

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012518\
 Data File : BG032324.D
 Acq On : 26 Jan 2018 11:01
 Operator : SJ/JU
 Sample : J1020-02
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 26 11:56:26 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

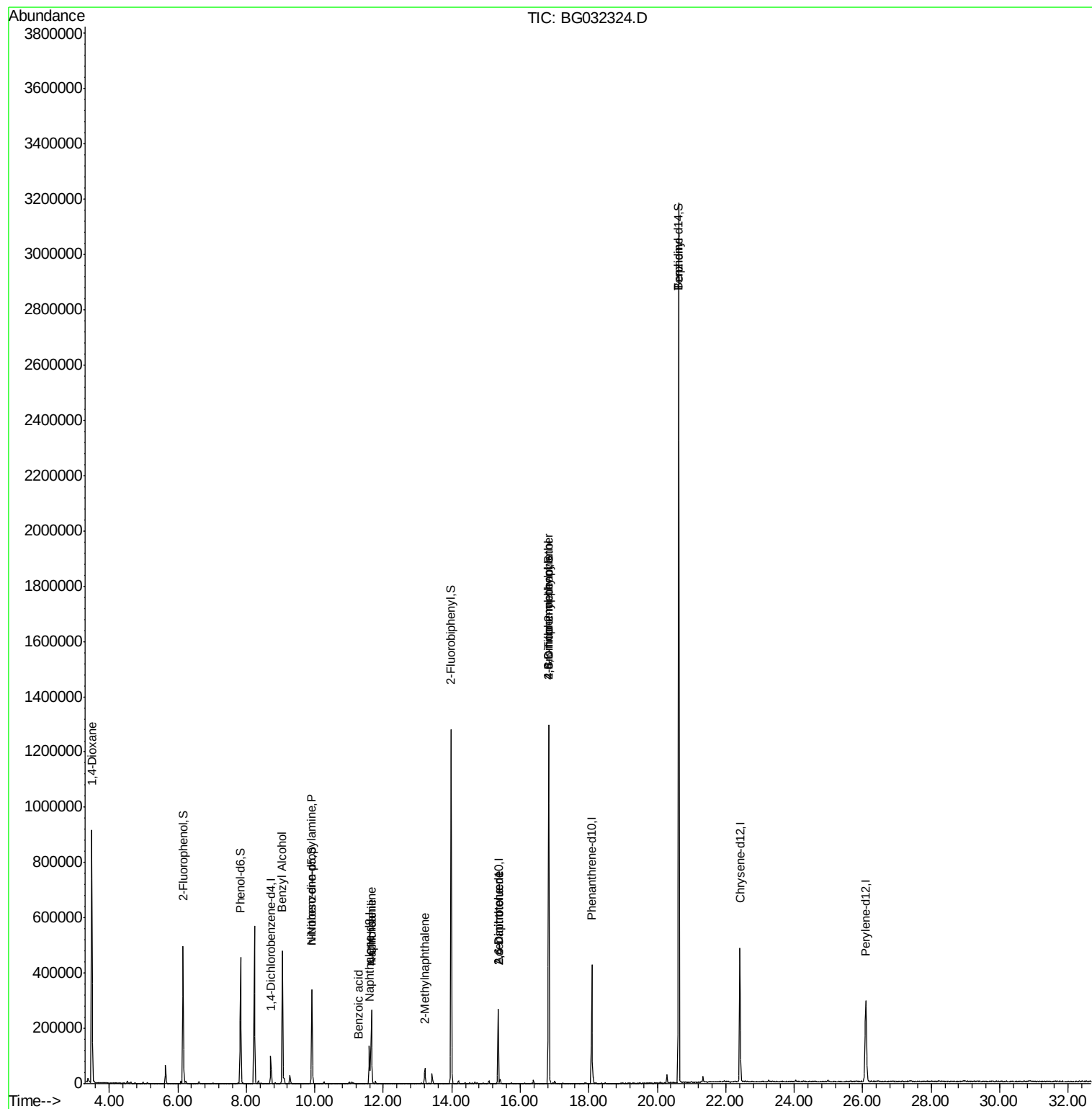
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.72	152	32111	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	132451	20.00	ng	0.00
38) Acenaphthene-d10	15.35	164	103081	20.00	ng	-0.01
63) Phenanthrene-d10	18.09	188	302036	20.00	ng	0.00
75) Chrysene-d12	22.41	240	373085	20.00	ng	-0.01
86) Perylene-d12	26.09	264	389423	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.16	112	239384	136.34	ng	0.00
7) Phenol-d6	7.83	99	271861	122.95	ng	0.00
23) Nitrobenzene-d5	9.92	82	209173	106.84	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	301655	176.85	ng	0.00
44) 2-Fluorobiphenyl	13.98	172	760782	91.51	ng	0.00
78) Terphenyl-d14	20.63	244	1669773	98.82	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.49	88	10139	15.032	ng	# 1
15) Benzyl Alcohol	9.05	79	3879	2.415	ng	# 64
19) n-Nitroso-di-n-propylamine	9.92	70	30823	22.466	ng	# 70
31) Naphthalene	11.66	128	249052	37.958	ng	# 99
32) Benzoic acid	11.27	122	53	5.288	ng	# 38
33) 4-Chloroaniline	11.65	127	35288	12.542	ng	# 38
37) 2-Methylnaphthalene	13.22	142	28008	5.377	ng	# 97
50) 2,6-Dinitrotoluene	15.36	165	14122	7.542	ng	# 18
56) 2,4-Dinitrotoluene	15.36	165	14122	5.602	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.83	198	985	5.342	ng	# 36
66) 4-Bromophenyl-phenylether	16.83	248	25193	5.862	ng	# 1
76) Benzidine	20.63	184	24105	2.584	ng	# 92

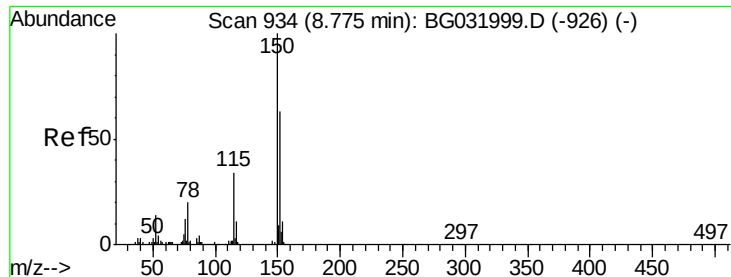
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG032324.D

Acq: 26 Jan 2018 11:01

Instrument :

BNA_G

ClientSampleId :

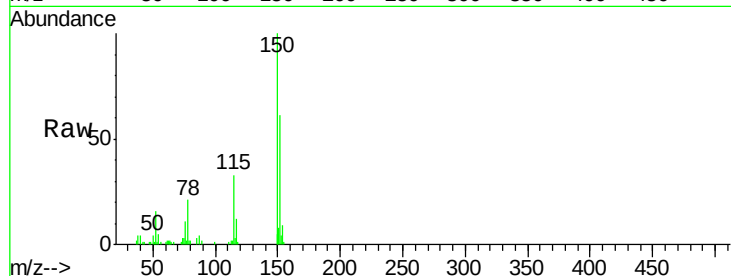
Tot Ion:152 Resp: 32111

Ion Ratio Lower Upper

152 100

150 162.9 126.6 189.8

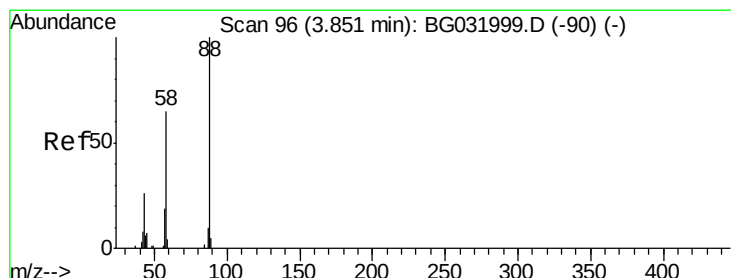
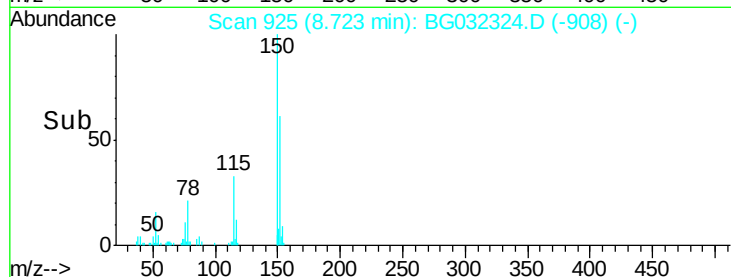
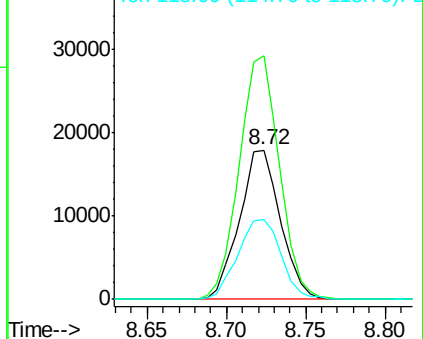
115 53.2 53.0 79.4



