

Data Path : U:\HPCHEM1\BNA G\DATA\BG012918\
 Data File : BG032431.D
 Acq On : 30 Jan 2018 1:35
 Operator : SJ/JU
 Sample : J1303-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 30 05:13:16 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 29 15:32:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.72	152	25262	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	109200	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	82132	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	232785	20.00	ng	0.00
75) Chrysene-d12	22.42	240	281829	20.00	ng	0.00
86) Perylene-d12	26.10	264	304305	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	197466	157.00	ng	0.00
7) Phenol-d6	7.83	99	238431	142.07	ng	0.00
23) Nitrobenzene-d5	9.92	82	181250	103.67	ng	0.00
41) 2,4,6-Tribromophenol	16.84	330	230516	147.45	ng	0.00
44) 2-Fluorobiphenyl	13.99	172	682089	98.71	ng	0.00
78) Terphenyl-d14	20.63	244	1447719	110.04	ng	0.00

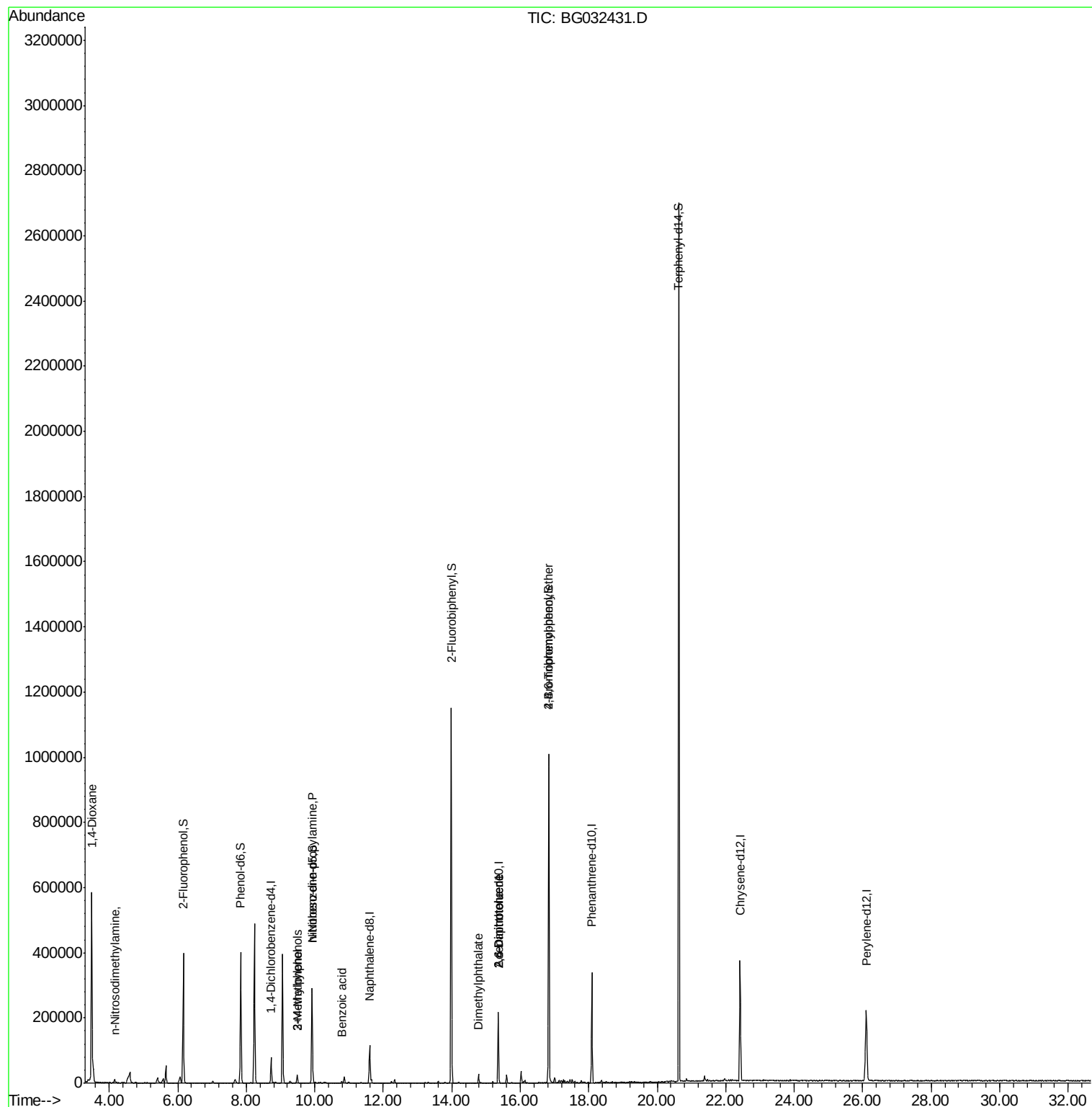
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.49	88	5490	12.974	ng	# 1
4) n-Nitrosodimethylamine	4.16	42	1335	2.244	ng	# 1
17) 2-Methylphenol	9.49	107	13065	10.093	ng	# 68
19) n-Nitroso-di-n-propylamine	9.92	70	25376	22.804	ng	# 75
20) 3+4-Methylphenols	9.49	107	13065	7.195	ng	# 87
32) Benzoic acid	10.80	122	2397	9.142	ng	# 75
49) Dimethylphthalate	14.78	163	21223	2.802	ng	# 99
50) 2,6-Dinitrotoluene	15.36	165	11831	7.443	ng	# 20
56) 2,4-Dinitrotoluene	15.36	165	11831	5.228	ng	# 18
66) 4-Bromophenyl-phenylether	16.84	248	18979	5.503	ng	# 1

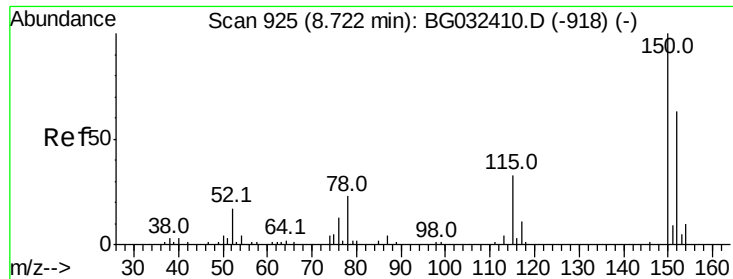
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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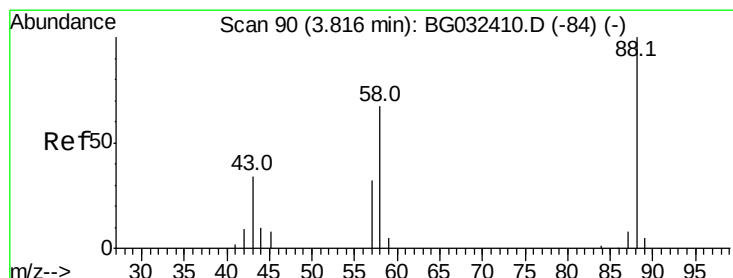
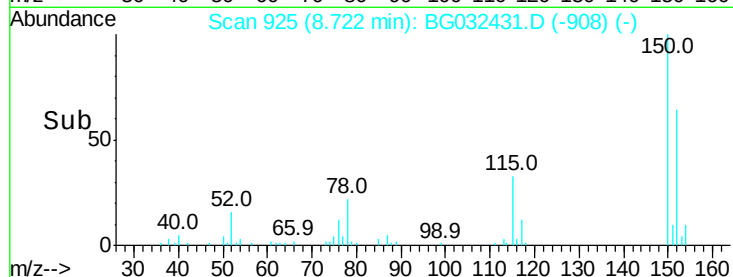
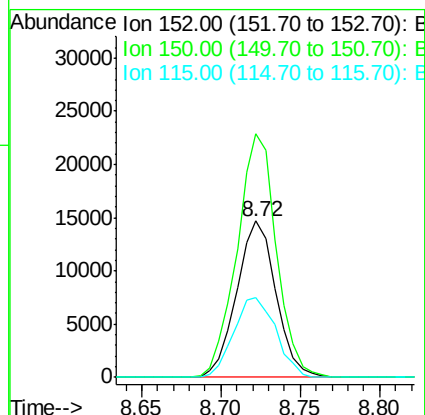
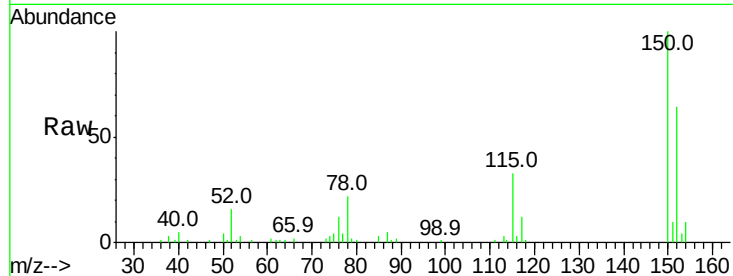


