

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020118\
 Data File : BG032492.D
 Acq On : 1 Feb 2018 16:27
 Operator : SJ/JU
 Sample : J1022-13
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 01 17:42:09 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	32689	20.00	ng	-0.01
21) Naphthalene-d8	11.59	136	121378	20.00	ng	0.00
38) Acenaphthene-d10	15.34	164	84963	20.00	ng	-0.01
63) Phenanthrene-d10	18.08	188	222180	20.00	ng	0.00
75) Chrysene-d12	22.41	240	282775	20.00	ng	-0.01
86) Perylene-d12	26.08	264	297075	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.15	112	205133	126.04	ng	0.00
7) Phenol-d6	7.83	99	221323	101.91	ng	0.00
23) Nitrobenzene-d5	9.91	82	174555	89.83	ng	-0.01
41) 2,4,6-Tribromophenol	16.82	330	207542	128.33	ng	-0.01
44) 2-Fluorobiphenyl	13.97	172	631043	88.28	ng	-0.01
78) Terphenyl-d14	20.62	244	1237520	93.74	ng	0.00

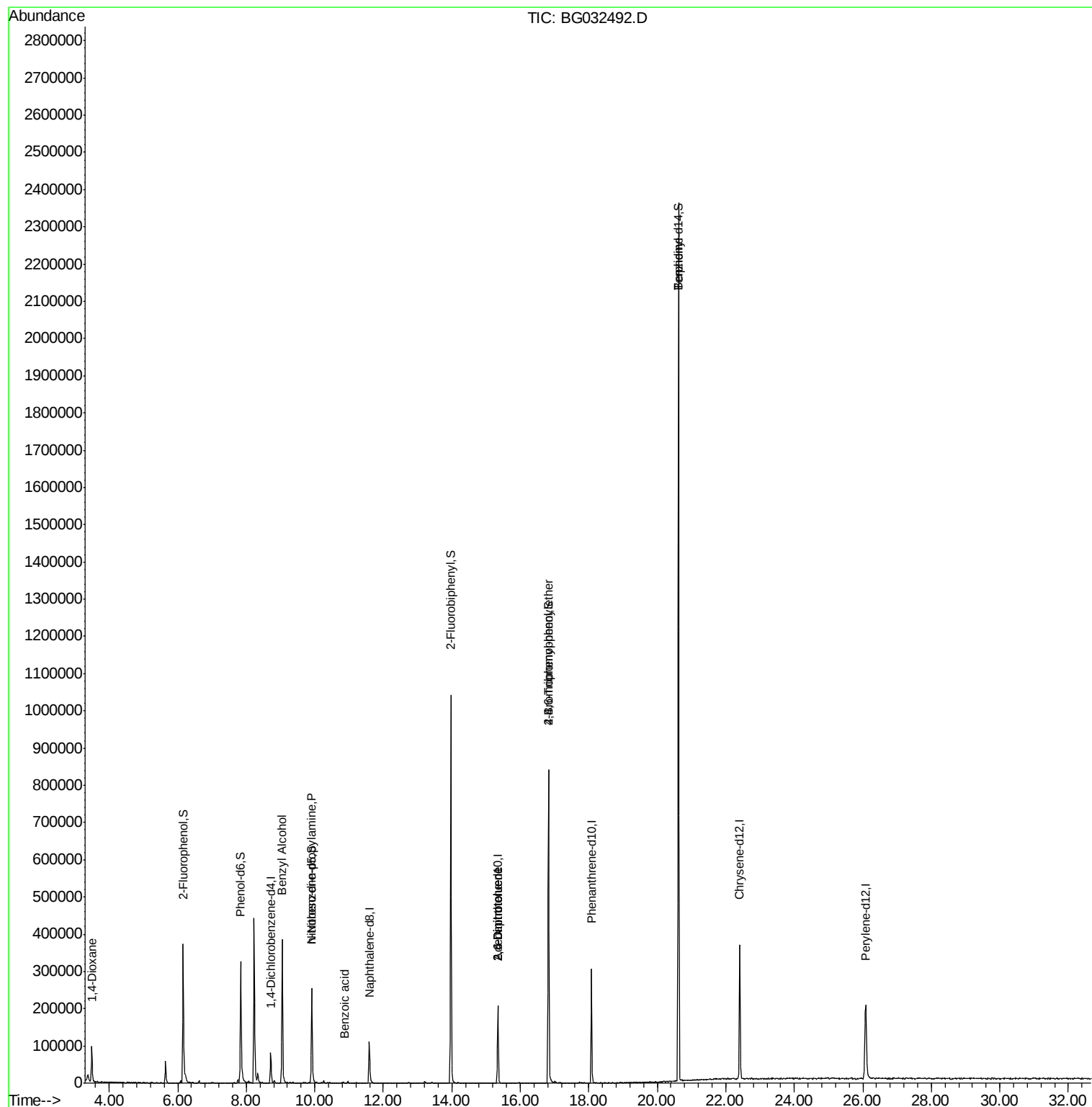
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.50	88	1159	2.117	ng	# 1
15) Benzyl Alcohol	9.04	79	3701	2.068	ng	# 45
19) n-Nitroso-di-n-propylamine	9.91	70	26644	18.503	ng	# 71
32) Benzoic acid	10.86	122	259	7.464	ng	# 21
50) 2,6-Dinitrotoluene	15.34	165	10806	6.572	ng	# 18
56) 2,4-Dinitrotoluene	15.34	165	10806	4.616	ng	# 16
66) 4-Bromophenyl-phenylether	16.82	248	16871	5.126	ng	# 1
76) Benzidine	20.62	184	17665	3.181	ng	# 93

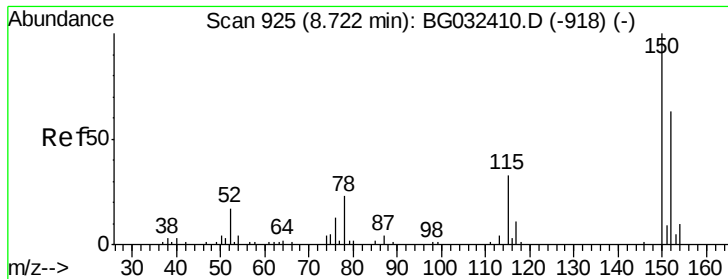
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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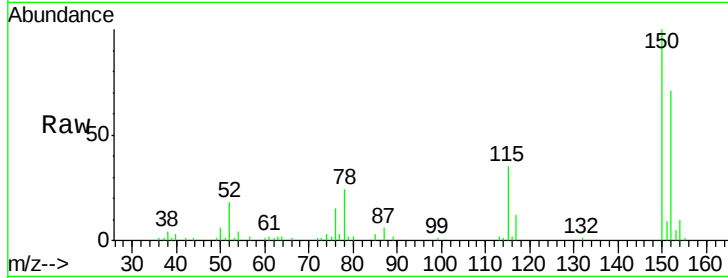


