

Data Path : U:\HPCHEM1\BNA G\DATA\BG012518\
 Data File : BG032302.D
 Acq On : 25 Jan 2018 20:32
 Operator : SJ/JU
 Sample : J1300-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 26 01:24:18 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	32821	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	129279	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	96760	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	301664	20.00	ng	0.00
75) Chrysene-d12	22.41	240	376625	20.00	ng	-0.01
86) Perylene-d12	26.10	264	400147	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	207322	115.53	ng	0.00
7) Phenol-d6	7.83	99	228550	101.12	ng	0.00
23) Nitrobenzene-d5	9.92	82	192588	100.79	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	253096	158.07	ng	0.00
44) 2-Fluorobiphenyl	13.98	172	688319	88.21	ng	0.00
78) Terphenyl-d14	20.63	244	1603589	94.01	ng	0.00

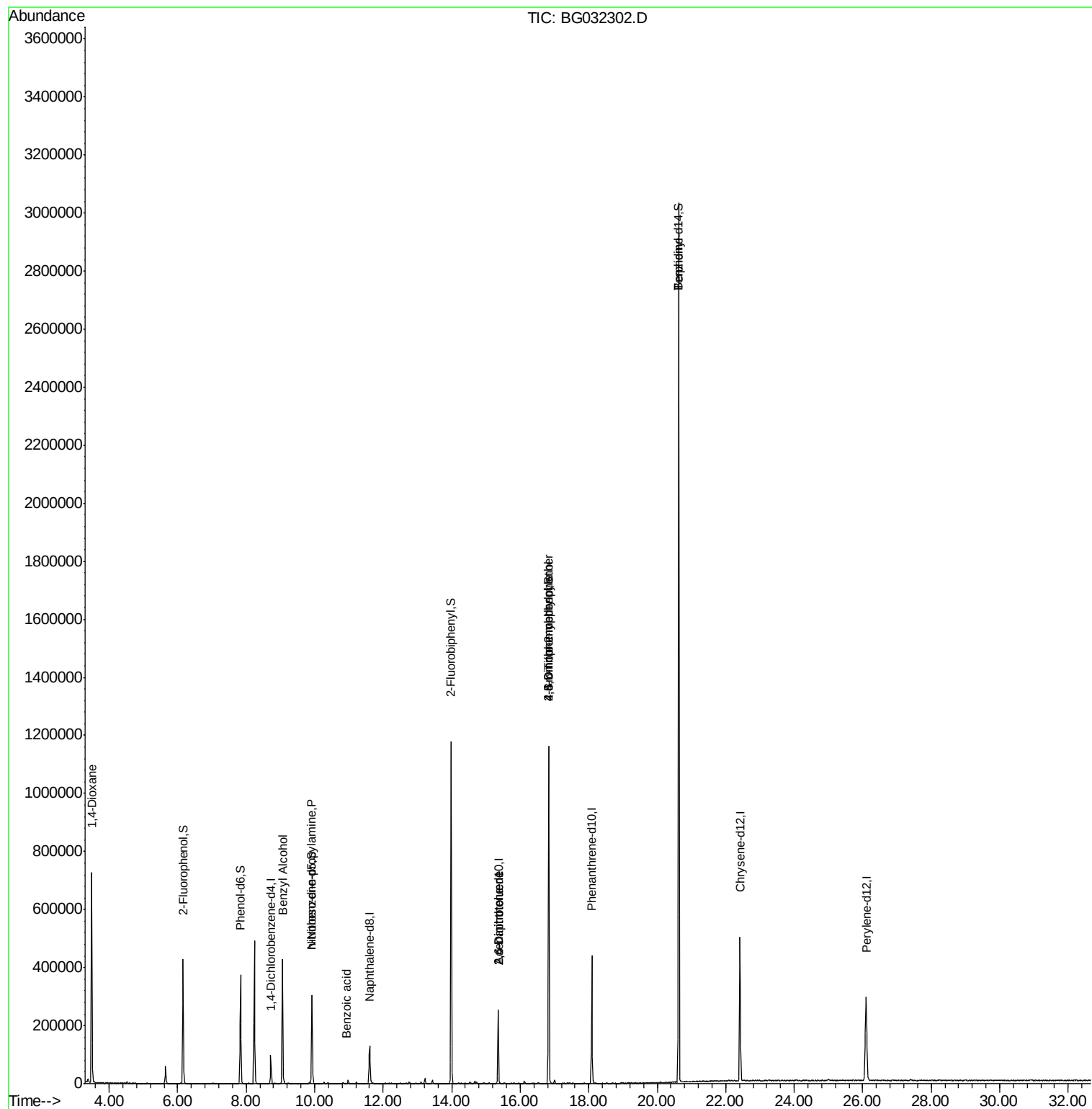
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.49	88	7916	11.482	ng	# 1
15) Benzyl Alcohol	9.06	79	3440	2.095	ng	# 36
19) n-Nitroso-di-n-propylamine	9.92	70	27335	19.493	ng	# 77
32) Benzoic acid	10.92	122	62	5.294	ng	# 31
50) 2,6-Dinitrotoluene	15.36	165	13940	7.932	ng	# 20
56) 2,4-Dinitrotoluene	15.36	165	13940	5.891	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.83	198	588	5.158	ng	# 1
66) 4-Bromophenyl-phenylether	16.83	248	20681	4.818	ng	# 1
76) Benzidine	20.63	184	22730	2.413	ng	# 90

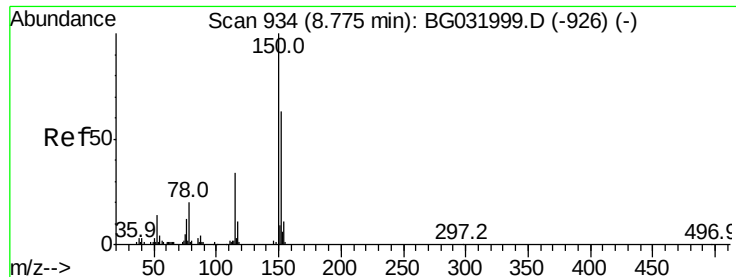
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG032302.D

Acq: 25 Jan 2018 20:32

Instrument :

BNA_G

ClientSampleId :

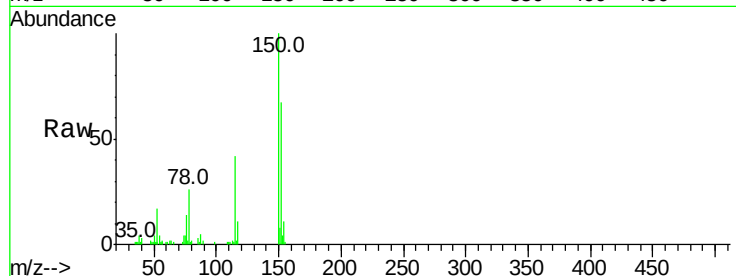
Tot Ion:152 Resp: 32821

Ion Ratio Lower Upper

152 100

150 148.6 126.6 189.8

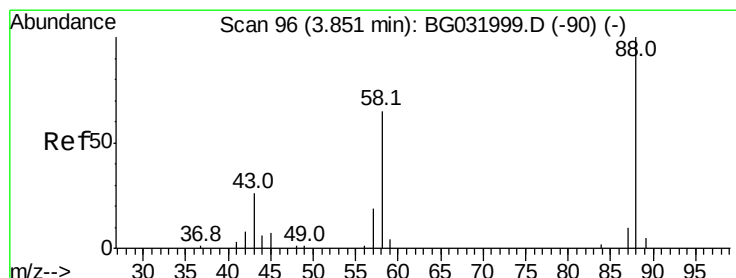
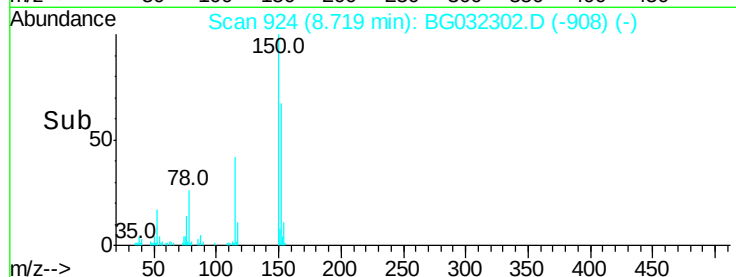
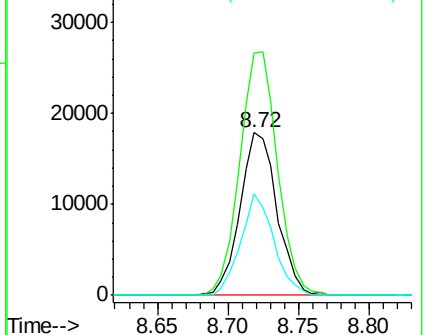
115 62.6 53.0 79.4