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.72 min Scan# 925
Delta R.T. 0.00 min
Lab File: BG032431.D
Acq: 30 Jan 2018 1:35

Instrument :
BNA_G
ClientSampleId :

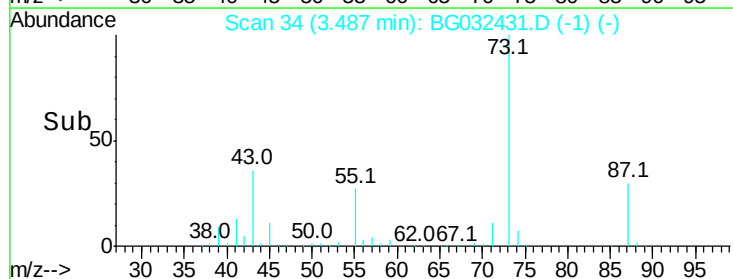
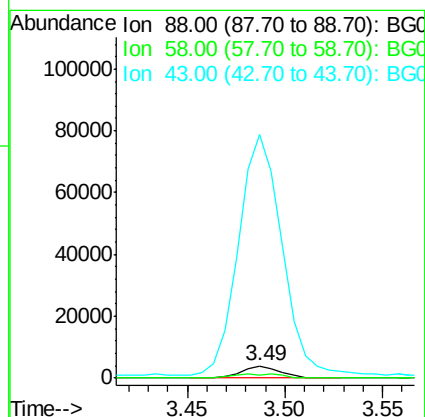
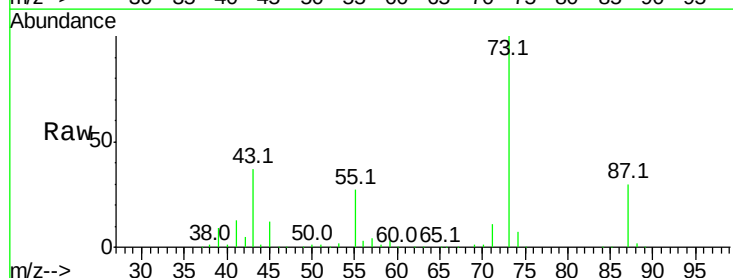
Tot Ion:152 Resp: 25262
Ion Ratio Lower Upper
152 100
150 155.8 126.6 189.8
115 51.1 53.0 79.4#

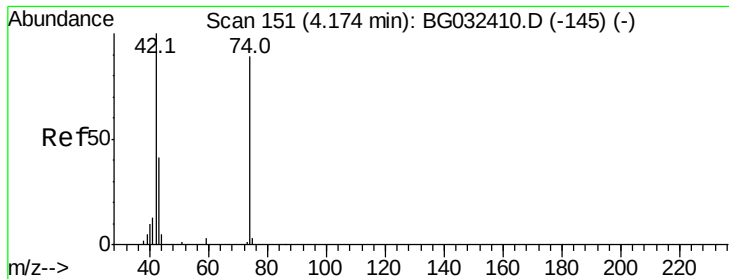


#2

1,4-Dioxane
Concen: 12.974 ng
RT: 3.49 min Scan# 34
Delta R.T. -0.33 min
Lab File: BG032431.D
Acq: 30 Jan 2018 1:35

Tgt Ion: 88 Resp: 5490
Ion Ratio Lower Upper
88 100
58 46.4 79.6 119.4#
43 2185.5 27.4 41.0#



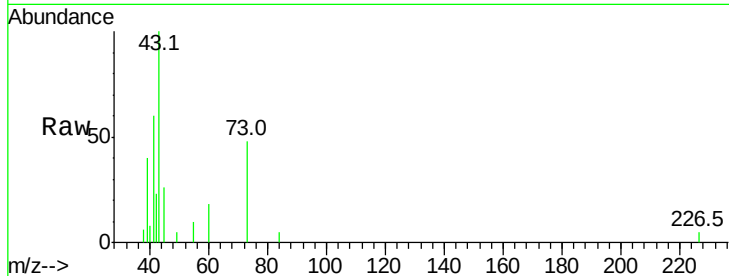


#4

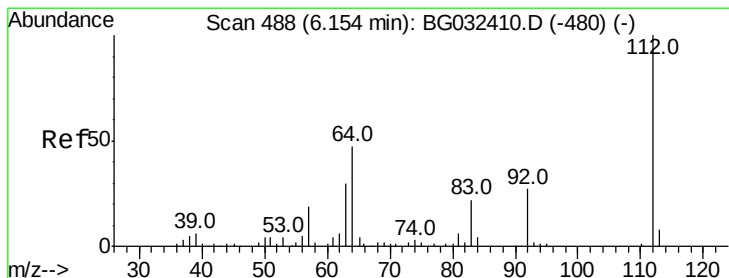
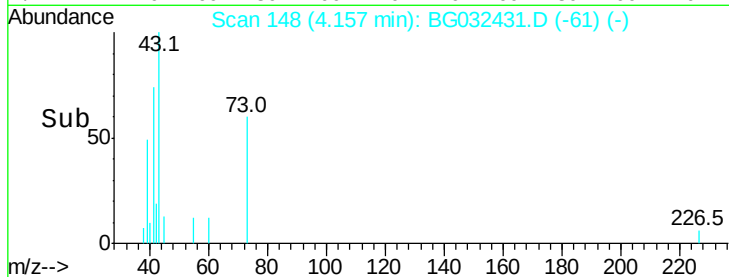
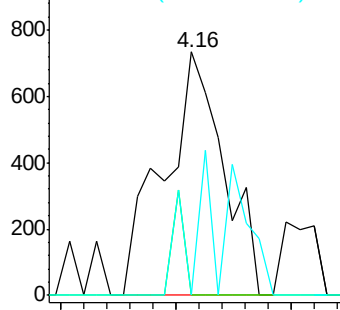
n-Nitrosodimethylamine
 Concen: 2.244 ng
 RT: 4.16 min Scan# 148
 Delta R.T. -0.02 min
 Lab File: BG032431.D
 Acq: 30 Jan 2018 1:35

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
42	100		
74	0.0	102.5	153.7#
44	0.0	18.9	28.3#



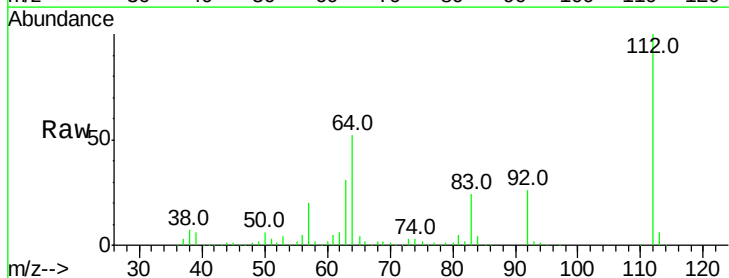
Abundance Ion 42.00 (41.70 to 42.70): BGC
 Ion 74.00 (73.70 to 74.70): BGC
 Ion 44.00 (43.70 to 44.70): BGC



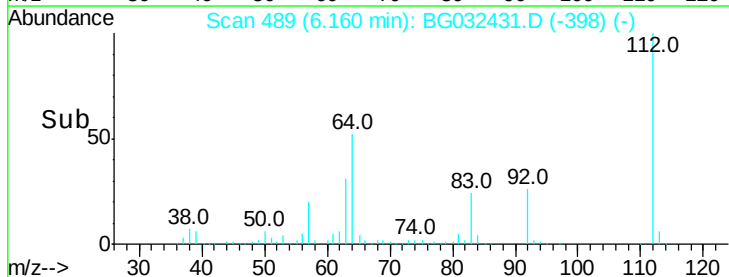
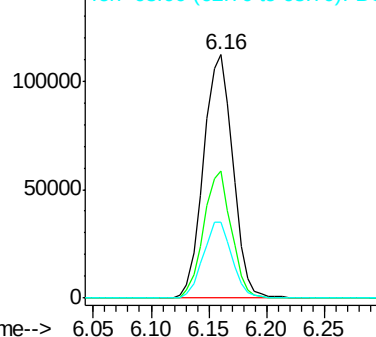
#5

