

Data Path : U:\HPCHEM1\BNA G\DATA\BG020218\
 Data File : BG032521.D
 Acq On : 2 Feb 2018 20:46
 Operator : SJ/JU
 Sample : PB106274TB
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 02 21:54:30 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

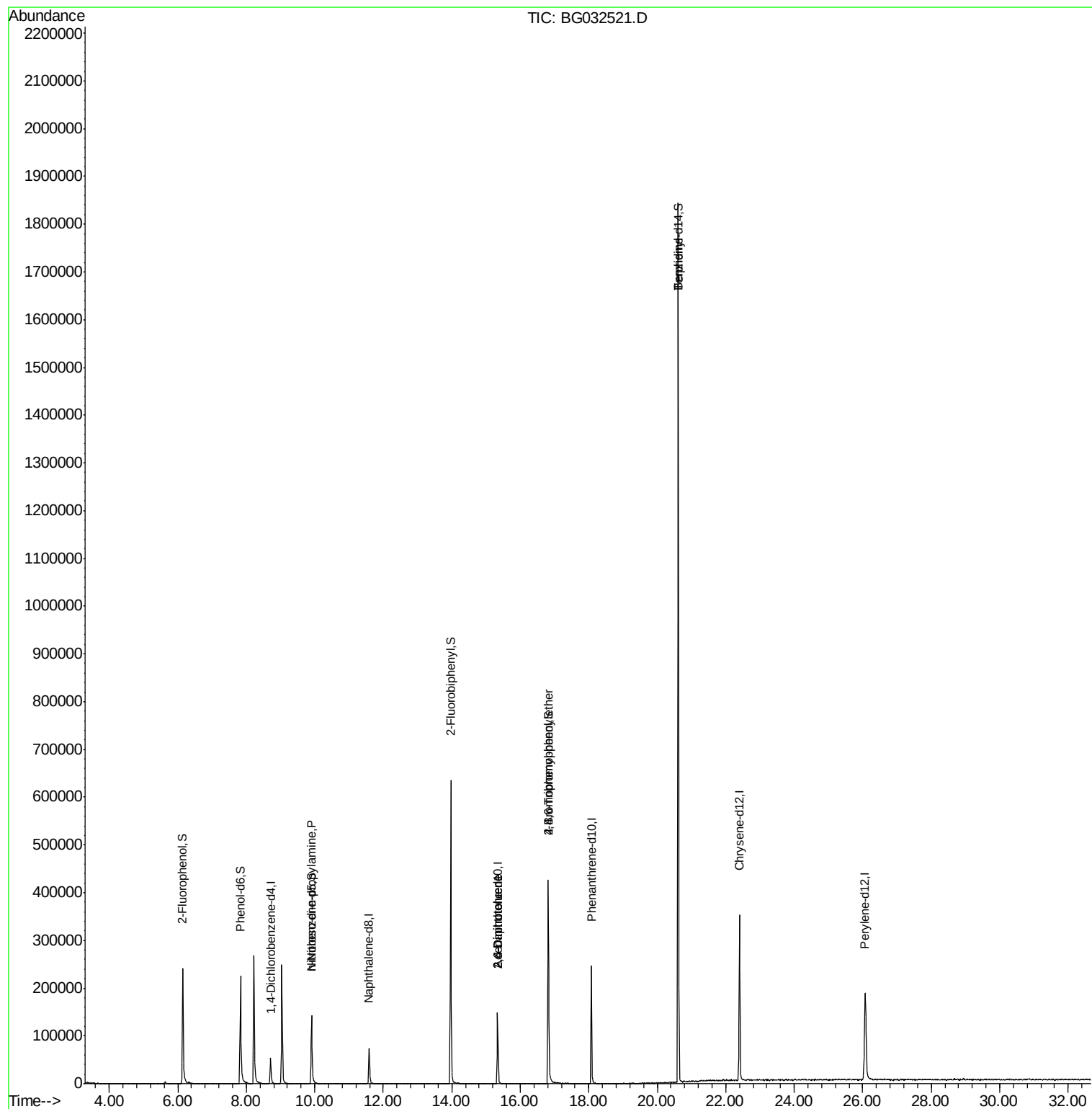
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.71	152	22235	20.00	ng	0.00
21) Naphthalene-d8	11.59	136	83325	20.00	ng	0.00
38) Acenaphthene-d10	15.34	164	61108	20.00	ng	-0.02
63) Phenanthrene-d10	18.08	188	187093	20.00	ng	0.00
75) Chrysene-d12	22.40	240	270664	20.00	ng	-0.02
86) Perylene-d12	26.07	264	286867	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.14	112	139913	126.39	ng	0.00
7) Phenol-d6	7.83	99	165146	111.80	ng	0.00
23) Nitrobenzene-d5	9.90	82	101286	75.92	ng	-0.02
41) 2,4,6-Tribromophenol	16.82	330	115078	98.93	ng	-0.02
44) 2-Fluorobiphenyl	13.97	172	403989	78.58	ng	-0.02
78) Terphenyl-d14	20.62	244	1012575	80.14	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.90	70	15047	15.363	ng	# 72
50) 2,6-Dinitrotoluene	15.35	165	7809	6.603	ng	# 18
56) 2,4-Dinitrotoluene	15.35	165	7809	4.638	ng	# 16
66) 4-Bromophenyl-phenylether	16.81	248	9793	3.533	ng	# 1
76) Benzidine	20.62	184	14952	2.813	ng	# 88