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: 15.032 ng

RT: 3.49 min Scan# 34

Delta R.T. -0.33 min

Lab File: BG032324.D

Acq: 26 Jan 2018 11:01

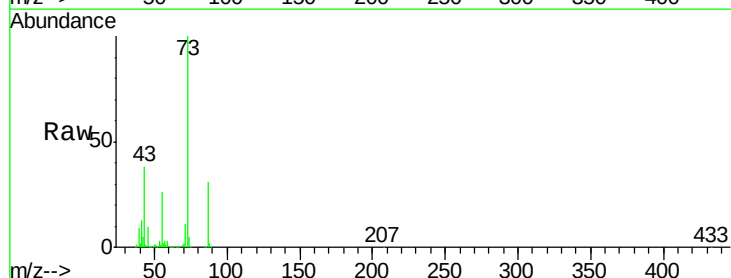
Tgt Ion: 88 Resp: 10139

Ion Ratio Lower Upper

88 100

58 35.7 79.6 119.4#

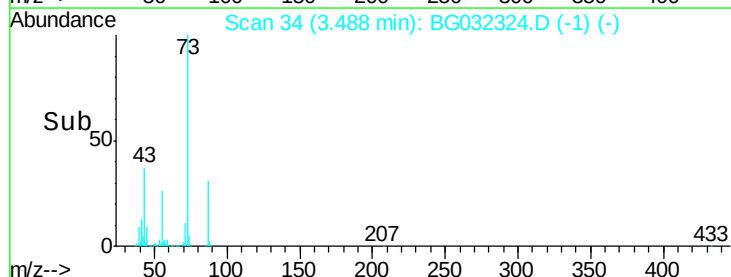
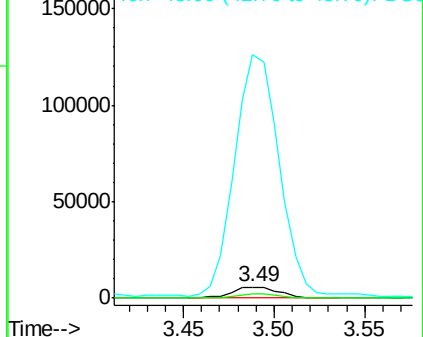
43 2142.1 27.4 41.0#

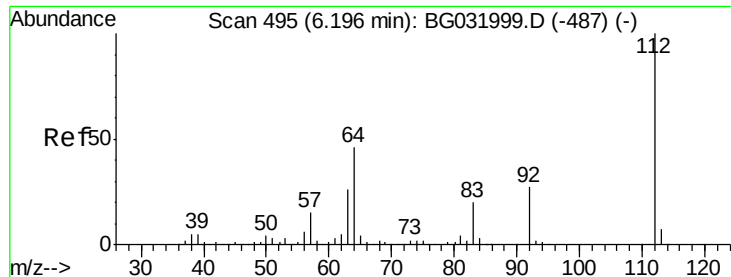


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 136.345 ng

RT: 6.16 min Scan# 488

Delta R.T. 0.00 min

Lab File: BG032324.D

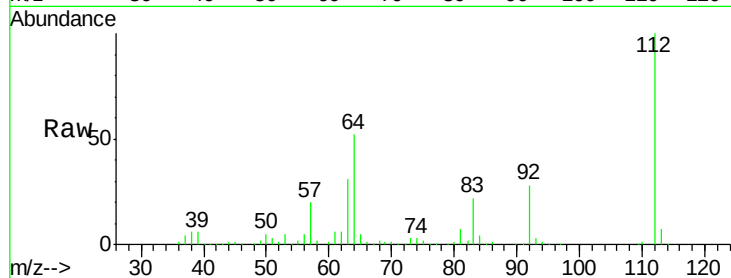
Acq: 26 Jan 2018 11:01

Instrument :

BNA_G

ClientSampled :

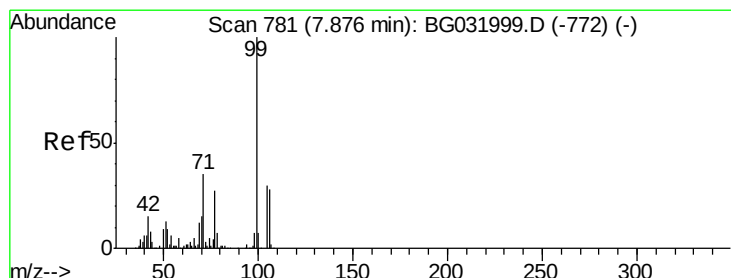
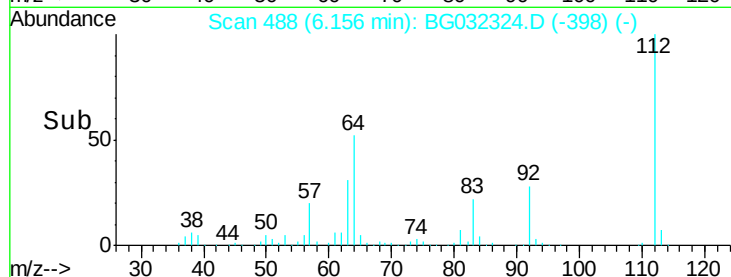
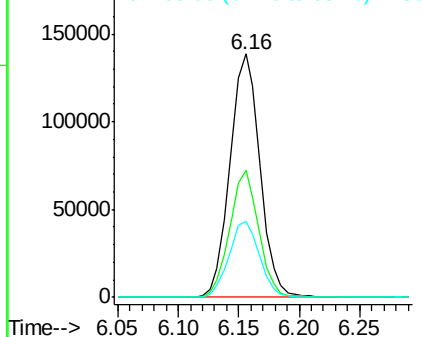
Tot Ion:	112	Resp:	239384
Ion Ratio	Lower	Upper	
112	100		
64	52.3	56.3	84.5#
63	31.0	30.1	45.1



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: 122.946 ng

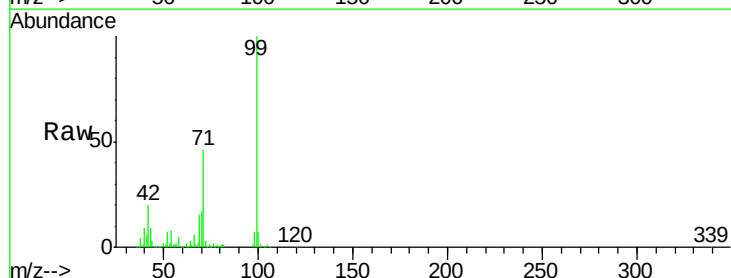
RT: 7.83 min Scan# 773

Delta R.T. -0.01 min

Lab File: BG032324.D

Acq: 26 Jan 2018 11:01

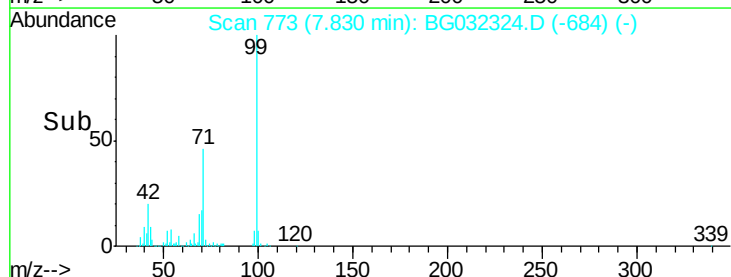
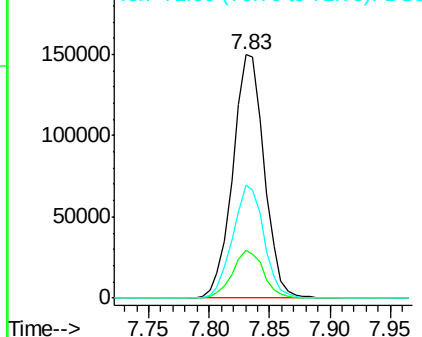
Tgt Ion:	99	Resp:	271861
Ion Ratio	Lower	Upper	
99	100		
42	19.7	14.1	21.1
71	46.3	26.1	39.1#

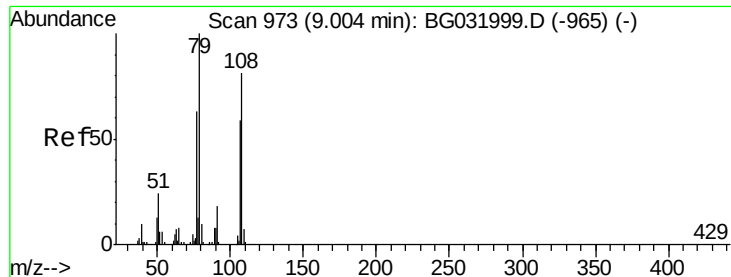


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.415 ng

RT: 9.05 min Scan# 980

Delta R.T. 0.08 min

Lab File: BG032324.D

Acq: 26 Jan 2018 11:01

Instrument :