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



#2

1,4-Dioxane

Concen: 11.482 ng

RT: 3.49 min Scan# 34

Delta R.T. -0.33 min

Lab File: BG032302.D

Acq: 25 Jan 2018 20:32

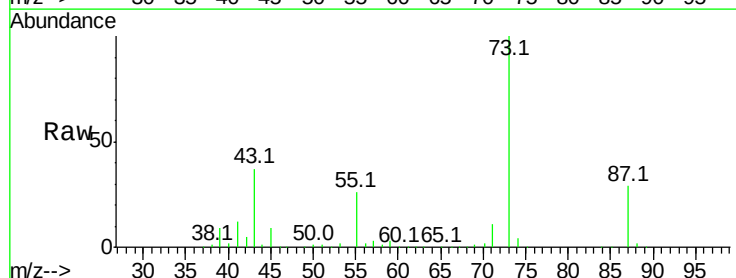
Tgt Ion: 88 Resp: 7916

Ion Ratio Lower Upper

88 100

58 35.5 79.6 119.4#

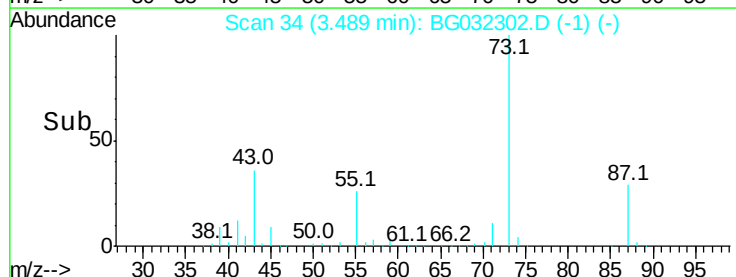
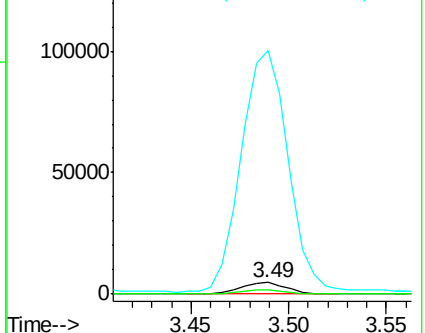
43 2107.0 27.4 41.0#

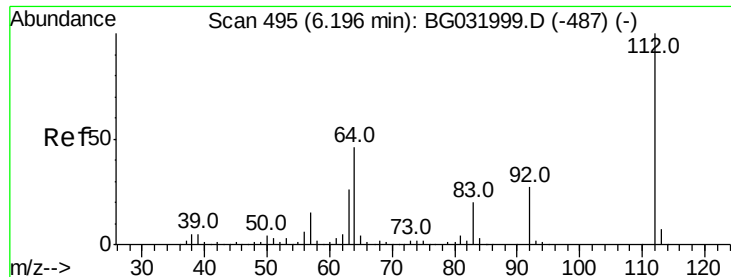


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 115.529 ng

RT: 6.16 min Scan# 488

Delta R.T. 0.00 min

Lab File: BG032302.D

Acq: 25 Jan 2018 20:32

Instrument :

BNA_G

ClientSampleId :

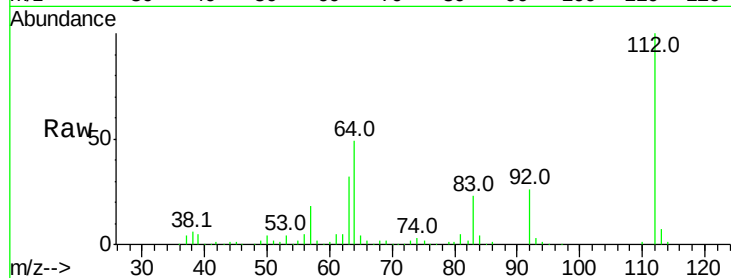
Tot Ion:112 Resp: 207322

Ion Ratio Lower Upper

112 100

64 49.4 56.3 84.5#

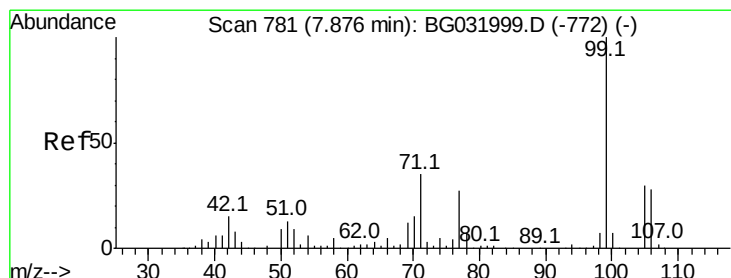
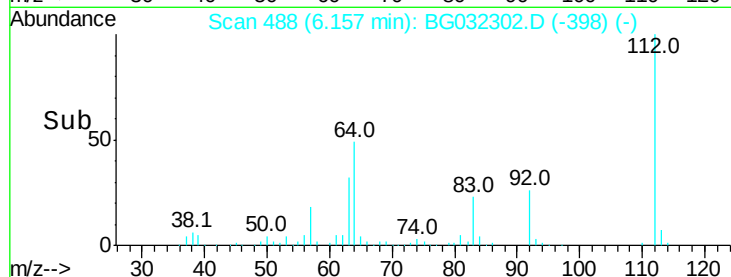
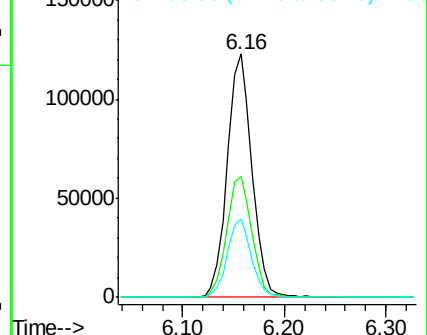
63 32.0 30.1 45.1



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: 101.123 ng

RT: 7.83 min Scan# 773

Delta R.T. -0.00 min

Lab File: BG032302.D

Acq: 25 Jan 2018 20:32

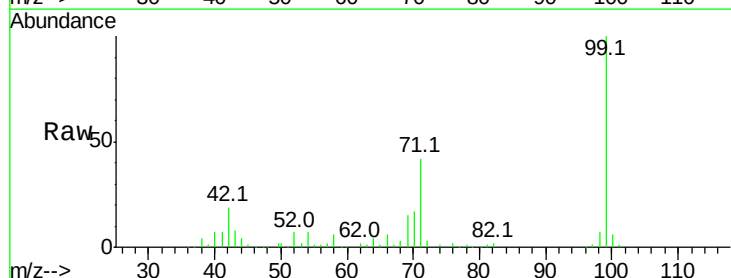
Tgt Ion: 99 Resp: 228550

Ion Ratio Lower Upper

99 100

42 18.8 14.1 21.1

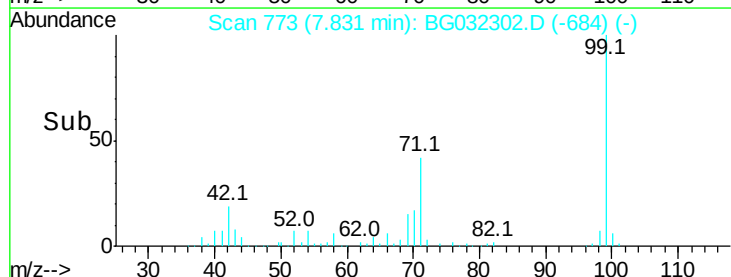
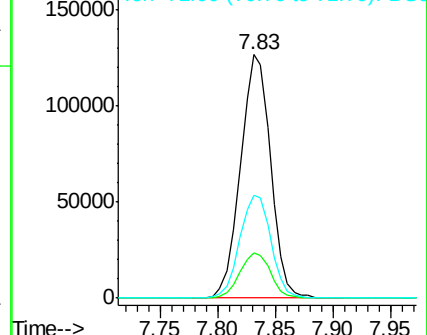
71 42.1 26.1 39.1#

