

Data Path : U:\HPCHEM1\BNA G\DATA\BG012018\
 Data File : BG032188.D
 Acq On : 20 Jan 2018 20:35
 Operator : SJ/JU
 Sample : J1188-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 22 02:04:44 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 18 10:13:16 2018
 Response via : Initial Calibration

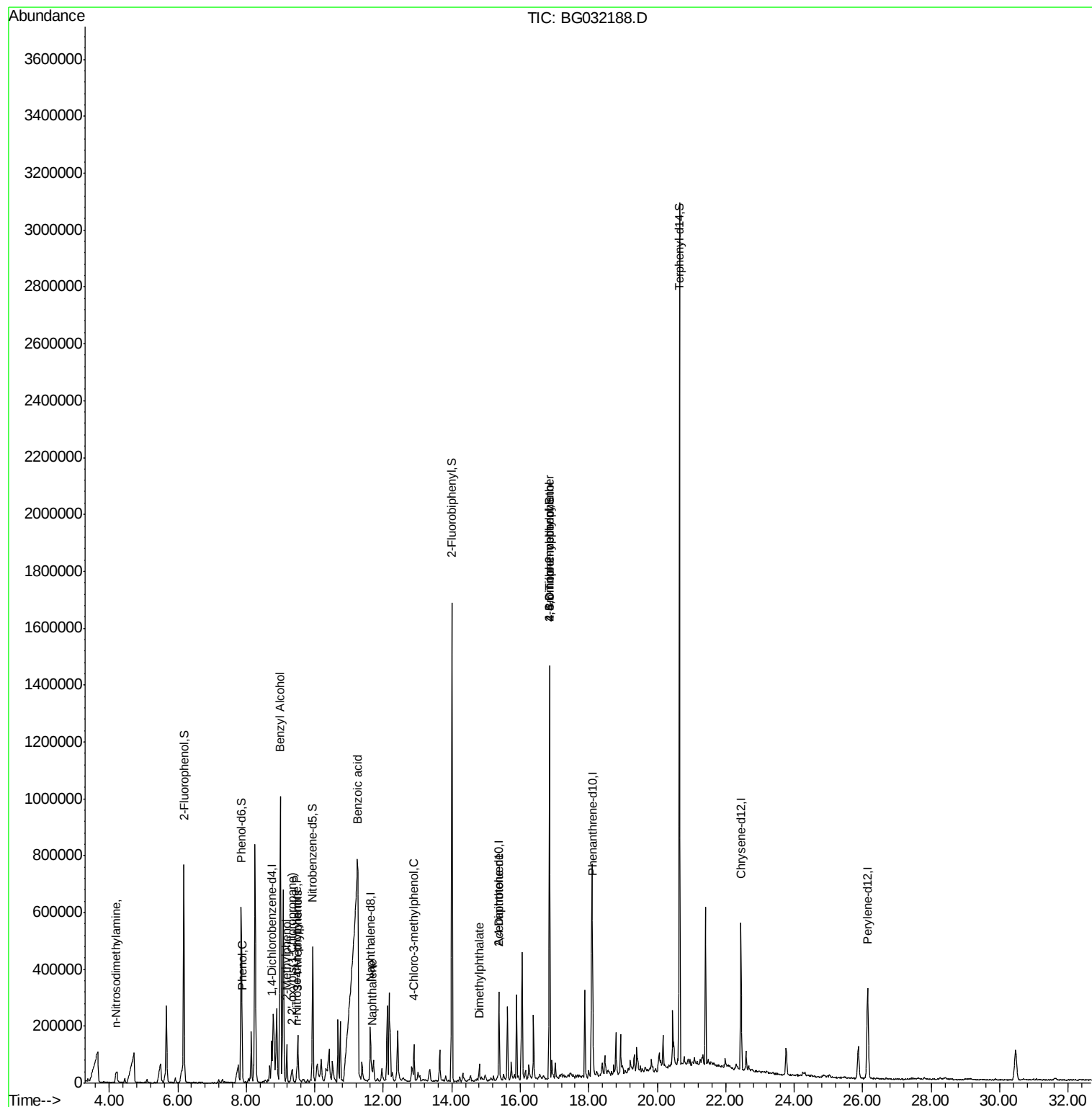
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	47760	20.00	ng	0.00
21) Naphthalene-d8	11.63	136	184052	20.00	ng	0.00
38) Acenaphthene-d10	15.37	164	118270	20.00	ng	0.00
63) Phenanthrene-d10	18.11	188	298949	20.00	ng	0.00
75) Chrysene-d12	22.45	240	401950	20.00	ng	0.00
86) Perylene-d12	26.14	264	434870	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.18	112	353389	135.33	ng	0.01
7) Phenol-d6	7.85	99	392113	119.23	ng	0.00
23) Nitrobenzene-d5	9.95	82	301027	110.65	ng	0.00
41) 2,4,6-Tribromophenol	16.85	330	339161	173.30	ng	0.00
44) 2-Fluorobiphenyl	14.01	172	993202	104.13	ng	0.00
78) Terphenyl-d14	20.65	244	1636750	89.91	ng	0.00
Target Compounds						
4) n-Nitrosodimethylamine	4.19	42	4575	4.863	ng	Qvalue # 6
10) Phenol	7.88	94	37753	11.653	ng	92
15) Benzyl Alcohol	8.99	79	442628	185.261	ng	96
16) 2,2'-oxybis(1-Chloropropan	9.35	45	7111	2.696	ng	84
17) 2-Methylphenol	9.18	107	44052	17.792	ng	93
19) n-Nitroso-di-n-propylamine	9.46	70	4813	2.359	ng	# 77
20) 3+4-Methylphenols	9.50	107	52815	15.398	ng	94
31) Naphthalene	11.68	128	18990	2.083	ng	96
32) Benzoic acid	11.26	122	1720093	753.590	ng	86
36) 4-Chloro-3-methylphenol	12.89	107	29643	10.315	ng	# 22
49) Dimethylphthalate	14.80	163	42236	4.081	ng	99
56) 2,4-Dinitrotoluene	15.37	165	15632	5.405	ng	# 20
64) 4,6-Dinitro-2-methylphenol	16.85	198	1289	5.489	ng	# 1
66) 4-Bromophenyl-phenylether	16.85	248	28470	6.693	ng	# 1

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

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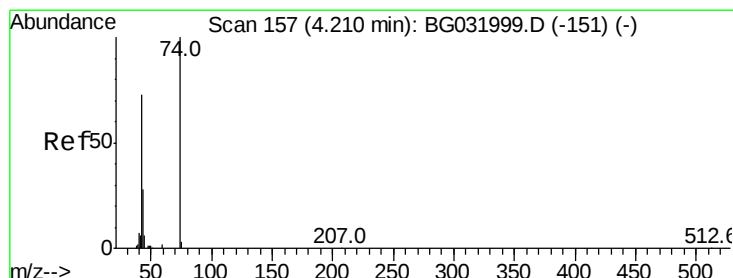
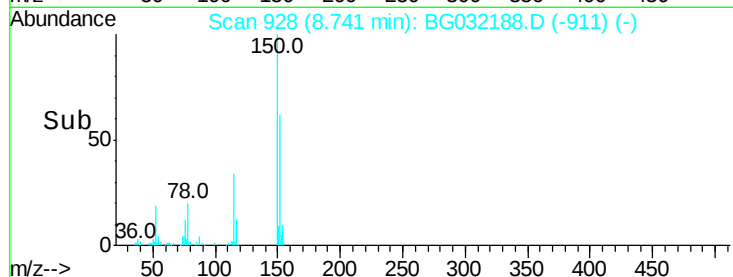
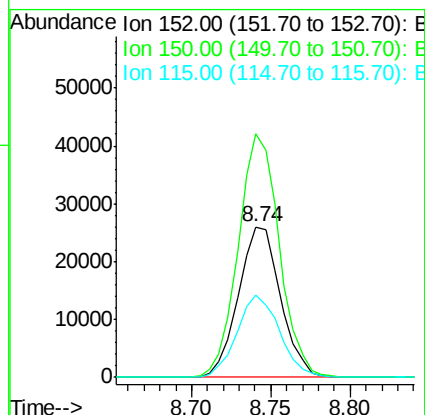
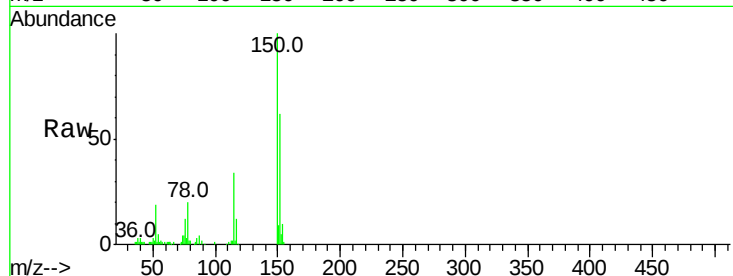


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.74 min Scan# 928
Delta R.T. -0.00 min
Lab File: BG032188.D
Acq: 20 Jan 2018 20:35

Instrument :
BNA_G
ClientSampleId :

