

Data Path : U:\HPCHEM1\BNA G\DATA\BG012518\
 Data File : BG032306.D
 Acq On : 25 Jan 2018 23:02
 Operator : SJ/JU
 Sample : J1020-12
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 26 01:25:26 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	32805	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	132726	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	101984	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	302273	20.00	ng	0.00
75) Chrysene-d12	22.42	240	367559	20.00	ng	0.00
86) Perylene-d12	26.10	264	385910	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.15	112	249227	138.95	ng	0.00
7) Phenol-d6	7.83	99	299496	132.58	ng	0.00
23) Nitrobenzene-d5	9.92	82	213345	108.75	ng	0.00
41) 2,4,6-Tribromophenol	16.84	330	296987	175.98	ng	0.00
44) 2-Fluorobiphenyl	13.99	172	753078	91.56	ng	0.00
78) Terphenyl-d14	20.63	244	1695361	101.85	ng	0.00

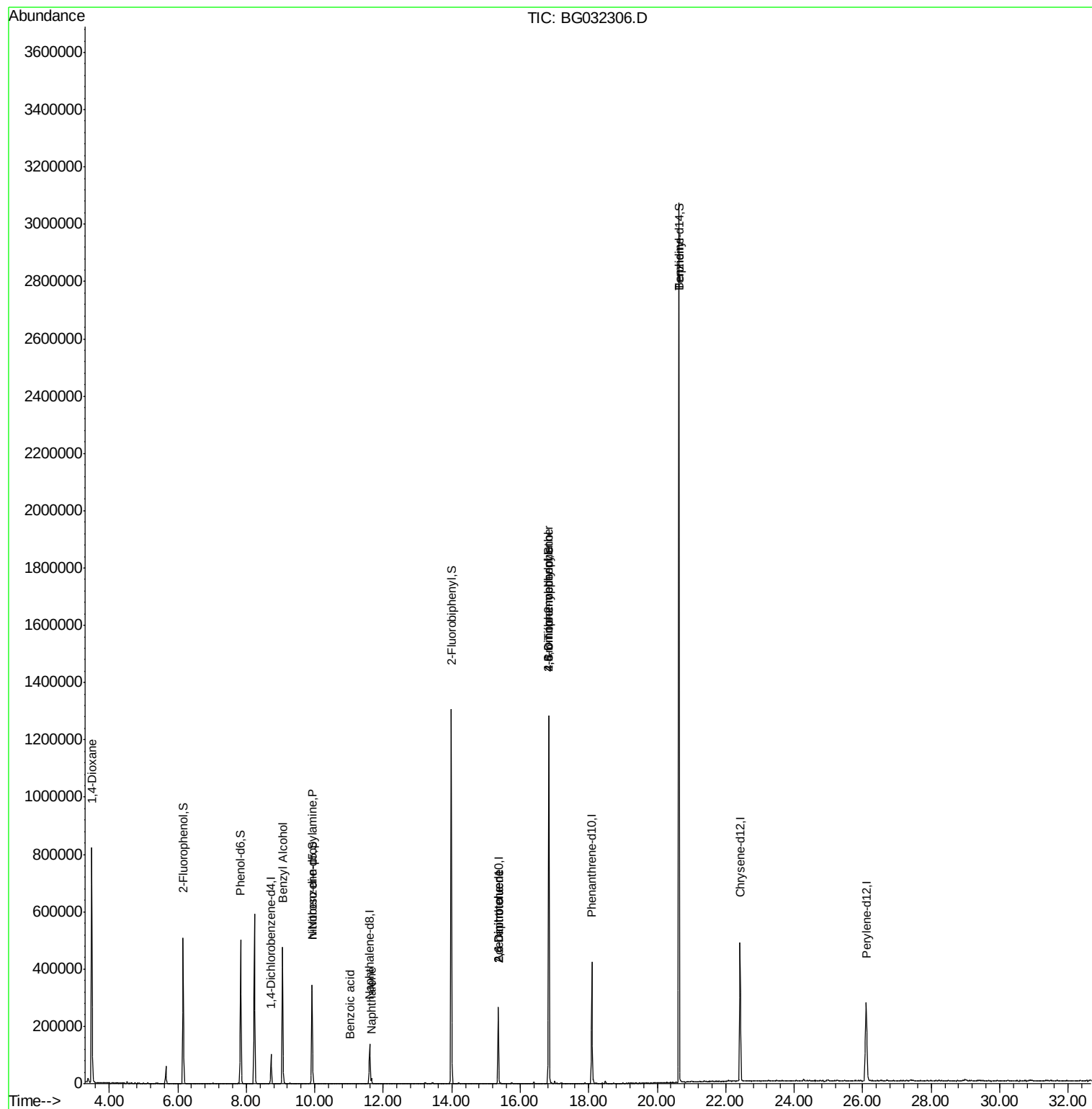
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.49	88	8992	13.049	ng	# 1
15) Benzyl Alcohol	9.06	79	4102	2.500	ng	# 38
19) n-Nitroso-di-n-propylamine	9.91	70	31326	22.350	ng	# 73
31) Naphthalene	11.65	128	14701	2.236	ng	# 93
32) Benzoic acid	11.04	122	53	5.288	ng	# 1
50) 2,6-Dinitrotoluene	15.36	165	12830	6.926	ng	# 18
56) 2,4-Dinitrotoluene	15.36	165	12830	5.144	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.84	198	704	5.211	ng	# 4
66) 4-Bromophenyl-phenylether	16.84	248	24666	5.735	ng	# 1
76) Benzidine	20.63	184	24351	2.649	ng	# 95

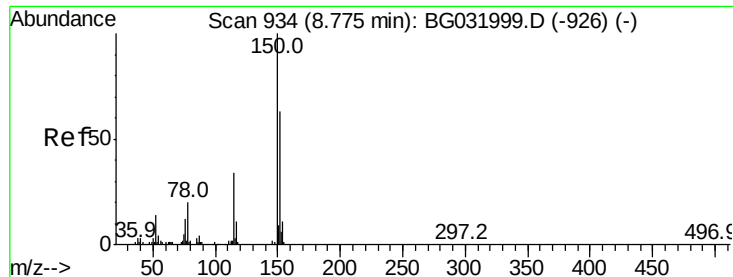
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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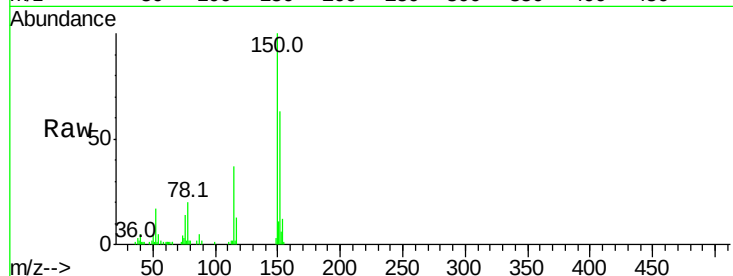


#1

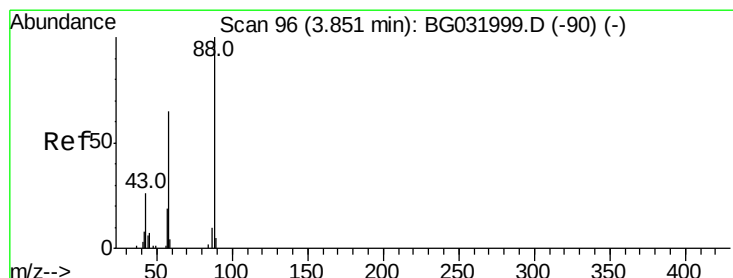
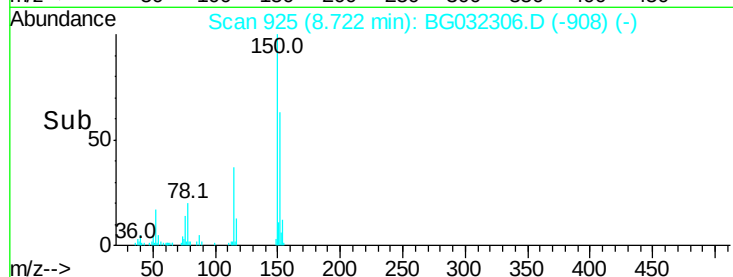
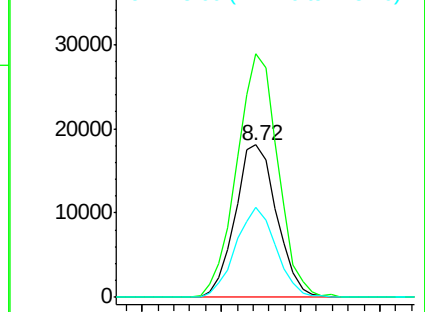
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.72 min Scan# 925
Delta R.T. -0.00 min
Lab File: BG032306.D
Acq: 25 Jan 2018 23:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.8	126.6	189.8
115	59.0	53.0	79.4



