

Data Path : U:\HPCHEM1\BNA G\DATA\BG020118\
 Data File : BG032497.D
 Acq On : 1 Feb 2018 19:44
 Operator : SJ/JU
 Sample : J1413-11
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 02 02:49:48 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

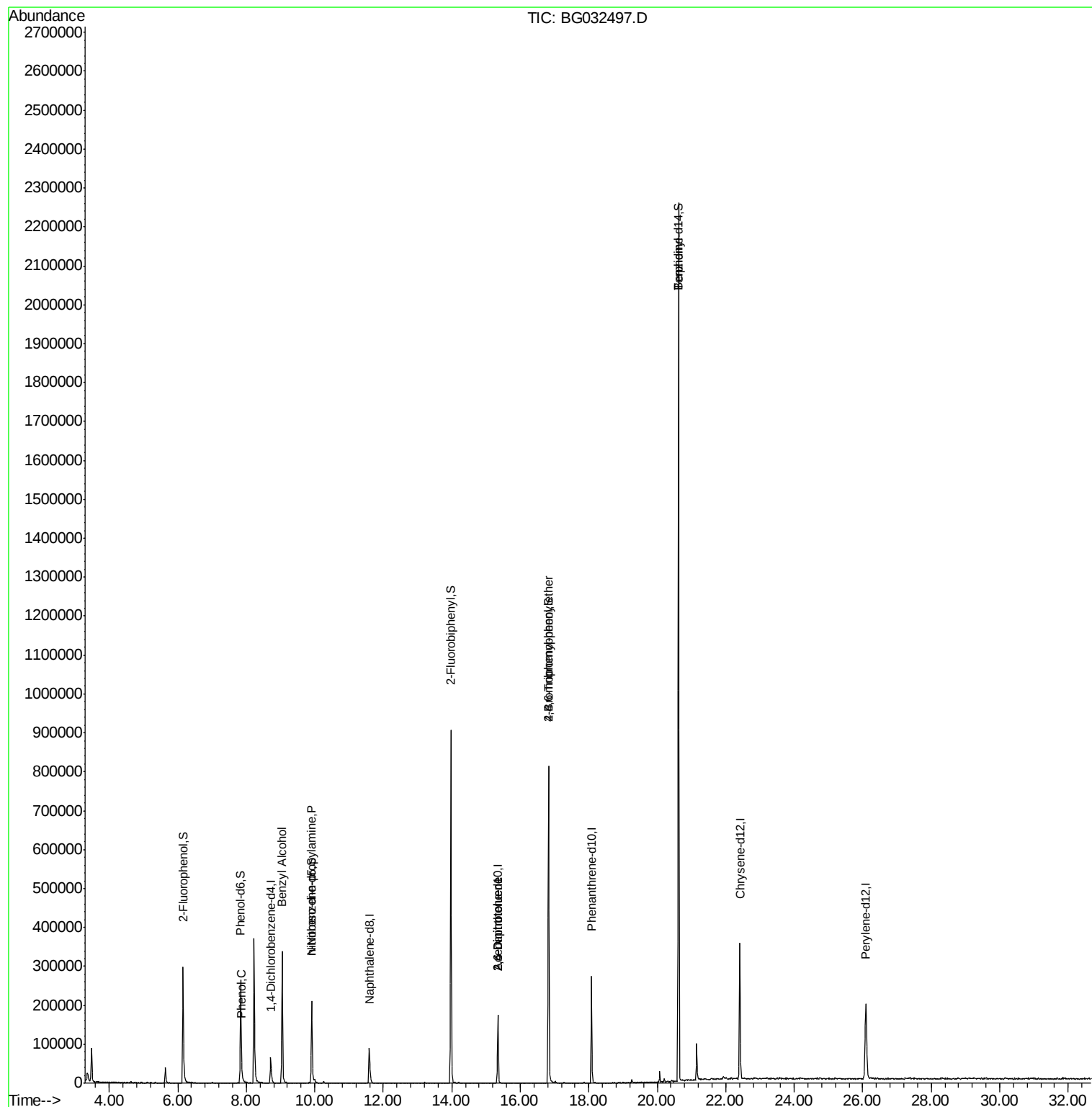
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.71	152	25482	20.00	ng	-0.01
21) Naphthalene-d8	11.59	136	102361	20.00	ng	-0.01
38) Acenaphthene-d10	15.34	164	71061	20.00	ng	-0.01
63) Phenanthrene-d10	18.08	188	200131	20.00	ng	0.00
75) Chrysene-d12	22.41	240	265445	20.00	ng	0.00
86) Perylene-d12	26.10	264	285090	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.15	112	163243	128.67	ng	0.00
7) Phenol-d6	7.83	99	181059	106.95	ng	0.00
23) Nitrobenzene-d5	9.91	82	145372	88.71	ng	-0.01
41) 2,4,6-Tribromophenol	16.82	330	197056	145.68	ng	-0.01
44) 2-Fluorobiphenyl	13.97	172	541752	90.61	ng	-0.01
78) Terphenyl-d14	20.62	244	1201264	96.94	ng	0.00
Target Compounds						
10) Phenol	7.87	94	4805	2.989	ng	# 54
15) Benzyl Alcohol	9.05	79	2969	2.128	ng	# 33
19) n-Nitroso-di-n-propylamine	9.91	70	21167	18.857	ng	# 72
50) 2,6-Dinitrotoluene	15.34	165	9178	6.674	ng	# 21
56) 2,4-Dinitrotoluene	15.34	165	9178	4.687	ng	# 19
66) 4-Bromophenyl-phenylether	16.82	248	16363	5.519	ng	# 1
76) Benizidine	20.62	184	17159	3.292	ng	# 88

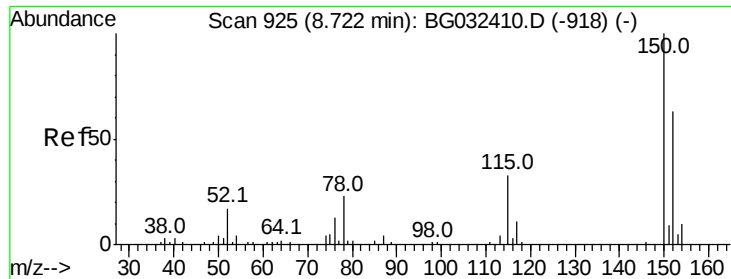
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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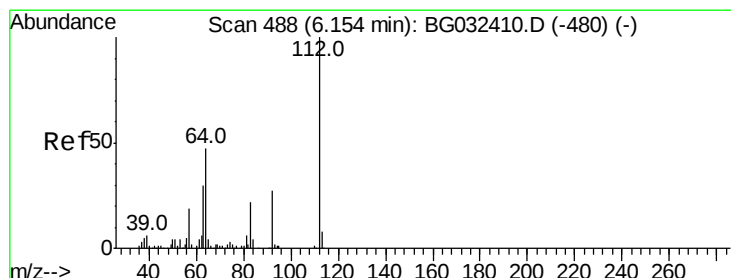
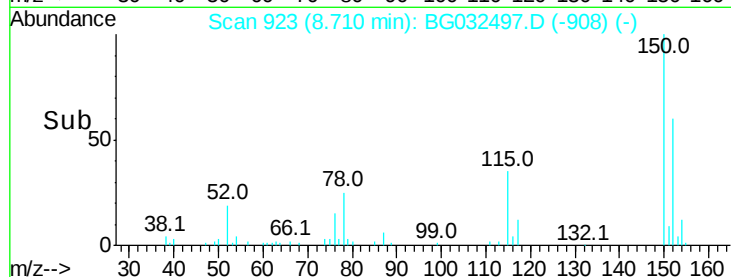
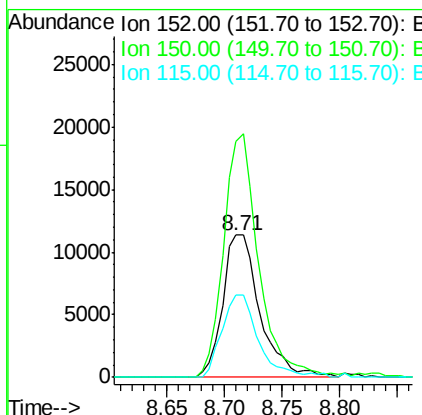
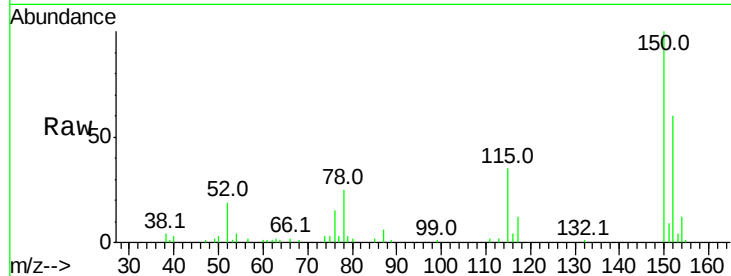


