

Data Path : U:\HPCHEM1\BNA G\DATA\BG012518\
 Data File : BG032309.D
 Acq On : 26 Jan 2018 00:56
 Operator : SJ/JU
 Sample : J1289-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 26 03:13:29 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	32643	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	129934	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	102899	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	299480	20.00	ng	0.00
75) Chrysene-d12	22.42	240	362893	20.00	ng	0.00
86) Perylene-d12	26.10	264	391624	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	248499	139.23	ng	0.00
7) Phenol-d6	7.84	99	318264	141.59	ng	0.00
23) Nitrobenzene-d5	9.92	82	196409	102.27	ng	0.00
41) 2,4,6-Tribromophenol	16.84	330	279742	164.29	ng	0.00
44) 2-Fluorobiphenyl	13.98	172	709059	85.44	ng	0.00
78) Terphenyl-d14	20.63	244	1521870	92.60	ng	0.00

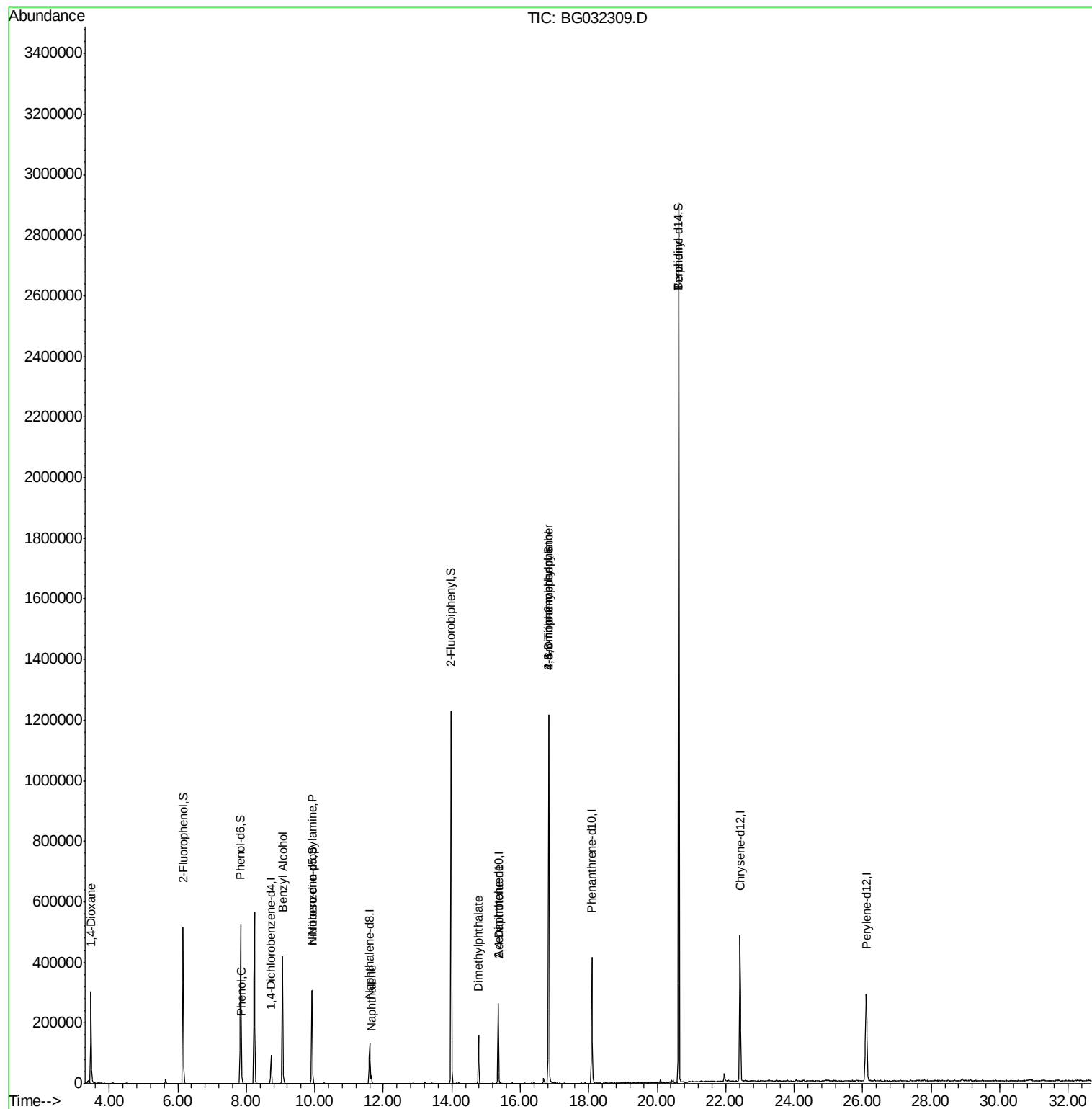
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.47	88	3023	4.409	ng	# 1
10) Phenol	7.87	94	11204	5.060	ng	# 87
15) Benzyl Alcohol	9.06	79	3470	2.125	ng	# 13
19) n-Nitroso-di-n-propylamine	9.92	70	28001	20.077	ng	# 78
31) Naphthalene	11.65	128	26404	4.102	ng	# 98
49) Dimethylphthalate	14.78	163	117475	13.046	ng	# 95
56) 2,4-Dinitrotoluene	15.36	165	14043	5.581	ng	# 20
64) 4,6-Dinitro-2-methylphenol	16.83	198	732	5.227	ng	# 1
66) 4-Bromophenyl-phenylether	16.84	248	23209	5.447	ng	# 1
76) Benzidine	20.63	184	21644	2.385	ng	# 91

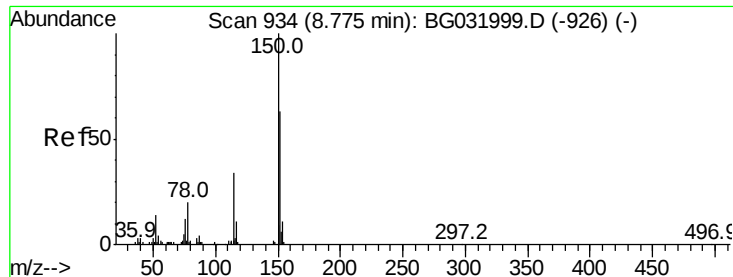
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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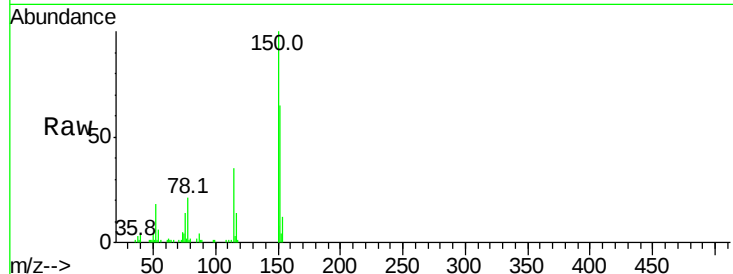


#1

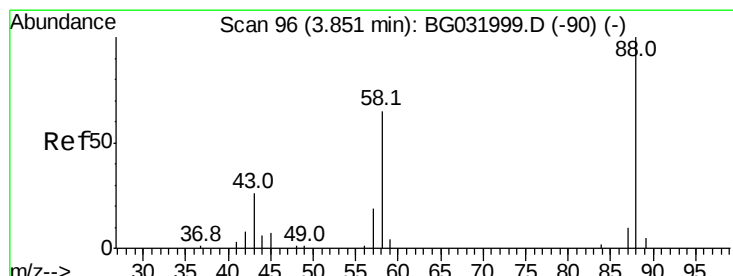
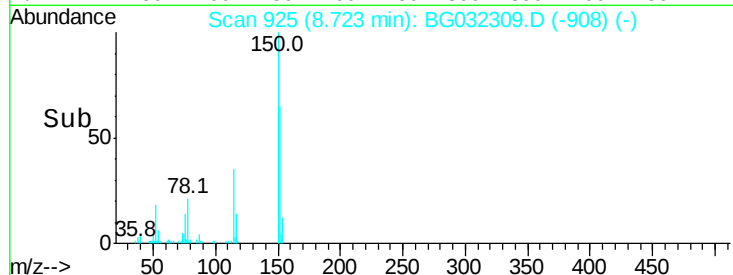
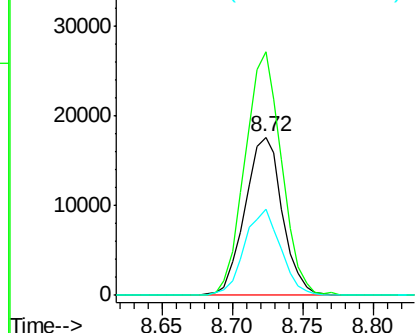
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.72 min Scan# 925
Delta R.T. 0.00 min
Lab File: BG032309.D
Acq: 26 Jan 2018 00:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 32643
Ion Ratio Lower Upper
152 100
150 154.0 126.6 189.8
115 54.5 53.0 79.4



