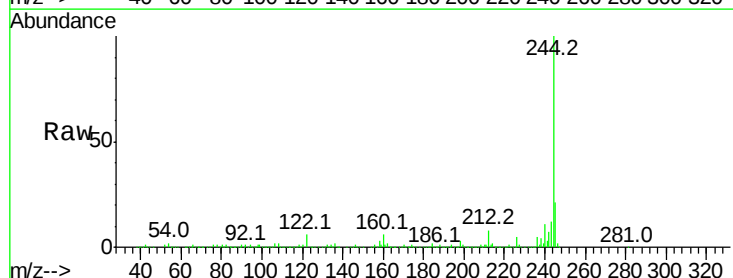
Tgt Ion:244 Resp: 1298285

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

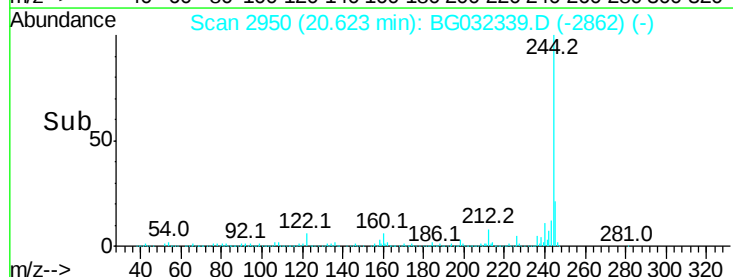
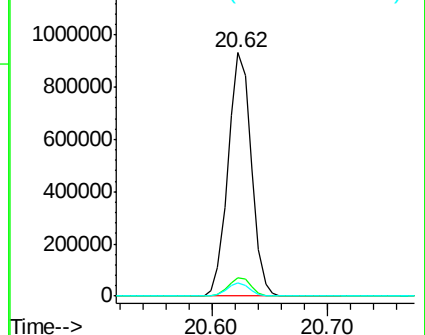
122 5.6 7.0 10.4#

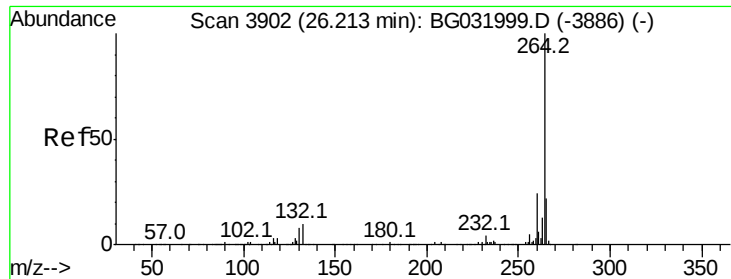


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

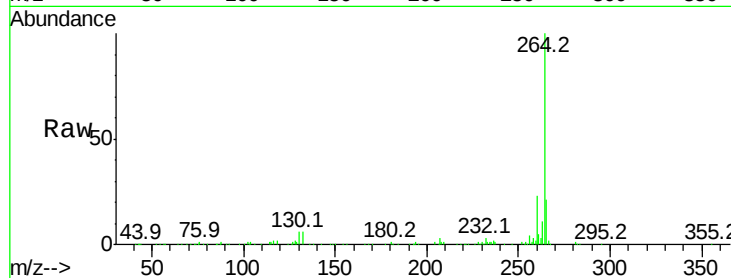




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.09 min Scan# 3880
Delta R.T. -0.02 min
Lab File: BG032339.D
Acq: 26 Jan 2018 21:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.4	26.0
265	20.9	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