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.71 min Scan# 923
Delta R.T. -0.01 min
Lab File: BG032497.D
Acq: 1 Feb 2018 19:44

Instrument :
BNA_G
ClientSampleId :

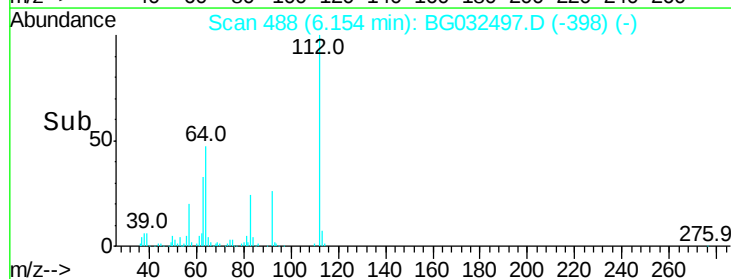
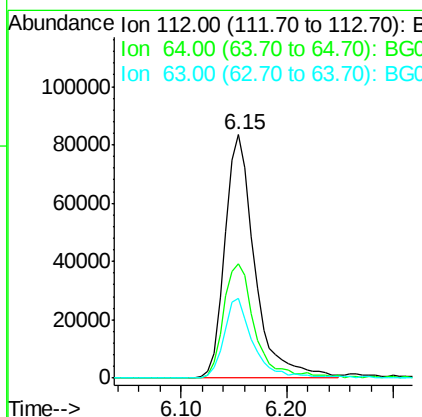
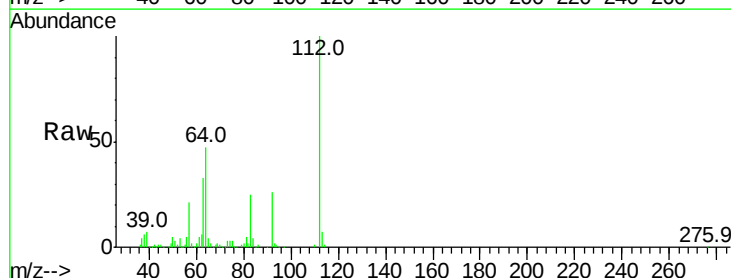
Tot Ion:152 Resp: 25482
Ion Ratio Lower Upper
152 100
150 166.0 126.6 189.8
115 57.4 53.0 79.4

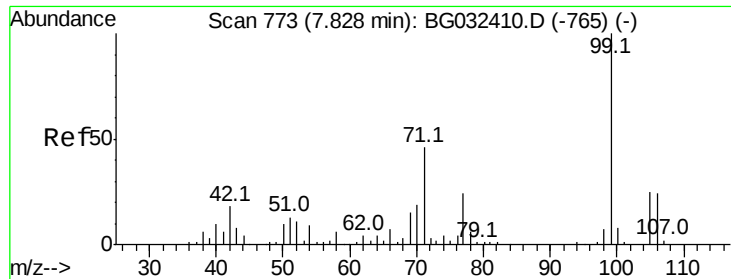


#5

2-Fluorophenol
Concen: 128.672 ng
RT: 6.15 min Scan# 488
Delta R.T. 0.00 min
Lab File: BG032497.D
Acq: 1 Feb 2018 19:44

Tgt Ion:112 Resp: 163243
Ion Ratio Lower Upper
112 100
64 46.8 56.3 84.5#
63 32.8 30.1 45.1





#7

Phenol-d6

Concen: 106.950 ng

RT: 7.83 min Scan# 774

Delta R.T. 0.01 min

Lab File: BG032497.D

Acq: 1 Feb 2018 19:44

Instrument :

BNA_G

ClientSampleId :

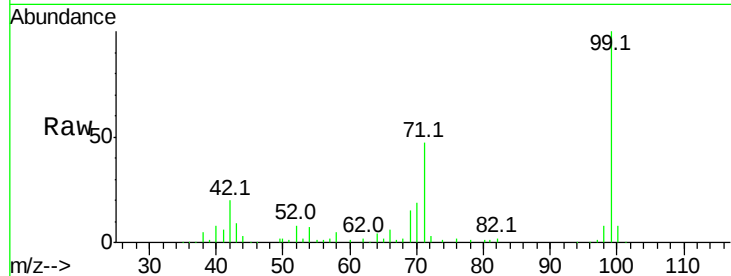
Tot Ion: 99 Resp: 181059

Ion Ratio Lower Upper

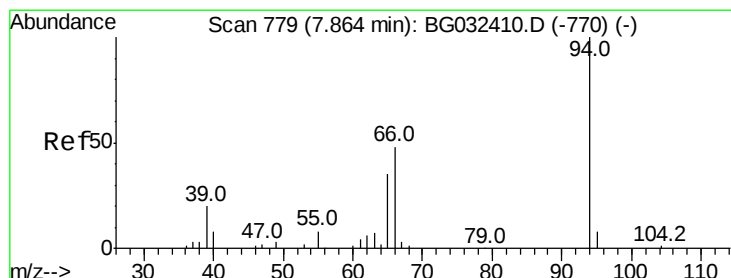
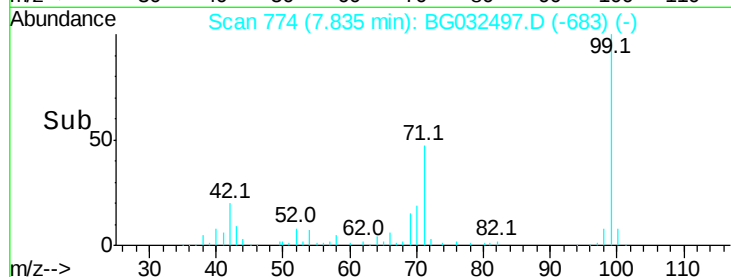
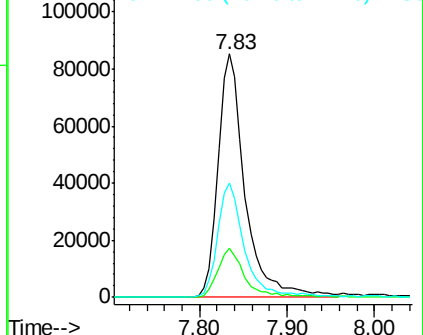
99 100