#1

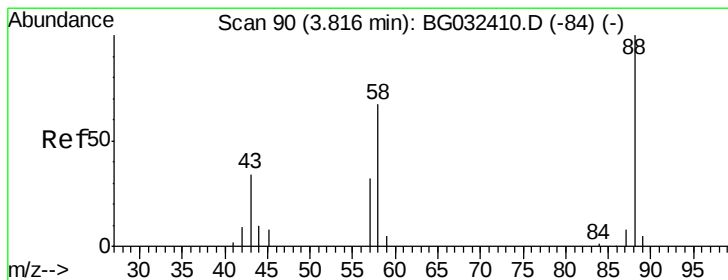
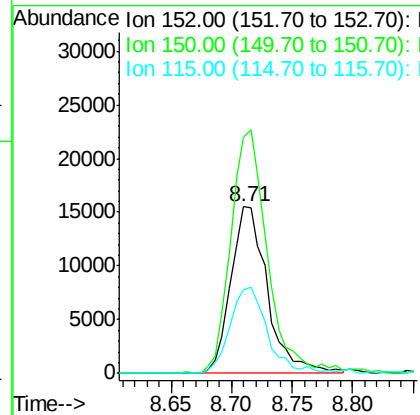
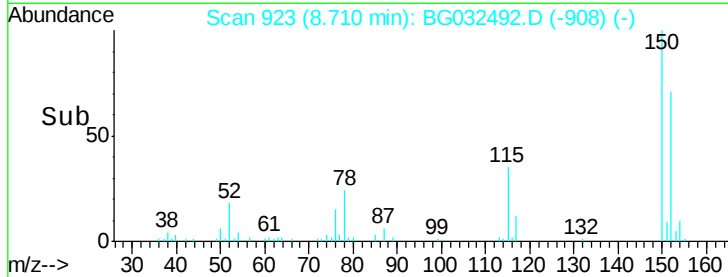
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.71 min Scan# 923
Delta R.T. -0.01 min
Lab File: BG032492.D
Acq: 1 Feb 2018 16:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 32689
Ion Ratio Lower Upper
152 100
150 141.6 126.6 189.8
115 50.2 53.0 79.4#



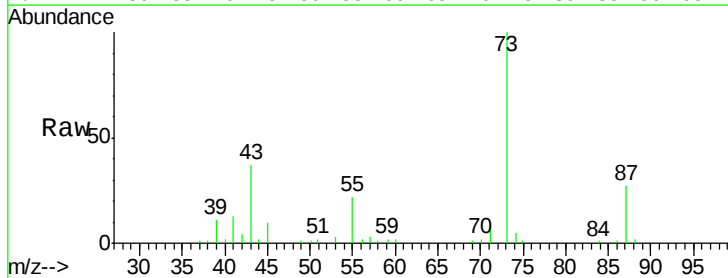
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



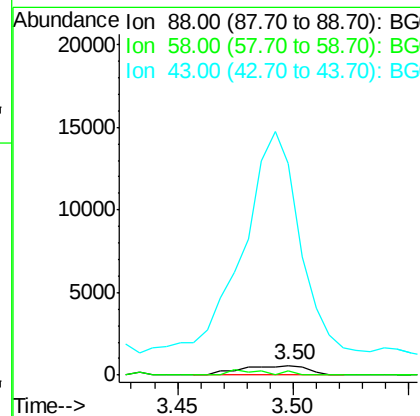
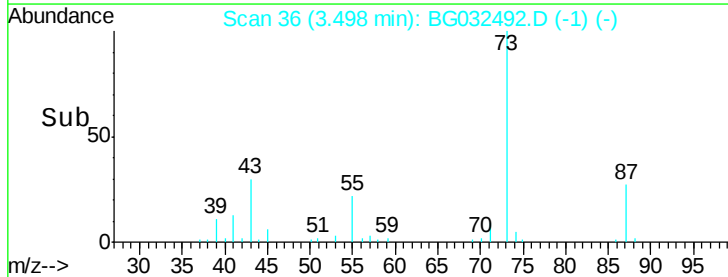
#2

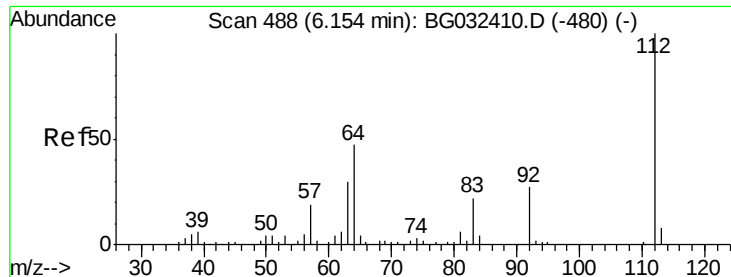
1,4-Dioxane
Concen: 2.117 ng
RT: 3.50 min Scan# 36
Delta R.T. -0.32 min
Lab File: BG032492.D
Acq: 1 Feb 2018 16:27

Tgt Ion: 88 Resp: 1159
Ion Ratio Lower Upper
88 100
58 0.0 79.6 119.4#
43 1945.6 27.4 41.0#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 126.043 ng

RT: 6.15 min Scan# 488

Delta R.T. -0.00 min

Lab File: BG032492.D

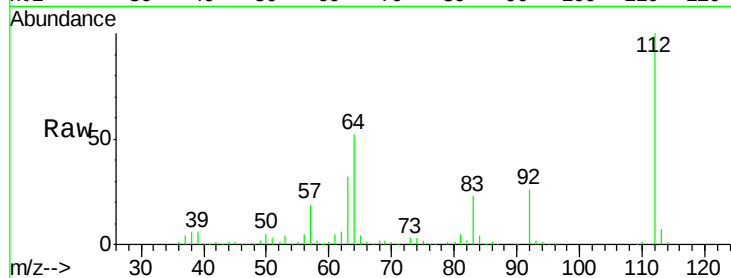
Acq: 1 Feb 2018 16:27

Instrument :

BNA_G

ClientSampleId :

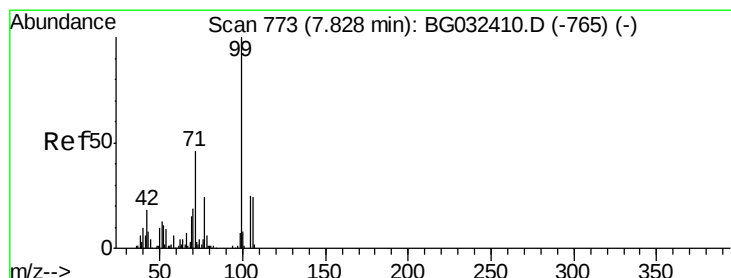
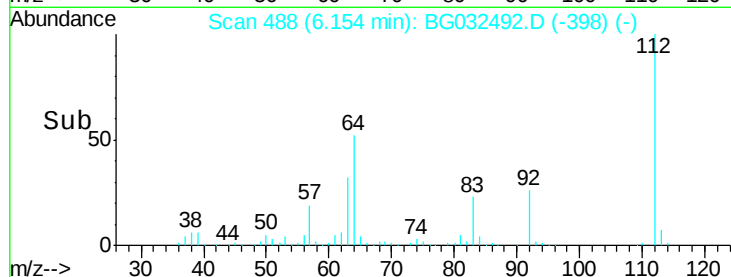
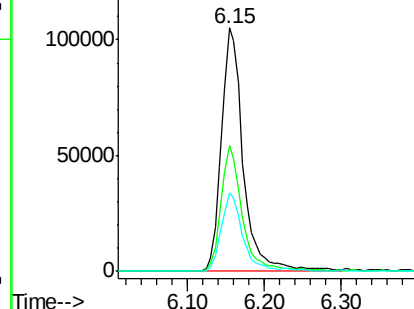
Tot Ion:	112	Resp:	205133
Ion	Ratio	Lower	Upper
112	100		
64	51.9	56.3	84.5#
63	32.0	30.1	45.1