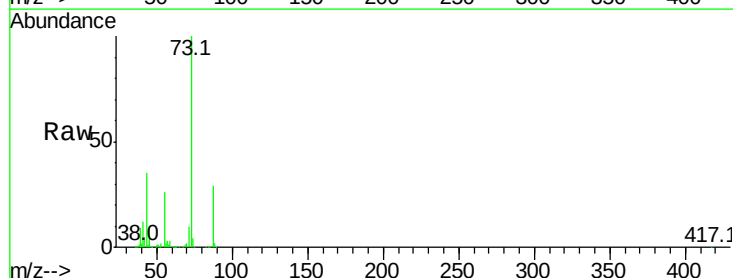
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



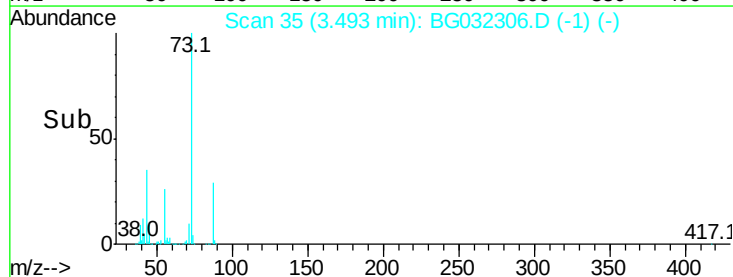
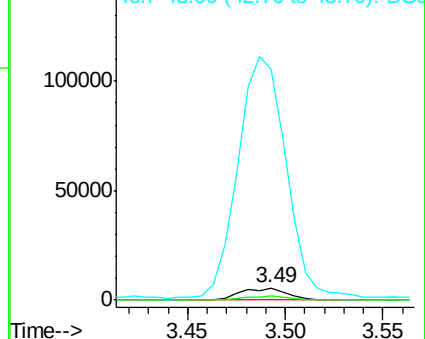
#2

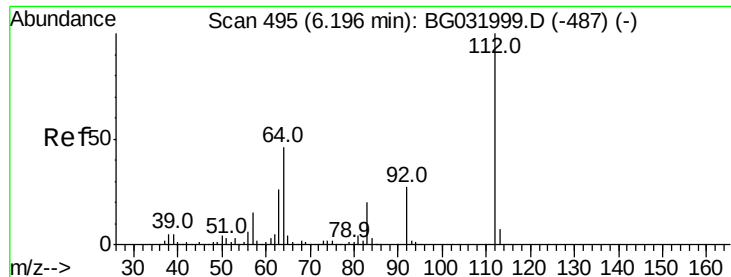
1,4-Dioxane
Concen: 13.049 ng
RT: 3.49 min Scan# 35
Delta R.T. -0.33 min
Lab File: BG032306.D
Acq: 25 Jan 2018 23:02

Tgt Ion	Ratio	Lower	Upper
88	100		
58	35.2	79.6	119.4#
43	2095.1	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: 138.948 ng

RT: 6.15 min Scan# 488

Delta R.T. -0.00 min

Lab File: BG032306.D

Acq: 25 Jan 2018 23:02

Instrument :

BNA_G

ClientSampled :

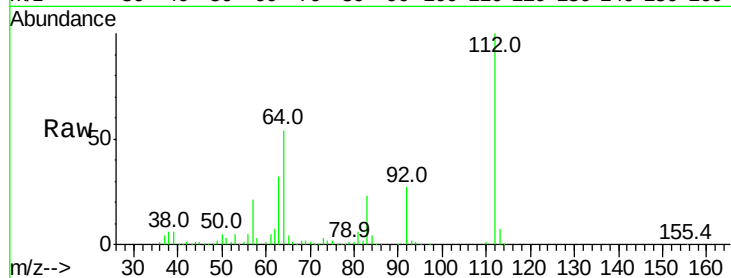
Tot Ion:112 Resp: 249227

Ion Ratio Lower Upper

112 100

64 53.7 56.3 84.5#

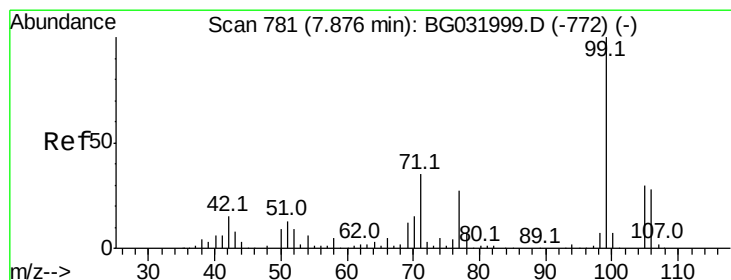
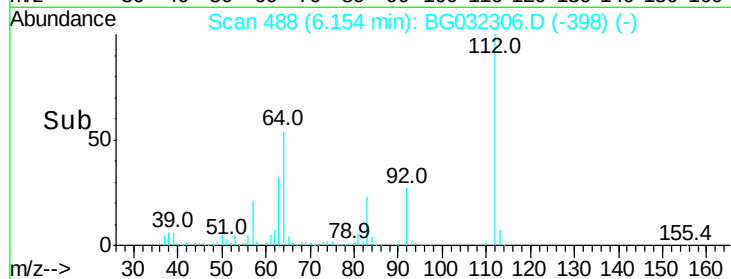
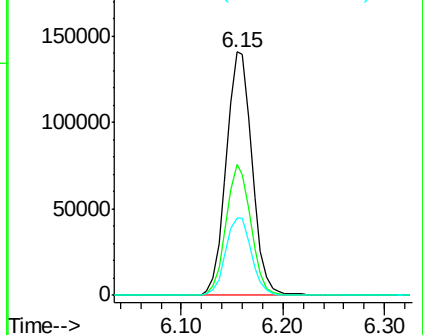
63 31.8 30.1 45.1



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: 132.578 ng

RT: 7.83 min Scan# 774

Delta R.T. -0.00 min

Lab File: BG032306.D

Acq: 25 Jan 2018 23:02

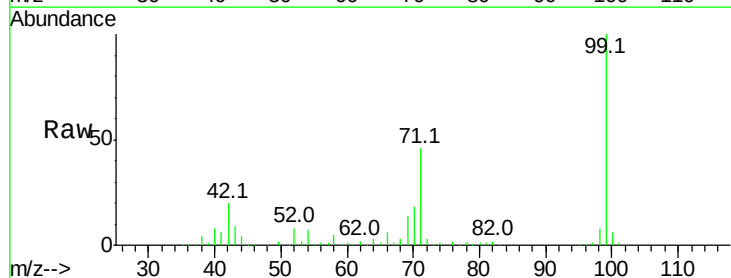
Tgt Ion: 99 Resp: 299496

Ion Ratio Lower Upper

99 100

42 19.7 14.1 21.1

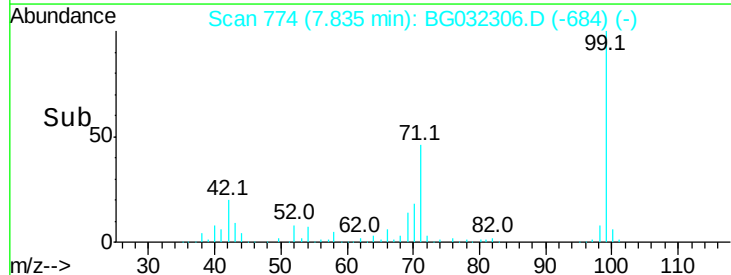
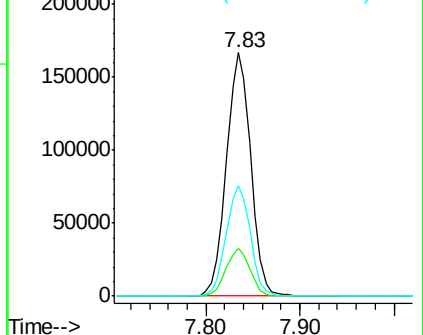
71 45.6 26.1 39.1#