42 20.1 14.1 21.1

71 47.2 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: 2.989 ng

RT: 7.87 min Scan# 780

Delta R.T. 0.01 min

Lab File: BG032497.D

Acq: 1 Feb 2018 19:44

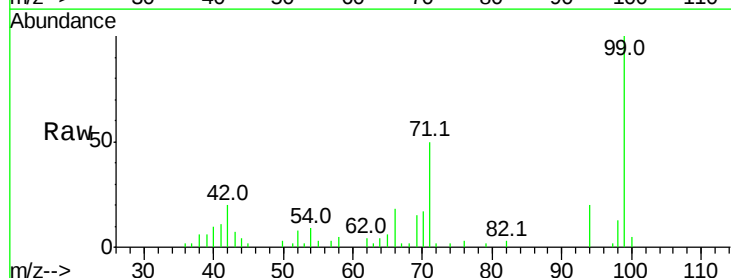
Tgt Ion: 94 Resp: 4805

Ion Ratio Lower Upper

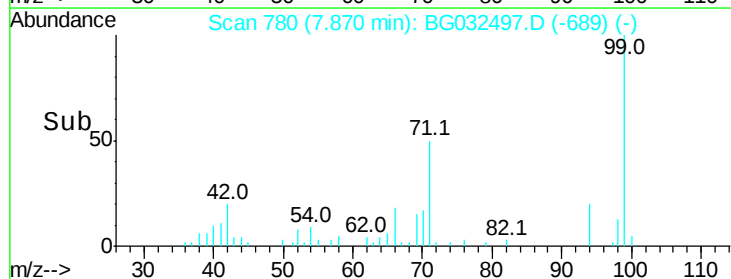
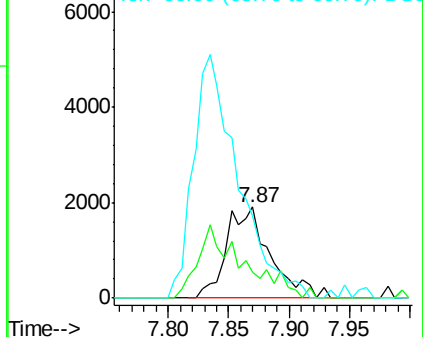
94 100

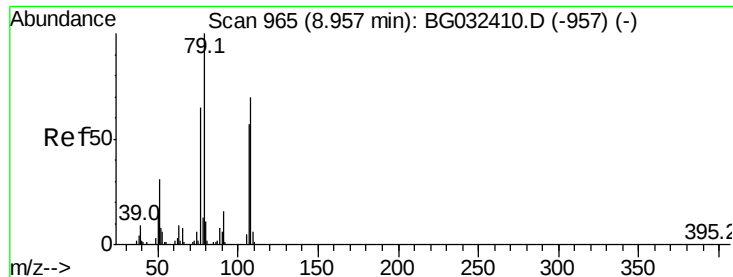
65 28.3 11.9 51.9

66 90.2 22.2 62.2#



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





#15

Benzyl Alcohol

Concen: 2.128 ng

RT: 9.05 min Scan# 981

Delta R.T. 0.09 min

Lab File: BG032497.D

Acq: 1 Feb 2018 19:44

Instrument :

BNA_G

ClientSampleId :

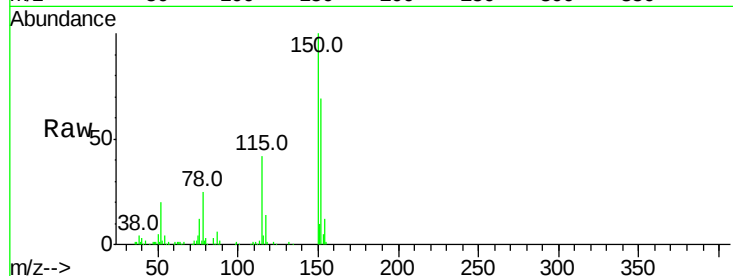
Tot Ion: 79 Resp: 2969

Ion Ratio Lower Upper

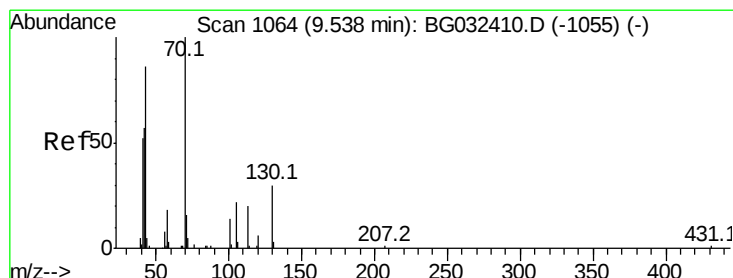
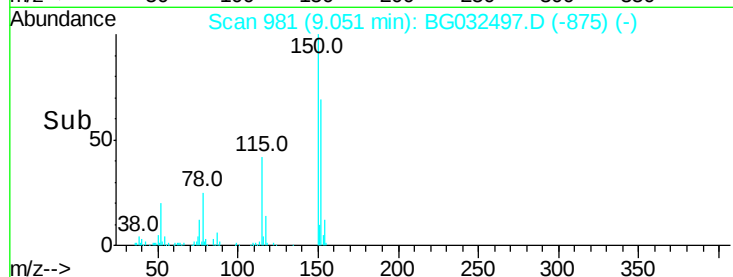
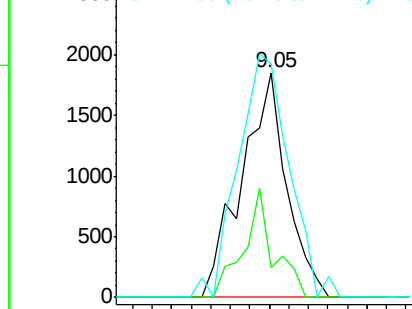
79 100

108 13.2 57.2 85.8#

77 103.7 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 18.857 ng

RT: 9.91 min Scan# 1128

Delta R.T. 0.38 min

Lab File: BG032497.D

Acq: 1 Feb 2018 19:44

Tgt Ion: 70 Resp: 21167

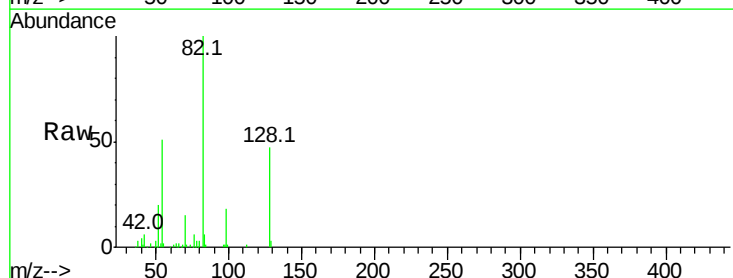
Ion Ratio Lower Upper

70 100

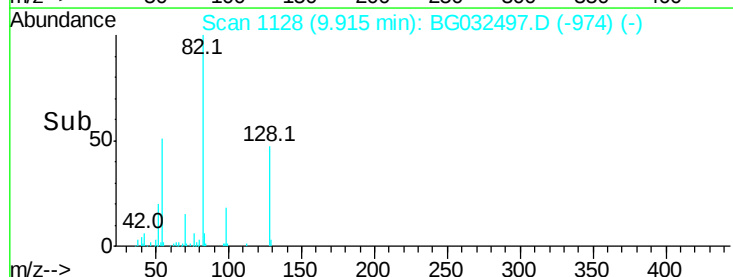
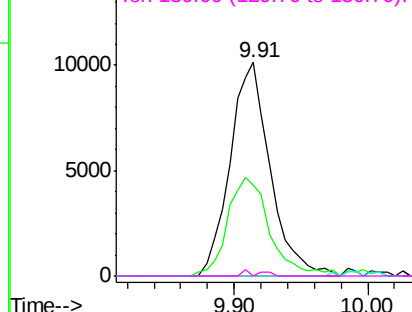
42 42.4 49.1 73.7#