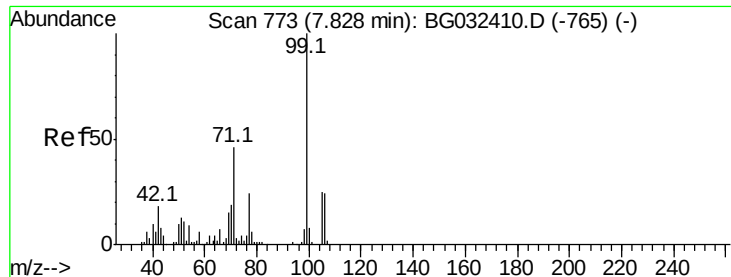
2-Fluorophenol
 Concen: 157.003 ng
 RT: 6.16 min Scan# 489
 Delta R.T. 0.01 min
 Lab File: BG032431.D
 Acq: 30 Jan 2018 1:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.2	56.3	84.5#
63	31.0	30.1	45.1



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





#7

Phenol-d6

Concen: 142.065 ng

RT: 7.83 min Scan# 774

Delta R.T. 0.01 min

Lab File: BG032431.D

Acq: 30 Jan 2018 1:35

Instrument :

BNA_G

ClientSampleId :

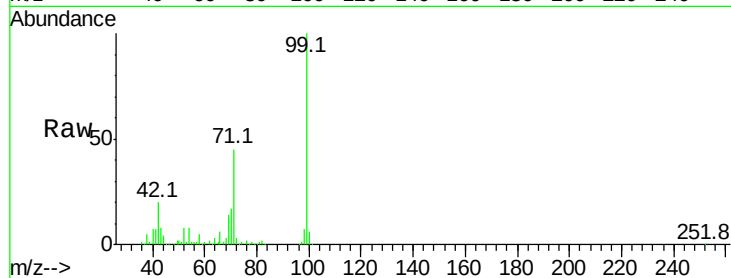
Tot Ion: 99 Resp: 238431

Ion Ratio Lower Upper

99 100

42 19.6 14.1 21.1

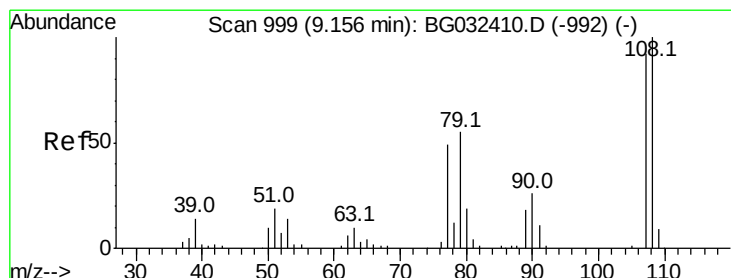
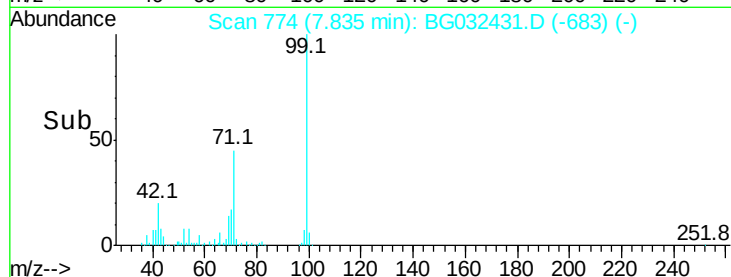
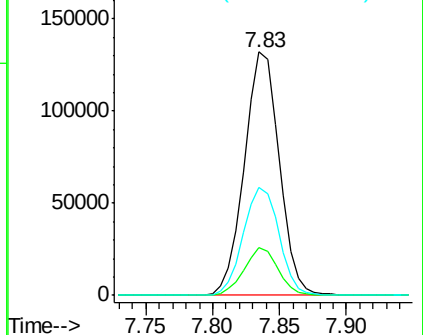
71 44.5 26.1 39.1#



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



#17

2-Methylphenol

Concen: 10.093 ng

RT: 9.49 min Scan# 1055

Delta R.T. 0.33 min

Lab File: BG032431.D

Acq: 30 Jan 2018 1:35

Tgt Ion: 107 Resp: 13065

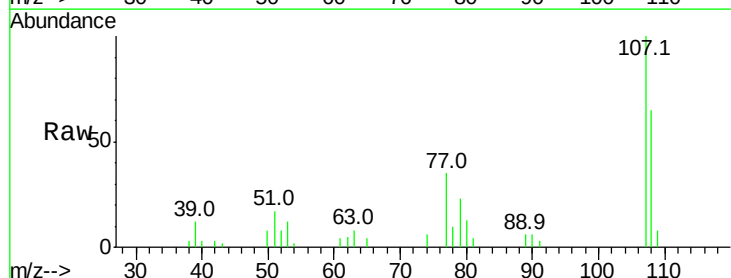
Ion Ratio Lower Upper

107 100

108 65.5 83.9 125.9#

77 35.0 37.2 55.8#

79 22.7 36.2 54.2#

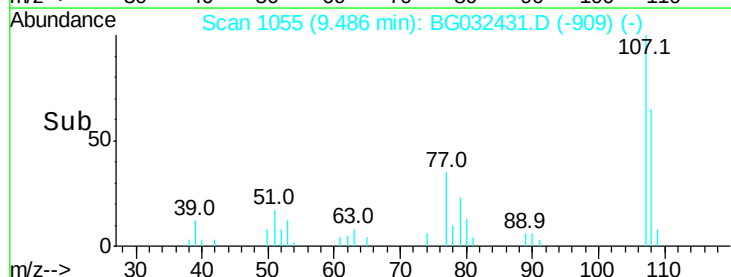
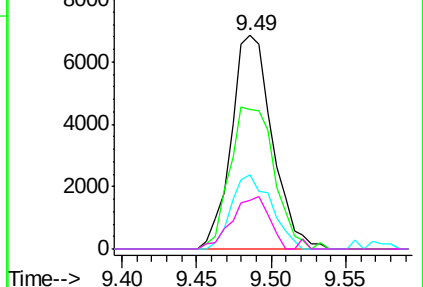


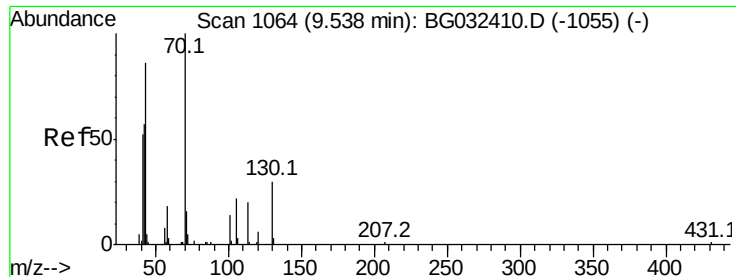
Abundance Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

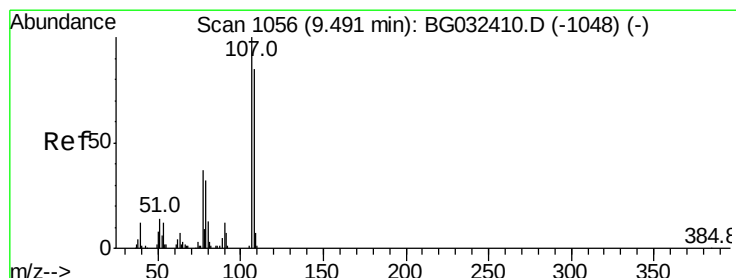
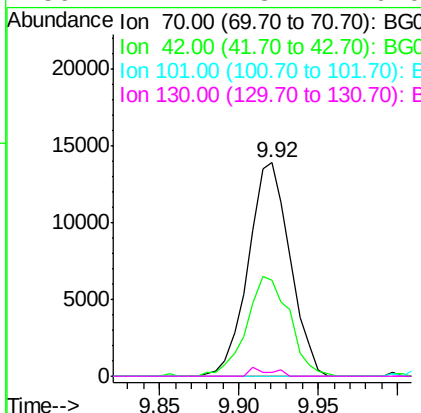
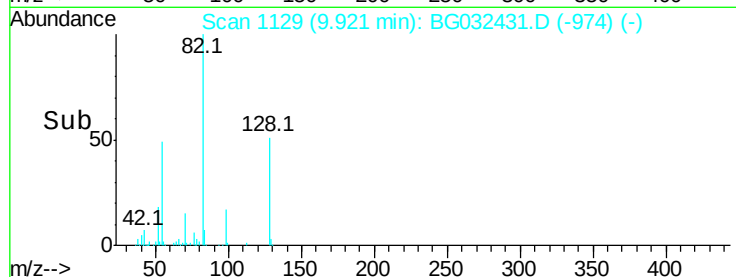
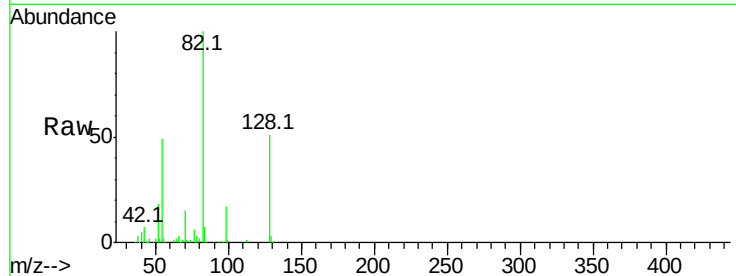