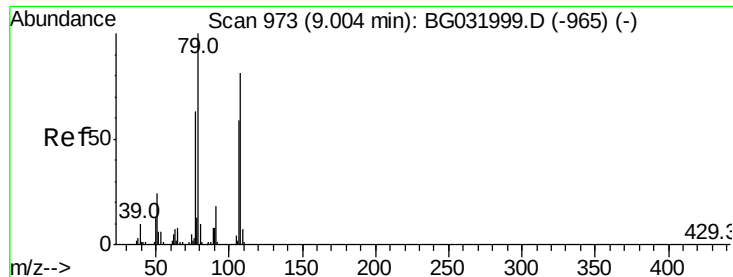


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.500 ng

RT: 9.06 min Scan# 983

Delta R.T. 0.10 min

Lab File: BG032306.D

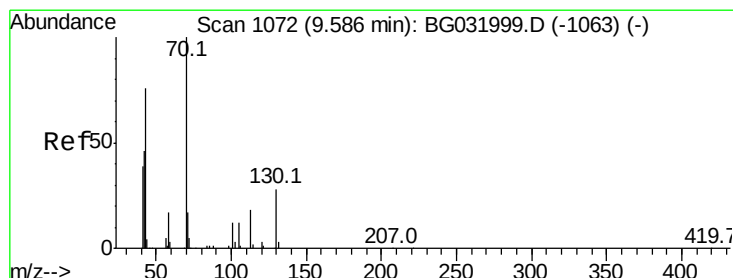
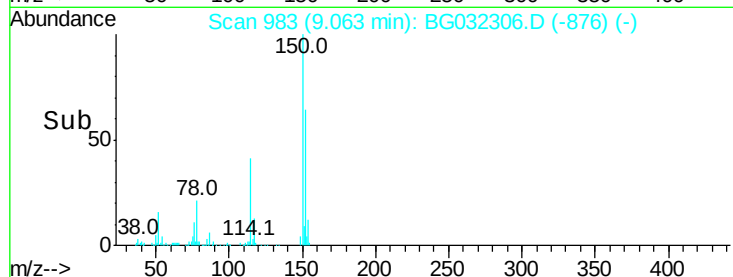
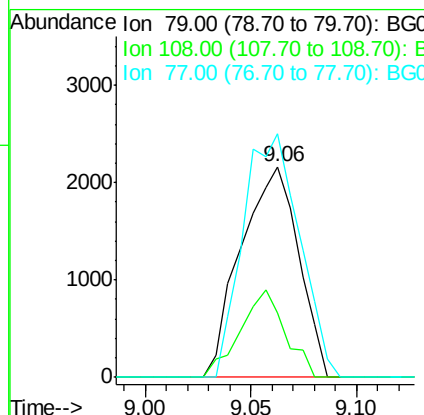
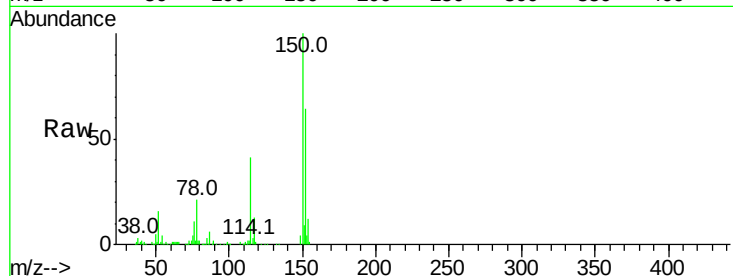
Acq: 25 Jan 2018 23:02

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	79	Resp:	4102
Ion	Ratio	Lower	Upper
79	100		
108	30.9	57.2	85.8#
77	115.6	46.1	69.1#



#19

n-Nitroso-di-n-propylamine

Concen: 22.350 ng

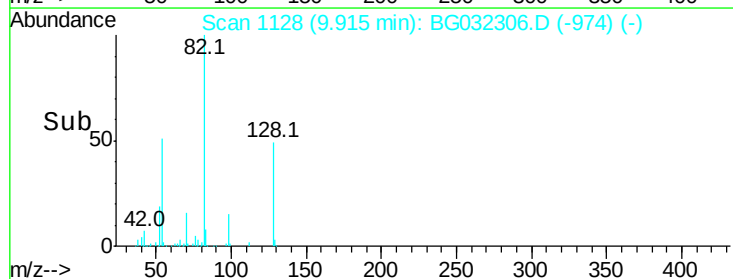
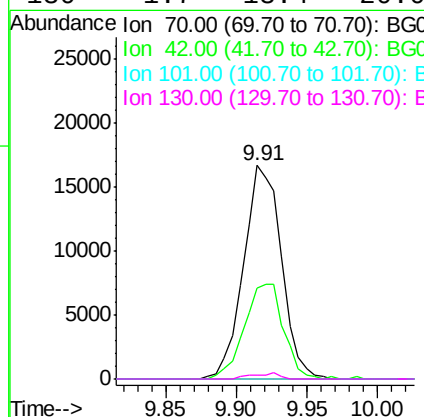
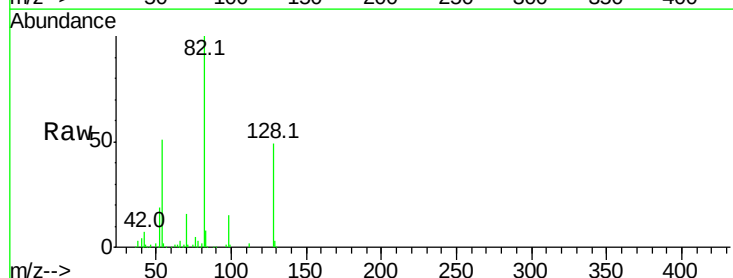
RT: 9.91 min Scan# 1128

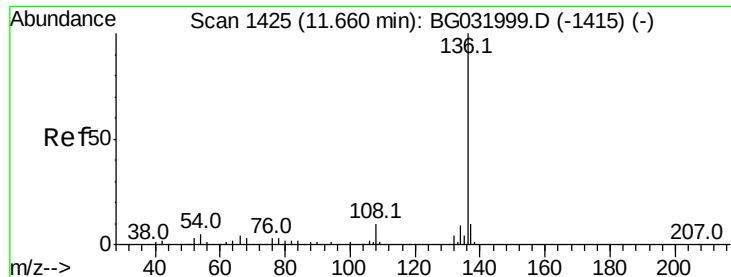
Delta R.T. 0.37 min

Lab File: BG032306.D

Acq: 25 Jan 2018 23:02

Tgt Ion:	70	Resp:	31326
Ion	Ratio	Lower	Upper
70	100		
42	42.6	49.1	73.7#
101	0.0	8.5	12.7#
130	1.7	13.4	20.0#

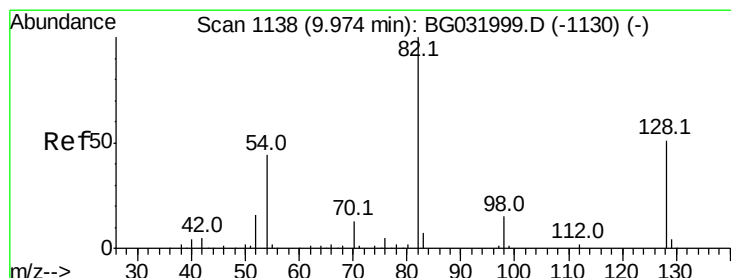
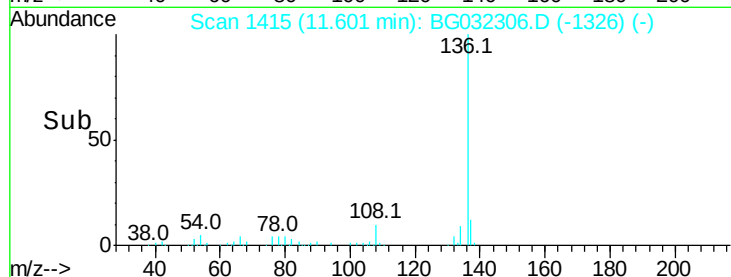
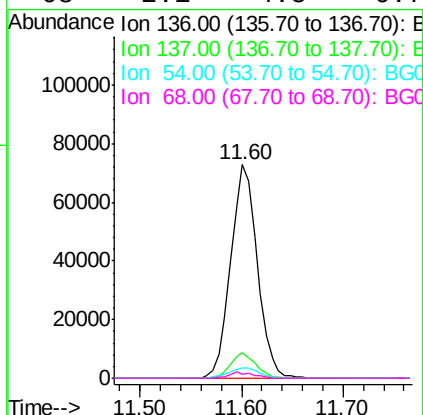
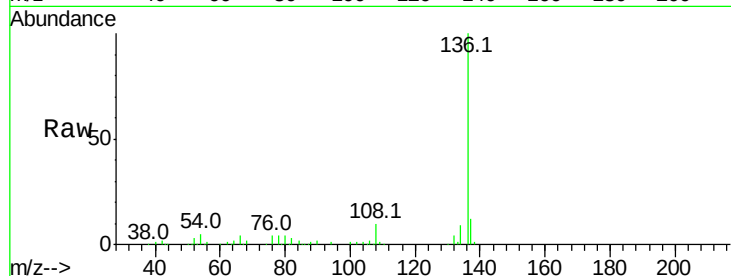