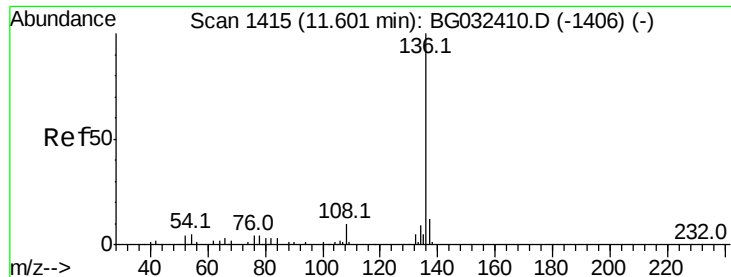
101 0.0 8.5 12.7#

130 0.0 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

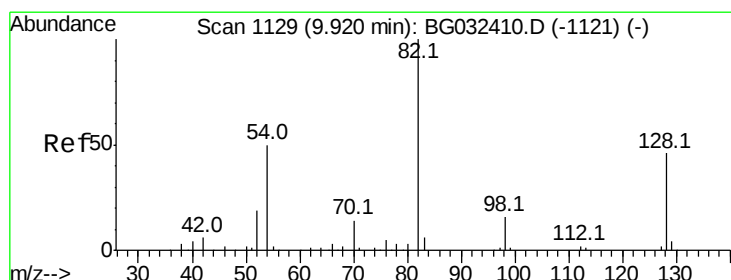
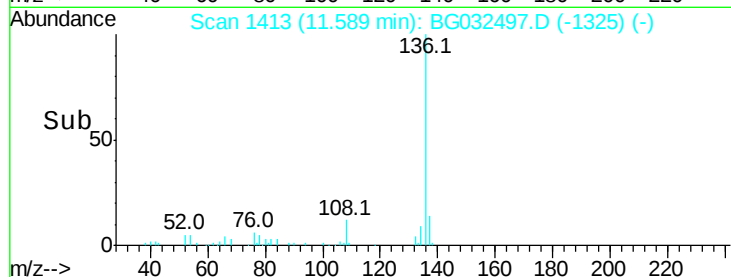
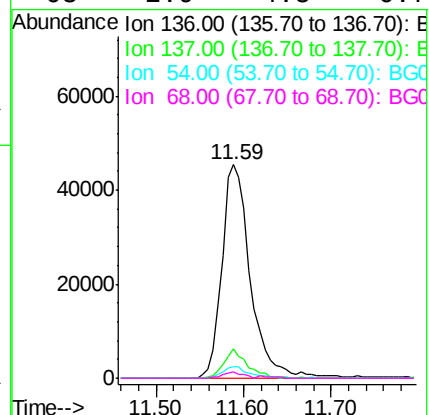
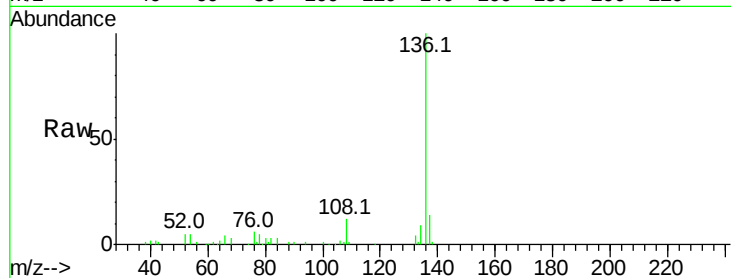




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.59 min Scan# 1413
Delta R.T. -0.01 min
Lab File: BG032497.D
Acq: 1 Feb 2018 19:44

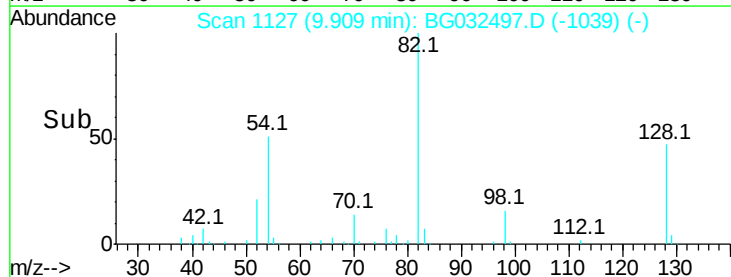
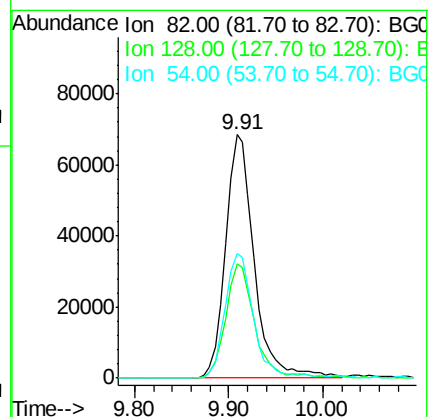
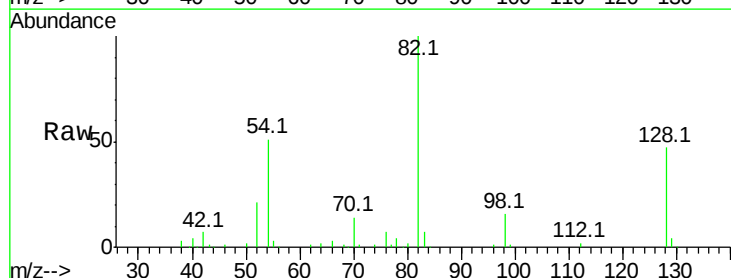
Instrument :
BNA_G
ClientSampleId :

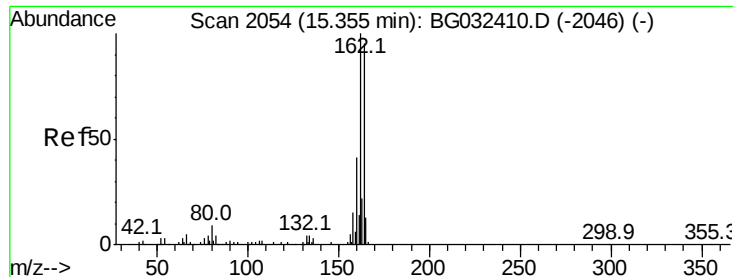
Tot Ion	Ratio	Lower	Upper
136	100		
137	13.7	9.2	13.8
54	5.2	10.3	15.5#
68	2.9	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 88.706 ng
RT: 9.91 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BG032497.D
Acq: 1 Feb 2018 19:44

Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.9	29.7	44.5#
54	51.4	43.1	64.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.34 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BG032497.D

Acq: 1 Feb 2018 19:44

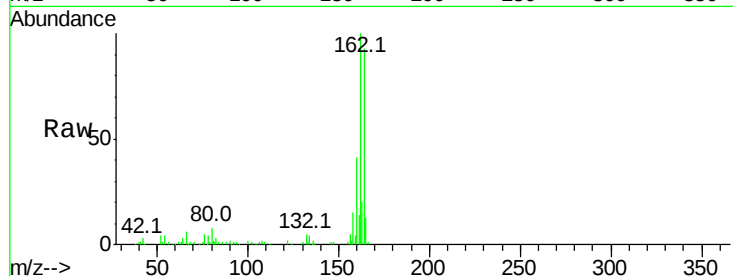
Instrument :

BNA_G

ClientSampled :

Tot Ion:164 Resp: 71061

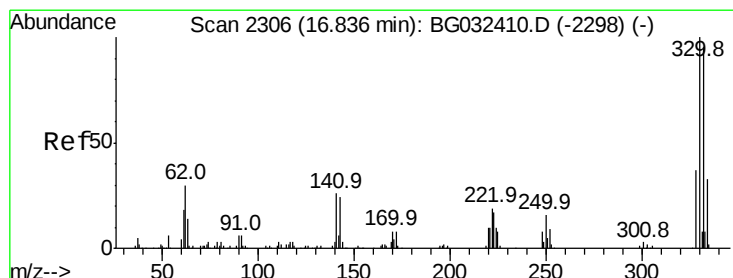
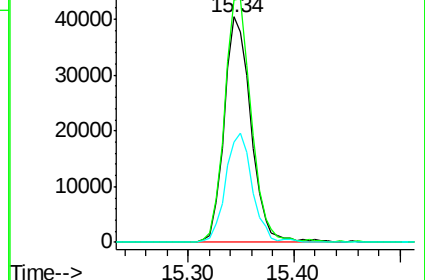
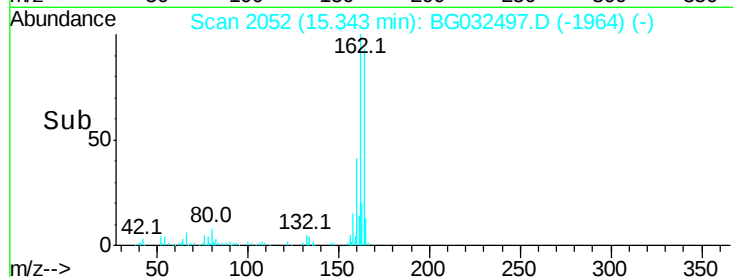
Ion	Ratio	Lower	Upper
164	100		
162	107.5	78.8	118.2
160	44.2	35.4	53.0



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: 145.682 ng

RT: 16.82 min Scan# 2304

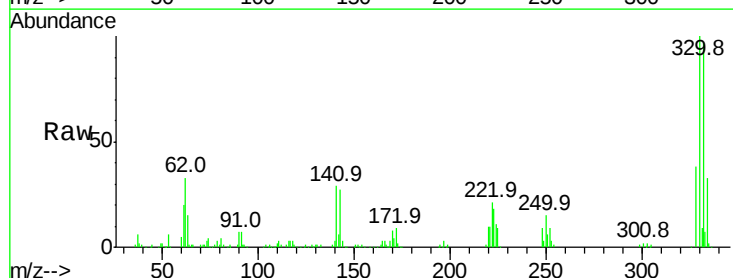
Delta R.T. -0.01 min

Lab File: BG032497.D

Acq: 1 Feb 2018 19:44

Tgt Ion:330 Resp: 197056

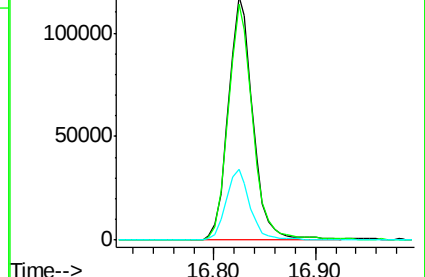
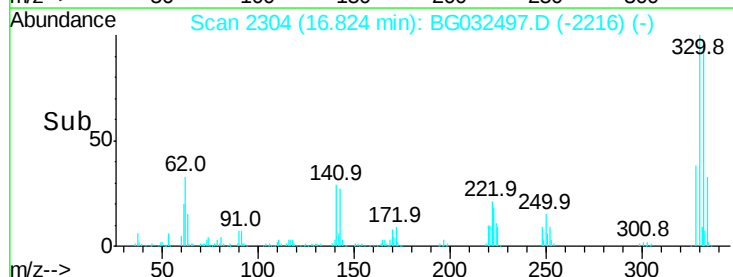
Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.0	115.6
141	28.4	25.2	37.8

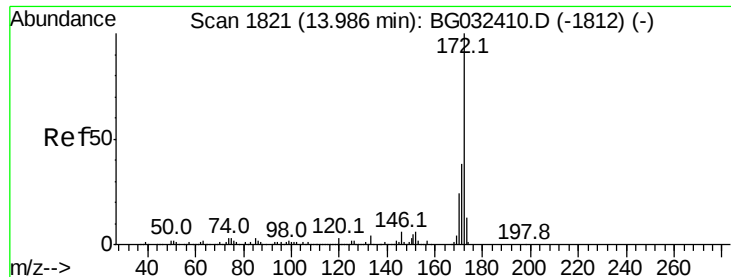


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

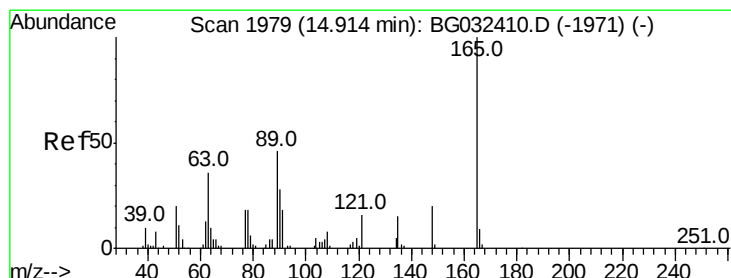
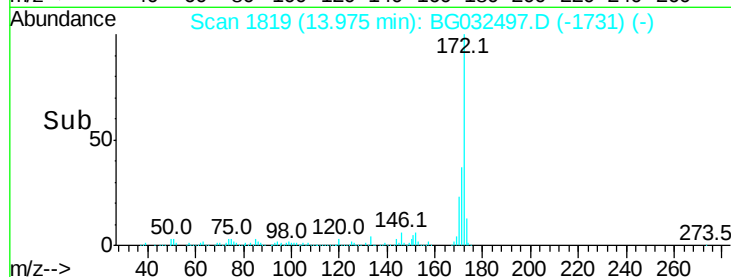
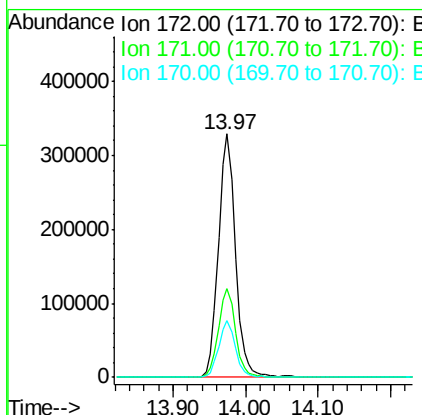
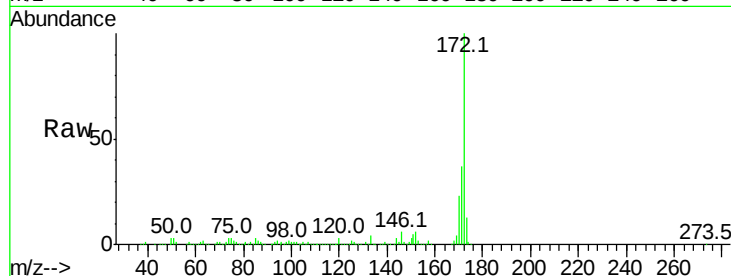