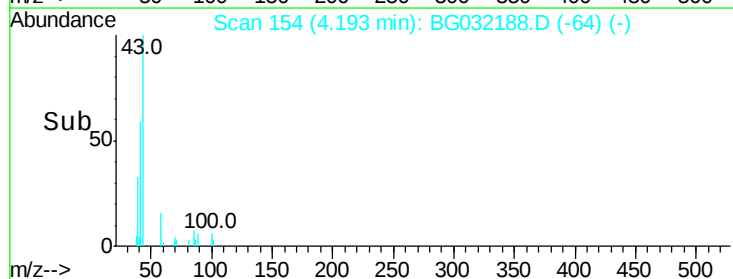
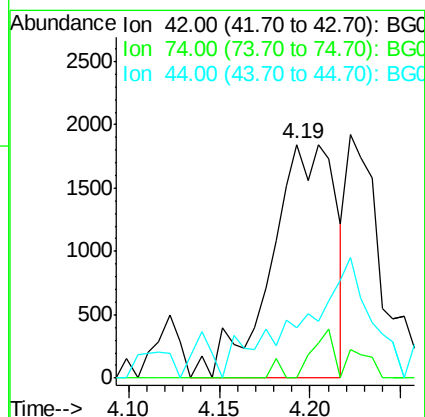
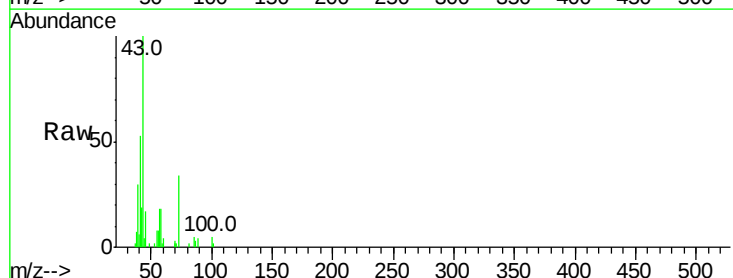
Tot Ion:152 Resp: 47760
Ion Ratio Lower Upper
152 100
150 161.9 126.6 189.8
115 55.0 53.0 79.4

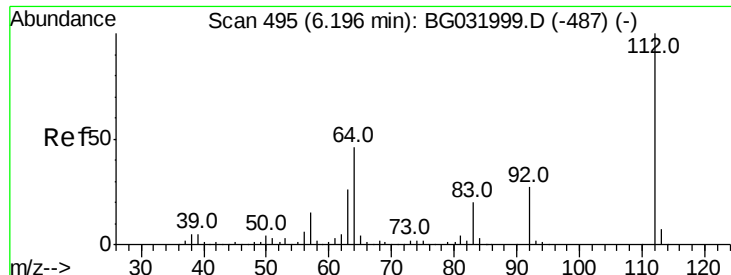


#4

n-Nitrosodimethylamine
Concen: 4.863 ng
RT: 4.19 min Scan# 154
Delta R.T. -0.00 min
Lab File: BG032188.D
Acq: 20 Jan 2018 20:35

Tgt Ion: 42 Resp: 4575
Ion Ratio Lower Upper
42 100
74 0.0 102.5 153.7#
44 21.7 18.9 28.3





#5

2-Fluorophenol

Concen: 135.328 ng

RT: 6.18 min Scan# 492

Delta R.T. 0.01 min

Lab File: BG032188.D

Acq: 20 Jan 2018 20:35

Instrument :

BNA_G

ClientSampleId :

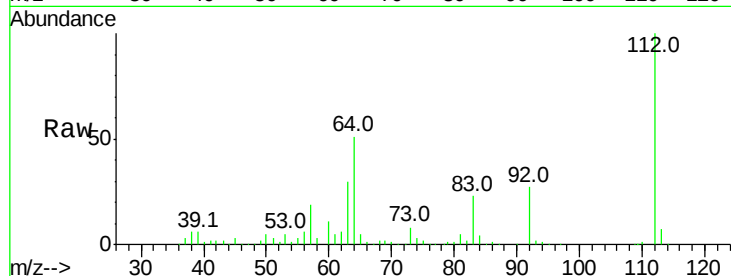
Tot Ion:112 Resp: 353389

Ion Ratio Lower Upper

112 100

64 51.0 56.3 84.5#

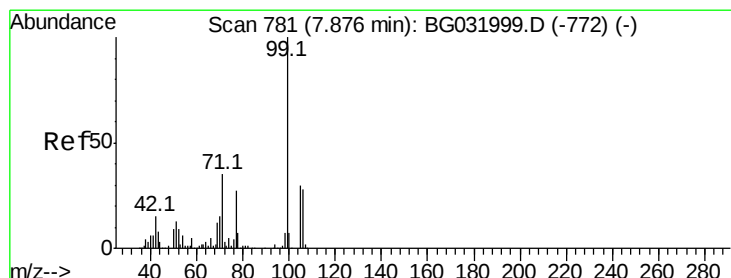
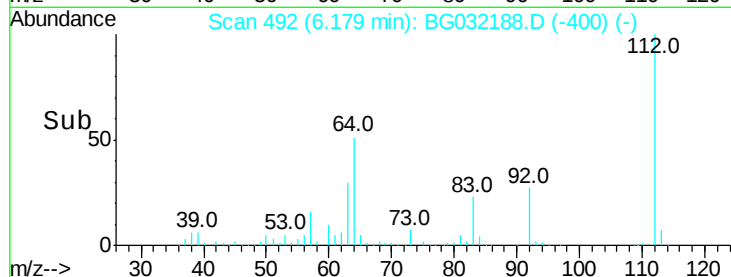
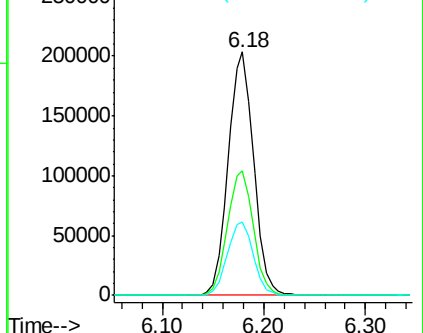
63 30.2 30.1 45.1



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: 119.225 ng

RT: 7.85 min Scan# 777

Delta R.T. 0.00 min

Lab File: BG032188.D

Acq: 20 Jan 2018 20:35

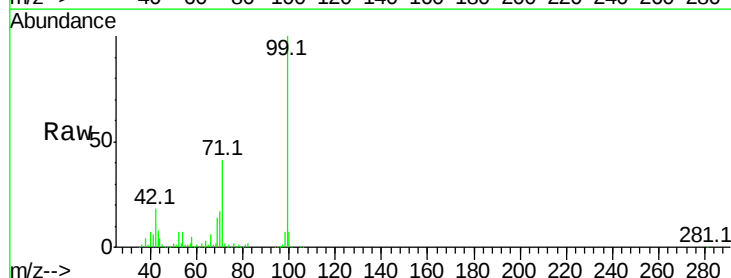
Tgt Ion: 99 Resp: 392113

Ion Ratio Lower Upper

99 100

42 18.0 14.1 21.1

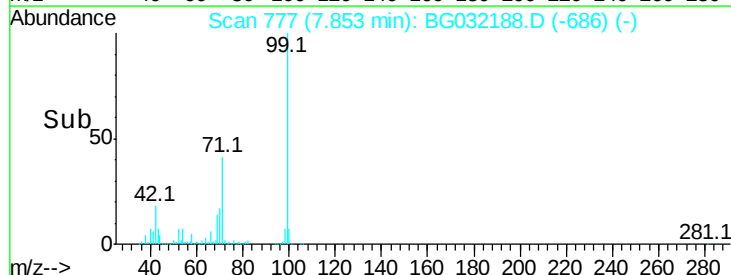
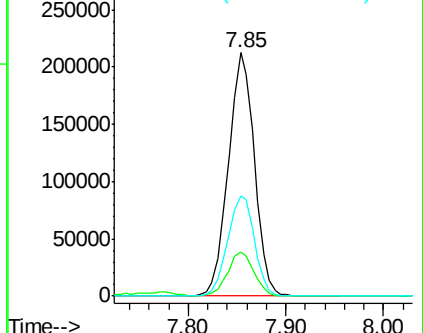
71 41.0 26.1 39.1#

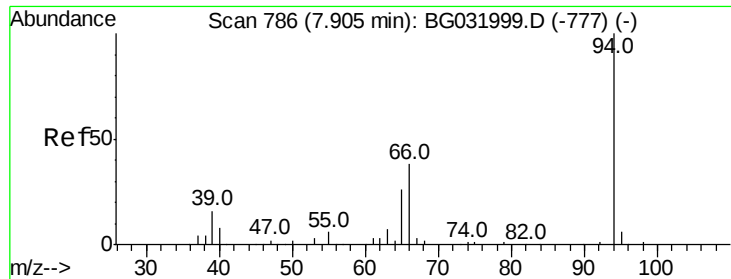


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

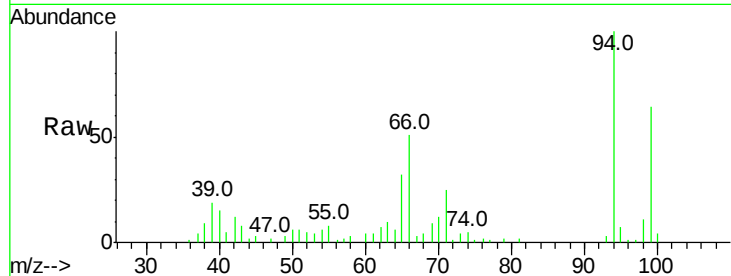




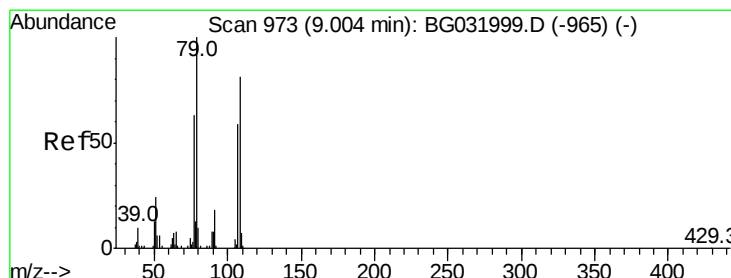
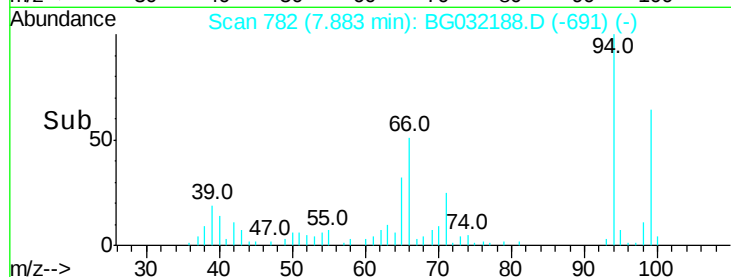
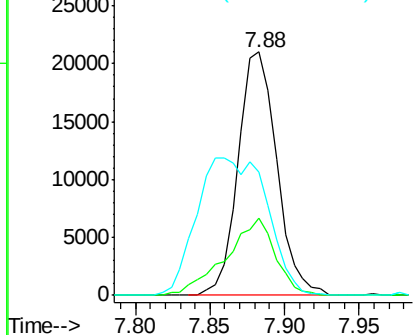
#10
Phenol
Concen: 11.653 ng
RT: 7.88 min Scan# 782
Delta R.T. 0.00 min
Lab File: BG032188.D
Acq: 20 Jan 2018 20:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 94 Resp: 37753
Ion Ratio Lower Upper
94 100
65 31.7 11.9 51.9
66 50.9 22.2 62.2