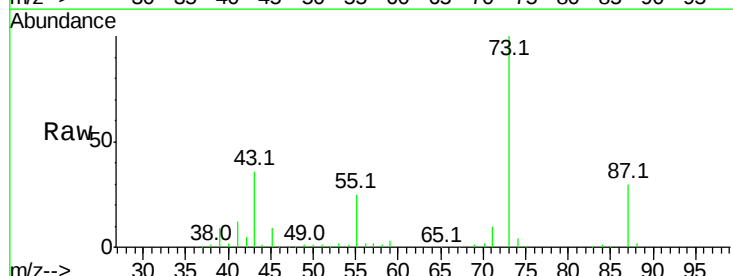
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



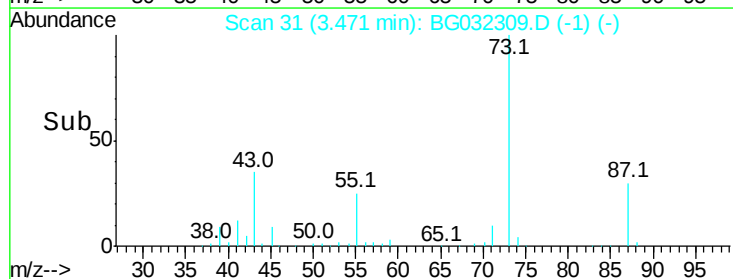
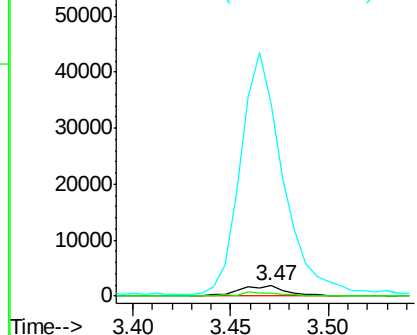
#2

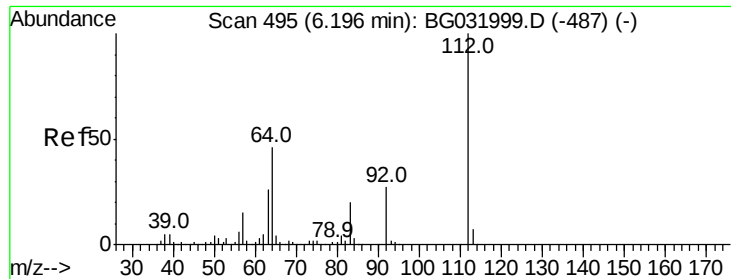
1,4-Dioxane
Concen: 4.409 ng
RT: 3.47 min Scan# 31
Delta R.T. -0.35 min
Lab File: BG032309.D
Acq: 26 Jan 2018 00:56

Tgt Ion: 88 Resp: 3023
Ion Ratio Lower Upper
88 100
58 36.3 79.6 119.4#
43 2170.0 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: 139.230 ng

RT: 6.16 min Scan# 488

Delta R.T. 0.00 min

Lab File: BG032309.D

Acq: 26 Jan 2018 00:56

Instrument :

BNA_G

ClientSampled :

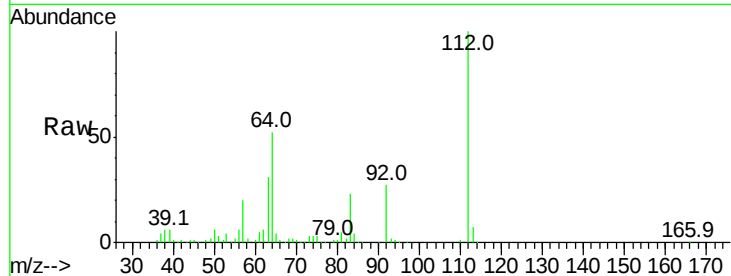
Tot Ion:112 Resp: 248499

Ion Ratio Lower Upper

112 100

64 52.4 56.3 84.5#

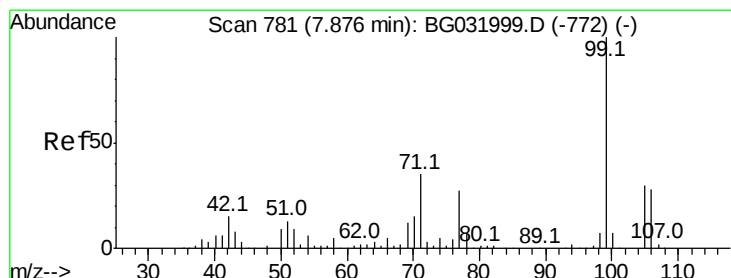
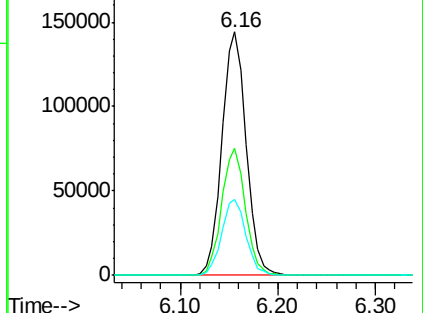
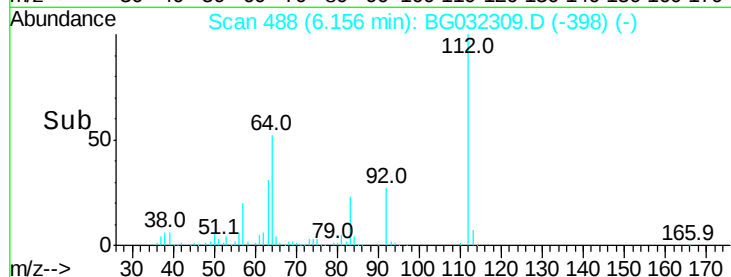
63 31.0 30.1 45.1



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: 141.585 ng

RT: 7.84 min Scan# 774

Delta R.T. 0.00 min

Lab File: BG032309.D

Acq: 26 Jan 2018 00:56

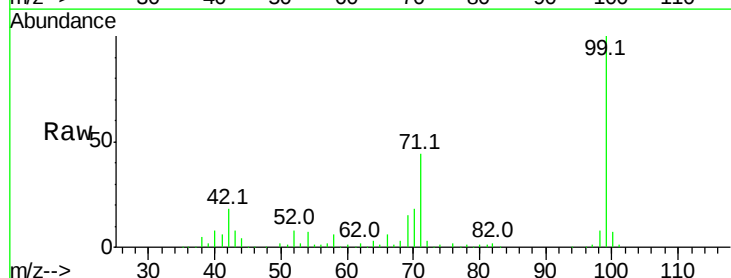
Tgt Ion: 99 Resp: 318264

Ion Ratio Lower Upper

99 100

42 18.4 14.1 21.1

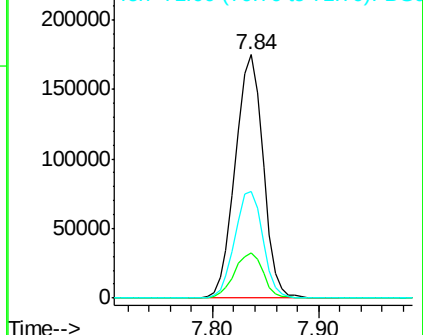
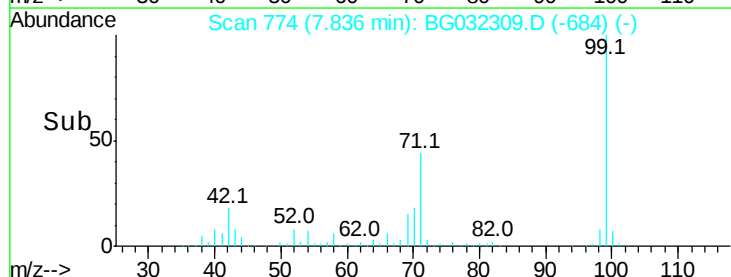
71 43.8 26.1 39.1#