#44
2-Fluorobiphenyl
Concen: 90.613 ng
RT: 13.97 min Scan# 1819
Delta R.T. -0.01 min
Lab File: BG032497.D
Acq: 1 Feb 2018 19:44

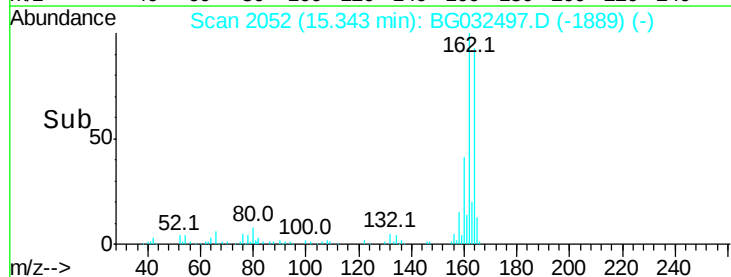
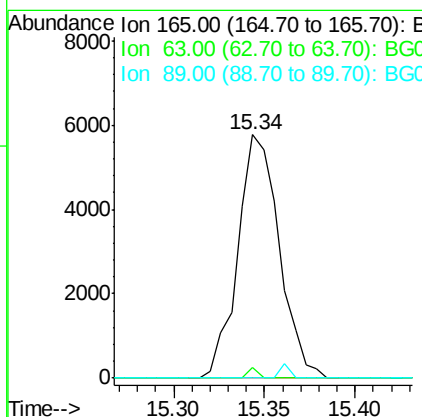
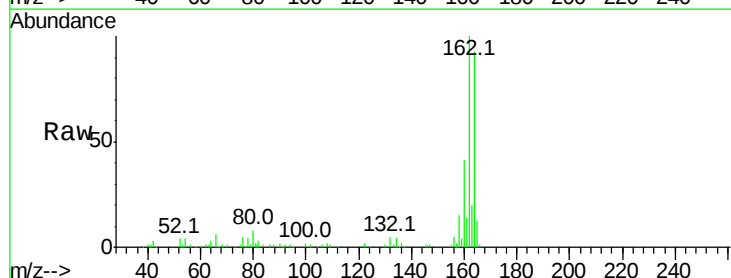
Instrument :
BNA_G
ClientSampleId :

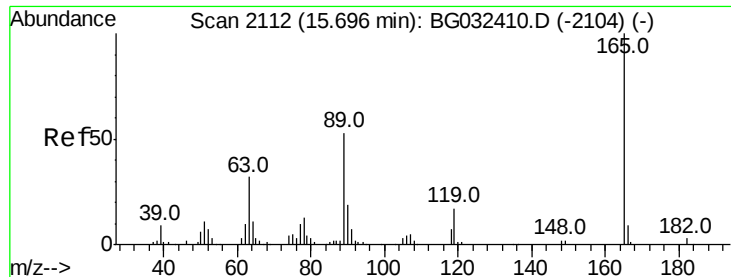
Tot Ion:172 Resp: 541752
Ion Ratio Lower Upper
172 100
171 36.7 30.0 45.0
170 23.1 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 6.674 ng
RT: 15.34 min Scan# 2052
Delta R.T. 0.43 min
Lab File: BG032497.D
Acq: 1 Feb 2018 19:44

Tgt Ion:165 Resp: 9178
Ion Ratio Lower Upper
165 100
63 4.2 52.7 79.1#
89 0.0 49.2 73.8#





#56

2,4-Dinitrotoluene

Concen: 4.687 ng

RT: 15.34 min Scan# 2052

Delta R.T. -0.35 min

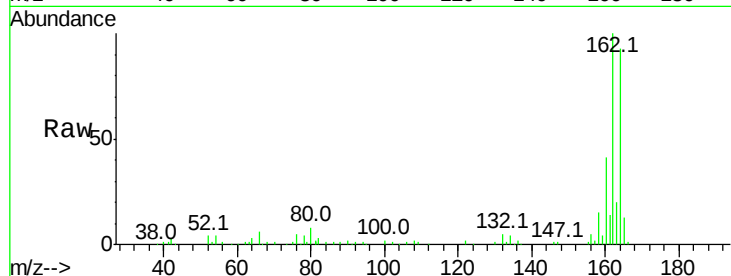
Lab File: BG032497.D

Acq: 1 Feb 2018 19:44

Instrument :

BNA_G

ClientSampleId :



Tot Ion:165 Resp: 9178

Ion Ratio Lower Upper

165 100

63 4.2 42.0 63.0#

89 0.0 66.9 100.3#

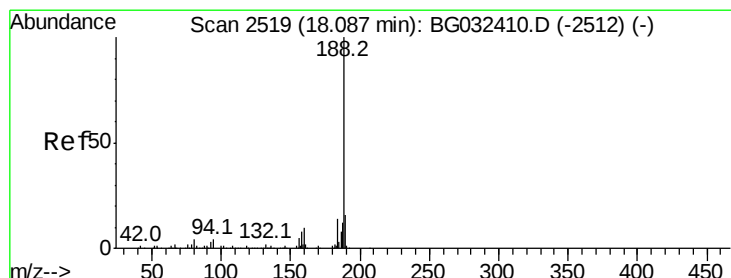
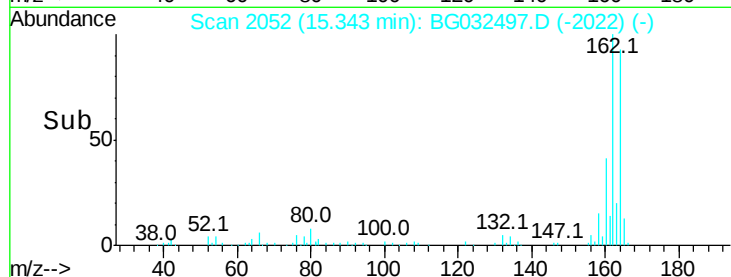
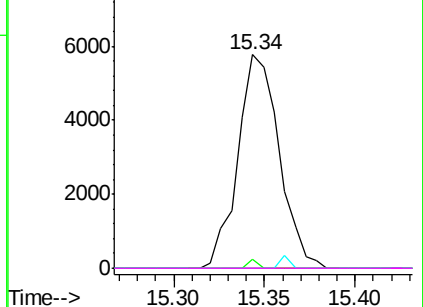
182 0.0 2.6 3.8#