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: 101.910 ng

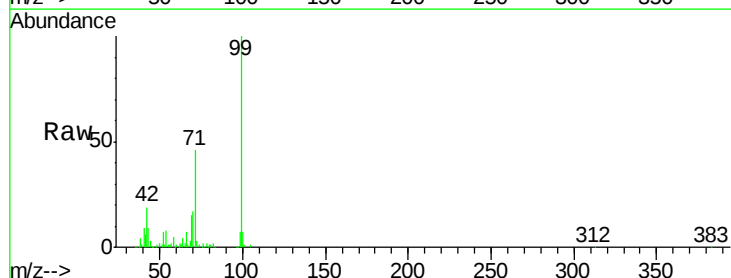
RT: 7.83 min Scan# 774

Delta R.T. 0.01 min

Lab File: BG032492.D

Acq: 1 Feb 2018 16:27

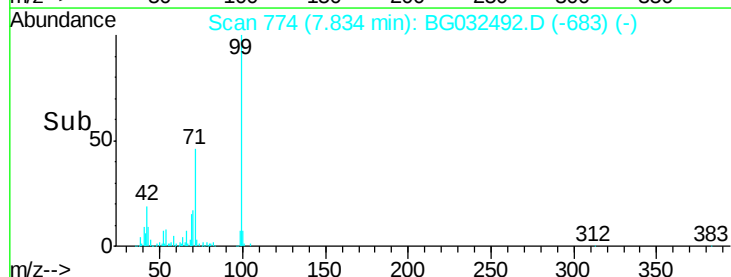
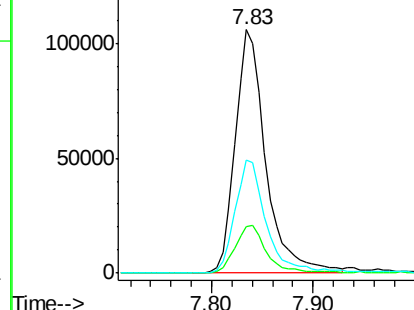
Tgt Ion:	99	Resp:	221323
Ion	Ratio	Lower	Upper
99	100		
42	18.9	14.1	21.1
71	46.4	26.1	39.1#

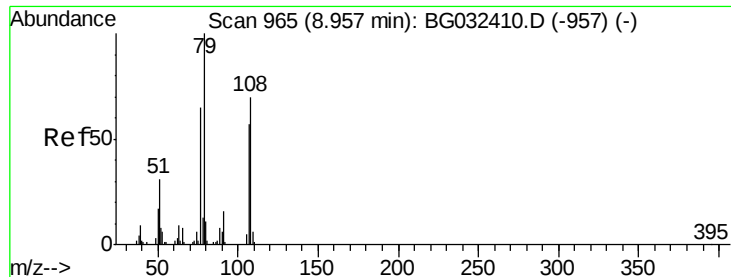


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.068 ng

RT: 9.04 min Scan# 980

Delta R.T. 0.09 min

Lab File: BG032492.D

Acq: 1 Feb 2018 16:27

Instrument :

BNA_G

ClientSampled :

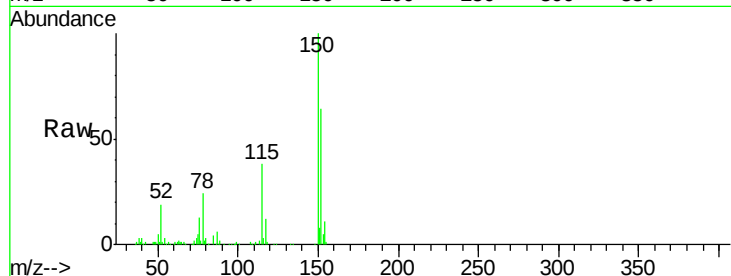
Tot Ion: 79 Resp: 3701

Ion Ratio Lower Upper

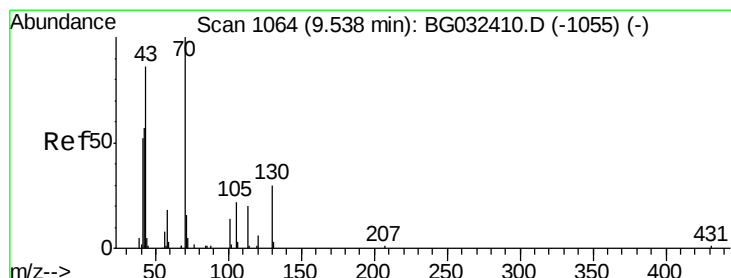
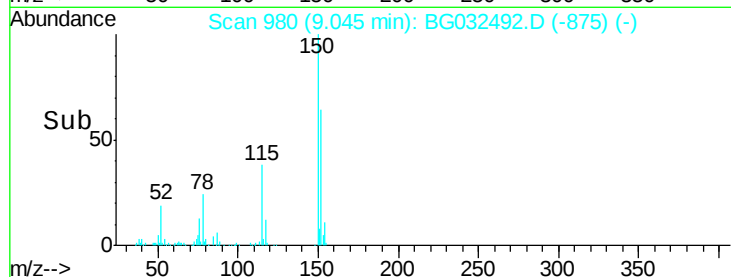
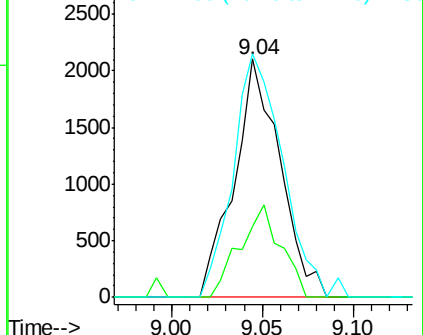
79 100

108 29.7 57.2 85.8#

77 102.2 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: 18.503 ng

RT: 9.91 min Scan# 1128

Delta R.T. 0.38 min

Lab File: BG032492.D

Acq: 1 Feb 2018 16:27

Tgt Ion: 70 Resp: 26644

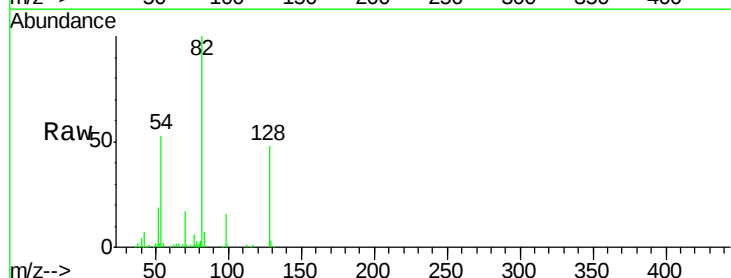
Ion Ratio Lower Upper

70 100

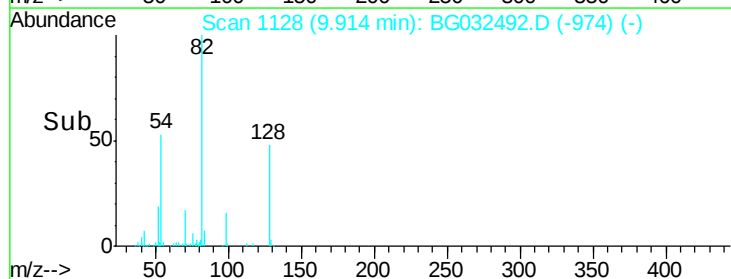
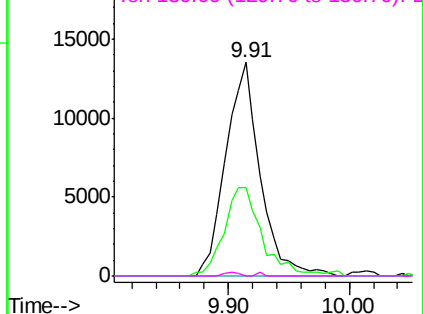
42 41.5 49.1 73.7#