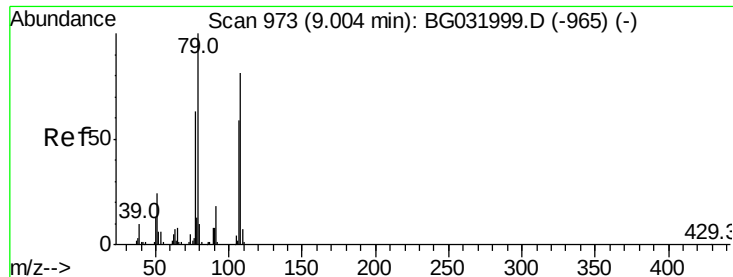


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.095 ng

RT: 9.06 min Scan# 982

Delta R.T. 0.10 min

Lab File: BG032302.D

Acq: 25 Jan 2018 20:32

Instrument :

BNA_G

ClientSampleId :

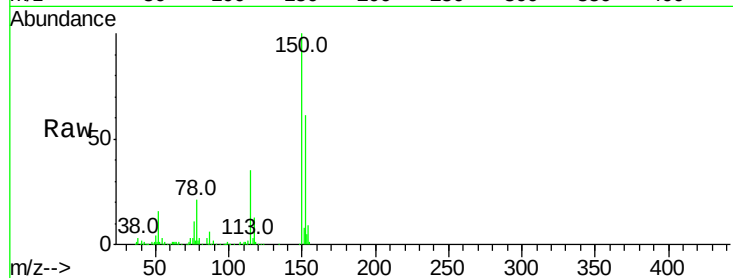
Tot Ion: 79 Resp: 3440

Ion Ratio Lower Upper

79 100

108 29.3 57.2 85.8#

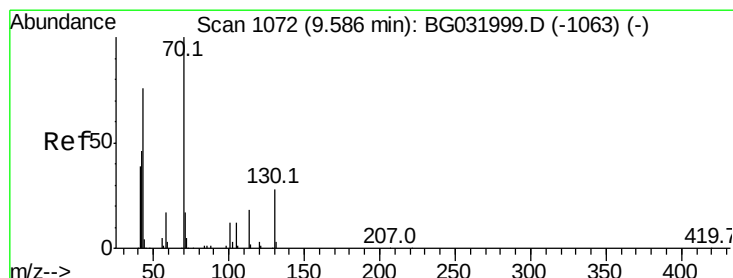
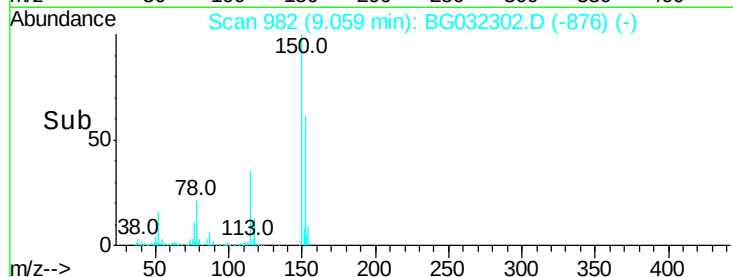
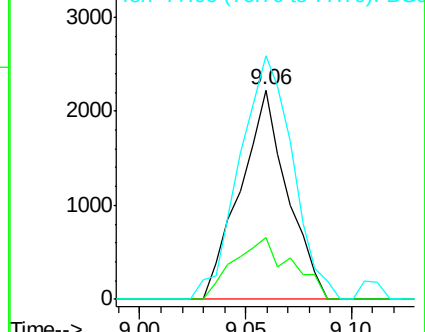
77 116.5 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 19.493 ng

RT: 9.92 min Scan# 1129

Delta R.T. 0.38 min

Lab File: BG032302.D

Acq: 25 Jan 2018 20:32

Tgt Ion: 70 Resp: 27335

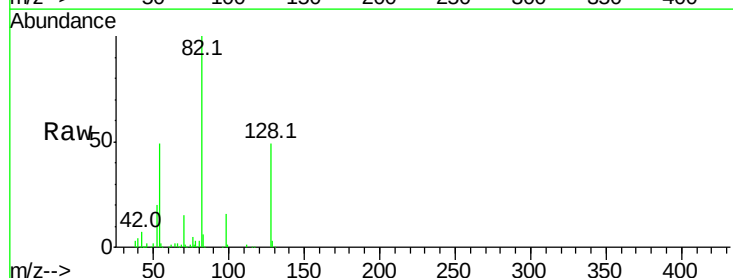
Ion Ratio Lower Upper

70 100

42 46.6 49.1 73.7#

101 0.0 8.5 12.7#

130 1.3 13.4 20.0#

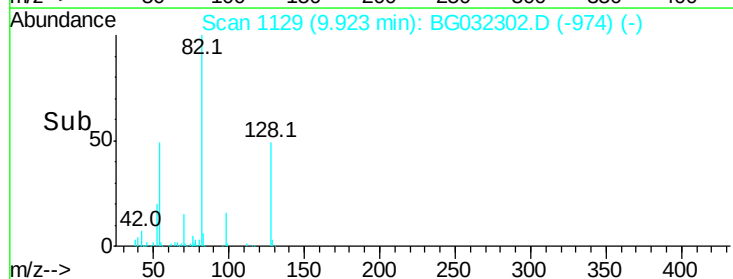
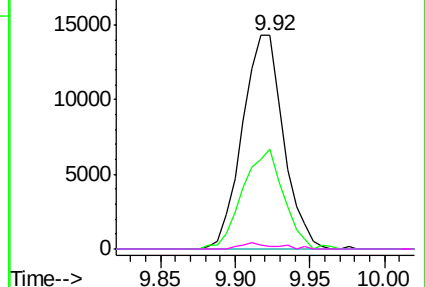


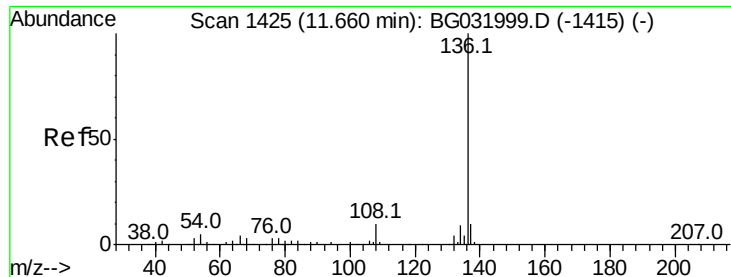
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