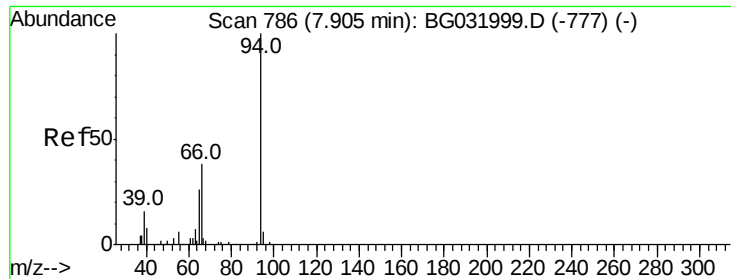


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 5.060 ng

RT: 7.87 min Scan# 779

Delta R.T. 0.00 min

Lab File: BG032309.D

Acq: 26 Jan 2018 00:56

Instrument :

BNA_G

ClientSampled :

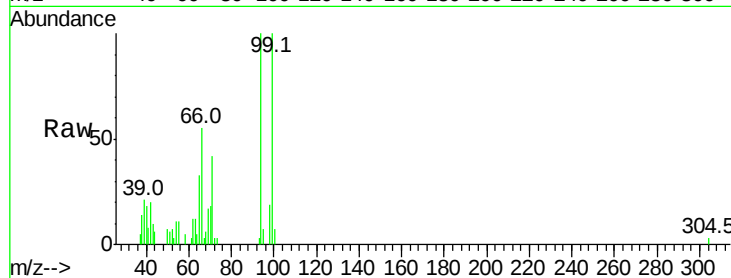
Tot Ion: 94 Resp: 11204

Ion Ratio Lower Upper

94 100

65 32.8 11.9 51.9

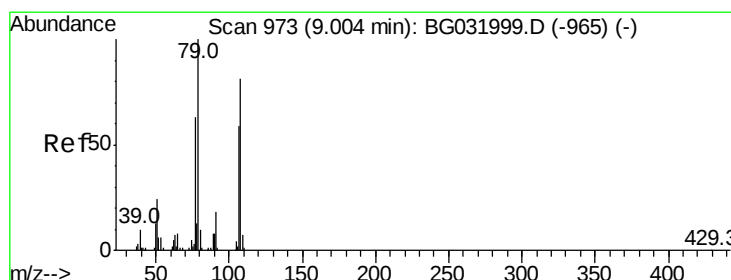
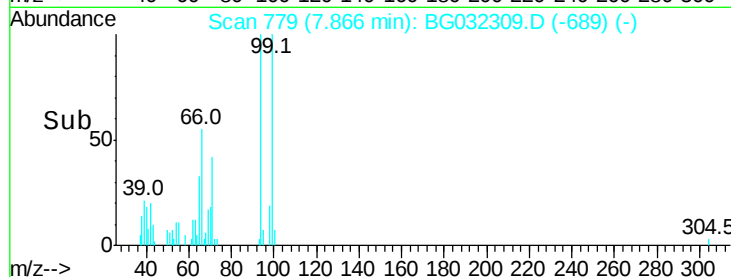
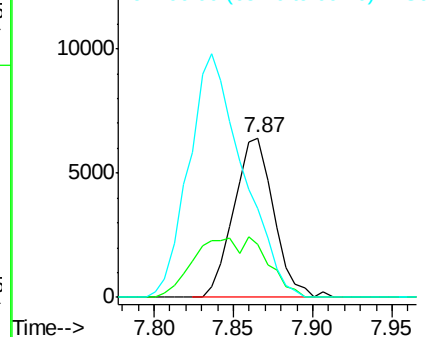
66 55.5 22.2 62.2



Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC



#15

Benzyl Alcohol

Concen: 2.125 ng

RT: 9.06 min Scan# 982

Delta R.T. 0.09 min

Lab File: BG032309.D

Acq: 26 Jan 2018 00:56

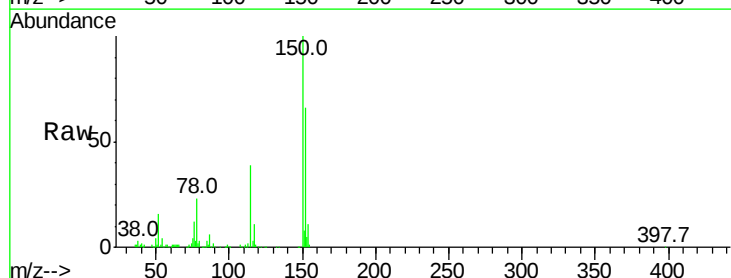
Tgt Ion: 79 Resp: 3470

Ion Ratio Lower Upper

79 100

108 32.8 57.2 85.8#

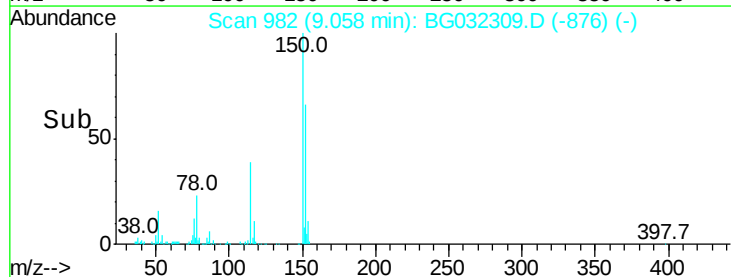
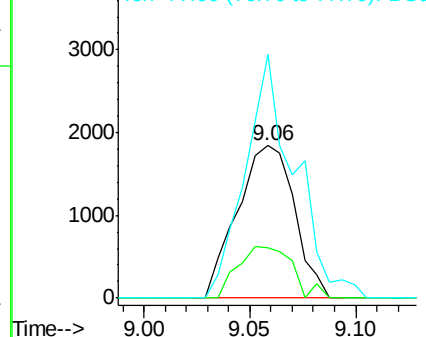
77 159.5 46.1 69.1#

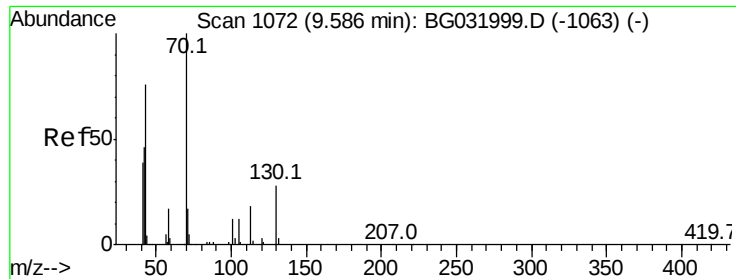


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

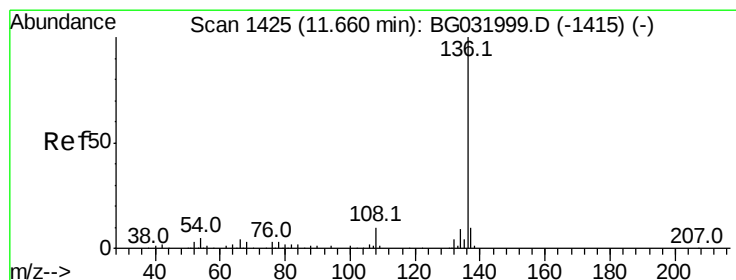
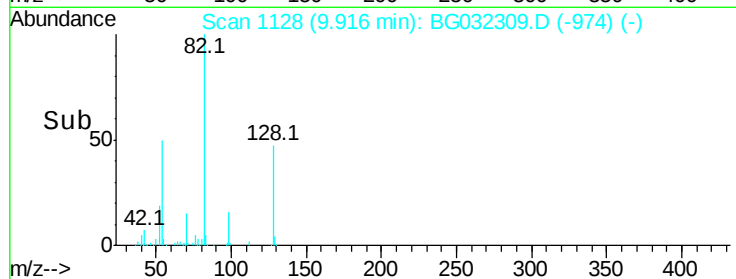
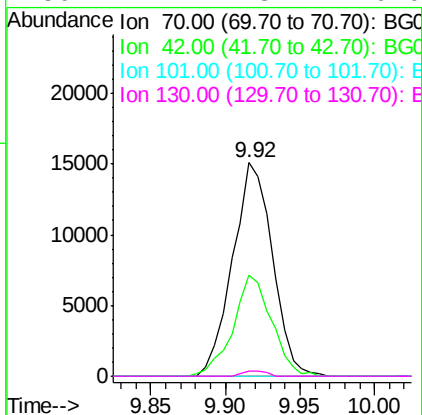
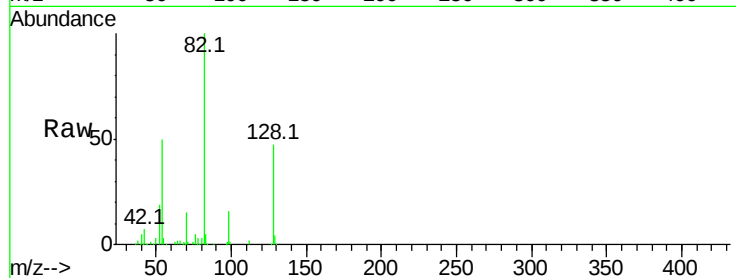




