

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010318\
 Data File : BG031894.D
 Acq On : 3 Jan 2018 17:15
 Operator : SJ/JU
 Sample : I7105-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 04 04:44:15 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 29 15:51:46 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.79	152	45103	20.00	ng	0.00
21) Naphthalene-d8	11.67	136	192045	20.00	ng	0.00
38) Acenaphthene-d10	15.42	164	133616	20.00	ng	-0.01
63) Phenanthrene-d10	18.15	188	386625	20.00	ng	-0.01
75) Chrysene-d12	22.49	240	453420	20.00	ng	-0.02
86) Perylene-d12	26.22	264	471582	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.21	112	305421	123.34	ng	0.00
7) Phenol-d6	7.89	99	337010	104.82	ng	0.00
23) Nitrobenzene-d5	9.99	82	249954	98.28	ng	0.00
41) 2,4,6-Tribromophenol	16.89	330	337949	165.76	ng	0.00
44) 2-Fluorobiphenyl	14.05	172	906270	85.13	ng	0.00
78) Terphenyl-d14	20.68	244	1854384	93.44	ng	-0.01

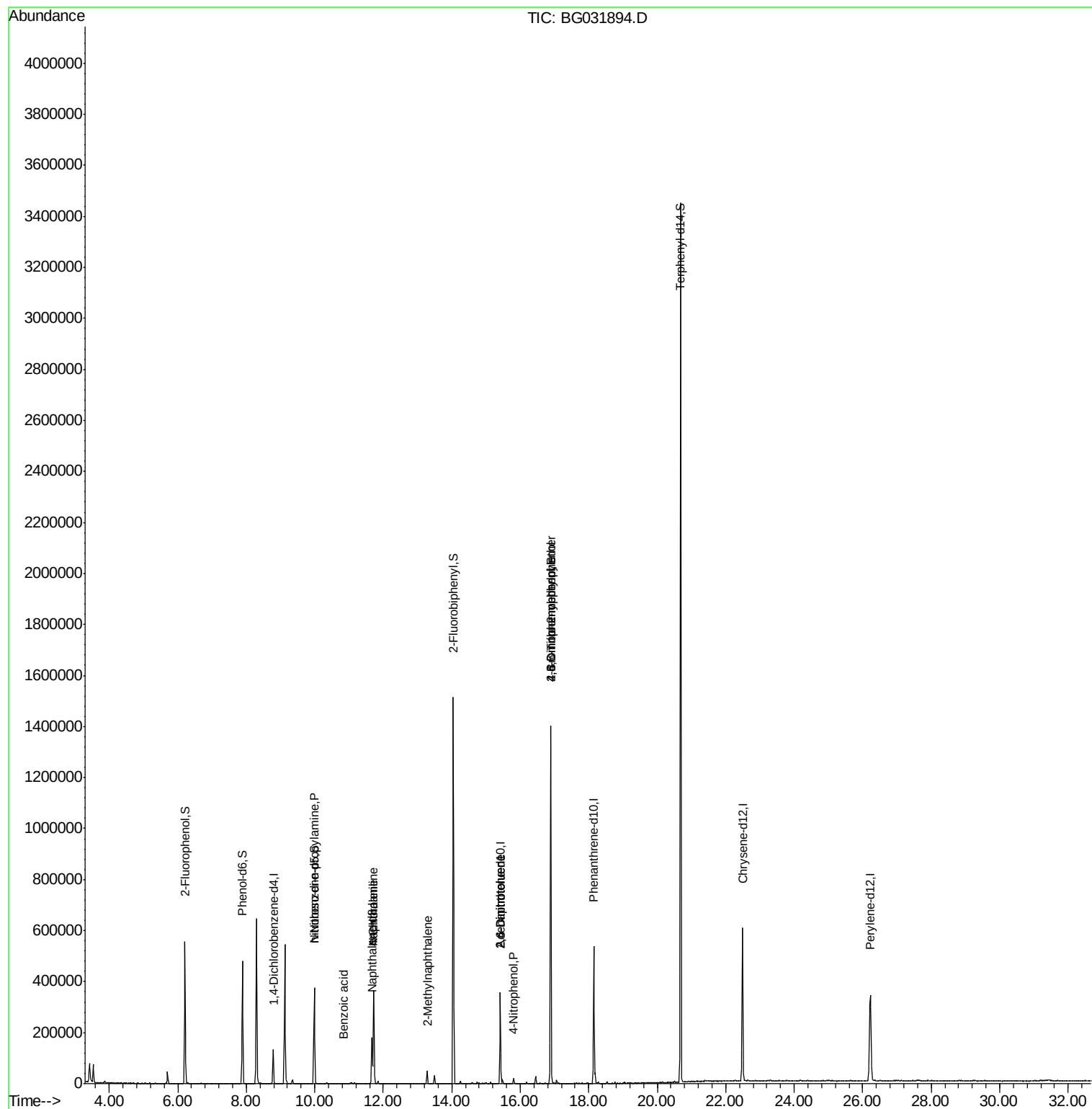
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.99	70	31859	14.510	ng	# 72
31) Naphthalene	11.73	128	360980	37.245	ng	# 98
32) Benzoic acid	10.84	122	71	6.726	ng	# 1
33) 4-Chloroaniline	11.72	127	49196	11.401	ng	# 29
37) 2-Methylnaphthalene	13.28	142	27478	3.497	ng	# 94
50) 2,6-Dinitrotoluene	15.42	165	17852	8.244	ng	# 18
55) 4-Nitrophenol	15.80	139	5208	3.029	ng	# 1
56) 2,4-Dinitrotoluene	15.42	165	17852	6.411	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.89	198	637	8.586	ng	# 12
66) 4-Bromophenyl-phenylether	16.89	248	26892	4.810	ng	# 1

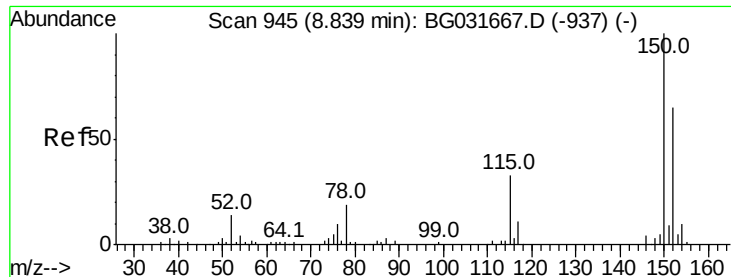
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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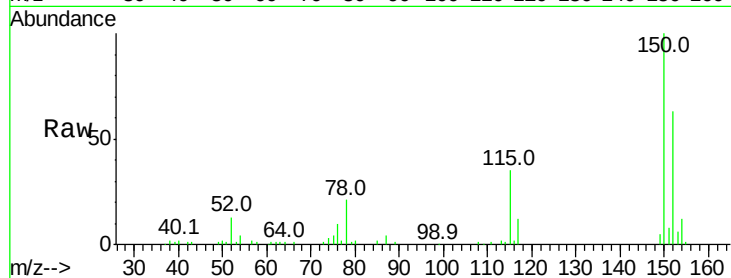


#1

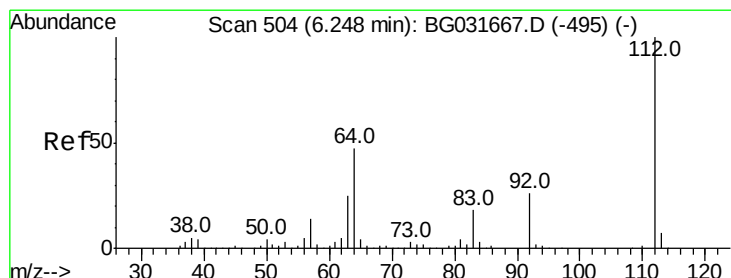
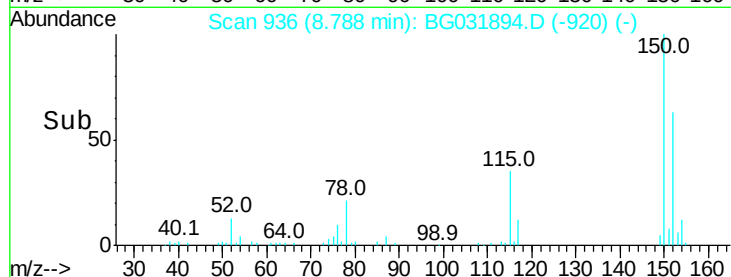
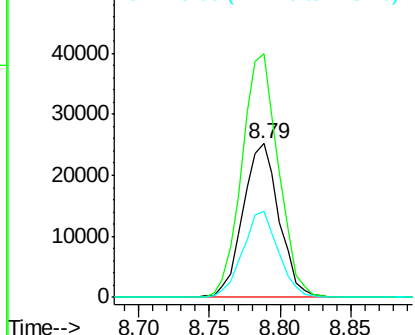
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.79 min Scan# 936
Delta R.T. -0.00 min
Lab File: BG031894.D
Acq: 3 Jan 2018 17:15