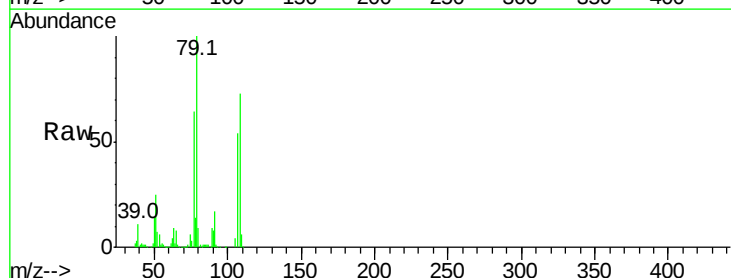


Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

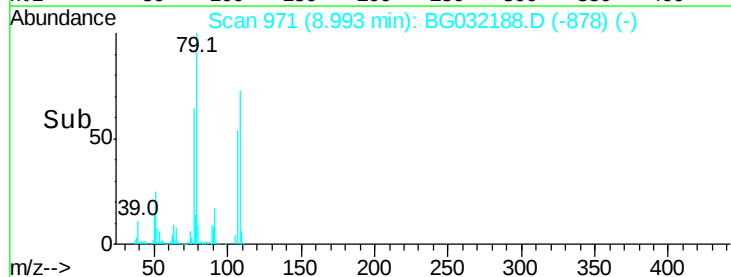
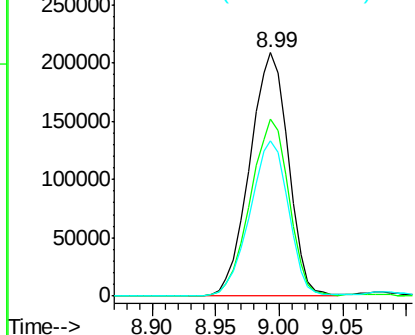


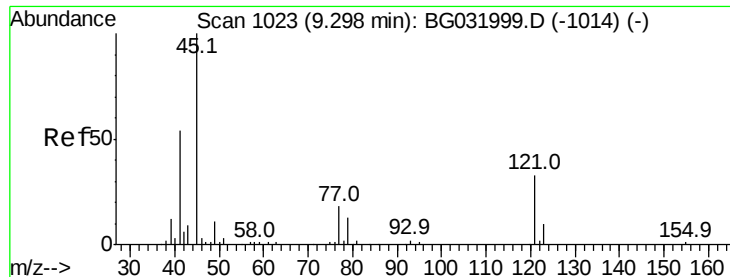
#15
Benzyl Alcohol
Concen: 185.261 ng
RT: 8.99 min Scan# 971
Delta R.T. 0.02 min
Lab File: BG032188.D
Acq: 20 Jan 2018 20:35

Tgt Ion: 79 Resp: 442628
Ion Ratio Lower Upper
79 100
108 72.5 57.2 85.8
77 63.8 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

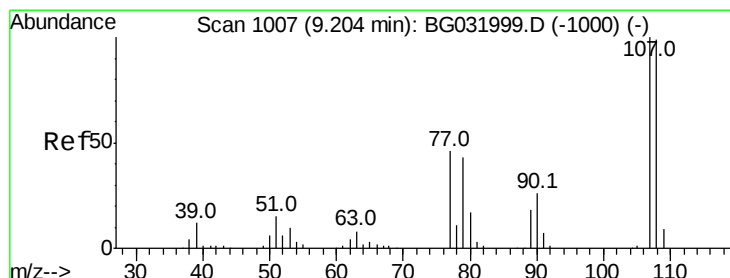
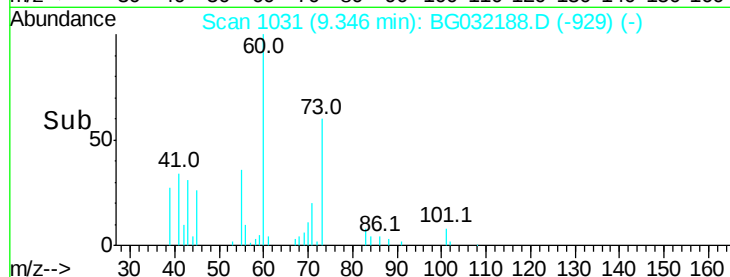
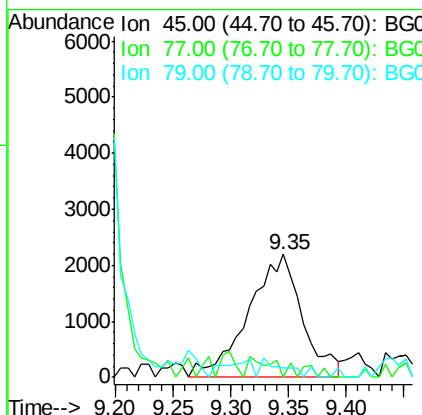
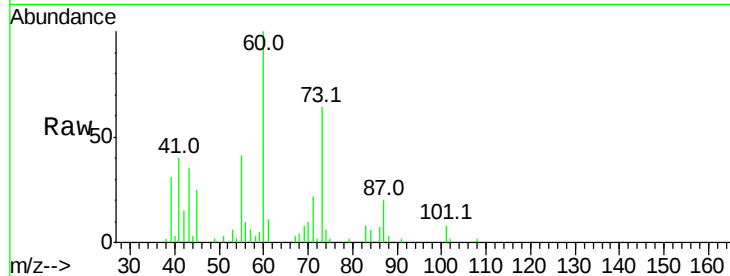




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 2.696 ng
RT: 9.35 min Scan# 1031
Delta R.T. 0.07 min
Lab File: BG032188.D
Acq: 20 Jan 2018 20:35

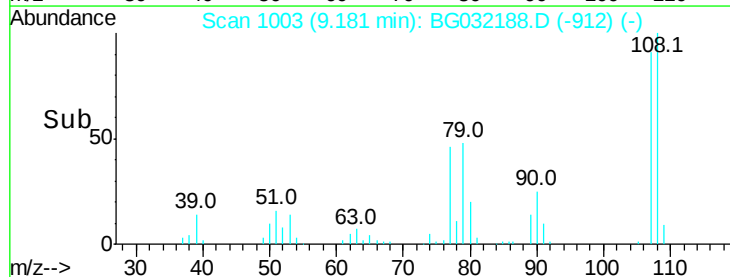
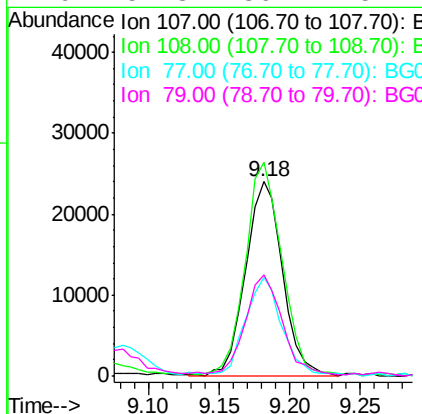
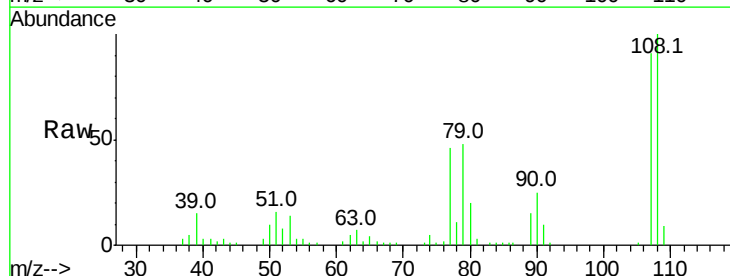
Instrument :
BNA_G
ClientSampleId :

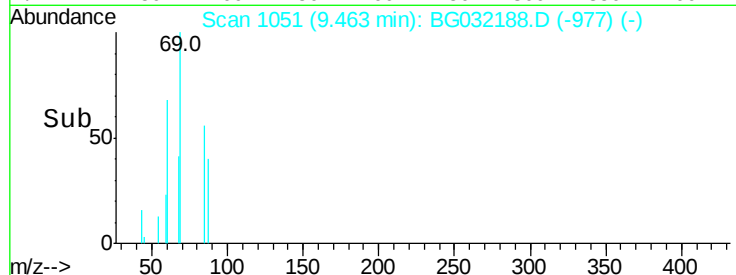
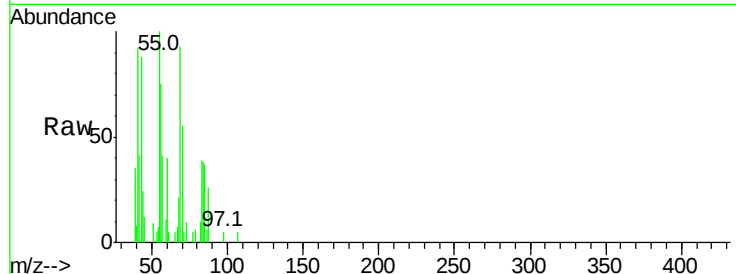
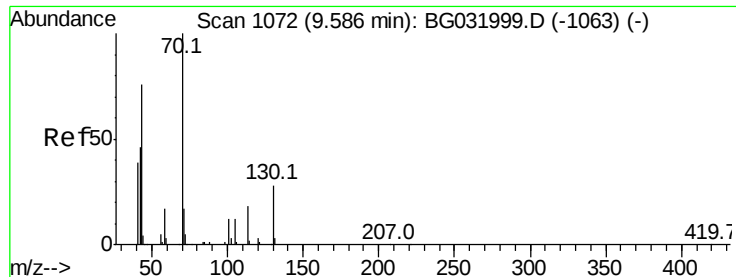
Tot Ion: 45 Resp: 7111
Ion Ratio Lower Upper
45 100
77 0.0 0.0 30.2
79 8.1 0.0 27.9