BNA_G

ClientSampleId :

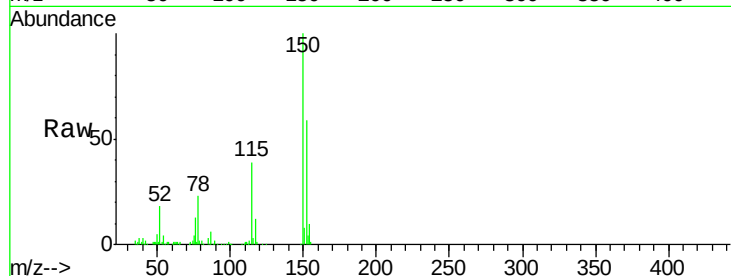
Tot Ion: 79 Resp: 3879

Ion Ratio Lower Upper

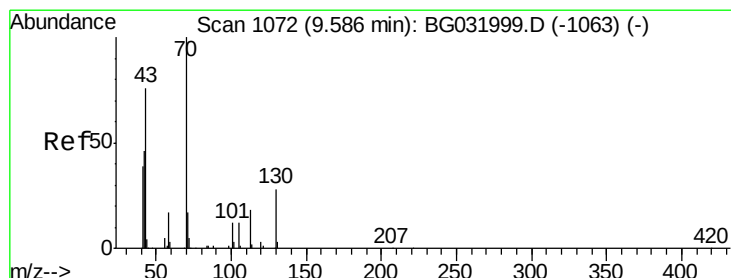
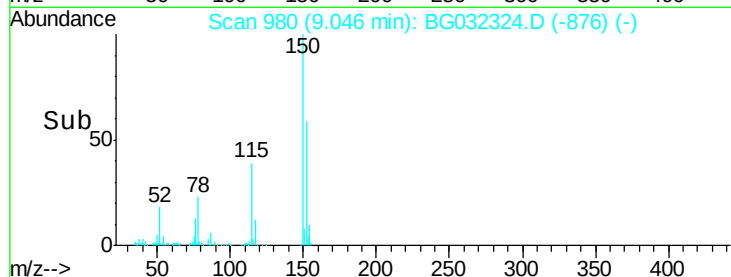
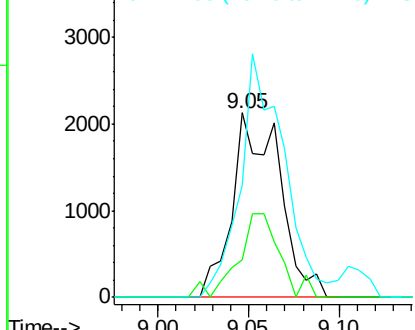
79 100

108 20.7 57.2 85.8#

77 60.9 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: 22.466 ng

RT: 9.92 min Scan# 1128

Delta R.T. 0.38 min

Lab File: BG032324.D

Acq: 26 Jan 2018 11:01

Tgt Ion: 70 Resp: 30823

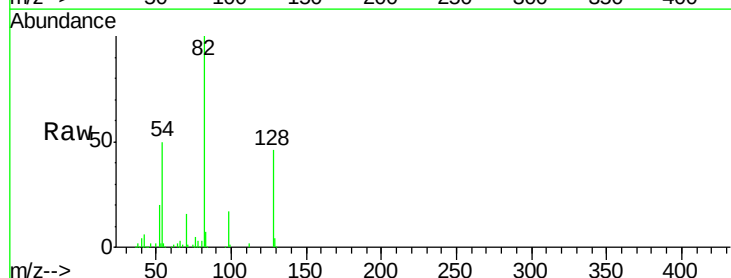
Ion Ratio Lower Upper

70 100

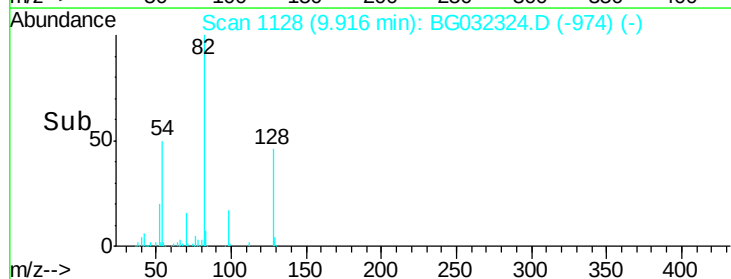
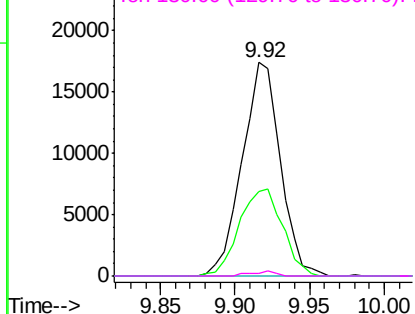
42 39.7 49.1 73.7#

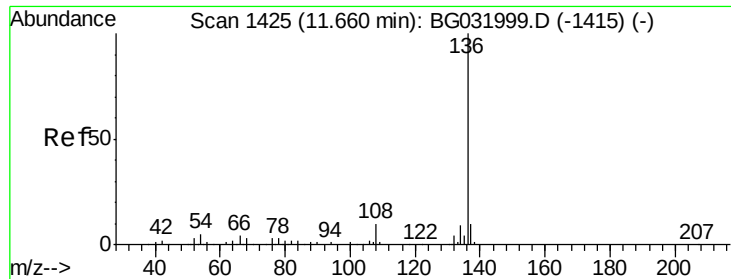
101 0.0 8.5 12.7#

130 1.1 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

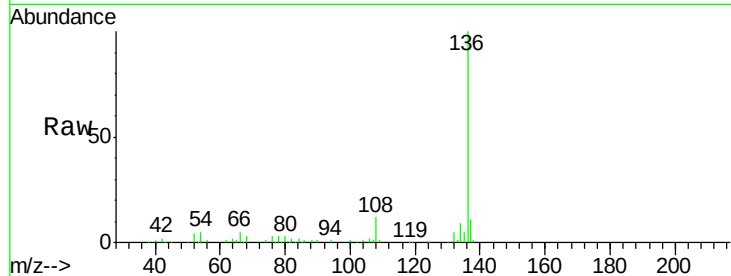




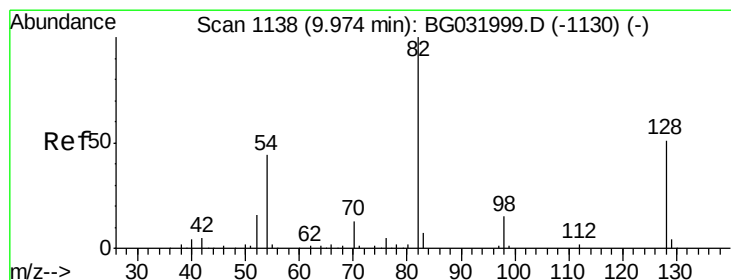
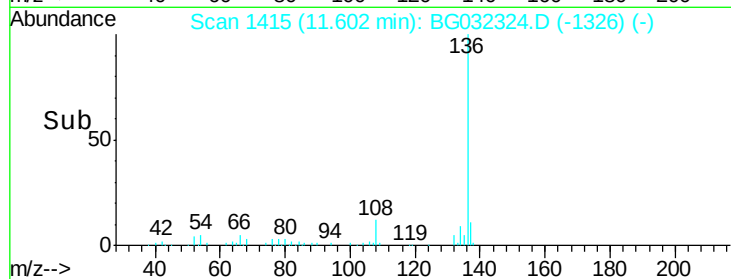
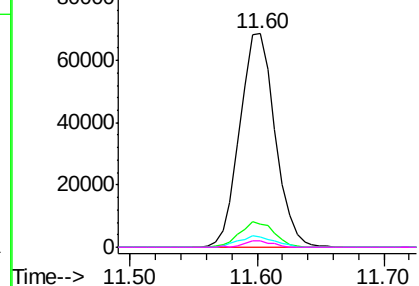
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BG032324.D
Acq: 26 Jan 2018 11:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	132451
Ion Ratio	Lower	Upper
136	100	
137	10.6	9.2 13.8
54	5.1	10.3 15.5#
68	2.8	4.5 6.7#

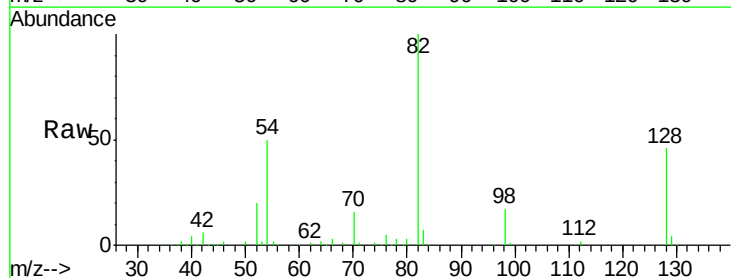


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

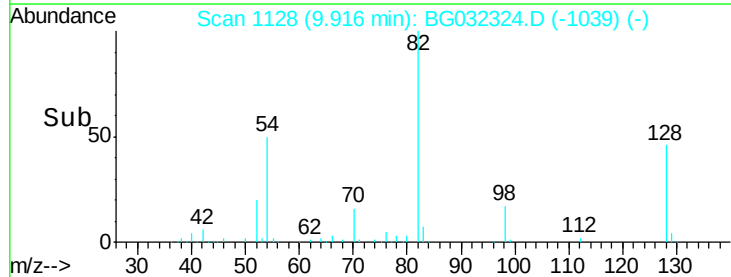
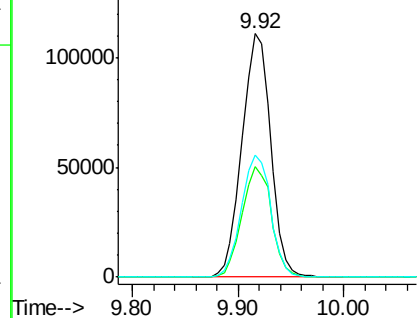


