

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012518\
 Data File : BG032321.D
 Acq On : 26 Jan 2018 9:09
 Operator : SJ/JU
 Sample : J1306-12
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 26 11:55:11 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	31526	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	127640	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	98624	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	282207	20.00	ng	0.00
75) Chrysene-d12	22.41	240	356213	20.00	ng	-0.01
86) Perylene-d12	26.10	264	379621	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	237340	137.69	ng	0.00
7) Phenol-d6	7.84	99	275709	127.00	ng	0.00
23) Nitrobenzene-d5	9.92	82	204575	108.43	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	277457	170.01	ng	0.00
44) 2-Fluorobiphenyl	13.98	172	754325	94.84	ng	0.00
78) Terphenyl-d14	20.63	244	1642860	101.84	ng	0.00

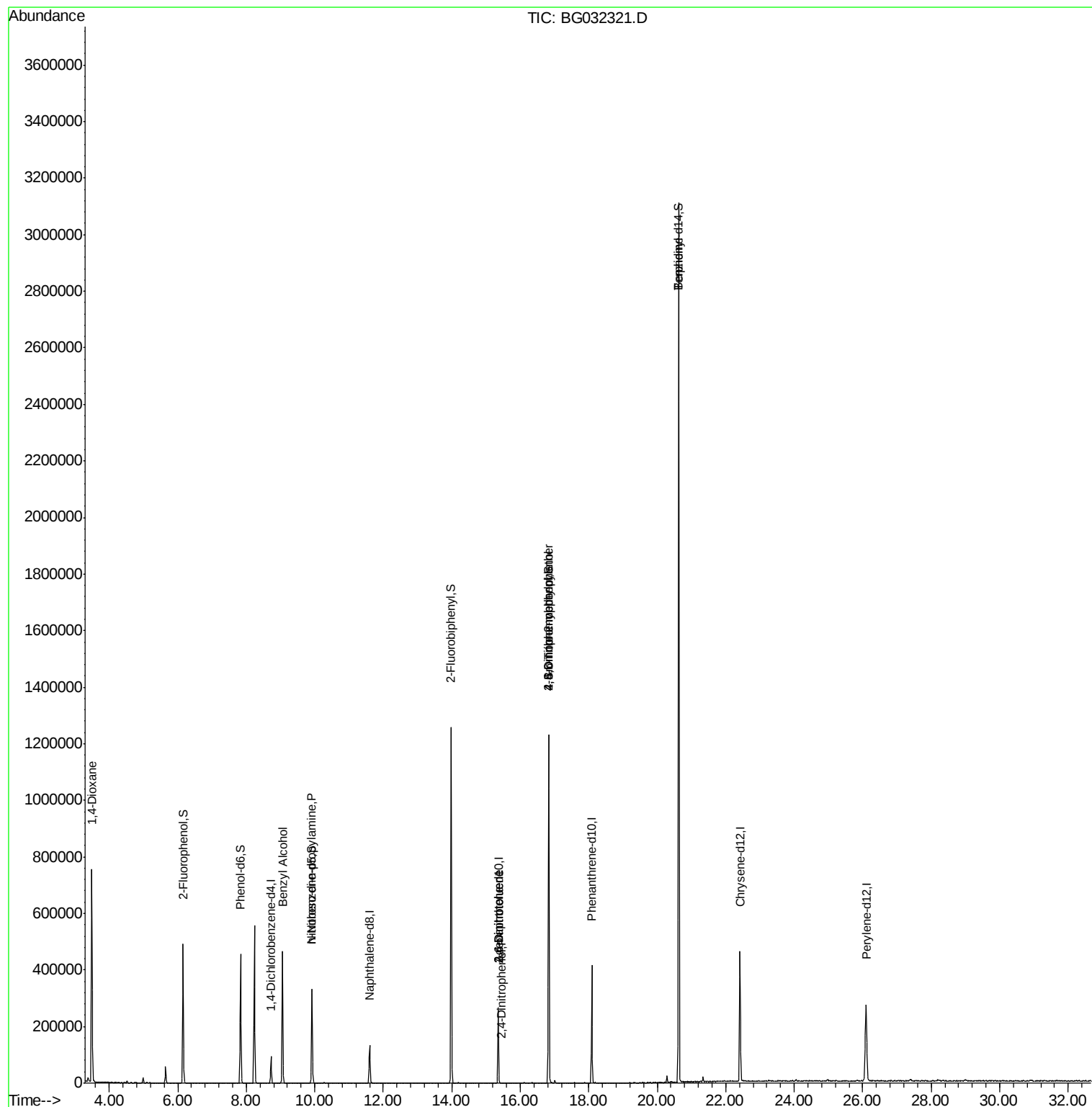
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.49	88	8058	12.168	ng	# 1
15) Benzyl Alcohol	9.05	79	3574	2.266	ng	# 38
19) n-Nitroso-di-n-propylamine	9.92	70	30614	22.728	ng	# 78
50) 2,6-Dinitrotoluene	15.36	165	12705	7.092	ng	# 18
53) 2,4-Dinitrophenol	15.44	184	63	7.028	ng	# 1
56) 2,4-Dinitrotoluene	15.36	165	12705	5.268	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.84	198	726	5.245	ng	# 33
66) 4-Bromophenyl-phenylether	16.83	248	23250	5.790	ng	# 1
76) Benzidine	20.63	184	23625	2.652	ng	# 91

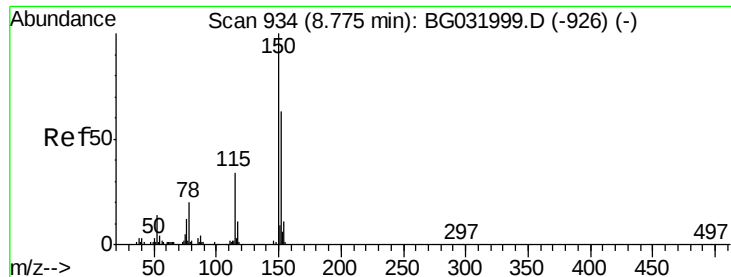
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.72 min Scan# 925

Delta R.T. -0.00 min

Lab File: BG032321.D

Acq: 26 Jan 2018 9:09

Instrument :

BNA_G

ClientSampled :

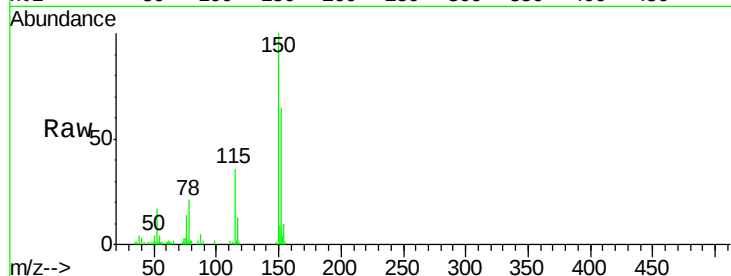
Tot Ion:152 Resp: 31526

Ion Ratio Lower Upper

152 100

150 154.7 126.6 189.8

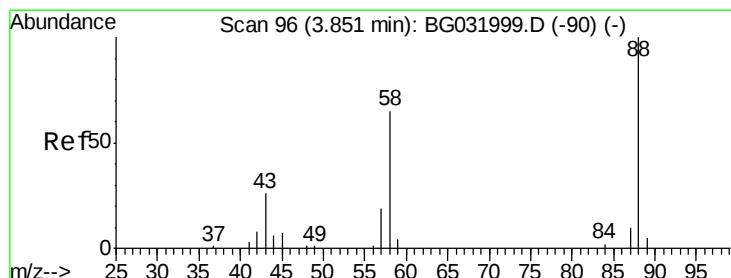
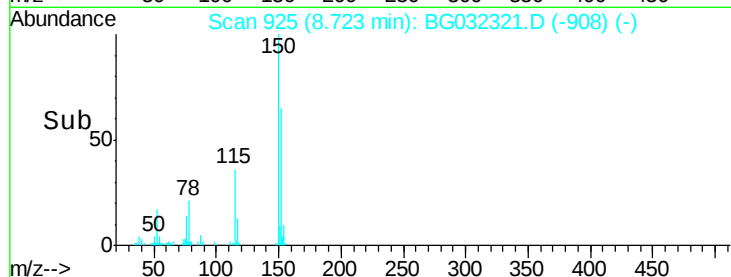
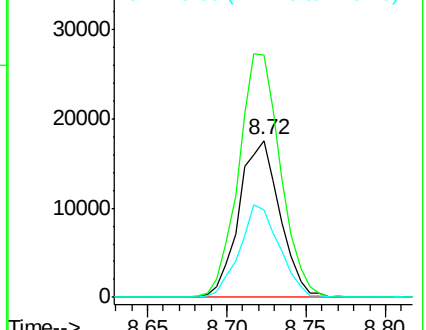
115 55.4 53.0 79.4