#17
2-Methylphenol
Concen: 17.792 ng
RT: 9.18 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BG032188.D
Acq: 20 Jan 2018 20:35

Tgt Ion: 107 Resp: 44052
Ion Ratio Lower Upper
107 100
108 109.8 83.9 125.9
77 50.9 37.2 55.8
79 52.3 36.2 54.2

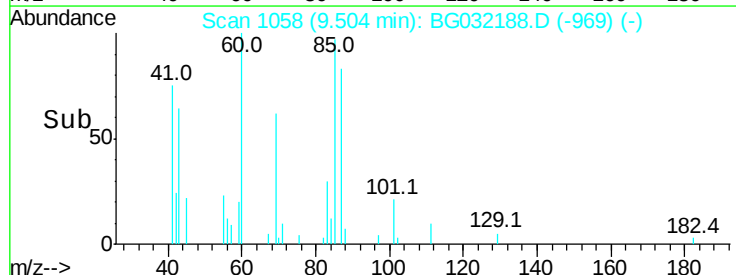
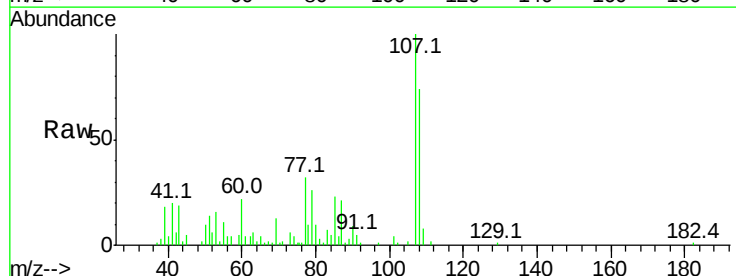
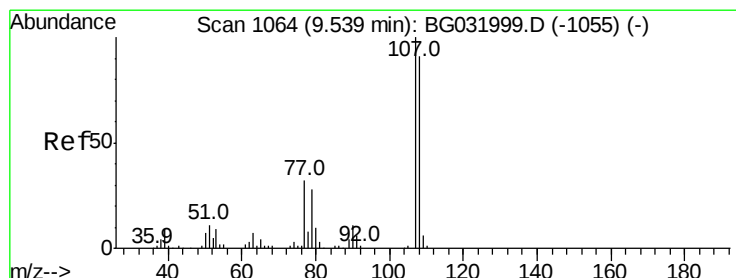
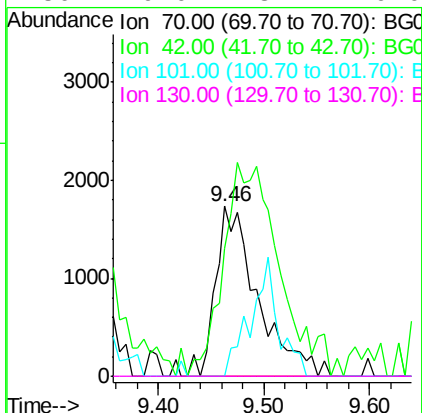




#19
n-Nitroso-di-n-propylamine
Concen: 2.359 ng
RT: 9.46 min Scan# 1051
Delta R.T. -0.10 min
Lab File: BG032188.D
Acq: 20 Jan 2018 20:35

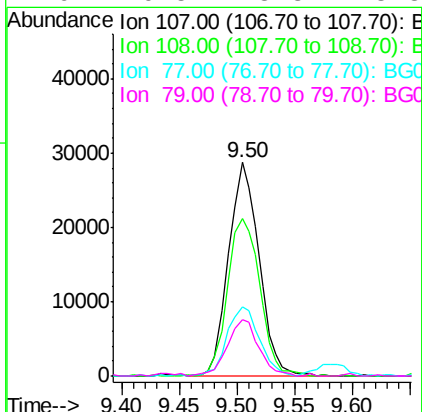
Instrument :
BNA_G
ClientSampleId :

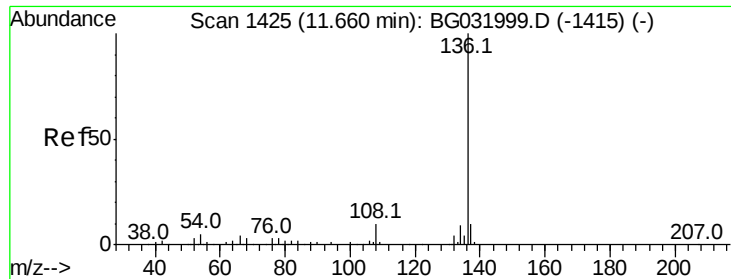
Tot Ion:	70	Resp:	4813
Ion	Ratio	Lower	Upper
70	100		
42	75.6	49.1	73.7#
101	0.0	8.5	12.7#
130	0.0	13.4	20.0#



#20
3+4-Methylphenols
Concen: 15.398 ng
RT: 9.50 min Scan# 1058
Delta R.T. -0.01 min
Lab File: BG032188.D
Acq: 20 Jan 2018 20:35

Tgt Ion:	107	Resp:	52815
Ion	Ratio	Lower	Upper
107	100		
108	73.9	61.6	101.6
77	32.5	13.9	53.9
79	26.5	8.8	48.8

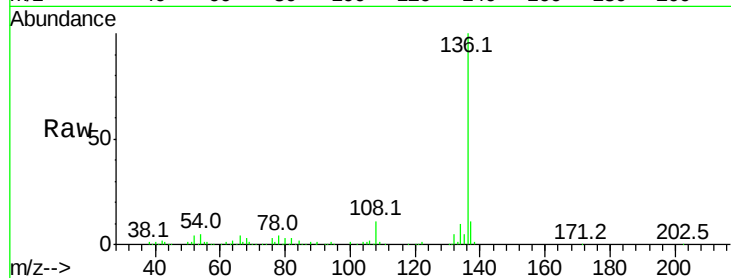




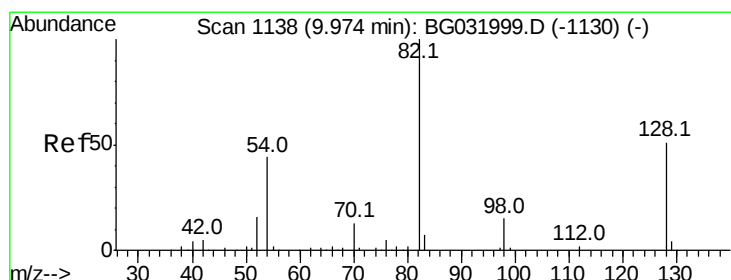
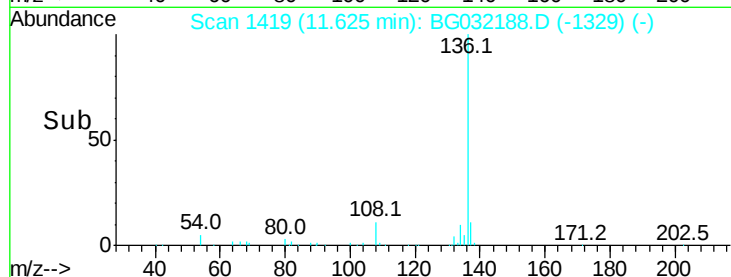
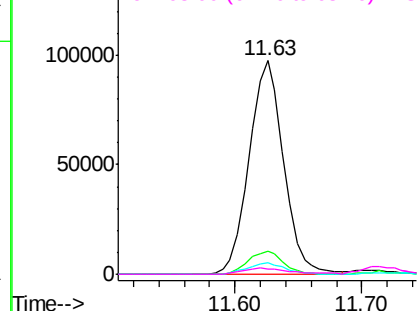
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.63 min Scan# 1419
Delta R.T. -0.00 min
Lab File: BG032188.D
Acq: 20 Jan 2018 20:35

Instrument :
BNA_G
ClientSampled :

Tot Ion:	136	Resp:	184052
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	5.5	10.3	15.5#
68	2.6	4.5	6.7#

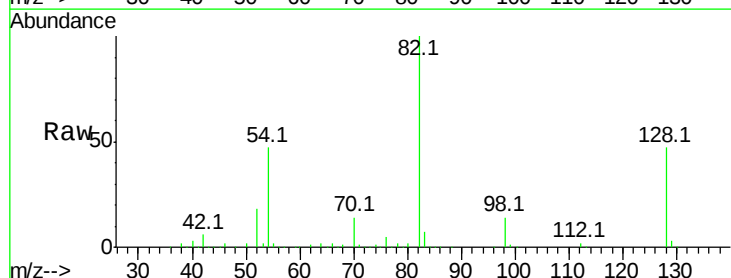


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

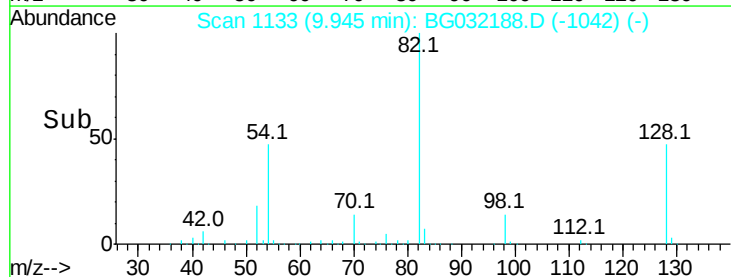
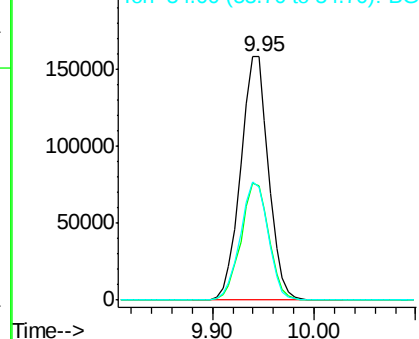


