

Data Path : U:\HPCHEM1\BNA G\DATA\BG012418\
 Data File : BG032293.D
 Acq On : 25 Jan 2018 12:02
 Operator : SJ/JU
 Sample : J1266-08
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 25 13:12:11 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	36266	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	138337	20.00	ng	0.00
38) Acenaphthene-d10	15.35	164	95761	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	272570	20.00	ng	0.00
75) Chrysene-d12	22.42	240	367223	20.00	ng	0.00
86) Perylene-d12	26.10	264	385394	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	263810	133.04	ng	0.00
7) Phenol-d6	7.84	99	301235	120.62	ng	0.00
23) Nitrobenzene-d5	9.92	82	219206	107.20	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	263119	166.05	ng	0.00
44) 2-Fluorobiphenyl	13.98	172	763634	98.88	ng	0.00
78) Terphenyl-d14	20.63	244	1696685	102.02	ng	0.00

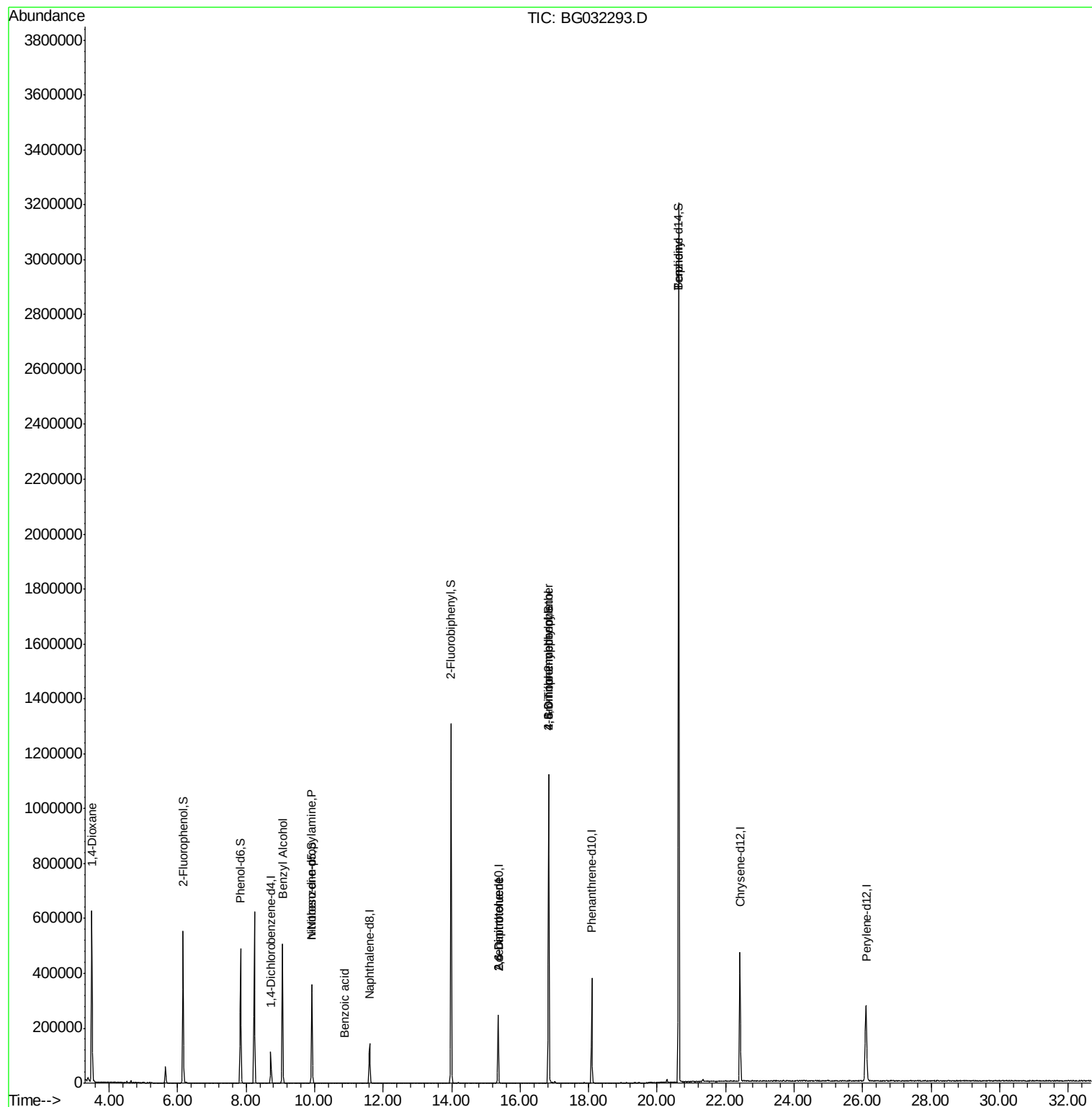
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.50	88	7332	9.625	ng	# 1
15) Benzyl Alcohol	9.06	79	4025	2.219	ng	# 36
19) n-Nitroso-di-n-propylamine	9.92	70	31942	20.614	ng	# 66
32) Benzoic acid	10.86	122	54	5.287	ng	# 1
50) 2,6-Dinitrotoluene	15.35	165	12841	7.383	ng	# 18
56) 2,4-Dinitrotoluene	15.35	165	12841	5.483	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.83	198	766	5.279	ng	# 59
66) 4-Bromophenyl-phenylether	16.83	248	21491	5.542	ng	# 1
76) Benzidine	20.62	184	25231	2.748	ng	# 90

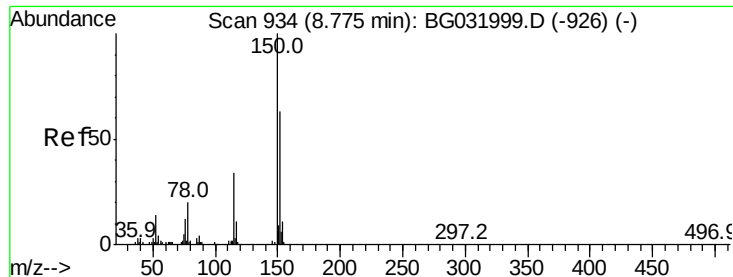
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG032293.D

Acq: 25 Jan 2018 12:02

Instrument :

BNA_G

ClientSampleId :

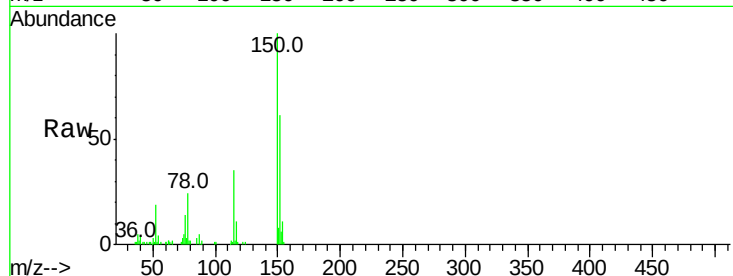
Tot Ion:152 Resp: 36266

Ion Ratio Lower Upper

152 100

150 163.0 126.6 189.8

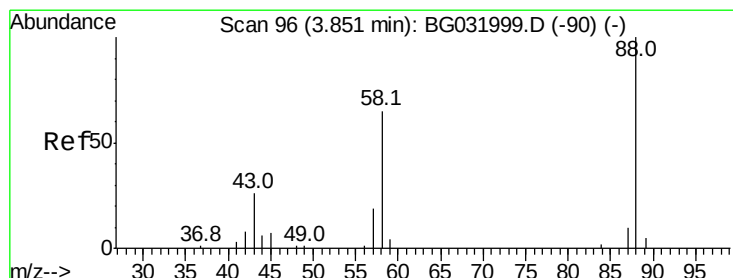
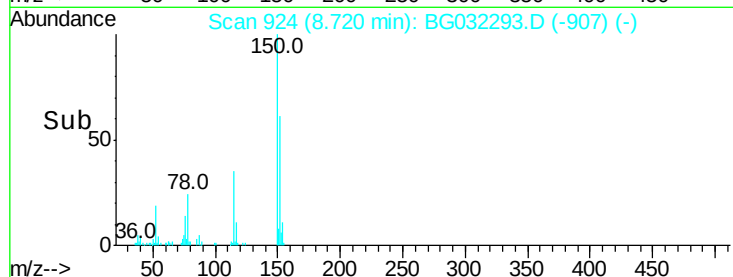
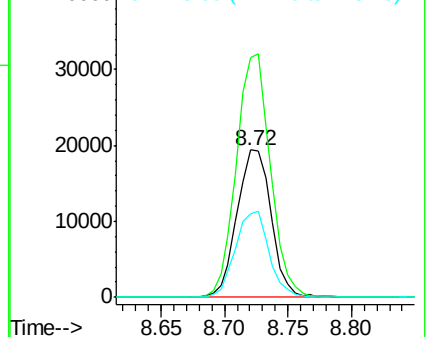
115 56.6 53.0 79.4