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: 12.168 ng

RT: 3.49 min Scan# 34

Delta R.T. -0.34 min

Lab File: BG032321.D

Acq: 26 Jan 2018 9:09

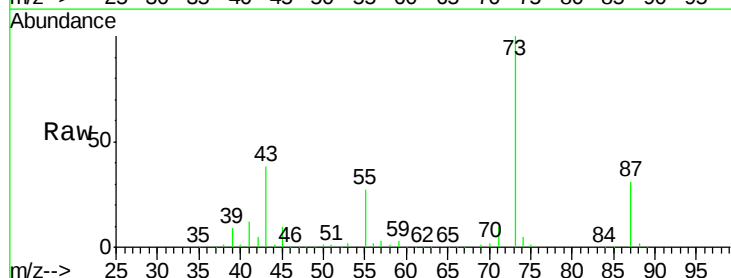
Tgt Ion: 88 Resp: 8058

Ion Ratio Lower Upper

88 100

58 40.9 79.6 119.4#

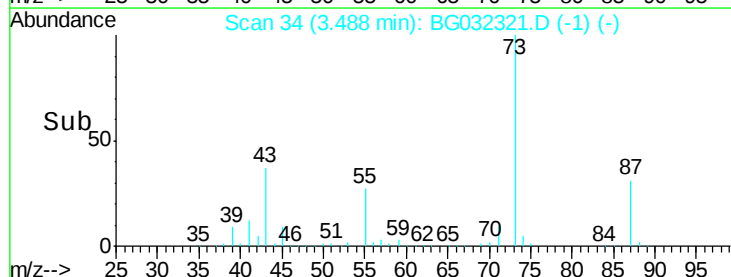
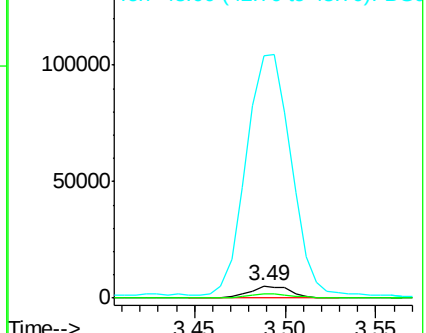
43 2219.2 27.4 41.0#

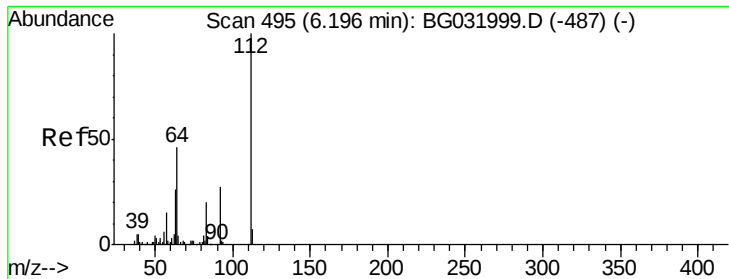


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 137.689 ng

RT: 6.16 min Scan# 488

Delta R.T. -0.00 min

Lab File: BG032321.D

Acq: 26 Jan 2018 9:09

Instrument :

BNA_G

ClientSampleId :

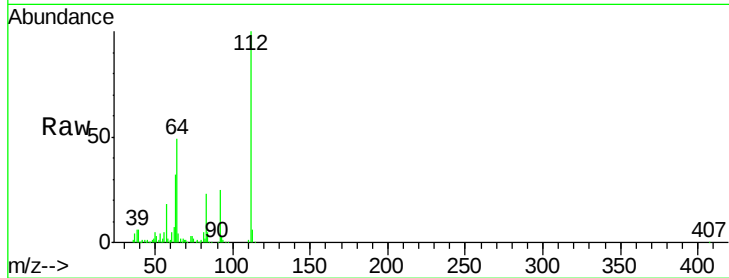
Tot Ion:112 Resp: 237340

Ion Ratio Lower Upper

112 100

64 49.2 56.3 84.5#

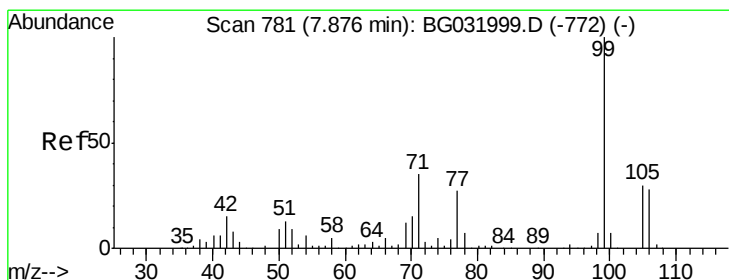
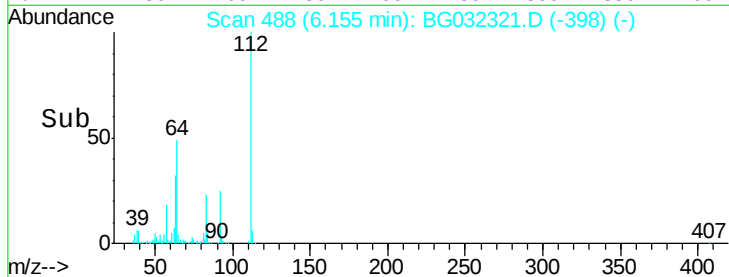
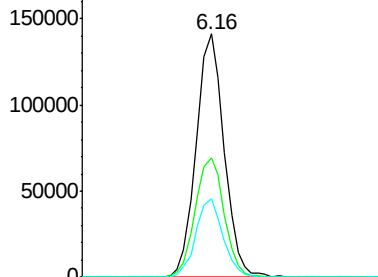
63 32.1 30.1 45.1



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: 127.000 ng

RT: 7.84 min Scan# 774

Delta R.T. -0.00 min

Lab File: BG032321.D

Acq: 26 Jan 2018 9:09

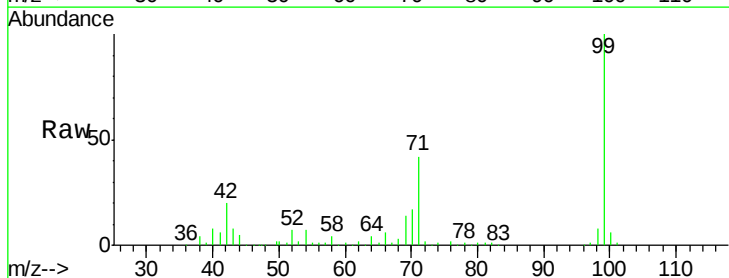
Tgt Ion: 99 Resp: 275709

Ion Ratio Lower Upper

99 100

42 19.6 14.1 21.1

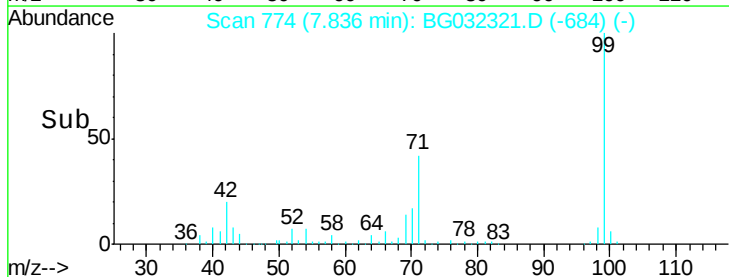
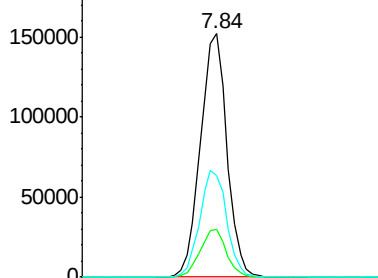
71 41.9 26.1 39.1#