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BG032306.D
Acq: 25 Jan 2018 23:02

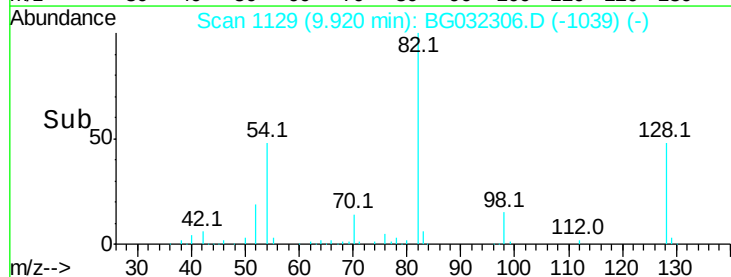
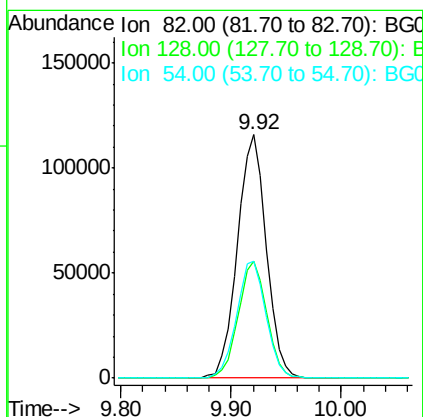
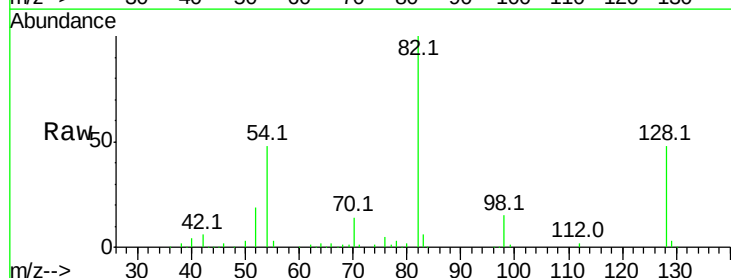
Instrument :
BNA_G
ClientSampleId :

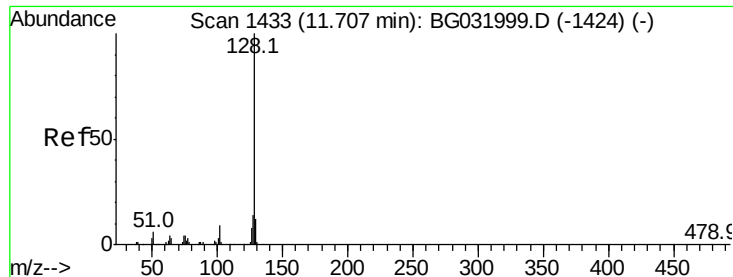
Tot Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.2	13.8
54	4.9	10.3	15.5#
68	2.1	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 108.748 ng
RT: 9.92 min Scan# 1129
Delta R.T. -0.00 min
Lab File: BG032306.D
Acq: 25 Jan 2018 23:02

Tgt Ion	Ratio	Lower	Upper
82	100		
128	48.0	29.7	44.5#
54	48.0	43.1	64.7

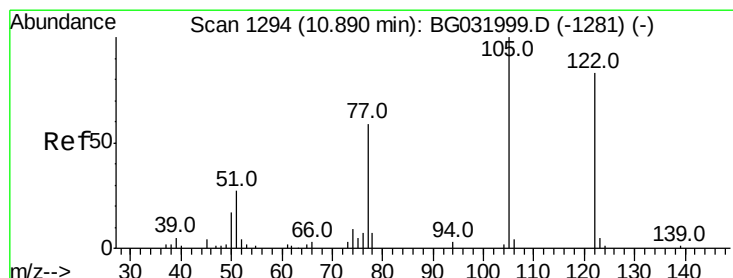
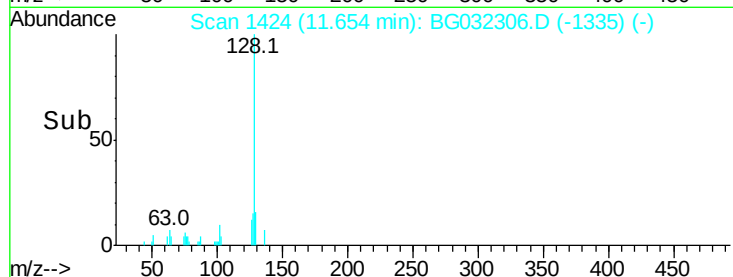
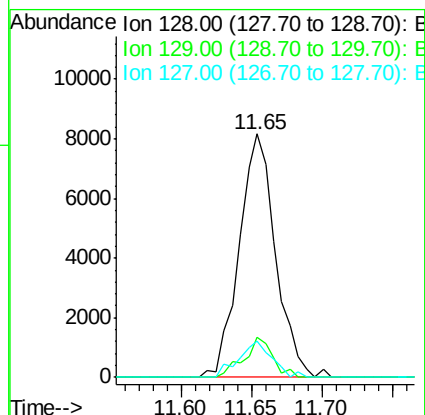
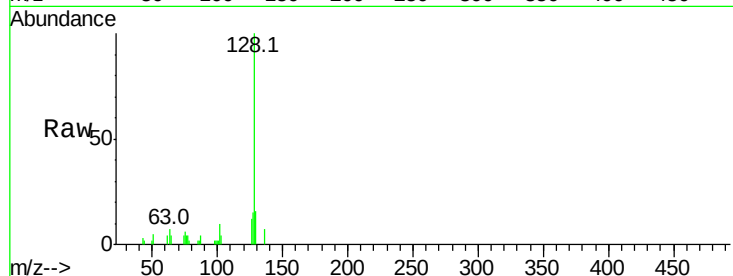




#31
Naphthalene
Concen: 2.236 ng
RT: 11.65 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BG032306.D
Acq: 25 Jan 2018 23:02

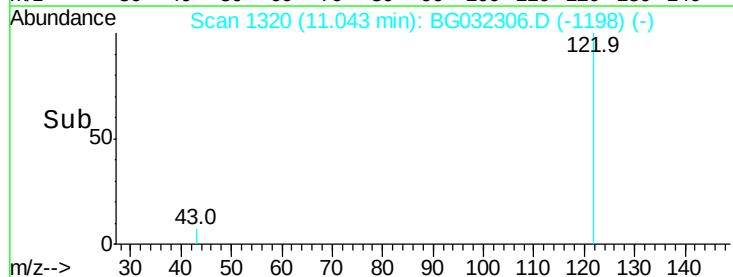
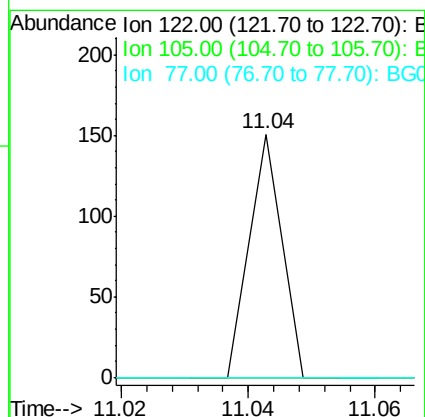
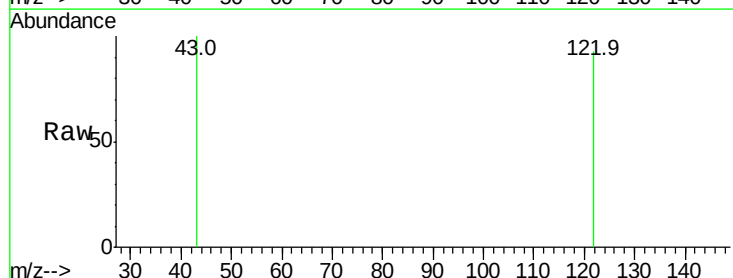
Instrument :
BNA_G
ClientSampleId :