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: 18.08 min Scan# 2518

Delta R.T. -0.01 min

Lab File: BG032497.D

Acq: 1 Feb 2018 19:44

Tgt Ion:188 Resp: 200131

Ion Ratio Lower Upper

188 100

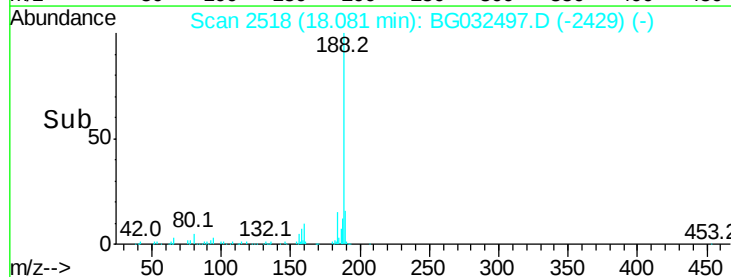
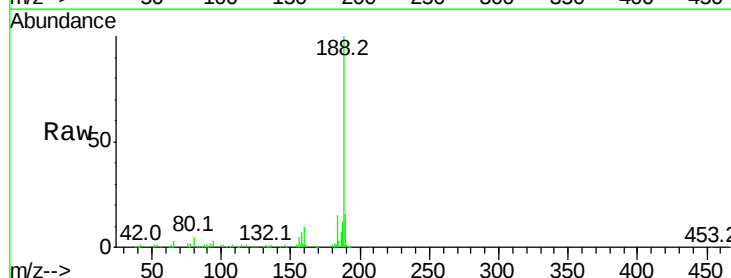
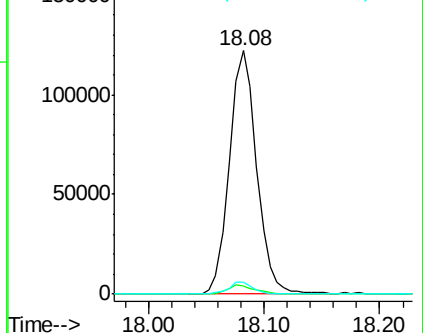
94 3.5 6.9 10.3#

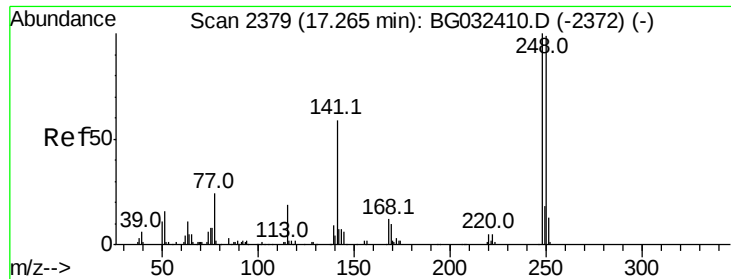
80 5.0 7.7 11.5#

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

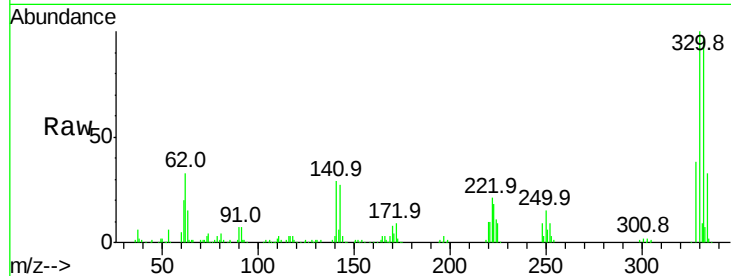




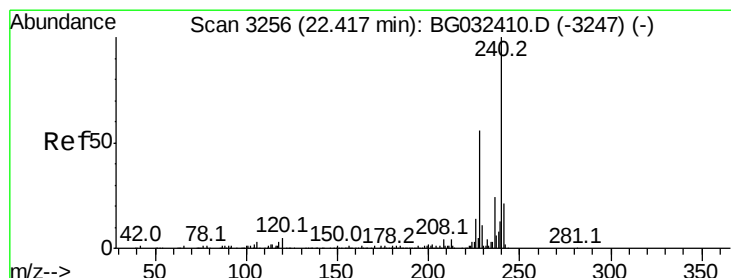
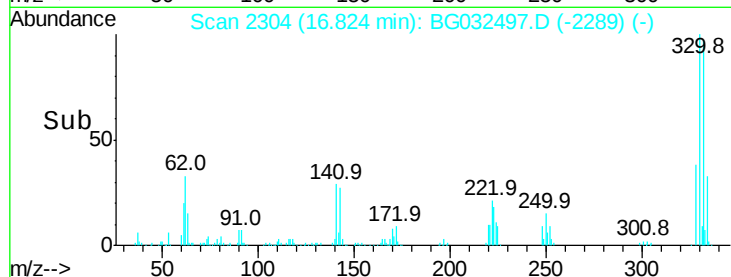
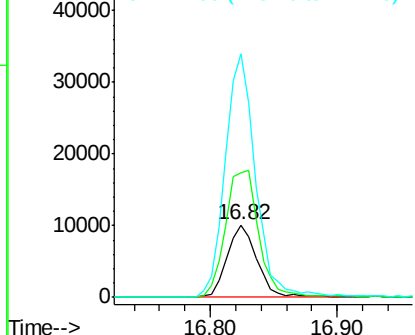
#66
 4-Bromophenyl-phenylether
 Concen: 5.519 ng
 RT: 16.82 min Scan# 2304
 Delta R.T. -0.44 min
 Lab File: BG032497.D
 Acq: 1 Feb 2018 19:44

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 16363
 Ion Ratio Lower Upper
 248 100
 250 171.6 77.1 115.7#
 141 336.2 50.8 76.2#

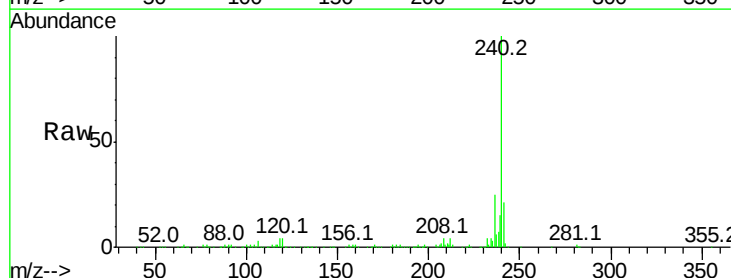


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

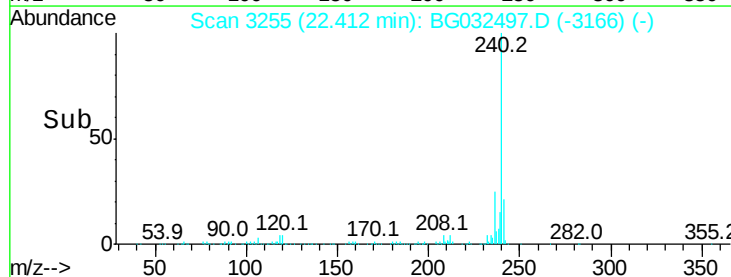
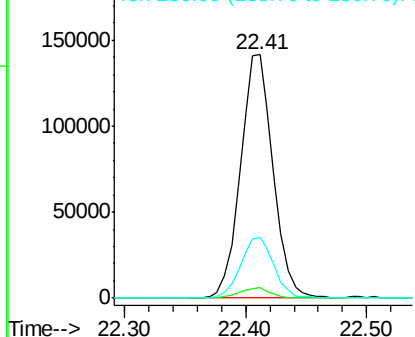