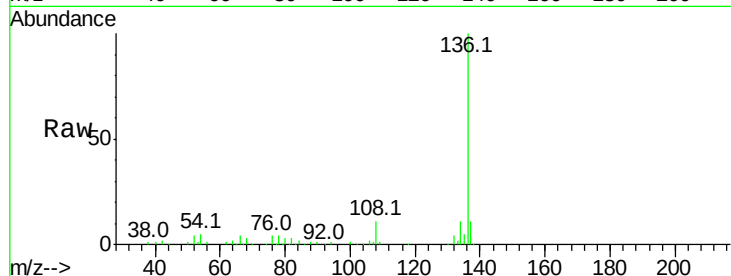




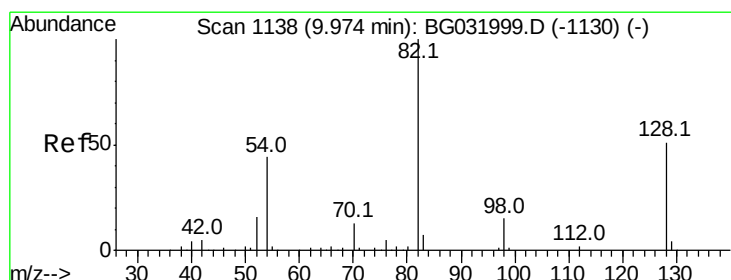
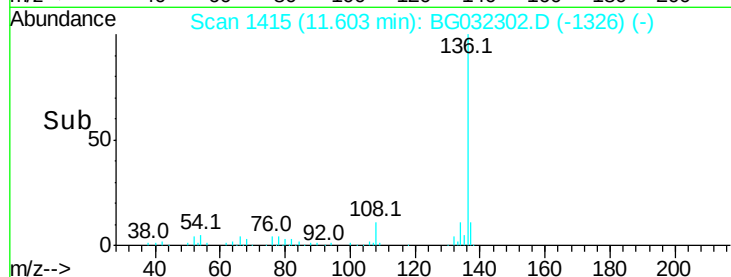
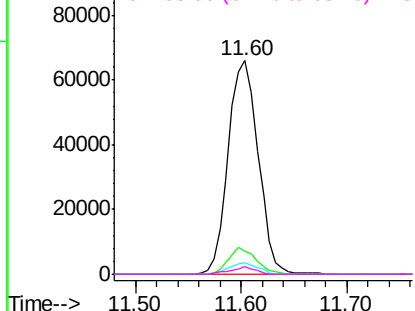
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1415
Delta R.T. -0.00 min
Lab File: BG032302.D
Acq: 25 Jan 2018 20:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	129279
Ion	Ratio	Lower Upper
136	100	
137	10.7	9.2 13.8
54	5.3	10.3 15.5#
68	3.4	4.5 6.7#

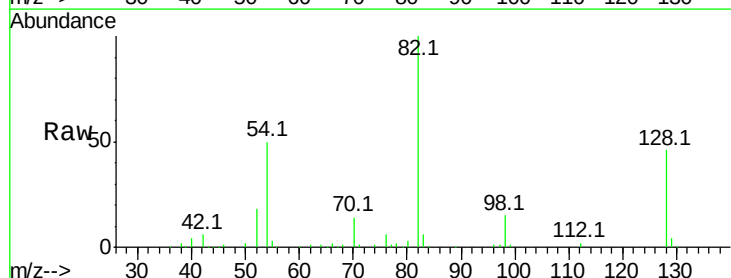


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

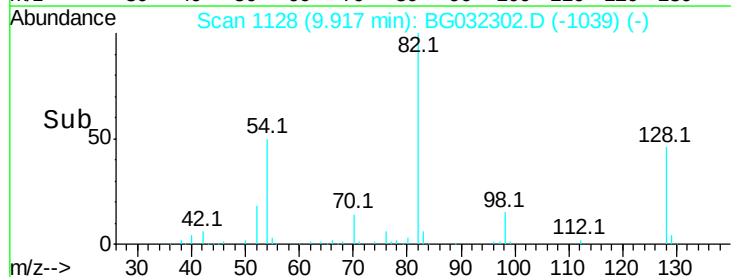
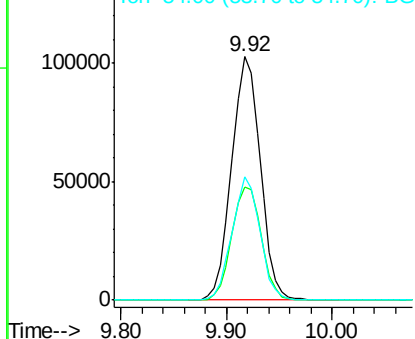


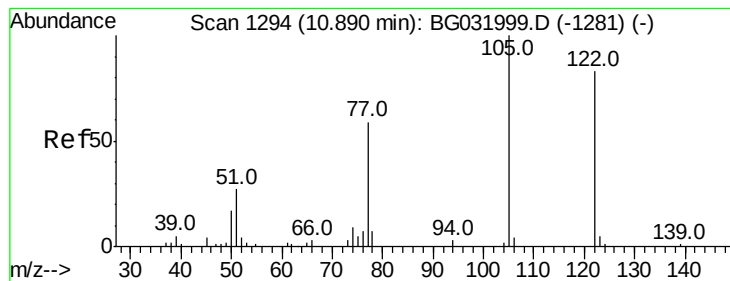
#23
Nitrobenzene-d5
Concen: 100.785 ng
RT: 9.92 min Scan# 1128
Delta R.T. -0.00 min
Lab File: BG032302.D
Acq: 25 Jan 2018 20:32

Tgt Ion: 82	Resp:	192588
Ion	Ratio	Lower Upper
82	100	
128	46.2	29.7 44.5#
54	50.4	43.1 64.7



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





#32

Benzoic acid

Concen: 5.294 ng

RT: 10.92 min Scan# 1299

Delta R.T. 0.07 min

Lab File: BG032302.D

Acq: 25 Jan 2018 20:32

Instrument :

BNA_G

ClientSampled :

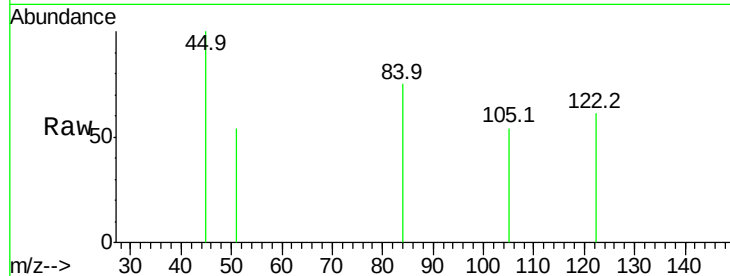
Tot Ion:122 Resp: 62

Ion Ratio Lower Upper

122 100

105 88.1 123.5 163.5#

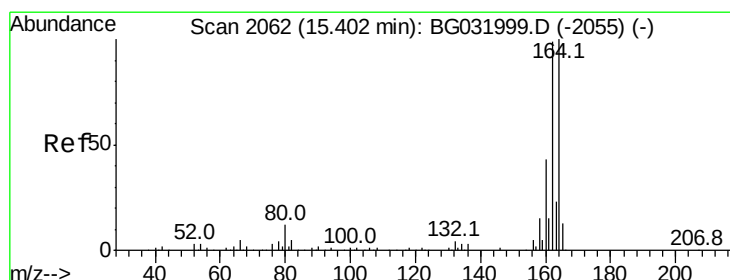
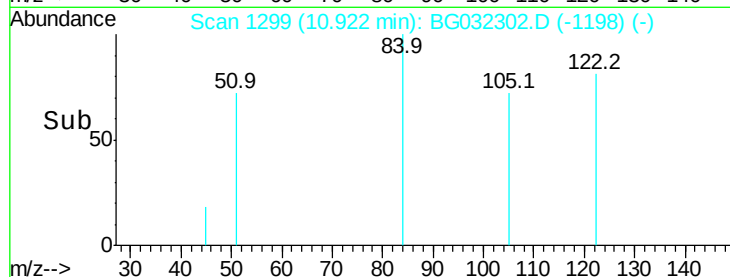
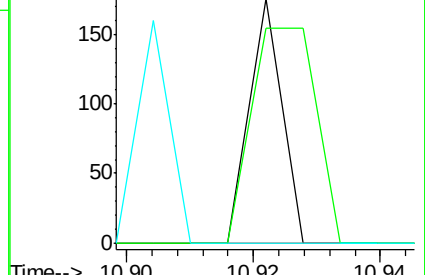
77 0.0 85.7 125.7#



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): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.36 min Scan# 2054