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 45103
Ion Ratio Lower Upper
152 100
150 158.4 126.6 189.8
115 55.6 53.0 79.4



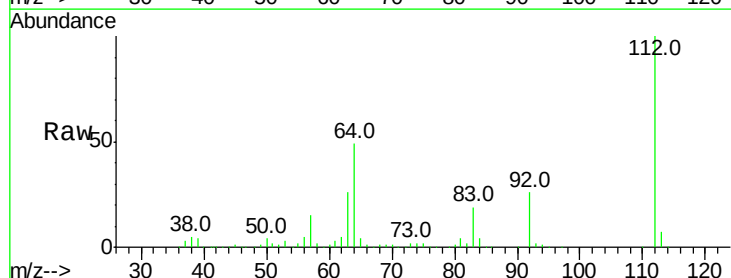
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



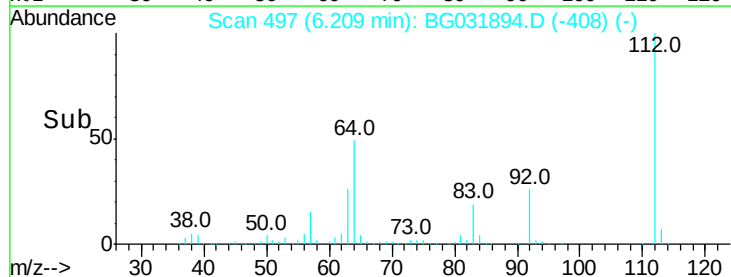
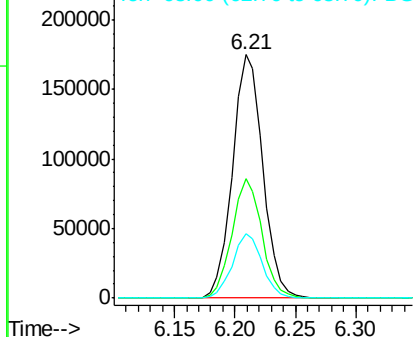
#5

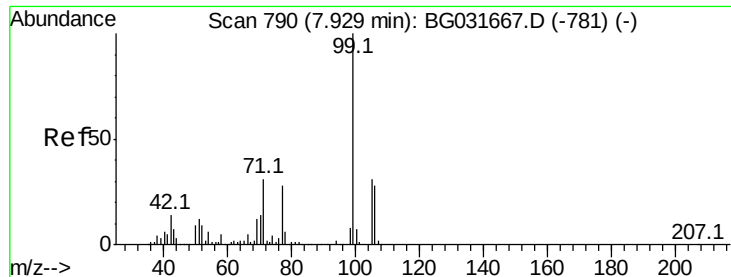
2-Fluorophenol
Concen: 123.337 ng
RT: 6.21 min Scan# 497
Delta R.T. -0.00 min
Lab File: BG031894.D
Acq: 3 Jan 2018 17:15

Tgt Ion:112 Resp: 305421
Ion Ratio Lower Upper
112 100
64 48.9 56.3 84.5#
63 26.3 30.1 45.1#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 104.822 ng

RT: 7.89 min Scan# 783

Delta R.T. -0.00 min

Lab File: BG031894.D

Acq: 3 Jan 2018 17:15

Instrument :

BNA_G

ClientSampleId :

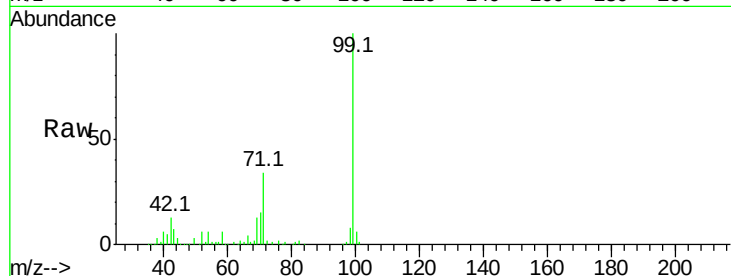
Tot Ion: 99 Resp: 337010

Ion Ratio Lower Upper

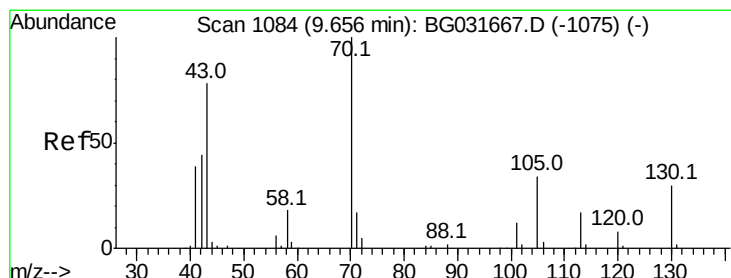
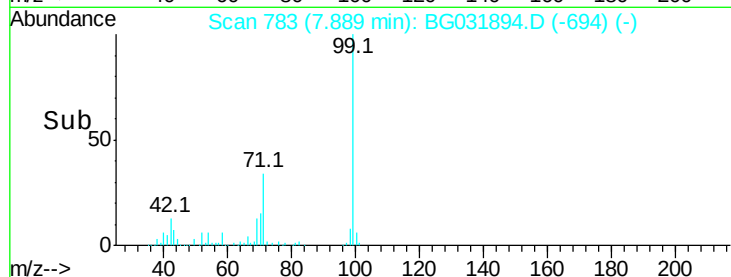
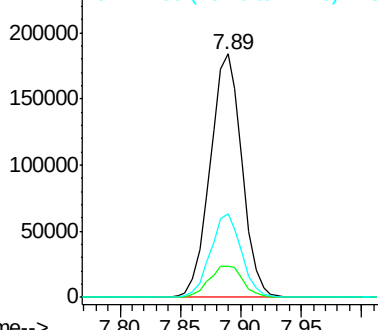
99 100

42 13.0 14.1 21.1#

71 34.5 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



#19

n-Nitroso-di-n-propylamine

Concen: 14.510 ng

RT: 9.99 min Scan# 1140

Delta R.T. 0.38 min

Lab File: BG031894.D

Acq: 3 Jan 2018 17:15

Tgt Ion: 70 Resp: 31859

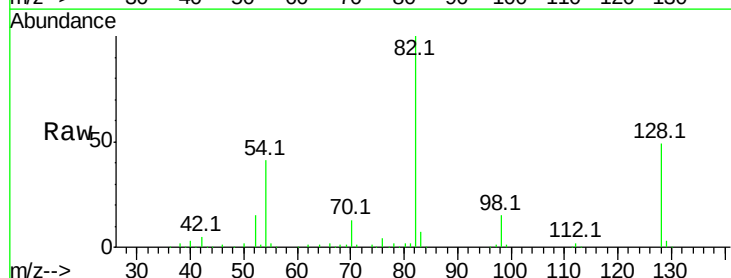
Ion Ratio Lower Upper

70 100

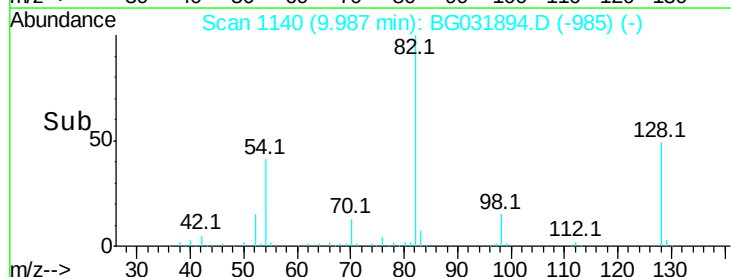
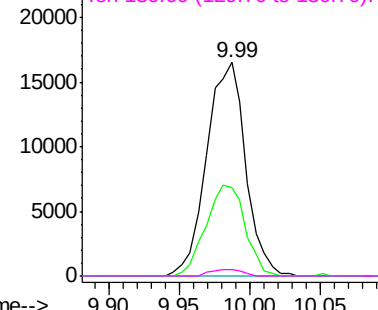
42 41.2 49.1 73.7#

