

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012518\
 Data File : BG032319.D
 Acq On : 26 Jan 2018 7:54
 Operator : SJ/JU
 Sample : J1307-08
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 26 11:54:20 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 24 14:02:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.72	152	32853	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	129981	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	97462	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	284812	20.00	ng	0.00
75) Chrysene-d12	22.41	240	357385	20.00	ng	-0.01
86) Perylene-d12	26.10	264	354155	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	6.16	112	224869	125.19	ng	0.00
7) Phenol-d6	7.84	99	256069	113.19	ng	0.00
23) Nitrobenzene-d5	9.92	82	201614	104.94	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	273787	169.76	ng	0.00
44) 2-Fluorobiphenyl	13.98	172	722030	91.86	ng	0.00
78) Terphenyl-d14	20.63	244	1587972	98.11	ng	0.00

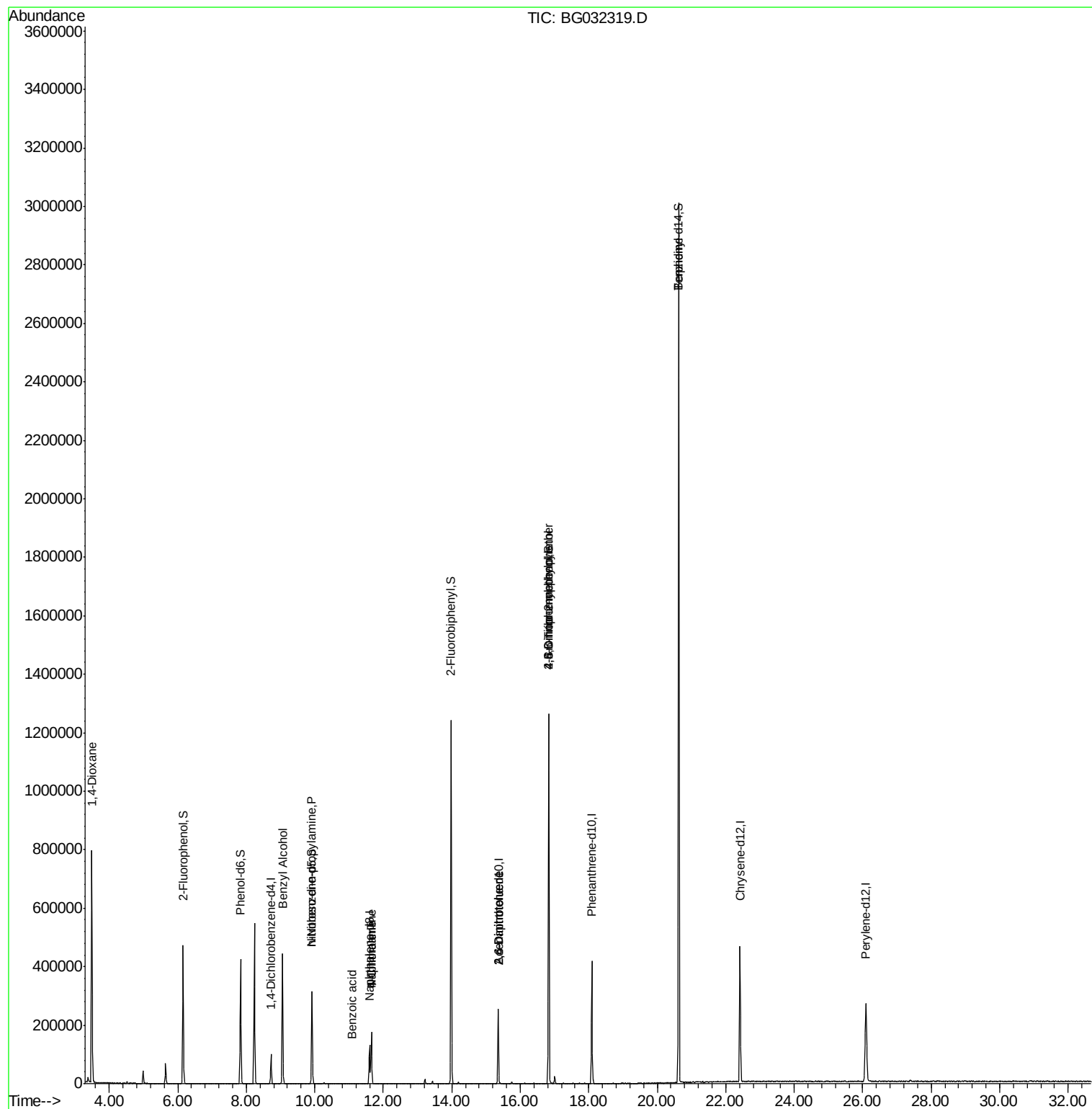
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.49	88	8701	12.608	ng	# 1
15) Benzyl Alcohol	9.06	79	3741	2.276	ng	# 51
19) n-Nitroso-di-n-propylamine	9.92	70	27984	19.936	ng	# 73
31) Naphthalene	11.65	128	163267	25.356	ng	# 98
32) Benzoic acid	11.08	122	56	5.290	ng	# 1
33) 4-Chloroaniline	11.65	127	23265	8.426	ng	# 31
50) 2,6-Dinitrotoluene	15.36	165	12387	6.997	ng	# 18
56) 2,4-Dinitrotoluene	15.36	165	12387	5.197	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.83	198	792	5.275	ng	# 1
66) 4-Bromophenyl-phenylether	16.83	248	22403	5.528	ng	# 1
76) Benzidine	20.63	184	23032	2.577	ng	# 87

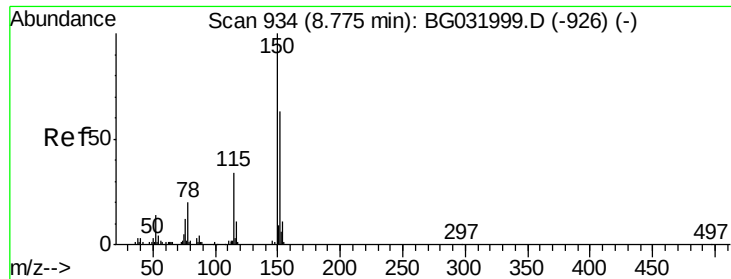
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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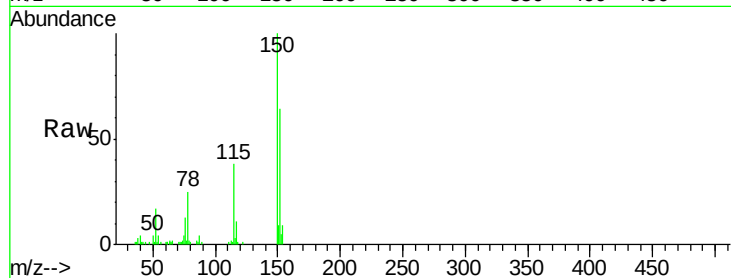


#1

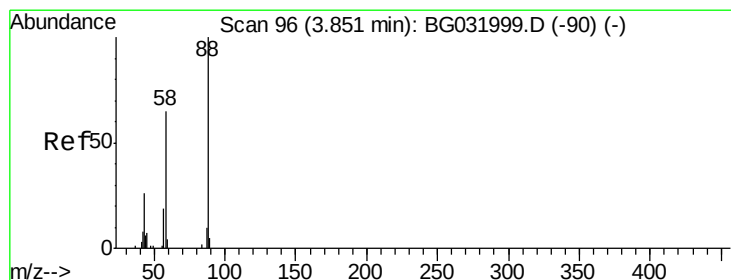
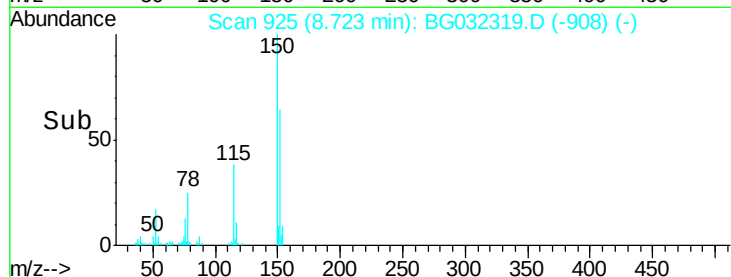
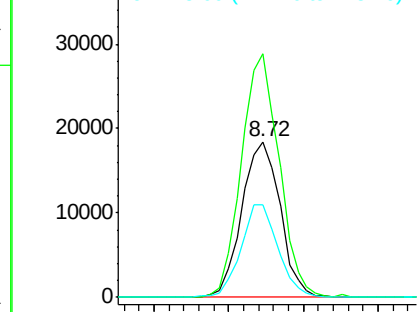
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.72 min Scan# 925
Delta R.T. -0.00 min
Lab File: BG032319.D
Acq: 26 Jan 2018 7:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	126.6	189.8
115	59.8	53.0	79.4