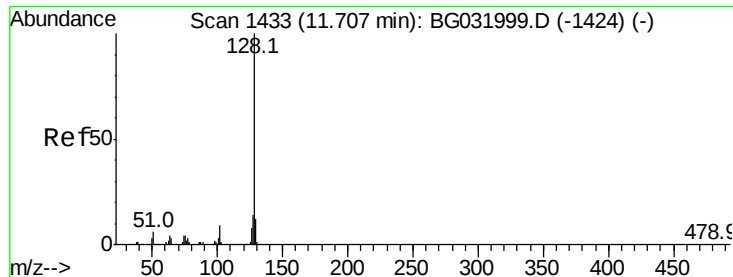
#23
Nitrobenzene-d5
Concen: 110.652 ng
RT: 9.95 min Scan# 1133
Delta R.T. 0.00 min
Lab File: BG032188.D
Acq: 20 Jan 2018 20:35

Tgt Ion:	82	Resp:	301027
Ion	Ratio	Lower	Upper
82	100		
128	46.8	29.7	44.5#
54	46.5	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

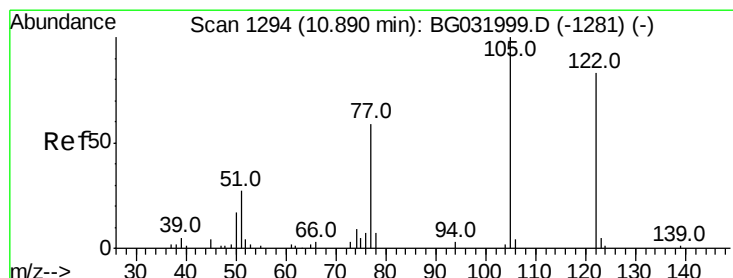
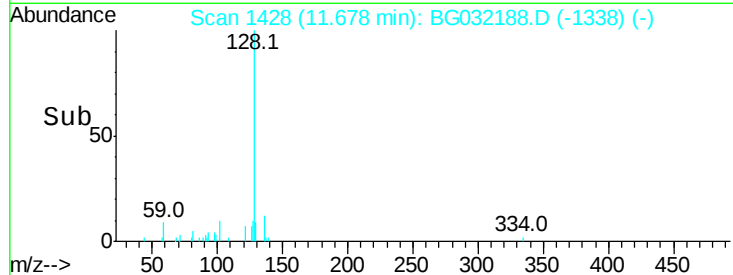
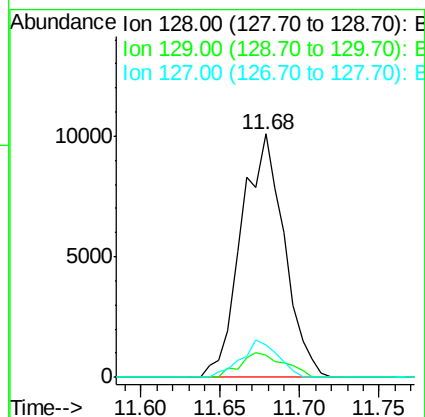
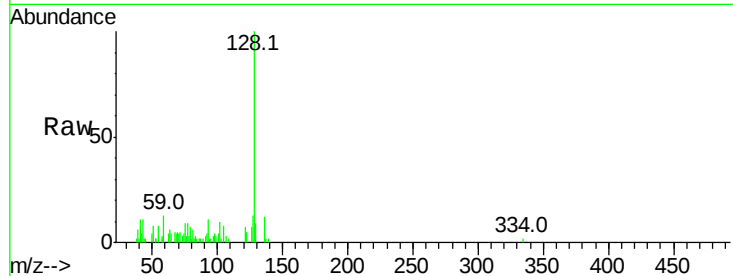




#31
Naphthalene
Concen: 2.083 ng
RT: 11.68 min Scan# 1428
Delta R.T. -0.00 min
Lab File: BG032188.D
Acq: 20 Jan 2018 20:35

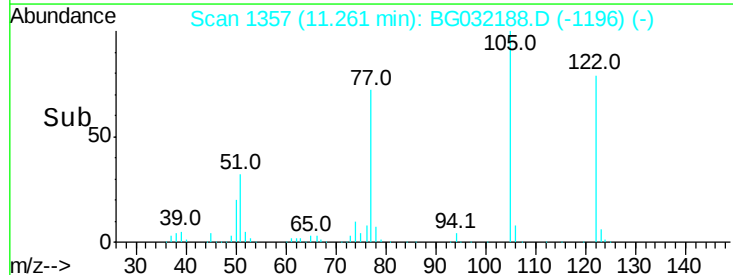
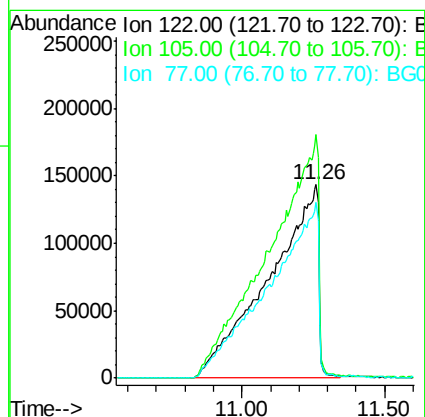
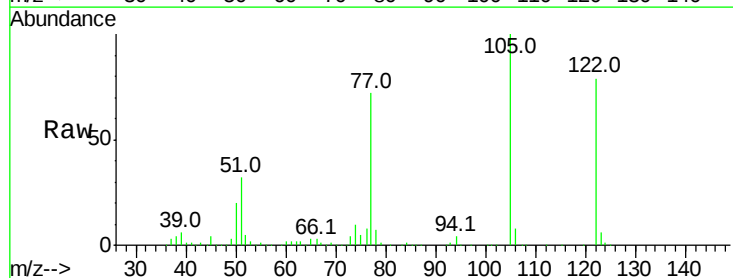
Instrument :
BNA_G
ClientSampleId :

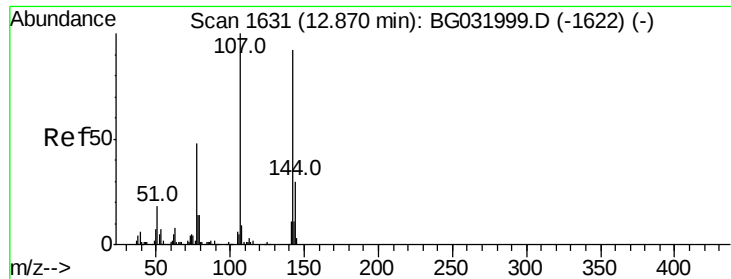
Tot Ion	Ratio	Lower	Upper
128	100		
129	8.9	8.6	12.8
127	13.2	11.6	17.4



#32
Benzoic acid
Concen: 753.590 ng
RT: 11.26 min Scan# 1357
Delta R.T. 0.42 min
Lab File: BG032188.D
Acq: 20 Jan 2018 20:35

Tgt Ion	Ratio	Lower	Upper
122	100		
105	126.1	123.5	163.5
77	91.3	85.7	125.7

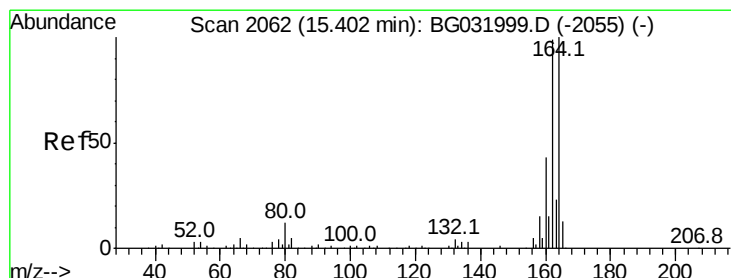
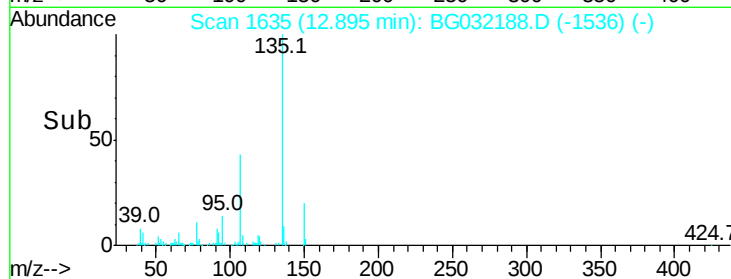
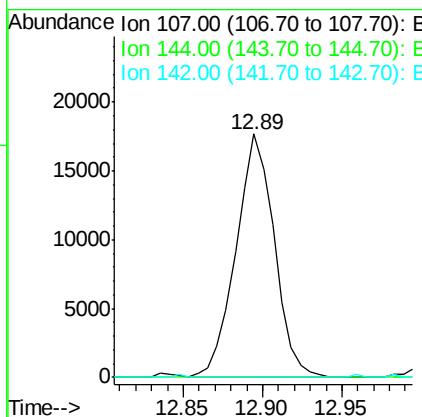
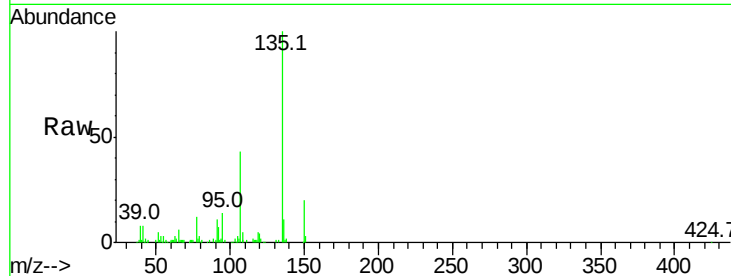