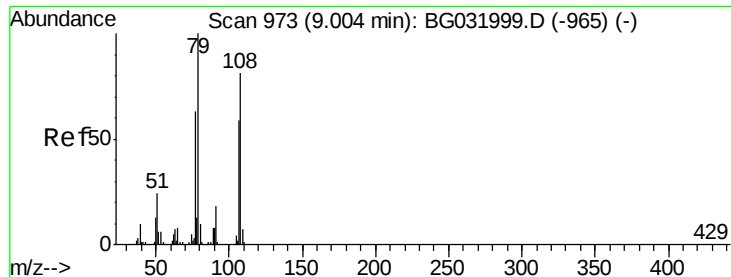


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.266 ng

RT: 9.05 min Scan# 981

Delta R.T. 0.09 min

Lab File: BG032321.D

Acq: 26 Jan 2018 9:09

Instrument :

BNA_G

ClientSampleId :

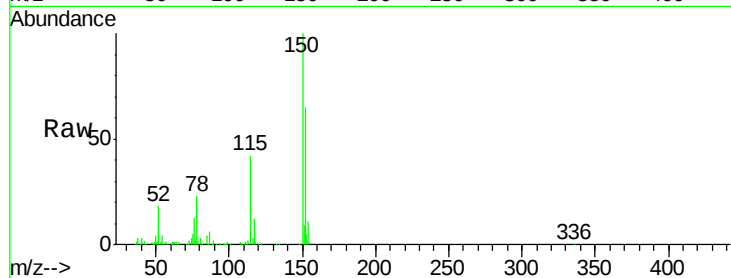
Tot Ion: 79 Resp: 3574

Ion Ratio Lower Upper

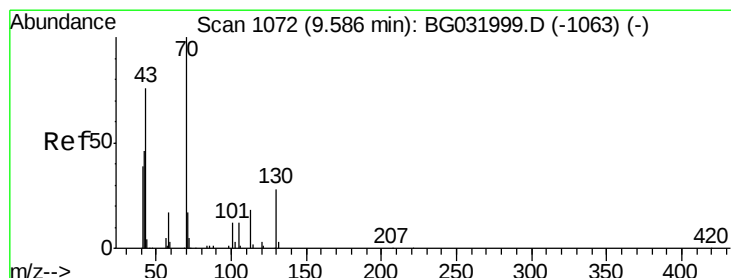
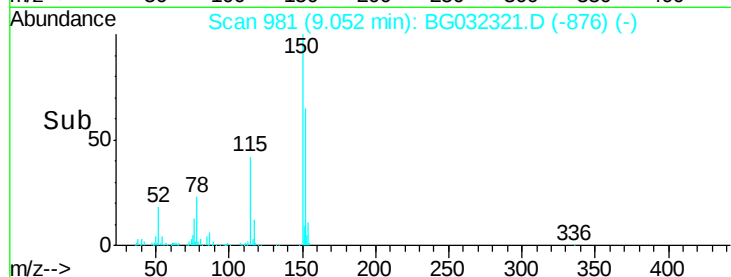
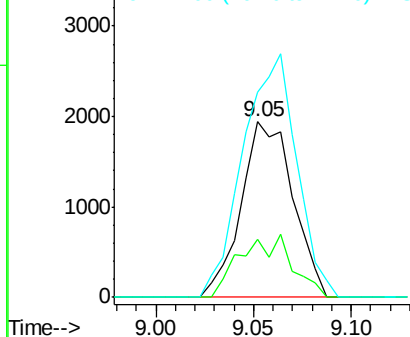
79 100

108 33.3 57.2 85.8#

77 117.4 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: 22.728 ng

RT: 9.92 min Scan# 1128

Delta R.T. 0.38 min

Lab File: BG032321.D

Acq: 26 Jan 2018 9:09

Tgt Ion: 70 Resp: 30614

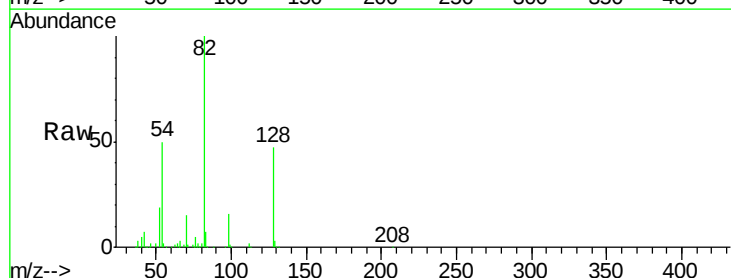
Ion Ratio Lower Upper

70 100

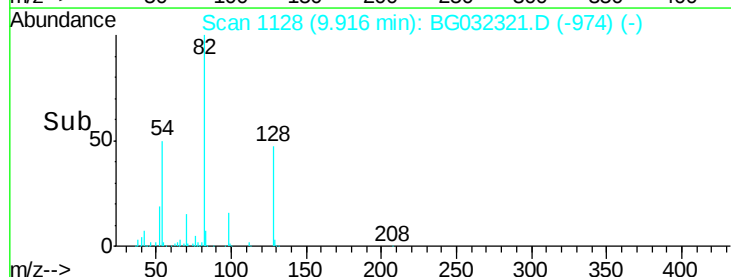
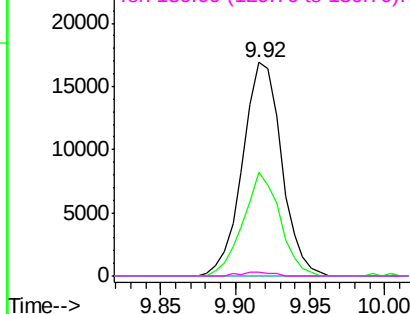
42 48.4 49.1 73.7#