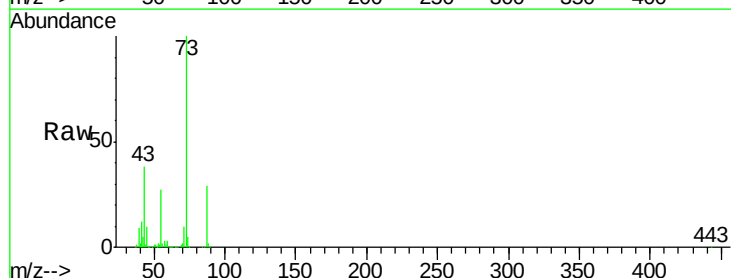
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



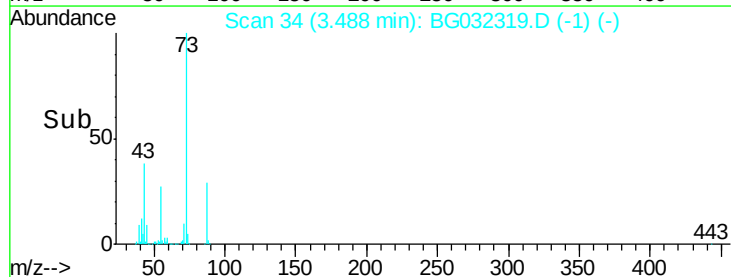
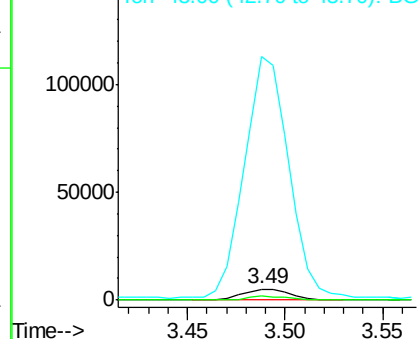
#2

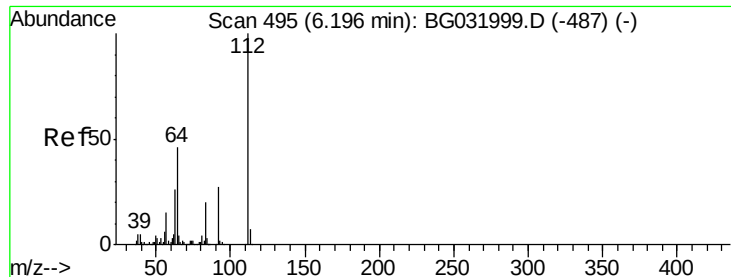
1,4-Dioxane
Concen: 12.608 ng
RT: 3.49 min Scan# 34
Delta R.T. -0.34 min
Lab File: BG032319.D
Acq: 26 Jan 2018 7:54

Tgt Ion	Ratio	Lower	Upper
88	100		
58	31.1	79.6	119.4#
43	2024.6	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: 125.185 ng

RT: 6.16 min Scan# 488

Delta R.T. -0.00 min

Lab File: BG032319.D

Acq: 26 Jan 2018 7:54

Instrument :

BNA_G

ClientSampleId :

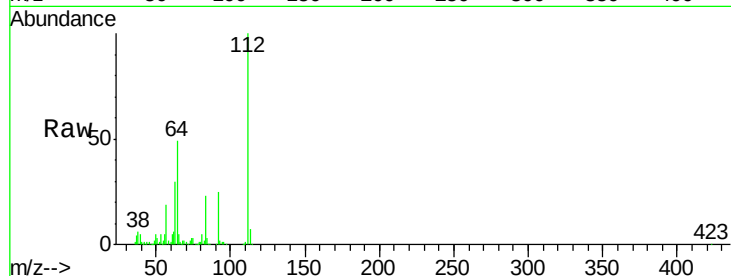
Tot Ion:112 Resp: 224869

Ion Ratio Lower Upper

112 100

64 49.2 56.3 84.5#

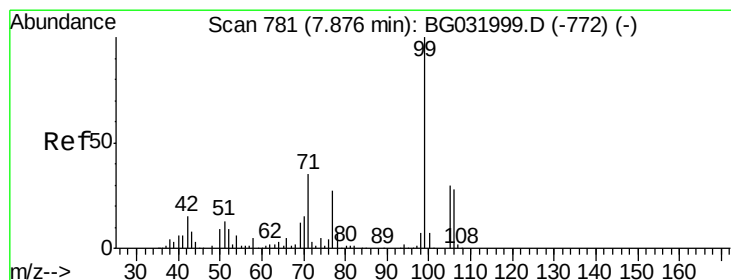
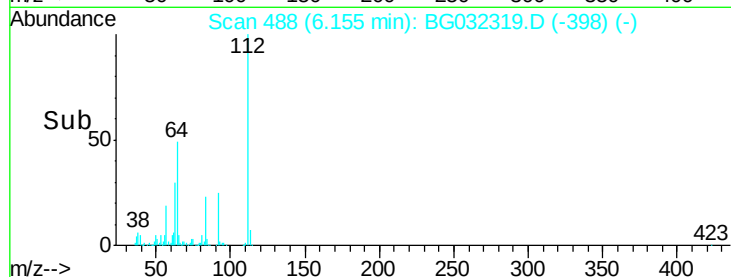
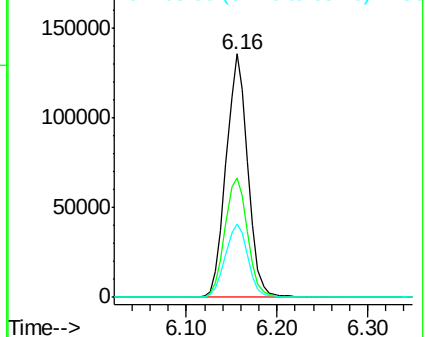
63 30.1 30.1 45.1



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: 113.189 ng

RT: 7.84 min Scan# 774

Delta R.T. -0.00 min

Lab File: BG032319.D

Acq: 26 Jan 2018 7:54

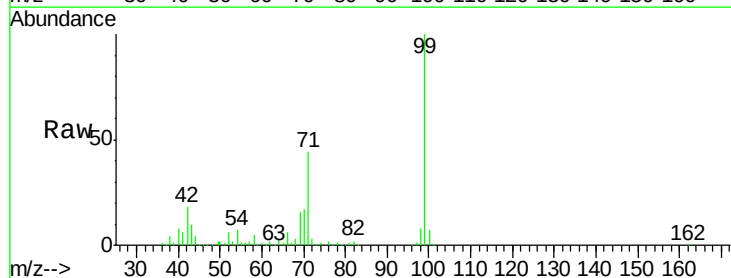
Tgt Ion: 99 Resp: 256069

Ion Ratio Lower Upper

99 100

42 18.3 14.1 21.1

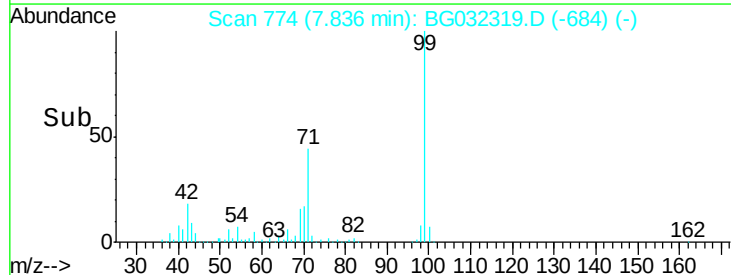
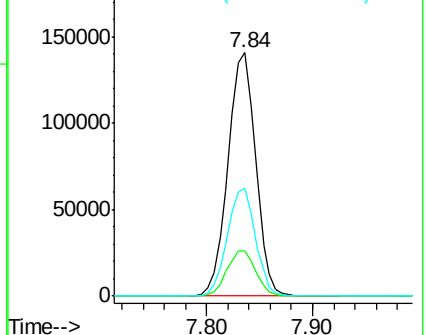
71 44.3 26.1 39.1#

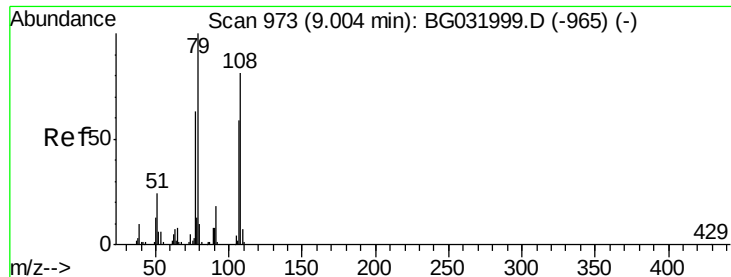


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.276 ng

RT: 9.06 min Scan# 982

Delta R.T. 0.09 min

Lab File: BG032319.D

Acq: 26 Jan 2018 7:54

Instrument :