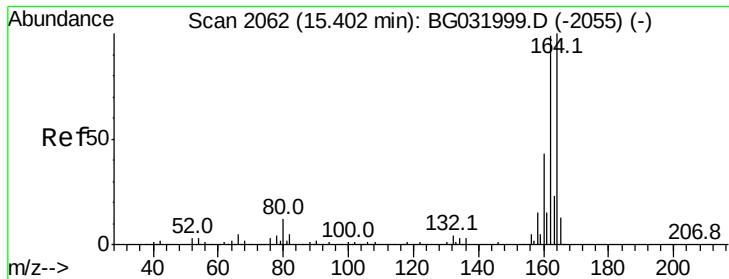
Tot Ion:128 Resp: 14701
Ion Ratio Lower Upper
128 100
129 16.3 8.6 12.8#
127 14.8 11.6 17.4



#32
Benzoic acid
Concen: 5.288 ng
RT: 11.04 min Scan# 1320
Delta R.T. 0.19 min
Lab File: BG032306.D
Acq: 25 Jan 2018 23:02

Tgt Ion:122 Resp: 53
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 0.0 85.7 125.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.36 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BG032306.D

Acq: 25 Jan 2018 23:02

Instrument :

BNA_G

ClientSampleId :

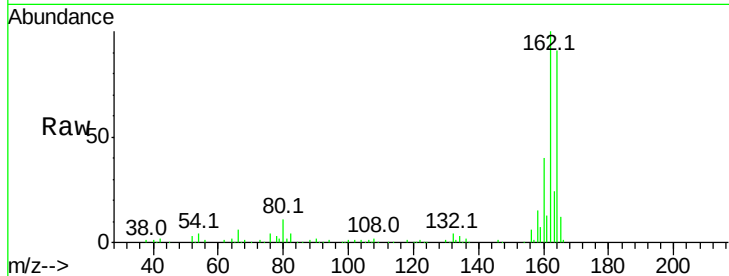
Tot Ion:164 Resp: 101984

Ion Ratio Lower Upper

164 100

162 110.0 78.8 118.2

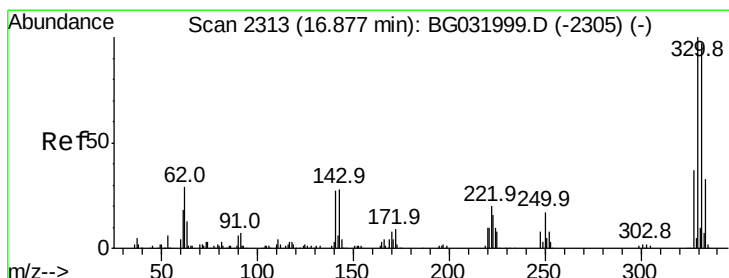
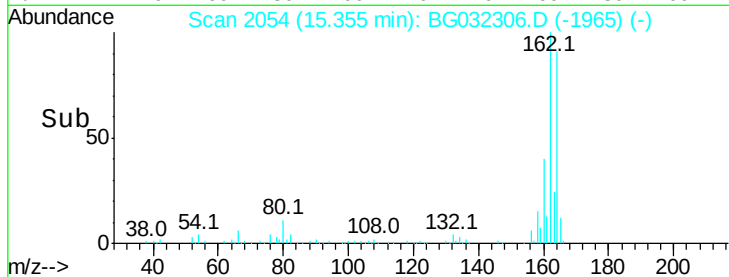
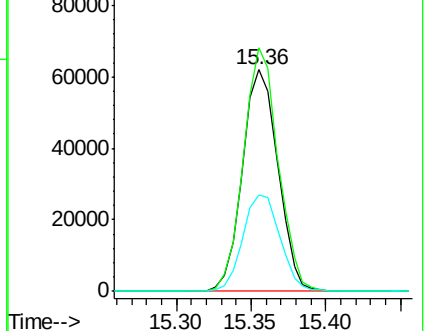
160 43.7 35.4 53.0



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: 175.982 ng

RT: 16.84 min Scan# 2306

Delta R.T. -0.00 min

Lab File: BG032306.D

Acq: 25 Jan 2018 23:02

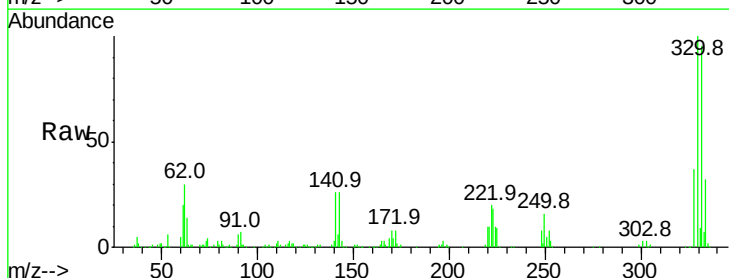
Tgt Ion:330 Resp: 296987

Ion Ratio Lower Upper

330 100

332 96.1 77.0 115.6

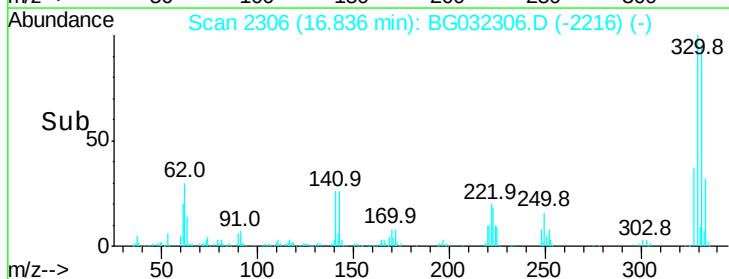
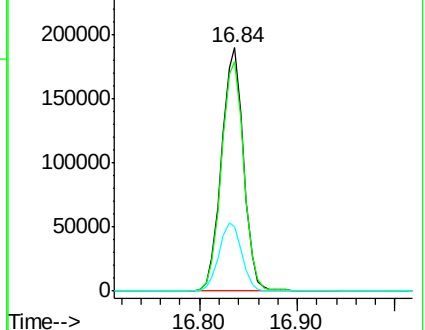
141 28.8 25.2 37.8

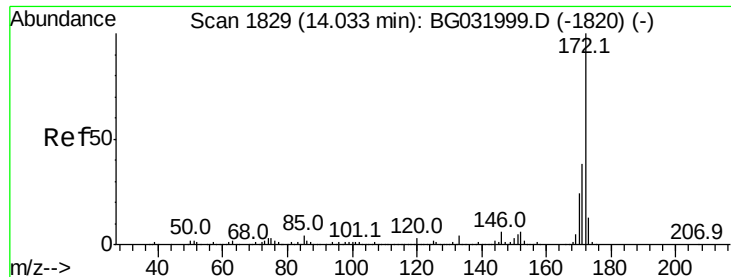


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

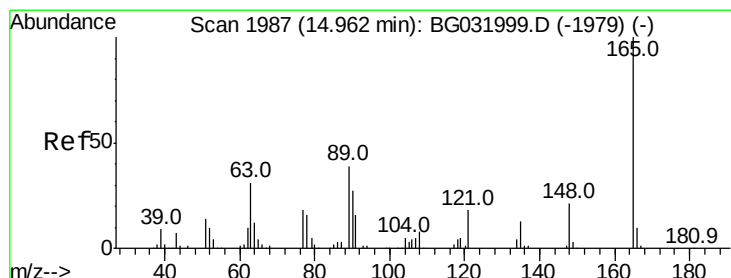
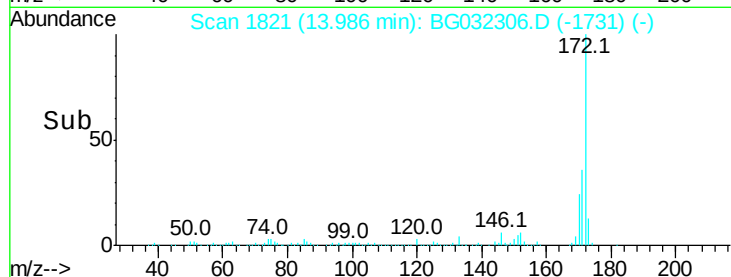
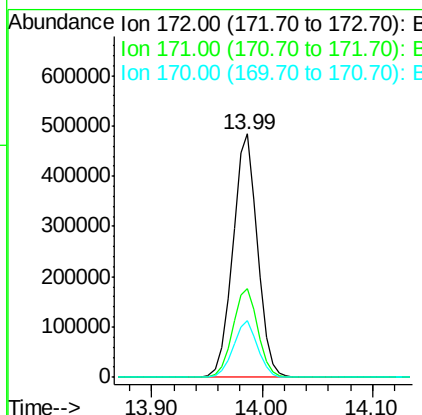
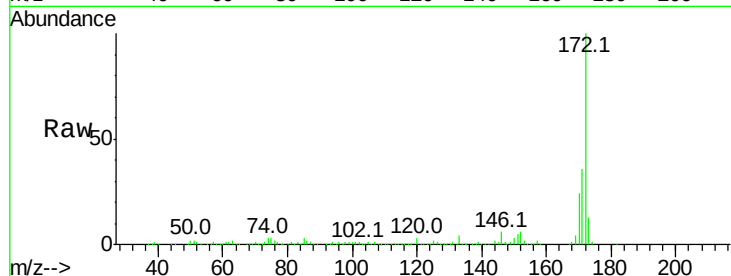