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: 9.625 ng

RT: 3.50 min Scan# 35

Delta R.T. -0.33 min

Lab File: BG032293.D

Acq: 25 Jan 2018 12:02

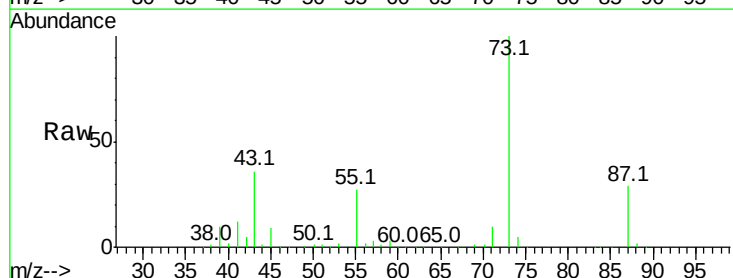
Tgt Ion: 88 Resp: 7332

Ion Ratio Lower Upper

88 100

58 31.6 79.6 119.4#

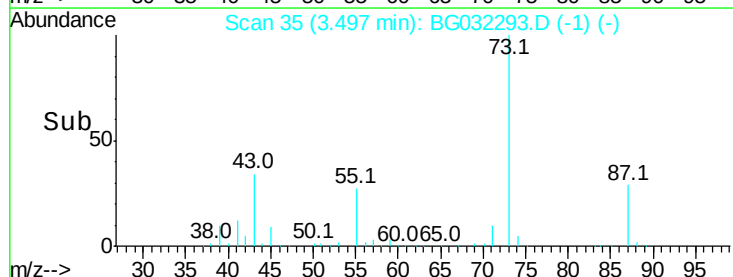
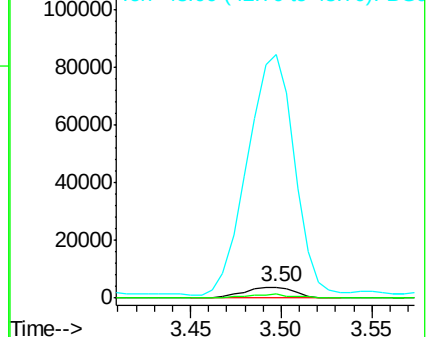
43 2037.6 27.4 41.0#

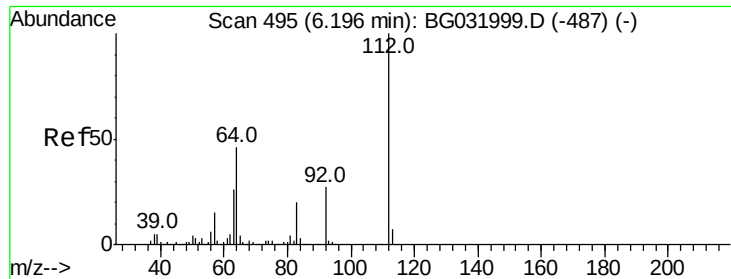


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 133.042 ng

RT: 6.16 min Scan# 488

Delta R.T. 0.00 min

Lab File: BG032293.D

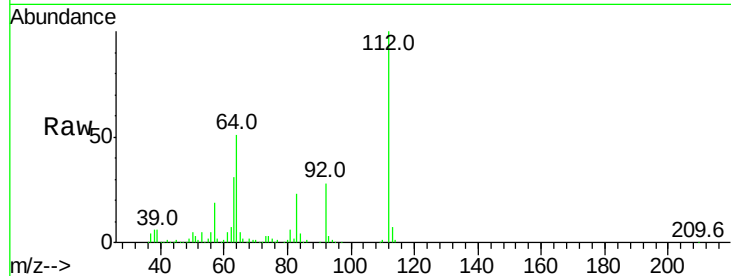
Acq: 25 Jan 2018 12:02

Instrument :

BNA_G

ClientSampleId :

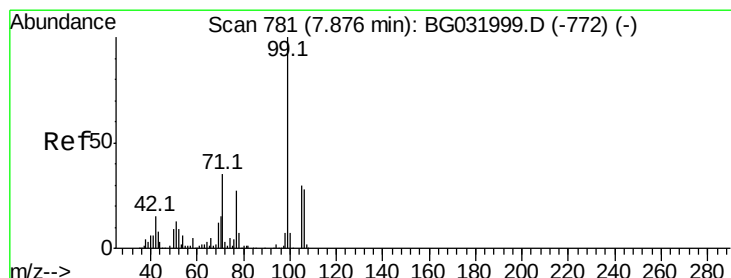
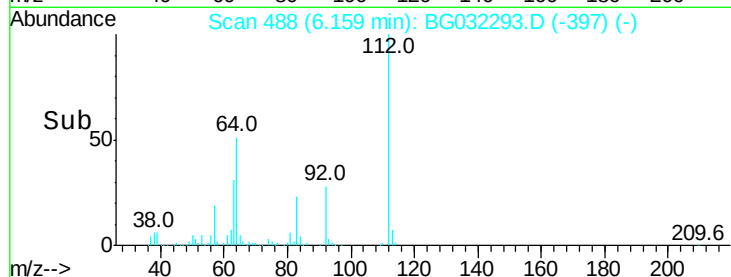
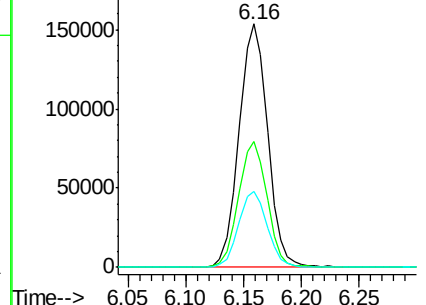
Tot Ion:	112	Resp:	263810
Ion	Ratio	Lower	Upper
112	100		
64	51.5	56.3	84.5#
63	31.0	30.1	45.1



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: 120.622 ng

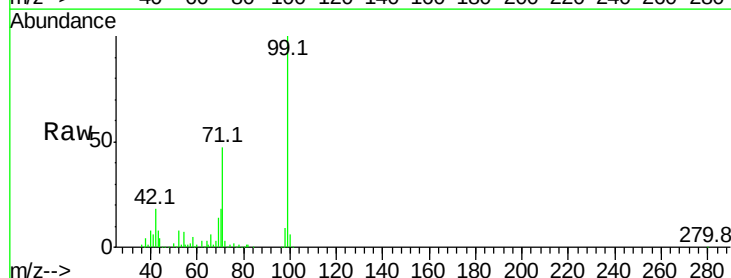
RT: 7.84 min Scan# 774

Delta R.T. 0.00 min

Lab File: BG032293.D

Acq: 25 Jan 2018 12:02

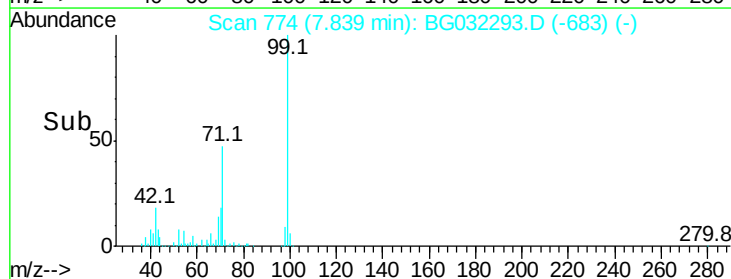
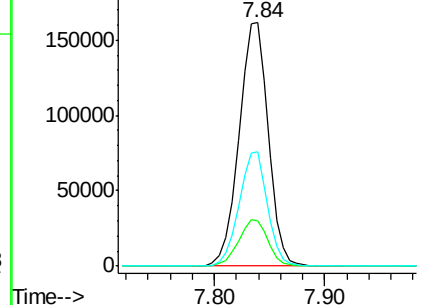
Tgt Ion:	99	Resp:	301235
Ion	Ratio	Lower	Upper
99	100		
42	18.4	14.1	21.1
71	46.9	26.1	39.1#