#19
 n-Nitroso-di-n-propylamine
 Concen: 22.804 ng
 RT: 9.92 min Scan# 1129
 Delta R.T. 0.38 min
 Lab File: BG032431.D
 Acq: 30 Jan 2018 1:35

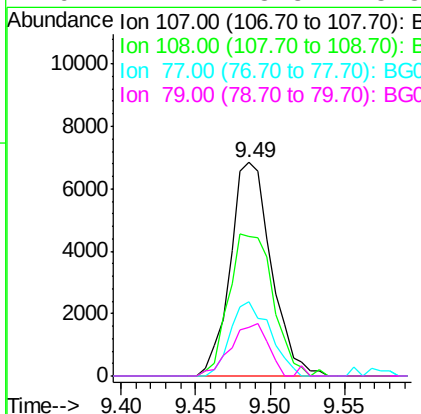
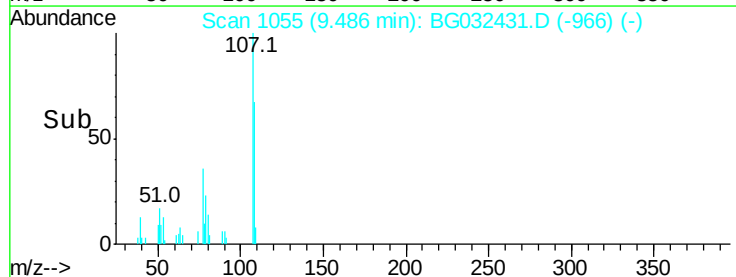
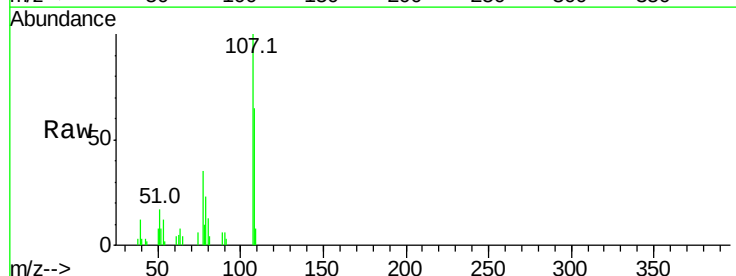
Instrument :
 BNA_G
 ClientSampleId :

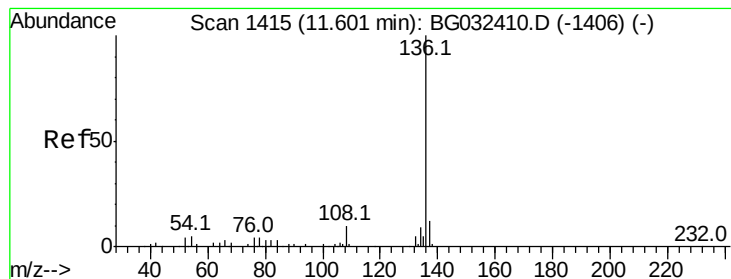
Tot Ion: 70 Resp: 25376
 Ion Ratio Lower Upper
 70 100
 42 45.1 49.1 73.7#
 101 0.0 8.5 12.7#
 130 1.7 13.4 20.0#



#20
 3+4-Methylphenols
 Concen: 7.195 ng
 RT: 9.49 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: BG032431.D
 Acq: 30 Jan 2018 1:35

Tgt Ion: 107 Resp: 13065
 Ion Ratio Lower Upper
 107 100
 108 65.5 61.6 101.6
 77 35.0 13.9 53.9
 79 22.7 8.8 48.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.60 min Scan# 1415

Delta R.T. 0.00 min

Lab File: BG032431.D

Acq: 30 Jan 2018 1:35

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 109200

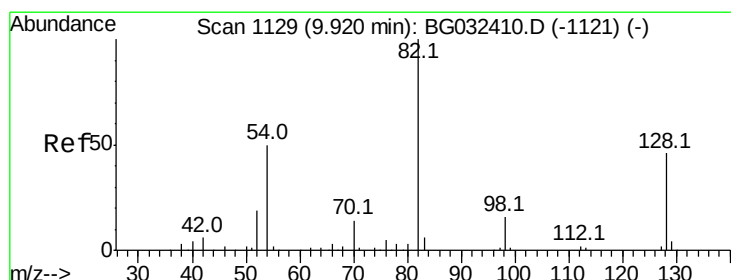
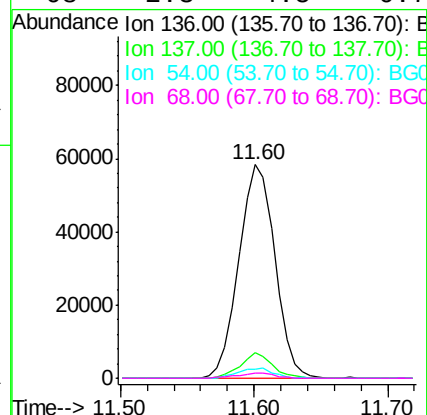
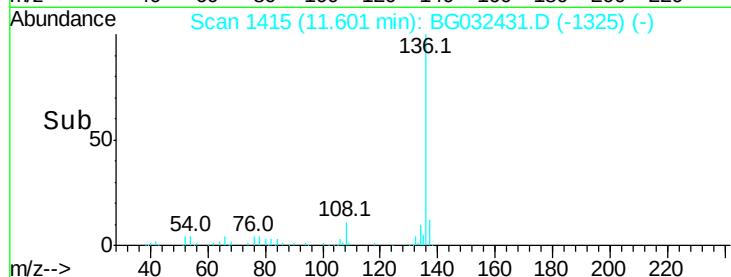
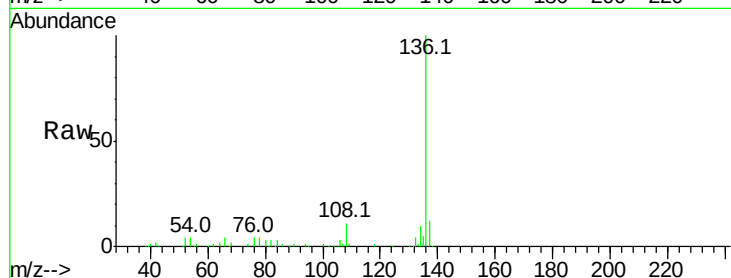
Ion Ratio Lower Upper