#44
2-Fluorobiphenyl
Concen: 91.561 ng
RT: 13.99 min Scan# 1821
Delta R.T. -0.00 min
Lab File: BG032306.D
Acq: 25 Jan 2018 23:02

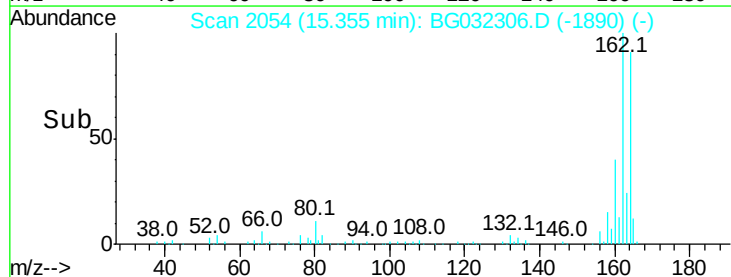
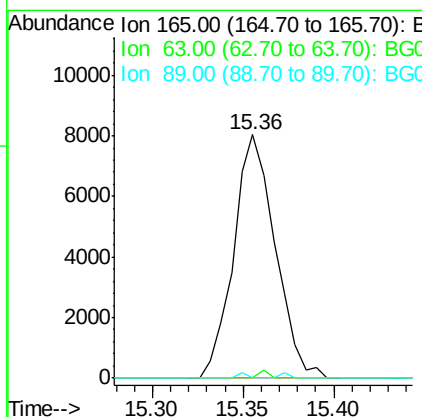
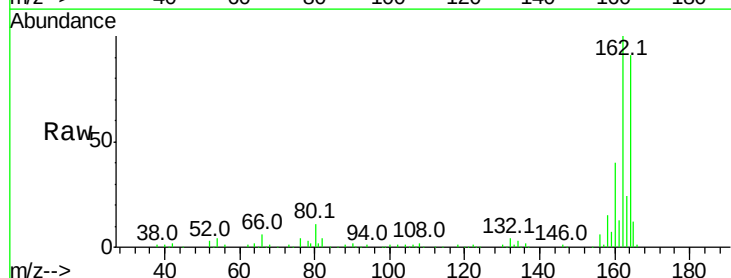
Instrument :
BNA_G
ClientSampleId :

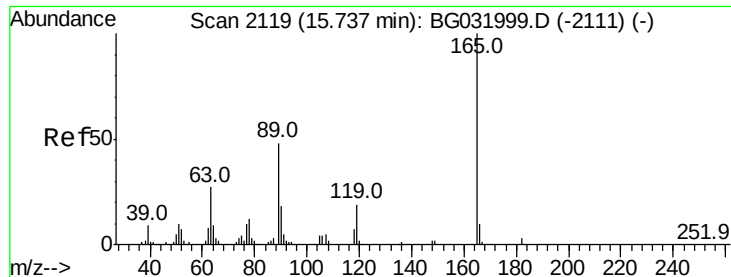
Tot Ion:172 Resp: 753078
Ion Ratio Lower Upper
172 100
171 36.3 30.0 45.0
170 23.5 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 6.926 ng
RT: 15.36 min Scan# 2054
Delta R.T. 0.43 min
Lab File: BG032306.D
Acq: 25 Jan 2018 23:02

Tgt Ion:165 Resp: 12830
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#

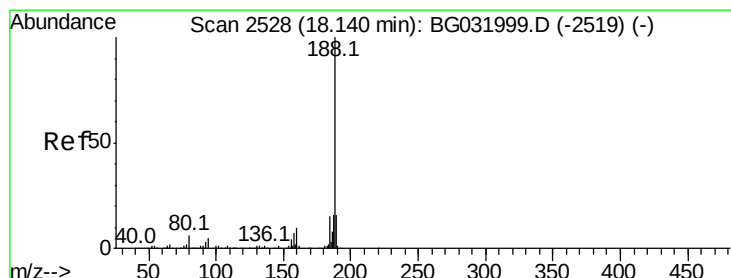
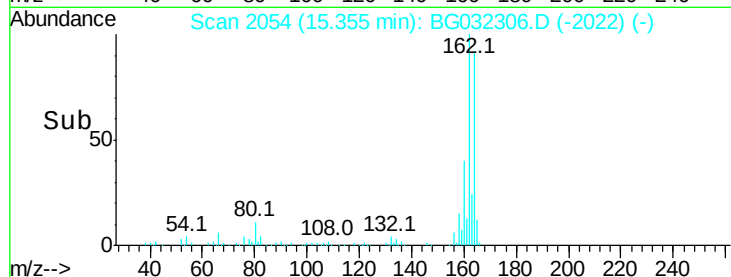
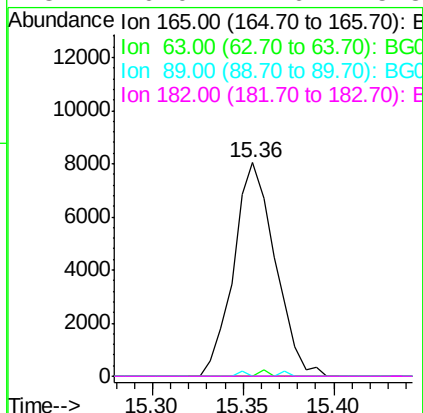
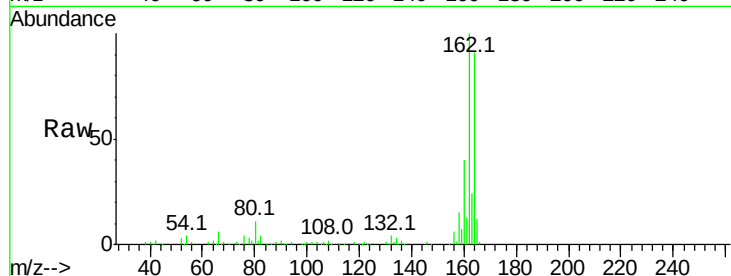




#56
 2,4-Dinitrotoluene
 Concen: 5.144 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. -0.34 min
 Lab File: BG032306.D
 Acq: 25 Jan 2018 23:02

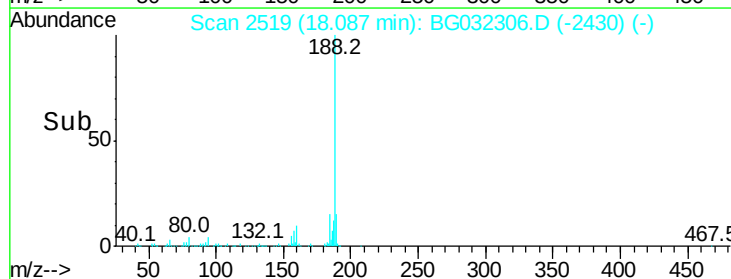
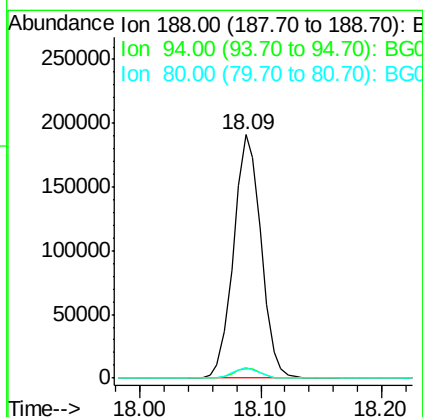
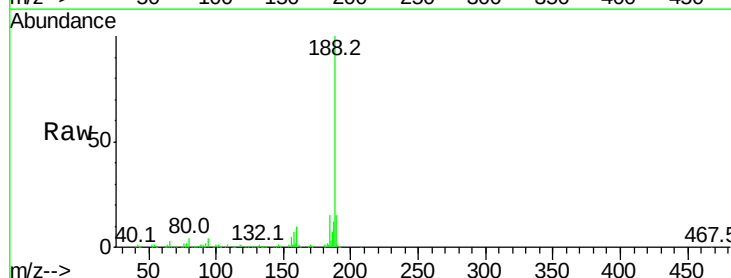
Instrument :
 BNA_G
 ClientSampleId :