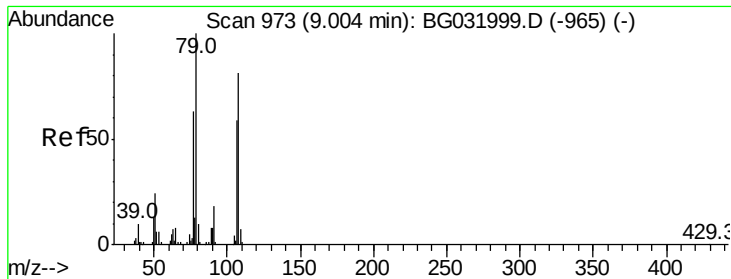


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.219 ng

RT: 9.06 min Scan# 982

Delta R.T. 0.10 min

Lab File: BG032293.D

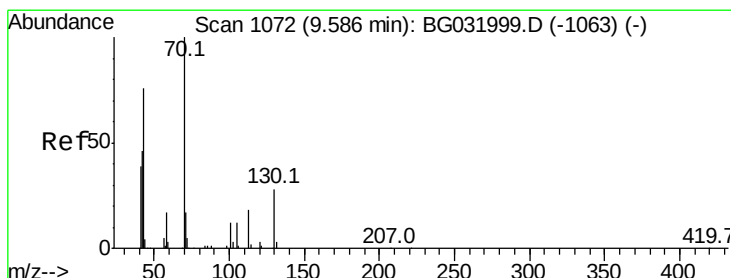
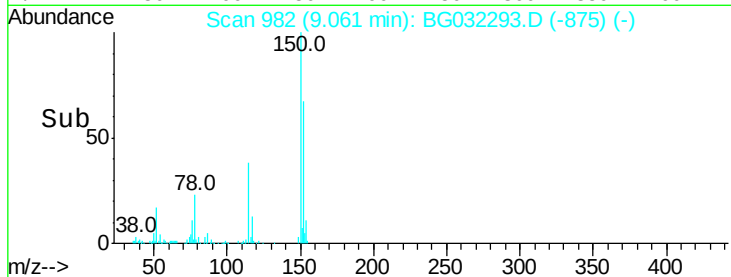
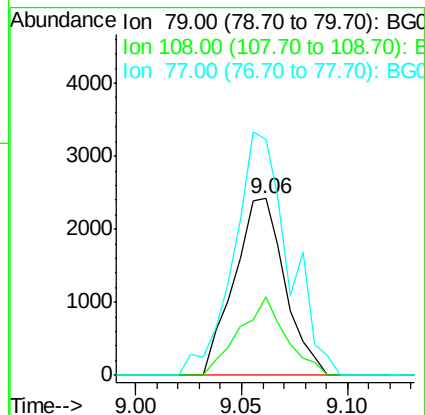
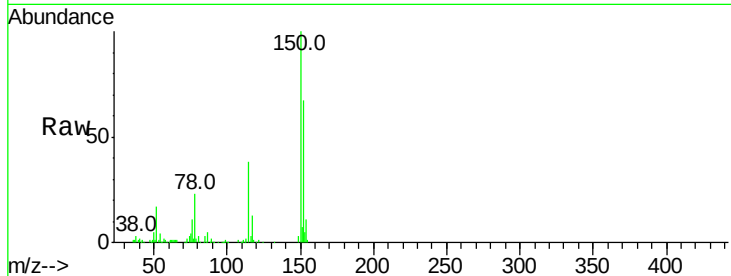
Acq: 25 Jan 2018 12:02

Instrument :

BNA_G

ClientSampleId :

Tot Ion	Ratio	Lower	Upper
79	100		
108	44.6	57.2	85.8#
77	133.9	46.1	69.1#



#19

n-Nitroso-di-n-propylamine

Concen: 20.614 ng

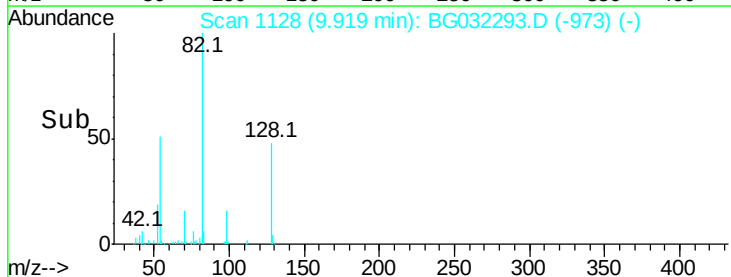
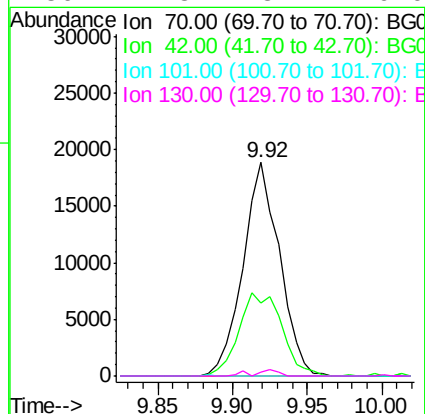
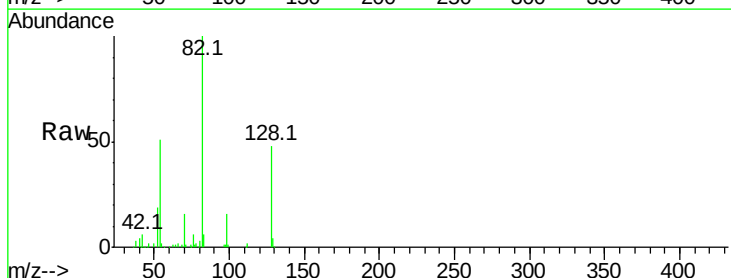
RT: 9.92 min Scan# 1128

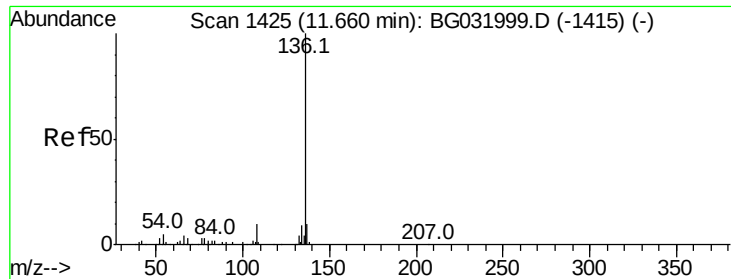
Delta R.T. 0.38 min

Lab File: BG032293.D

Acq: 25 Jan 2018 12:02

Tgt Ion	Ratio	Lower	Upper
70	100		
42	34.4	49.1	73.7#
101	0.0	8.5	12.7#
130	1.8	13.4	20.0#