136 100

137 12.2 9.2 13.8

54 4.3 10.3 15.5#

68 2.3 4.5 6.7#



#23

Nitrobenzene-d5

Concen: 103.672 ng

RT: 9.92 min Scan# 1129

Delta R.T. 0.00 min

Lab File: BG032431.D

Acq: 30 Jan 2018 1:35

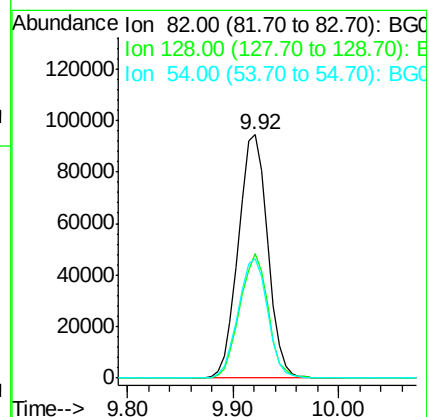
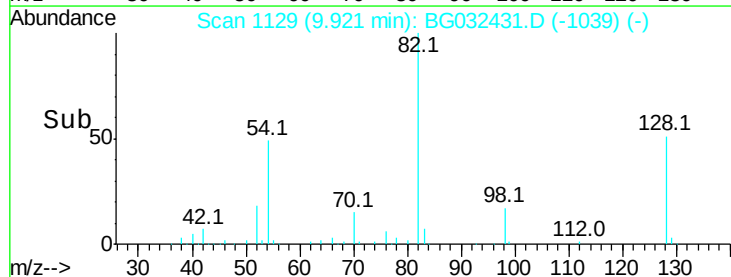
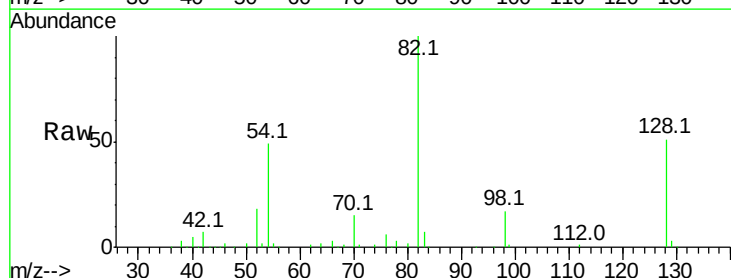
Tgt Ion: 82 Resp: 181250

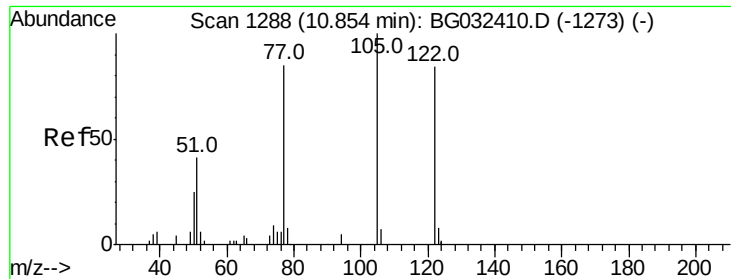
Ion Ratio Lower Upper

82 100

128 51.1 29.7 44.5#

54 49.0 43.1 64.7

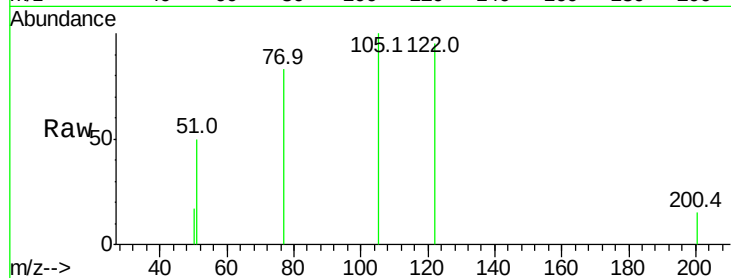




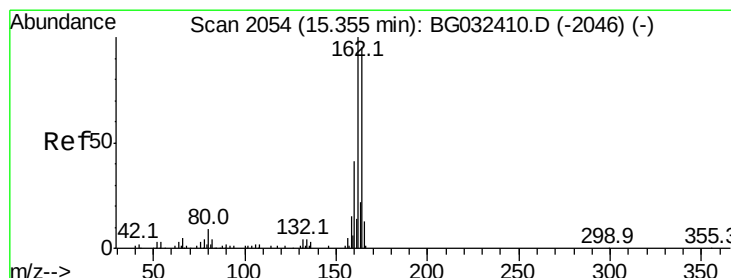
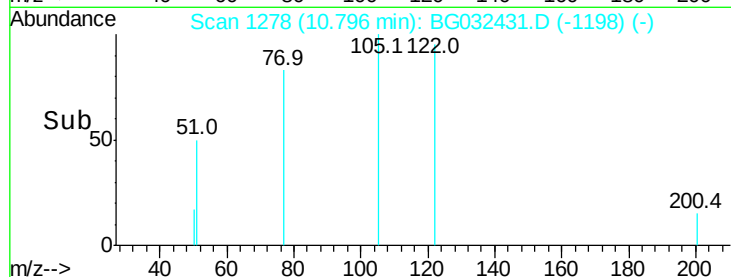
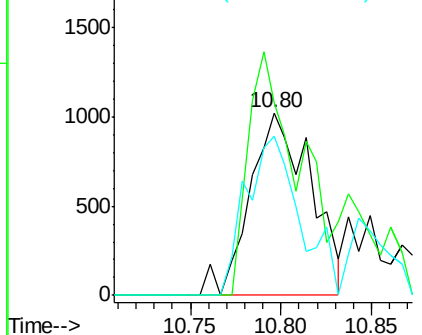
#32
Benzoic acid
Concen: 9.142 ng
RT: 10.80 min Scan# 1278
Delta R.T. -0.06 min
Lab File: BG032431.D
Acq: 30 Jan 2018 1:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion:122 Resp: 2397
Ion Ratio Lower Upper
122 100
105 105.4 123.5 163.5#
77 87.3 85.7 125.7

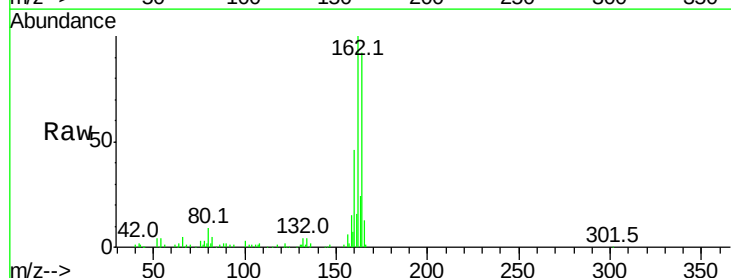


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

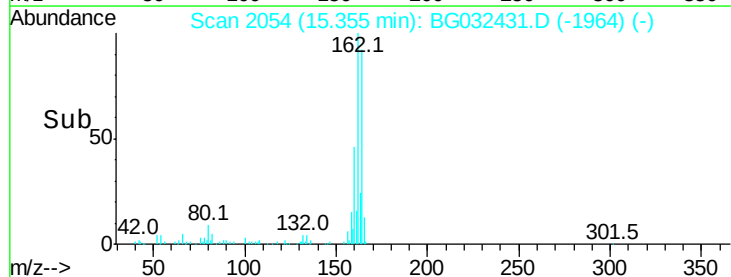
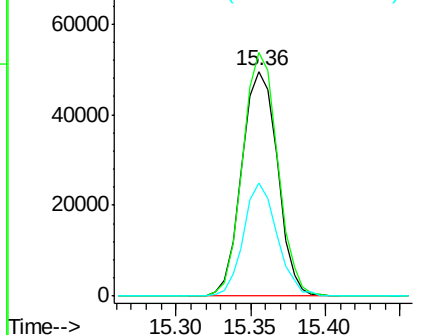


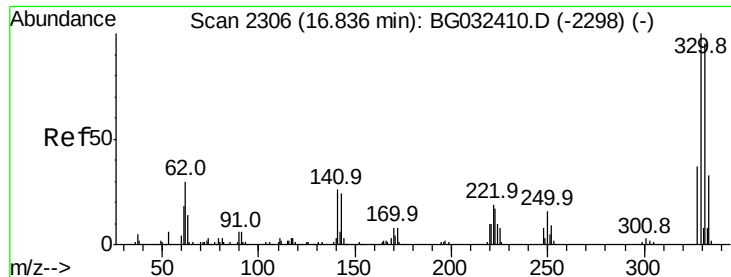
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.36 min Scan# 2054
Delta R.T. 0.00 min
Lab File: BG032431.D
Acq: 30 Jan 2018 1:35

Tgt Ion:164 Resp: 82132
Ion Ratio Lower Upper
164 100
162 108.5 78.8 118.2
160 50.3 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