BNA_G

ClientSampleId :

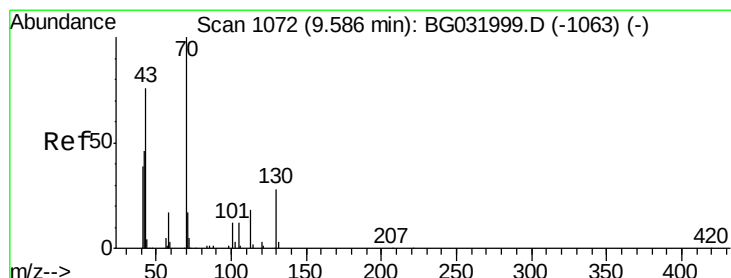
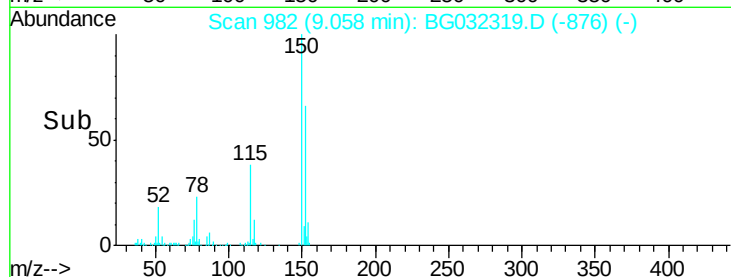
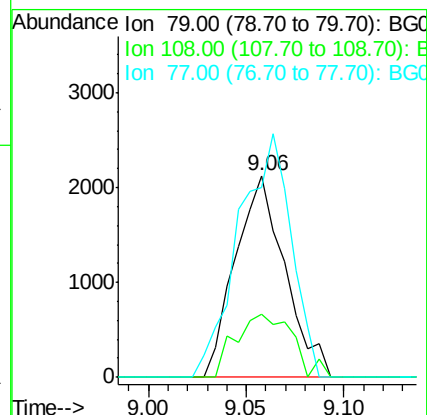
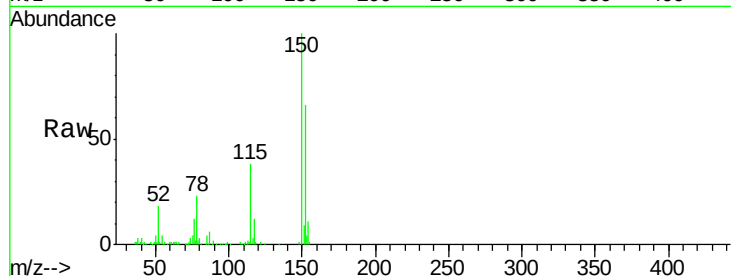
Tot Ion: 79 Resp: 3741

Ion Ratio Lower Upper

79 100

108 31.2 57.2 85.8#

77 94.1 46.1 69.1#



#19

n-Nitroso-di-n-propylamine

Concen: 19.936 ng

RT: 9.92 min Scan# 1128

Delta R.T. 0.38 min

Lab File: BG032319.D

Acq: 26 Jan 2018 7:54

Tgt Ion: 70 Resp: 27984

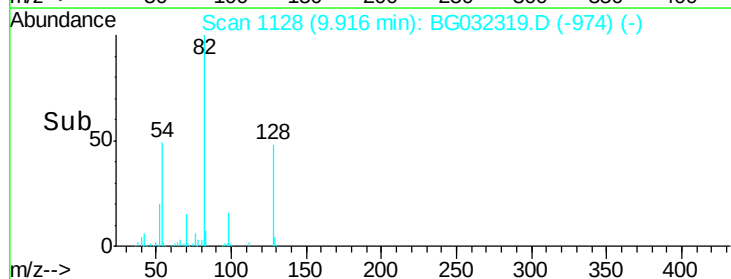
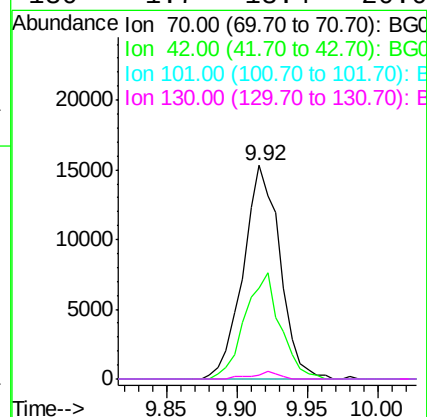
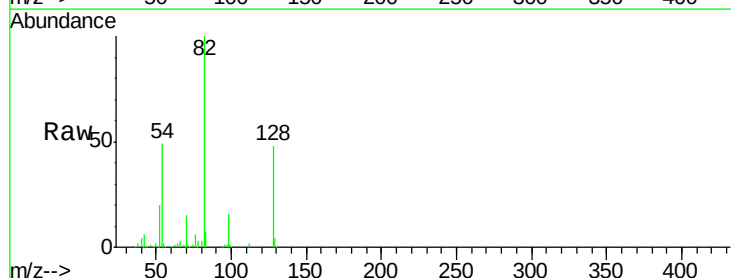
Ion Ratio Lower Upper

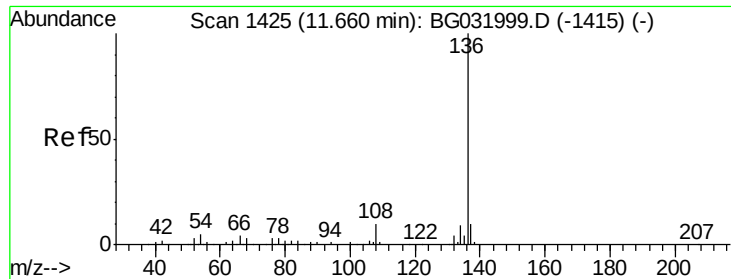
70 100

42 42.8 49.1 73.7#

101 0.0 8.5 12.7#

130 1.7 13.4 20.0#

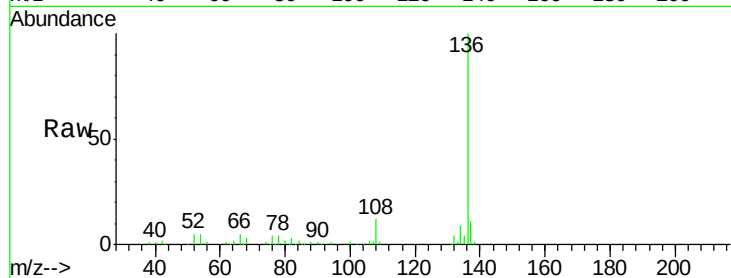




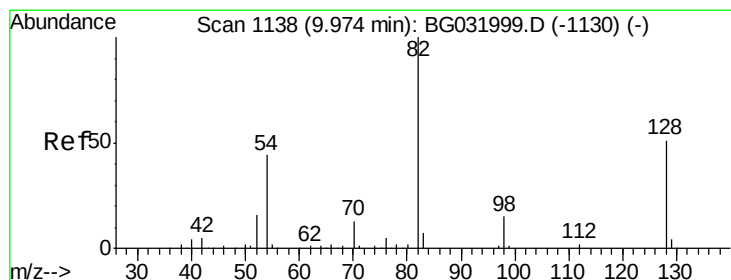
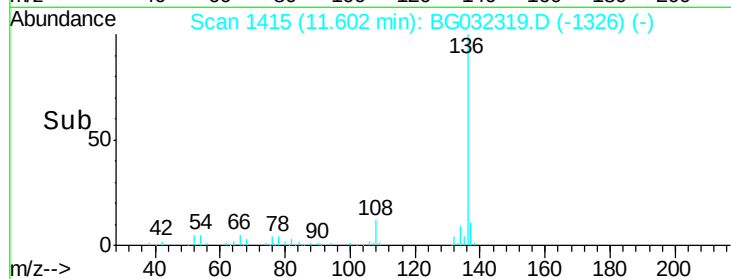
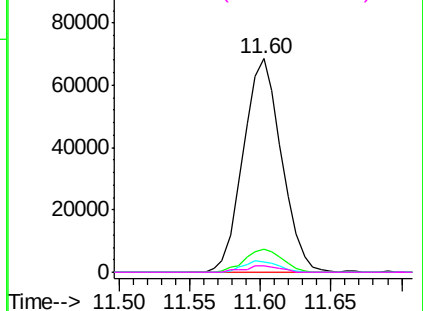
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BG032319.D
Acq: 26 Jan 2018 7:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	129981
Ion Ratio	Lower	Upper
136	100	
137	10.8	9.2 13.8
54	4.8	10.3 15.5#
68	2.9	4.5 6.7#

