

Data Path : U:\HPCHEM1\BNA G\DATA\BG012018\
 Data File : BG032199.D
 Acq On : 21 Jan 2018 4:04
 Operator : SJ/JU
 Sample : J1218-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 22 06:00:34 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	46897	20.00	ng	0.00
21) Naphthalene-d8	11.62	136	180499	20.00	ng	0.00
38) Acenaphthene-d10	15.37	164	112892	20.00	ng	0.00
63) Phenanthrene-d10	18.11	188	298588	20.00	ng	0.00
75) Chrysene-d12	22.44	240	406140	20.00	ng	0.00
86) Perylene-d12	26.14	264	433906	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.18	112	262114	102.22	ng	0.00
7) Phenol-d6	7.85	99	286967	88.86	ng	0.00
23) Nitrobenzene-d5	9.94	82	230500	86.40	ng	0.00
41) 2,4,6-Tribromophenol	16.85	330	226216	121.09	ng	0.00
44) 2-Fluorobiphenyl	14.00	172	773701	84.98	ng	0.00
78) Terphenyl-d14	20.64	244	1480489	80.49	ng	0.00

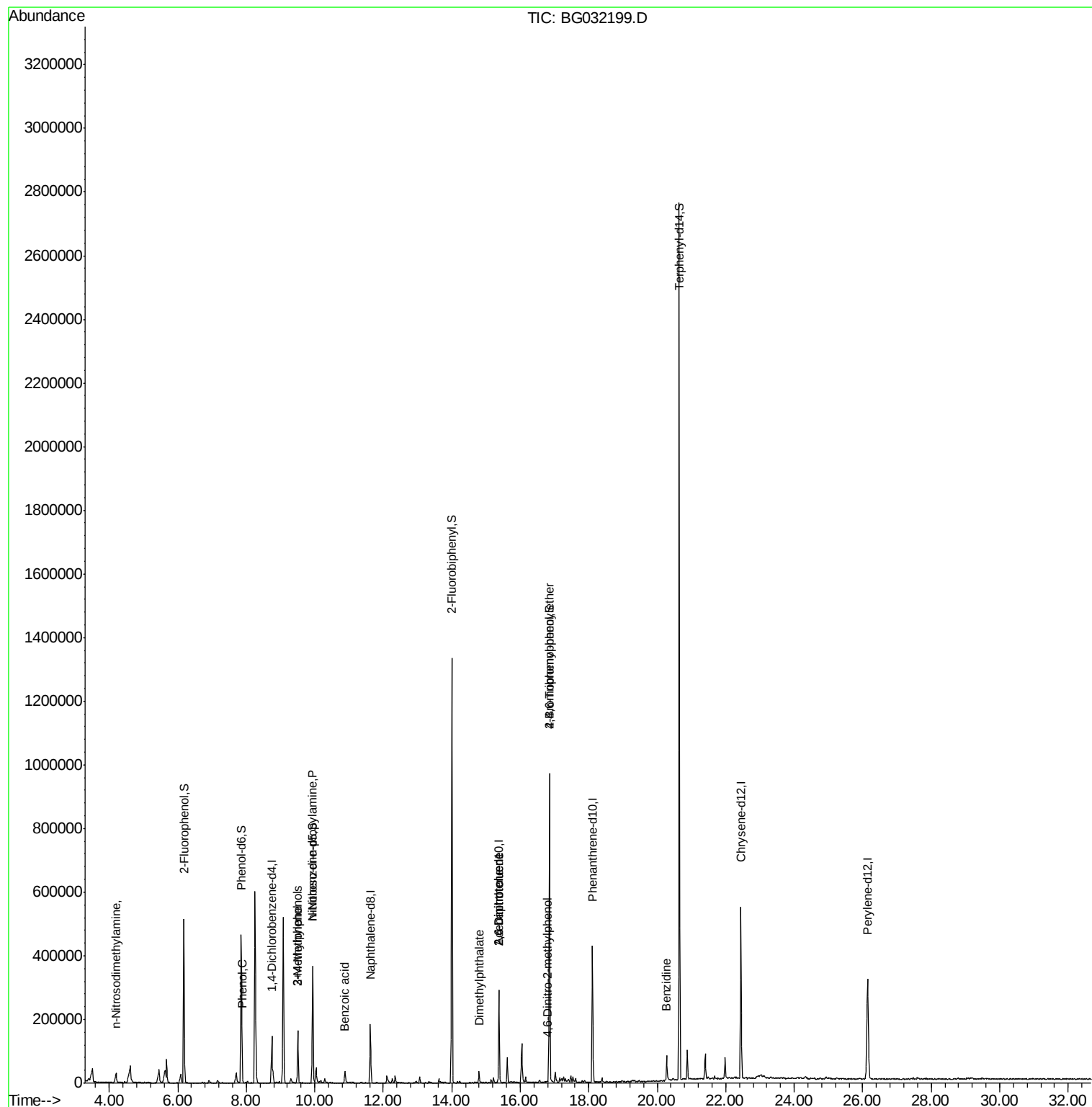
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	4.20	42	3929	4.253	ng	# 14
10) Phenol	7.88	94	9368	2.945	ng	# 96
17) 2-Methylphenol	9.50	107	80986	33.311	ng	# 72
19) n-Nitroso-di-n-propylamine	9.94	70	32609	16.274	ng	# 71
20) 3+4-Methylphenols	9.50	107	80986	24.046	ng	# 93
32) Benzoic acid	10.86	122	71	5.287	ng	# 77
49) Dimethylphthalate	14.80	163	25900	2.622	ng	# 99
50) 2,6-Dinitrotoluene	15.37	165	15117	7.372	ng	# 21
56) 2,4-Dinitrotoluene	15.37	165	15117	5.476	ng	# 19
64) 4,6-Dinitro-2-methylphenol	16.80	198	79	4.921	ng	# 29
66) 4-Bromophenyl-phenylether	16.85	248	19118	4.500	ng	# 1
76) Benzidine	20.27	184	46891	4.617	ng	# 98

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

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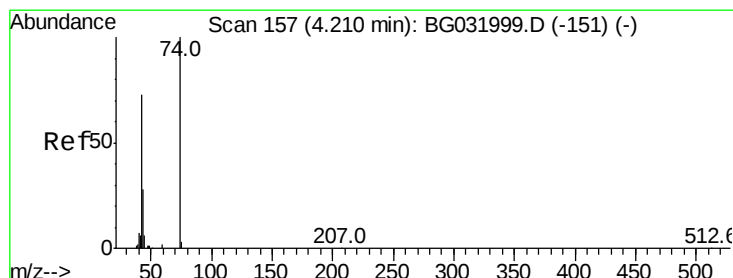
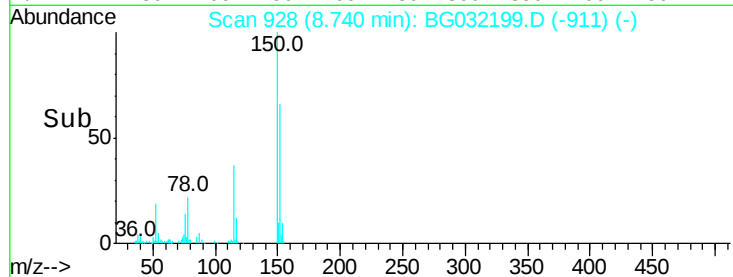
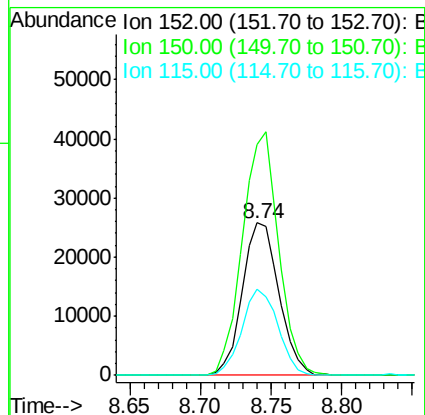
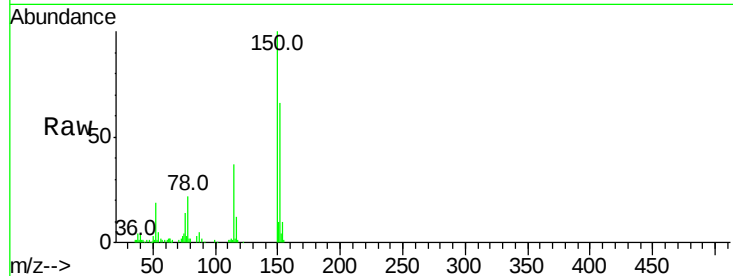


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.74 min Scan# 928
Delta R.T. -0.00 min
Lab File: BG032199.D
Acq: 21 Jan 2018 4:04

Instrument :
BNA_G
ClientSampled :