#36
 4-Chloro-3-methylphenol
 Concen: 10.315 ng
 RT: 12.89 min Scan# 1635
 Delta R.T. 0.05 min
 Lab File: BG032188.D
 Acq: 20 Jan 2018 20:35

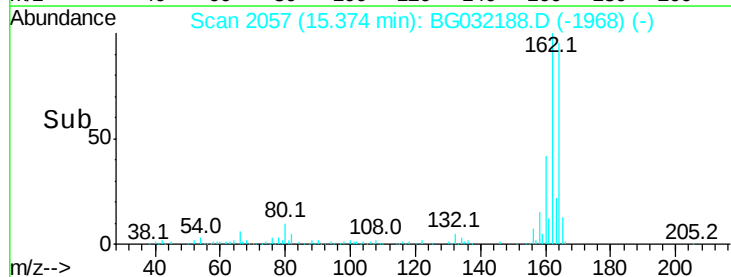
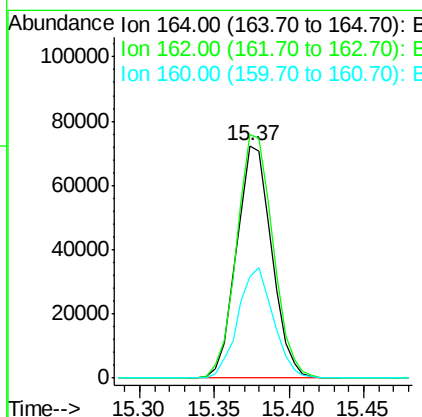
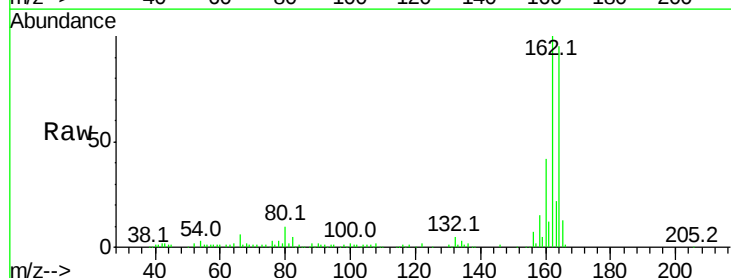
Instrument :
 BNA_G
 ClientSampleId :

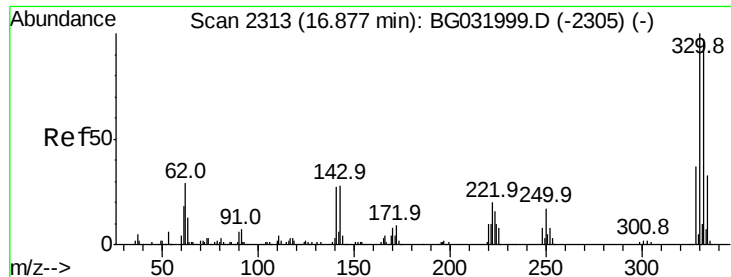
Tot Ion:107 Resp: 29643
 Ion Ratio Lower Upper
 107 100
 144 0.0 18.2 27.4#
 142 0.0 59.0 88.4#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.37 min Scan# 2057
 Delta R.T. -0.01 min
 Lab File: BG032188.D
 Acq: 20 Jan 2018 20:35

Tgt Ion:164 Resp: 118270
 Ion Ratio Lower Upper
 164 100
 162 104.9 78.8 118.2
 160 43.6 35.4 53.0

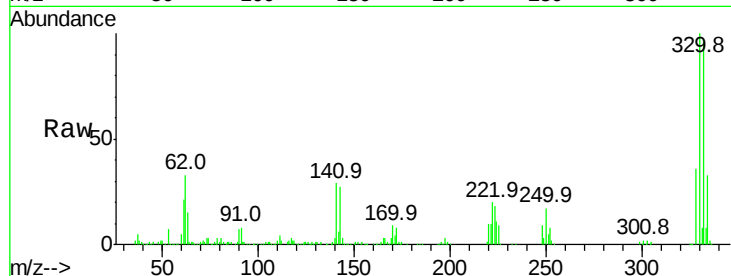




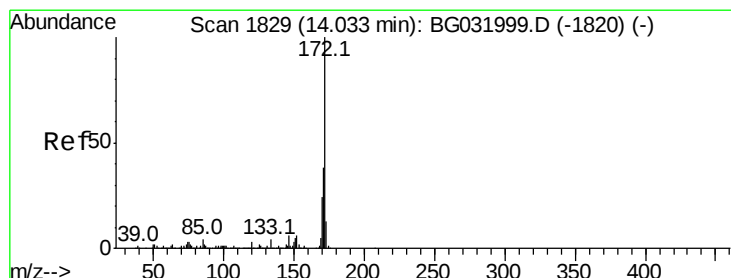
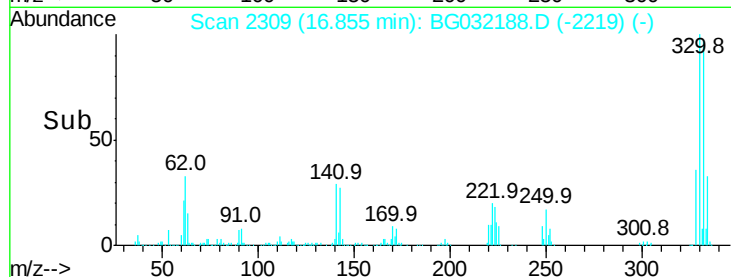
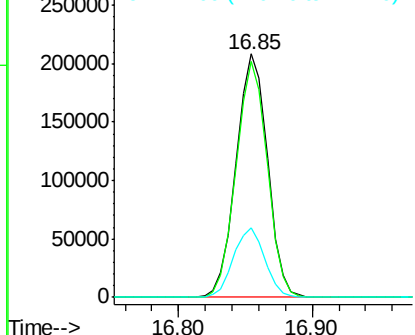
#41
 2,4,6-Tribromophenol
 Concen: 173.298 ng
 RT: 16.85 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: BG032188.D
 Acq: 20 Jan 2018 20:35

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	28.9	25.2	37.8

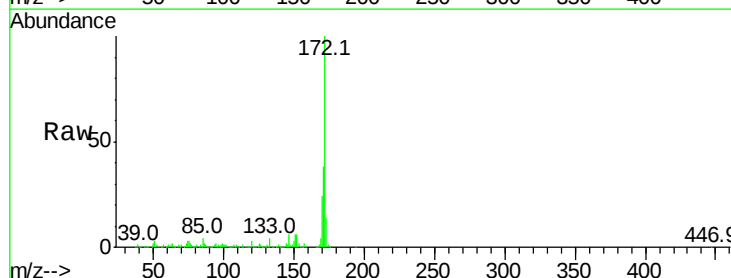


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

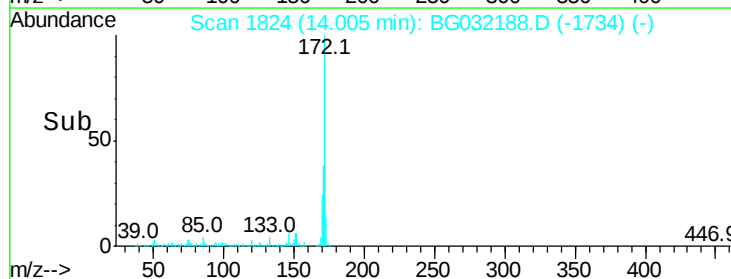
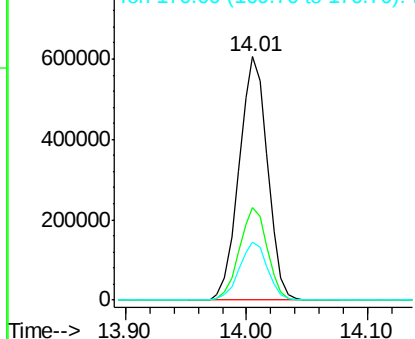


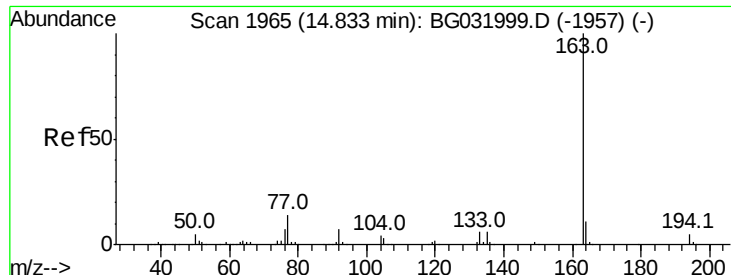
#44
 2-Fluorobiphenyl
 Concen: 104.128 ng
 RT: 14.01 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BG032188.D
 Acq: 20 Jan 2018 20:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.9	30.0	45.0
170	23.7	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: 4.081 ng

RT: 14.80 min Scan# 1960

Delta R.T. -0.01 min

Lab File: BG032188.D

Acq: 20 Jan 2018 20:35

Instrument :

BNA_G

ClientSampleId :