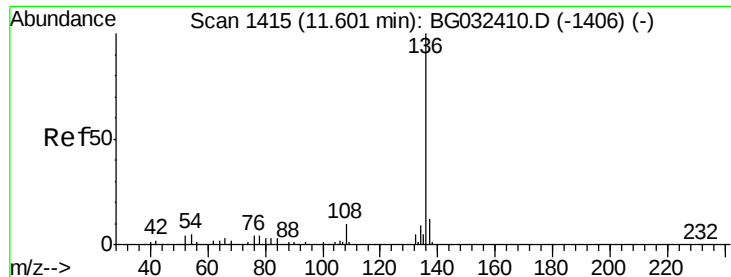
101 0.0 8.5 12.7#

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

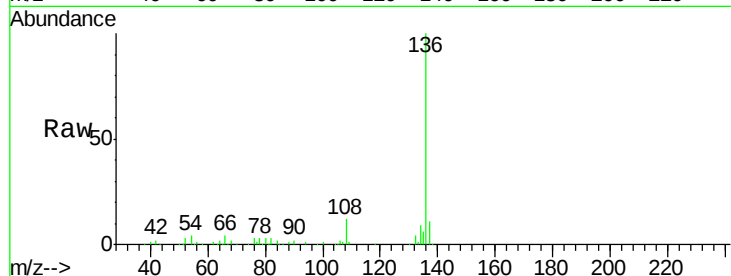




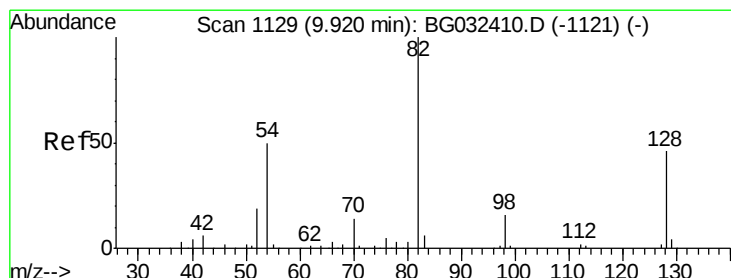
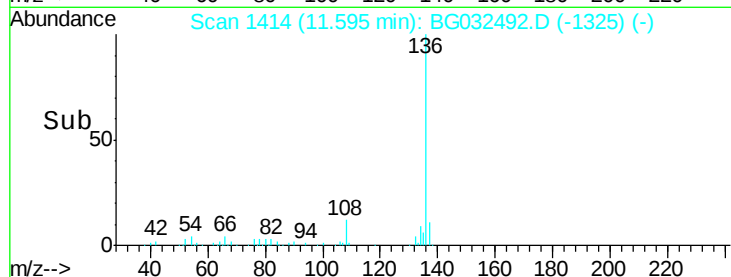
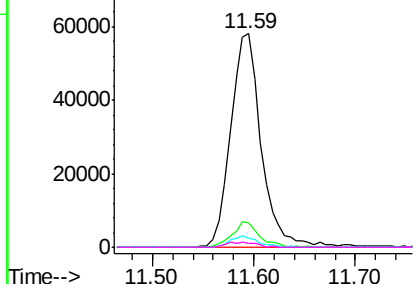
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.59 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BG032492.D
Acq: 1 Feb 2018 16:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	121378
Ion Ratio	Lower	Upper
136	100	
137	11.4	9.2 13.8
54	4.0	10.3 15.5#
68	1.9	4.5 6.7#

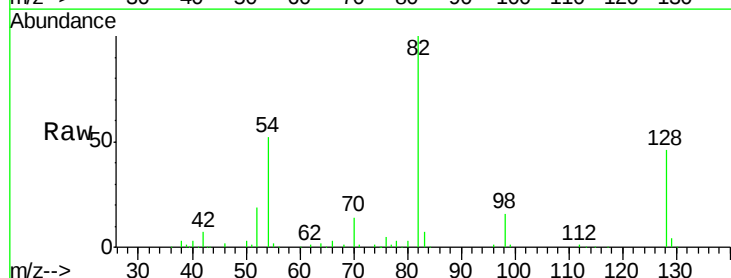


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

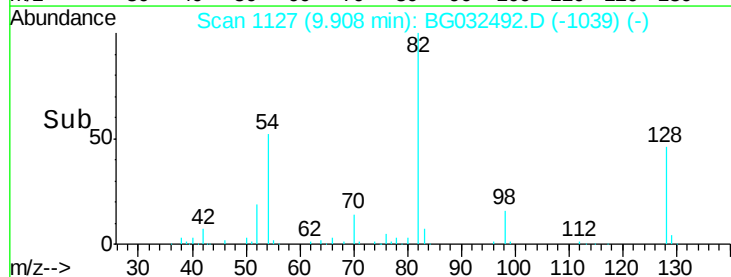
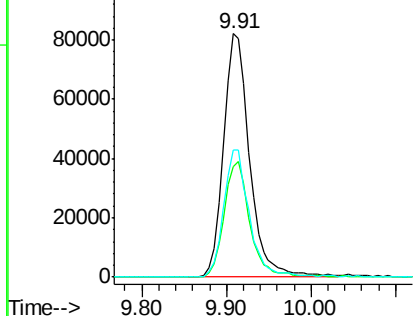


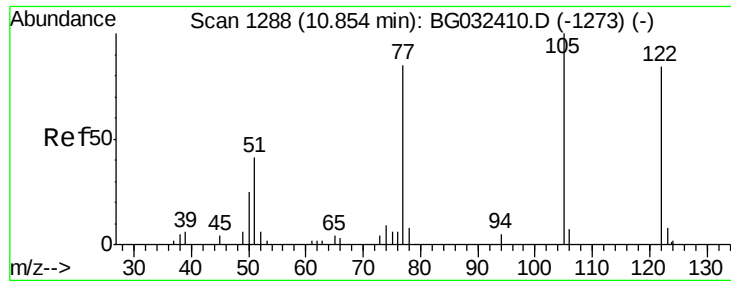
#23
Nitrobenzene-d5
Concen: 89.825 ng
RT: 9.91 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BG032492.D
Acq: 1 Feb 2018 16:27

Tgt Ion: 82	Resp:	174555
Ion Ratio	Lower	Upper
82	100	
128	45.6	29.7 44.5#
54	52.4	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: 7.464 ng

RT: 10.86 min Scan# 1289

Delta R.T. 0.01 min

Lab File: BG032492.D

Acq: 1 Feb 2018 16:27

Instrument :

BNA_G

ClientSampleId :