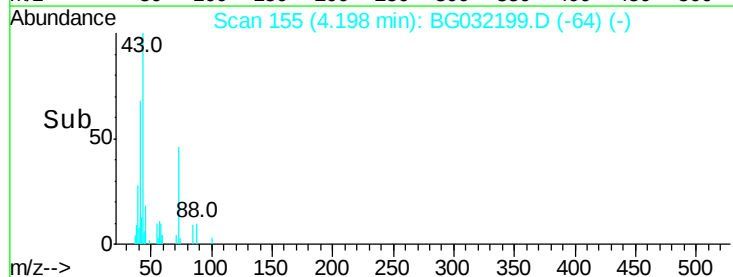
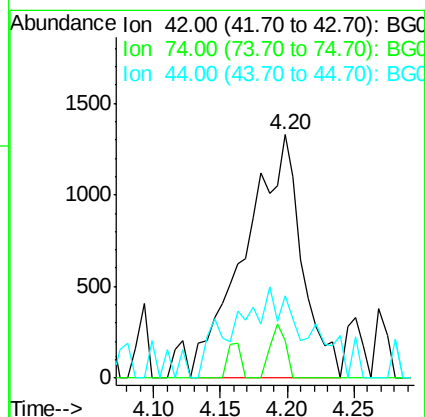
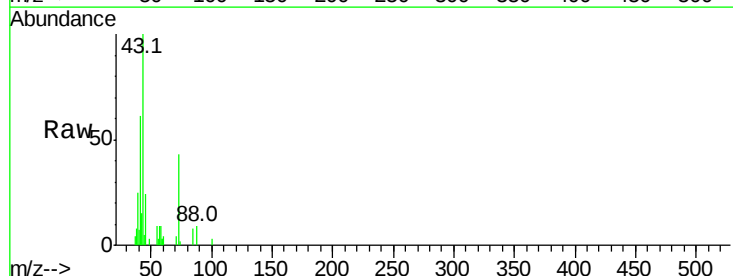
Tot Ion:152 Resp: 46897
Ion Ratio Lower Upper
152 100
150 151.5 126.6 189.8
115 56.3 53.0 79.4

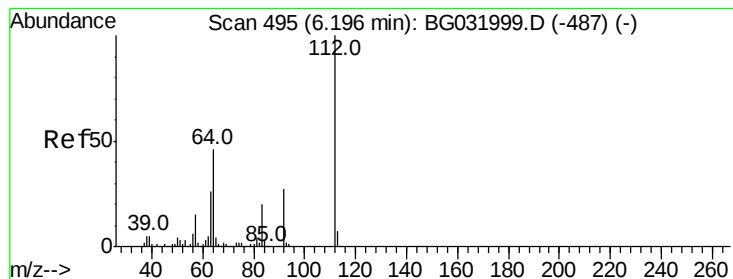


#4

n-Nitrosodimethylamine
Concen: 4.253 ng
RT: 4.20 min Scan# 155
Delta R.T. 0.00 min
Lab File: BG032199.D
Acq: 21 Jan 2018 4:04

Tgt Ion: 42 Resp: 3929
Ion Ratio Lower Upper
42 100
74 15.3 102.5 153.7#
44 33.6 18.9 28.3#





#5

2-Fluorophenol

Concen: 102.222 ng

RT: 6.18 min Scan# 492

Delta R.T. 0.01 min

Lab File: BG032199.D

Acq: 21 Jan 2018 4:04

Instrument :

BNA_G

ClientSampleId :

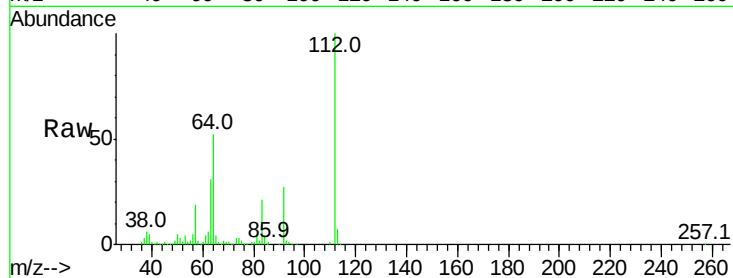
Tot Ion:112 Resp: 262114

Ion Ratio Lower Upper

112 100

64 52.1 56.3 84.5#

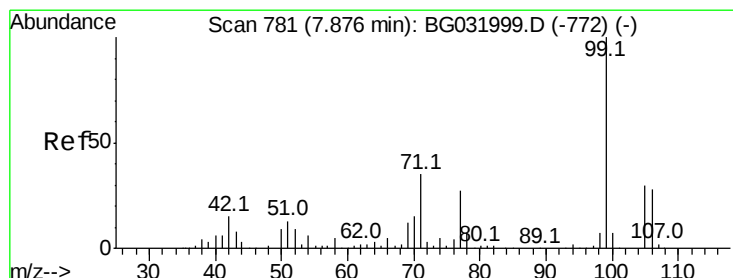
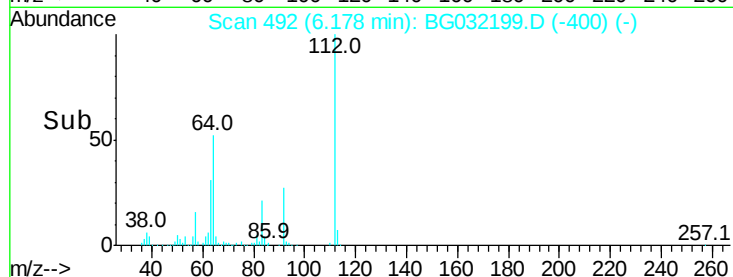
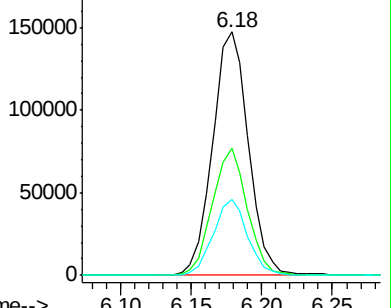
63 31.1 30.1 45.1



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: 88.860 ng

RT: 7.85 min Scan# 777

Delta R.T. 0.00 min

Lab File: BG032199.D

Acq: 21 Jan 2018 4:04

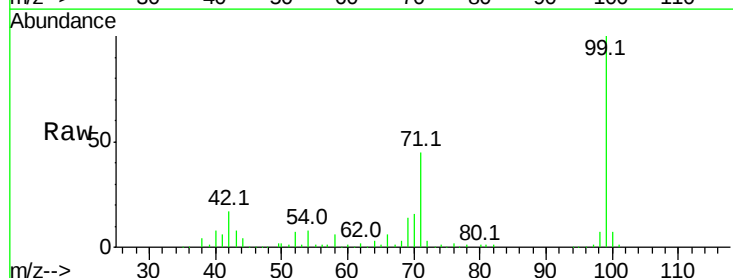
Tgt Ion: 99 Resp: 286967

Ion Ratio Lower Upper

99 100

42 17.4 14.1 21.1

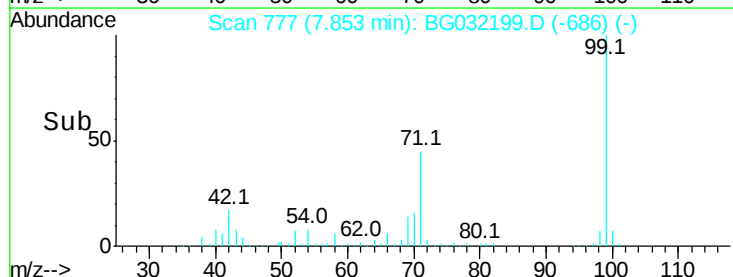
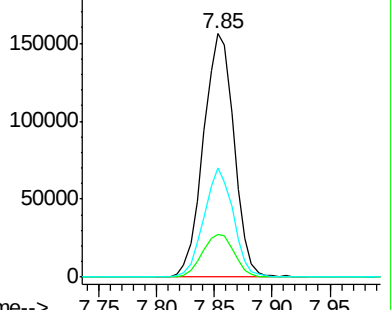
71 45.0 26.1 39.1#