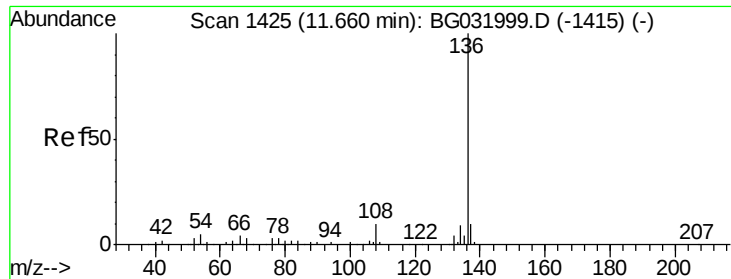
101 0.0 8.5 12.7#

130 2.0 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

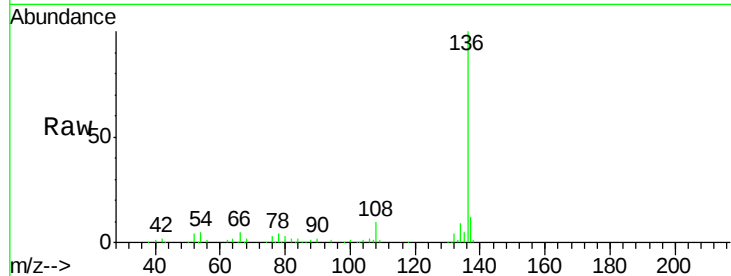




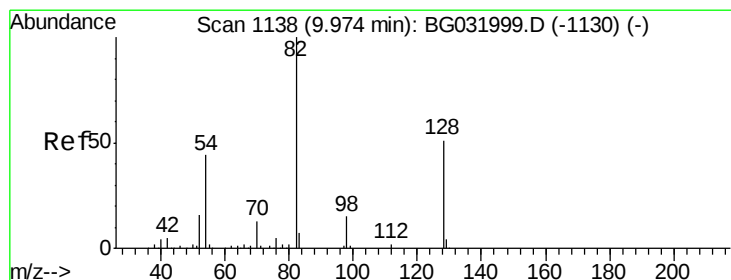
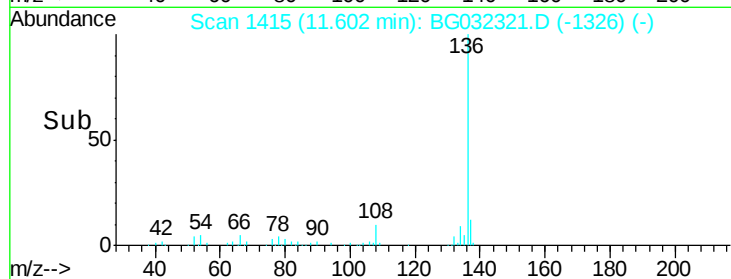
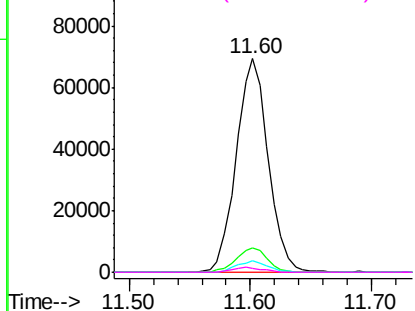
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BG032321.D
Acq: 26 Jan 2018 9:09

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	127640
Ion Ratio	Lower	Upper
136	100	
137	11.5	9.2 13.8
54	5.3	10.3 15.5#
68	2.0	4.5 6.7#

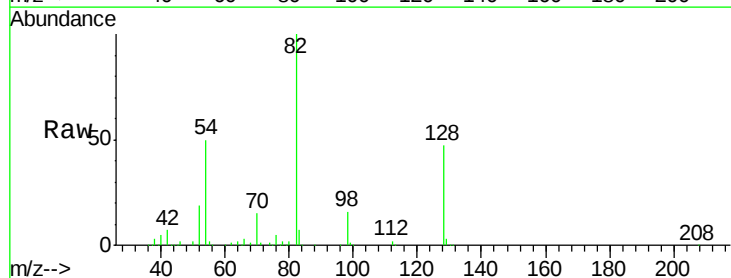


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

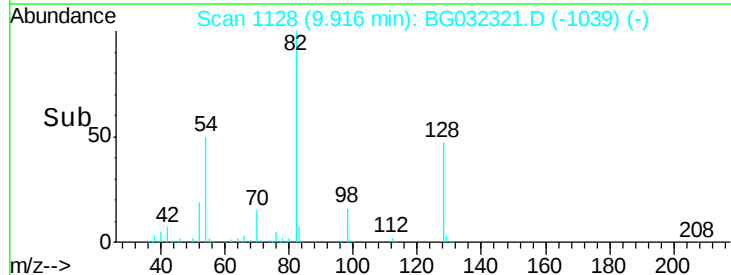
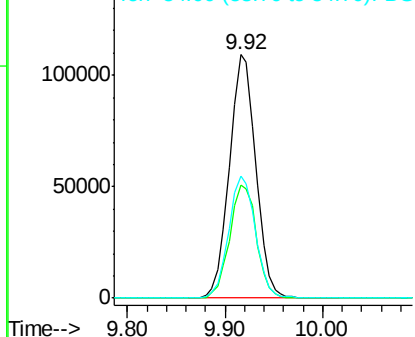


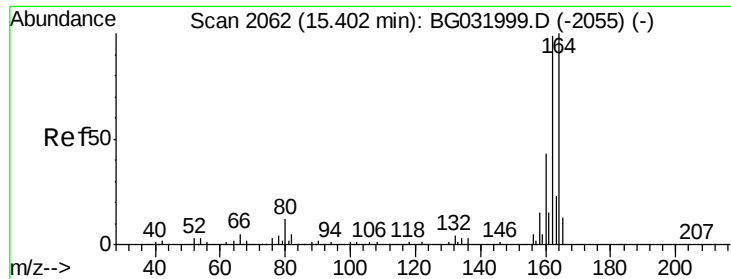
#23
Nitrobenzene-d5
Concen: 108.433 ng
RT: 9.92 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BG032321.D
Acq: 26 Jan 2018 9:09

Tgt Ion: 82	Resp:	204575
Ion Ratio	Lower	Upper
82	100	
128	46.6	29.7 44.5#
54	50.3	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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.36 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BG032321.D

Acq: 26 Jan 2018 9:09

Instrument :

BNA_G

ClientSampleId :

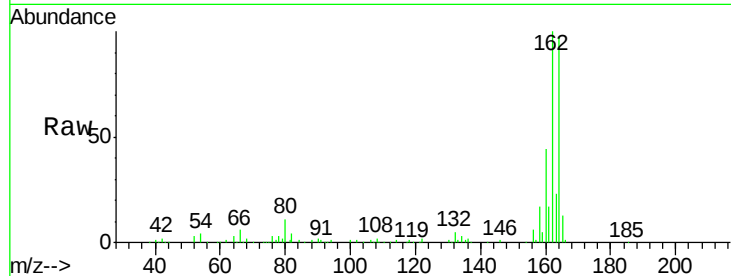
Tot Ion:164 Resp: 98624

Ion Ratio Lower Upper

164 100

162 102.6 78.8 118.2

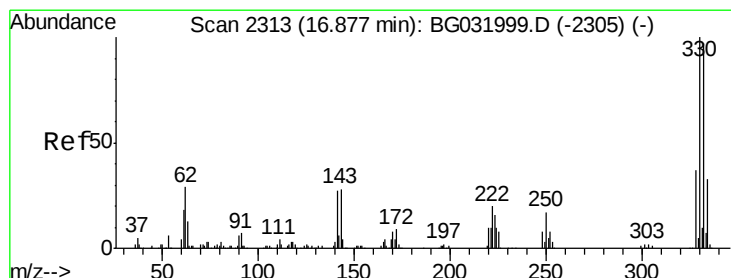
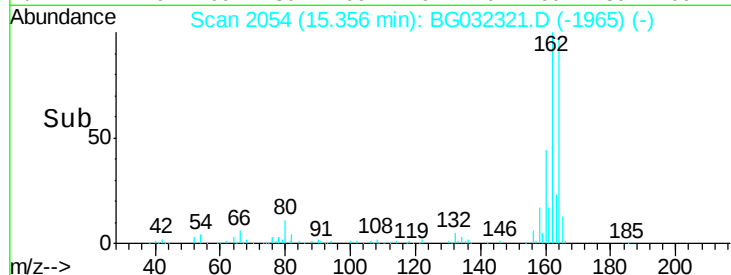
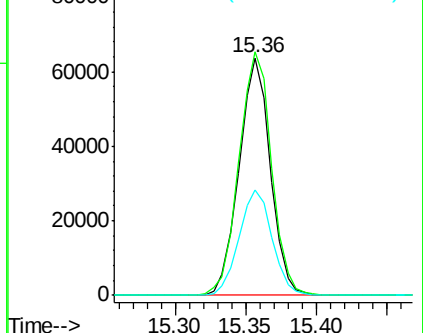
160 44.6 35.4 53.0