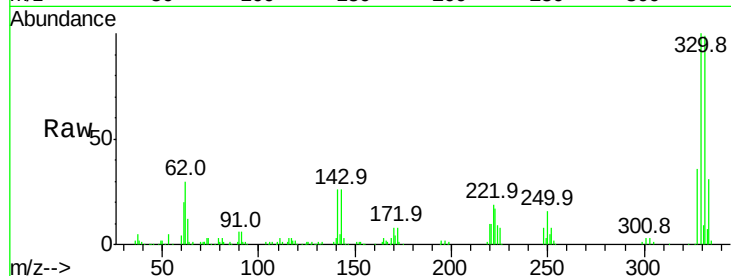




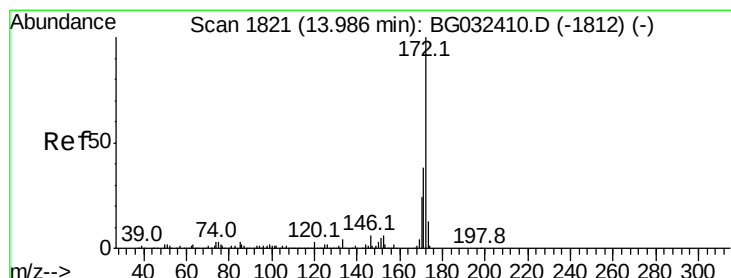
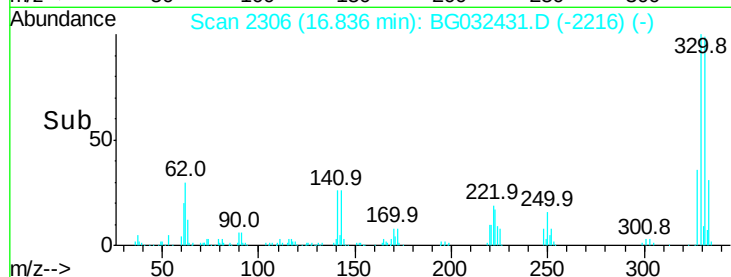
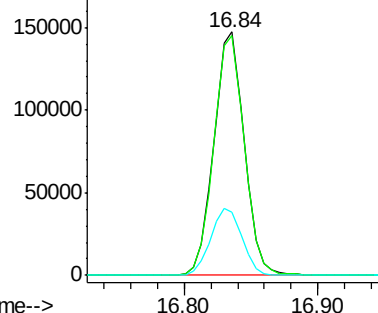
#41
 2,4,6-Tribromophenol
 Concen: 147.447 ng
 RT: 16.84 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: BG032431.D
 Acq: 30 Jan 2018 1:35

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.2	77.0	115.6
141	28.7	25.2	37.8

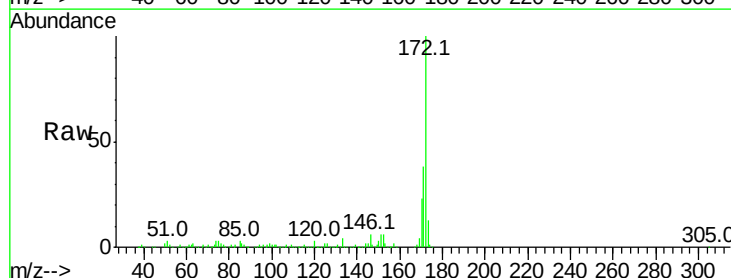


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

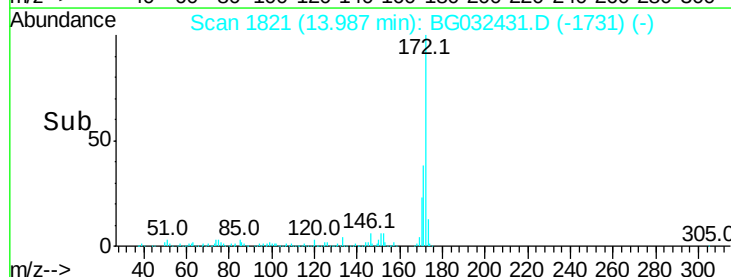
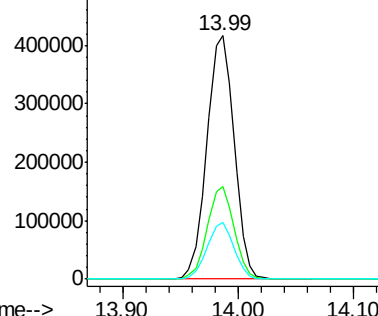


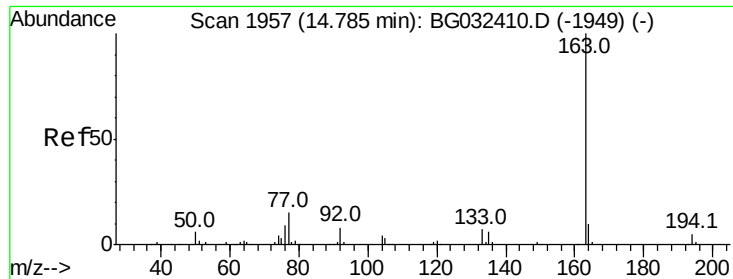
#44
 2-Fluorobiphenyl
 Concen: 98.708 ng
 RT: 13.99 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: BG032431.D
 Acq: 30 Jan 2018 1:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.8	30.0	45.0
170	23.3	19.5	29.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 2.802 ng

RT: 14.78 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BG032431.D

Acq: 30 Jan 2018 1:35

Instrument :

BNA_G

ClientSampleId :

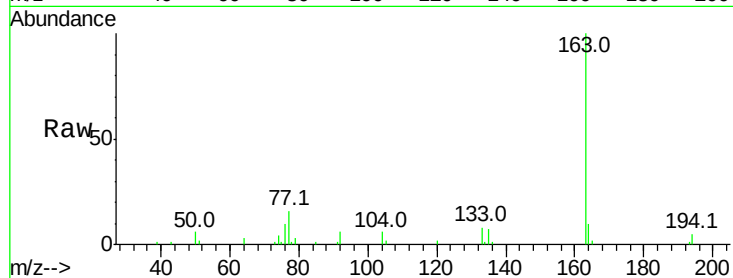
Tot Ion:163 Resp: 21223

Ion Ratio Lower Upper

163 100

194 5.2 3.4 5.2#

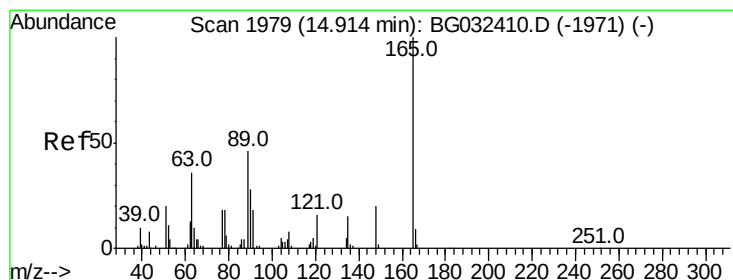
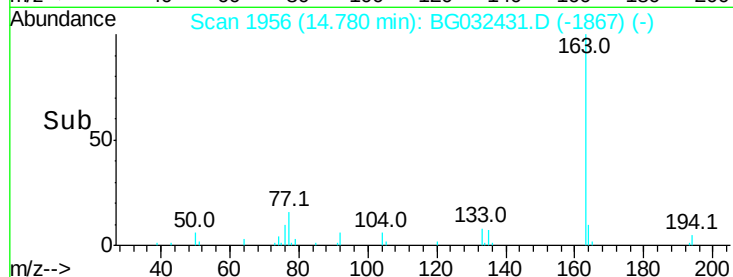
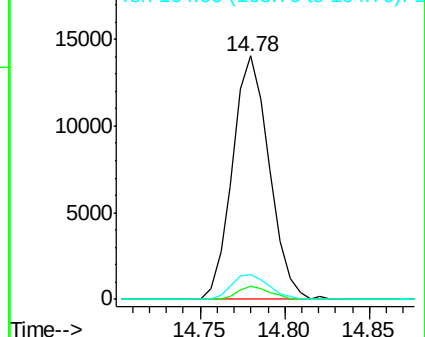
164 10.4 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 7.443 ng