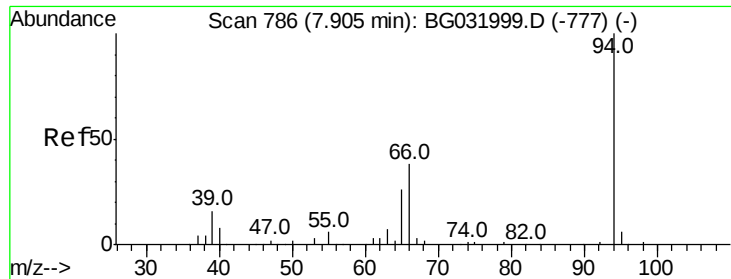


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

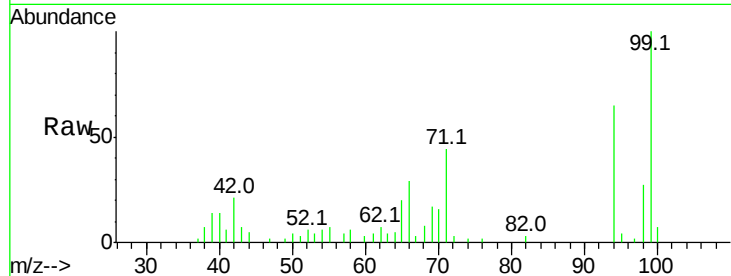




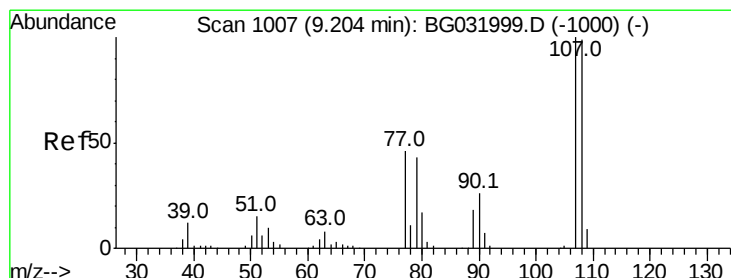
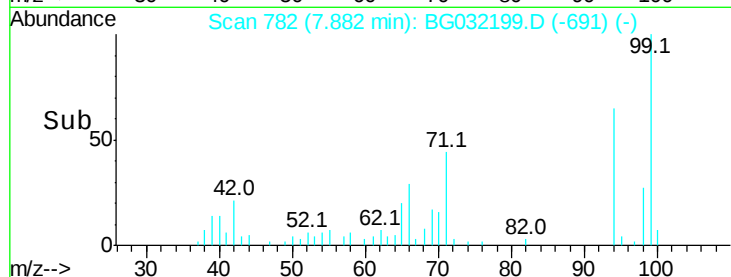
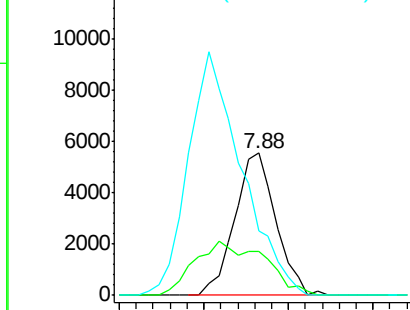
#10
Phenol
Concen: 2.945 ng
RT: 7.88 min Scan# 782
Delta R.T. 0.00 min
Lab File: BG032199.D
Acq: 21 Jan 2018 4:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 94 Resp: 9368
Ion Ratio Lower Upper
94 100
65 30.5 11.9 51.9
66 45.0 22.2 62.2

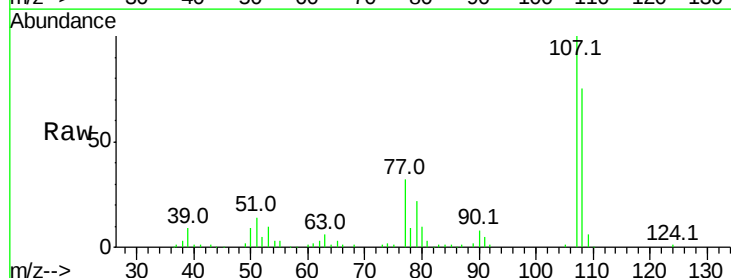


Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

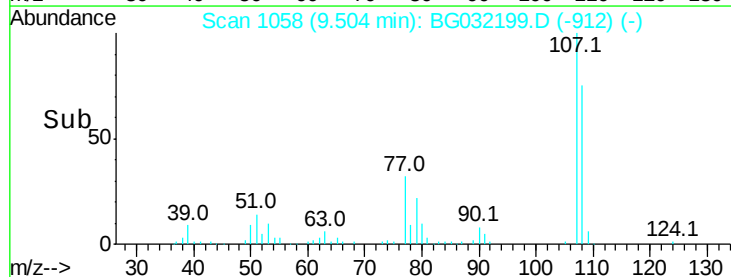
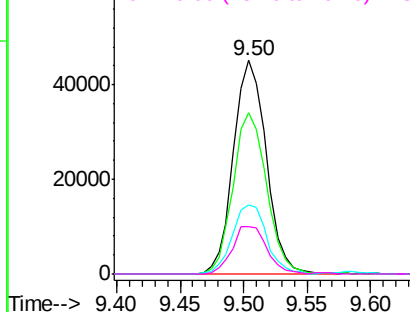


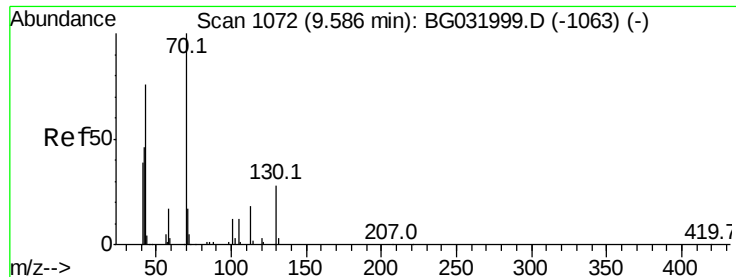
#17
2-Methylphenol
Concen: 33.311 ng
RT: 9.50 min Scan# 1058
Delta R.T. 0.33 min
Lab File: BG032199.D
Acq: 21 Jan 2018 4:04

Tgt Ion:107 Resp: 80986
Ion Ratio Lower Upper
107 100
108 75.4 83.9 125.9#
77 32.2 37.2 55.8#
79 22.4 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

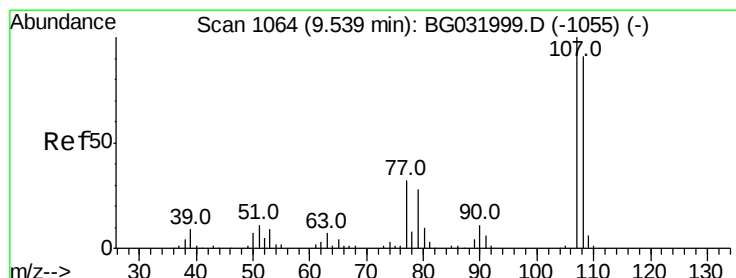
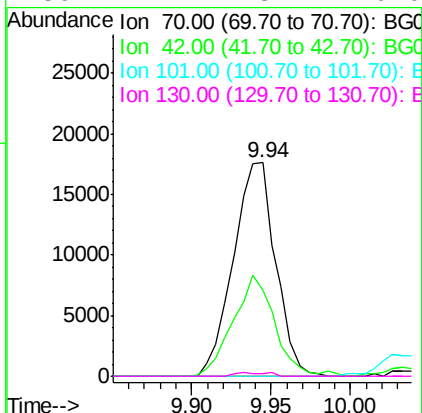
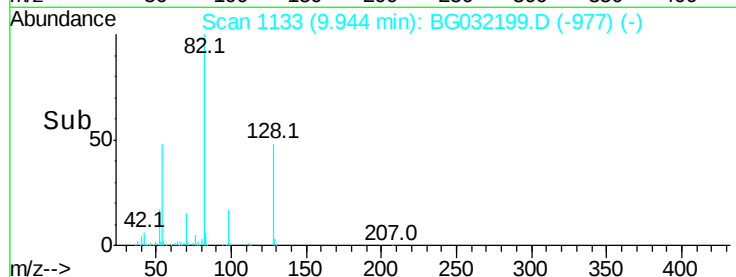
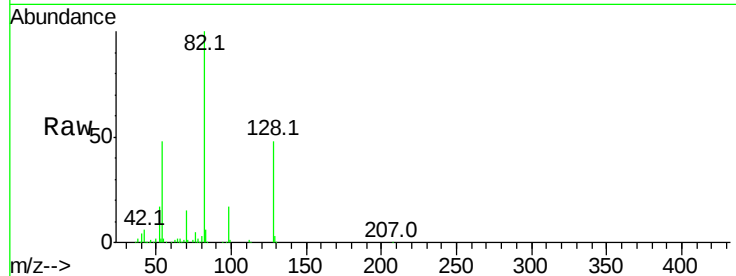




#19
n-Nitroso-di-n-propylamine
Concen: 16.274 ng
RT: 9.94 min Scan# 1133
Delta R.T. 0.39 min
Lab File: BG032199.D
Acq: 21 Jan 2018 4:04

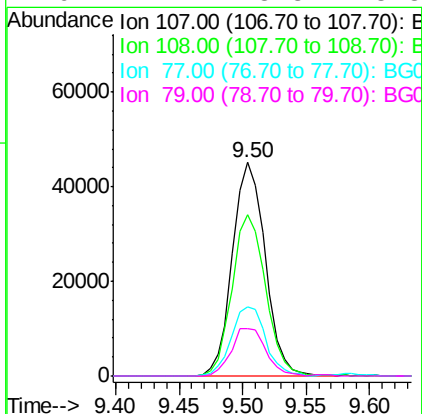
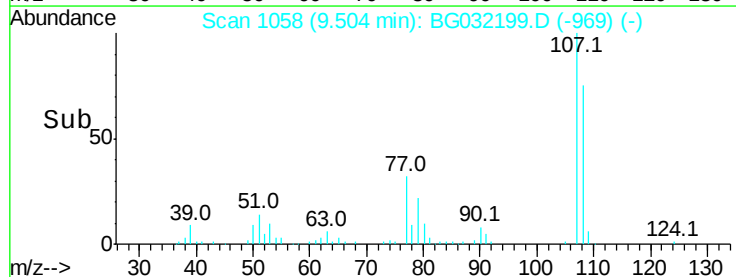
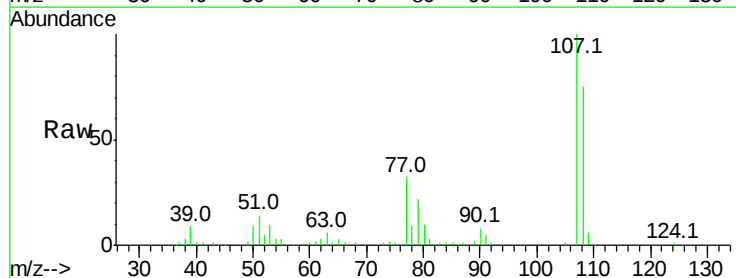
Instrument :
BNA_G
ClientSampleId :