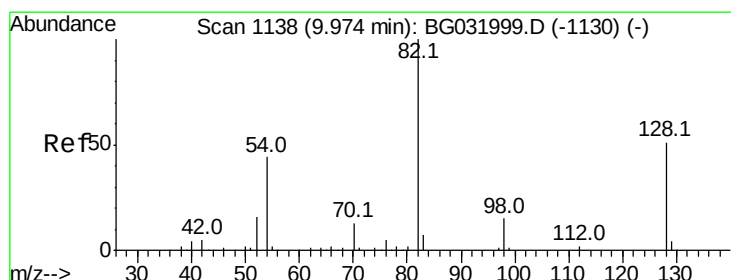
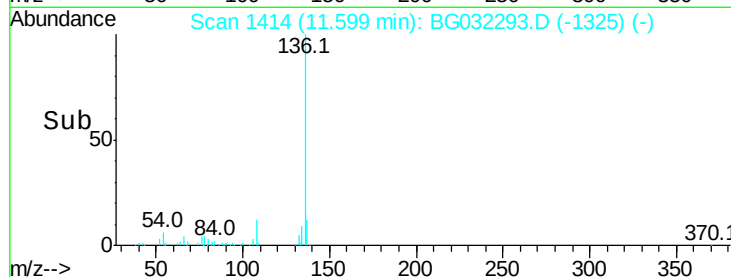
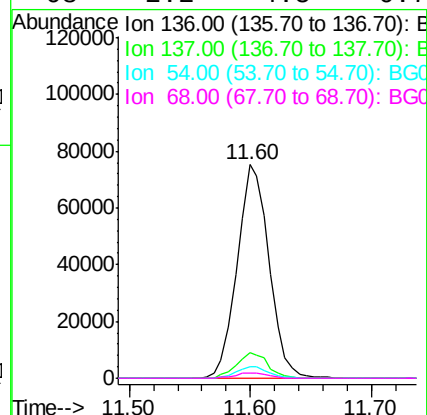
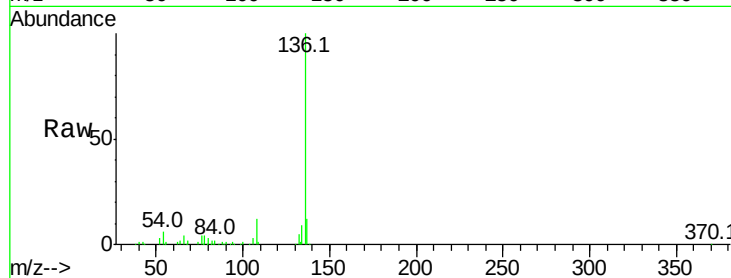




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BG032293.D
Acq: 25 Jan 2018 12:02

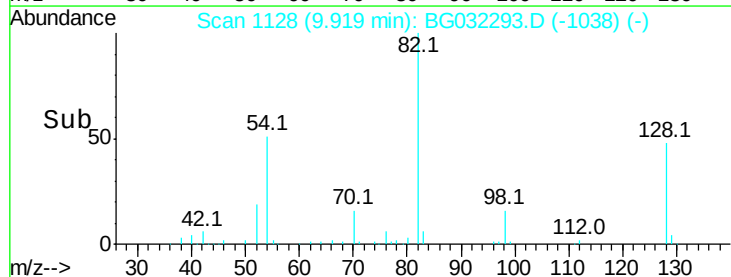
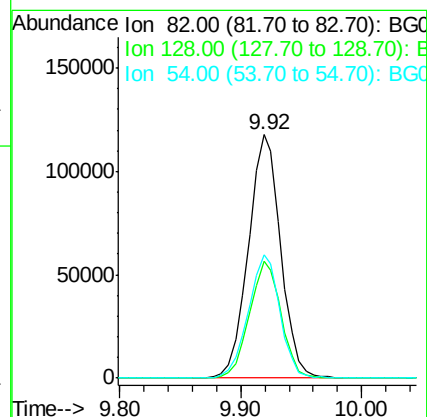
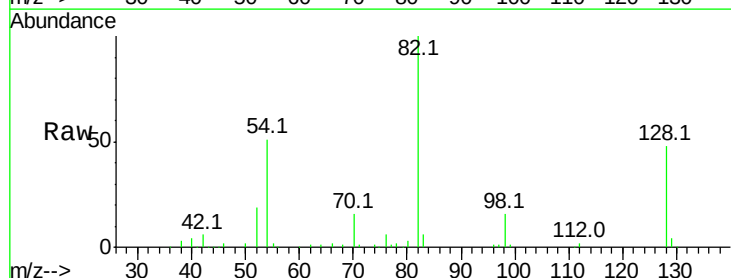
Instrument :
BNA_G
ClientSampled :

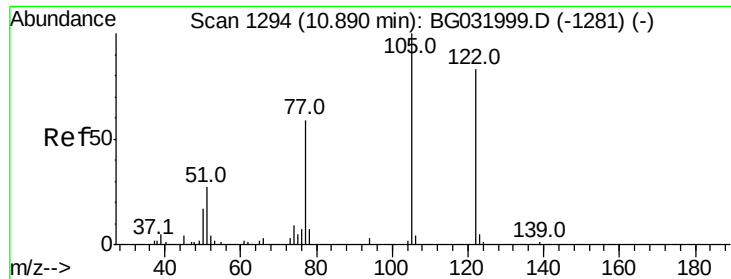
Tot Ion:	136	Resp:	138337
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.2	13.8
54	5.6	10.3	15.5#
68	2.2	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 107.204 ng
RT: 9.92 min Scan# 1128
Delta R.T. -0.00 min
Lab File: BG032293.D
Acq: 25 Jan 2018 12:02

Tgt Ion:	82	Resp:	219206
Ion	Ratio	Lower	Upper
82	100		
128	47.8	29.7	44.5#
54	50.6	43.1	64.7





#32

Benzoic acid

Concen: 5.287 ng

RT: 10.86 min Scan# 1289

Delta R.T. 0.01 min

Lab File: BG032293.D

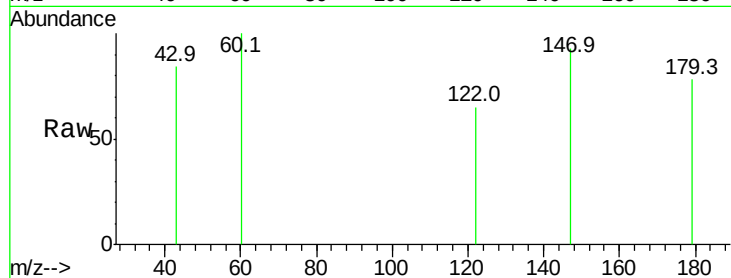
Acq: 25 Jan 2018 12:02

Instrument :

BNA_G

ClientSampled :

Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	123.5	163.5#
77	0.0	85.7	125.7#

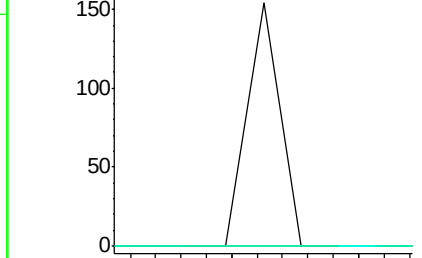


Abundance Ion 122.00 (121.70 to 122.70): E

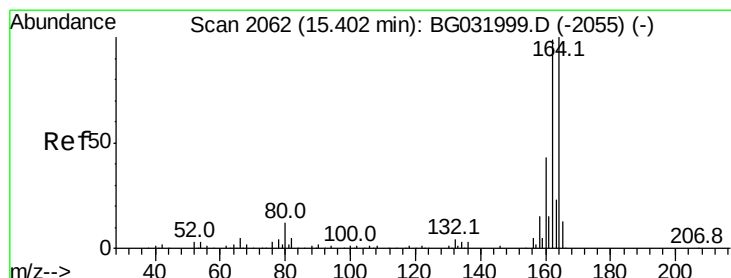
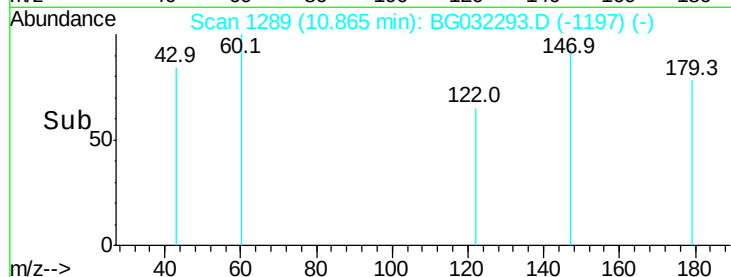
Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

10.86



Time-->



#38

Acenaphthene-d10

Concen: 20.000 ng

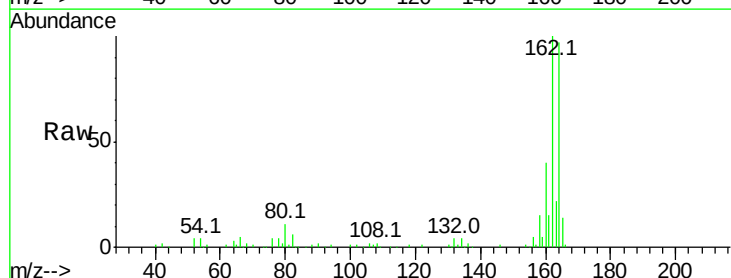
RT: 15.35 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BG032293.D