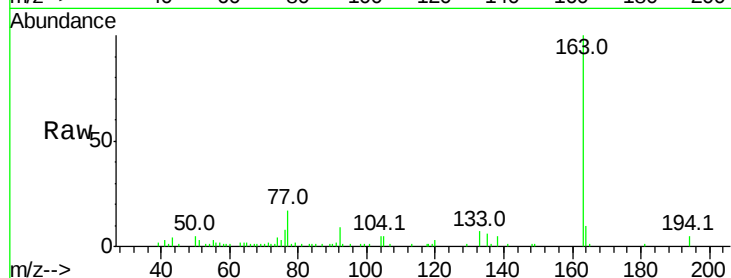
Tot Ion:163 Resp: 42236

Ion Ratio Lower Upper

163 100

194 4.7 3.4 5.2

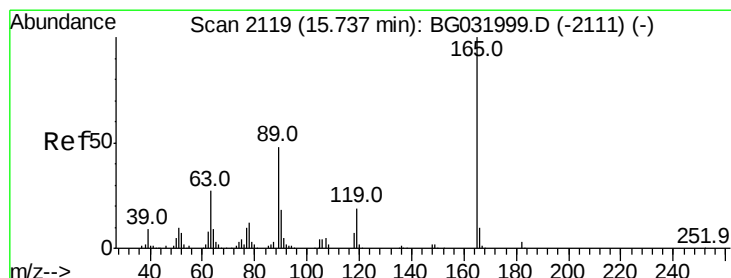
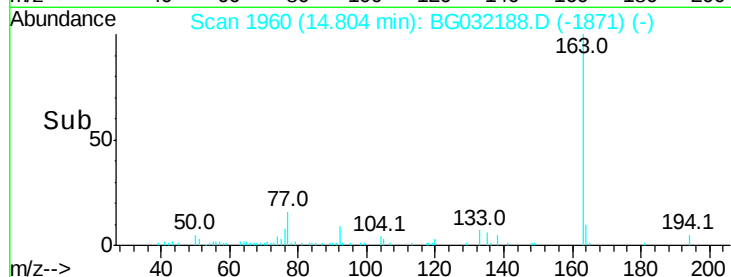
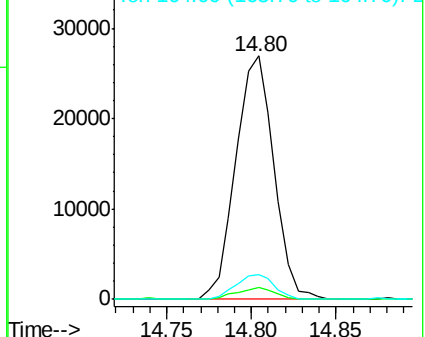
164 9.9 8.2 12.4



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



#56

2,4-Dinitrotoluene

Concen: 5.405 ng

RT: 15.37 min Scan# 2057

Delta R.T. -0.34 min

Lab File: BG032188.D

Acq: 20 Jan 2018 20:35

Tgt Ion:165 Resp: 15632

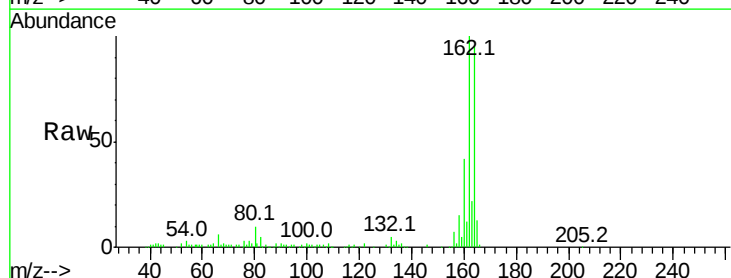
Ion Ratio Lower Upper

165 100

63 3.8 42.0 63.0#

89 3.2 66.9 100.3#

182 0.0 2.6 3.8#

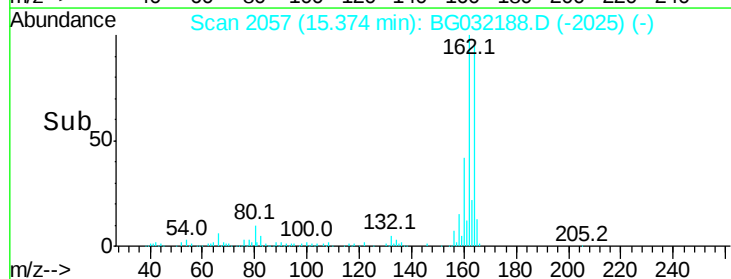
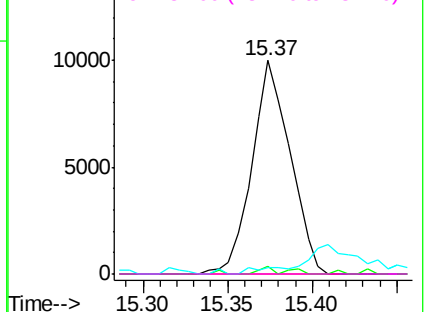


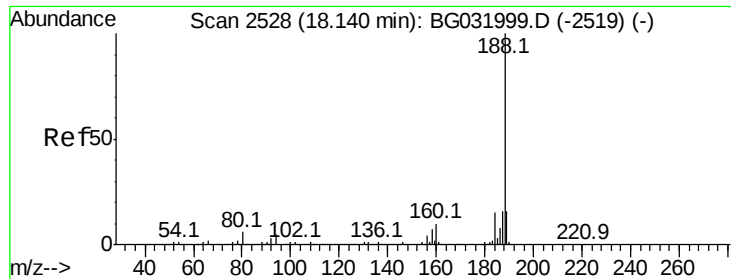
Abundance Ion 165.00 (164.70 to 165.70): E

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: 18.11 min Scan# 2523

Delta R.T. -0.00 min

Lab File: BG032188.D

Acq: 20 Jan 2018 20:35

Instrument :

BNA_G

ClientSampleId :

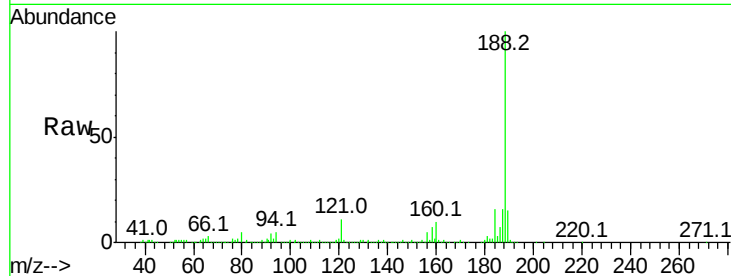
Tot Ion:188 Resp: 298949

Ion Ratio Lower Upper

188 100

94 4.6 6.9 10.3#

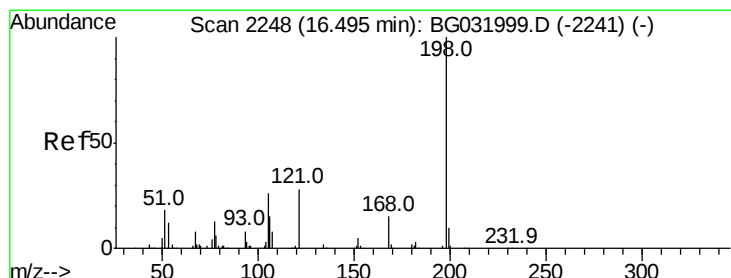
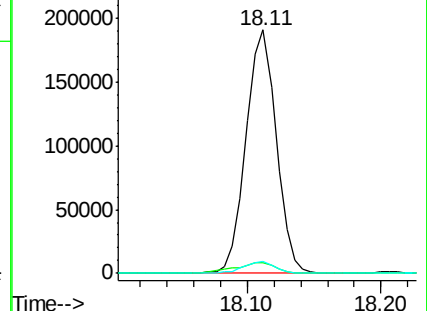
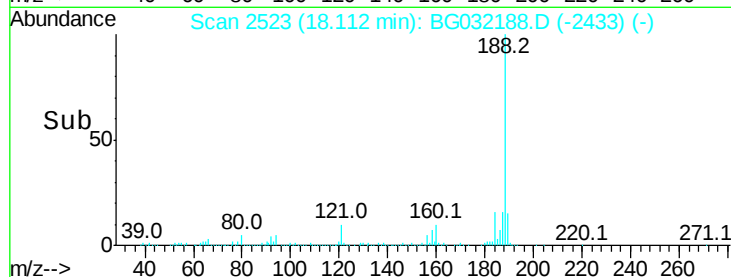
80 4.7 7.7 11.5#



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: 5.489 ng

RT: 16.85 min Scan# 2309

Delta R.T. 0.38 min

Lab File: BG032188.D

Acq: 20 Jan 2018 20:35

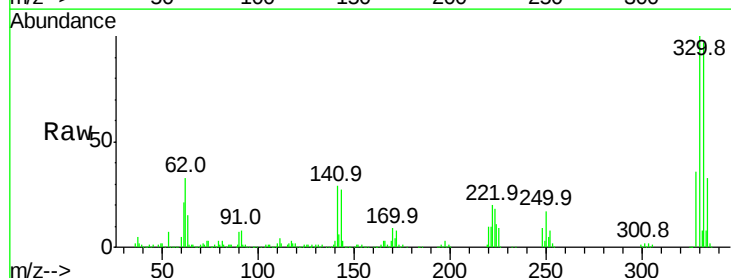
Tgt Ion:198 Resp: 1289

Ion Ratio Lower Upper

198 100

51 91.5 30.6 70.6#

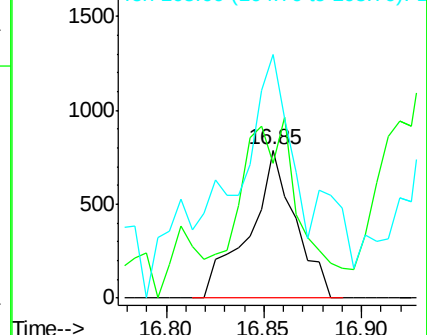
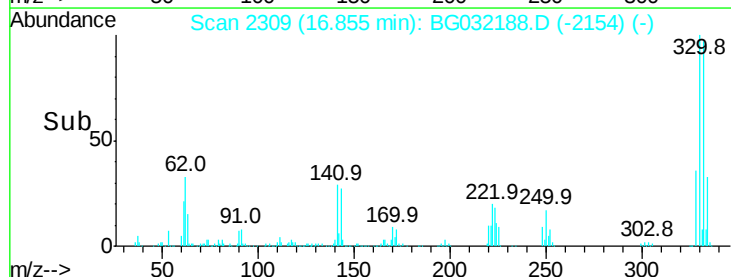
105 164.6 23.8 63.8#