Delta R.T. -0.00 min

Lab File: BG032302.D

Acq: 25 Jan 2018 20:32

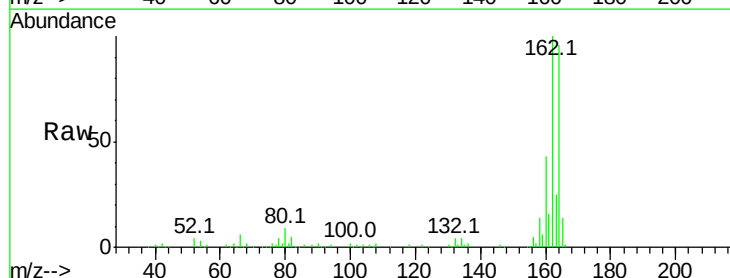
Tgt Ion:164 Resp: 96760

Ion Ratio Lower Upper

164 100

162 104.4 78.8 118.2

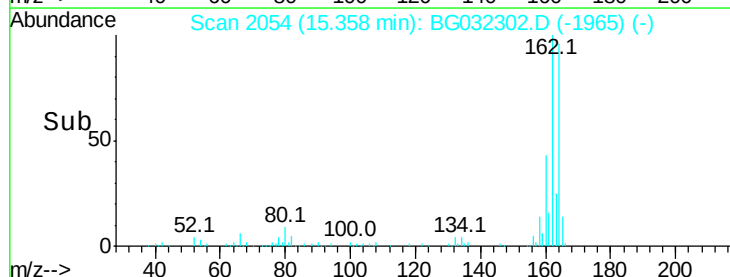
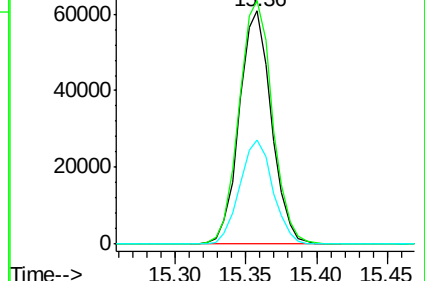
160 44.9 35.4 53.0

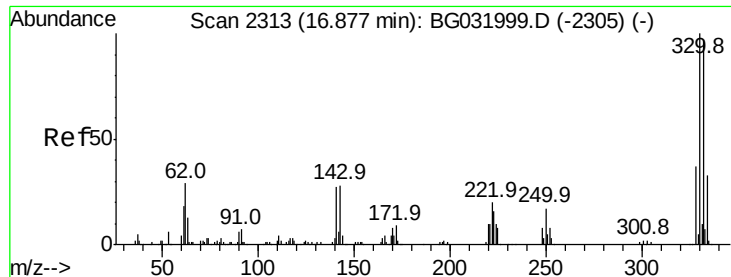


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

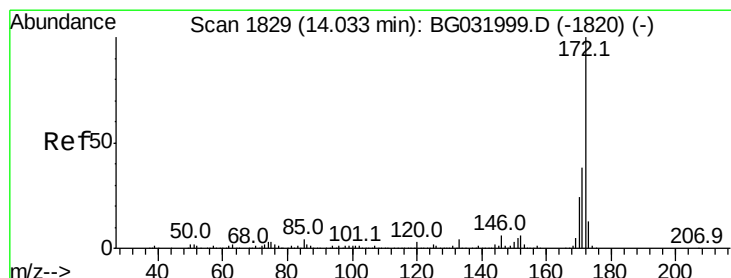
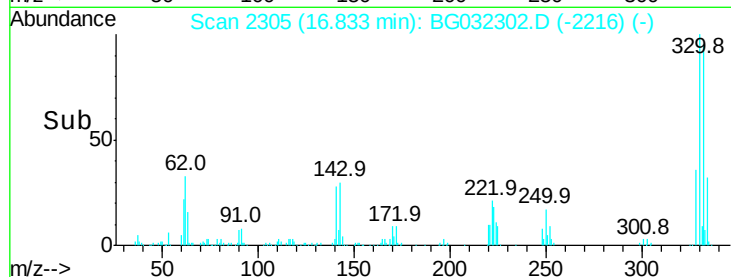
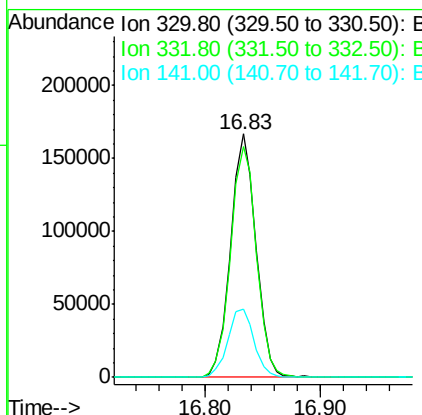
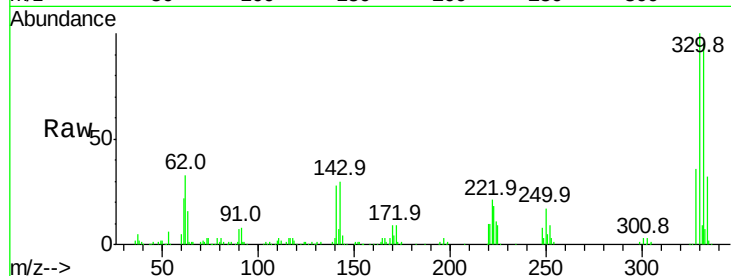




#41
 2,4,6-Tribromophenol
 Concen: 158.071 ng
 RT: 16.83 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: BG032302.D
 Acq: 25 Jan 2018 20:32

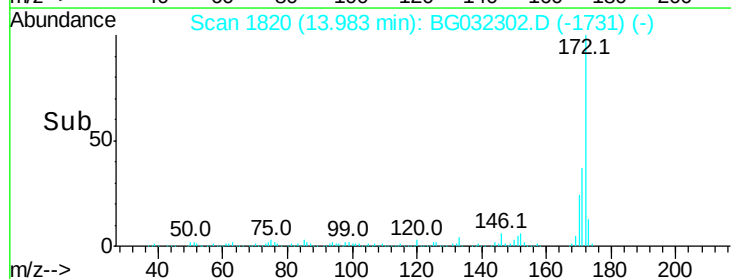
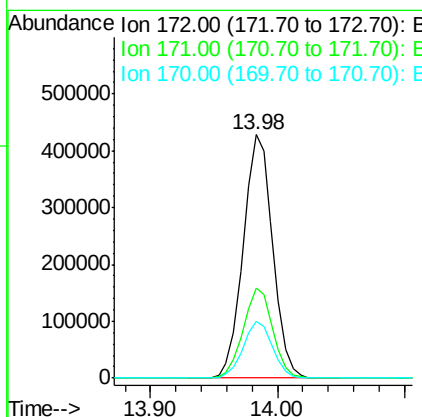
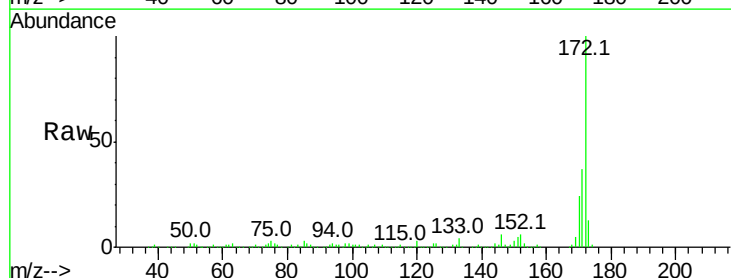
Instrument :
 BNA_G
 ClientSampleId :

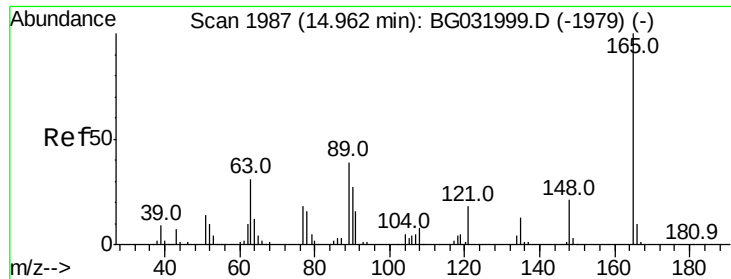
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.0	115.6
141	29.1	25.2	37.8



#44
 2-Fluorobiphenyl
 Concen: 88.206 ng
 RT: 13.98 min Scan# 1820
 Delta R.T. -0.00 min
 Lab File: BG032302.D
 Acq: 25 Jan 2018 20:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.0	45.0
170	23.6	19.5	29.3