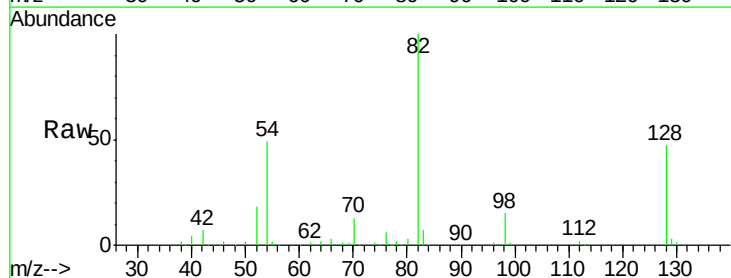


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

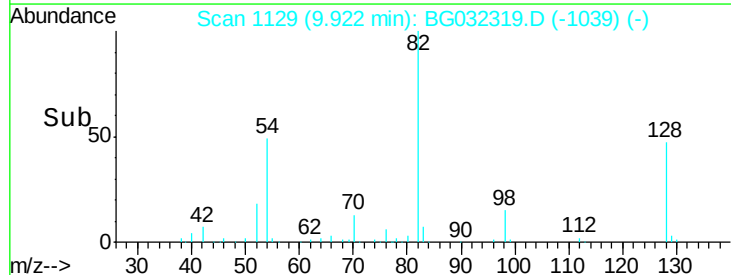
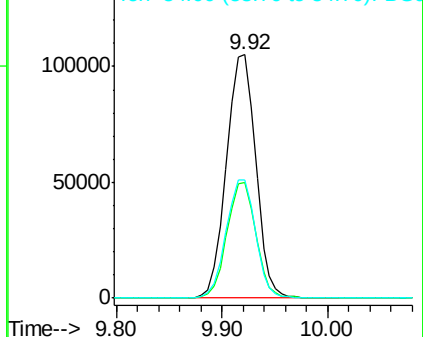


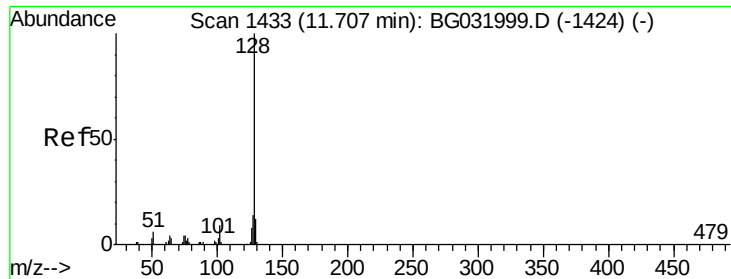
#23
Nitrobenzene-d5
Concen: 104.939 ng
RT: 9.92 min Scan# 1129
Delta R.T. -0.00 min
Lab File: BG032319.D
Acq: 26 Jan 2018 7:54

Tgt Ion: 82	Resp:	201614
Ion Ratio	Lower	Upper
82	100	
128	47.4	29.7 44.5#
54	48.7	43.1 64.7



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





#31

Naphthalene

Concen: 25.356 ng

RT: 11.65 min Scan# 1424

Delta R.T. -0.01 min

Lab File: BG032319.D

Acq: 26 Jan 2018 7:54

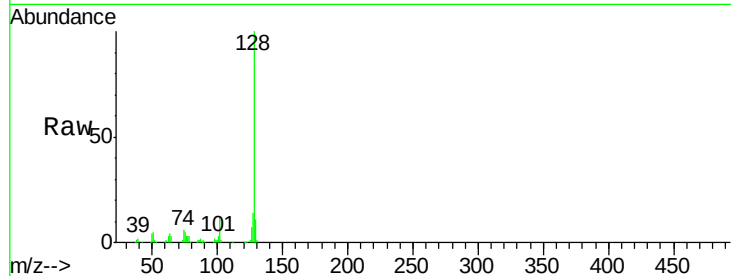
Instrument :

BNA_G

ClientSampleId :

Tot Ion:128 Resp: 163267

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.6	12.8
127	13.8	11.6	17.4

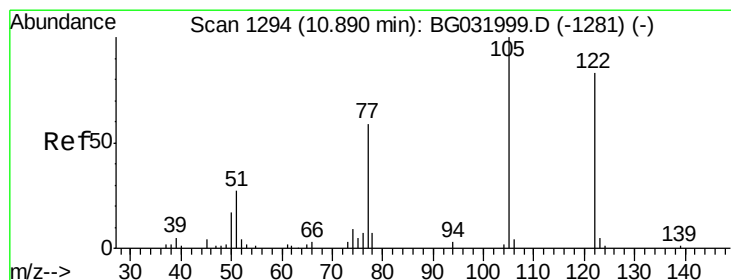
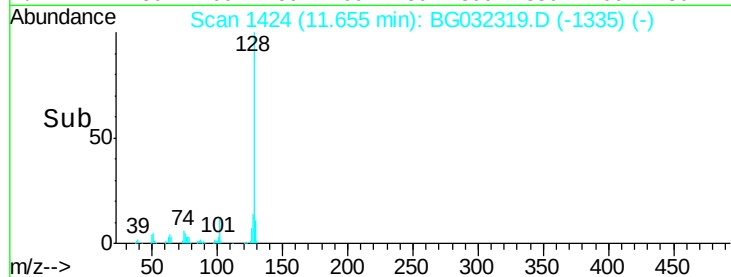
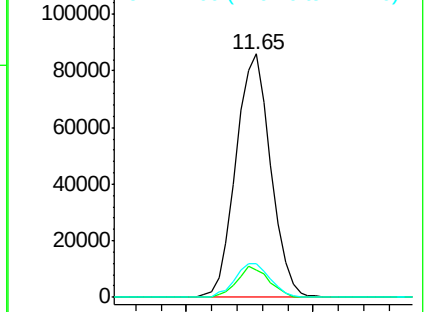


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 5.290 ng

RT: 11.08 min Scan# 1326

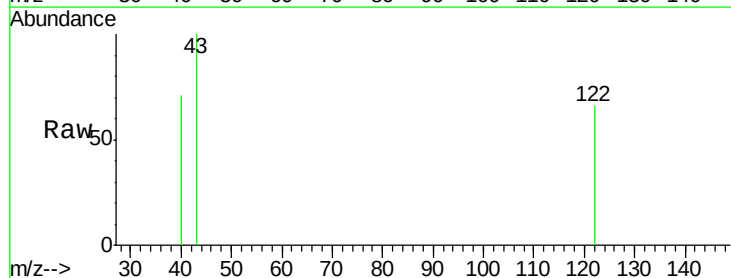
Delta R.T. 0.22 min

Lab File: BG032319.D

Acq: 26 Jan 2018 7:54

Tgt Ion:122 Resp: 56

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

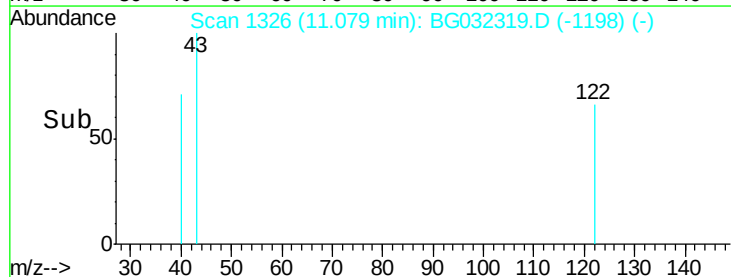
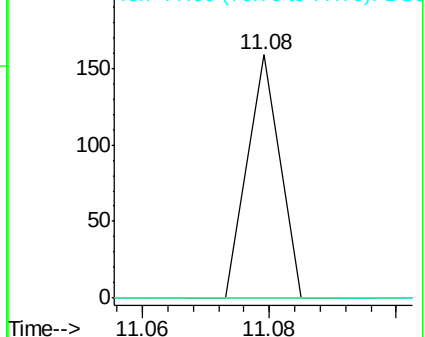