#19
n-Nitroso-di-n-propylamine
Concen: 20.077 ng
RT: 9.92 min Scan# 1128
Delta R.T. 0.38 min
Lab File: BG032309.D
Acq: 26 Jan 2018 00:56

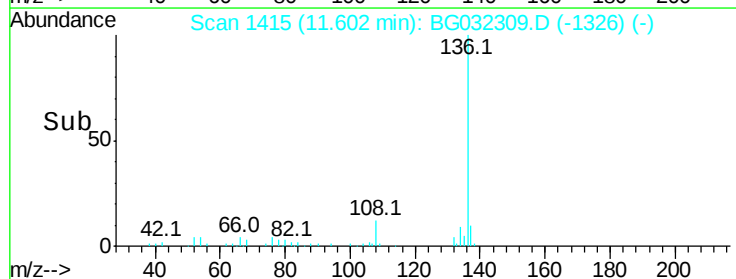
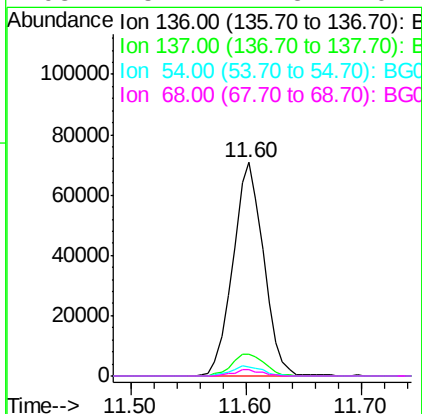
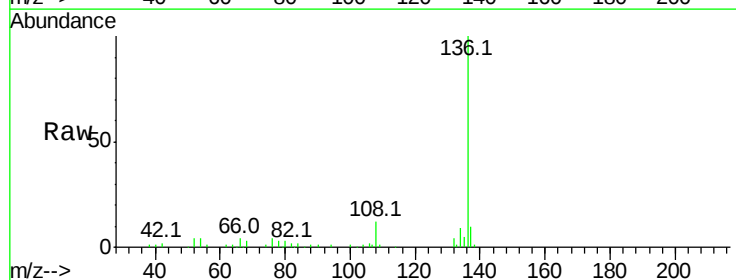
Instrument :
BNA_G
ClientSampleId :

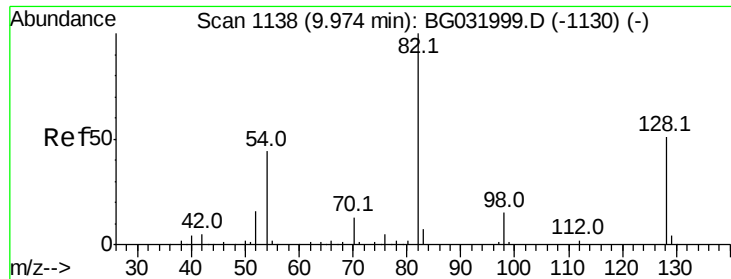
Tot Ion: 70 Resp: 28001
Ion Ratio Lower Upper
70 100
42 47.2 49.1 73.7#
101 0.0 8.5 12.7#
130 2.7 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BG032309.D
Acq: 26 Jan 2018 00:56

Tgt Ion: 136 Resp: 129934
Ion Ratio Lower Upper
136 100
137 10.2 9.2 13.8
54 4.2 10.3 15.5#
68 3.1 4.5 6.7#

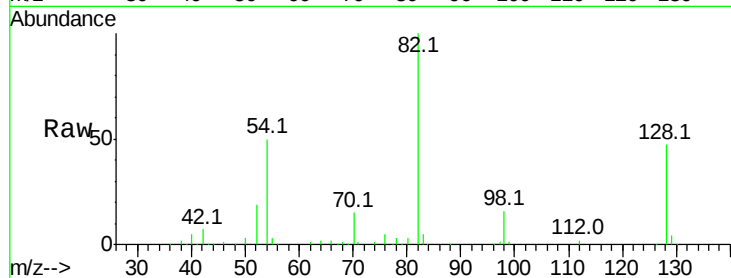




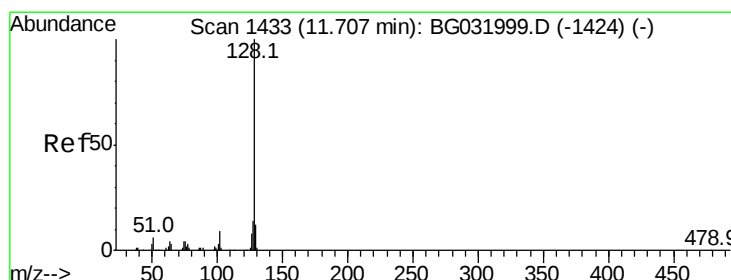
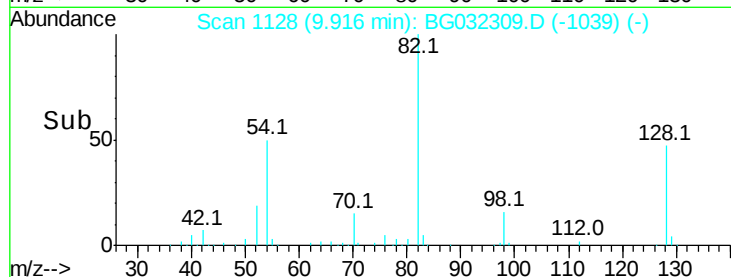
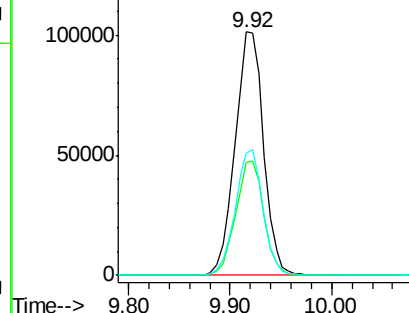
#23
Nitrobenzene-d5
Concen: 102.267 ng
RT: 9.92 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BG032309.D
Acq: 26 Jan 2018 00:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 82 Resp: 196409
Ion Ratio Lower Upper
82 100
128 46.6 29.7 44.5#
54 50.2 43.1 64.7

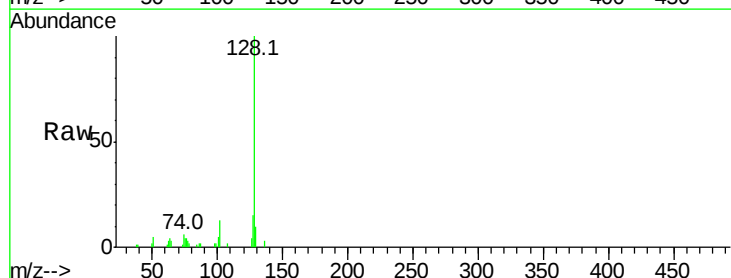


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

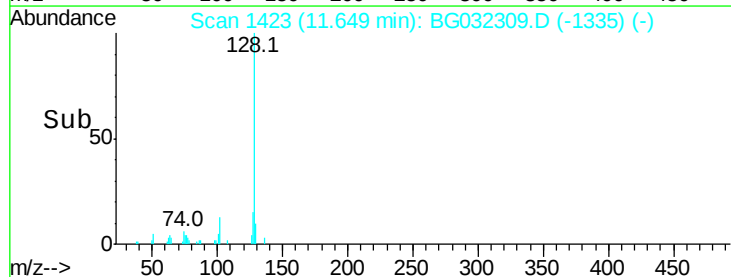
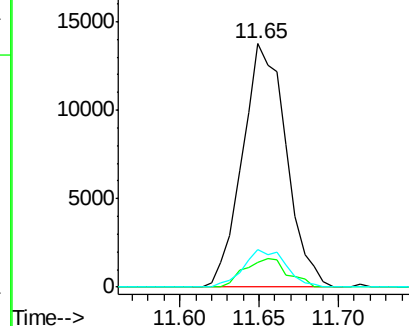