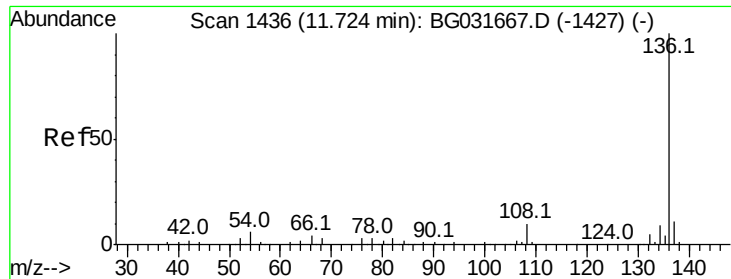
101 0.0 8.5 12.7#

130 2.7 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

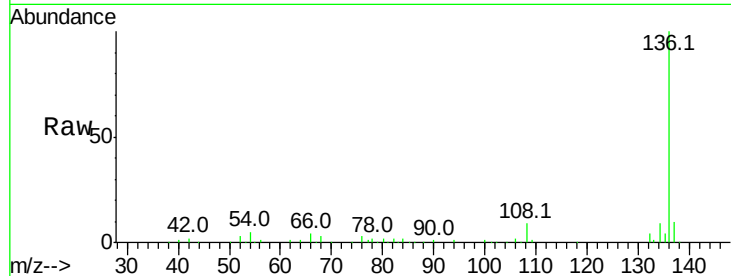




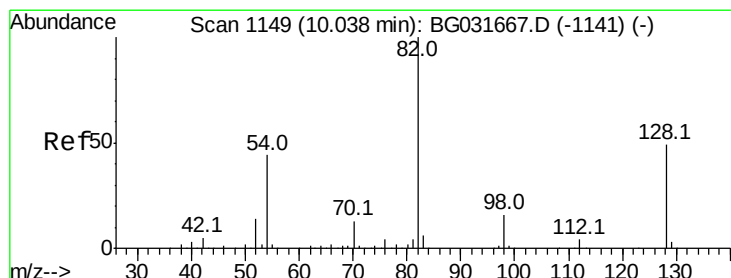
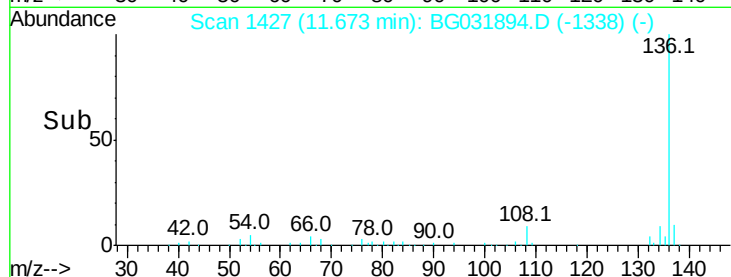
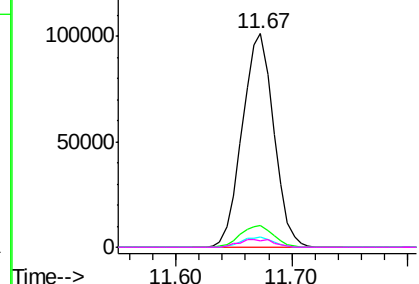
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.67 min Scan# 1427
Delta R.T. -0.00 min
Lab File: BG031894.D
Acq: 3 Jan 2018 17:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	192045
Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.2	13.8
54	5.1	10.3	15.5#
68	3.3	4.5	6.7#

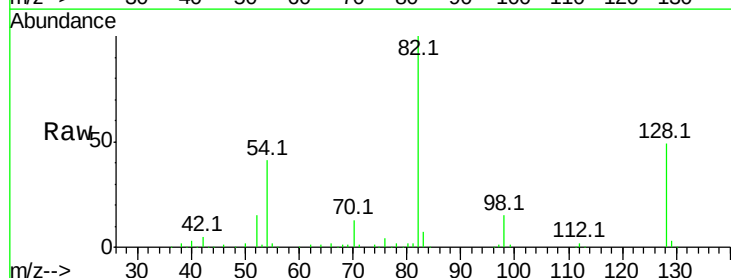


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

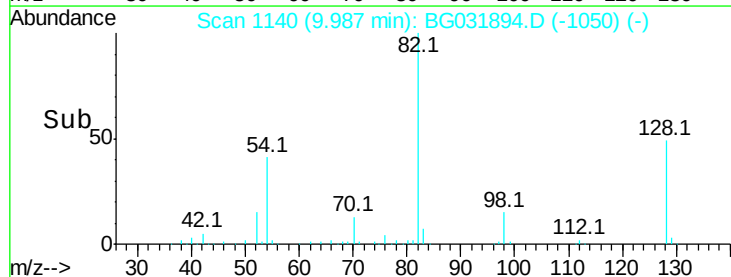
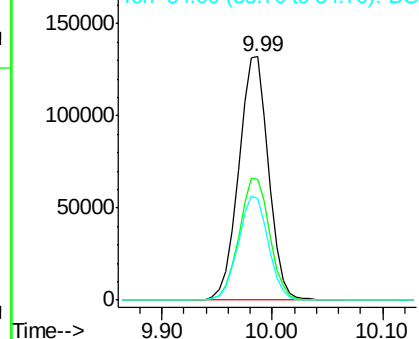


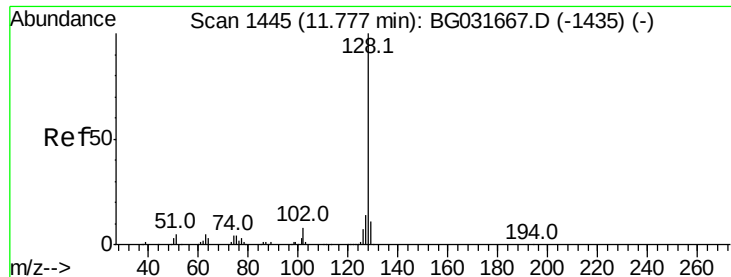
#23
Nitrobenzene-d5
Concen: 98.282 ng
RT: 9.99 min Scan# 1140
Delta R.T. 0.00 min
Lab File: BG031894.D
Acq: 3 Jan 2018 17:15

Tgt Ion:	82	Resp:	249954
Ion	Ratio	Lower	Upper
82	100		
128	49.4	29.7	44.5#
54	41.5	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

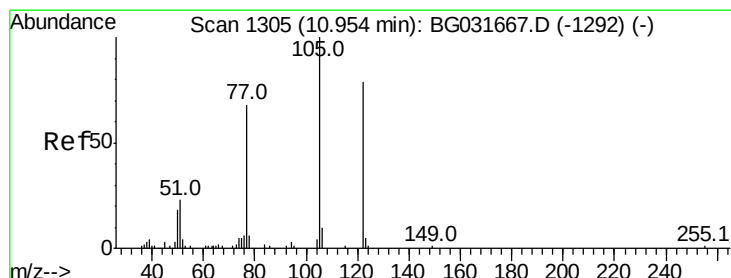
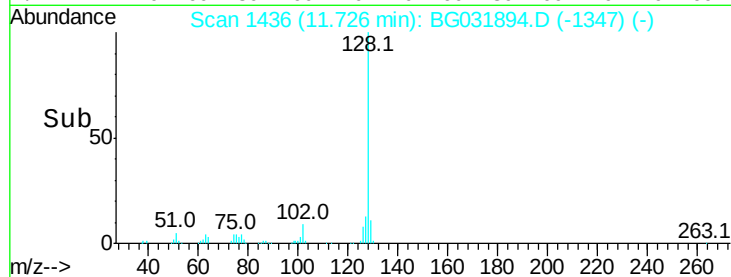
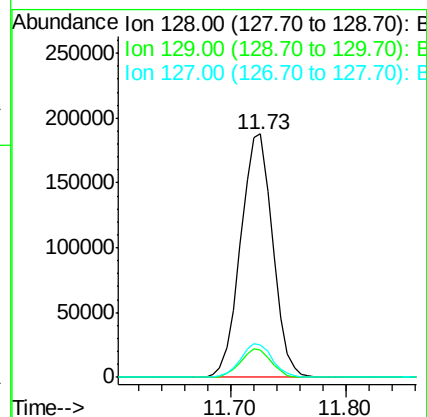
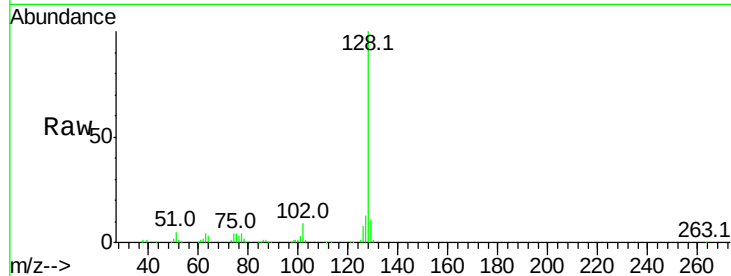