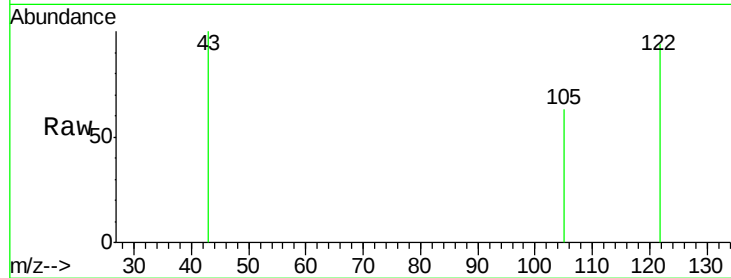
Tot Ion:122 Resp: 259

Ion Ratio Lower Upper

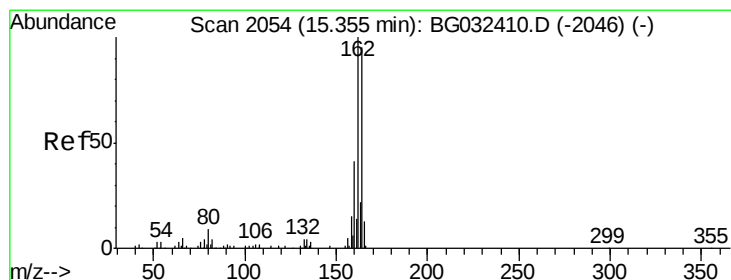
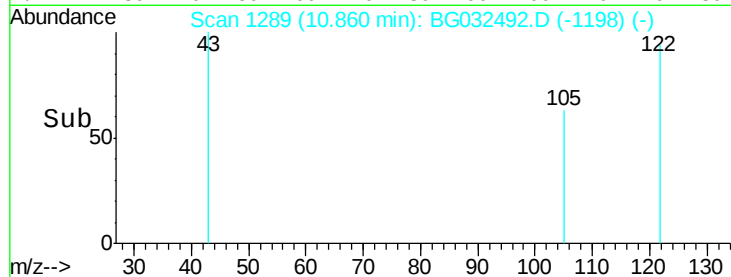
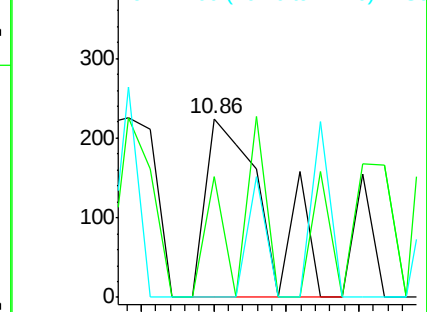
122 100

105 67.4 123.5 163.5#

77 0.0 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: 15.34 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BG032492.D

Acq: 1 Feb 2018 16:27

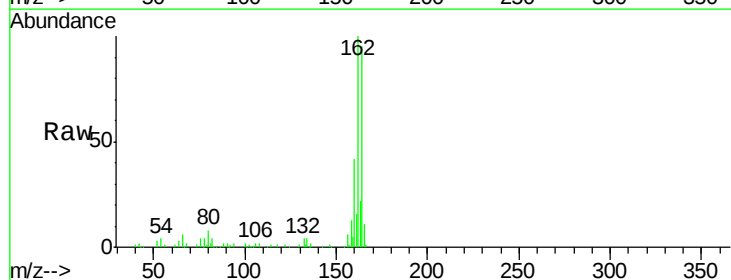
Tgt Ion:164 Resp: 84963

Ion Ratio Lower Upper

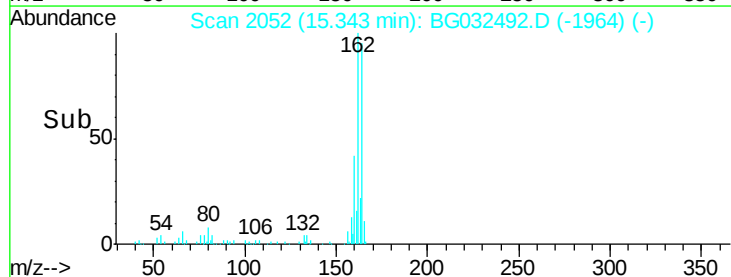
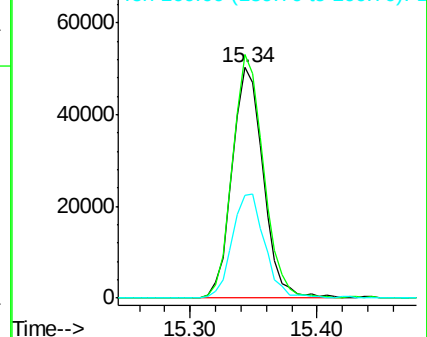
164 100

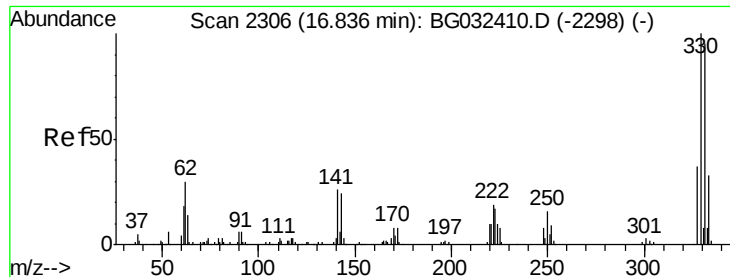
162 105.7 78.8 118.2

160 44.5 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

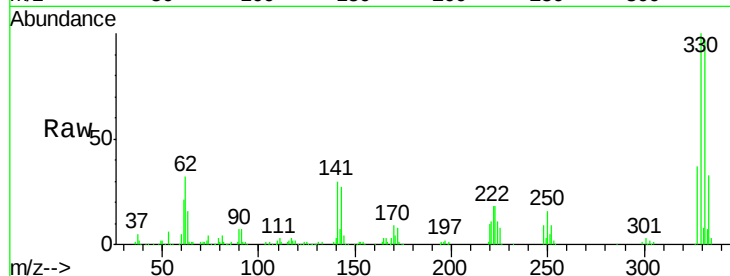




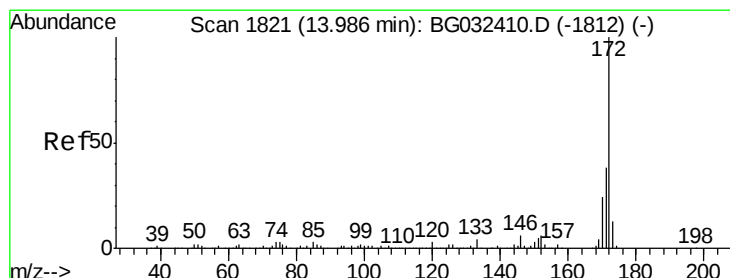
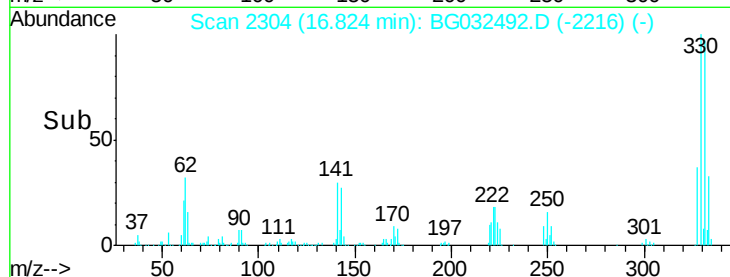
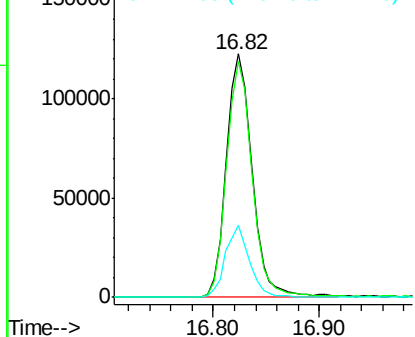
#41
 2,4,6-Tribromophenol
 Concen: 128.328 ng
 RT: 16.82 min Scan# 2304
 Delta R.T. -0.01 min
 Lab File: BG032492.D
 Acq: 1 Feb 2018 16:27