RT: 15.36 min Scan# 2054

Delta R.T. 0.44 min

Lab File: BG032431.D

Acq: 30 Jan 2018 1:35

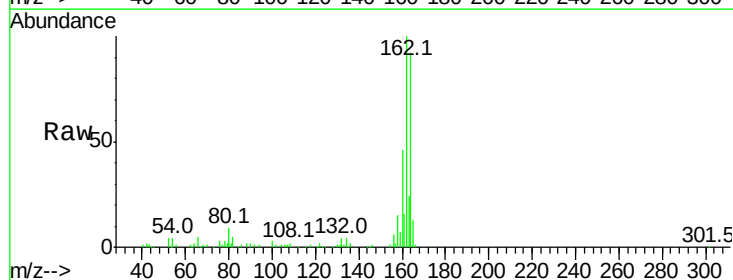
Tgt Ion:165 Resp: 11831

Ion Ratio Lower Upper

165 100

63 2.6 52.7 79.1#

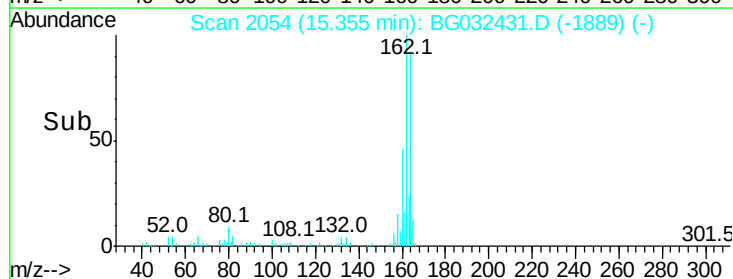
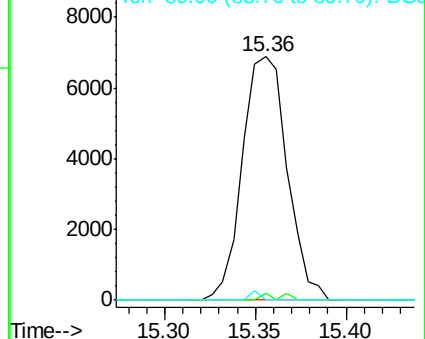
89 0.0 49.2 73.8#

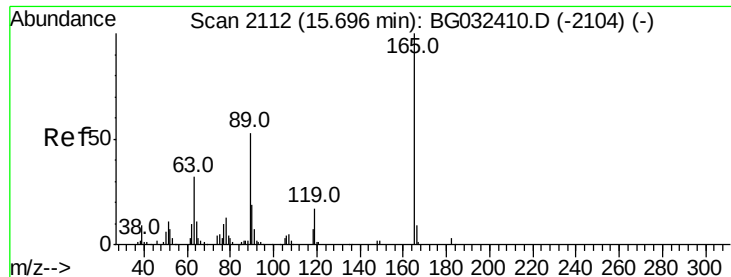


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

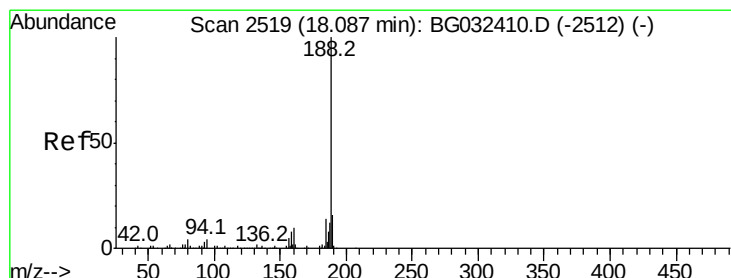
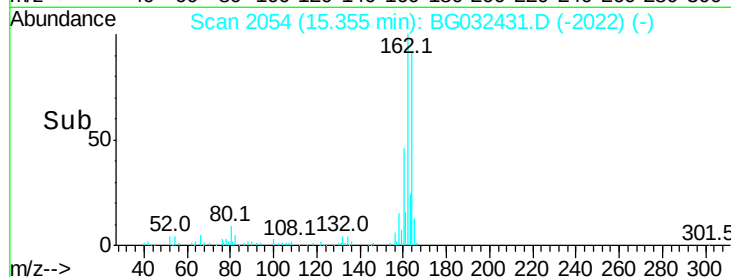
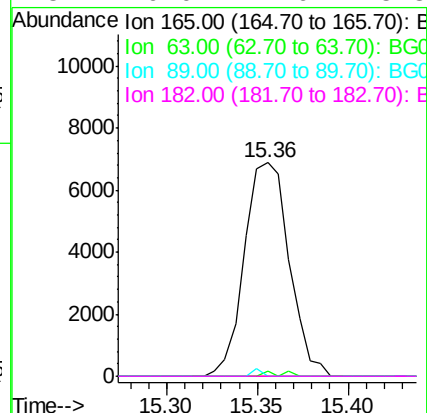
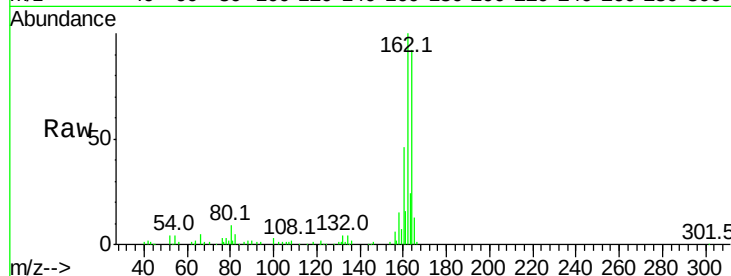




#56
 2,4-Dinitrotoluene
 Concen: 5.228 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. -0.34 min
 Lab File: BG032431.D
 Acq: 30 Jan 2018 1:35

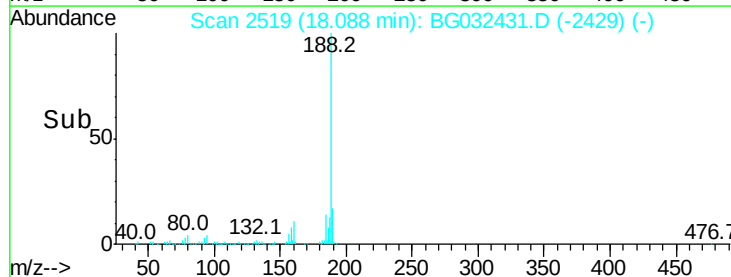
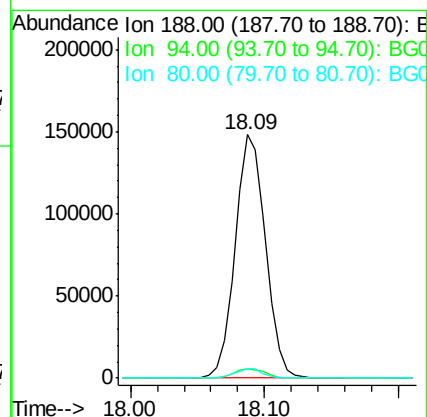
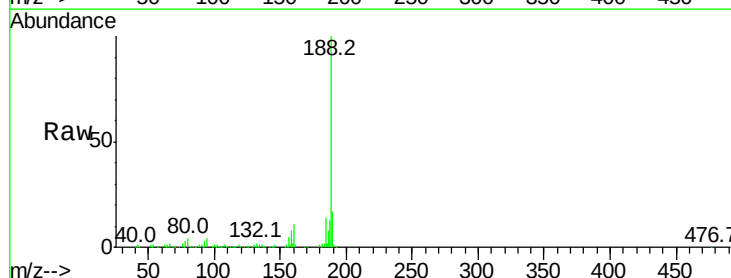
Instrument :
 BNA_G
 ClientSampleId :

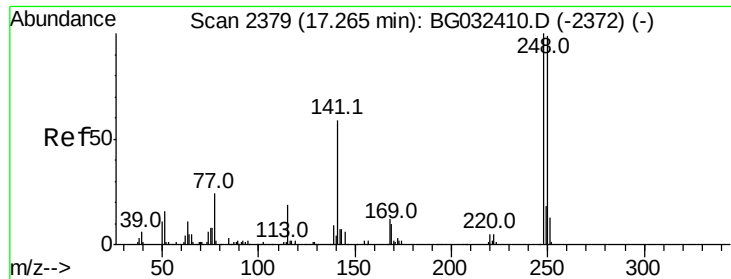
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.6	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.09 min Scan# 2519
 Delta R.T. 0.00 min
 Lab File: BG032431.D
 Acq: 30 Jan 2018 1:35