#31
Naphthalene
Concen: 37.245 ng
RT: 11.73 min Scan# 1436
Delta R.T. -0.00 min
Lab File: BG031894.D
Acq: 3 Jan 2018 17:15

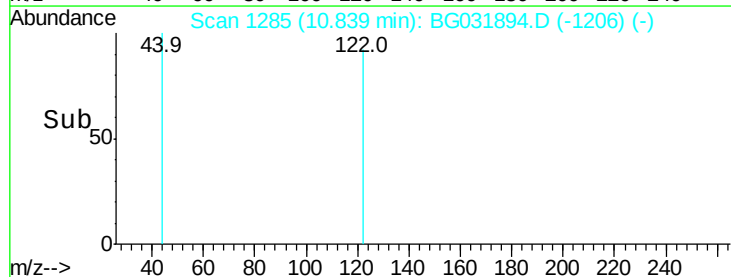
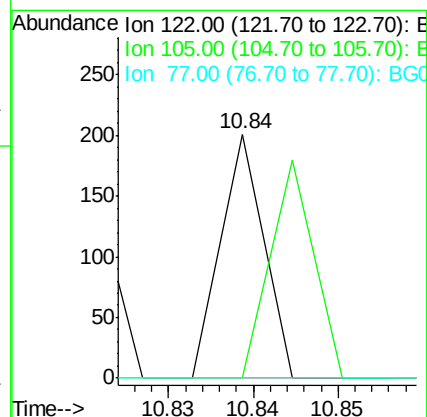
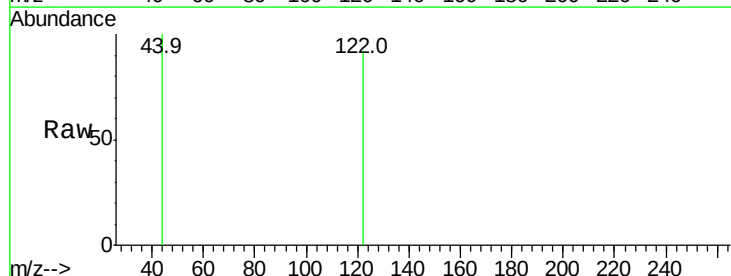
Instrument :
BNA_G
ClientSampleId :

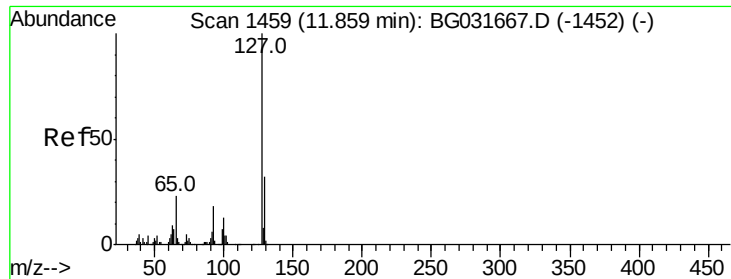
Tot Ion:128 Resp: 360980
Ion Ratio Lower Upper
128 100
129 11.2 8.6 12.8
127 13.2 11.6 17.4



#32
Benzoic acid
Concen: 6.726 ng
RT: 10.84 min Scan# 1285
Delta R.T. -0.06 min
Lab File: BG031894.D
Acq: 3 Jan 2018 17:15

Tgt Ion:122 Resp: 71
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 0.0 85.7 125.7#

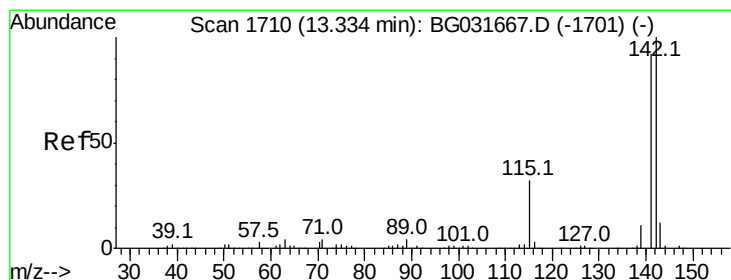
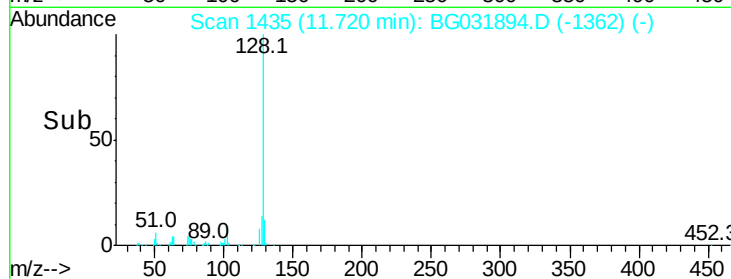
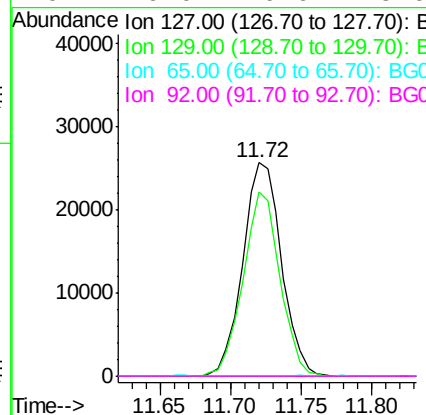
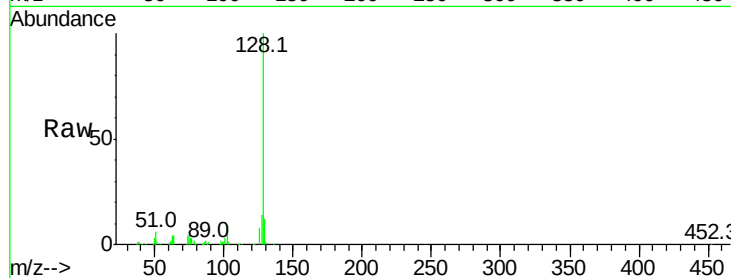




#33
4-Chloroaniline
Concen: 11.401 ng
RT: 11.72 min Scan# 1435
Delta R.T. -0.10 min
Lab File: BG031894.D
Acq: 3 Jan 2018 17:15

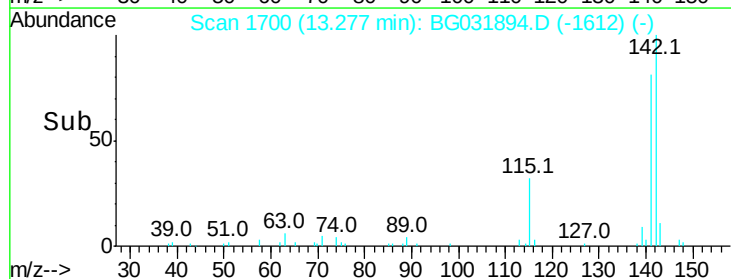
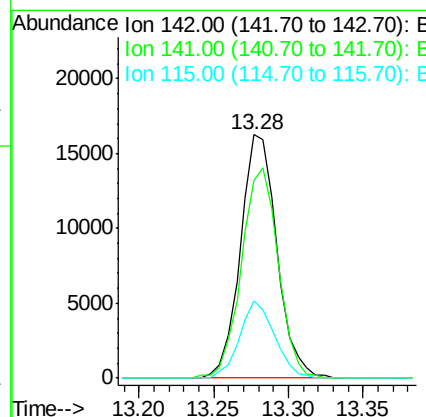
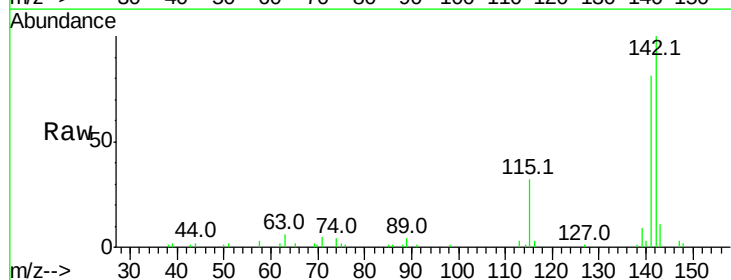
Instrument :
BNA_G
ClientSampleId :