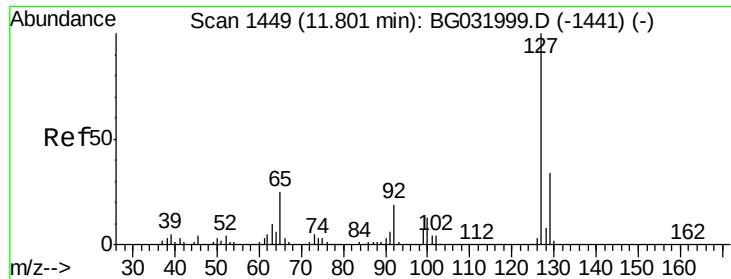
Abundance

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): BG

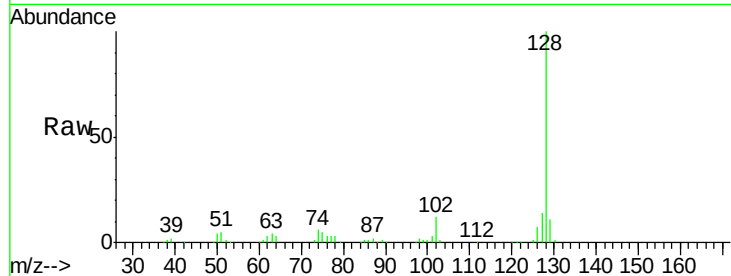




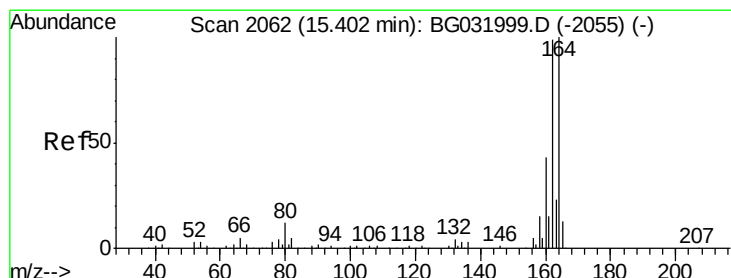
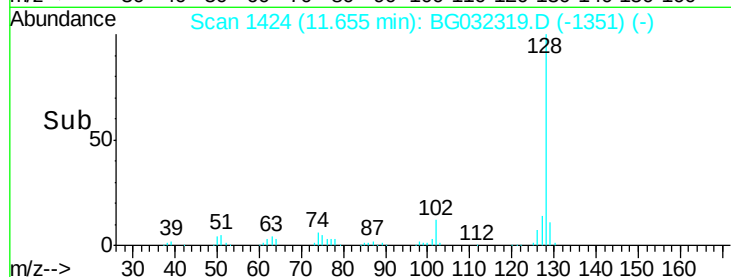
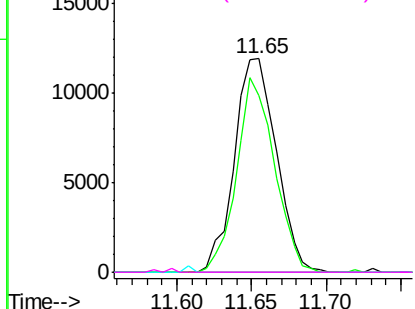
#33
4-Chloroaniline
Concen: 8.426 ng
RT: 11.65 min Scan# 1424
Delta R.T. -0.10 min
Lab File: BG032319.D
Acq: 26 Jan 2018 7:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:127 Resp: 23265
Ion Ratio Lower Upper
127 100
129 82.7 24.0 36.0#
65 0.0 27.0 40.4#
92 0.0 16.6 25.0#

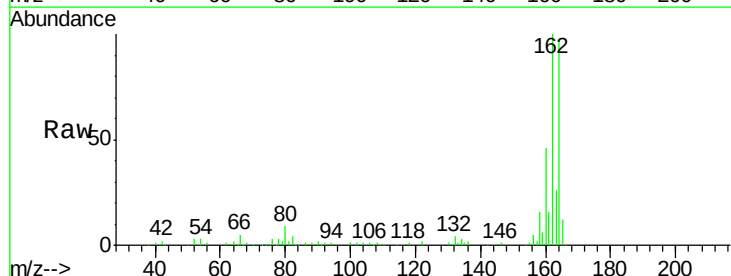


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

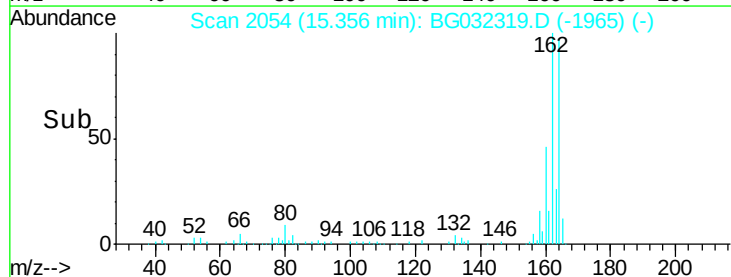
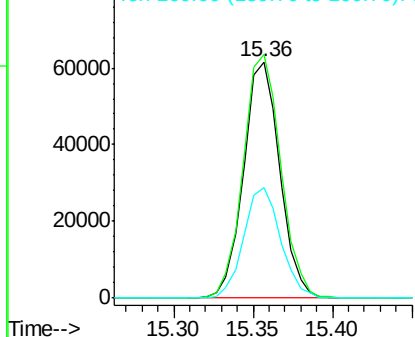


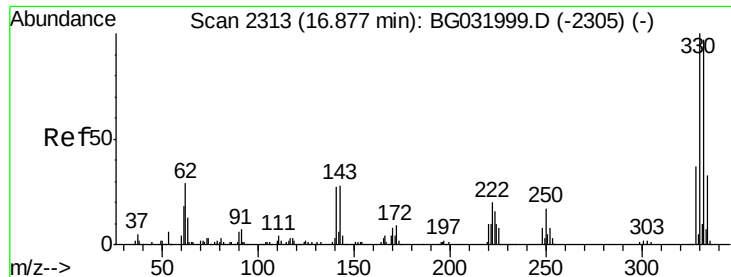
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.36 min Scan# 2054
Delta R.T. -0.01 min
Lab File: BG032319.D
Acq: 26 Jan 2018 7:54

Tgt Ion:164 Resp: 97462
Ion Ratio Lower Upper
164 100
162 103.1 78.8 118.2
160 47.0 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

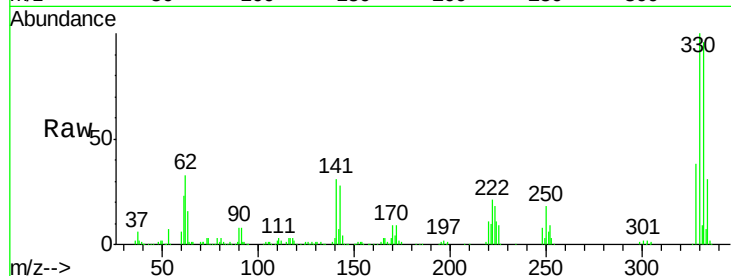




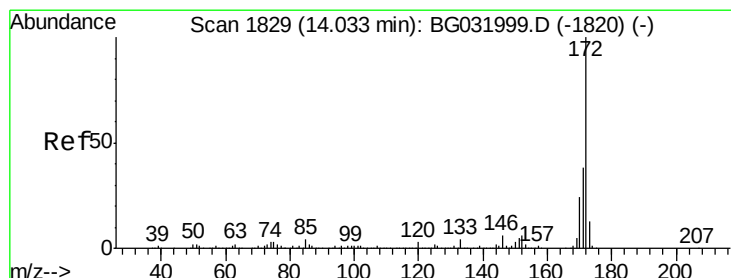
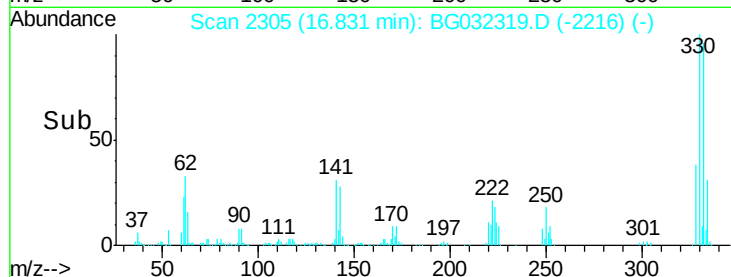
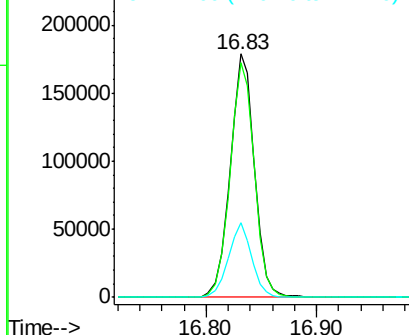
#41
 2,4,6-Tribromophenol
 Concen: 169.762 ng
 RT: 16.83 min Scan# 2305
 Delta R.T. -0.01 min
 Lab File: BG032319.D
 Acq: 26 Jan 2018 7:54