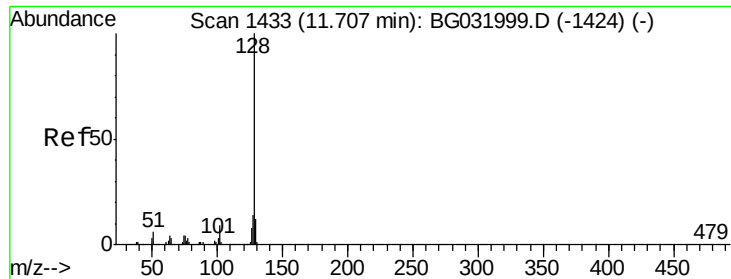
#23
Nitrobenzene-d5
Concen: 106.843 ng
RT: 9.92 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BG032324.D
Acq: 26 Jan 2018 11:01

Tgt Ion: 82	Resp:	209173
Ion Ratio	Lower	Upper
82	100	
128	45.6	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): BGC
Ion 54.00 (53.70 to 54.70): BGC

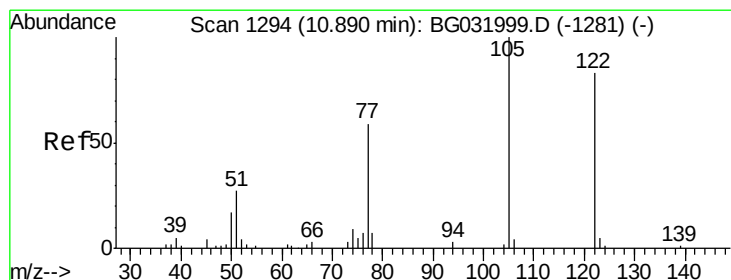
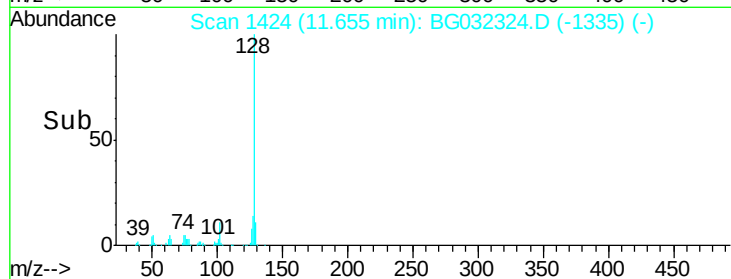
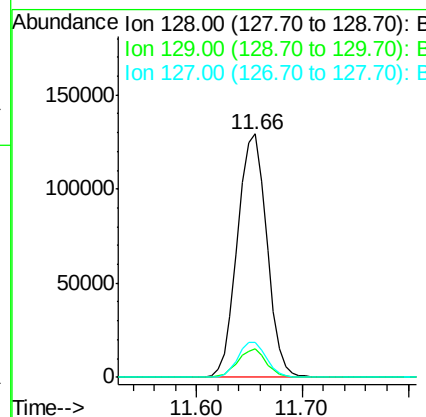
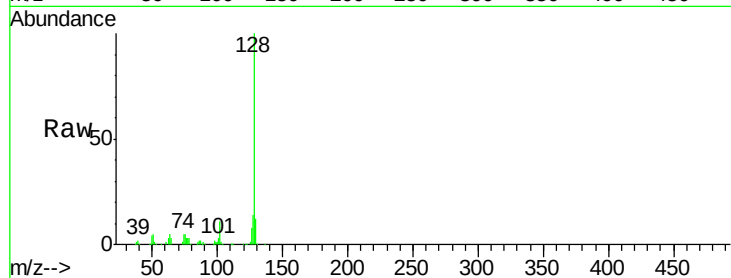




#31
Naphthalene
Concen: 37.958 ng
RT: 11.66 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BG032324.D
Acq: 26 Jan 2018 11:01

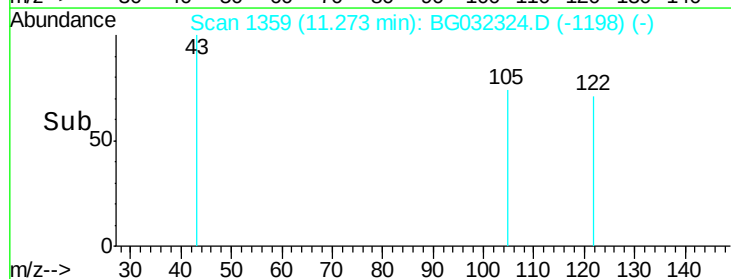
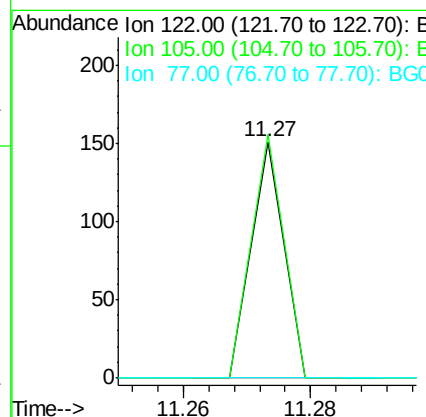
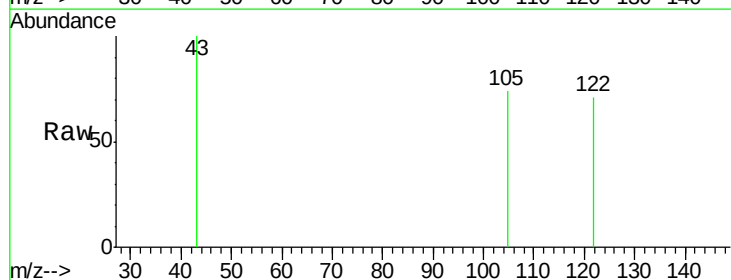
Instrument :
BNA_G
ClientSampleId :

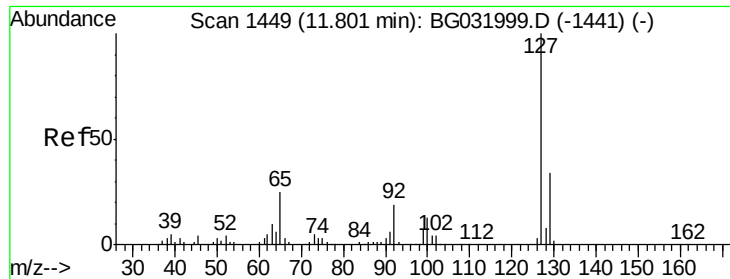
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.6	12.8
127	14.2	11.6	17.4



#32
Benzoic acid
Concen: 5.288 ng
RT: 11.27 min Scan# 1359
Delta R.T. 0.42 min
Lab File: BG032324.D
Acq: 26 Jan 2018 11:01