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: 170.011 ng

RT: 16.83 min Scan# 2305

Delta R.T. -0.01 min

Lab File: BG032321.D

Acq: 26 Jan 2018 9:09

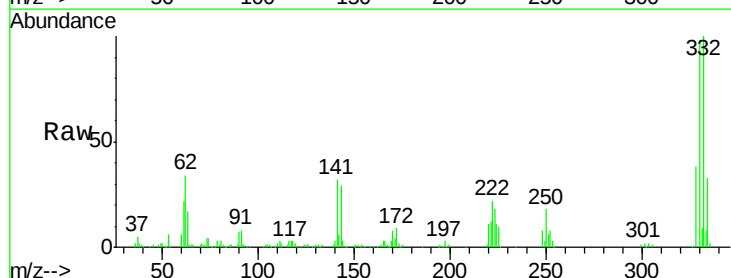
Tgt Ion:330 Resp: 277457

Ion Ratio Lower Upper

330 100

332 98.3 77.0 115.6

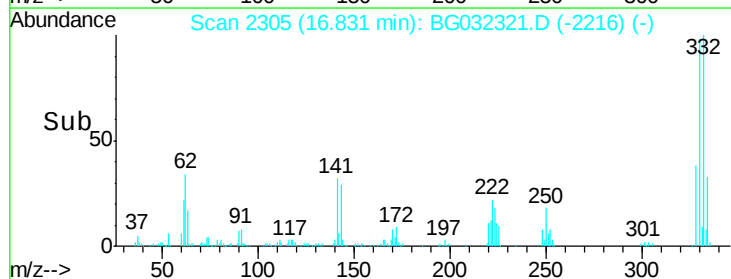
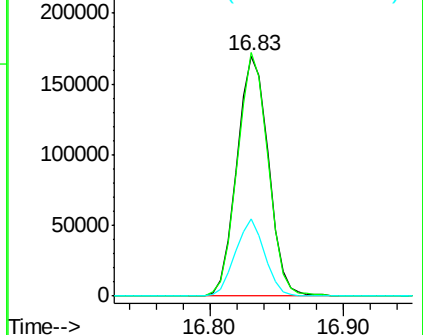
141 30.0 25.2 37.8

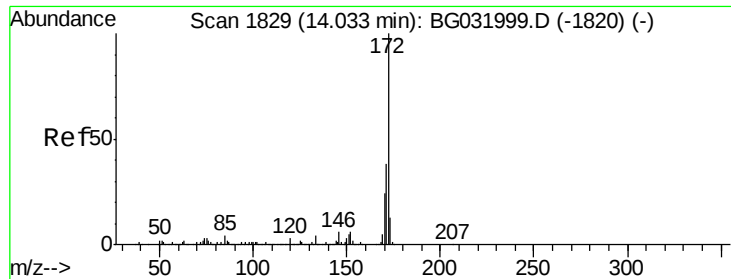


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

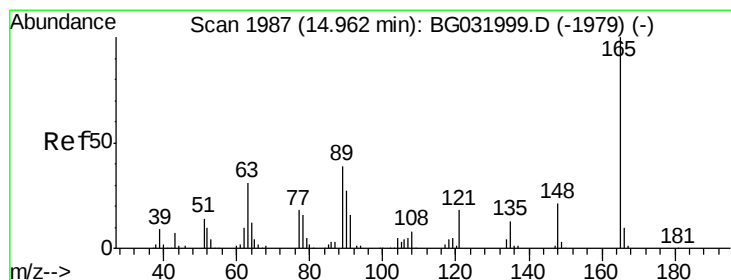
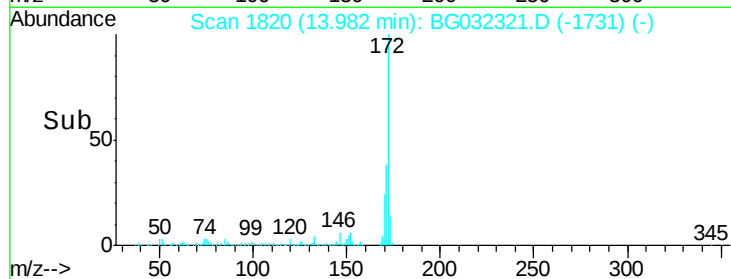
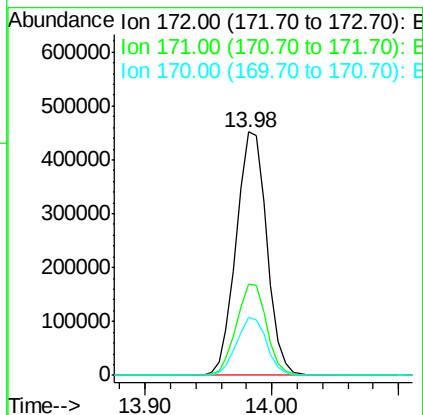
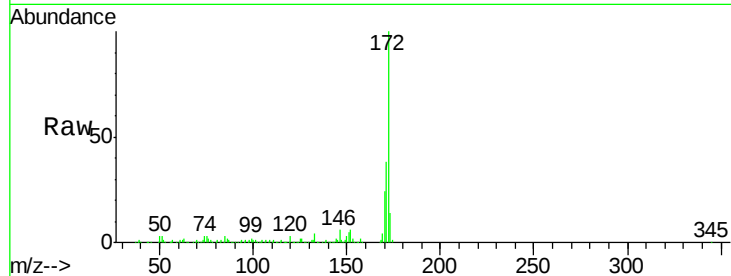




#44
2-Fluorobiphenyl
Concen: 94.838 ng
RT: 13.98 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BG032321.D
Acq: 26 Jan 2018 9:09

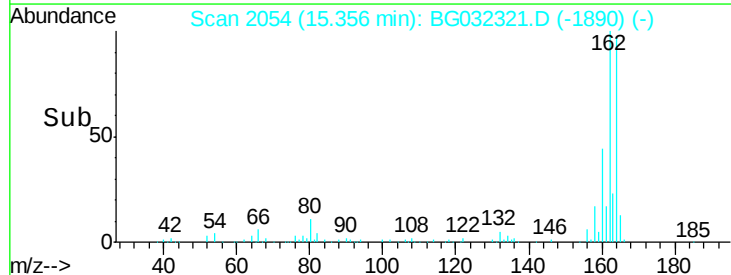
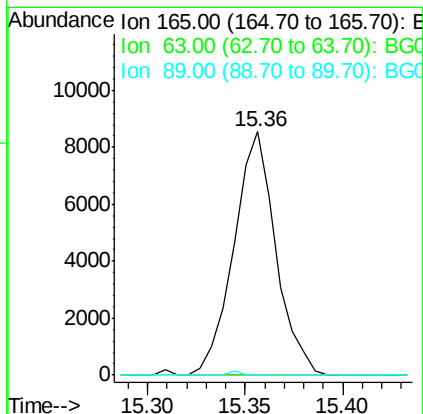
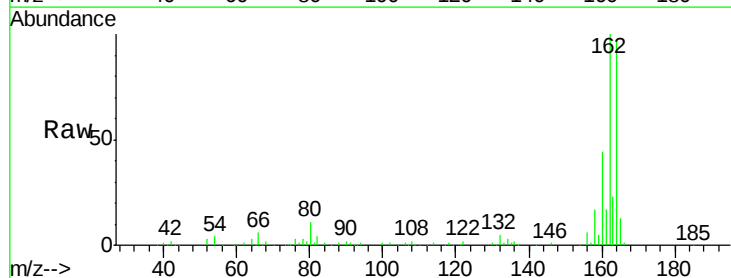
Instrument :
BNA_G
ClientSampleId :

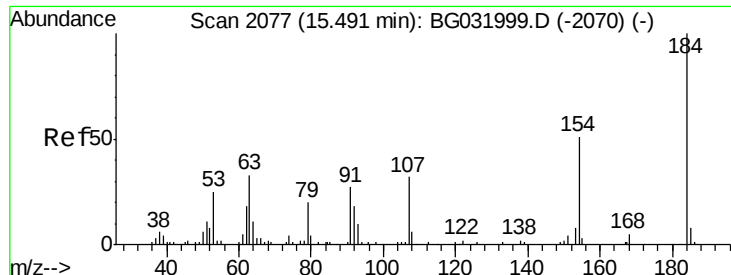
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.7	30.0	45.0
170	24.0	19.5	29.3



#50
2,6-Dinitrotoluene
Concen: 7.092 ng
RT: 15.36 min Scan# 2054
Delta R.T. 0.43 min
Lab File: BG032321.D
Acq: 26 Jan 2018 9:09