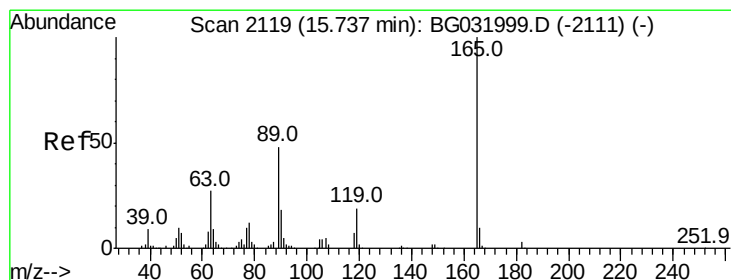
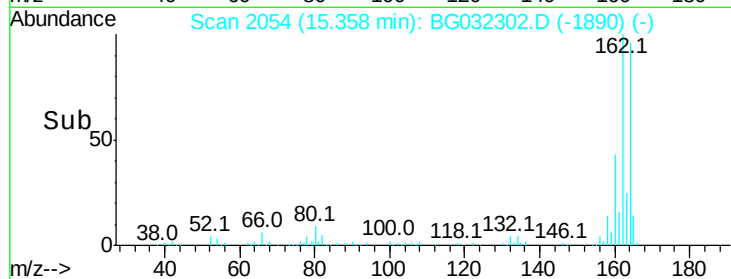
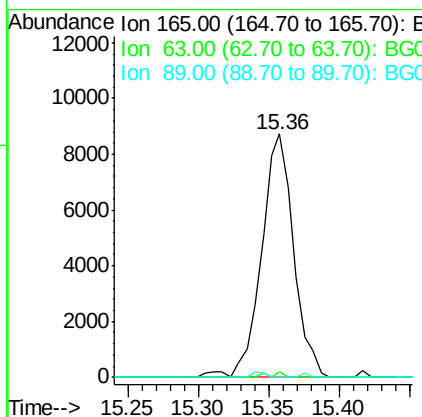
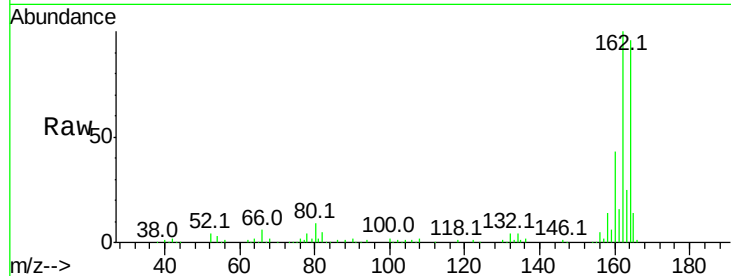




#50
 2,6-Dinitrotoluene
 Concen: 7.932 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. 0.44 min
 Lab File: BG032302.D
 Acq: 25 Jan 2018 20:32

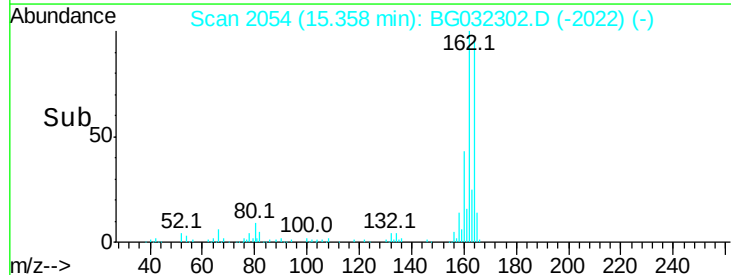
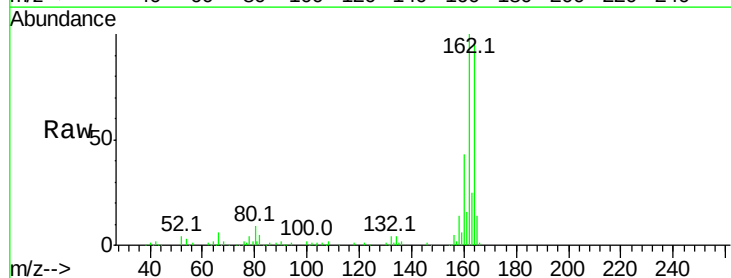
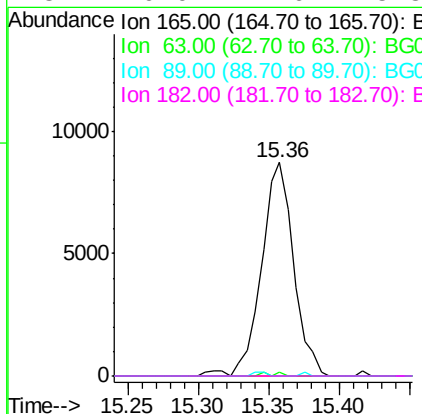
Instrument :
 BNA_G
 ClientSampleId :

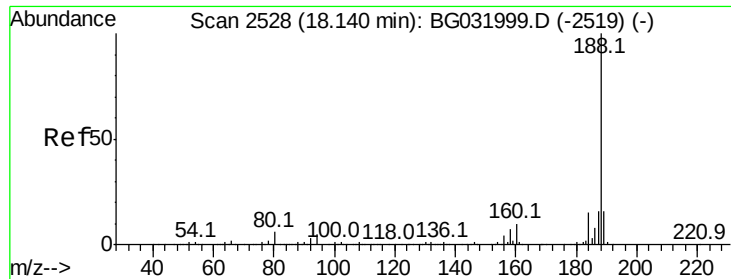
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.1	52.7	79.1#
89	0.0	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.891 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. -0.34 min
 Lab File: BG032302.D
 Acq: 25 Jan 2018 20:32

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#

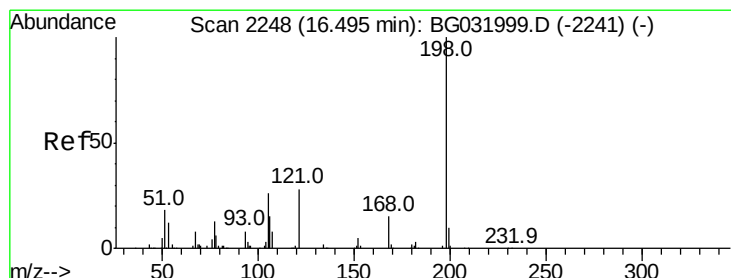
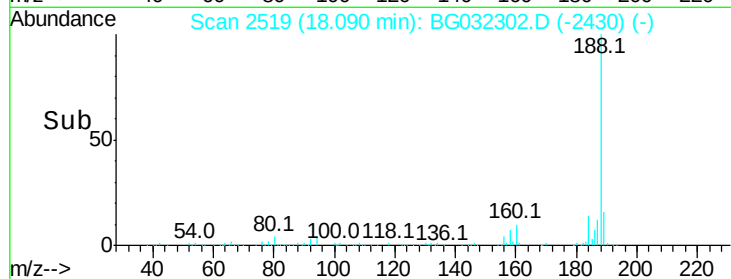
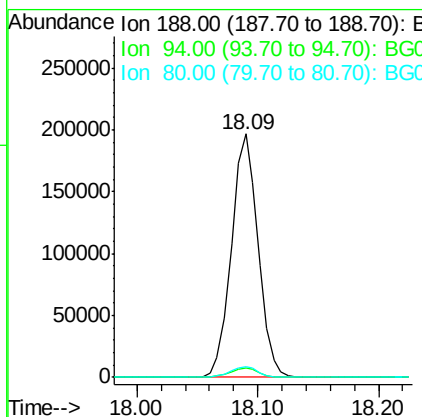
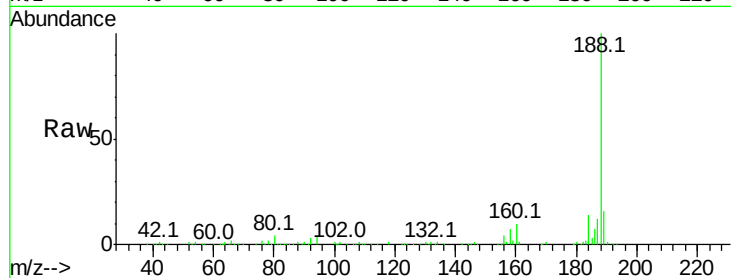