Tgt Ion	Ratio	Lower	Upper
122	100		
105	103.3	123.5	163.5#
77	0.0	85.7	125.7#

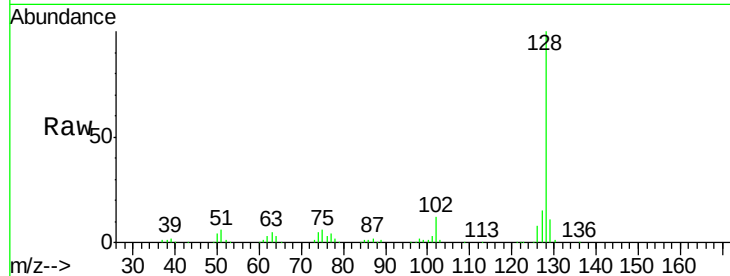




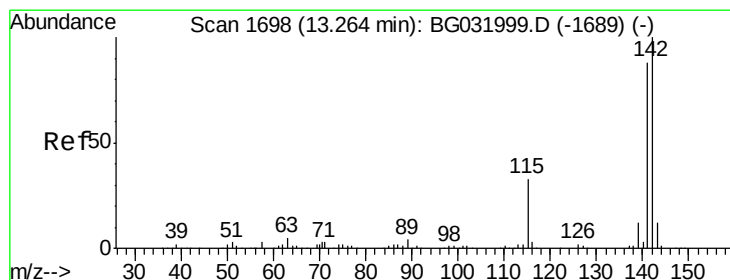
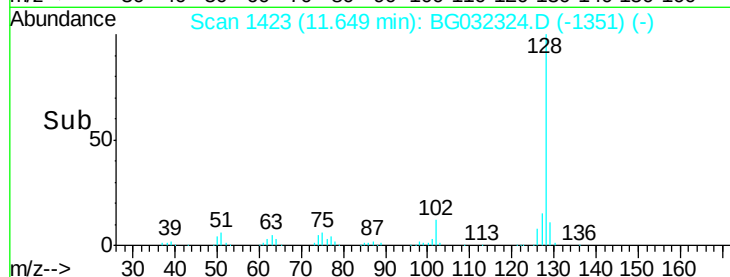
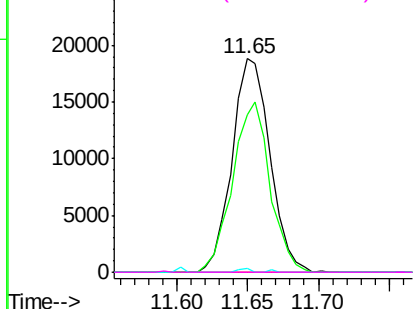
#33
4-Chloroaniline
Concen: 12.542 ng
RT: 11.65 min Scan# 1423
Delta R.T. -0.11 min
Lab File: BG032324.D
Acq: 26 Jan 2018 11:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
127	100		
129	73.4	24.0	36.0#
65	1.7	27.0	40.4#
92	0.0	16.6	25.0#

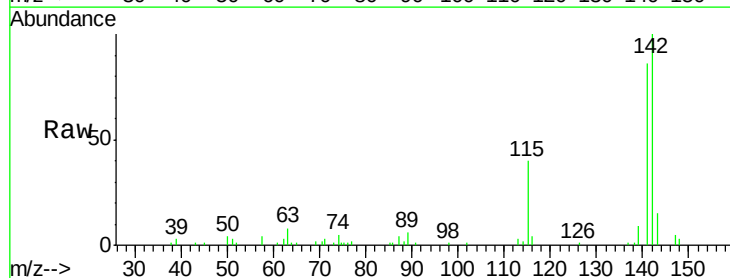


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

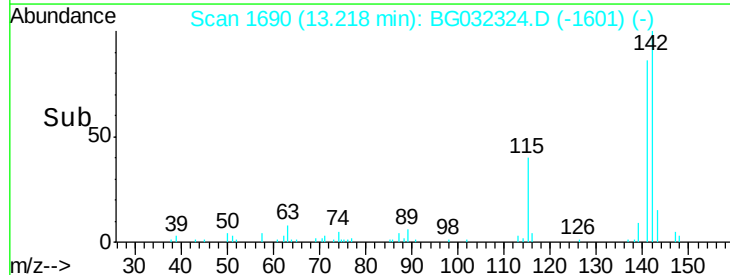
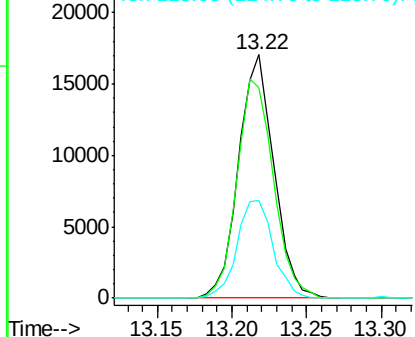


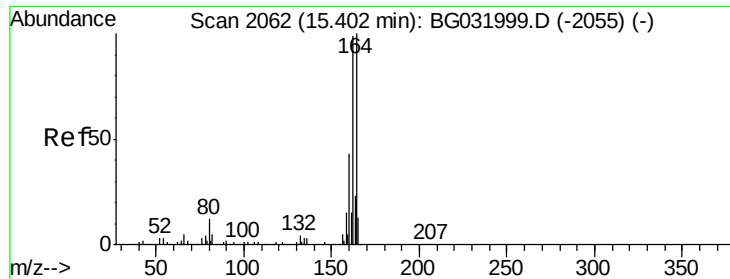
#37
2-Methylnaphthalene
Concen: 5.377 ng
RT: 13.22 min Scan# 1690
Delta R.T. -0.01 min
Lab File: BG032324.D
Acq: 26 Jan 2018 11:01

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.2	67.1	100.7
115	40.3	30.7	46.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.35 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BG032324.D

Acq: 26 Jan 2018 11:01

Instrument :

BNA_G

ClientSampleId :

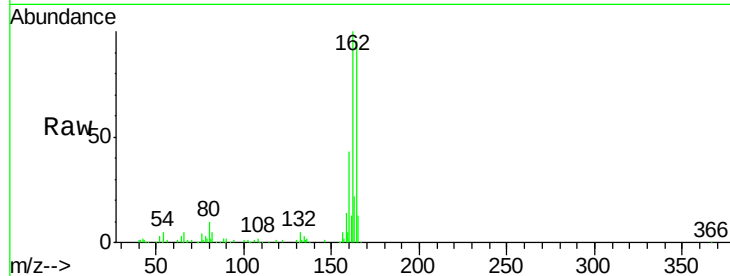
Tot Ion:164 Resp: 103081

Ion Ratio Lower Upper

164 100

162 104.8 78.8 118.2

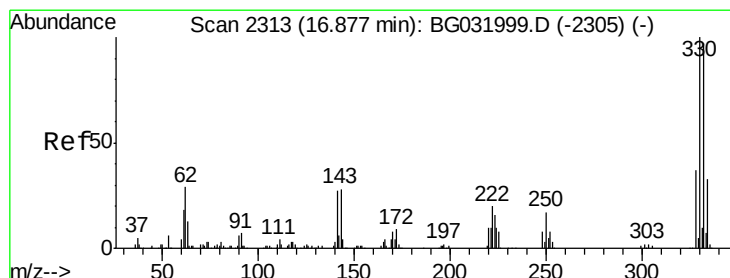
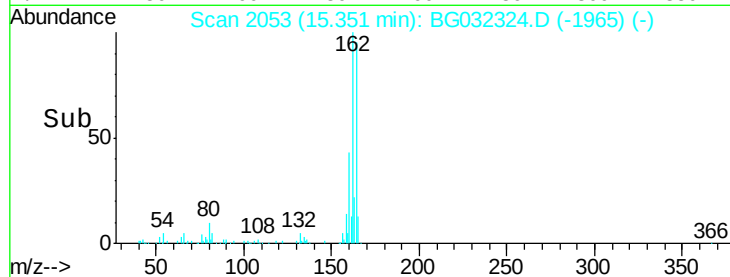
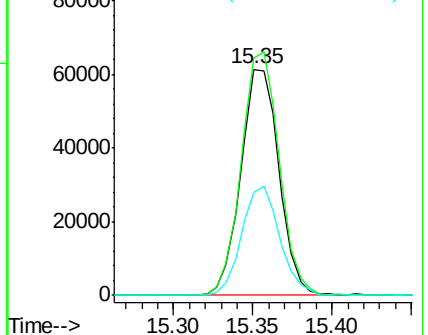
160 45.5 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 176.846 ng

RT: 16.83 min Scan# 2305

Delta R.T. -0.01 min

Lab File: BG032324.D

Acq: 26 Jan 2018 11:01

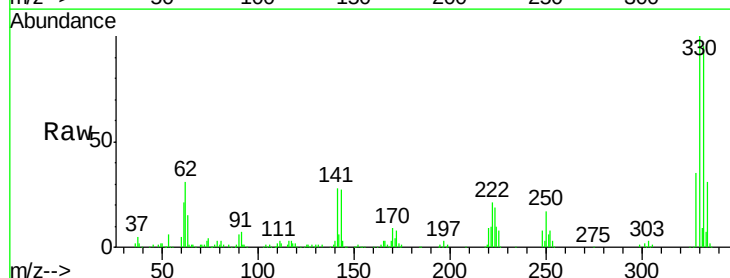
Tgt Ion:330 Resp: 301655

Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

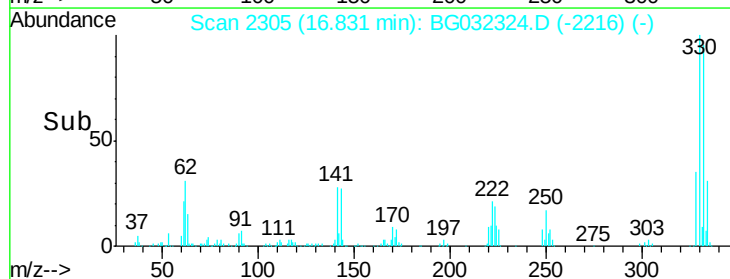
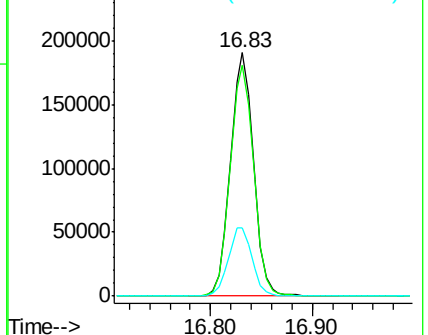
141 28.6 25.2 37.8