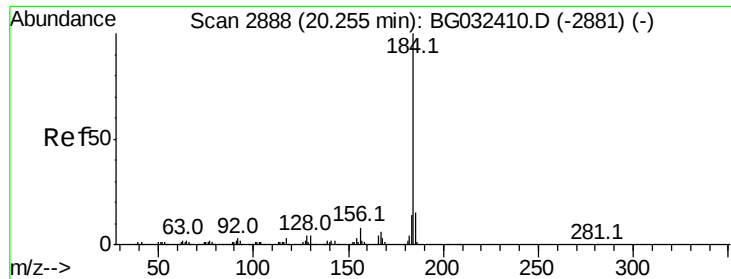
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.41 min Scan# 3255
 Delta R.T. -0.01 min
 Lab File: BG032497.D
 Acq: 1 Feb 2018 19:44

Tgt Ion:240 Resp: 265445
 Ion Ratio Lower Upper
 240 100
 120 4.4 6.8 10.2#
 236 25.0 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

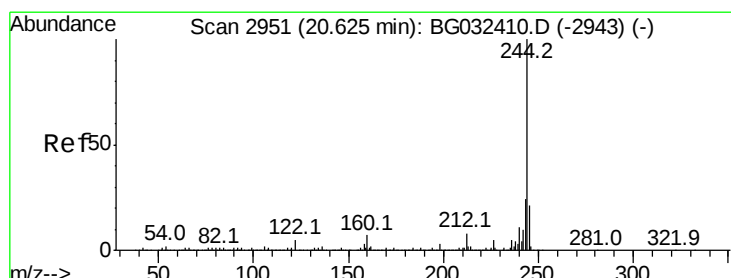
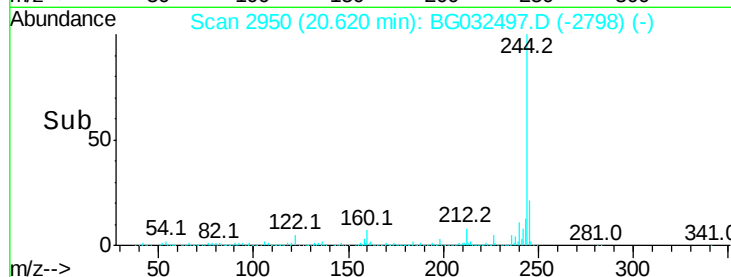
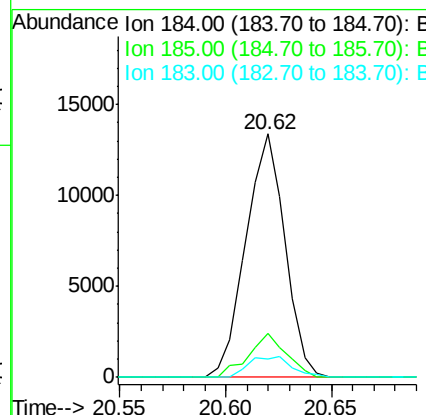
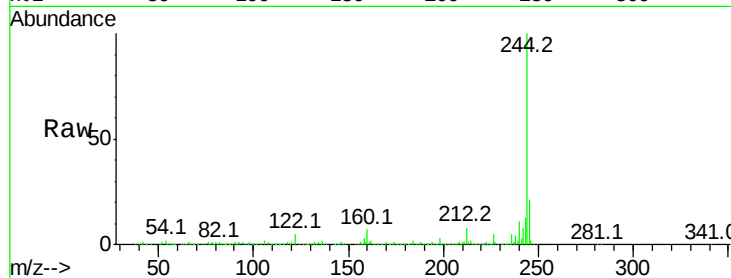




#76
Benzidine
Concen: 3.292 ng
RT: 20.62 min Scan# 2950
Delta R.T. 0.36 min
Lab File: BG032497.D
Acq: 1 Feb 2018 19:44

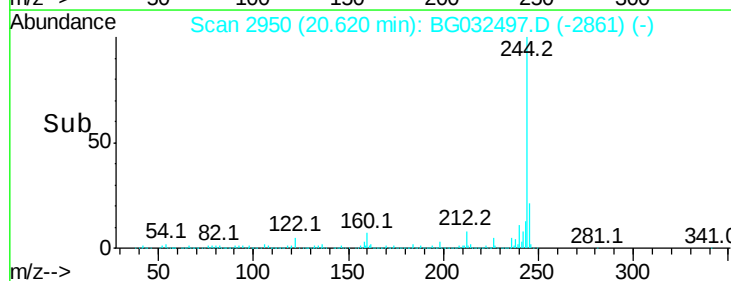
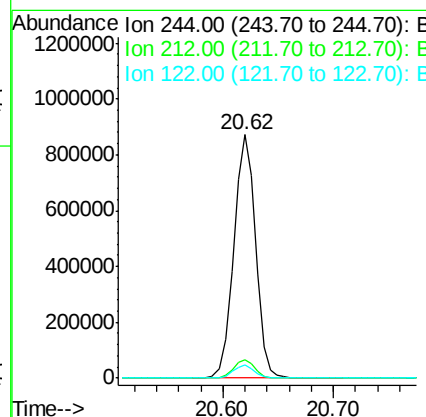
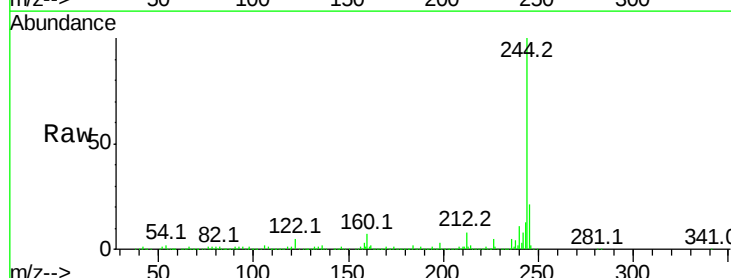
Instrument :
BNA_G
ClientSampleId :

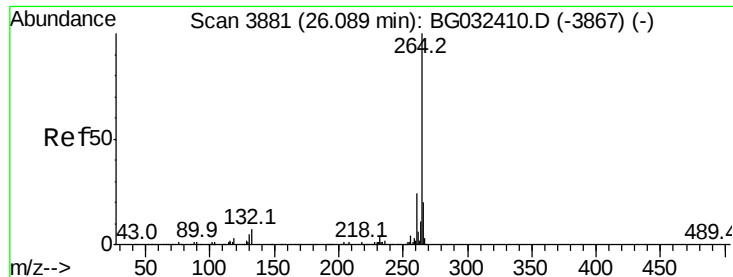
Tot Ion:184 Resp: 17159
Ion Ratio Lower Upper
184 100
185 18.0 11.1 16.7#
183 7.8 10.6 16.0#



#78
Terphenyl-d14
Concen: 96.939 ng
RT: 20.62 min Scan# 2950
Delta R.T. -0.01 min
Lab File: BG032497.D
Acq: 1 Feb 2018 19:44

Tgt Ion:244 Resp: 1201264
Ion Ratio Lower Upper
244 100
212 7.7 5.8 8.8
122 5.4 7.0 10.4#





#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.10 min Scan# 3882
Delta R.T. 0.01 min
Lab File: BG032497.D
Acq: 1 Feb 2018 19:44

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	17.4	26.0
265	20.6	17.7	26.5