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	29.5	25.2	37.8

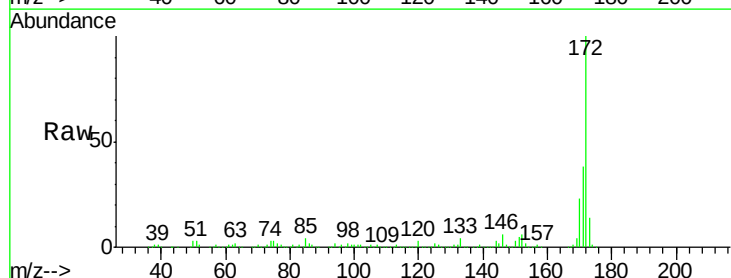


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

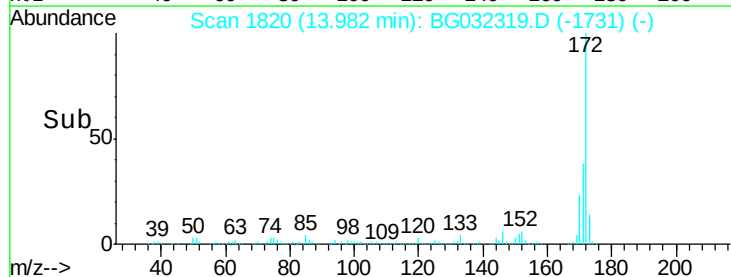
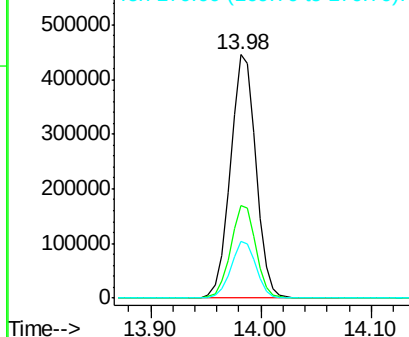


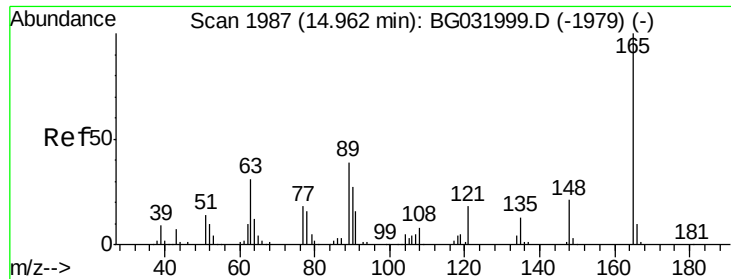
#44
 2-Fluorobiphenyl
 Concen: 91.860 ng
 RT: 13.98 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BG032319.D
 Acq: 26 Jan 2018 7:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.0	30.0	45.0
170	23.4	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

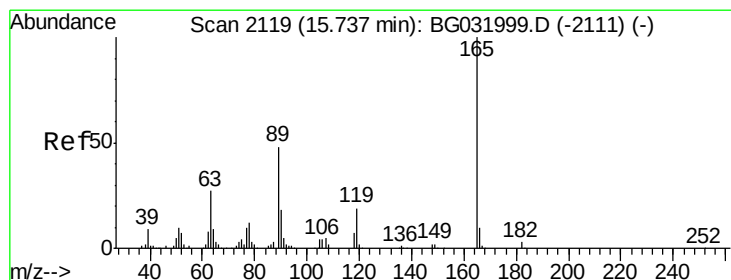
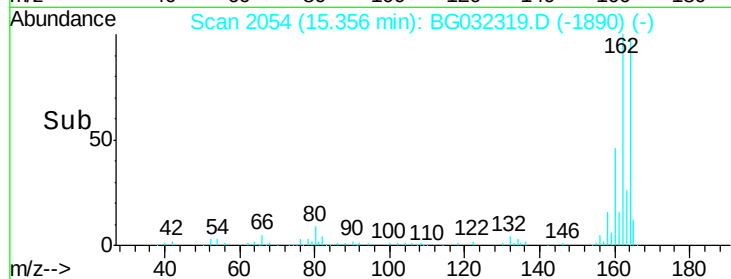
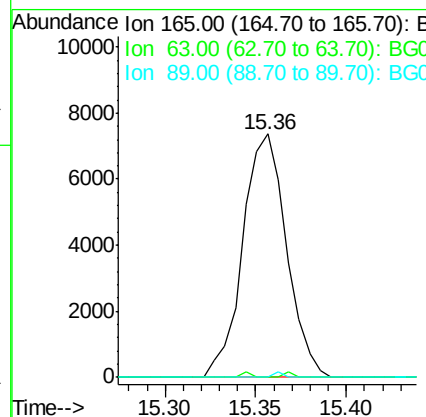
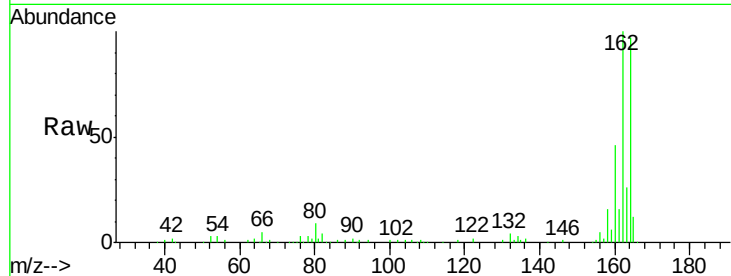




#50
 2,6-Dinitrotoluene
 Concen: 6.997 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. 0.43 min
 Lab File: BG032319.D
 Acq: 26 Jan 2018 7:54

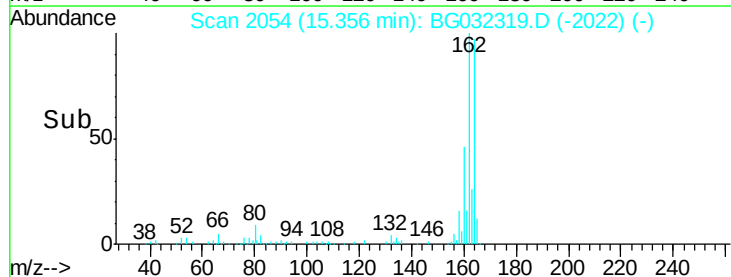
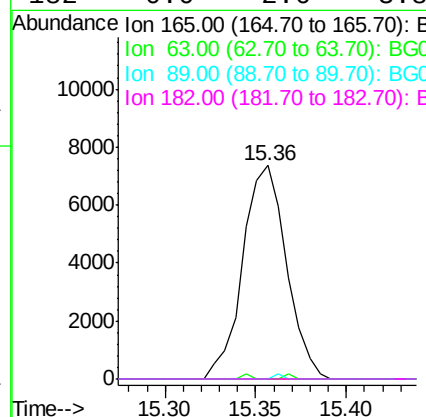
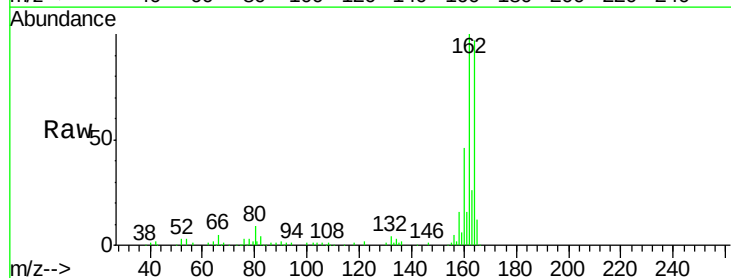
Instrument :
 BNA_G
 ClientSampleId :

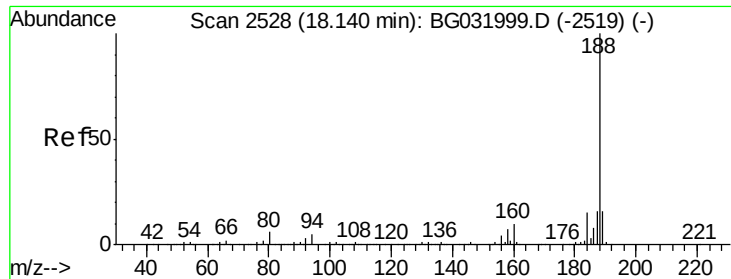
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	0.0	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.197 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. -0.34 min
 Lab File: BG032319.D
 Acq: 26 Jan 2018 7:54

Tgt 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#

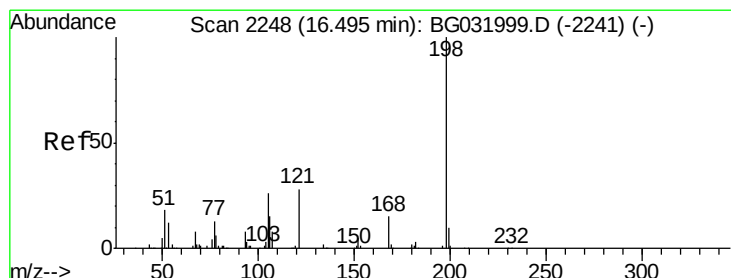
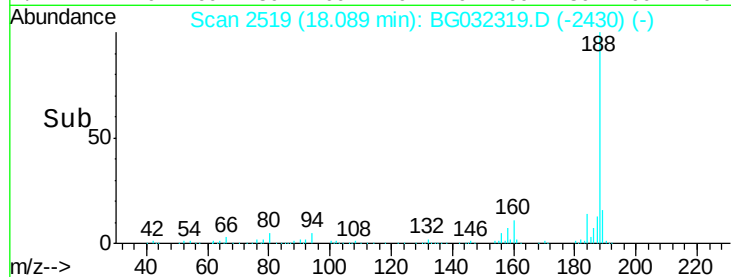
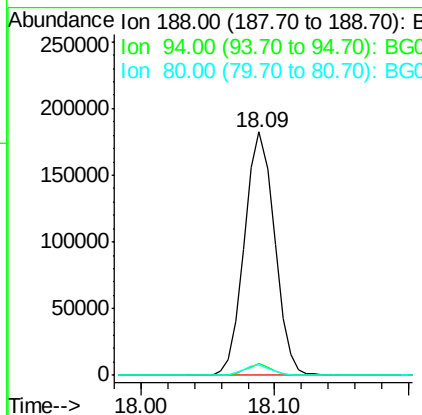
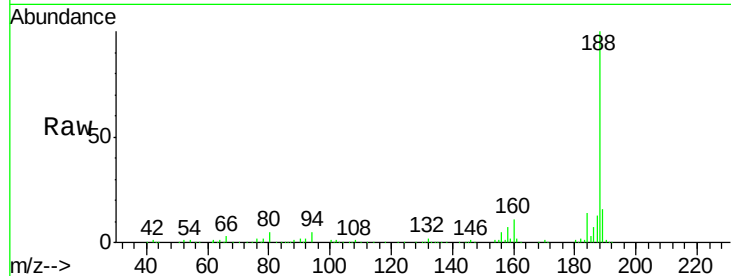