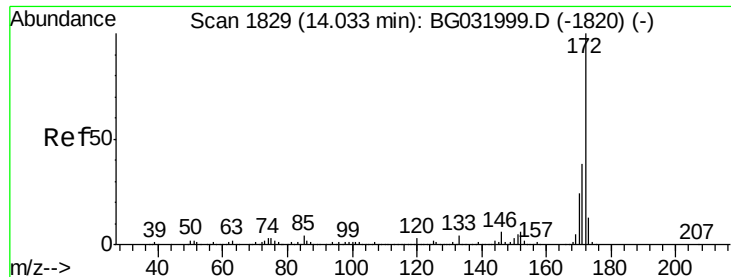


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

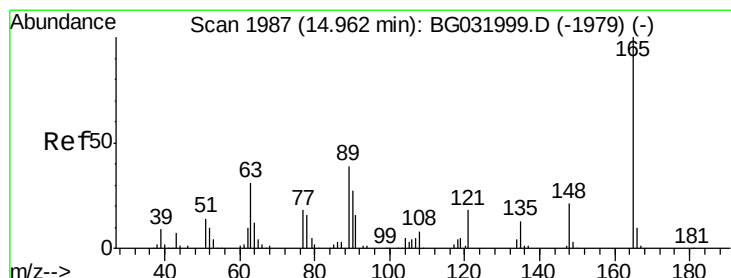
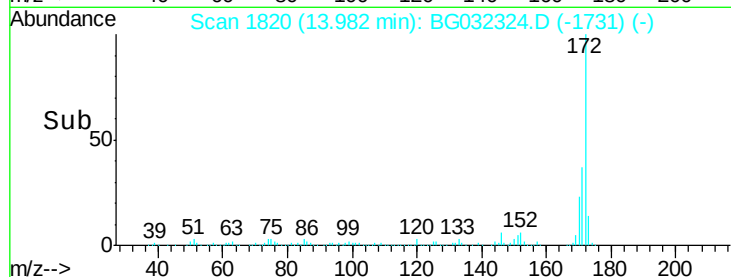
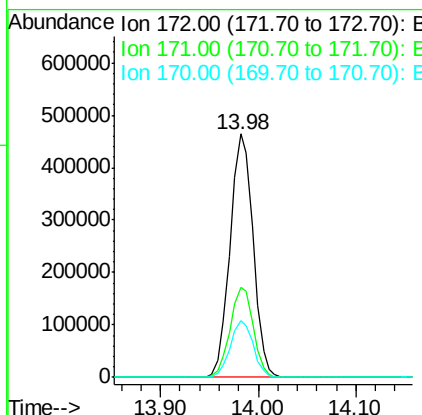
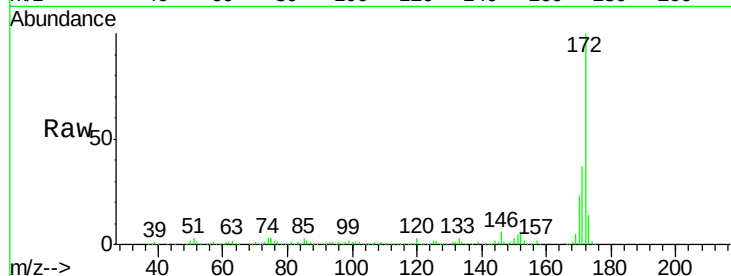




#44
 2-Fluorobiphenyl
 Concen: 91.514 ng
 RT: 13.98 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BG032324.D
 Acq: 26 Jan 2018 11:01

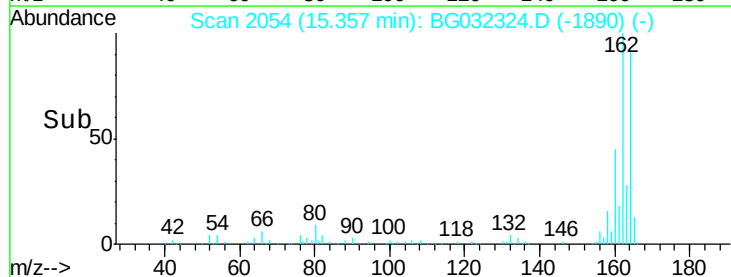
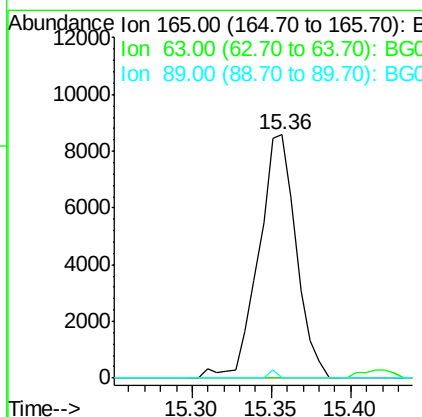
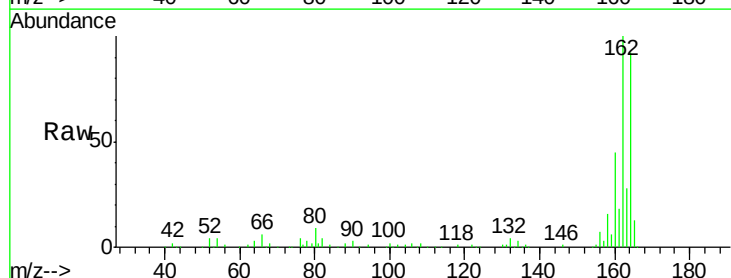
Instrument :
 BNA_G
 ClientSampleId :

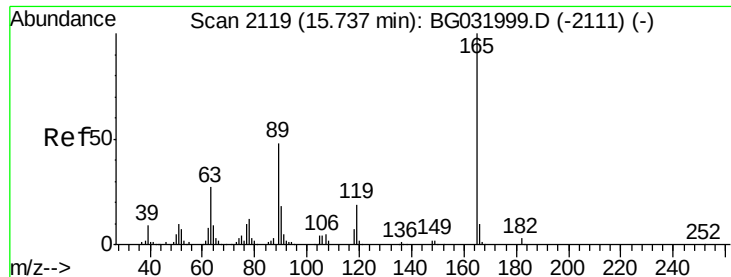
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.1	30.0	45.0
170	23.2	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.542 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. 0.43 min
 Lab File: BG032324.D
 Acq: 26 Jan 2018 11:01

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

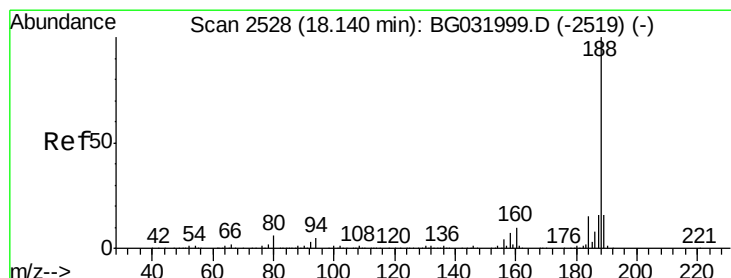
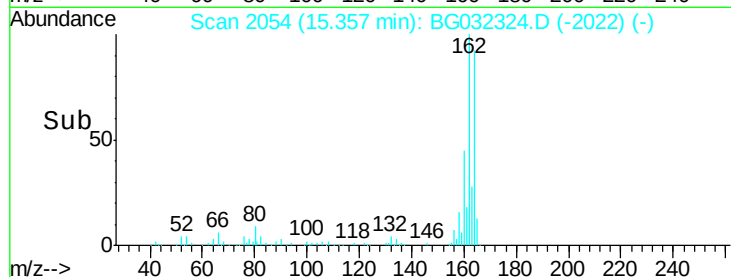
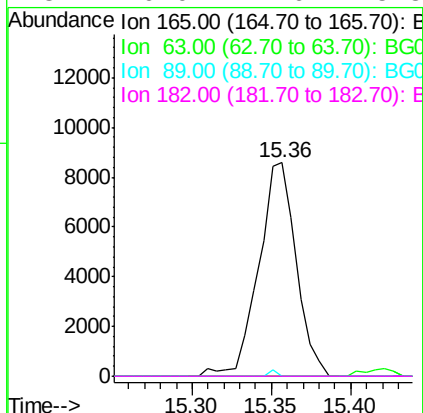
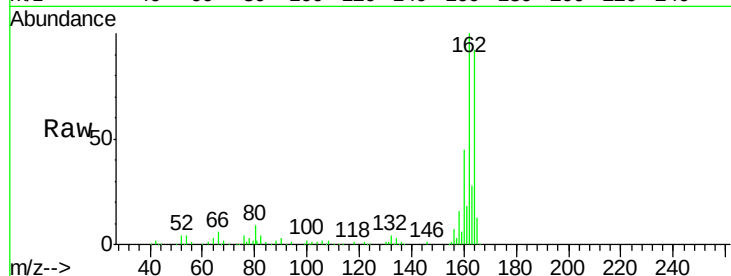