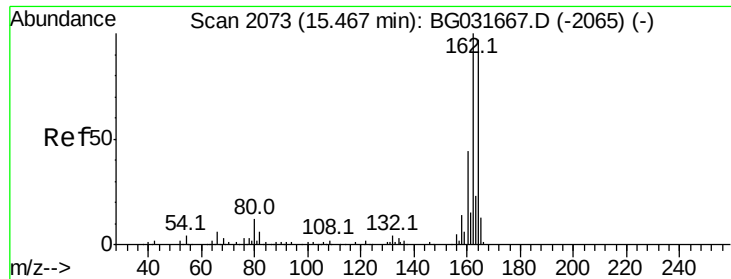
Tot Ion:127	Resp:	49196
Ion Ratio	Lower	Upper
127	100	
129	86.4	24.0 36.0#
65	0.0	27.0 40.4#
92	0.0	16.6 25.0#



#37
2-Methylnaphthalene
Concen: 3.497 ng
RT: 13.28 min Scan# 1700
Delta R.T. -0.01 min
Lab File: BG031894.D
Acq: 3 Jan 2018 17:15

Tgt Ion:142	Resp:	27478
Ion Ratio	Lower	Upper
142	100	
141	81.1	67.1 100.7
115	31.9	30.7 46.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.42 min Scan# 2064

Delta R.T. -0.01 min

Lab File: BG031894.D

Acq: 3 Jan 2018 17:15

Instrument :

BNA_G

ClientSampleId :

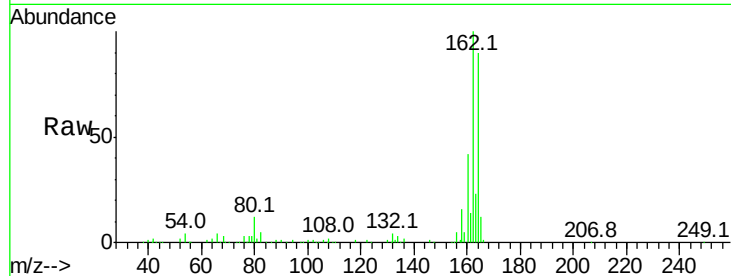
Tot Ion:164 Resp: 133616

Ion Ratio Lower Upper

164 100

162 111.4 78.8 118.2

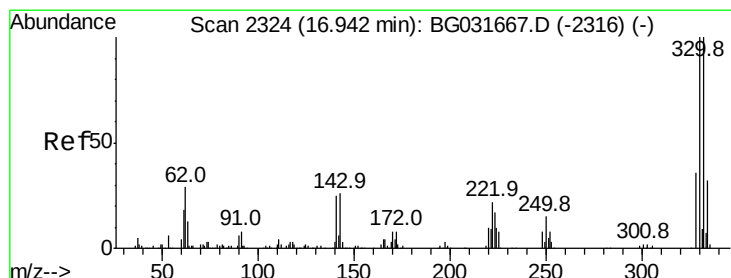
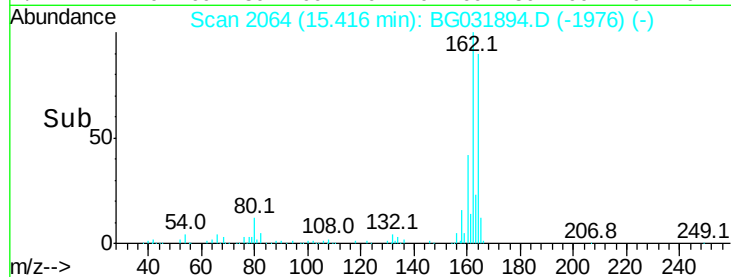
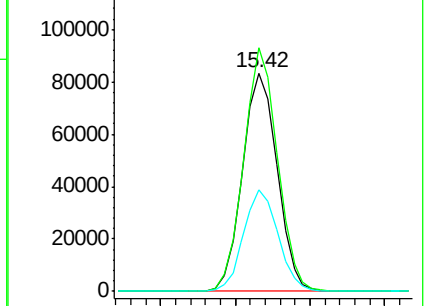
160 46.6 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 165.759 ng

RT: 16.89 min Scan# 2315

Delta R.T. -0.00 min

Lab File: BG031894.D

Acq: 3 Jan 2018 17:15

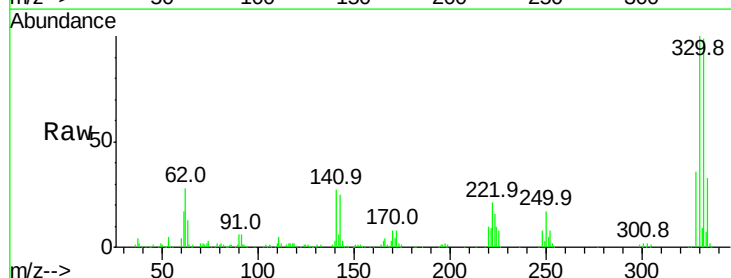
Tgt Ion:330 Resp: 337949

Ion Ratio Lower Upper

330 100

332 97.1 77.0 115.6

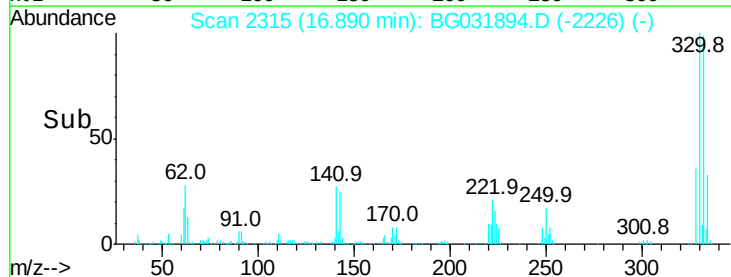
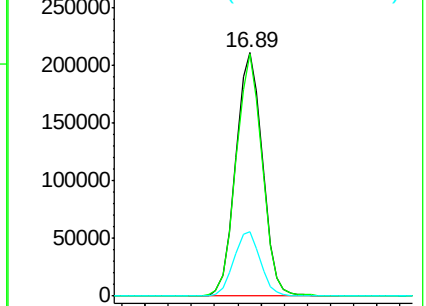
141 26.5 25.2 37.8