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.09 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BG032319.D
Acq: 26 Jan 2018 7:54

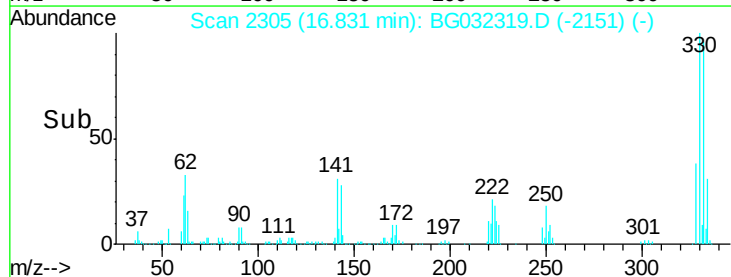
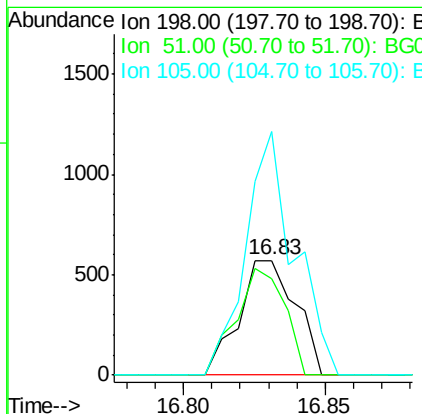
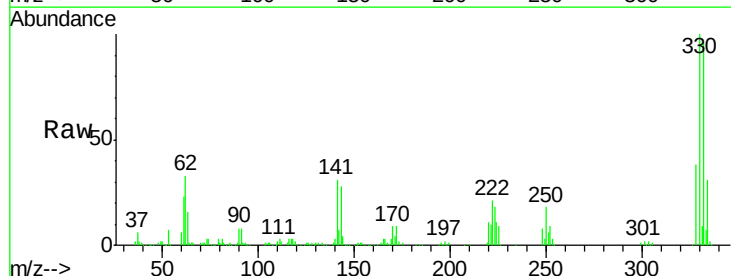
Instrument :
BNA_G
ClientSampleId :

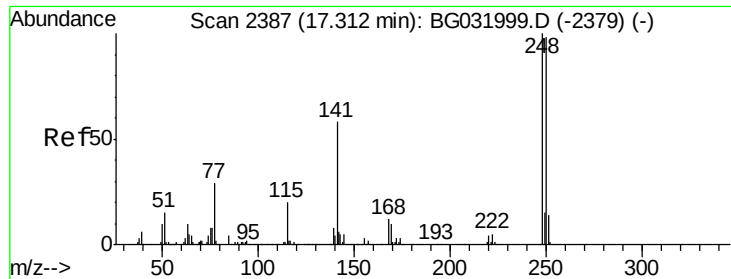
Tot Ion:188 Resp: 284812
Ion Ratio Lower Upper
188 100
94 4.9 6.9 10.3#
80 4.5 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 5.275 ng
RT: 16.83 min Scan# 2305
Delta R.T. 0.38 min
Lab File: BG032319.D
Acq: 26 Jan 2018 7:54

Tgt Ion:198 Resp: 792
Ion Ratio Lower Upper
198 100
51 84.1 30.6 70.6#
105 212.4 23.8 63.8#

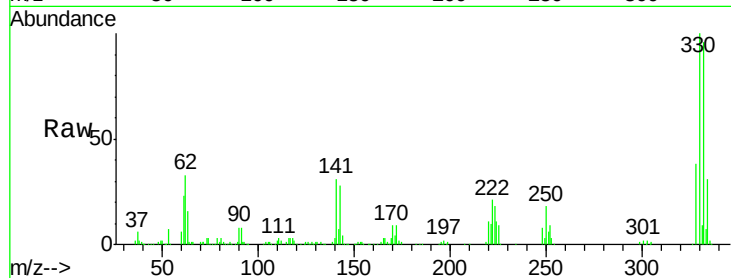




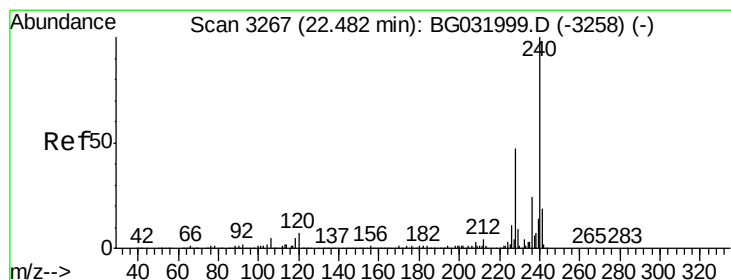
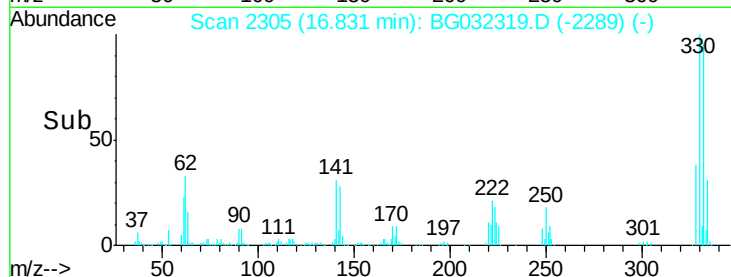
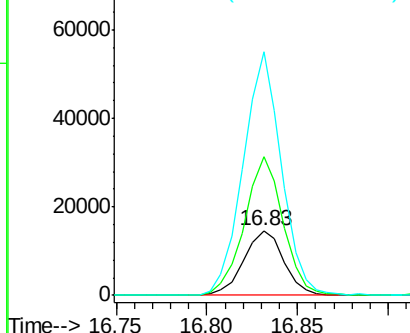
#66
4-Bromophenyl-phenylether
Concen: 5.528 ng
RT: 16.83 min Scan# 2305
Delta R.T. -0.43 min
Lab File: BG032319.D
Acq: 26 Jan 2018 7:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 22403
Ion Ratio Lower Upper
248 100
250 213.9 77.1 115.7#
141 375.5 50.8 76.2#

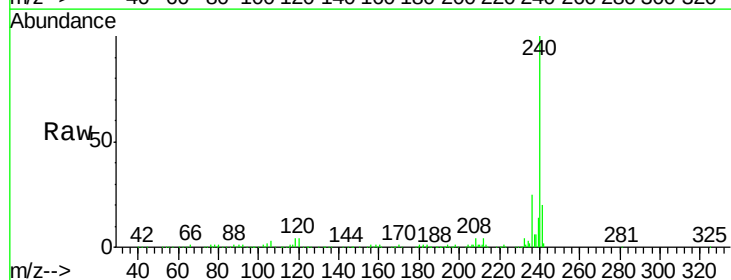


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

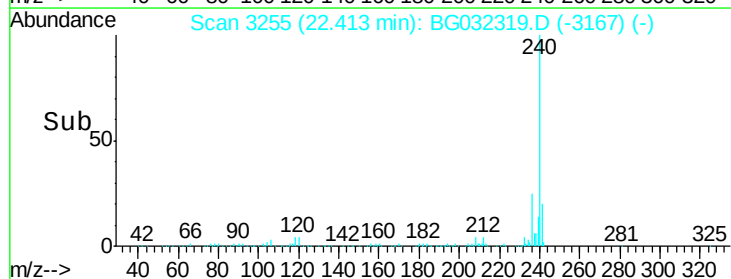
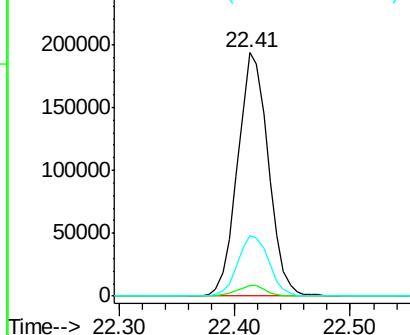