#56
2,4-Dinitrotoluene
Concen: 5.602 ng
RT: 15.36 min Scan# 2054
Delta R.T. -0.34 min
Lab File: BG032324.D
Acq: 26 Jan 2018 11:01

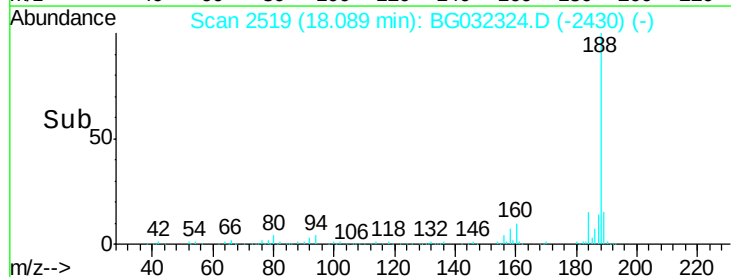
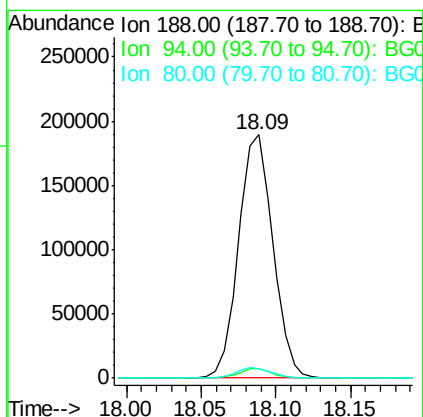
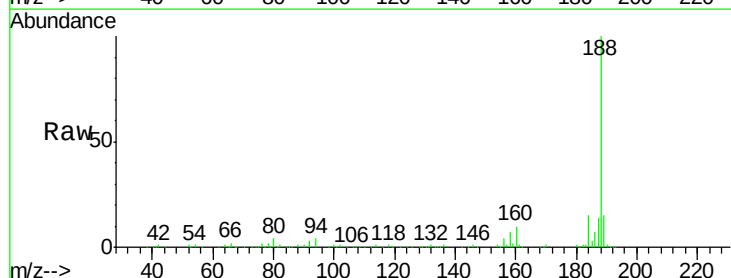
Instrument :
BNA_G
ClientSampleId :

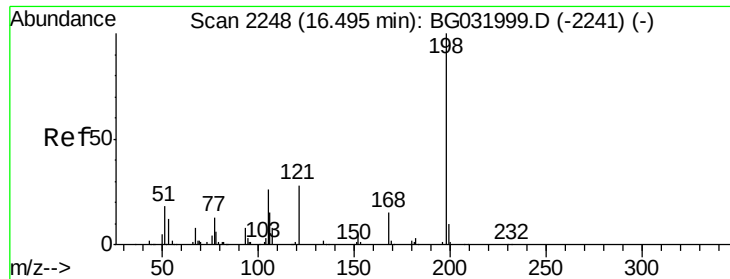
Tot Ion:165 Resp: 14122
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.09 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BG032324.D
Acq: 26 Jan 2018 11:01

Tgt Ion:188 Resp: 302036
Ion Ratio Lower Upper
188 100
94 3.8 6.9 10.3#
80 4.0 7.7 11.5#

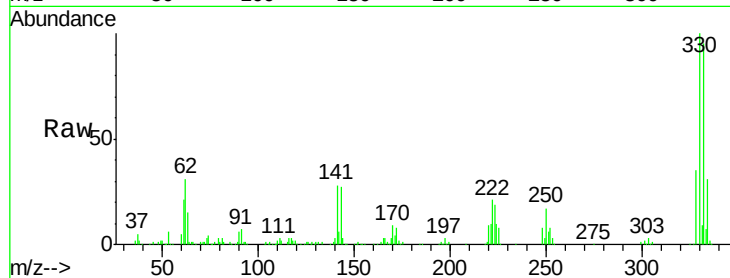




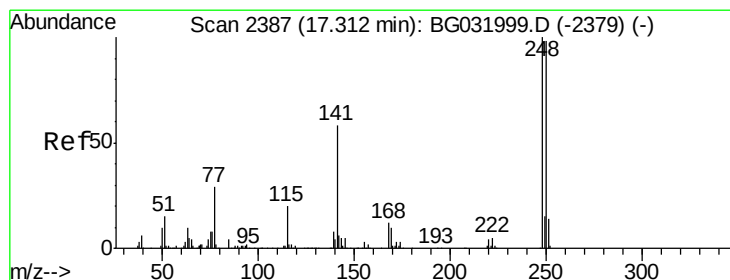
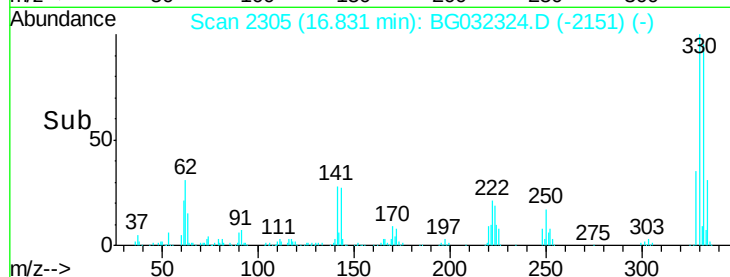
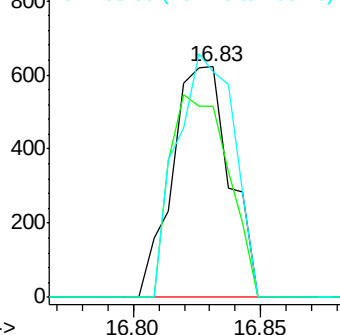
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.342 ng
 RT: 16.83 min Scan# 2305
 Delta R.T. 0.38 min
 Lab File: BG032324.D
 Acq: 26 Jan 2018 11:01

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
198	100		
51	83.1	30.6	70.6#
105	98.1	23.8	63.8#

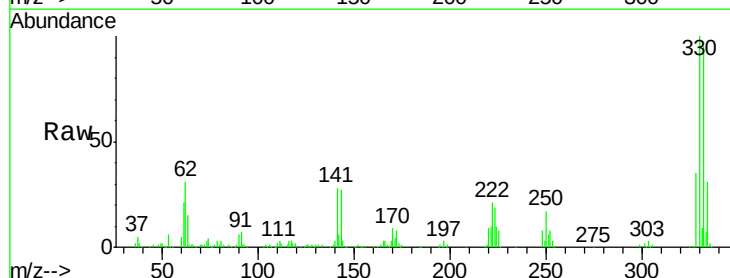


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

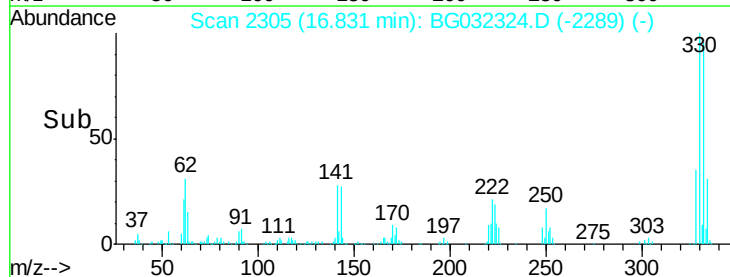
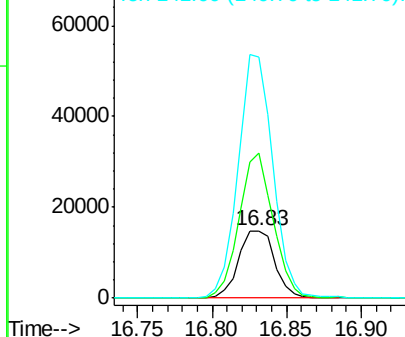


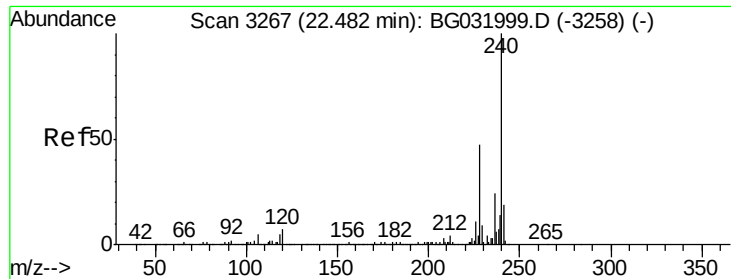
#66
 4-Bromophenyl-phenylether
 Concen: 5.862 ng
 RT: 16.83 min Scan# 2305
 Delta R.T. -0.43 min
 Lab File: BG032324.D
 Acq: 26 Jan 2018 11:01

Tgt Ion	Ratio	Lower	Upper
248	100		
250	214.4	77.1	115.7#
141	357.5	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: BG032324.D

Acq: 26 Jan 2018 11:01

Instrument :

BNA_G

ClientSampleId :