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	27.8	25.2	37.8

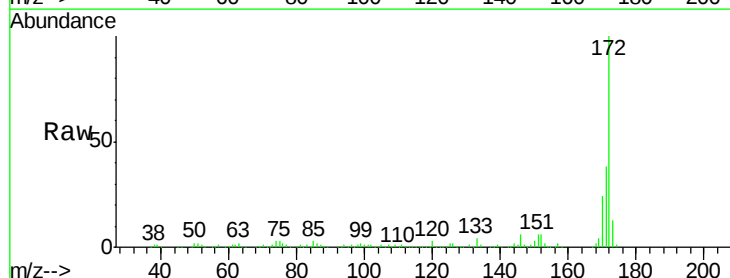


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

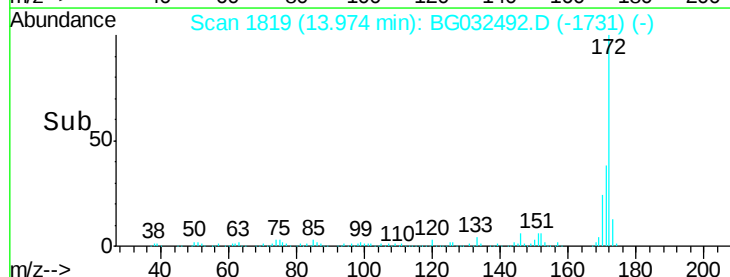
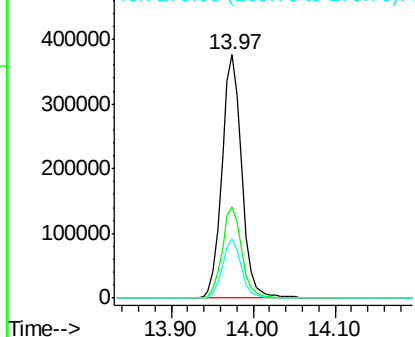


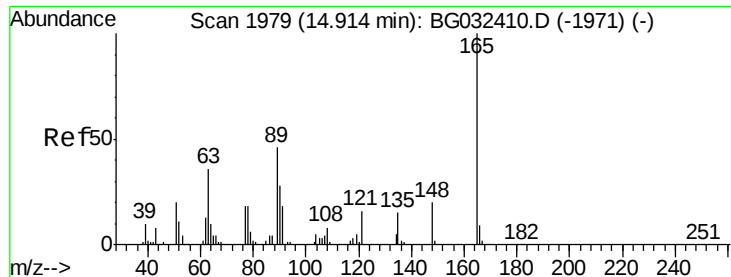
#44
 2-Fluorobiphenyl
 Concen: 88.278 ng
 RT: 13.97 min Scan# 1819
 Delta R.T. -0.01 min
 Lab File: BG032492.D
 Acq: 1 Feb 2018 16:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.5	30.0	45.0
170	24.1	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

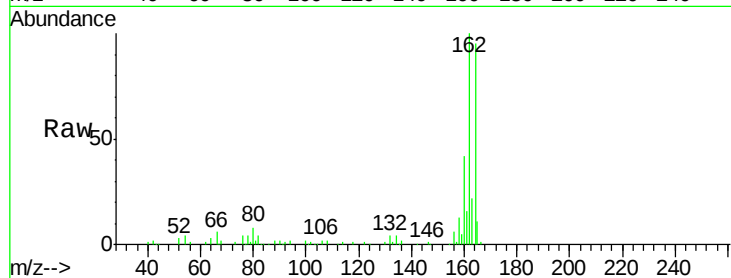




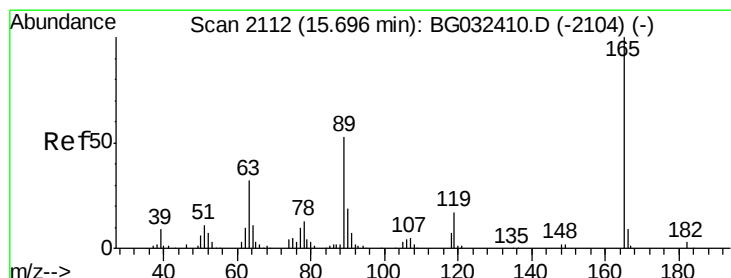
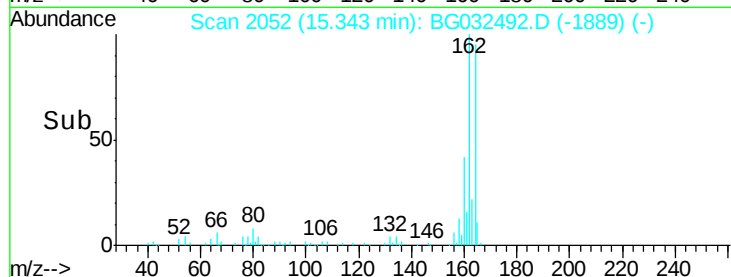
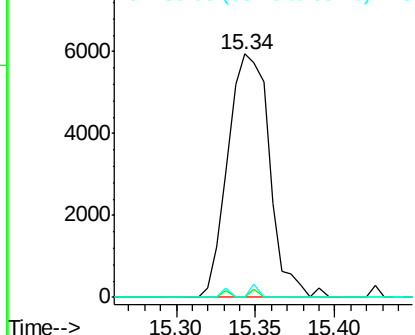
#50
 2,6-Dinitrotoluene
 Concen: 6.572 ng
 RT: 15.34 min Scan# 2052
 Delta R.T. 0.43 min
 Lab File: BG032492.D
 Acq: 1 Feb 2018 16:27

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 10806
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#

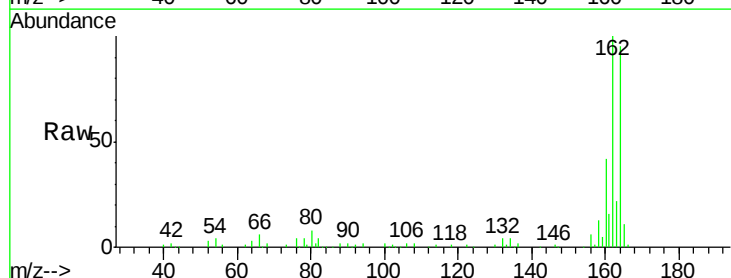


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

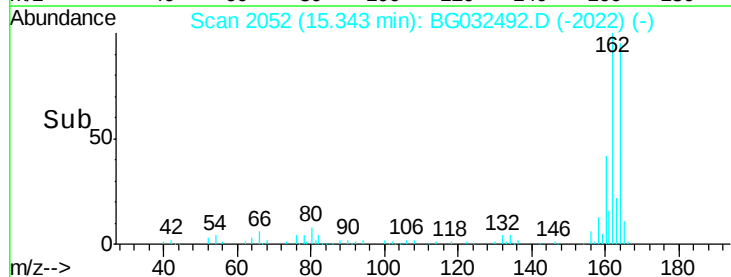
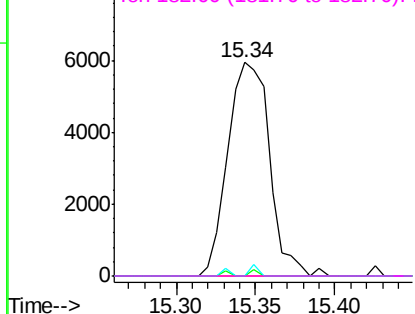


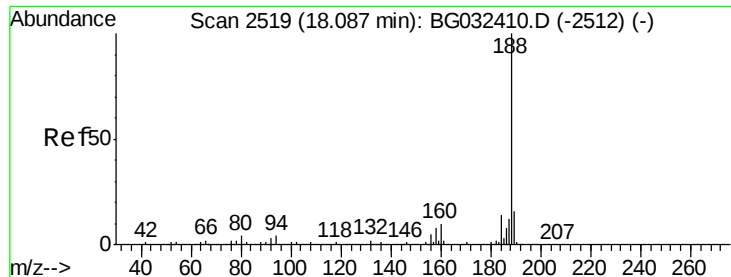
#56
 2,4-Dinitrotoluene
 Concen: 4.616 ng
 RT: 15.34 min Scan# 2052
 Delta R.T. -0.35 min
 Lab File: BG032492.D
 Acq: 1 Feb 2018 16:27