Acq: 25 Jan 2018 12:02

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.3	78.8	118.2
160	41.8	35.4	53.0

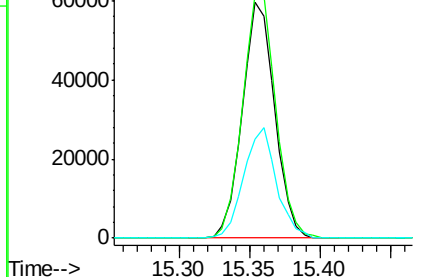


Abundance Ion 164.00 (163.70 to 164.70): E

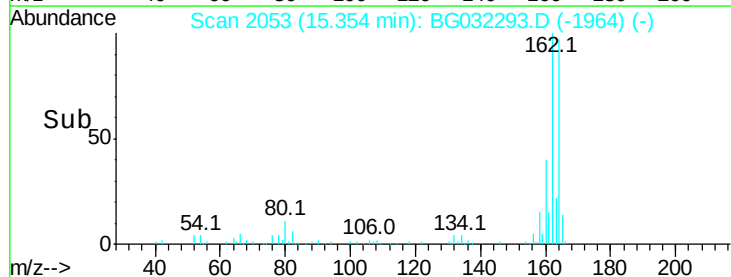
Ion 162.00 (161.70 to 162.70): E

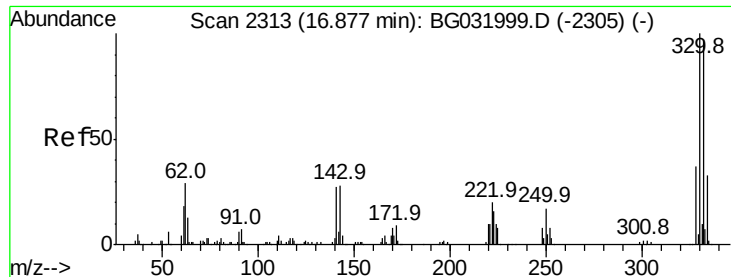
Ion 160.00 (159.70 to 160.70): E

15.35



Time-->

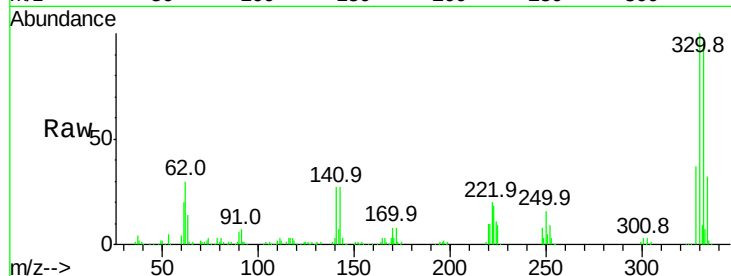




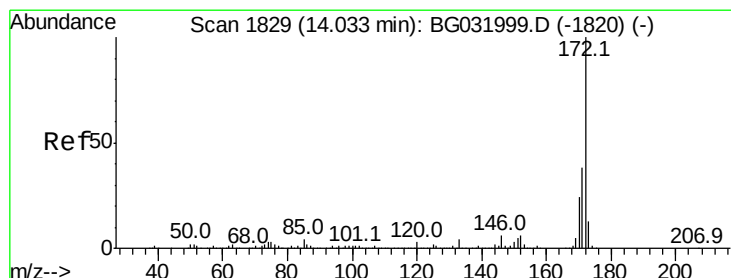
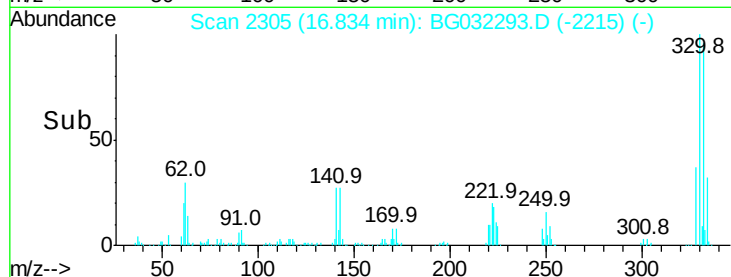
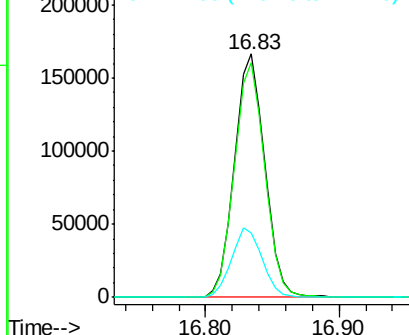
#41
 2,4,6-Tribromophenol
 Concen: 166.045 ng
 RT: 16.83 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: BG032293.D
 Acq: 25 Jan 2018 12:02

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	29.0	25.2	37.8

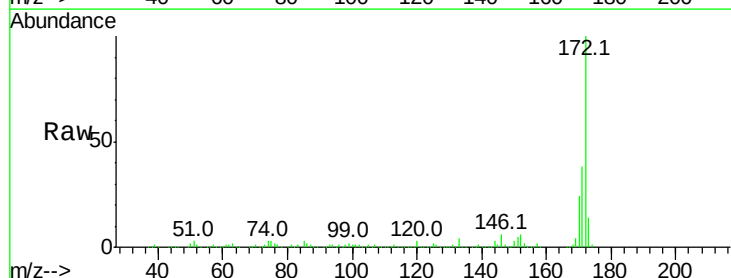


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

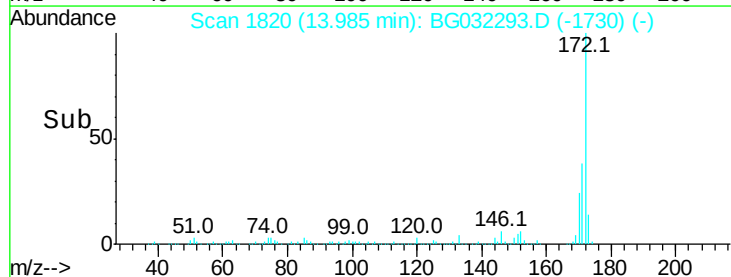
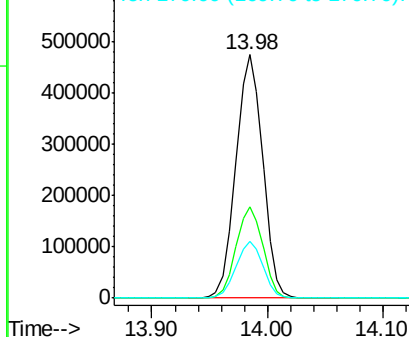


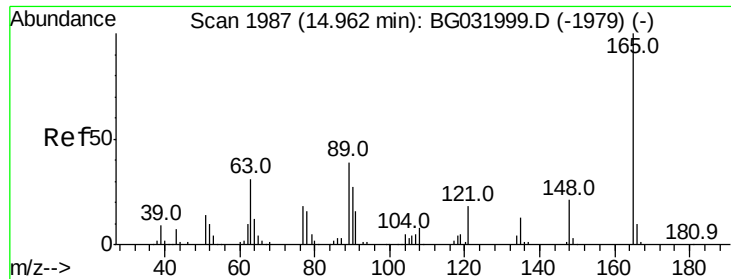
#44
 2-Fluorobiphenyl
 Concen: 98.878 ng
 RT: 13.98 min Scan# 1820
 Delta R.T. -0.00 min
 Lab File: BG032293.D
 Acq: 25 Jan 2018 12:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	30.0	45.0
170	23.5	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