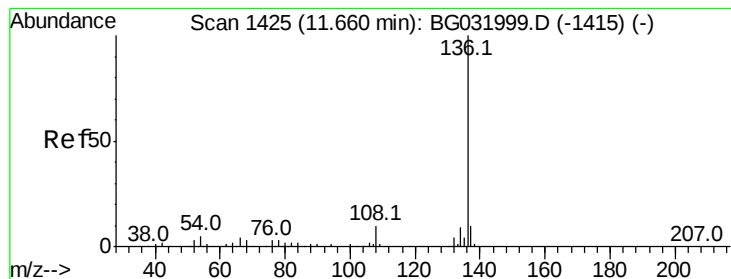
Tot Ion: 70 Resp: 32609
Ion Ratio Lower Upper
70 100
42 40.0 49.1 73.7#
101 0.0 8.5 12.7#
130 1.4 13.4 20.0#



#20
3+4-Methylphenols
Concen: 24.046 ng
RT: 9.50 min Scan# 1058
Delta R.T. -0.01 min
Lab File: BG032199.D
Acq: 21 Jan 2018 4:04

Tgt Ion:107 Resp: 80986
Ion Ratio Lower Upper
107 100
108 75.4 61.6 101.6
77 32.2 13.9 53.9
79 22.4 8.8 48.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.62 min Scan# 1419

Delta R.T. -0.00 min

Lab File: BG032199.D

Acq: 21 Jan 2018 4:04

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 180499

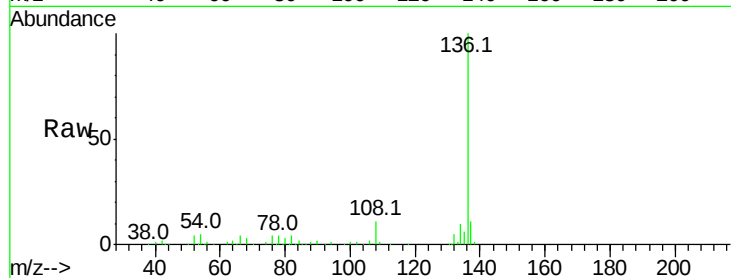
Ion Ratio Lower Upper

136 100

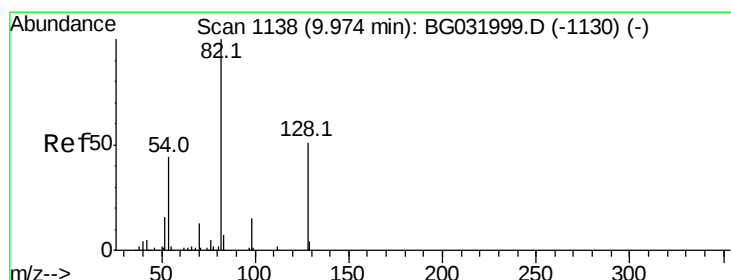
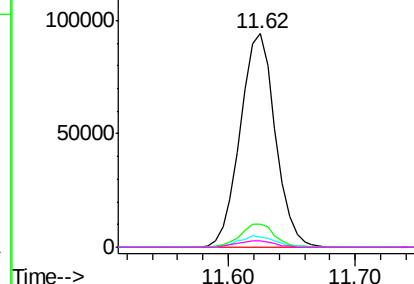
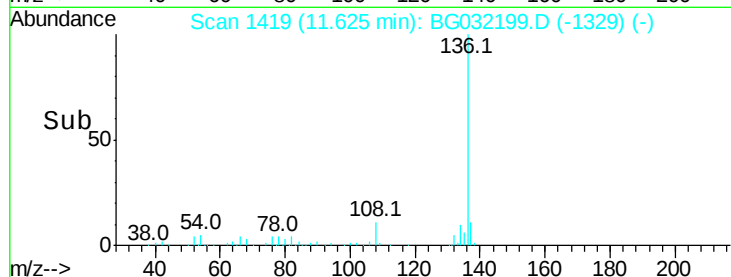
137 10.8 9.2 13.8

54 4.7 10.3 15.5#

68 2.8 4.5 6.7#



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



#23

Nitrobenzene-d5

Concen: 86.396 ng

RT: 9.94 min Scan# 1132

Delta R.T. -0.00 min

Lab File: BG032199.D

Acq: 21 Jan 2018 4:04

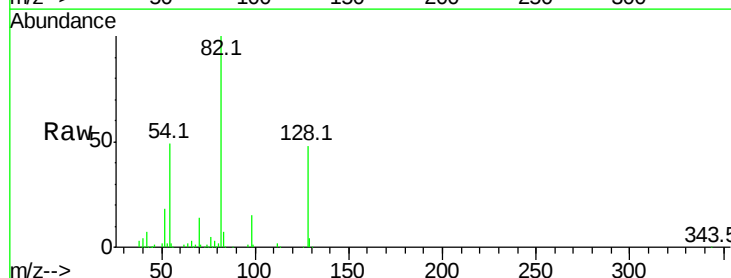
Tgt Ion: 82 Resp: 230500

Ion Ratio Lower Upper

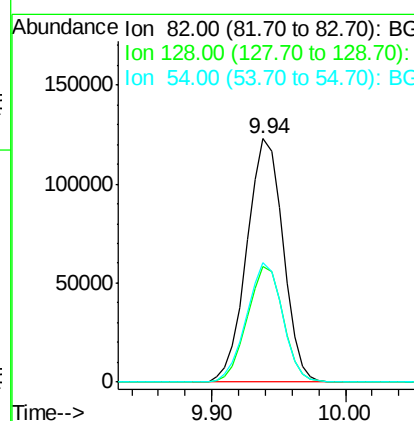
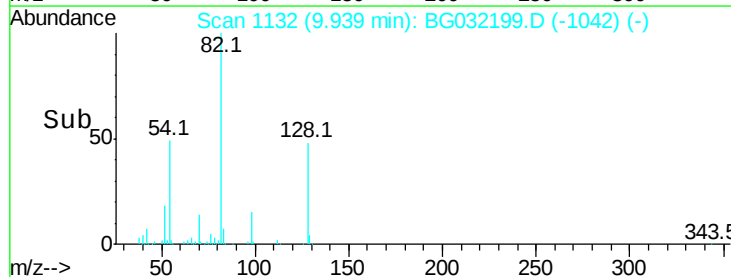
82 100