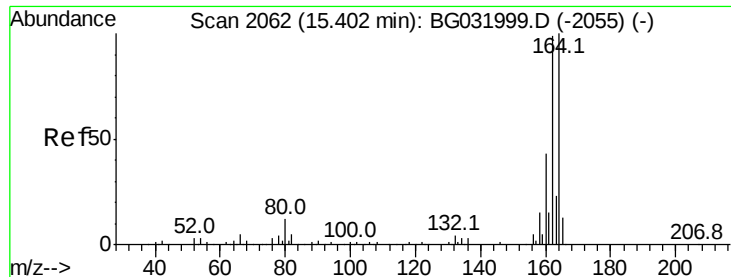
#31
Naphthalene
Concen: 4.102 ng
RT: 11.65 min Scan# 1423
Delta R.T. -0.01 min
Lab File: BG032309.D
Acq: 26 Jan 2018 00:56

Tgt Ion:128 Resp: 26404
Ion Ratio Lower Upper
128 100
129 10.3 8.6 12.8
127 15.4 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.36 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BG032309.D

Acq: 26 Jan 2018 00:56

Instrument :

BNA_G

ClientSampleId :

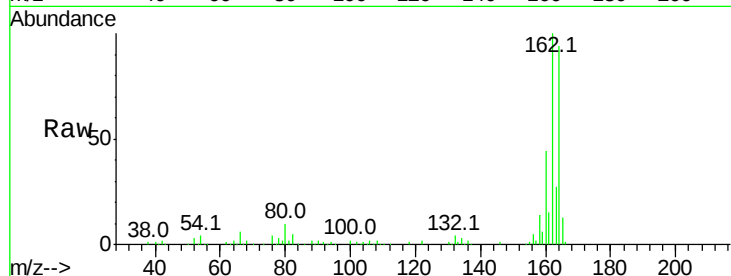
Tot Ion:164 Resp: 102899

Ion Ratio Lower Upper

164 100

162 106.7 78.8 118.2

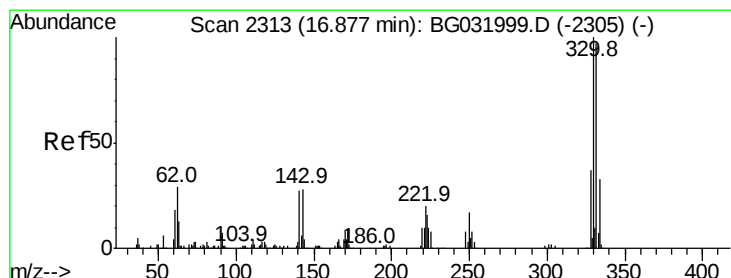
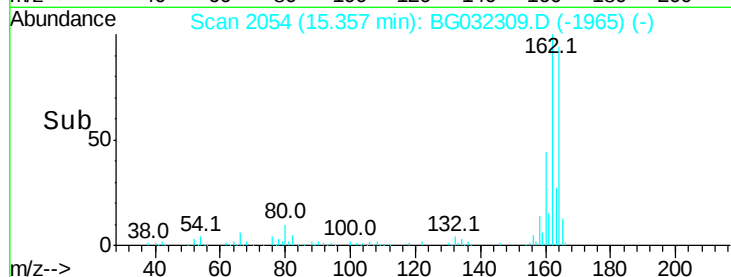
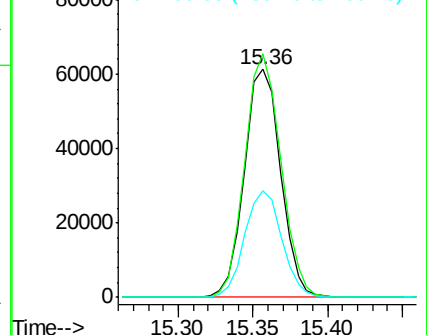
160 46.5 35.4 53.0



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: 164.290 ng

RT: 16.84 min Scan# 2306

Delta R.T. 0.00 min

Lab File: BG032309.D

Acq: 26 Jan 2018 00:56

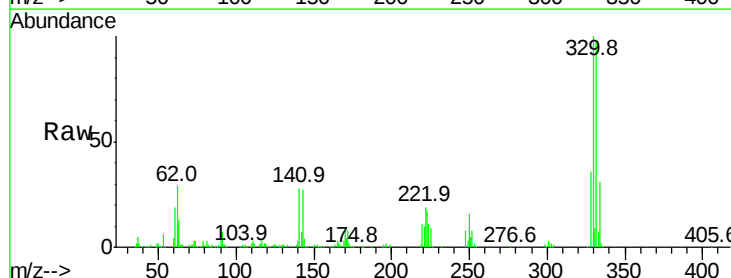
Tgt Ion:330 Resp: 279742

Ion Ratio Lower Upper

330 100

332 98.1 77.0 115.6

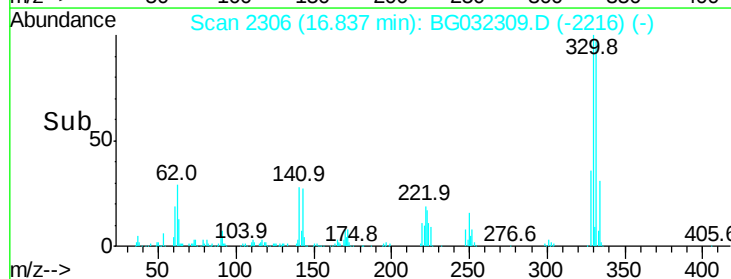
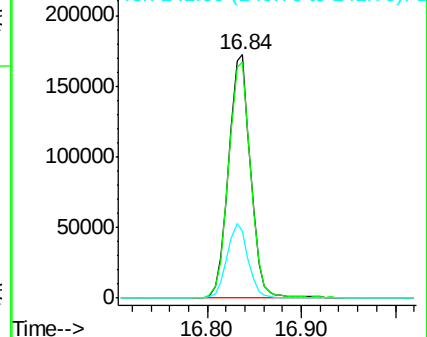
141 29.7 25.2 37.8