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.09 min Scan# 2519
 Delta R.T. -0.00 min
 Lab File: BG032302.D
 Acq: 25 Jan 2018 20:32

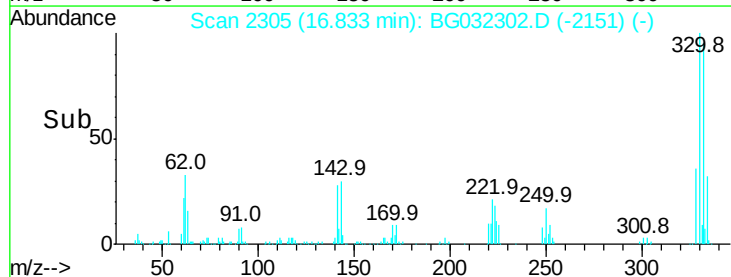
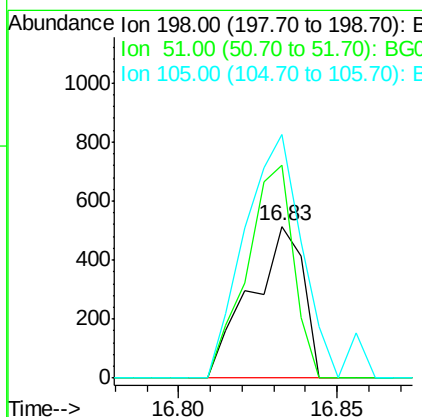
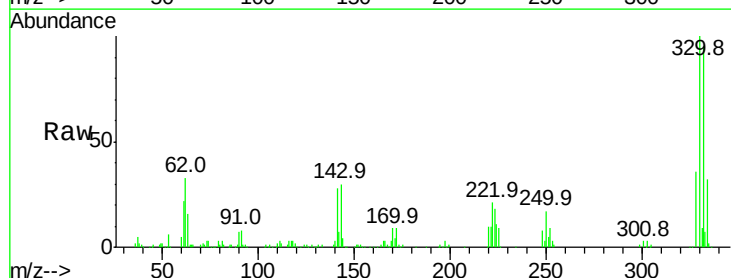
Instrument :
 BNA_G
 ClientSampleId :

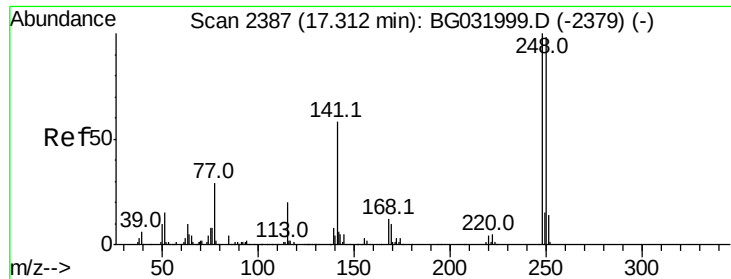
Tot Ion:188 Resp: 301664
 Ion Ratio Lower Upper
 188 100
 94 3.9 6.9 10.3#
 80 4.5 7.7 11.5#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.158 ng
 RT: 16.83 min Scan# 2305
 Delta R.T. 0.38 min
 Lab File: BG032302.D
 Acq: 25 Jan 2018 20:32

Tgt Ion:198 Resp: 588
 Ion Ratio Lower Upper
 198 100
 51 140.4 30.6 70.6#
 105 160.8 23.8 63.8#

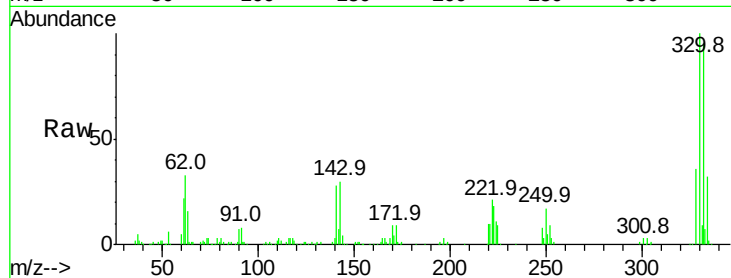




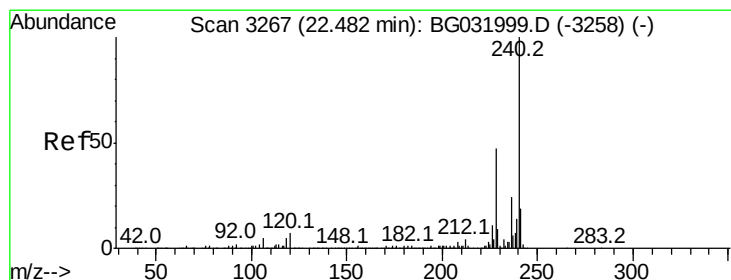
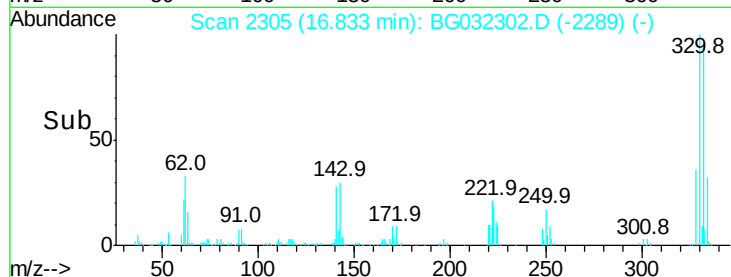
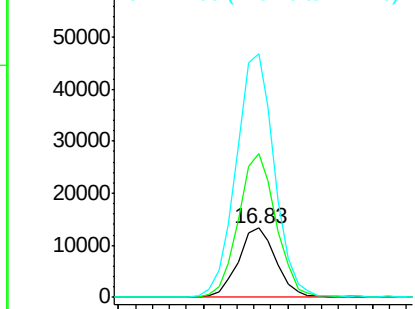
#66
4-Bromophenyl-phenylether
Concen: 4.818 ng
RT: 16.83 min Scan# 2305
Delta R.T. -0.43 min
Lab File: BG032302.D
Acq: 25 Jan 2018 20:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 20681
Ion Ratio Lower Upper
248 100
250 207.3 77.1 115.7#
141 351.6 50.8 76.2#

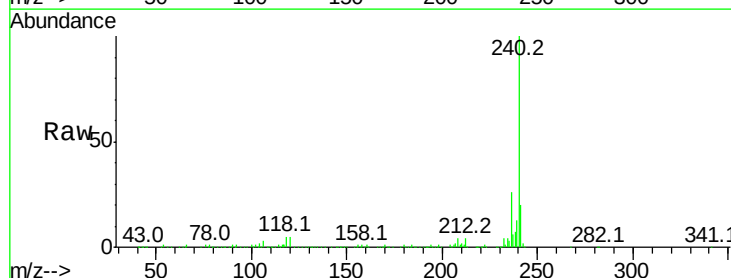


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

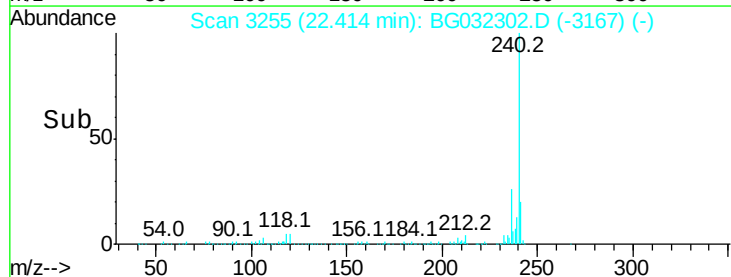
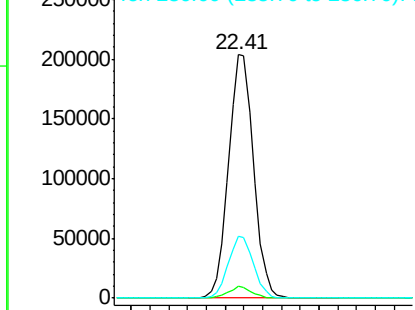