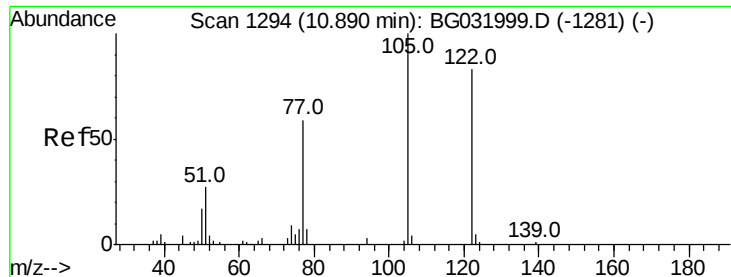
128 47.5 29.7 44.5#

54 49.0 43.1 64.7



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

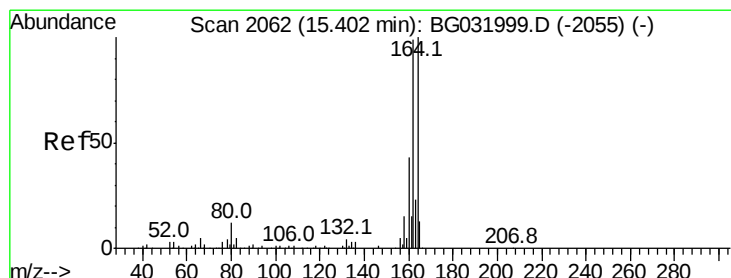
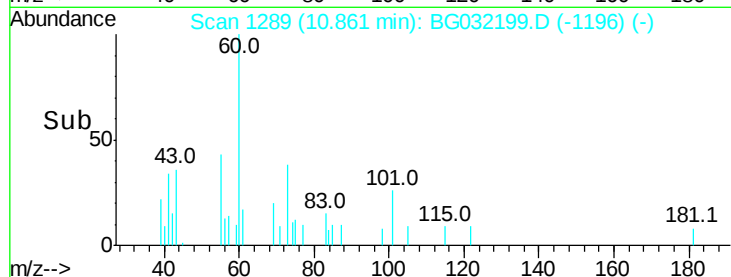
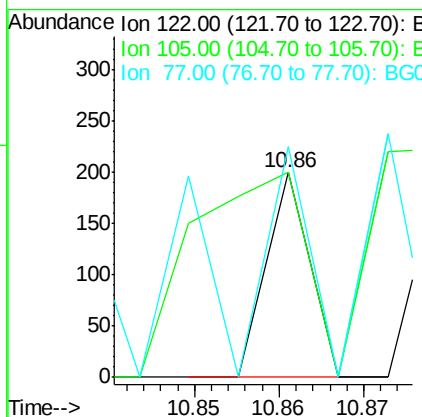
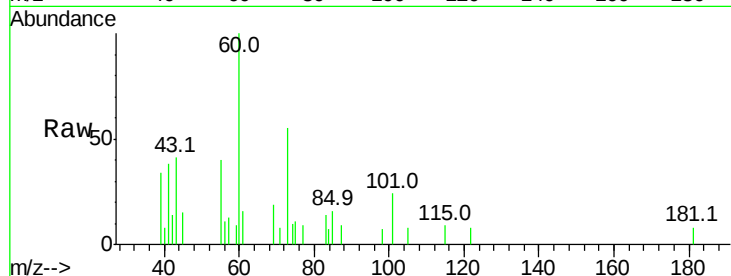




#32
Benzoic acid
Concen: 5.287 ng
RT: 10.86 min Scan# 1289
Delta R.T. 0.02 min
Lab File: BG032199.D
Acq: 21 Jan 2018 4:04

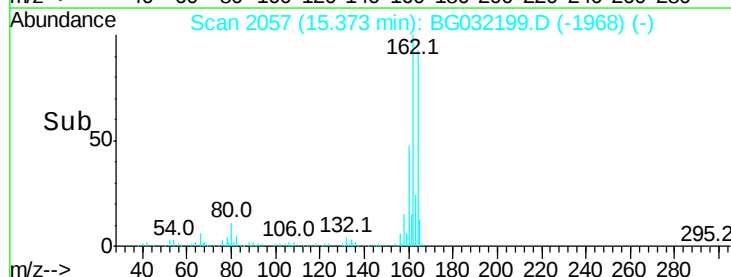
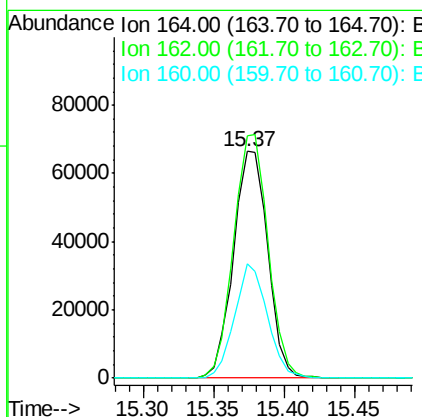
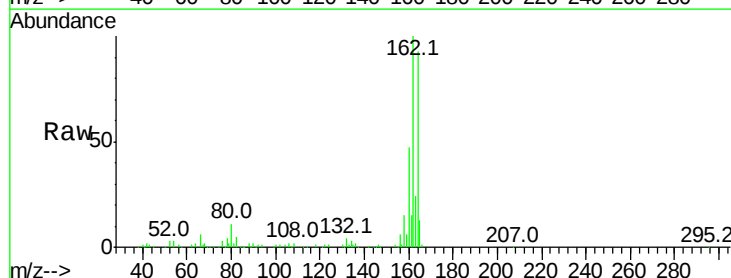
Instrument :
BNA_G
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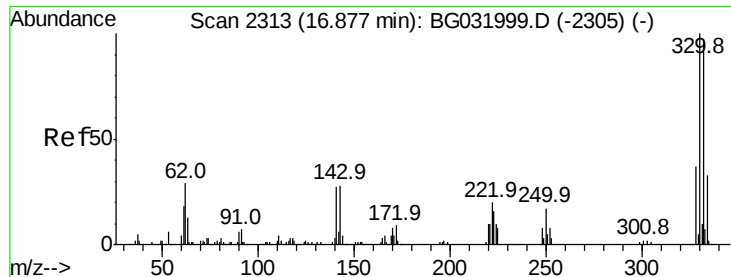
Tot Ion:122 Resp: 71
Ion Ratio Lower Upper
122 100
105 100.0 123.5 163.5#
77 113.0 85.7 125.7



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.37 min Scan# 2057
Delta R.T. -0.01 min
Lab File: BG032199.D
Acq: 21 Jan 2018 4:04

Tgt Ion:164 Resp: 112892
Ion Ratio Lower Upper
164 100
162 107.2 78.8 118.2
160 50.4 35.4 53.0

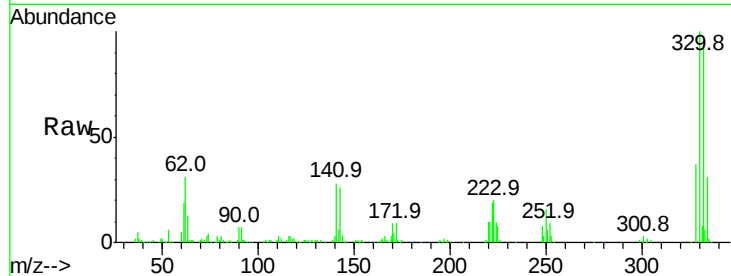




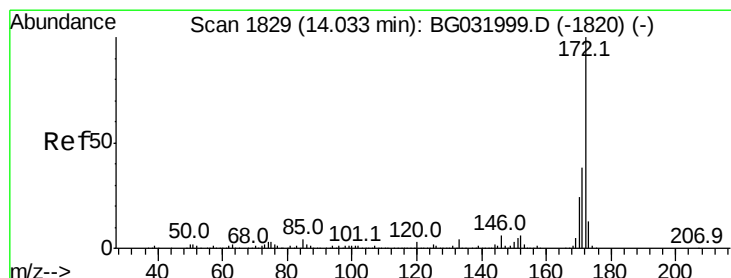
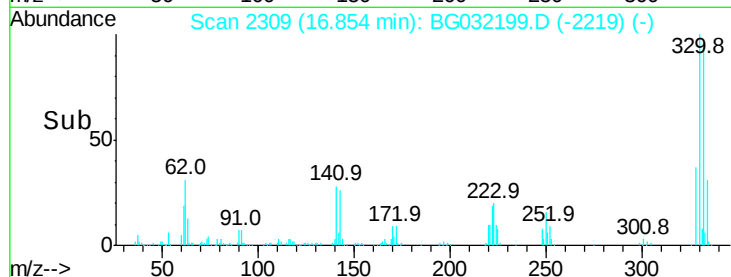
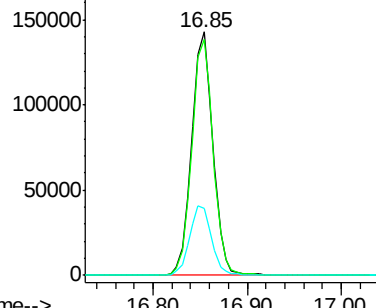
#41
 2,4,6-Tribromophenol
 Concen: 121.094 ng
 RT: 16.85 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: BG032199.D
 Acq: 21 Jan 2018 4:04

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	29.2	25.2	37.8

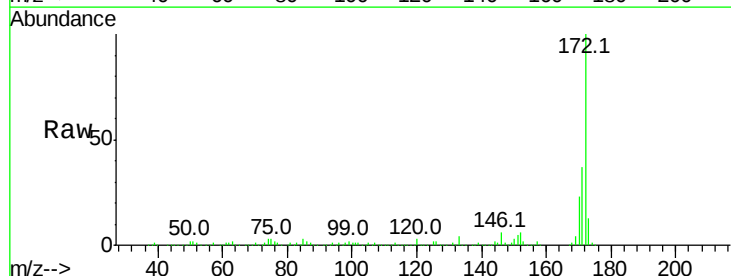


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

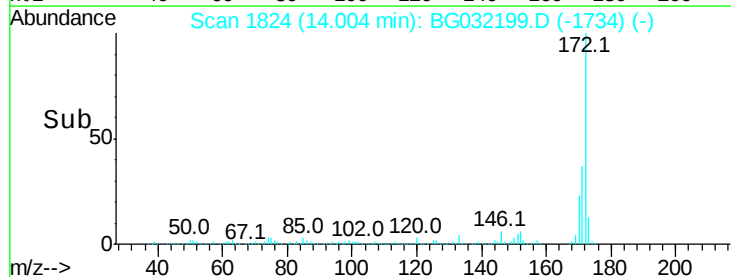
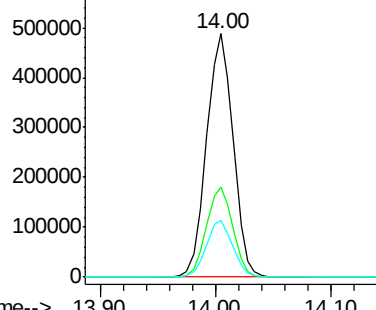