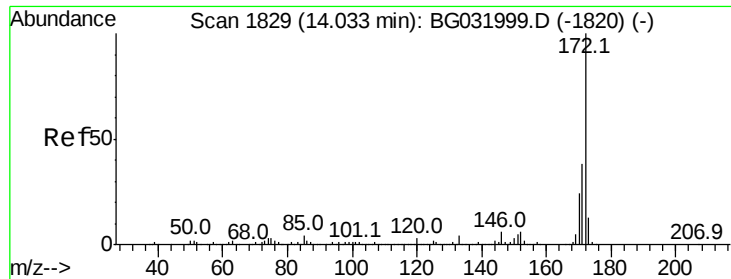


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

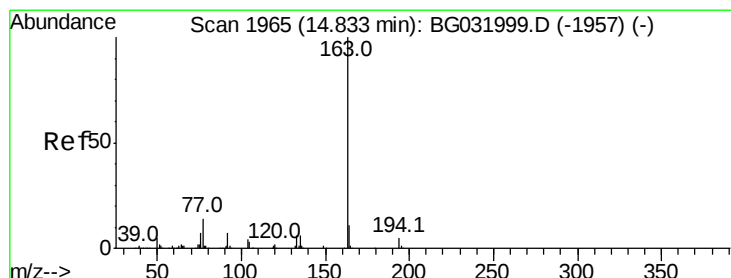
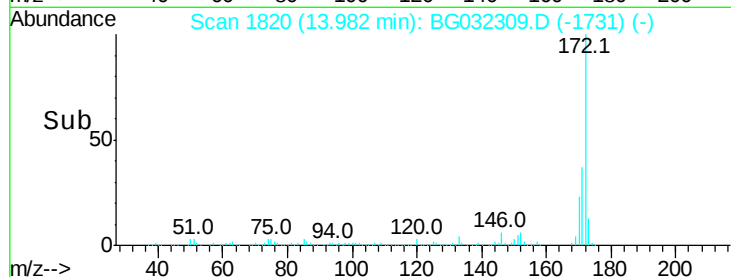
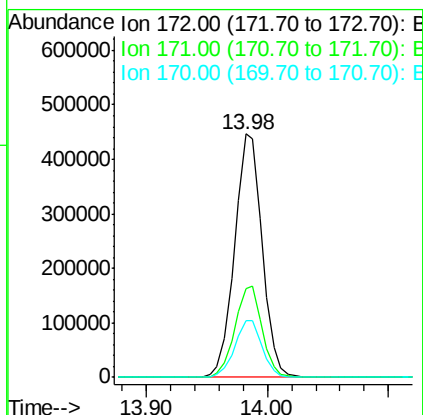
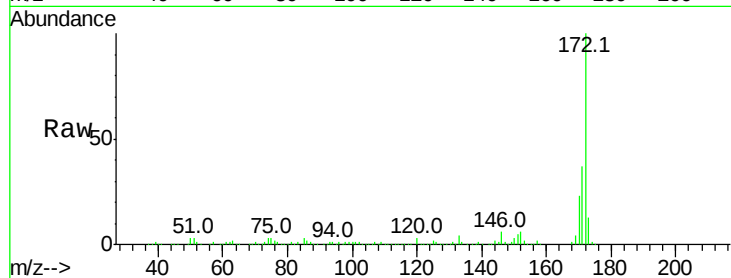




#44
2-Fluorobiphenyl
Concen: 85.443 ng
RT: 13.98 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BG032309.D
Acq: 26 Jan 2018 00:56

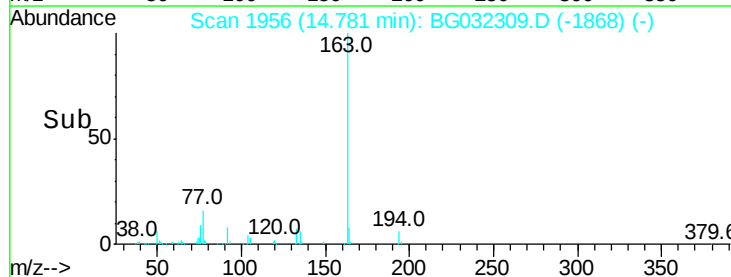
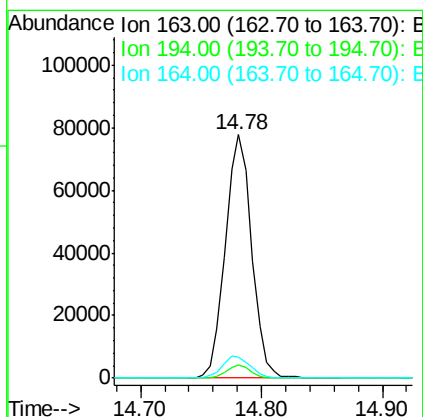
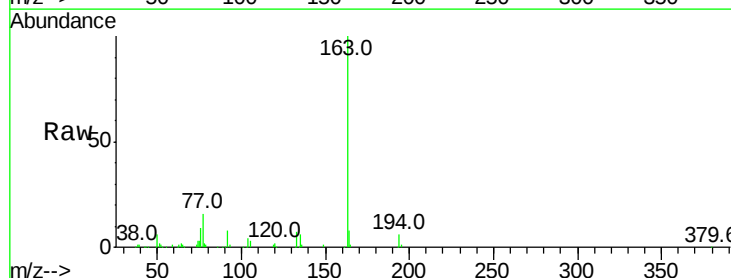
Instrument :
BNA_G
ClientSampleId :

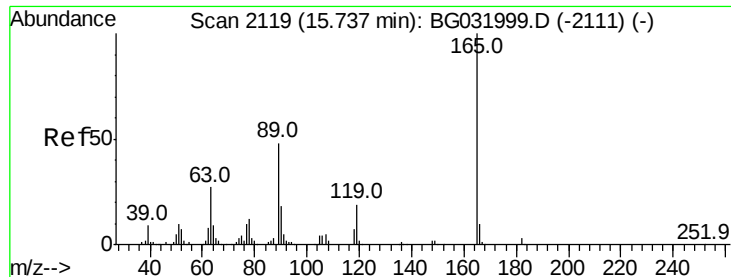
Tot Ion:172 Resp: 709059
Ion Ratio Lower Upper
172 100
171 36.7 30.0 45.0
170 23.1 19.5 29.3



#49
Dimethylphthalate
Concen: 13.046 ng
RT: 14.78 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BG032309.D
Acq: 26 Jan 2018 00:56

Tgt Ion:163 Resp: 117475
Ion Ratio Lower Upper
163 100
194 5.6 3.4 5.2#
164 8.3 8.2 12.4

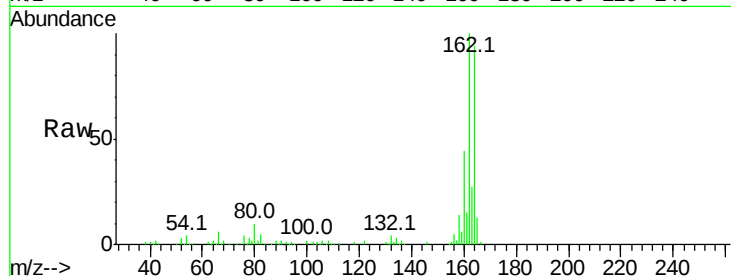




#56
 2,4-Dinitrotoluene
 Concen: 5.581 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. -0.34 min
 Lab File: BG032309.D
 Acq: 26 Jan 2018 00:56

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	42.0	63.0#
89	3.4	66.9	100.3#
182	0.0	2.6	3.8#

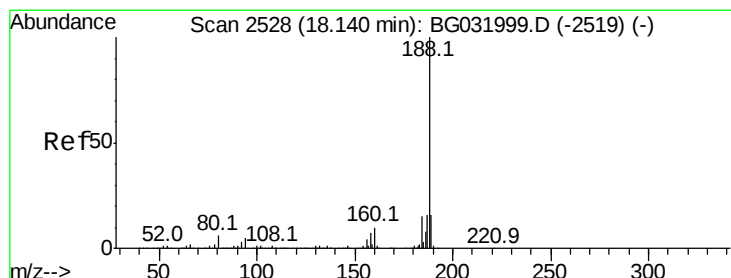
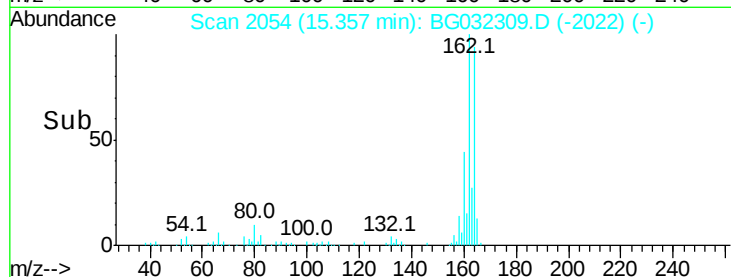
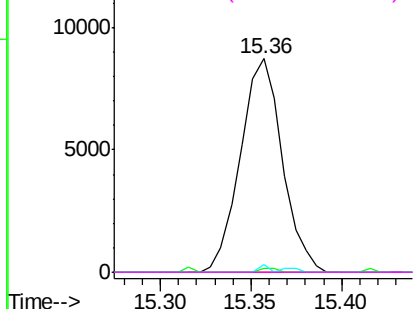


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

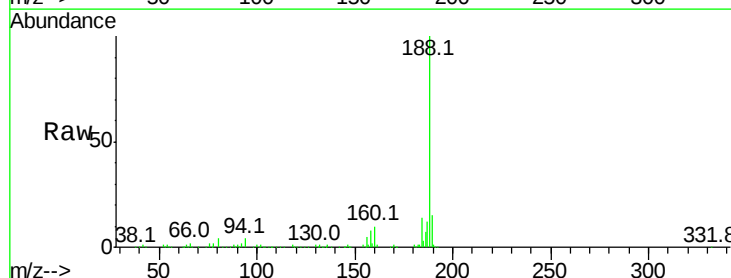
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.09 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BG032309.D
 Acq: 26 Jan 2018 00:56