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

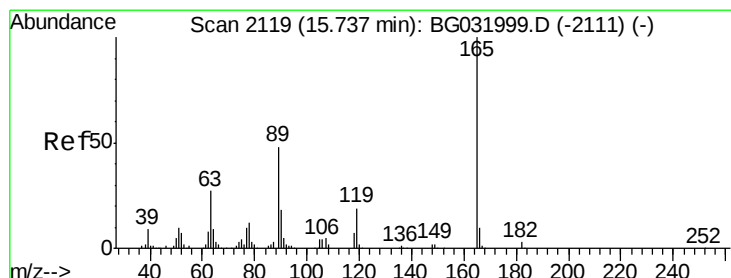
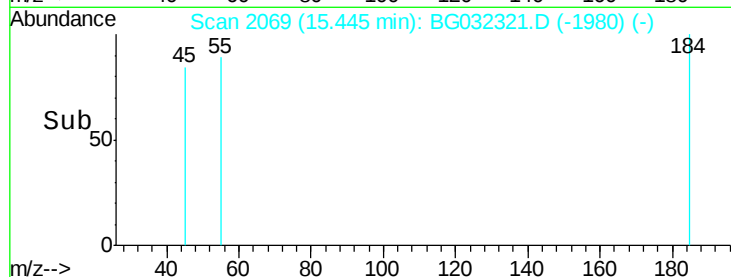
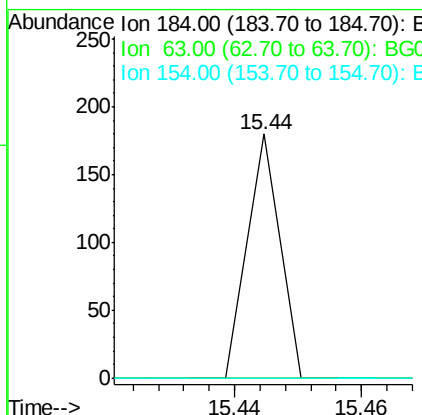
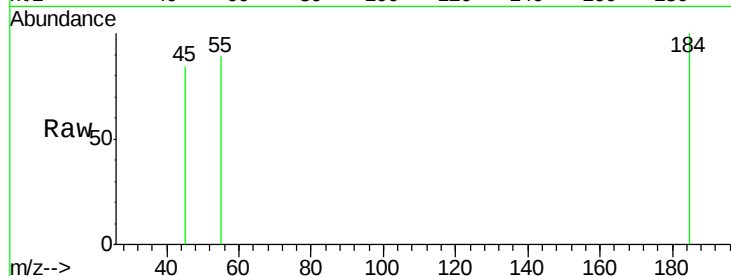




#53
 2,4-Dinitrophenol
 Concen: 7.028 ng
 RT: 15.44 min Scan# 2069
 Delta R.T. -0.01 min
 Lab File: BG032321.D
 Acq: 26 Jan 2018 9:09

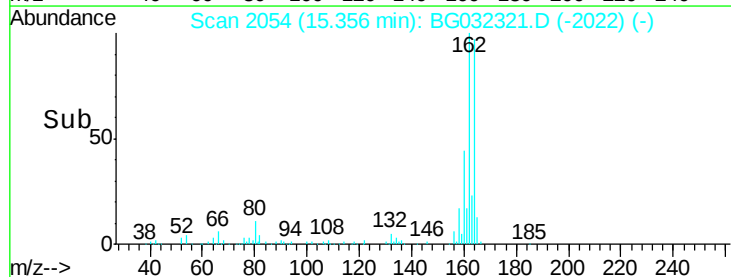
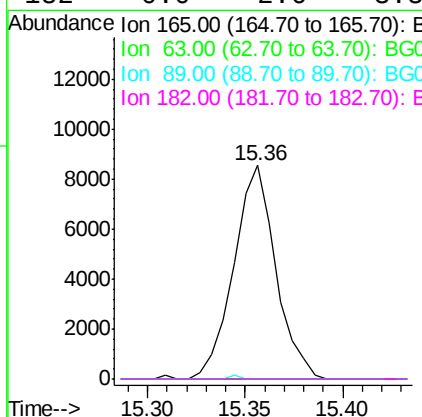
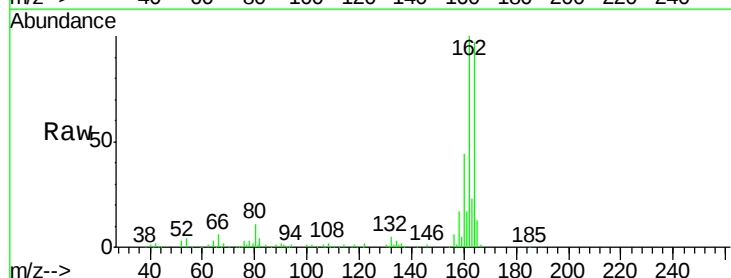
Instrument :
 BNA_G
 ClientSampled :

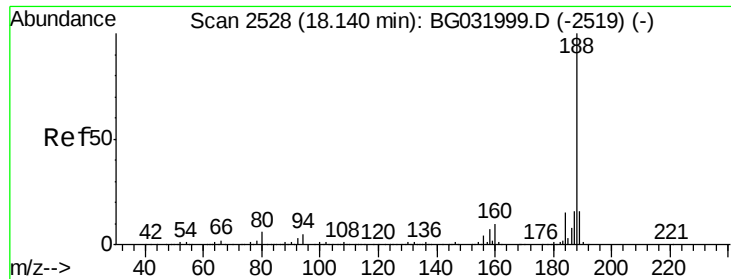
Tot Ion:184 Resp: 63
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.268 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. -0.34 min
 Lab File: BG032321.D
 Acq: 26 Jan 2018 9:09

Tgt Ion:165 Resp: 12705
 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#

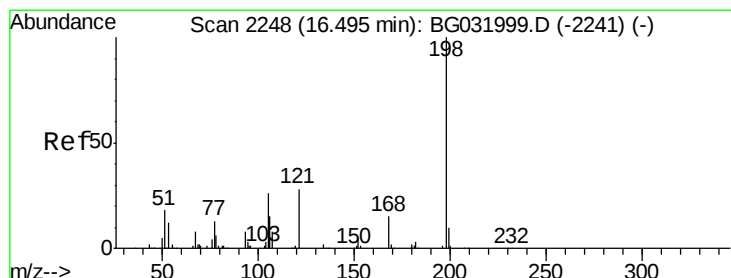
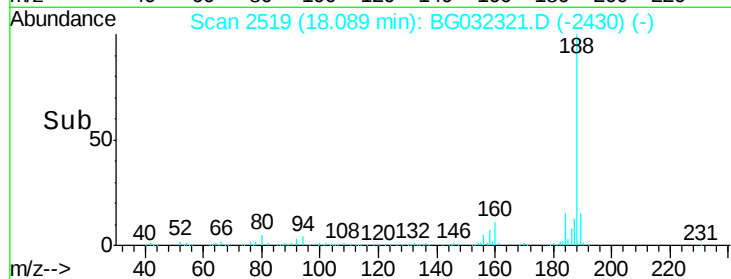
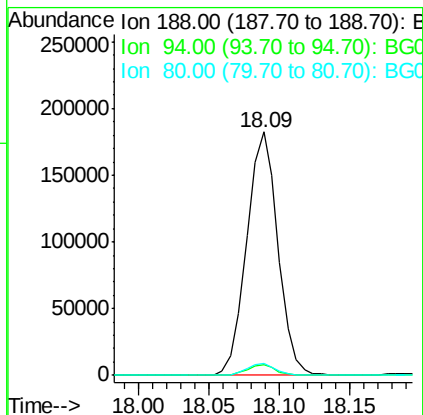
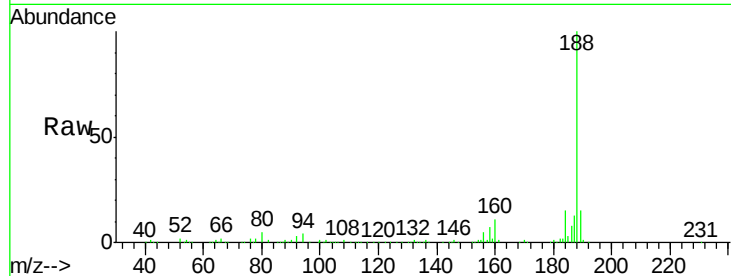