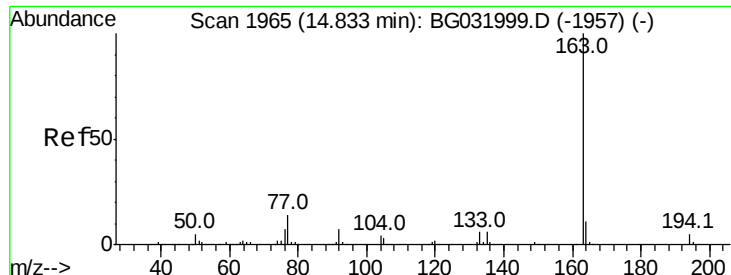
#44
 2-Fluorobiphenyl
 Concen: 84.980 ng
 RT: 14.00 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BG032199.D
 Acq: 21 Jan 2018 4:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.0	45.0
170	23.4	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: 2.622 ng

RT: 14.80 min Scan# 1960

Delta R.T. -0.01 min

Lab File: BG032199.D

Acq: 21 Jan 2018 4:04

Instrument :

BNA_G

ClientSampleId :

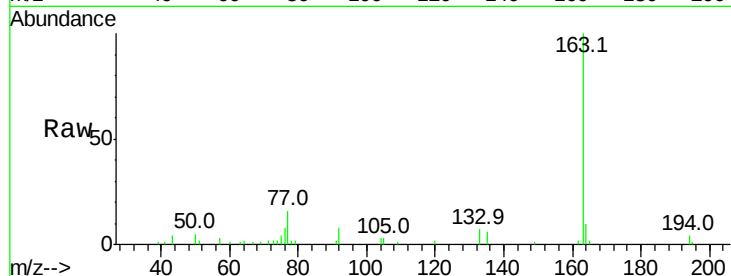
Tot Ion:163 Resp: 25900

Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.2

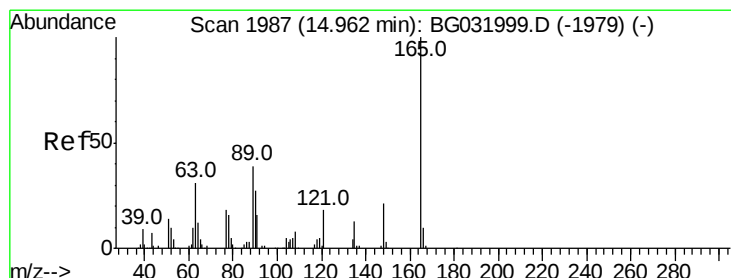
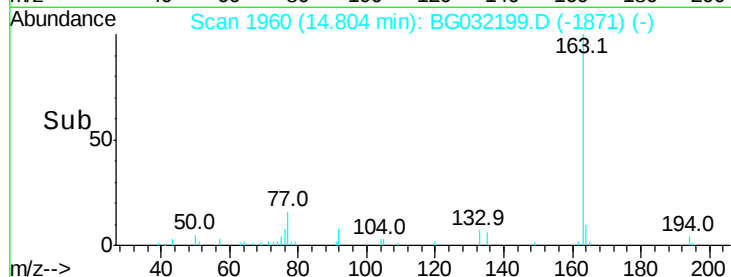
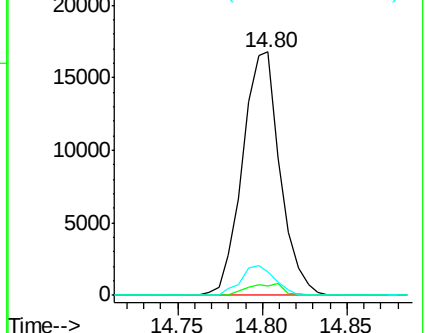
164 9.7 8.2 12.4



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: 7.372 ng

RT: 15.37 min Scan# 2057

Delta R.T. 0.44 min

Lab File: BG032199.D

Acq: 21 Jan 2018 4:04

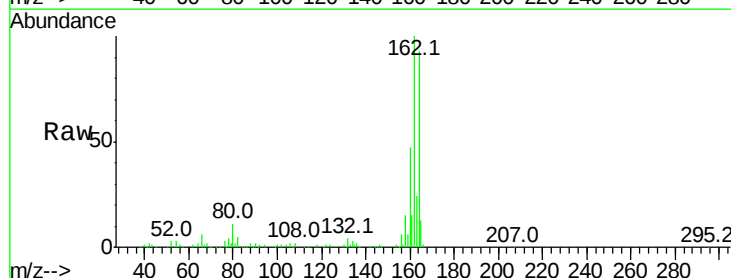
Tgt Ion:165 Resp: 15117

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

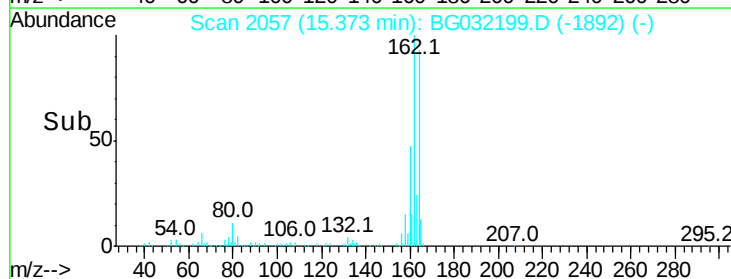
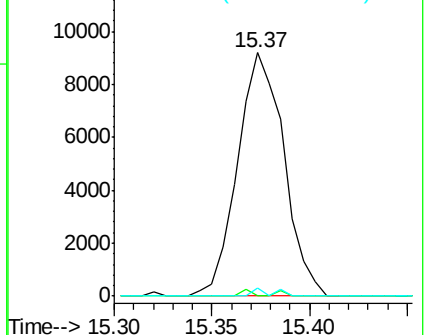
89 3.5 49.2 73.8#

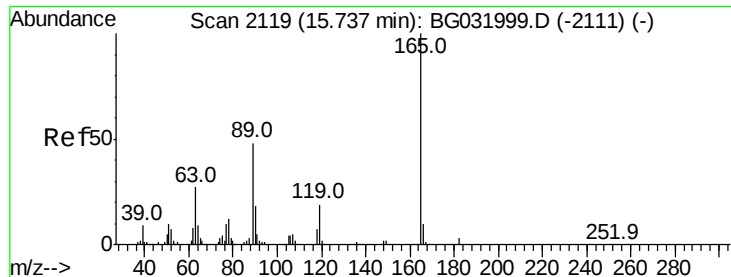


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0

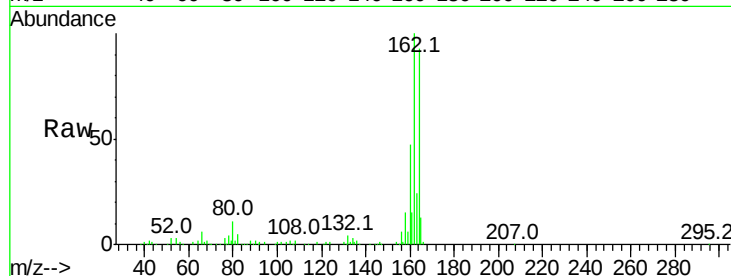




#56
2,4-Dinitrotoluene
Concen: 5.476 ng
RT: 15.37 min Scan# 2057
Delta R.T. -0.34 min
Lab File: BG032199.D
Acq: 21 Jan 2018 4:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	3.5	66.9	100.3#
182	0.0	2.6	3.8#

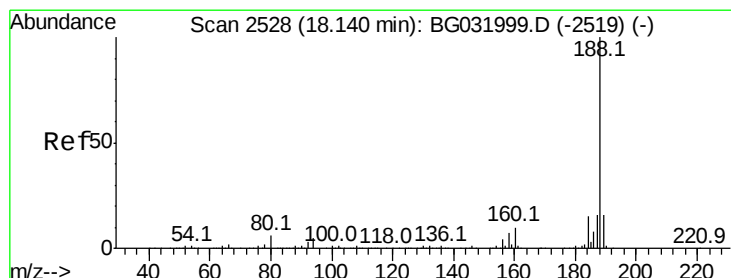
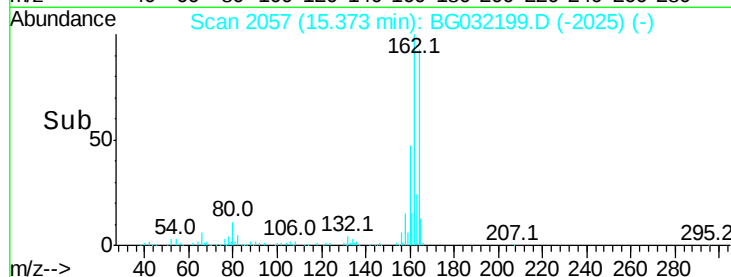
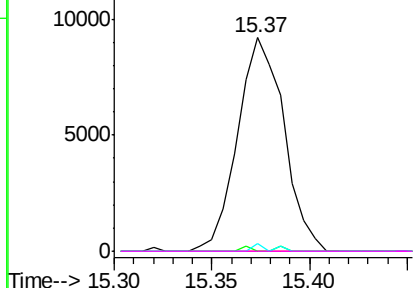