Tgt Ion:165 Resp: 10806
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.08 min Scan# 2518

Delta R.T. -0.01 min

Lab File: BG032492.D

Acq: 1 Feb 2018 16:27

Instrument :

BNA_G

ClientSampleId :

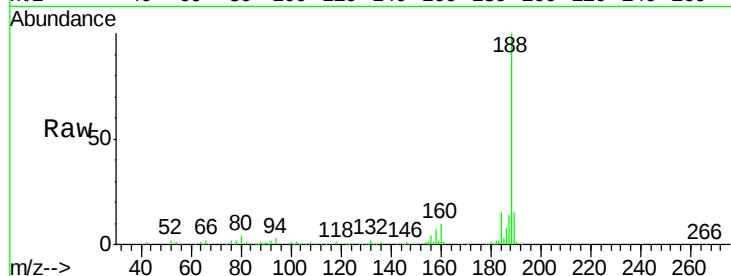
Tot Ion:188 Resp: 222180

Ion Ratio Lower Upper

188 100

94 3.2 6.9 10.3#

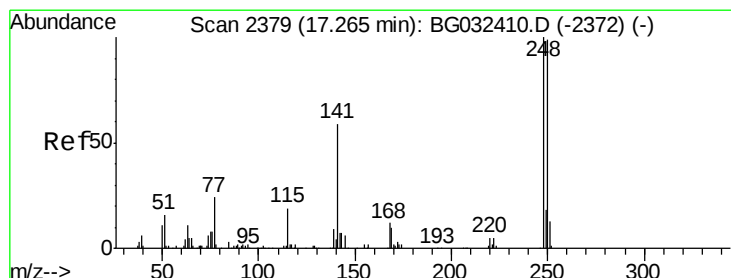
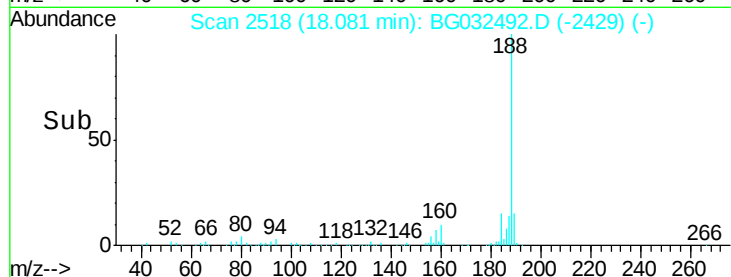
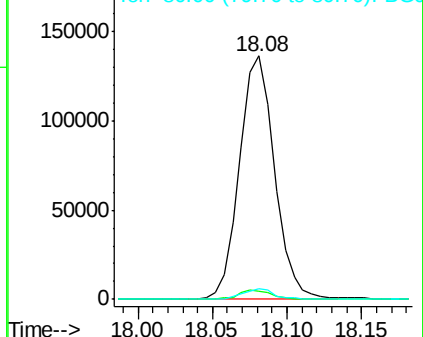
80 4.2 7.7 11.5#



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: 5.126 ng

RT: 16.82 min Scan# 2304

Delta R.T. -0.44 min

Lab File: BG032492.D

Acq: 1 Feb 2018 16:27

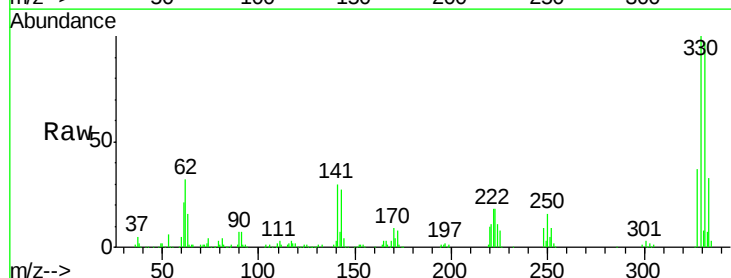
Tgt Ion:248 Resp: 16871

Ion Ratio Lower Upper

248 100

250 180.3 77.1 115.7#

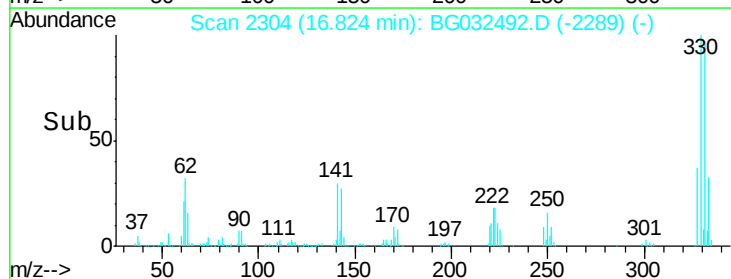
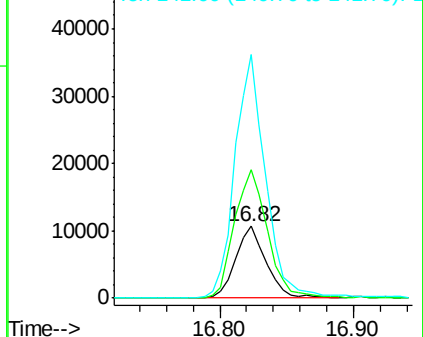
141 340.3 50.8 76.2#

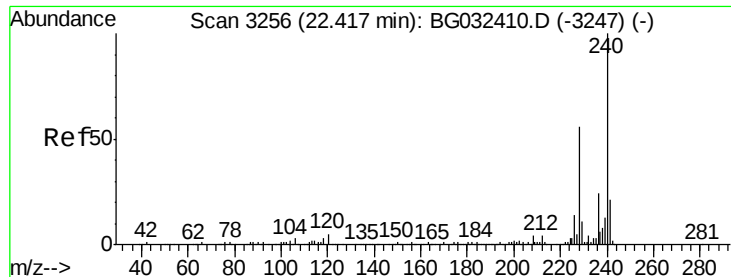


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3254

Delta R.T. -0.01 min

Lab File: BG032492.D

Acq: 1 Feb 2018 16:27

Instrument :

BNA_G

ClientSampleId :

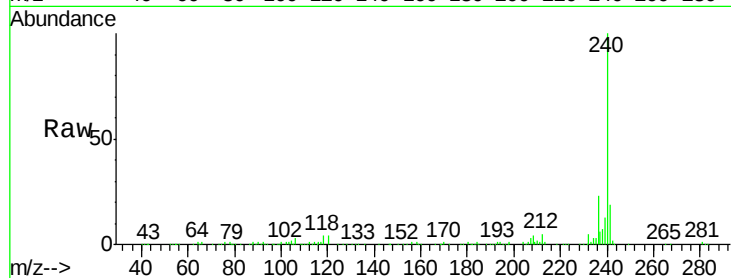
Tot Ion:240 Resp: 282775

Ion Ratio Lower Upper

240 100

120 4.3 6.8 10.2#

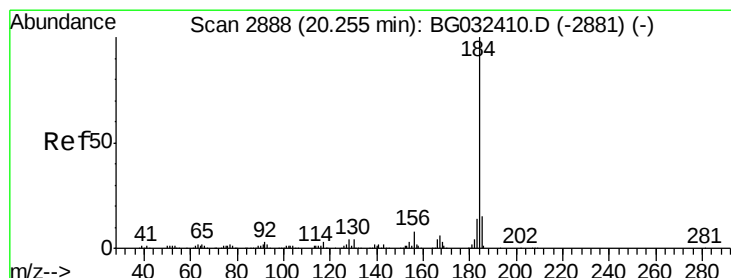
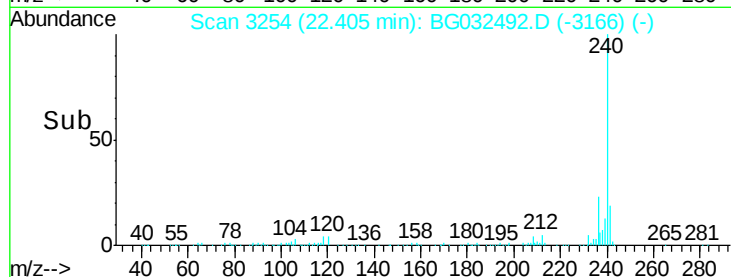
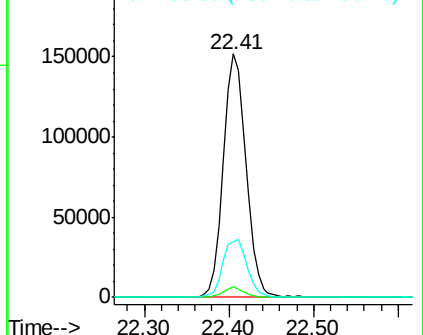
236 22.7 20.9 31.3