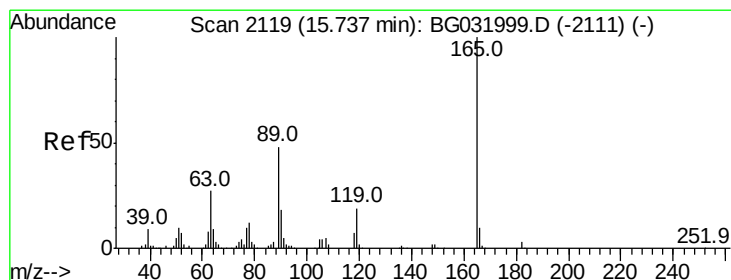
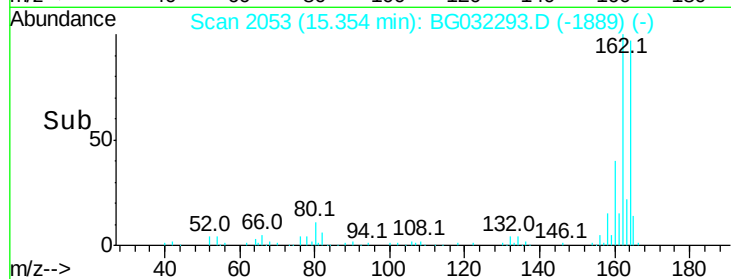
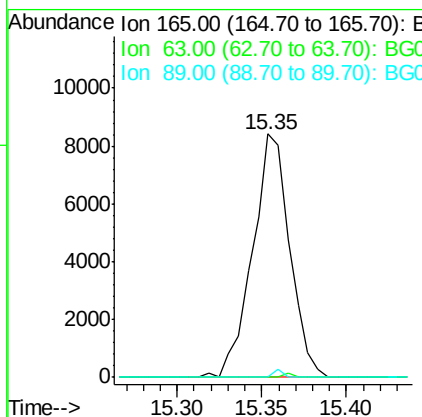
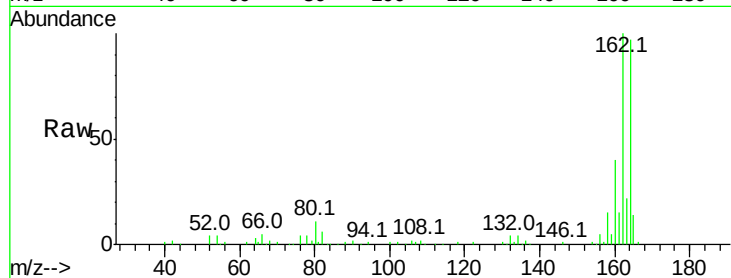




#50
 2,6-Dinitrotoluene
 Concen: 7.383 ng
 RT: 15.35 min Scan# 2053
 Delta R.T. 0.43 min
 Lab File: BG032293.D
 Acq: 25 Jan 2018 12:02

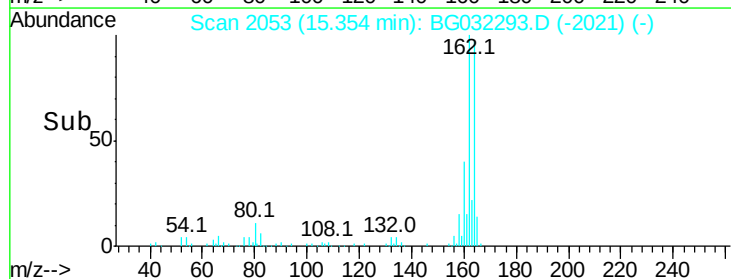
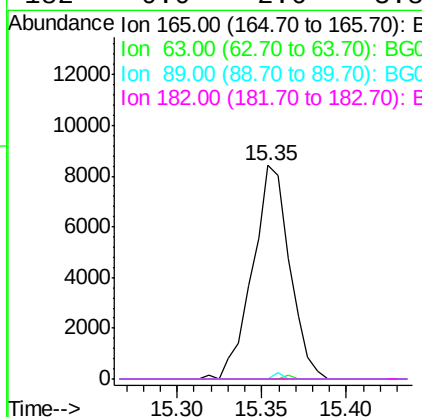
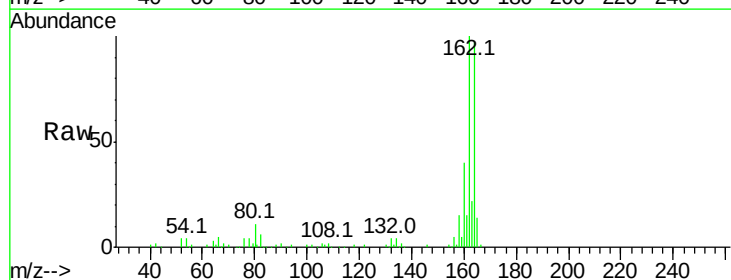
Instrument :
 BNA_G
 ClientSampled :

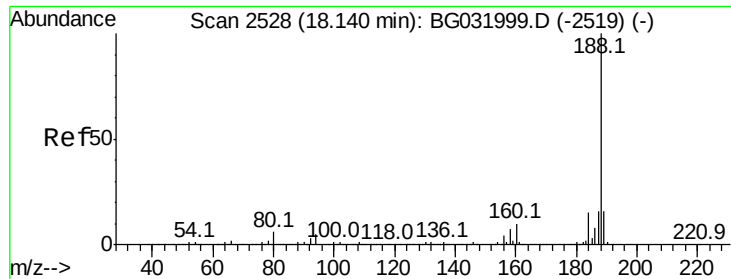
Tot Ion:165 Resp: 12841
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.483 ng
 RT: 15.35 min Scan# 2053
 Delta R.T. -0.34 min
 Lab File: BG032293.D
 Acq: 25 Jan 2018 12:02

Tgt Ion:165 Resp: 12841
 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#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.09 min Scan# 2519

Delta R.T. -0.00 min

Lab File: BG032293.D

Acq: 25 Jan 2018 12:02

Instrument :

BNA_G

ClientSampleId :

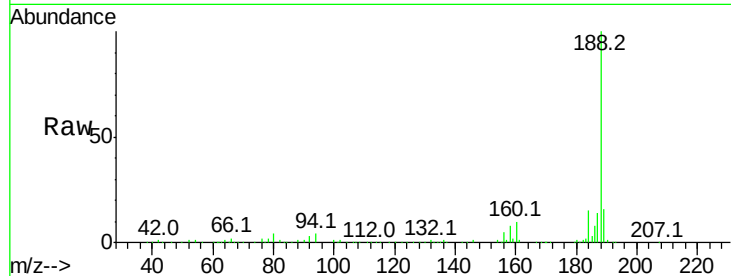
Tot Ion:188 Resp: 272570

Ion Ratio Lower Upper

188 100

94 4.2 6.9 10.3#

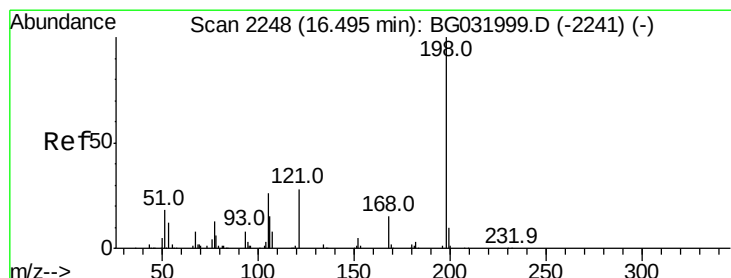
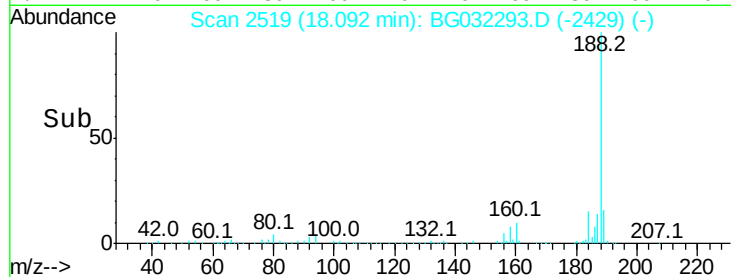
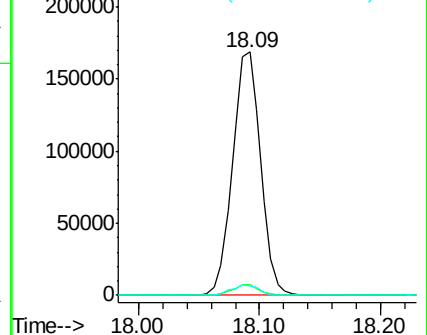
80 3.7 7.7 11.5#