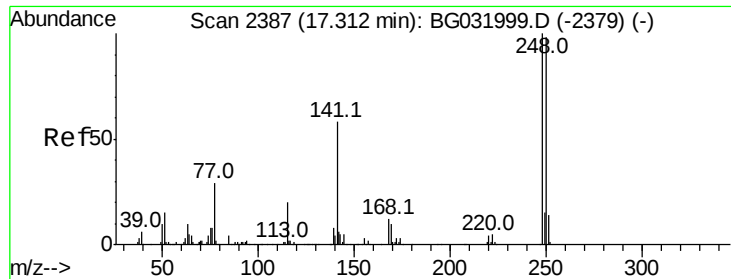


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

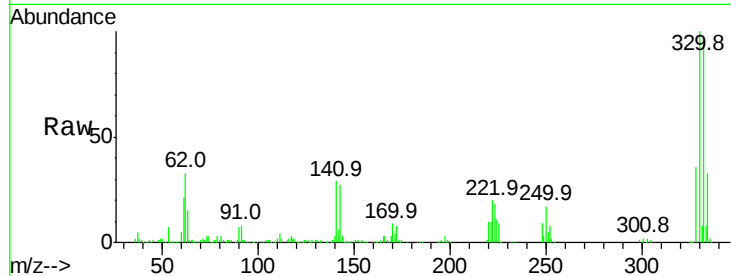




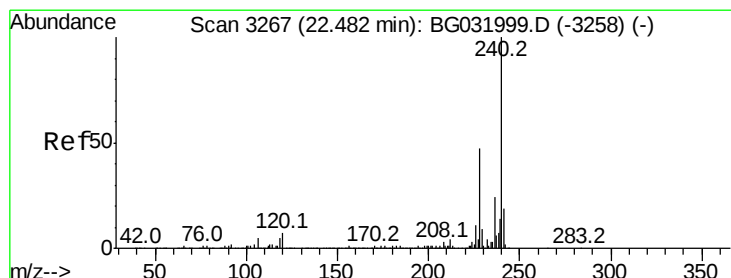
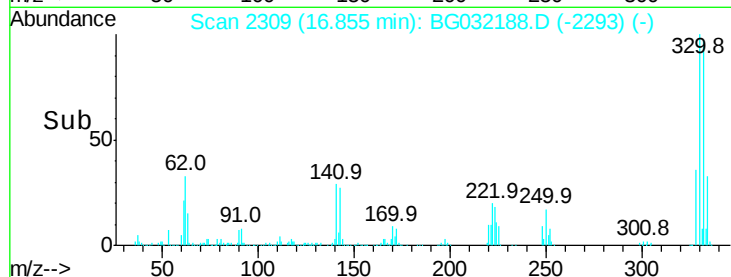
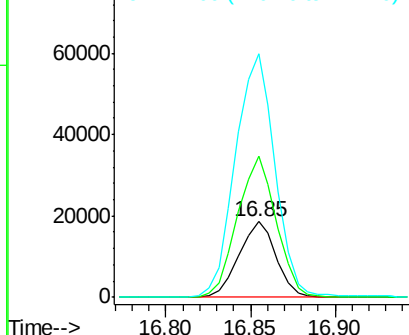
#66
4-Bromophenyl-phenylether
Concen: 6.693 ng
RT: 16.85 min Scan# 2309
Delta R.T. -0.44 min
Lab File: BG032188.D
Acq: 20 Jan 2018 20:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 28470
Ion Ratio Lower Upper
248 100
250 186.5 77.1 115.7#
141 322.1 50.8 76.2#

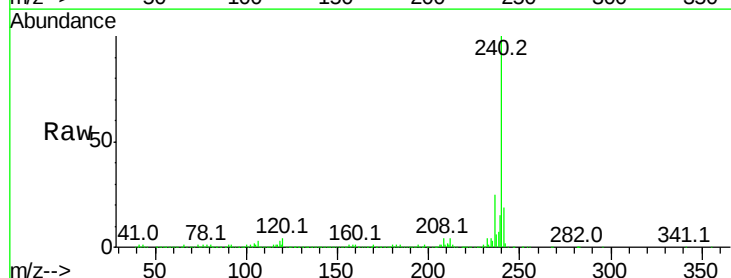


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

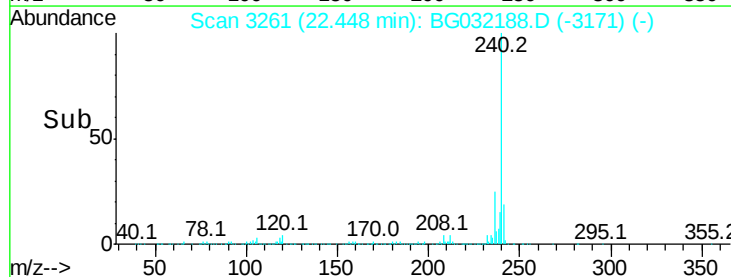
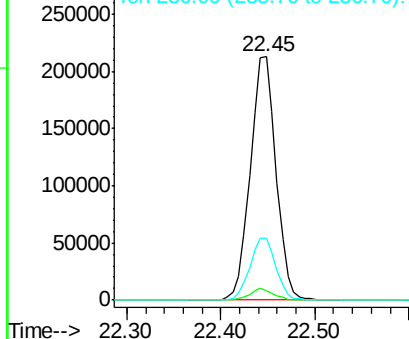


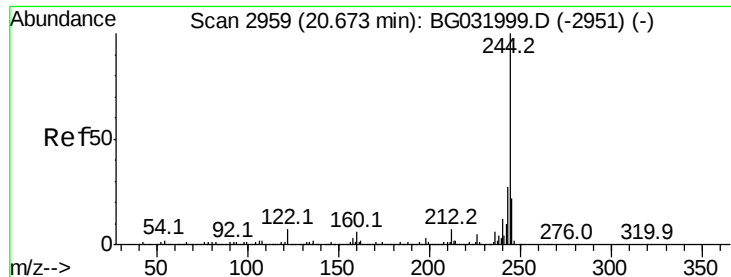
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.45 min Scan# 3261
Delta R.T. -0.00 min
Lab File: BG032188.D
Acq: 20 Jan 2018 20:35

Tgt Ion:240 Resp: 401950
Ion Ratio Lower Upper
240 100
120 4.1 6.8 10.2#
236 25.2 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





#78

Terphenyl-d14

Concen: 89.912 ng

RT: 20.65 min Scan# 2955

Delta R.T. -0.00 min

Lab File: BG032188.D

Acq: 20 Jan 2018 20:35

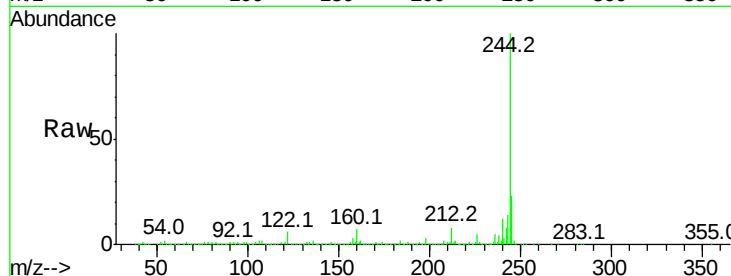
Instrument :

BNA_G

ClientSampled :

Tot Ion:244 Resp: 1636750

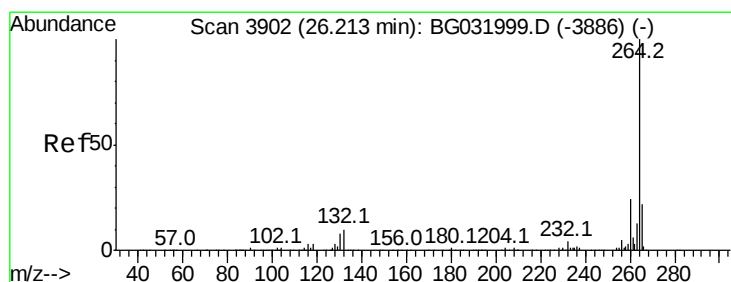
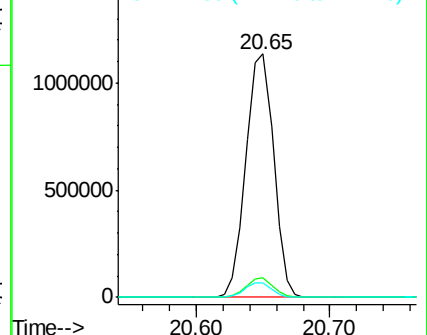
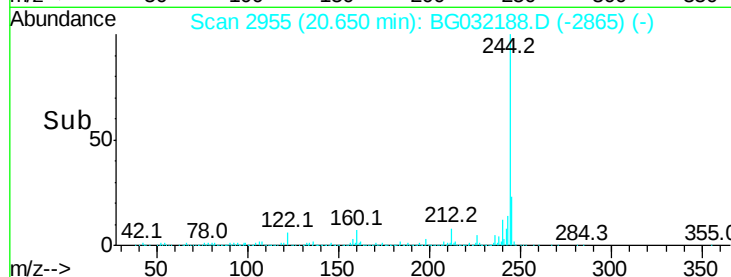
Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.8	8.8
122	5.9	7.0	10.4



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: 26.14 min Scan# 3890

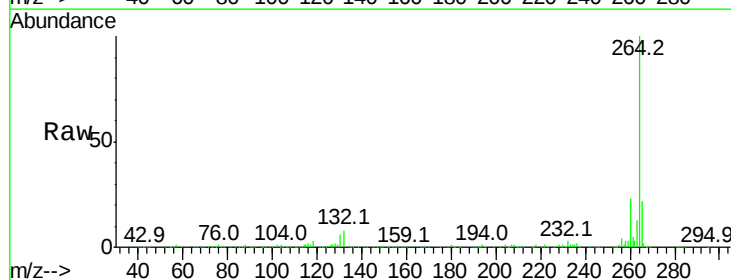
Delta R.T. -0.01 min

Lab File: BG032188.D

Acq: 20 Jan 2018 20:35

Tgt Ion:264 Resp: 434870

Ion	Ratio	Lower	Upper
264	100		
260	22.5	17.4	26.0
265	22.1	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