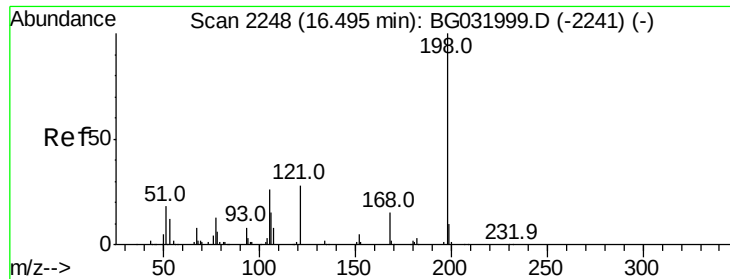
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.09 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BG032306.D
 Acq: 25 Jan 2018 23:02

Tgt Ion	Ratio	Lower	Upper
188	100		
94	3.8	6.9	10.3#
80	4.2	7.7	11.5#

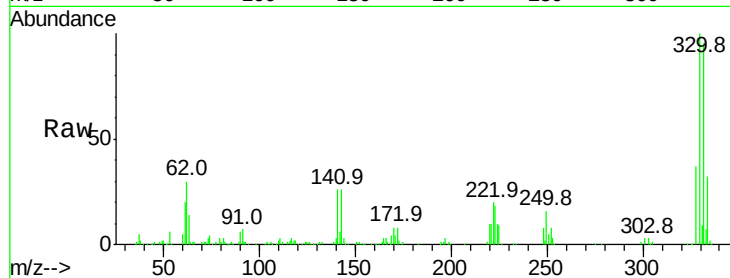




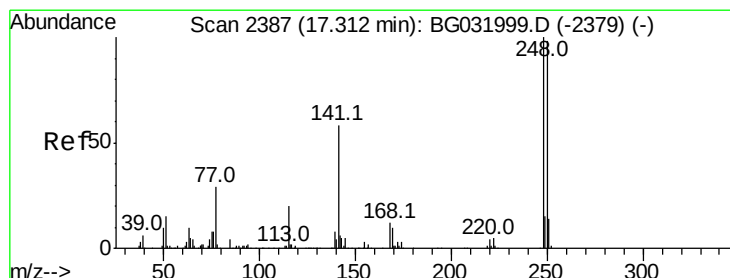
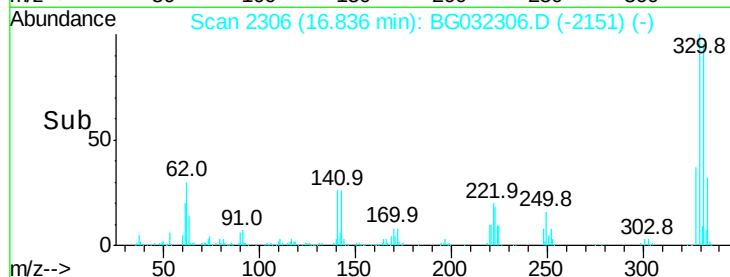
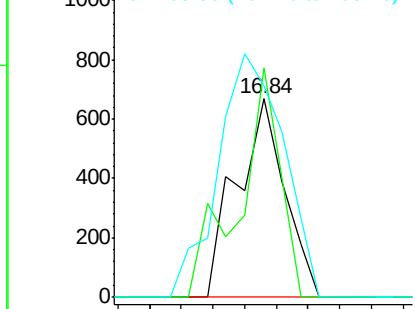
#64
4,6-Dinitro-2-methylphenol
Concen: 5.211 ng
RT: 16.84 min Scan# 2306
Delta R.T. 0.38 min
Lab File: BG032306.D
Acq: 25 Jan 2018 23:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion:198 Resp: 704
Ion Ratio Lower Upper
198 100
51 115.7 30.6 70.6#
105 106.7 23.8 63.8#

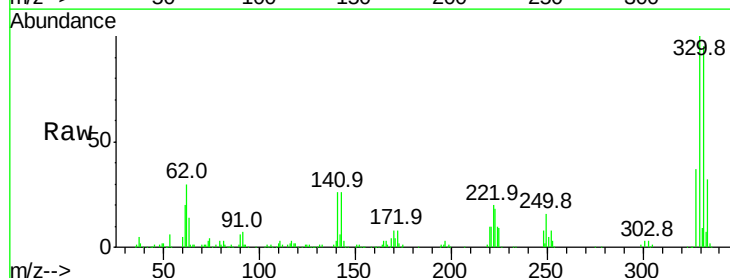


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BGC
Ion 105.00 (104.70 to 105.70): E

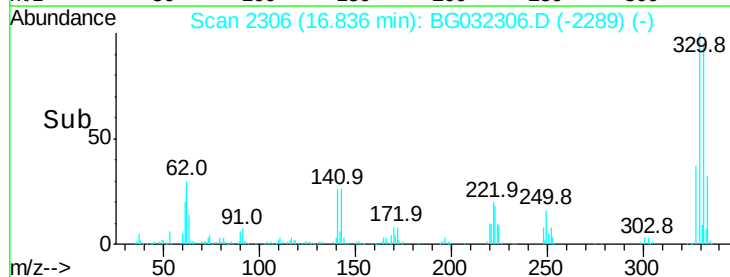
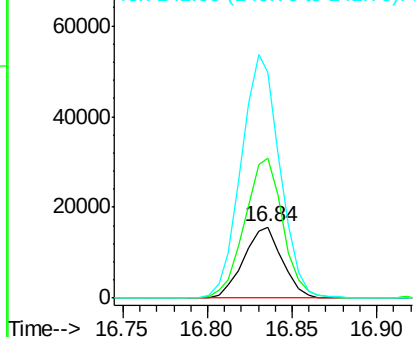


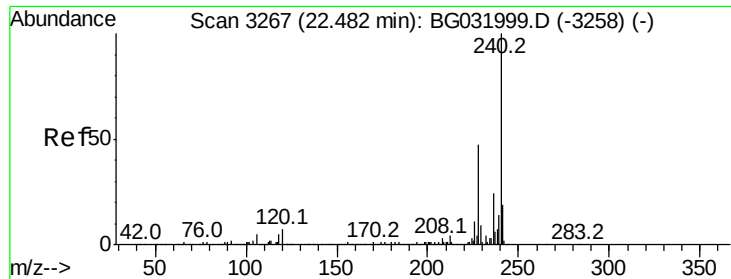
#66
4-Bromophenyl-phenylether
Concen: 5.735 ng
RT: 16.84 min Scan# 2306
Delta R.T. -0.43 min
Lab File: BG032306.D
Acq: 25 Jan 2018 23:02

Tgt Ion:248 Resp: 24666
Ion Ratio Lower Upper
248 100
250 198.2 77.1 115.7#
141 318.5 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: 22.42 min Scan# 3256

Delta R.T. -0.01 min

Lab File: BG032306.D

Acq: 25 Jan 2018 23:02

Instrument :

BNA_G

ClientSampleId :