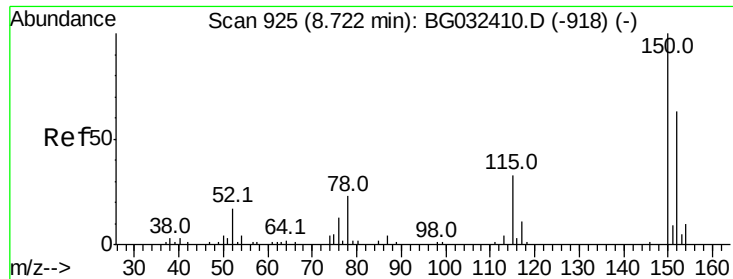
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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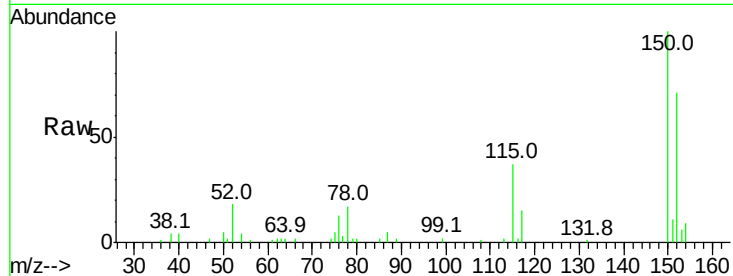