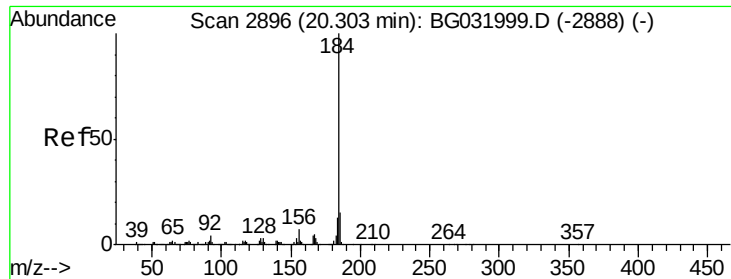
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.41 min Scan# 3255
Delta R.T. -0.01 min
Lab File: BG032319.D
Acq: 26 Jan 2018 7:54

Tgt Ion:240 Resp: 357385
Ion Ratio Lower Upper
240 100
120 4.3 6.8 10.2#
236 24.9 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

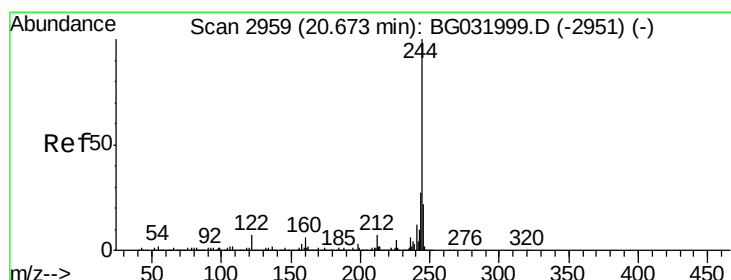
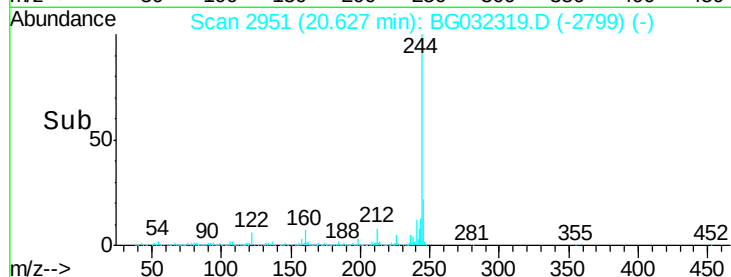
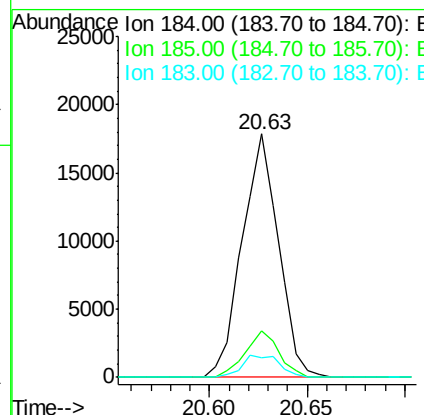
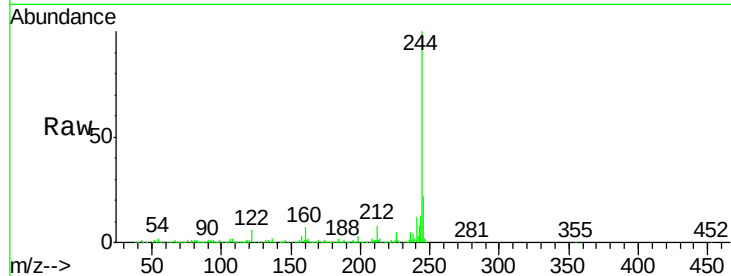




#76
Benzidine
Concen: 2.577 ng
RT: 20.63 min Scan# 2951
Delta R.T. 0.36 min
Lab File: BG032319.D
Acq: 26 Jan 2018 7:54

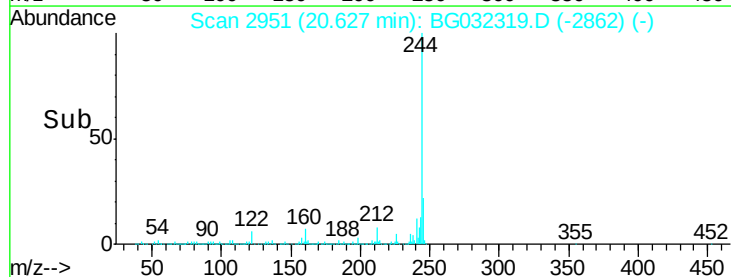
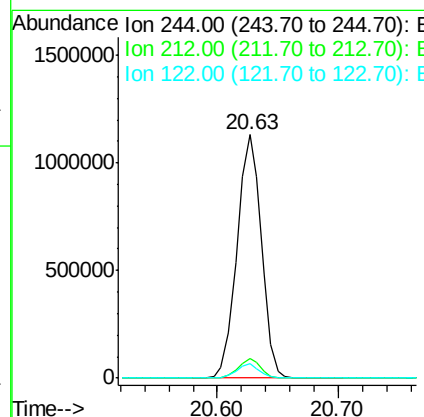
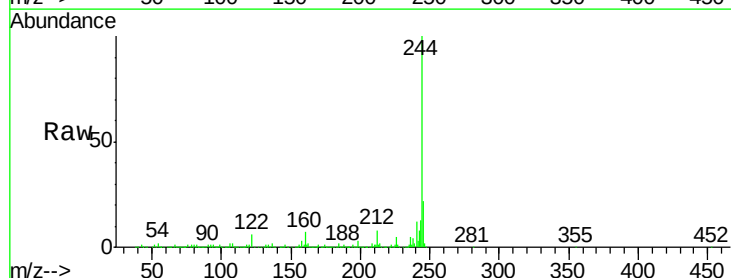
Instrument :
BNA_G
ClientSampleId :

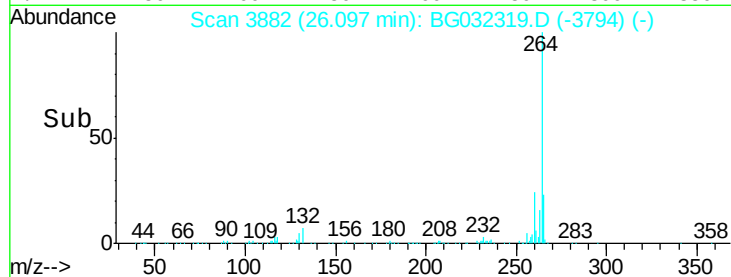
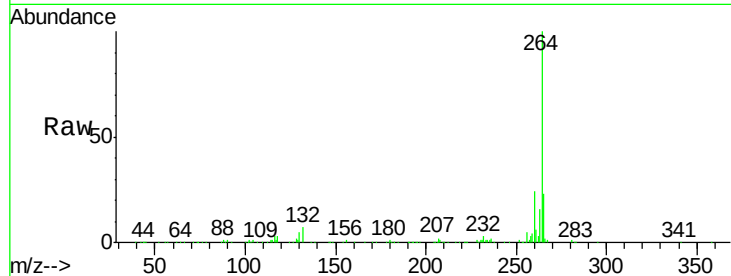
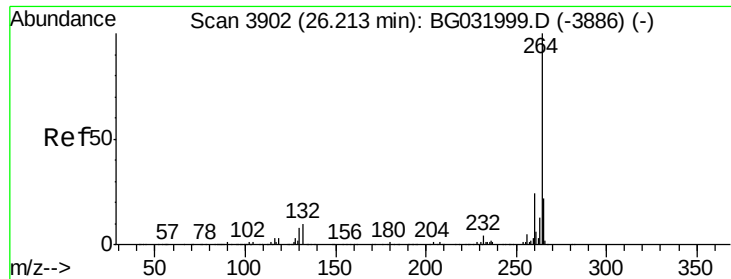
Tot Ion:184 Resp: 23032
Ion Ratio Lower Upper
184 100
185 19.3 11.1 16.7#
183 8.1 10.6 16.0#



#78
Terphenyl-d14
Concen: 98.110 ng
RT: 20.63 min Scan# 2951
Delta R.T. -0.01 min
Lab File: BG032319.D
Acq: 26 Jan 2018 7:54

Tgt Ion:244 Resp: 1587972
Ion Ratio Lower Upper
244 100
212 8.1 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: BG032319.D

Acq: 26 Jan 2018 7:54

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 264 Resp: 354155

Ion Ratio Lower Upper

264 100

260 24.2 17.4 26.0

265 22.8 17.7 26.5