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: 5.279 ng

RT: 16.83 min Scan# 2305

Delta R.T. 0.38 min

Lab File: BG032293.D

Acq: 25 Jan 2018 12:02

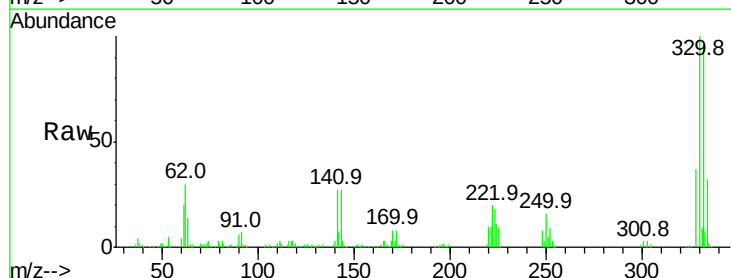
Tgt Ion:198 Resp: 766

Ion Ratio Lower Upper

198 100

51 31.5 30.6 70.6

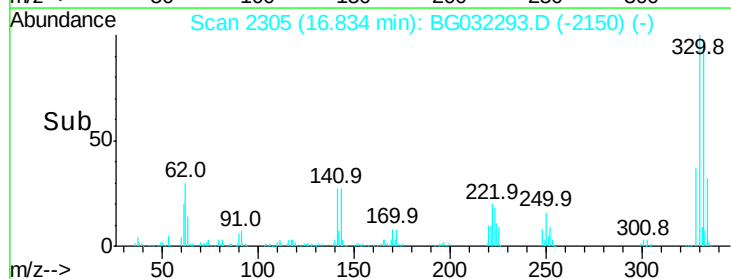
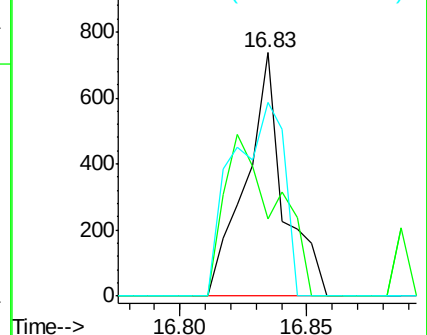
105 79.8 23.8 63.8#

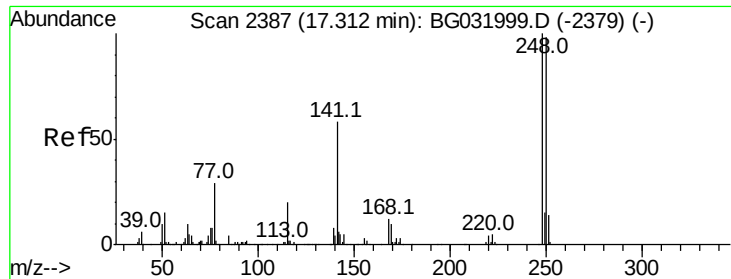


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

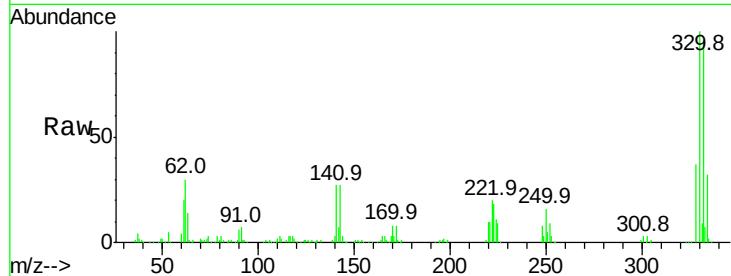




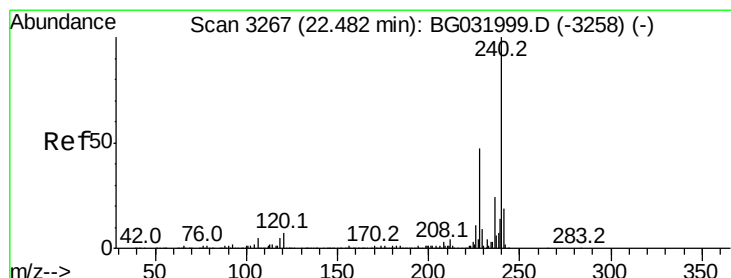
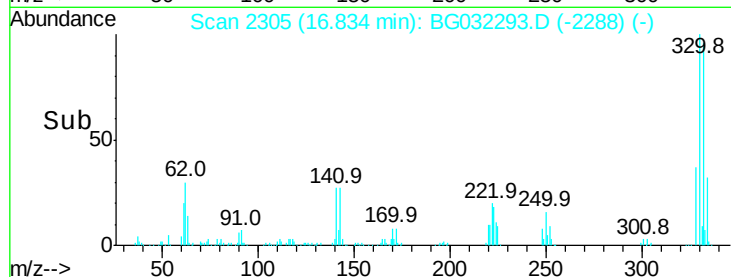
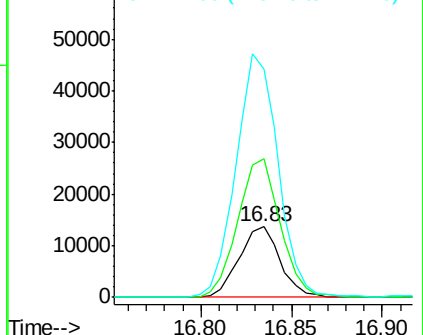
#66
4-Bromophenyl-phenylether
Concen: 5.542 ng
RT: 16.83 min Scan# 2305
Delta R.T. -0.43 min
Lab File: BG032293.D
Acq: 25 Jan 2018 12:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 21491
Ion Ratio Lower Upper
248 100
250 196.0 77.1 115.7#
141 323.2 50.8 76.2#

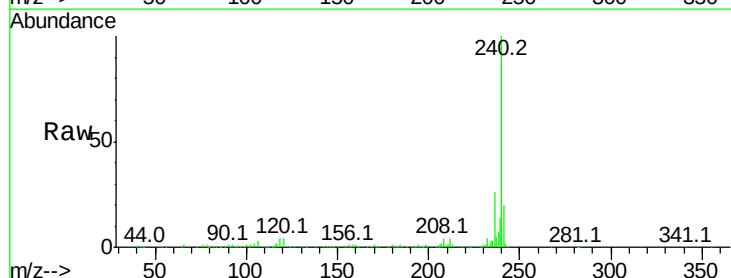


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

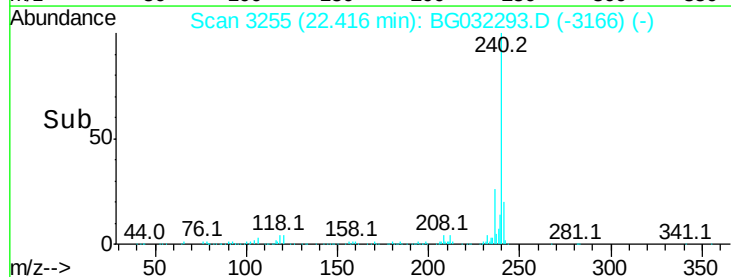
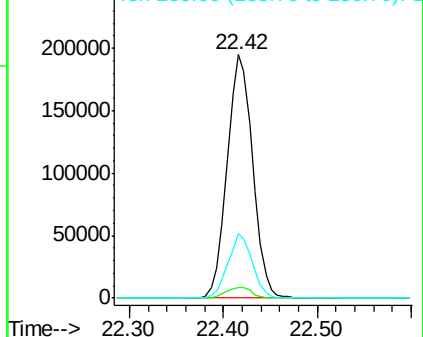