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

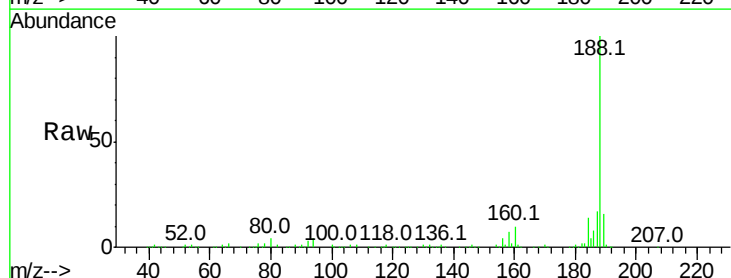
Ion 89.00 (88.70 to 89.70): BGC

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: BG032199.D
Acq: 21 Jan 2018 4:04

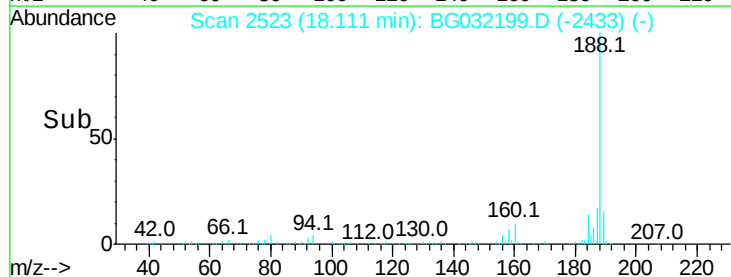
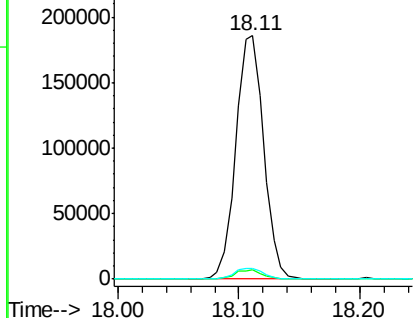
Tgt Ion	Ratio	Lower	Upper
188	100		
94	3.8	6.9	10.3#
80	4.3	7.7	11.5#

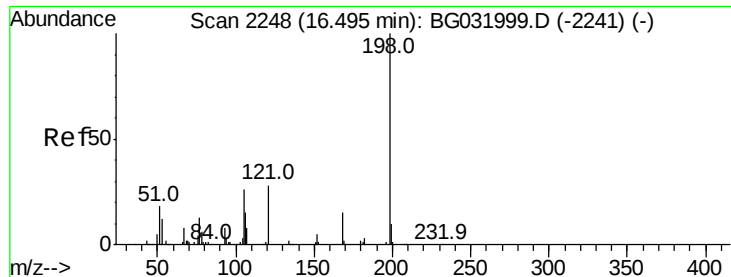


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

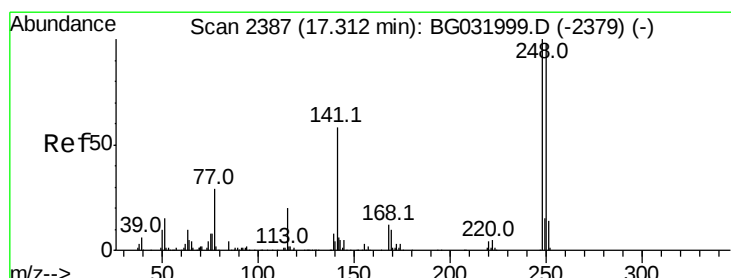
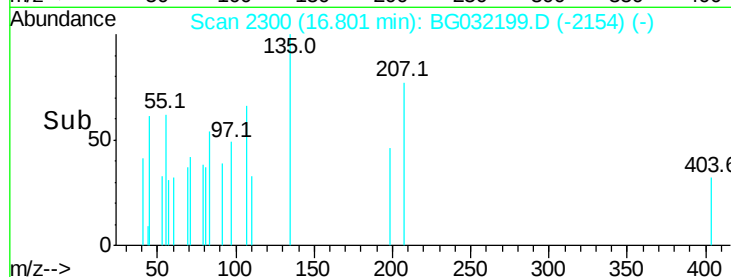
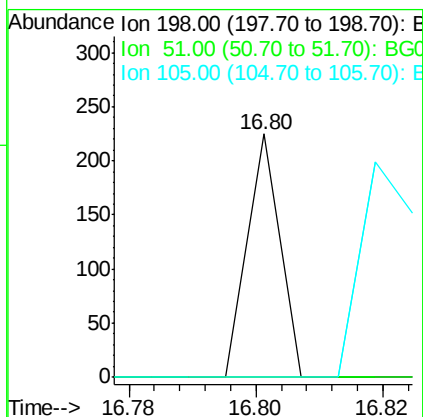
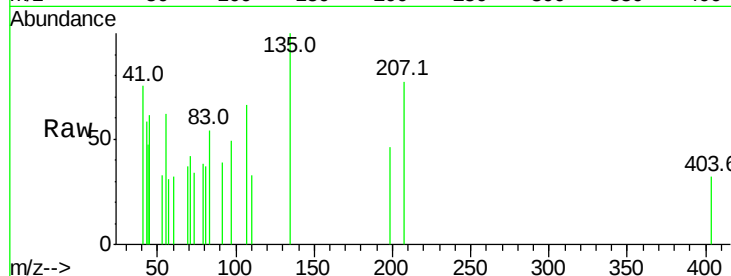




#64
4,6-Dinitro-2-methylphenol
Concen: 4.921 ng
RT: 16.80 min Scan# 2300
Delta R.T. 0.33 min
Lab File: BG032199.D
Acq: 21 Jan 2018 4:04

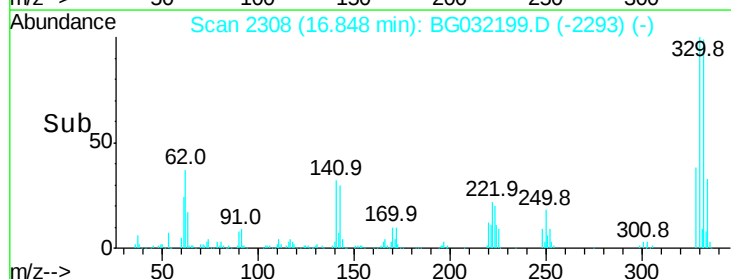
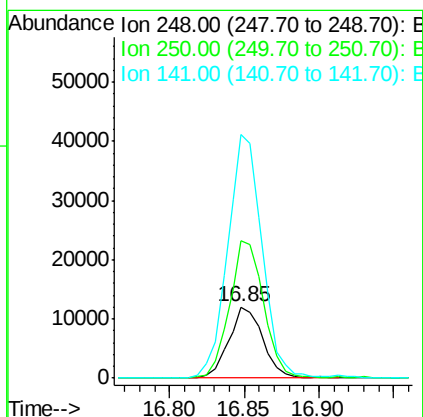
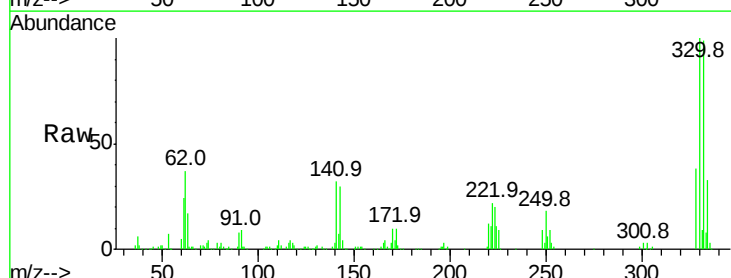
Instrument :
BNA_G
ClientSampleId :

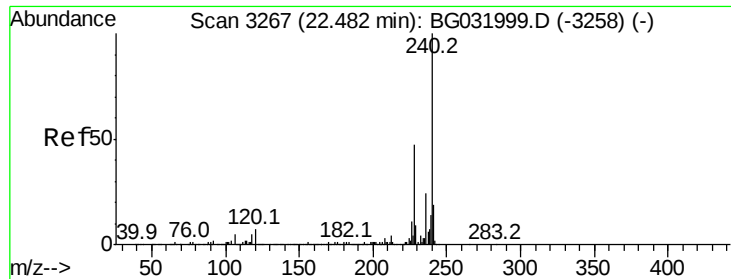
Tot Ion:198 Resp: 79
Ion Ratio Lower Upper
198 100
51 0.0 30.6 70.6#
105 0.0 23.8 63.8#



#66
4-Bromophenyl-phenylether
Concen: 4.500 ng
RT: 16.85 min Scan# 2308
Delta R.T. -0.44 min
Lab File: BG032199.D
Acq: 21 Jan 2018 4:04

Tgt Ion:248 Resp: 19118
Ion Ratio Lower Upper
248 100
250 192.3 77.1 115.7#
141 341.7 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.44 min Scan# 3260