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.09 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BG032321.D
 Acq: 26 Jan 2018 9:09

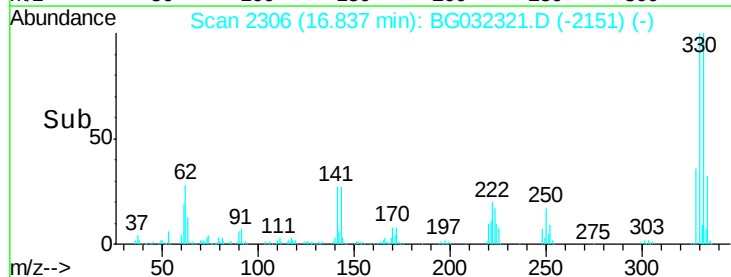
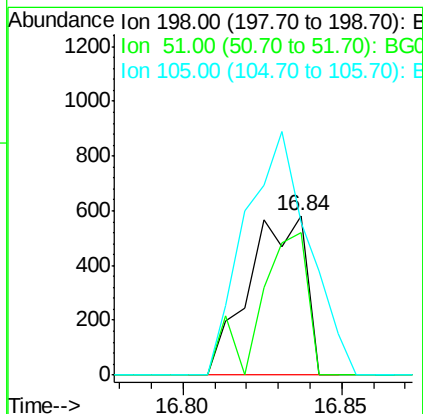
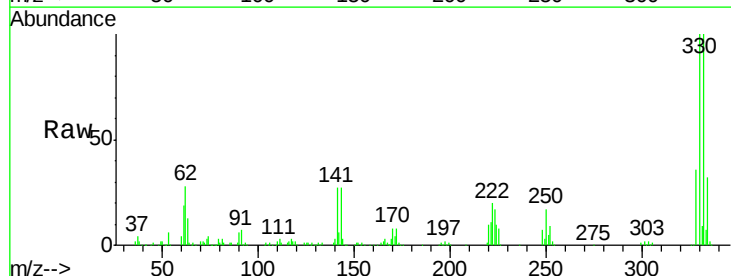
Instrument :
 BNA_G
 ClientSampleId :

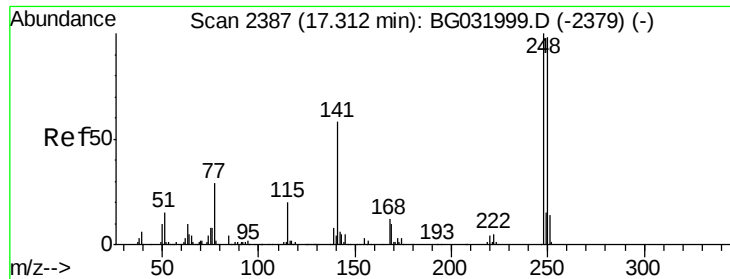
Tot Ion:188 Resp: 282207
 Ion Ratio Lower Upper
 188 100
 94 4.2 6.9 10.3#
 80 4.9 7.7 11.5#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.245 ng
 RT: 16.84 min Scan# 2306
 Delta R.T. 0.38 min
 Lab File: BG032321.D
 Acq: 26 Jan 2018 9:09

Tgt Ion:198 Resp: 726
 Ion Ratio Lower Upper
 198 100
 51 89.5 30.6 70.6#
 105 95.4 23.8 63.8#

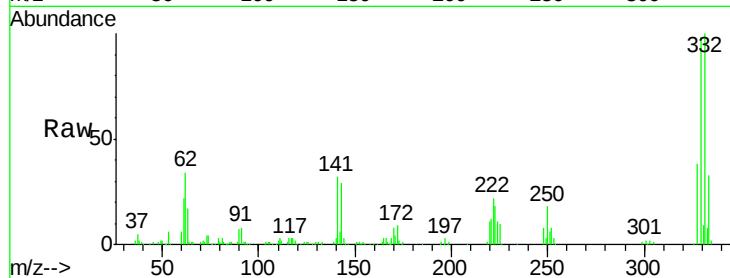




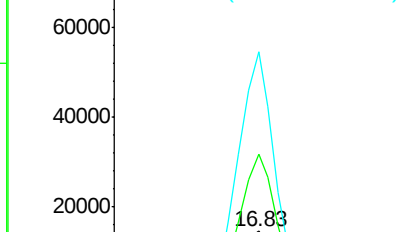
#66
4-Bromophenyl-phenylether
Concen: 5.790 ng
RT: 16.83 min Scan# 2305
Delta R.T. -0.43 min
Lab File: BG032321.D
Acq: 26 Jan 2018 9:09

Instrument :
BNA_G
ClientSampleId :

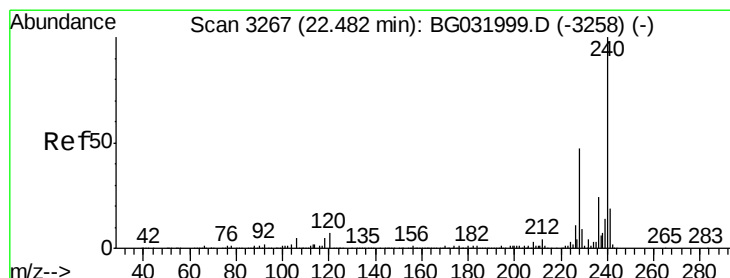
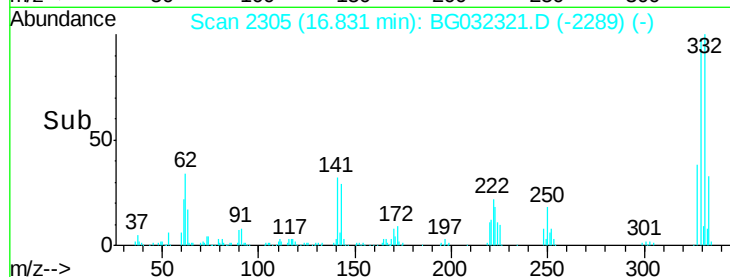
Tot Ion:248 Resp: 23250
Ion Ratio Lower Upper
248 100
250 220.1 77.1 115.7#
141 380.4 50.8 76.2#



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

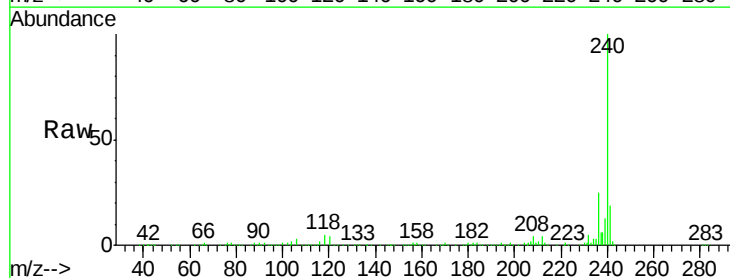


Time--> 16.75 16.80 16.85 16.90

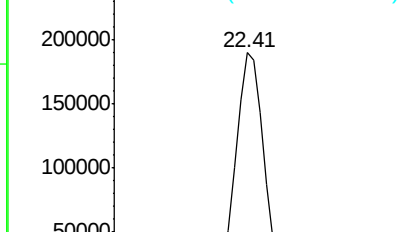


#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.41 min Scan# 3255
Delta R.T. -0.01 min
Lab File: BG032321.D
Acq: 26 Jan 2018 9:09