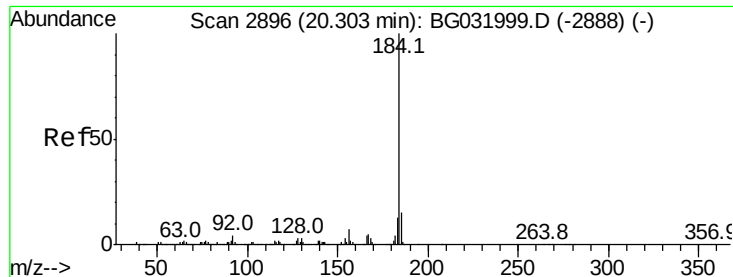
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.41 min Scan# 3255
Delta R.T. -0.01 min
Lab File: BG032302.D
Acq: 25 Jan 2018 20:32

Tgt Ion:240 Resp: 376625
Ion Ratio Lower Upper
240 100
120 4.8 6.8 10.2#
236 25.5 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: 2.413 ng

RT: 20.63 min Scan# 2951

Delta R.T. 0.37 min

Lab File: BG032302.D

Acq: 25 Jan 2018 20:32

Instrument :

BNA_G

ClientSampleId :

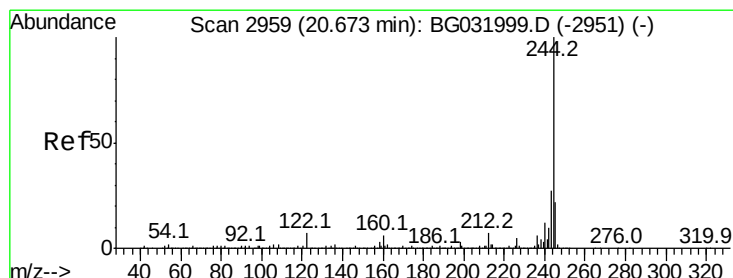
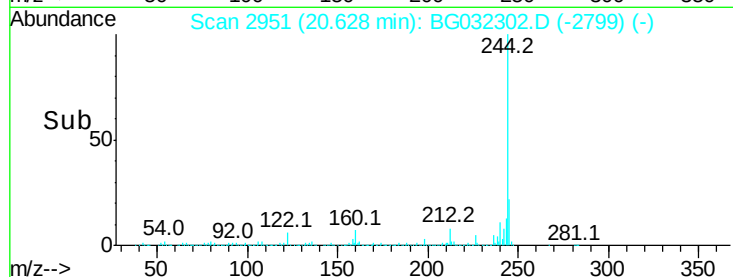
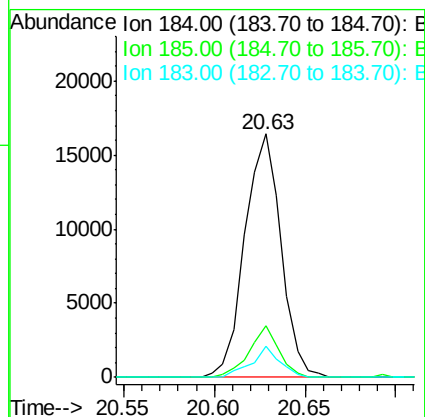
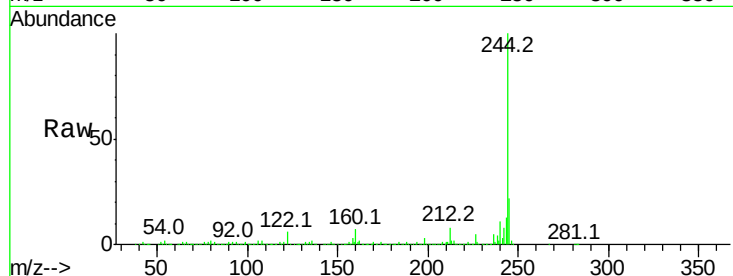
Tot Ion:184 Resp: 22730

Ion Ratio Lower Upper

184 100

185 21.4 11.1 16.7#

183 13.0 10.6 16.0



#78

Terphenyl-d14

Concen: 94.014 ng

RT: 20.63 min Scan# 2951

Delta R.T. -0.00 min

Lab File: BG032302.D

Acq: 25 Jan 2018 20:32

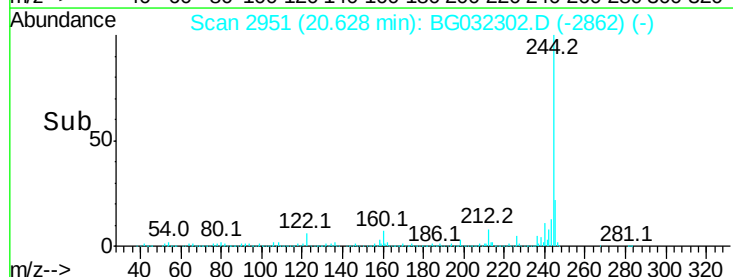
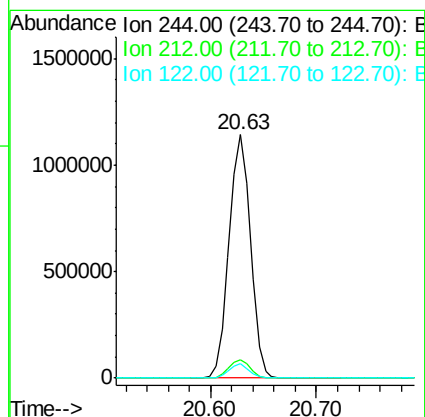
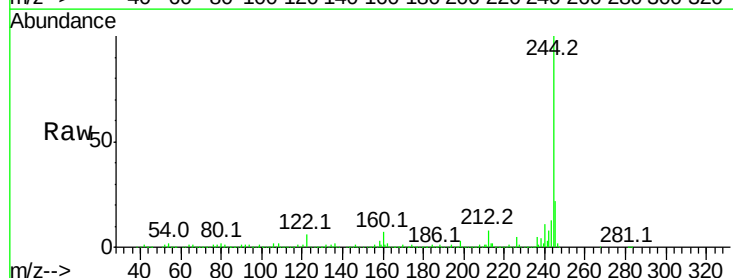
Tgt Ion:244 Resp: 1603589

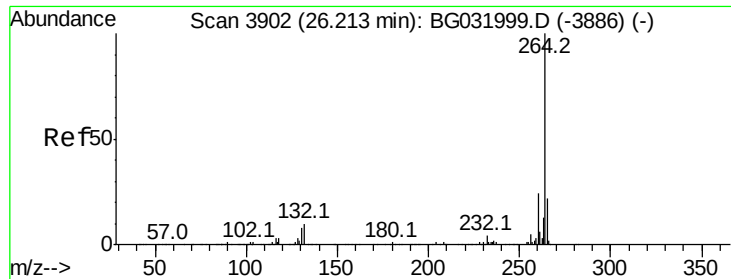
Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

122 5.9 7.0 10.4#

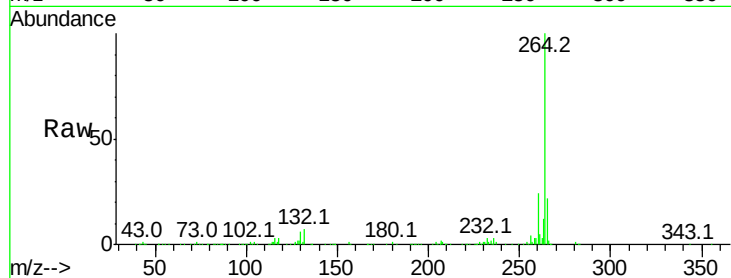




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.10 min Scan# 3882
Delta R.T. -0.01 min
Lab File: BG032302.D
Acq: 25 Jan 2018 20:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	17.4	26.0
265	21.9	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