Delta R.T. -0.01 min

Lab File: BG032199.D

Acq: 21 Jan 2018 4:04

Instrument :

BNA_G

ClientSampled :

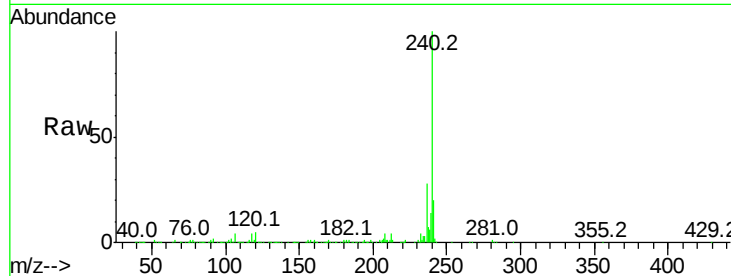
Tot Ion:240 Resp: 406140

Ion Ratio Lower Upper

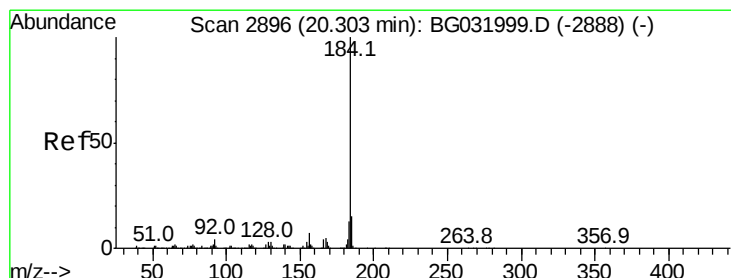
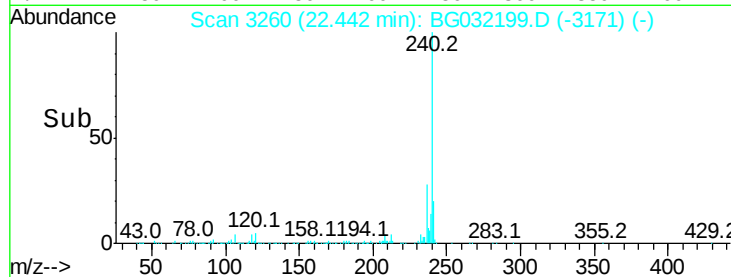
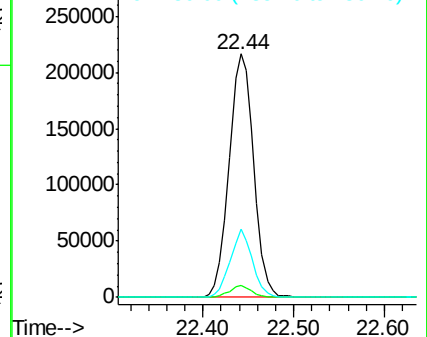
240 100

120 5.0 6.8 10.2#

236 27.9 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: 4.617 ng

RT: 20.27 min Scan# 2891

Delta R.T. -0.00 min

Lab File: BG032199.D

Acq: 21 Jan 2018 4:04

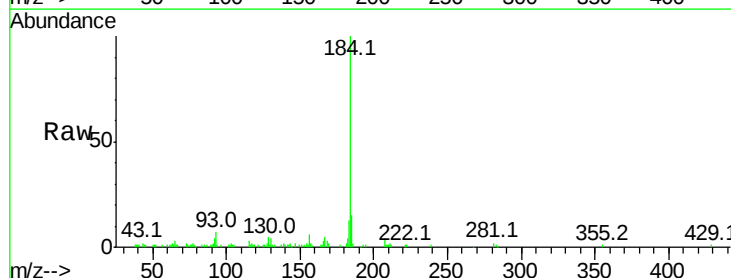
Tgt Ion:184 Resp: 46891

Ion Ratio Lower Upper

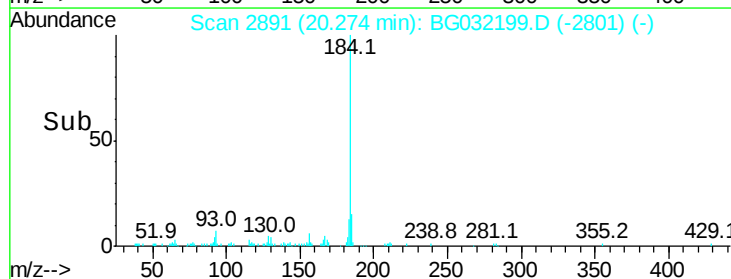
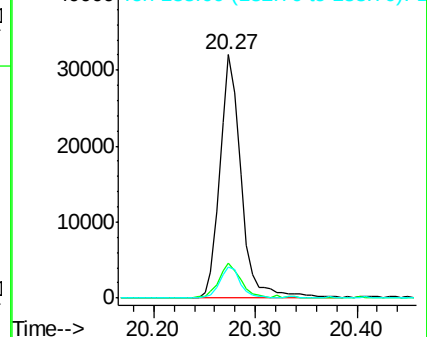
184 100

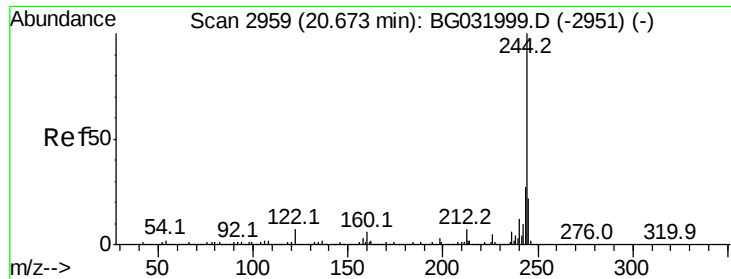
185 14.5 11.1 16.7

183 12.7 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



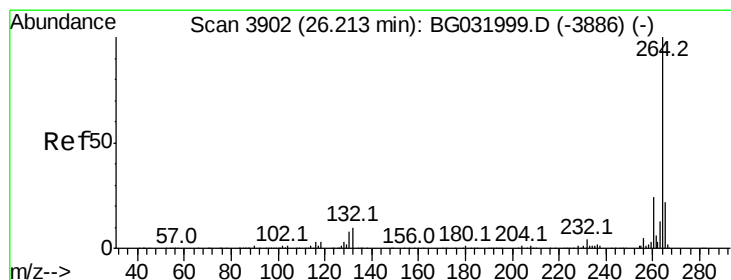
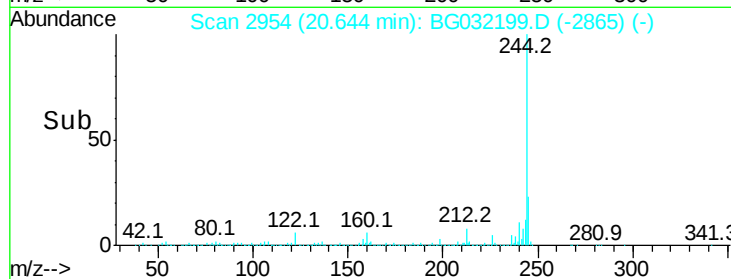
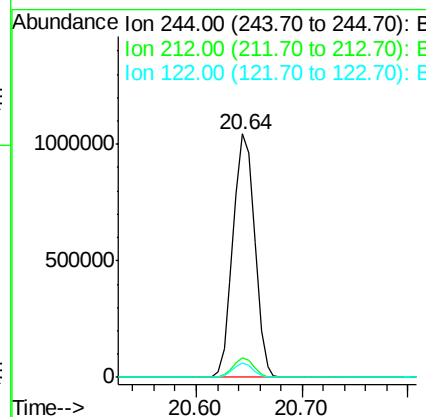
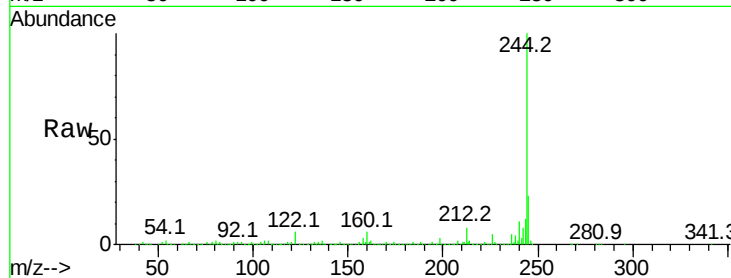


#78
 Terphenyl-d14
 Concen: 80.489 ng
 RT: 20.64 min Scan# 2954
 Delta R.T. -0.01 min
 Lab File: BG032199.D
 Acq: 21 Jan 2018 4:04

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1480489

Ion	Ratio	Lower	Upper
244	100		
212	8.0	5.8	8.8
122	6.0	7.0	10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.14 min Scan# 3890
 Delta R.T. -0.01 min
 Lab File: BG032199.D
 Acq: 21 Jan 2018 4:04

Tgt Ion:264 Resp: 433906

Ion	Ratio	Lower	Upper
264	100		
260	23.4	17.4	26.0
265	21.6	17.7	26.5