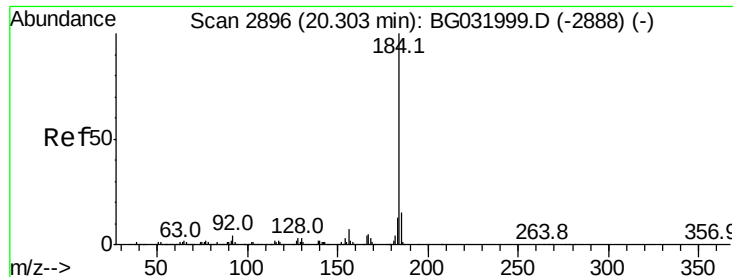
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.42 min Scan# 3255
Delta R.T. -0.01 min
Lab File: BG032293.D
Acq: 25 Jan 2018 12:02

Tgt Ion:240 Resp: 367223
Ion Ratio Lower Upper
240 100
120 4.2 6.8 10.2#
236 26.4 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

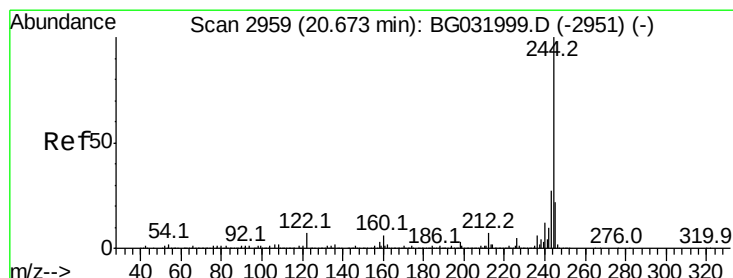
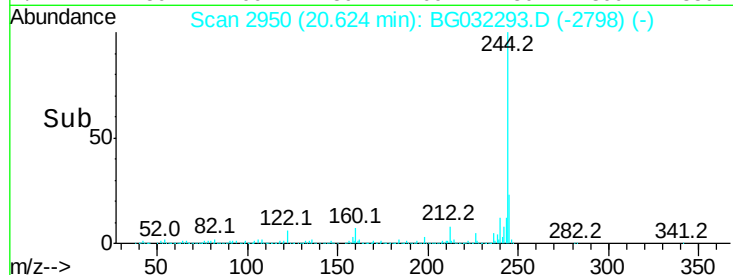
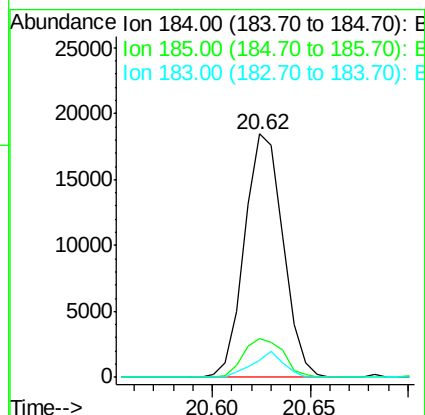
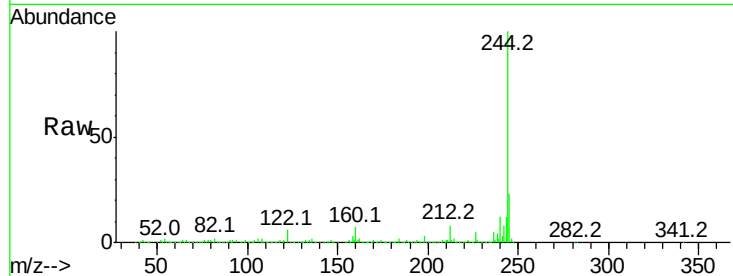




#76
Benzidine
Concen: 2.748 ng
RT: 20.62 min Scan# 2950
Delta R.T. 0.36 min
Lab File: BG032293.D
Acq: 25 Jan 2018 12:02

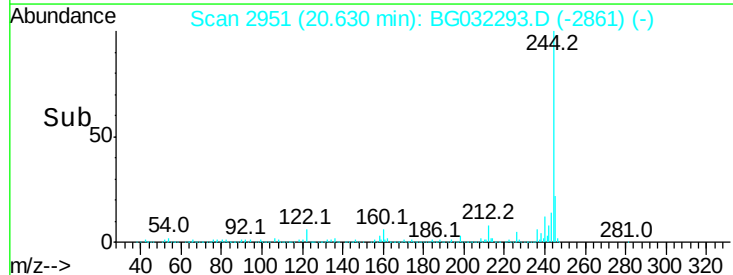
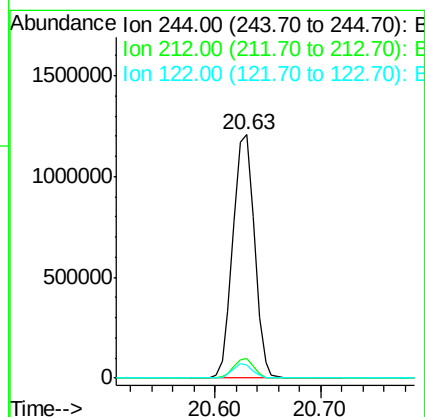
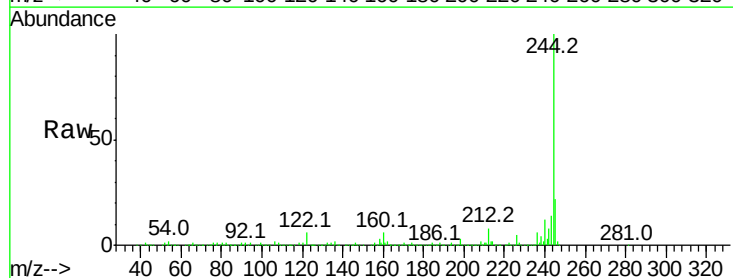
Instrument :
BNA_G
ClientSampleId :

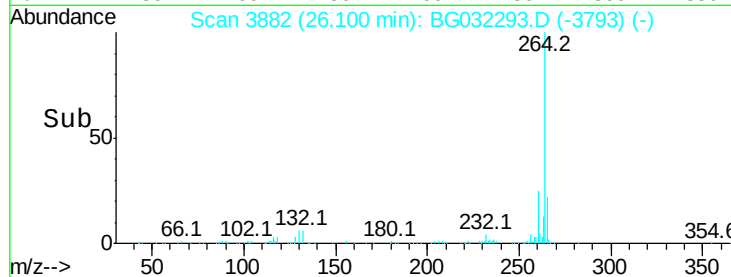
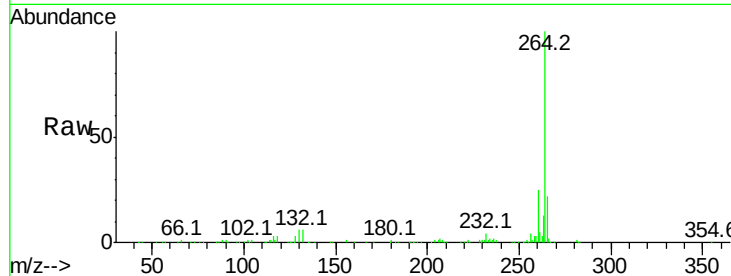
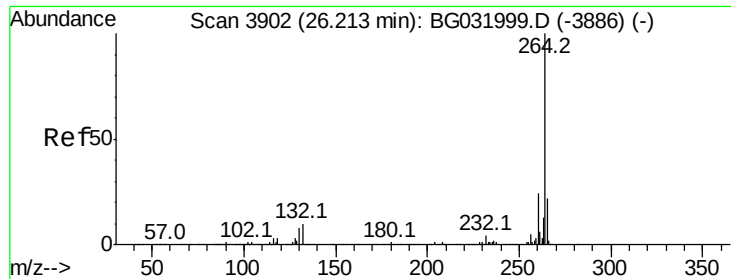
Tot Ion:184 Resp: 25231
Ion Ratio Lower Upper
184 100
185 16.0 11.1 16.7
183 7.0 10.6 16.0#



#78
Terphenyl-d14
Concen: 102.019 ng
RT: 20.63 min Scan# 2951
Delta R.T. -0.00 min
Lab File: BG032293.D
Acq: 25 Jan 2018 12:02

Tgt Ion:244 Resp: 1696685
Ion Ratio Lower Upper
244 100
212 7.9 5.8 8.8
122 5.6 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: BG032293.D
Acq: 25 Jan 2018 12:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	17.4	26.0
265	22.2	17.7	26.5