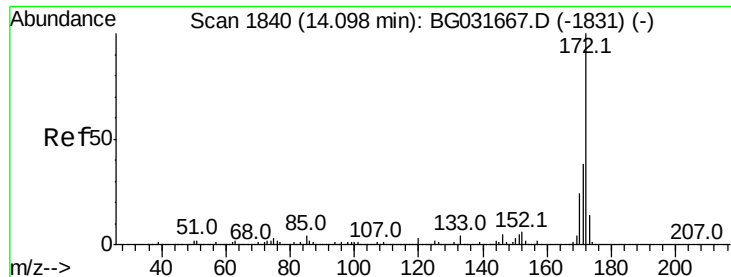


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

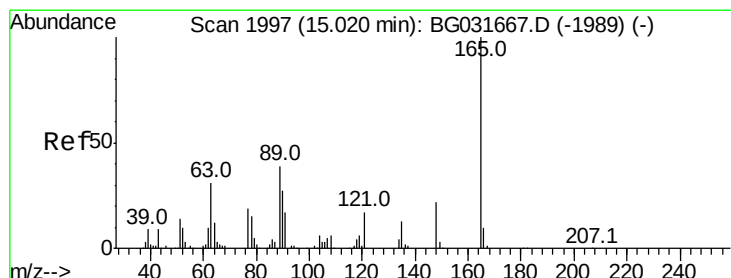
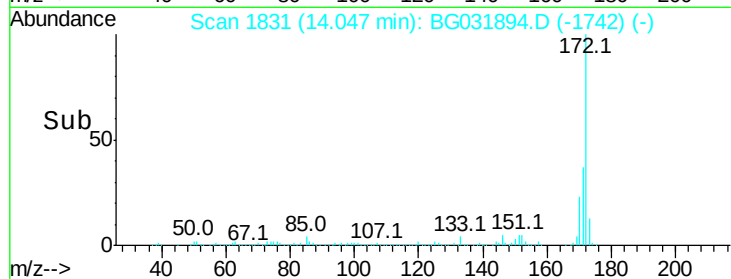
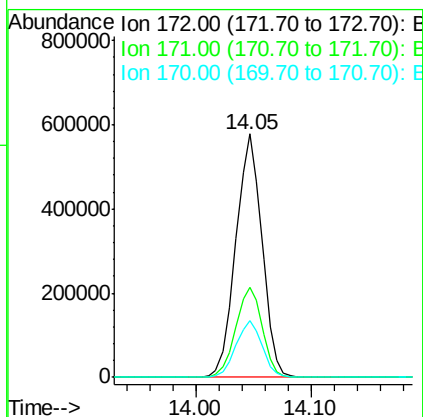
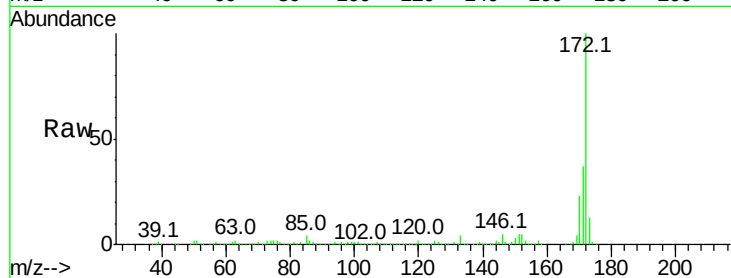




#44
2-Fluorobiphenyl
Concen: 85.131 ng
RT: 14.05 min Scan# 1831
Delta R.T. -0.00 min
Lab File: BG031894.D
Acq: 3 Jan 2018 17:15

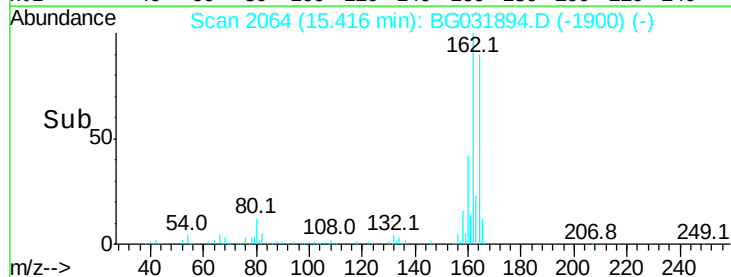
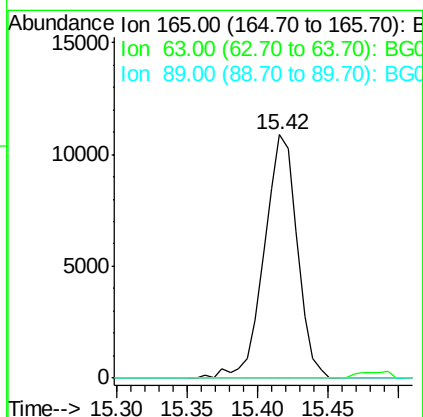
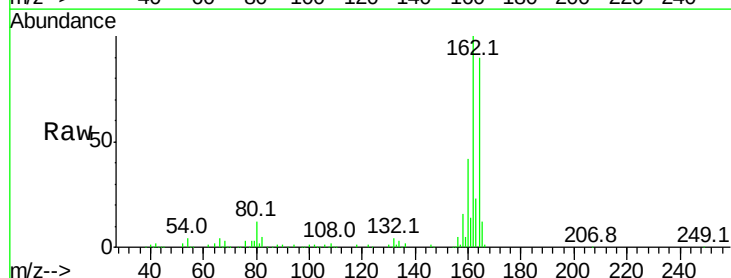
Instrument :
BNA_G
ClientSampleId :

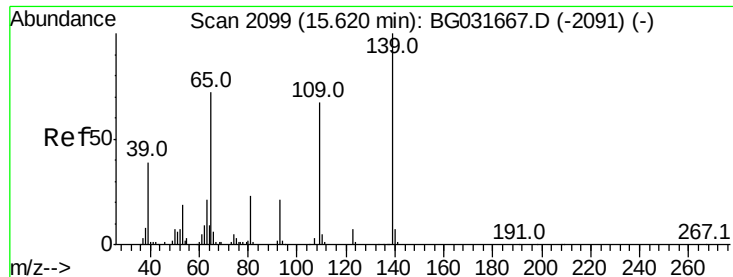
Tot Ion:172 Resp: 906270
Ion Ratio Lower Upper
172 100
171 36.9 30.0 45.0
170 23.2 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 8.244 ng
RT: 15.42 min Scan# 2064
Delta R.T. 0.44 min
Lab File: BG031894.D
Acq: 3 Jan 2018 17:15

Tgt Ion:165 Resp: 17852
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#





#55

4-Nitrophenol

Concen: 3.029 ng

RT: 15.80 min Scan# 2130

Delta R.T. 0.22 min

Lab File: BG031894.D

Acq: 3 Jan 2018 17:15

Instrument :

BNA_G

ClientSampleId :

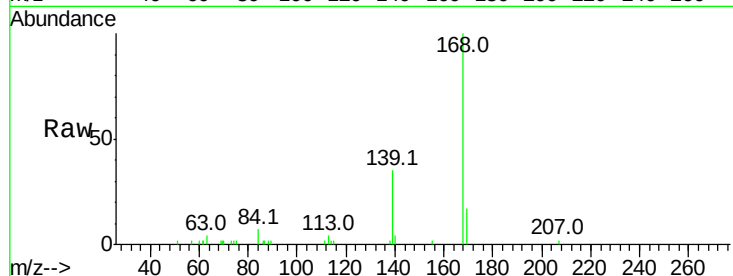
Tot Ion:139 Resp: 5208

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

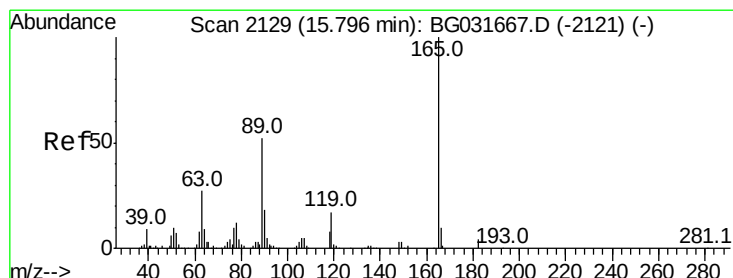
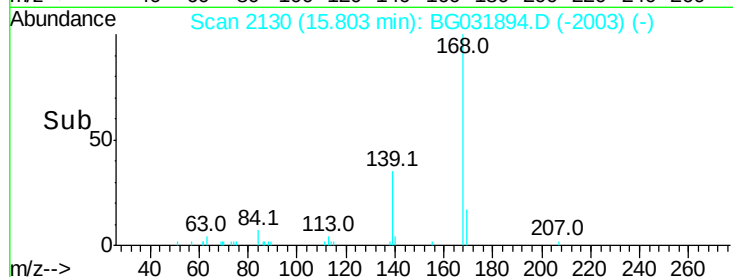
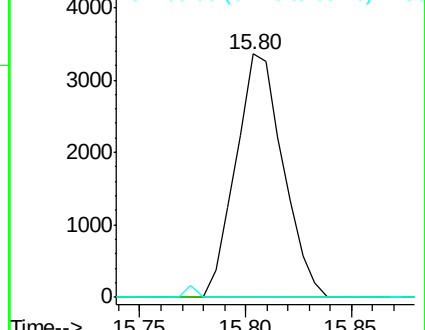
65 0.0 97.2 137.2#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#56

2,4-Dinitrotoluene

Concen: 6.411 ng

RT: 15.42 min Scan# 2064

Delta R.T. -0.34 min

Lab File: BG031894.D

Acq: 3 Jan 2018 17:15

Tgt Ion:165 Resp: 17852

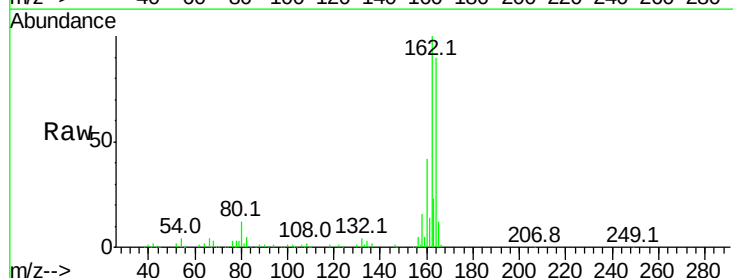
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