#1

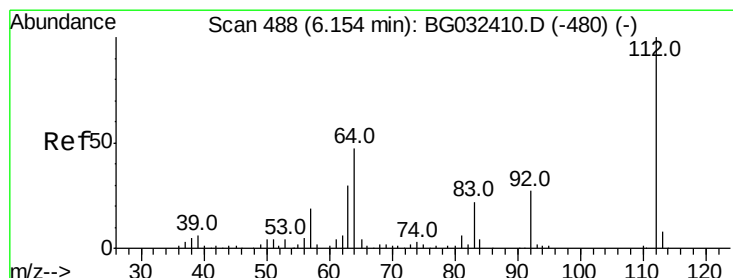
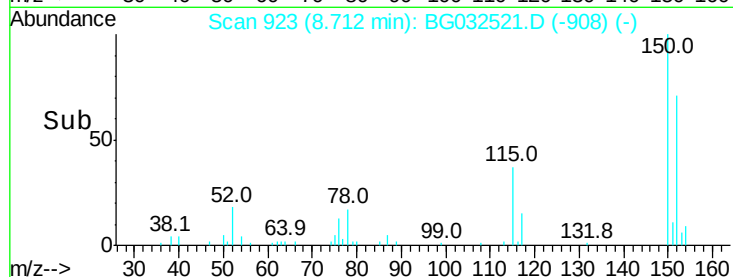
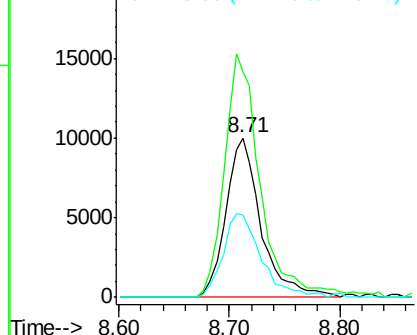
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.71 min Scan# 923
Delta R.T. -0.01 min
Lab File: BG032521.D
Acq: 2 Feb 2018 20:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 22235
Ion Ratio Lower Upper
152 100
150 141.7 126.6 189.8
115 51.9 53.0 79.4#



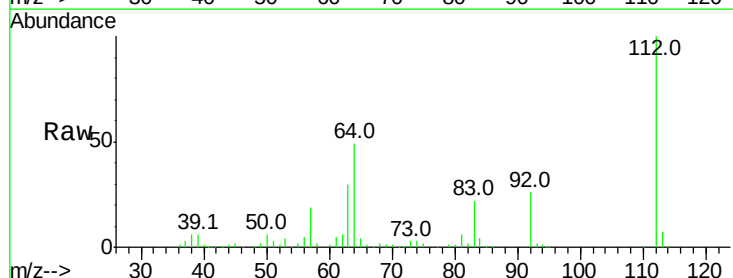
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



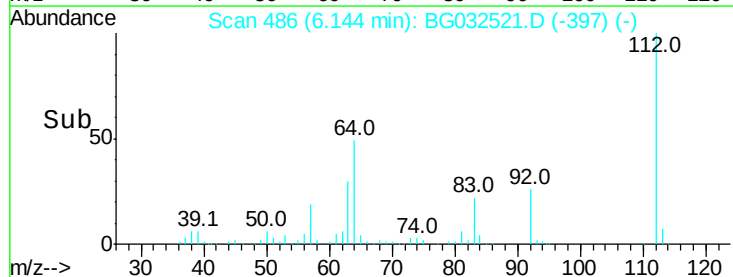
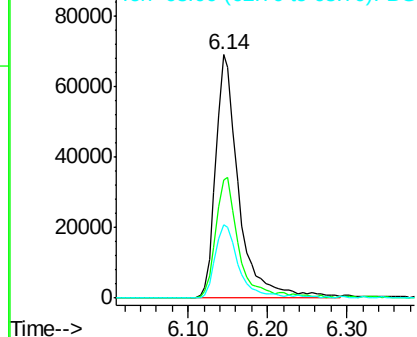
#5