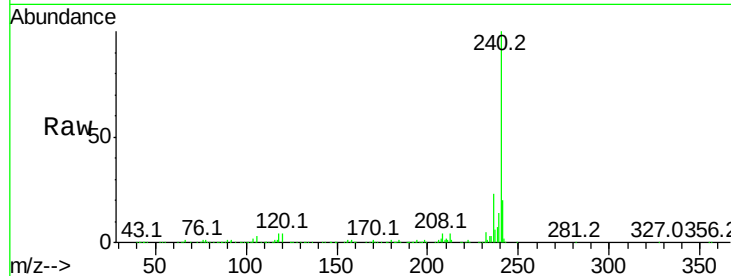
Tot Ion:240 Resp: 367559

Ion Ratio Lower Upper

240 100

120 4.5 6.8 10.2#

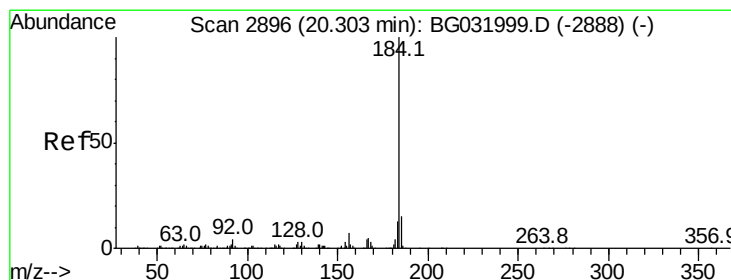
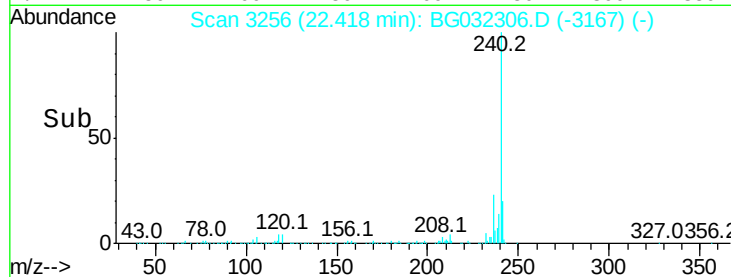
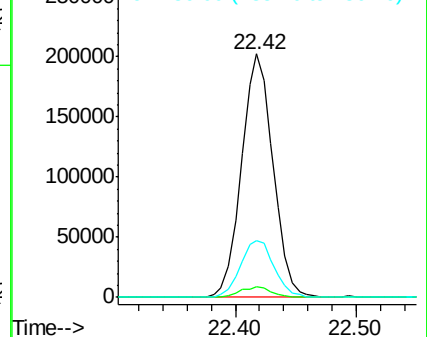
236 23.2 20.9 31.3



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: 2.649 ng

RT: 20.63 min Scan# 2951

Delta R.T. 0.36 min

Lab File: BG032306.D

Acq: 25 Jan 2018 23:02

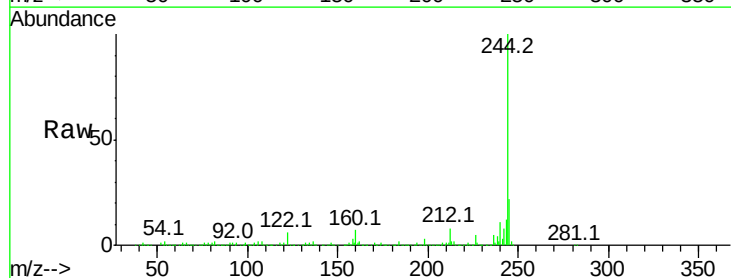
Tgt Ion:184 Resp: 24351

Ion Ratio Lower Upper

184 100

185 15.0 11.1 16.7

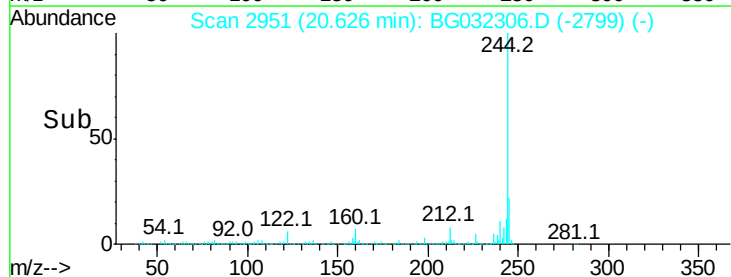
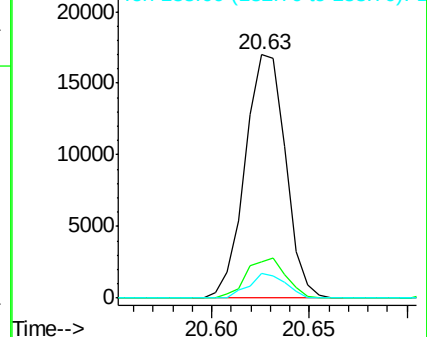
183 10.2 10.6 16.0#

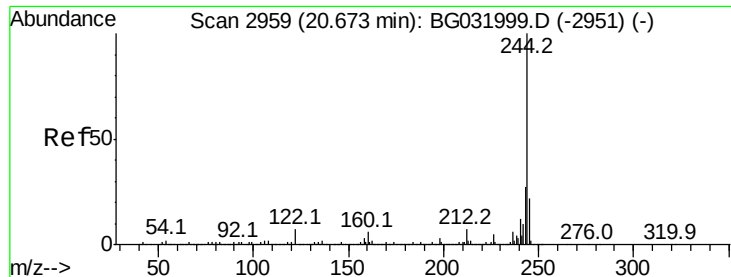


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 101.846 ng

RT: 20.63 min Scan# 2952

Delta R.T. -0.00 min

Lab File: BG032306.D

Acq: 25 Jan 2018 23:02

Instrument :

BNA_G

ClientSampleId :

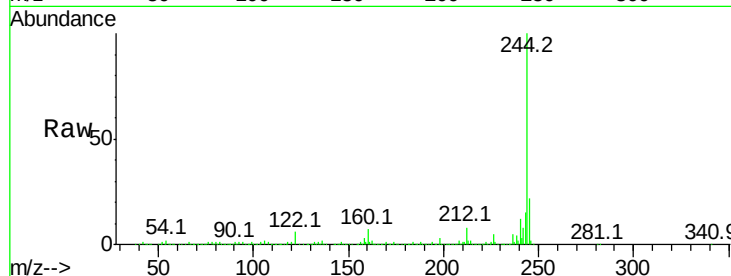
Tot Ion:244 Resp: 1695361

Ion Ratio Lower Upper

244 100

212 8.0 5.8 8.8

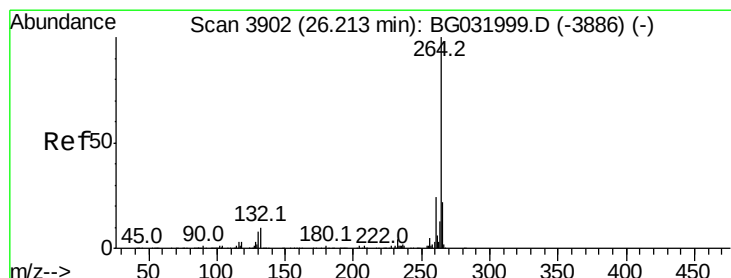
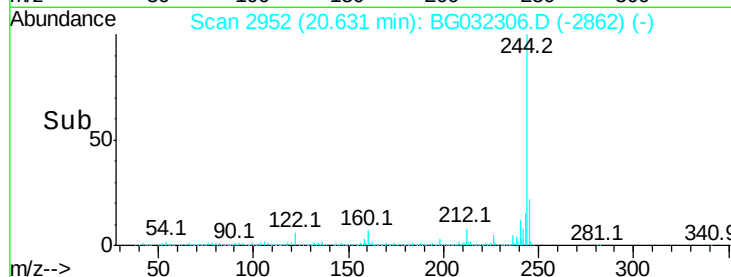
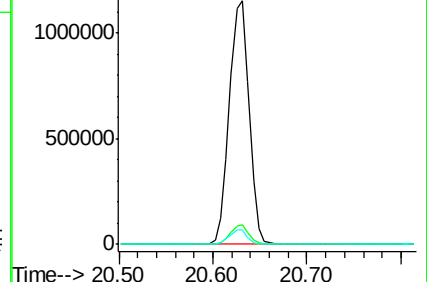
122 5.8 7.0 10.4#



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: 26.10 min Scan# 3882

Delta R.T. -0.01 min

Lab File: BG032306.D

Acq: 25 Jan 2018 23:02

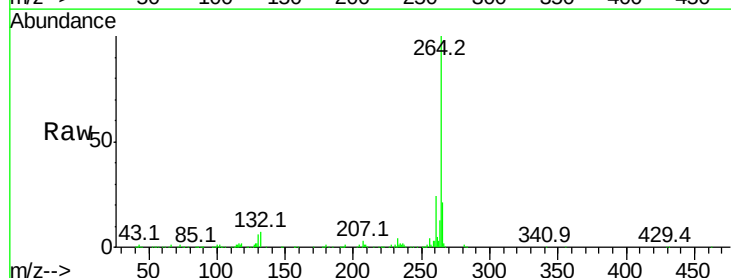
Tgt Ion:264 Resp: 385910

Ion Ratio Lower Upper

264 100

260 23.8 17.4 26.0

265 20.9 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