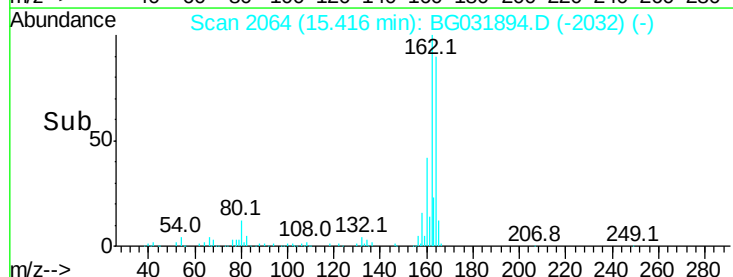
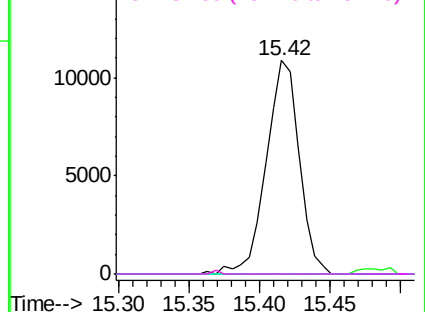


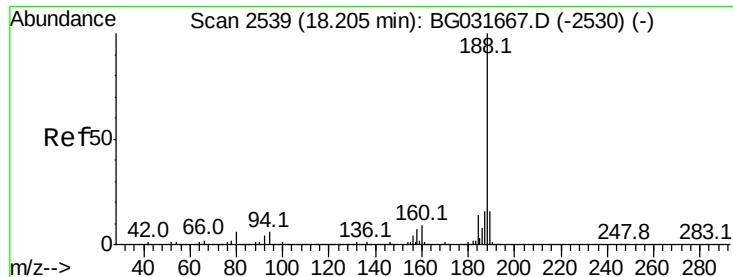
Abundance Ion 165.00 (164.70 to 165.70): E

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

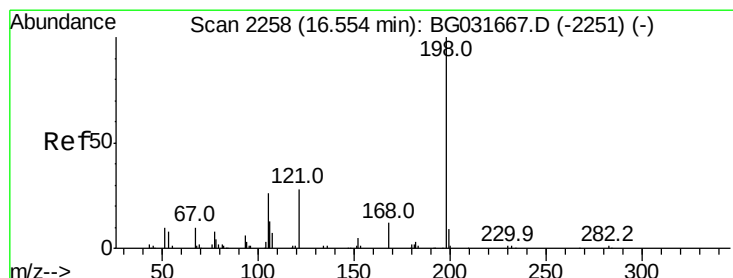
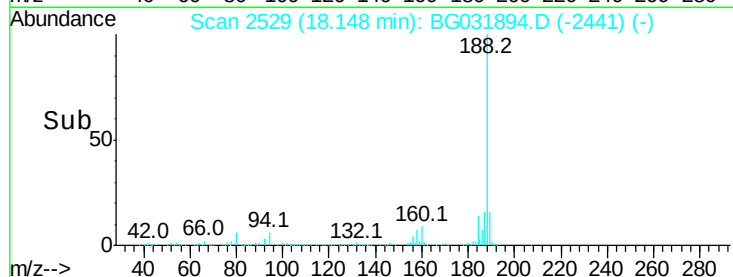
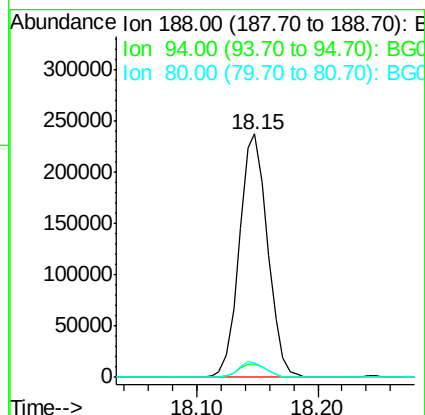
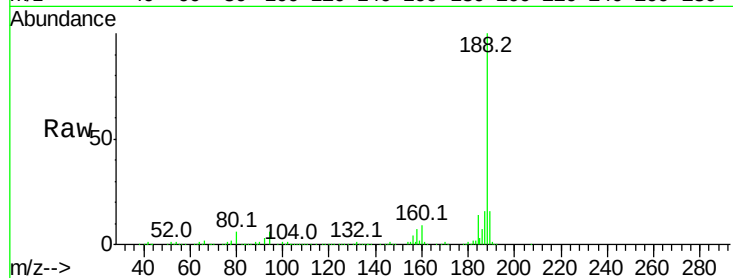




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.15 min Scan# 2529
Delta R.T. -0.01 min
Lab File: BG031894.D
Acq: 3 Jan 2018 17:15

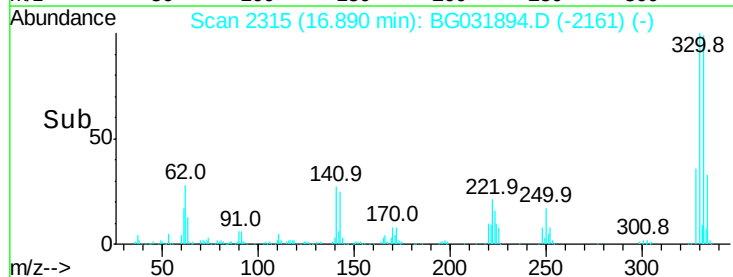
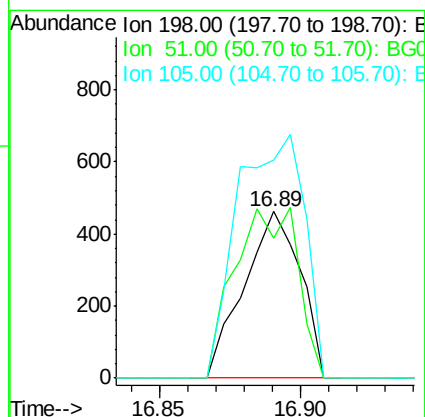
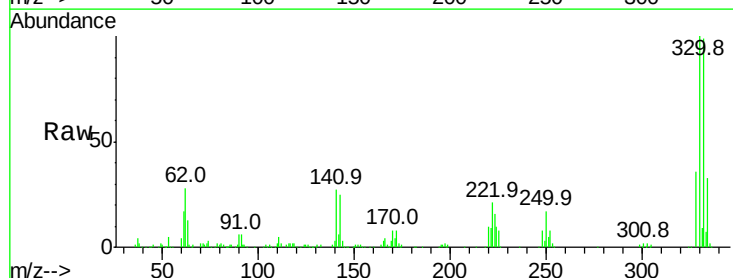
Instrument :
BNA_G
ClientSampleId :

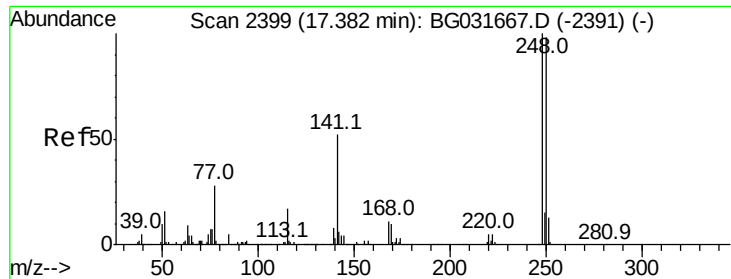
Tot Ion:188 Resp: 386625
Ion Ratio Lower Upper
188 100
94 5.6 6.9 10.3#
80 6.0 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 8.586 ng
RT: 16.89 min Scan# 2315
Delta R.T. 0.38 min
Lab File: BG031894.D
Acq: 3 Jan 2018 17:15

Tgt Ion:198 Resp: 637
Ion Ratio Lower Upper
198 100
51 83.8 30.6 70.6#
105 130.5 23.8 63.8#