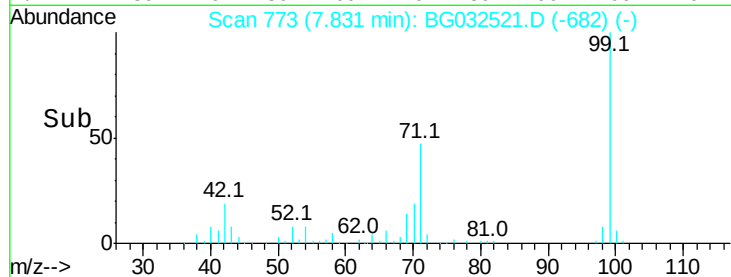
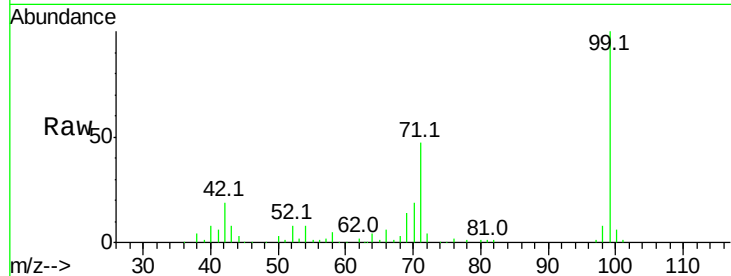
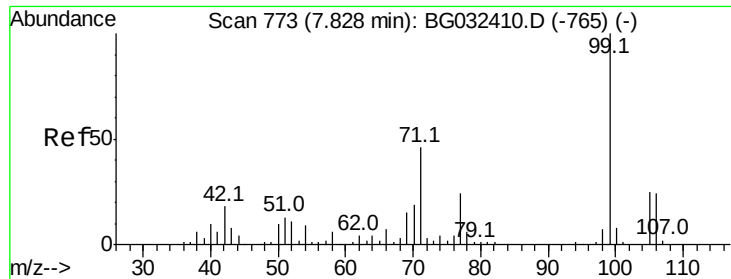
2-Fluorophenol
Concen: 126.388 ng
RT: 6.14 min Scan# 486
Delta R.T. -0.01 min
Lab File: BG032521.D
Acq: 2 Feb 2018 20:46

Tgt Ion:112 Resp: 139913
Ion Ratio Lower Upper
112 100
64 48.6 56.3 84.5#
63 30.4 30.1 45.1



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





#7

Phenol-d6

Concen: 111.795 ng

RT: 7.83 min Scan# 773

Delta R.T. 0.00 min

Lab File: BG032521.D

Acq: 2 Feb 2018 20:46

Instrument :

BNA_G

ClientSampleId :

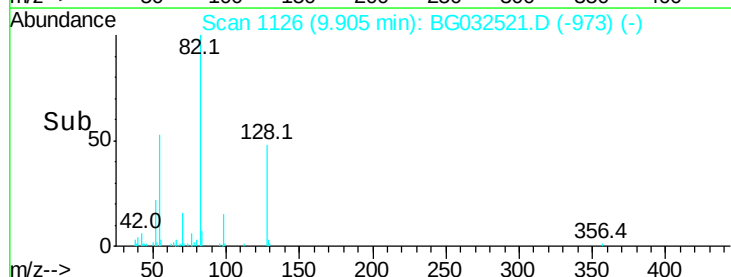
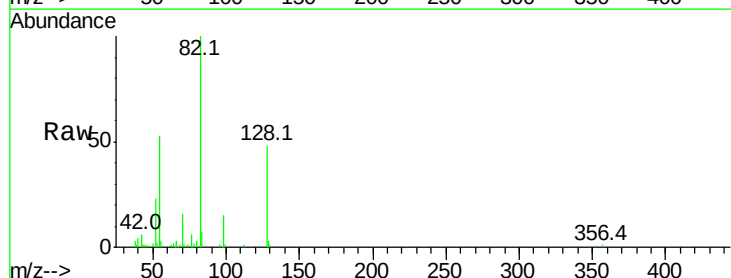
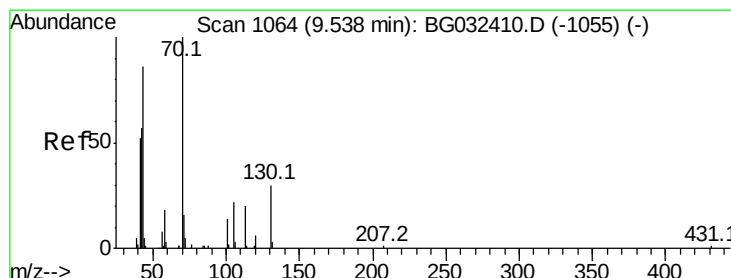
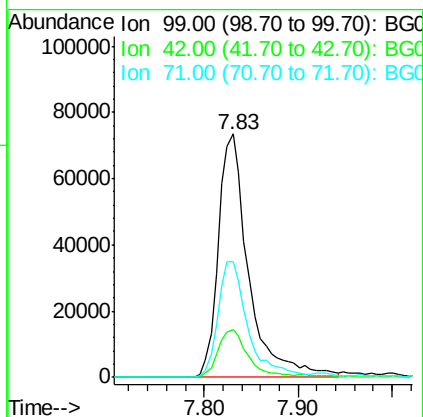
Tot Ion: 99 Resp: 165146