Tgt Ion	Ratio	Lower	Upper
188	100		
94	3.7	6.9	10.3#
80	4.0	7.7	11.5#

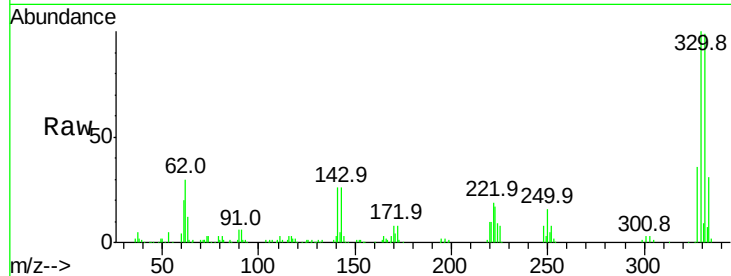




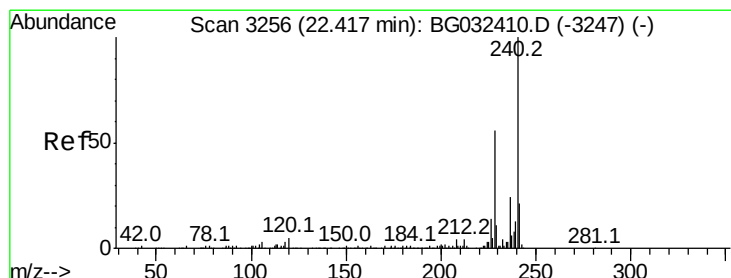
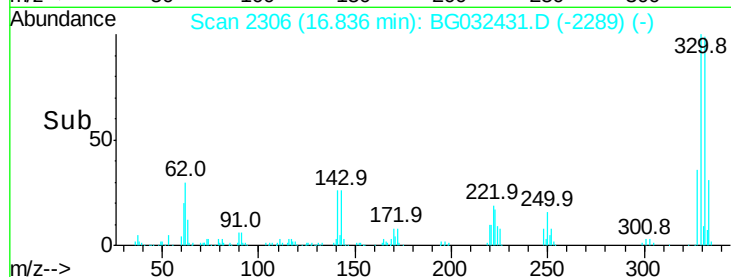
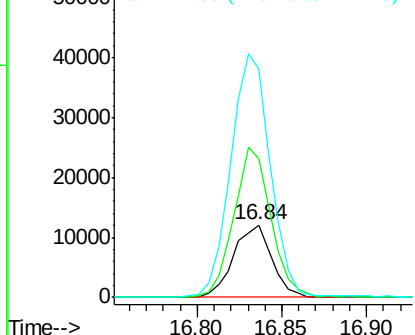
#66
4-Bromophenyl-phenylether
Concen: 5.503 ng
RT: 16.84 min Scan# 2306
Delta R.T. -0.43 min
Lab File: BG032431.D
Acq: 30 Jan 2018 1:35

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 18979
Ion Ratio Lower Upper
248 100
250 190.2 77.1 115.7#
141 314.2 50.8 76.2#

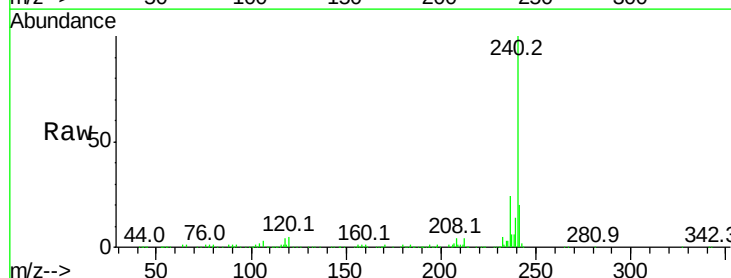


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

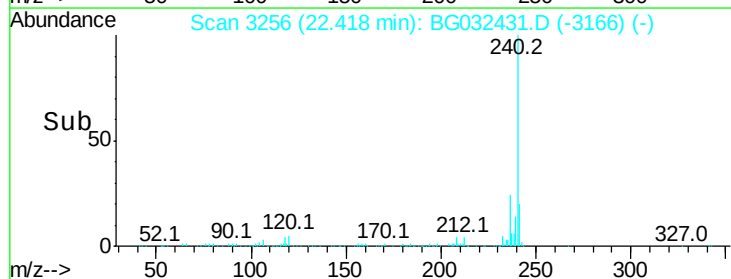
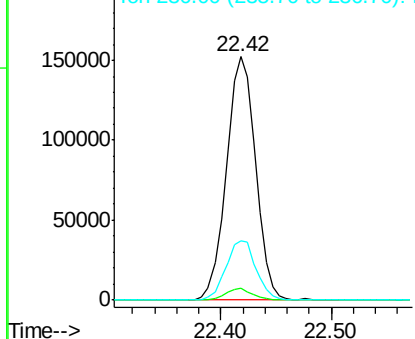


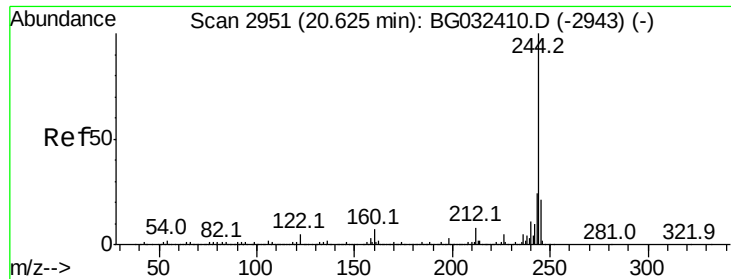
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.42 min Scan# 3256
Delta R.T. 0.00 min
Lab File: BG032431.D
Acq: 30 Jan 2018 1:35

Tgt Ion:240 Resp: 281829
Ion Ratio Lower Upper
240 100
120 4.7 6.8 10.2#
236 24.5 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

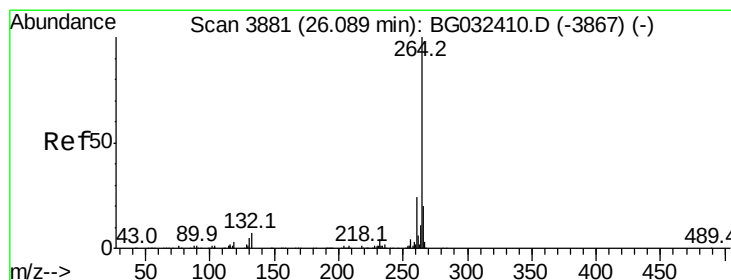
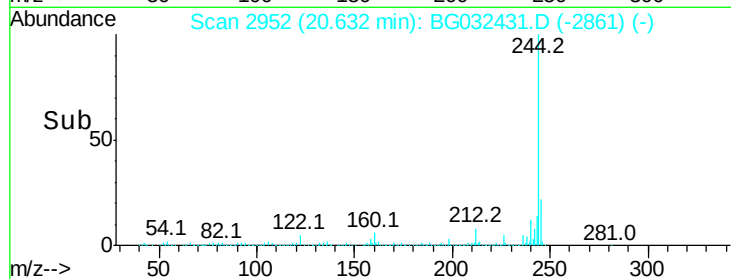
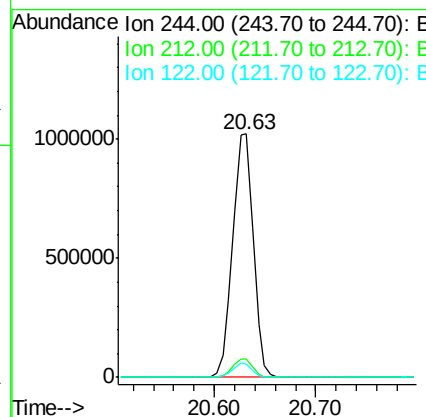
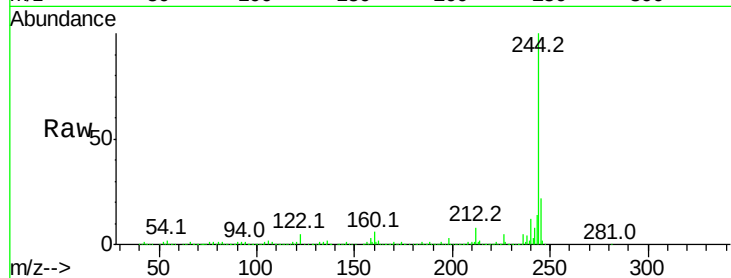




#78
 Terphenyl-d14
 Concen: 110.036 ng
 RT: 20.63 min Scan# 2952
 Delta R.T. 0.01 min
 Lab File: BG032431.D
 Acq: 30 Jan 2018 1:35

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1447719
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.8 8.8
 122 5.2 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: BG032431.D
 Acq: 30 Jan 2018 1:35

Tgt Ion:264 Resp: 304305
 Ion Ratio Lower Upper
 264 100
 260 23.4 17.4 26.0
 265 20.7 17.7 26.5