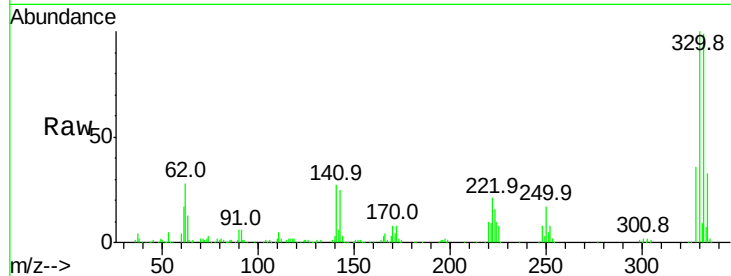




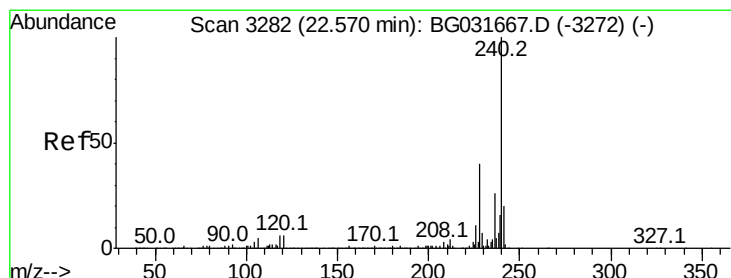
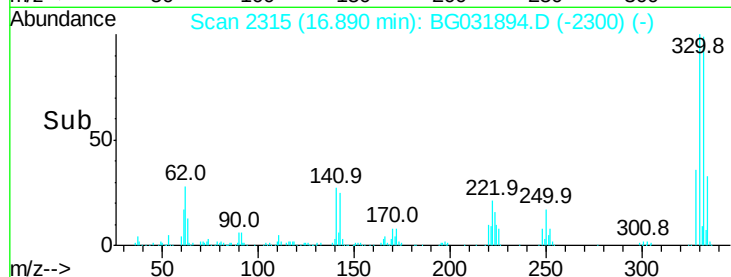
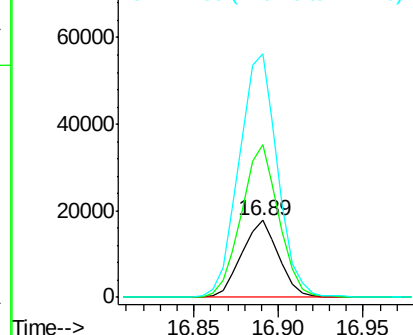
#66
4-Bromophenyl-phenylether
Concen: 4.810 ng
RT: 16.89 min Scan# 2315
Delta R.T. -0.44 min
Lab File: BG031894.D
Acq: 3 Jan 2018 17:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 26892
Ion Ratio Lower Upper
248 100
250 198.7 77.1 115.7#
141 317.1 50.8 76.2#

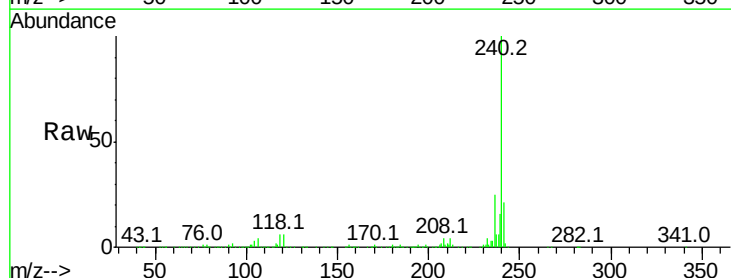


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

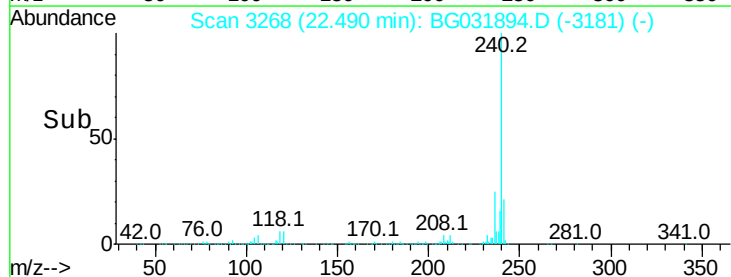
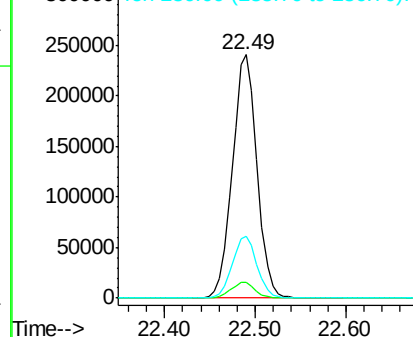


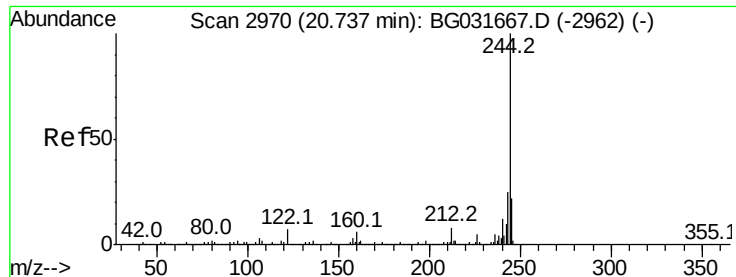
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.49 min Scan# 3268
Delta R.T. -0.02 min
Lab File: BG031894.D
Acq: 3 Jan 2018 17:15

Tgt Ion:240 Resp: 453420
Ion Ratio Lower Upper
240 100
120 6.3 6.8 10.2#
236 25.3 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



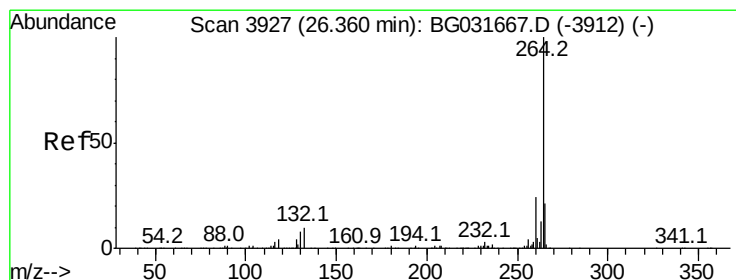
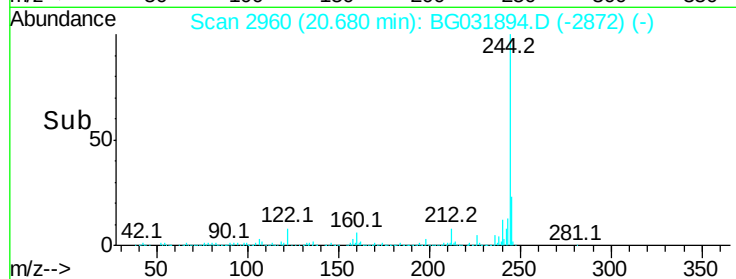
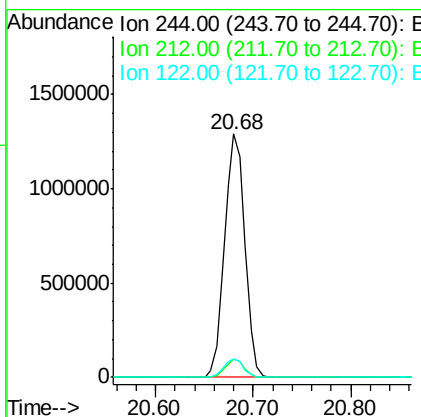
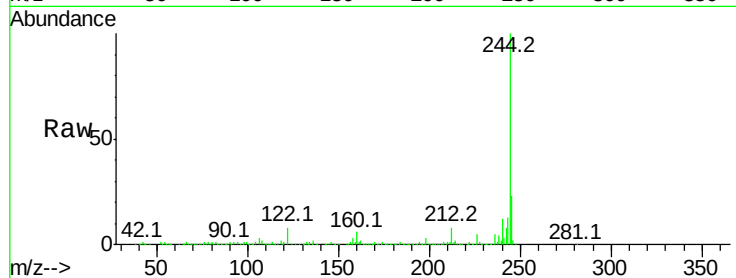


#78
 Terphenyl-d14
 Concen: 93.437 ng
 RT: 20.68 min Scan# 2960
 Delta R.T. -0.01 min
 Lab File: BG031894.D
 Acq: 3 Jan 2018 17:15

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1854384

Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.8	8.8
122	7.5	7.0	10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.22 min Scan# 3903
 Delta R.T. -0.03 min
 Lab File: BG031894.D
 Acq: 3 Jan 2018 17:15

Tgt Ion:264 Resp: 471582

Ion	Ratio	Lower	Upper
264	100		
260	22.9	17.4	26.0
265	22.3	17.7	26.5