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: 3.181 ng

RT: 20.62 min Scan# 2950

Delta R.T. 0.36 min

Lab File: BG032492.D

Acq: 1 Feb 2018 16:27

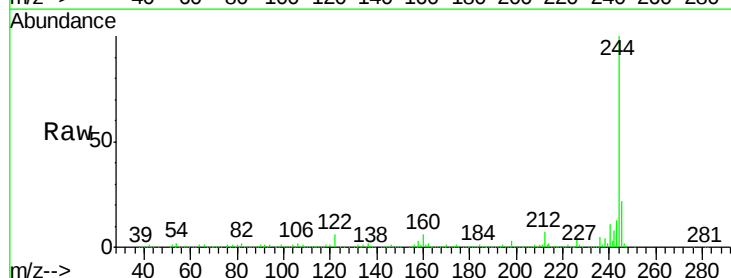
Tgt Ion:184 Resp: 17665

Ion Ratio Lower Upper

184 100

185 17.2 11.1 16.7#

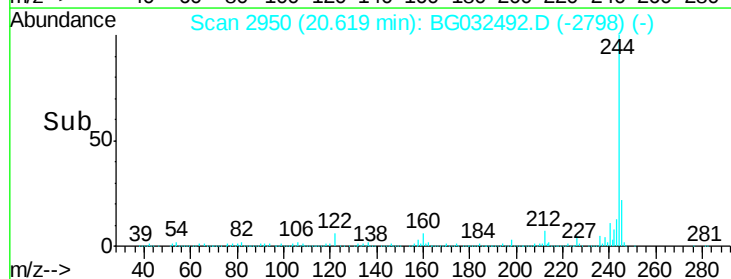
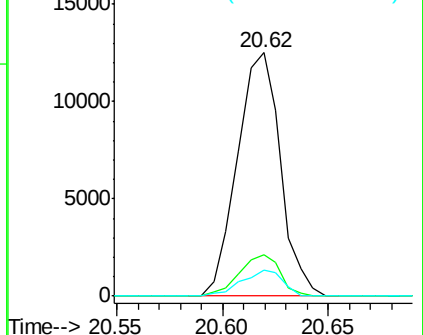
183 10.7 10.6 16.0

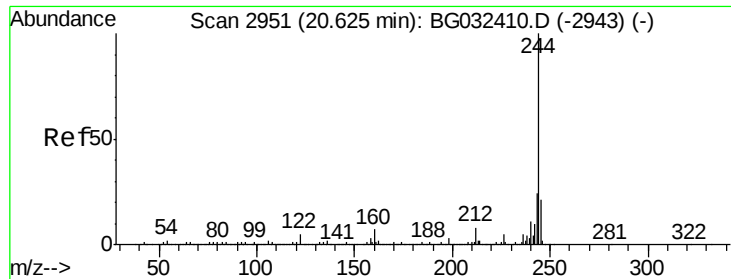


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 93.745 ng

RT: 20.62 min Scan# 2950

Delta R.T. -0.01 min

Lab File: BG032492.D

Acq: 1 Feb 2018 16:27

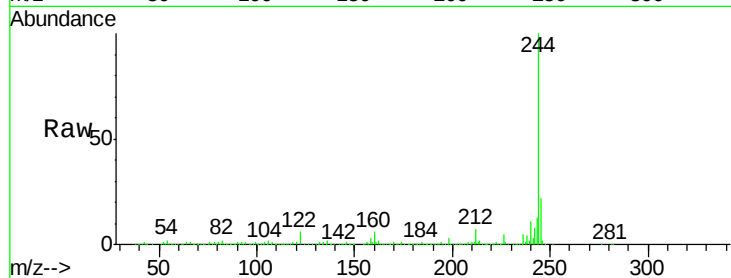
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1237520

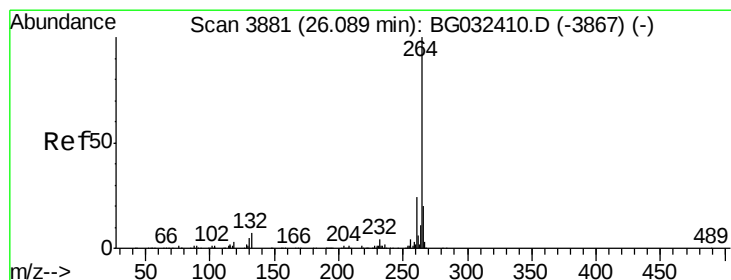
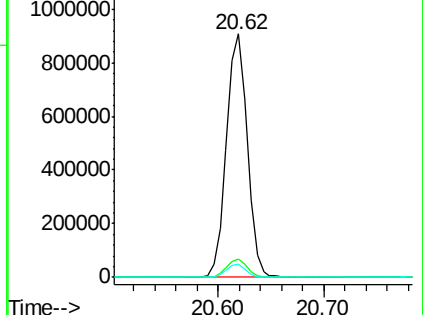
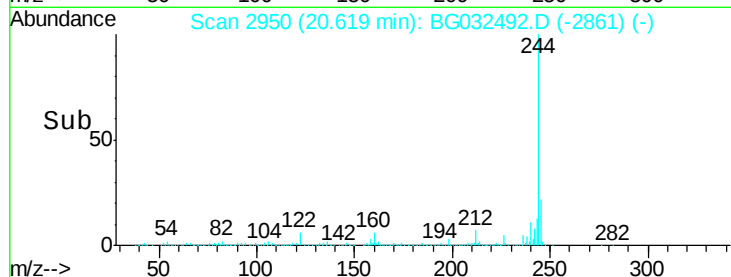
Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.8
122	5.6	7.0	10.4



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: 26.08 min Scan# 3880

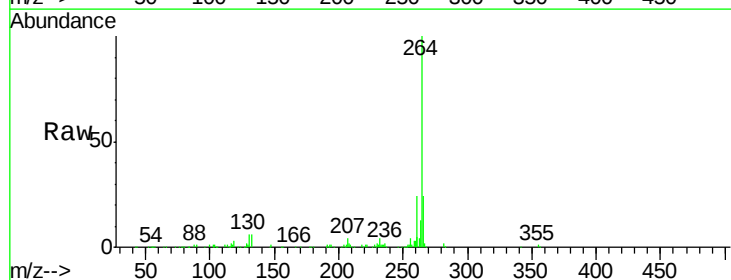
Delta R.T. -0.01 min

Lab File: BG032492.D

Acq: 1 Feb 2018 16:27

Tgt Ion:264 Resp: 297075

Ion	Ratio	Lower	Upper
264	100		
260	24.0	17.4	26.0
265	23.8	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