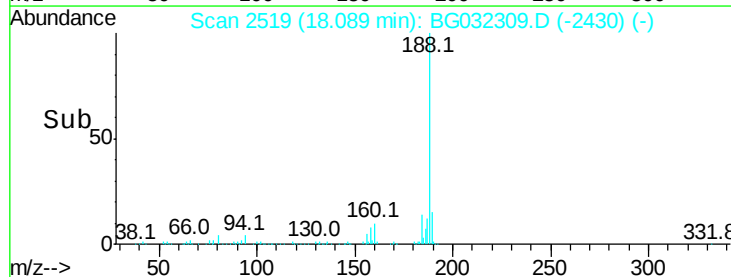
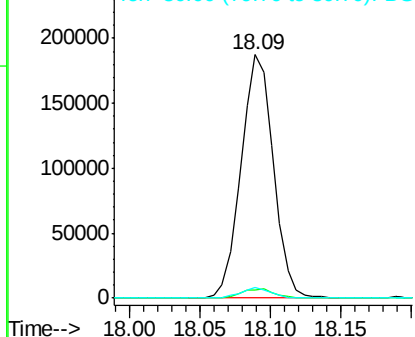
Tgt Ion	Ratio	Lower	Upper
188	100		
94	3.6	6.9	10.3#
80	4.3	7.7	11.5#

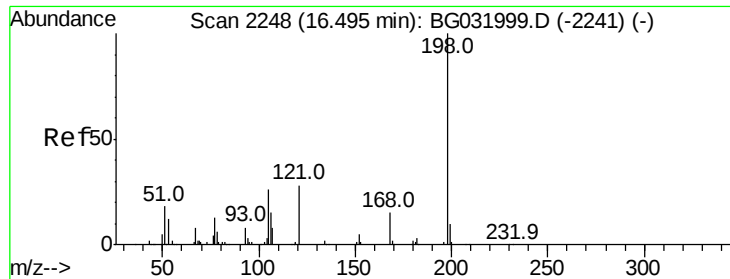


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#64

4,6-Dinitro-2-methylphenol

Concen: 5.227 ng

RT: 16.83 min Scan# 2305

Delta R.T. 0.38 min

Lab File: BG032309.D

Acq: 26 Jan 2018 00:56

Instrument :

BNA_G

ClientSampled :

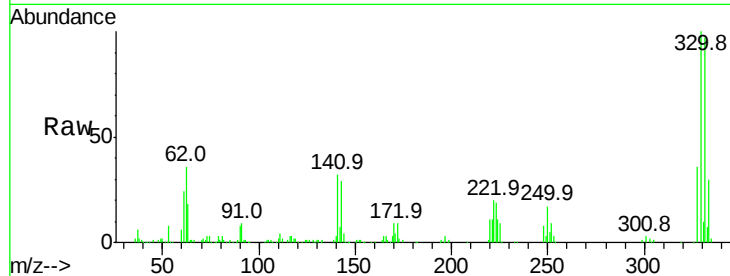
Tot Ion:198 Resp: 732

Ion Ratio Lower Upper

198 100

51 163.4 30.6 70.6#

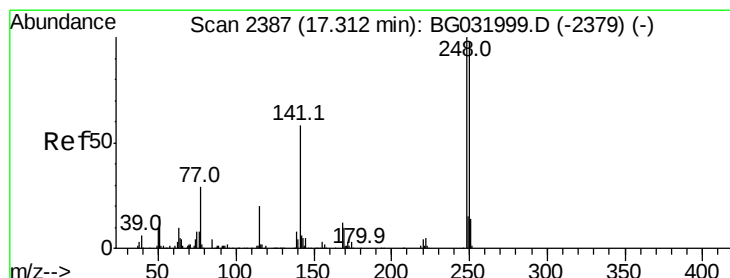
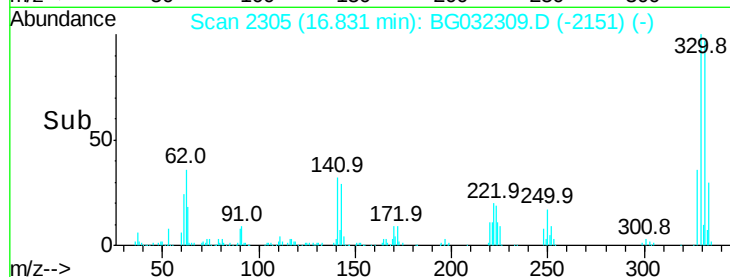
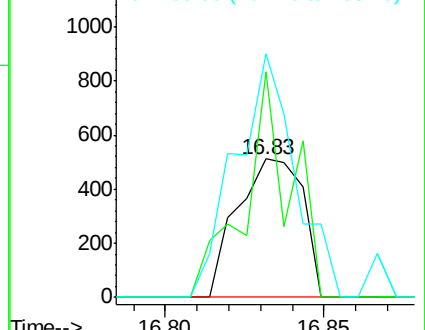
105 176.1 23.8 63.8#



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: 5.447 ng

RT: 16.84 min Scan# 2306

Delta R.T. -0.43 min

Lab File: BG032309.D

Acq: 26 Jan 2018 00:56

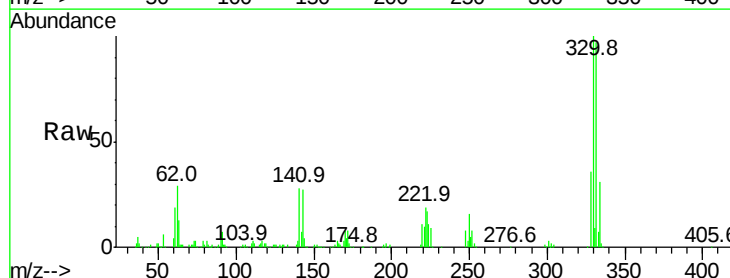
Tgt Ion:248 Resp: 23209

Ion Ratio Lower Upper

248 100

250 193.1 77.1 115.7#

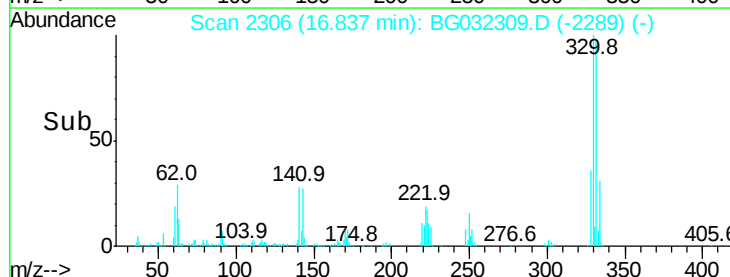
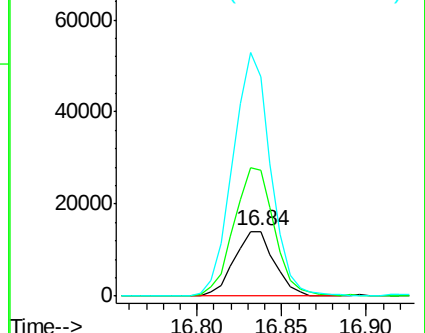
141 338.4 50.8 76.2#

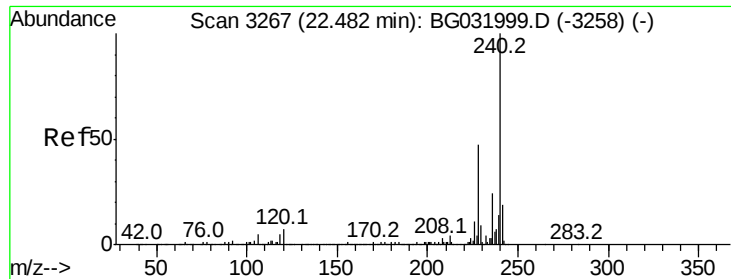


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.42 min Scan# 3256

Delta R.T. -0.01 min

Lab File: BG032309.D

Acq: 26 Jan 2018 00:56

Instrument :

BNA_G

ClientSampleId :