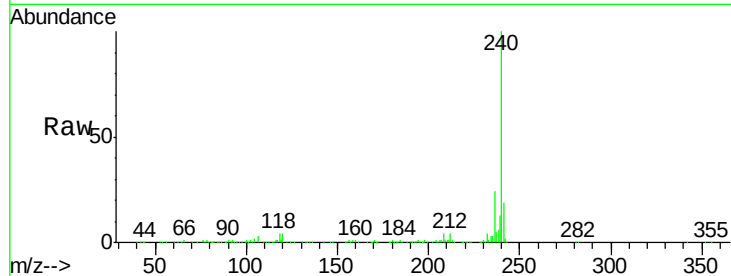
Tot Ion:240 Resp: 373085

Ion Ratio Lower Upper

240 100

120 4.0 6.8 10.2#

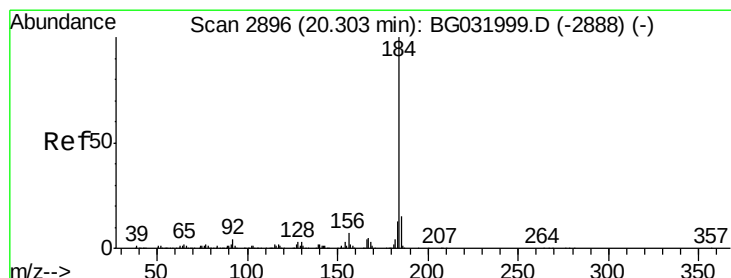
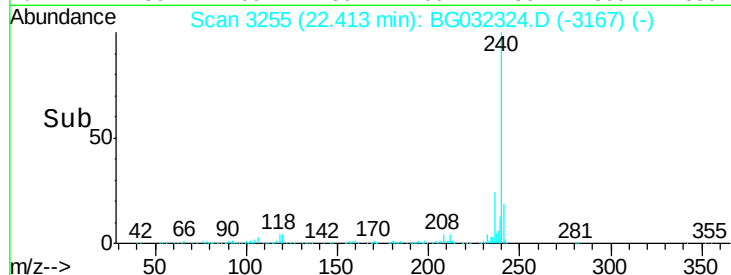
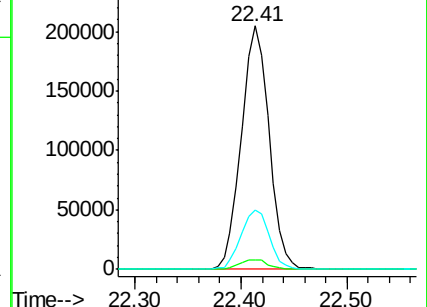
236 24.4 20.9 31.3



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: 2.584 ng

RT: 20.63 min Scan# 2951

Delta R.T. 0.36 min

Lab File: BG032324.D

Acq: 26 Jan 2018 11:01

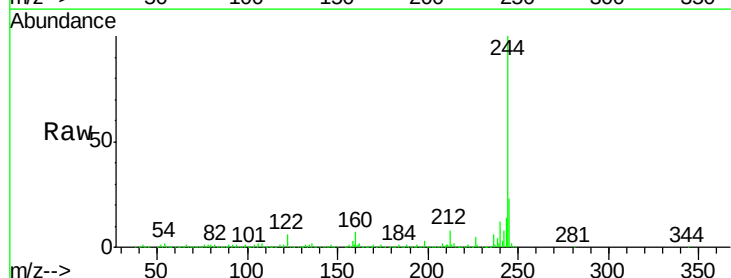
Tgt Ion:184 Resp: 24105

Ion Ratio Lower Upper

184 100

185 15.7 11.1 16.7

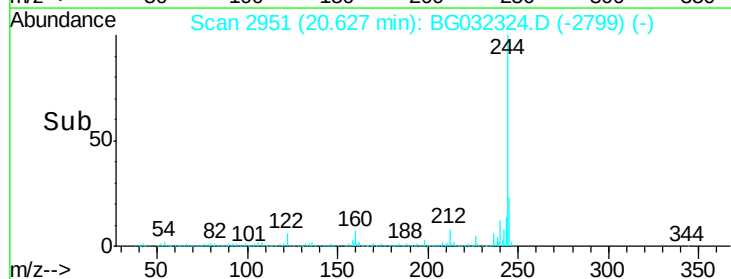
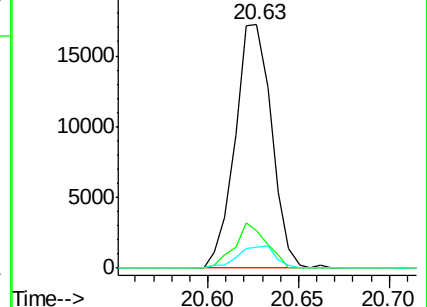
183 8.3 10.6 16.0#

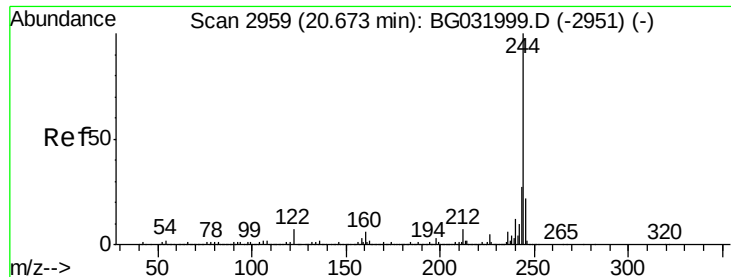


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 98.823 ng

RT: 20.63 min Scan# 2951

Delta R.T. -0.01 min

Lab File: BG032324.D

Acq: 26 Jan 2018 11:01

Instrument :

BNA_G

ClientSampleId :

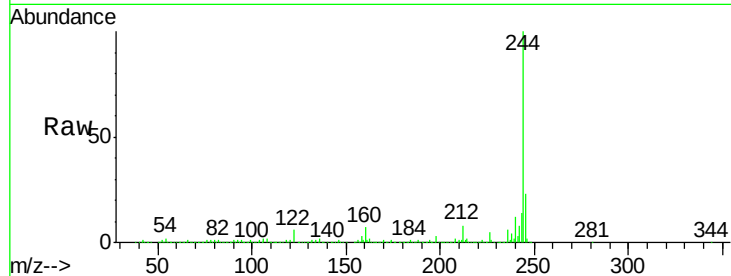
Tot Ion:244 Resp: 1669773

Ion Ratio Lower Upper

244 100

212 8.2 5.8 8.8

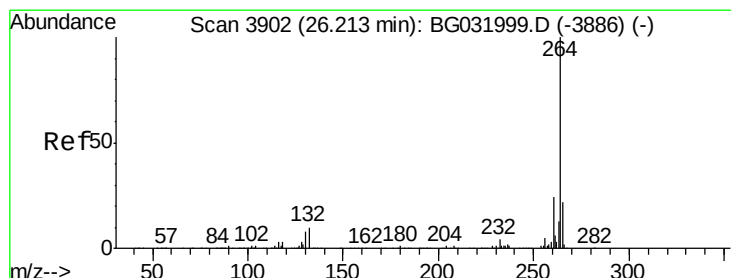
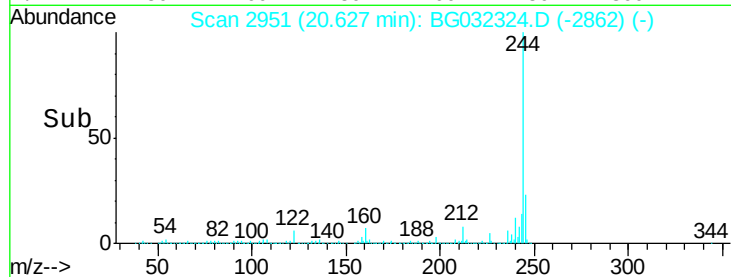
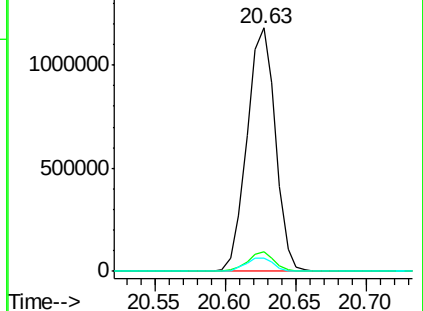
122 5.7 7.0 10.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 26.09 min Scan# 3881

Delta R.T. -0.02 min

Lab File: BG032324.D

Acq: 26 Jan 2018 11:01

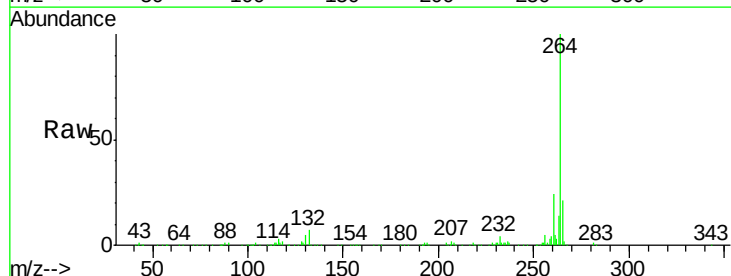
Tgt Ion:264 Resp: 389423

Ion Ratio Lower Upper

264 100

260 23.7 17.4 26.0

265 21.3 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