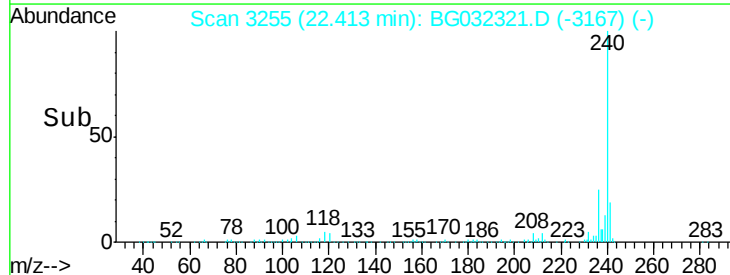
Tgt Ion:240 Resp: 356213
Ion Ratio Lower Upper
240 100
120 4.0 6.8 10.2#
236 25.1 20.9 31.3

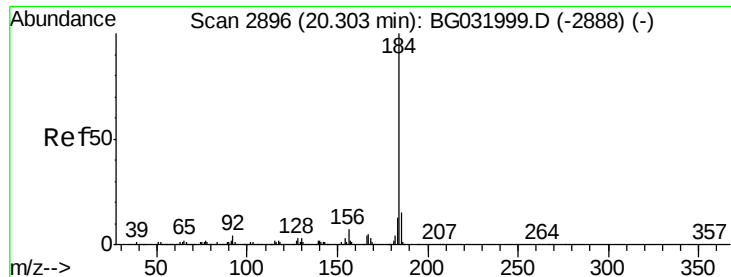


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time--> 22.30 22.40 22.50





#76

Benzidine

Concen: 2.652 ng

RT: 20.63 min Scan# 2951

Delta R.T. 0.36 min

Lab File: BG032321.D

Acq: 26 Jan 2018 9:09

Instrument :

BNA_G

ClientSampleId :

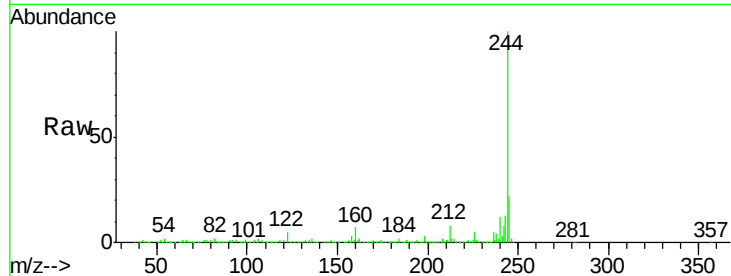
Tot Ion:184 Resp: 23625

Ion Ratio Lower Upper

184 100

185 17.3 11.1 16.7#

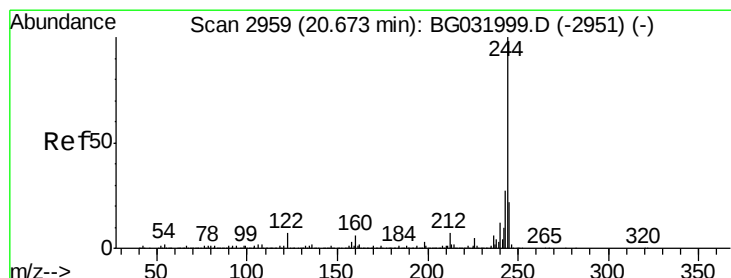
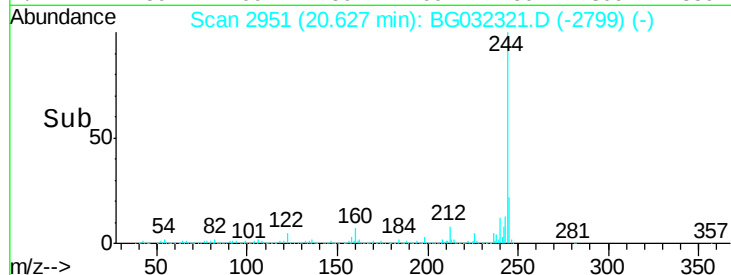
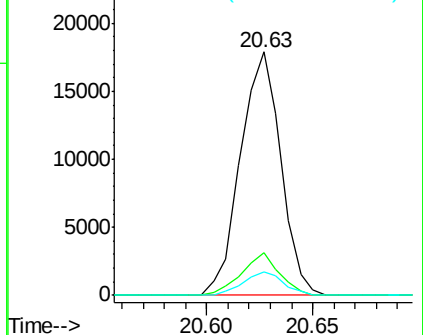
183 9.8 10.6 16.0#



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: 101.835 ng

RT: 20.63 min Scan# 2951

Delta R.T. -0.01 min

Lab File: BG032321.D

Acq: 26 Jan 2018 9:09

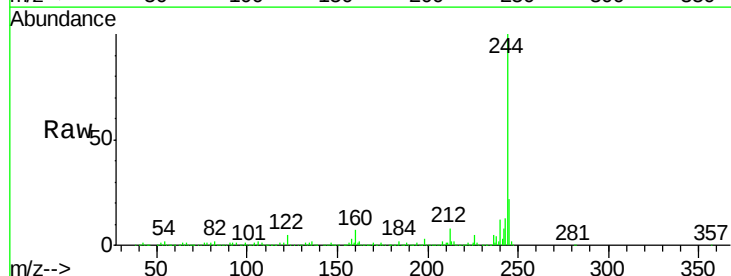
Tgt Ion:244 Resp: 1642860

Ion Ratio Lower Upper

244 100

212 7.9 5.8 8.8

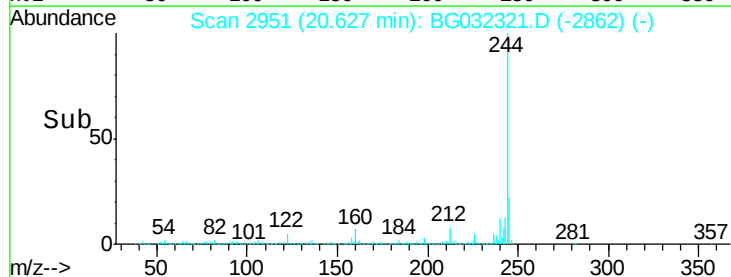
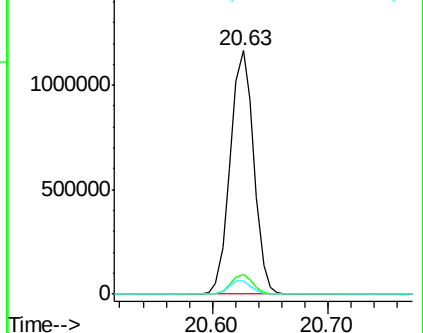
122 5.4 7.0 10.4#

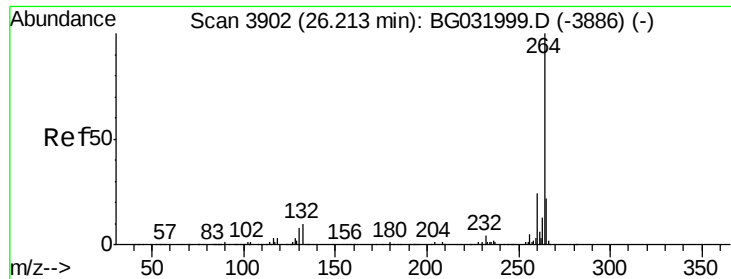


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

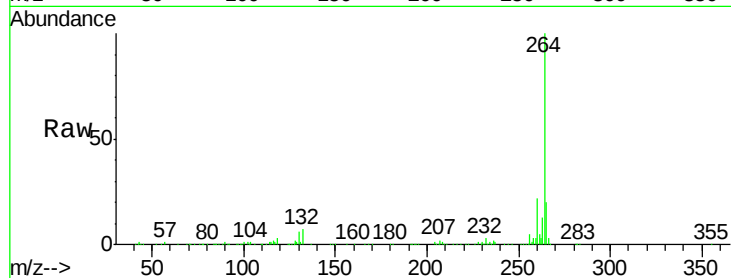




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.10 min Scan# 3882
Delta R.T. -0.01 min
Lab File: BG032321.D
Acq: 26 Jan 2018 9:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.1	17.4	26.0
265	20.0	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