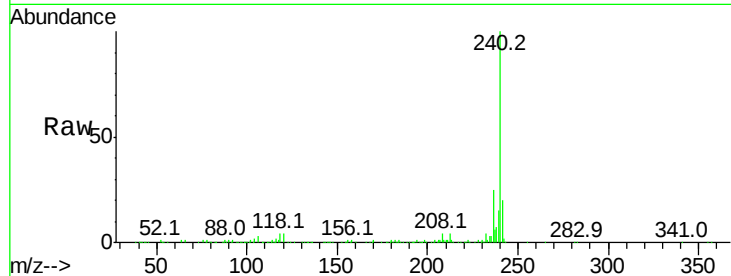
Tot Ion:240 Resp: 362893

Ion Ratio Lower Upper

240 100

120 4.4 6.8 10.2#

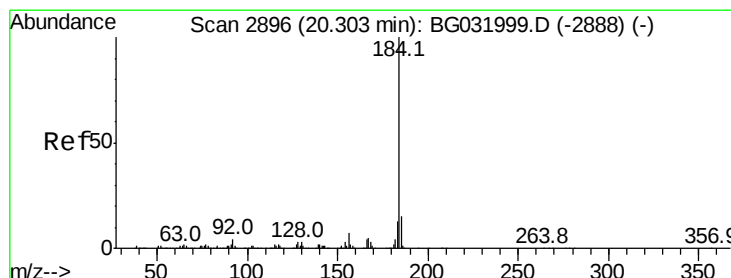
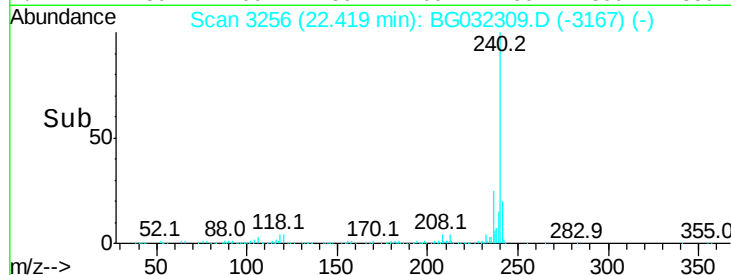
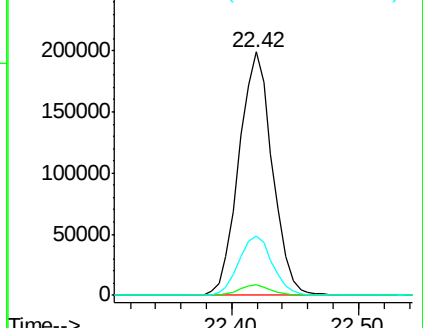
236 24.6 20.9 31.3



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: 2.385 ng

RT: 20.63 min Scan# 2951

Delta R.T. 0.36 min

Lab File: BG032309.D

Acq: 26 Jan 2018 00:56

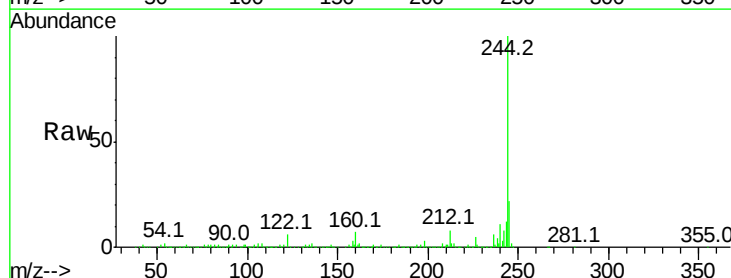
Tgt Ion:184 Resp: 21644

Ion Ratio Lower Upper

184 100

185 16.4 11.1 16.7

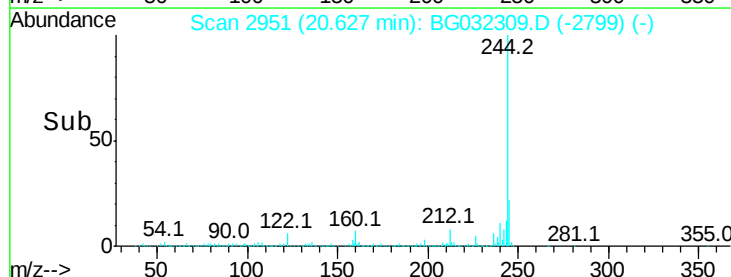
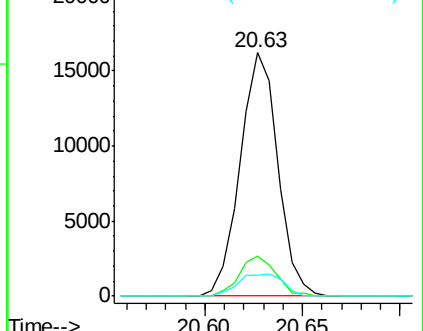
183 8.6 10.6 16.0#

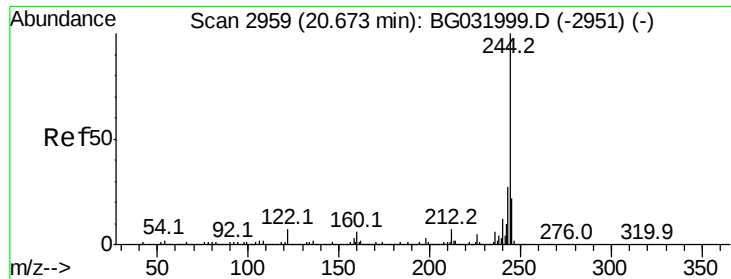


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

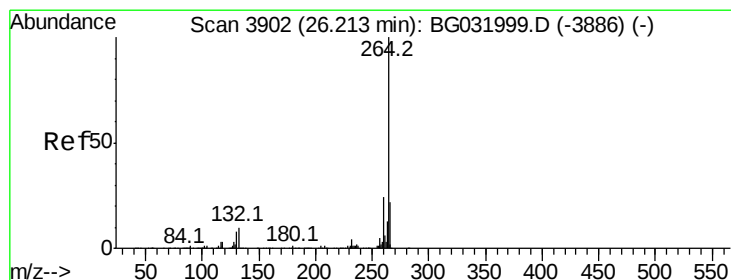
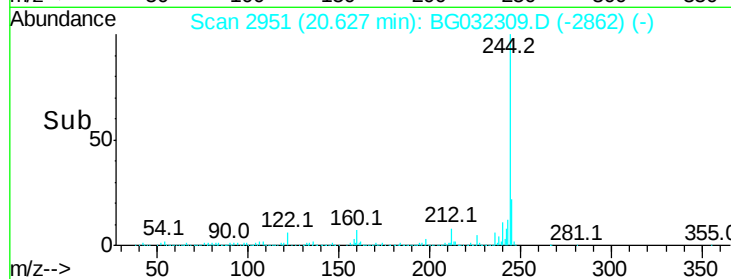
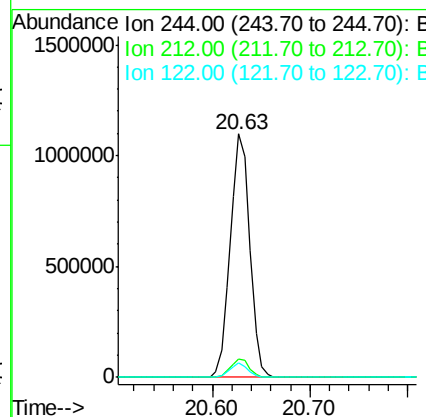
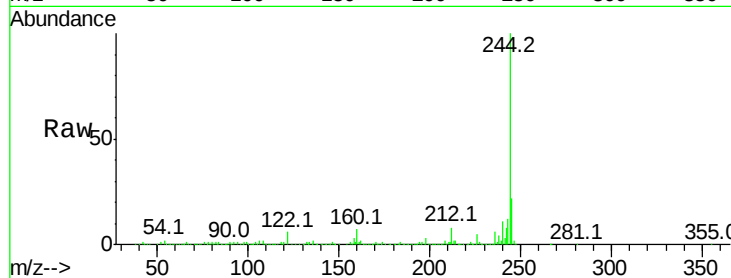




#78
 Terphenyl-d14
 Concen: 92.599 ng
 RT: 20.63 min Scan# 2951
 Delta R.T. -0.01 min
 Lab File: BG032309.D
 Acq: 26 Jan 2018 00:56

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:244 Resp: 1521870
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.8 8.8
 122 5.9 7.0 10.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.10 min Scan# 3883
 Delta R.T. -0.01 min
 Lab File: BG032309.D
 Acq: 26 Jan 2018 00:56

Tgt Ion:264 Resp: 391624
 Ion Ratio Lower Upper
 264 100
 260 23.3 17.4 26.0
 265 20.1 17.7 26.5