Ion Ratio Lower Upper

99 100

42 19.5 14.1 21.1

71 47.4 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 15.363 ng

RT: 9.90 min Scan# 1126

Delta R.T. 0.37 min

Lab File: BG032521.D

Acq: 2 Feb 2018 20:46

Tgt Ion: 70 Resp: 15047

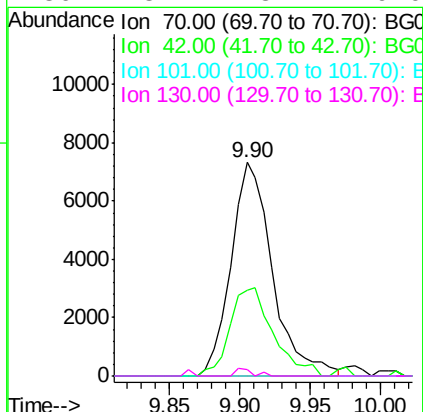
Ion Ratio Lower Upper

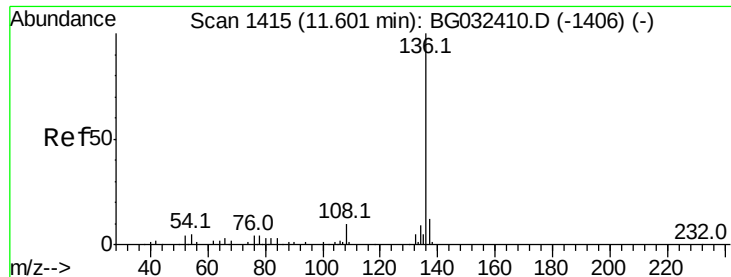
70 100

42 40.2 49.1 73.7#

101 0.0 8.5 12.7#

130 3.2 13.4 20.0#

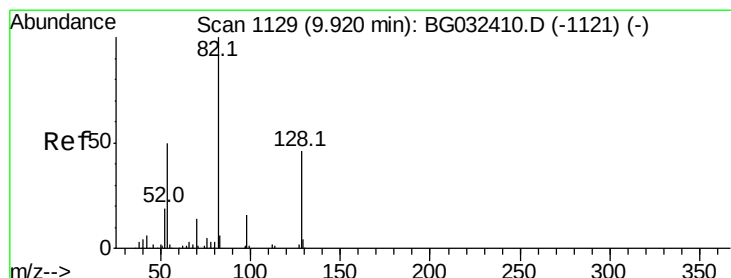
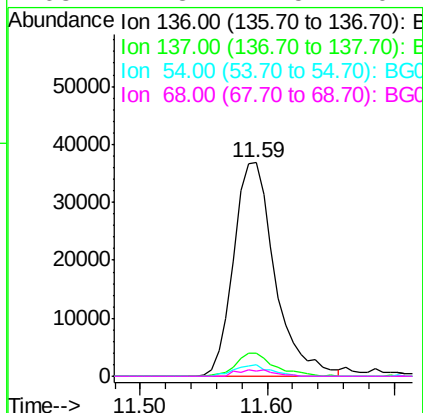
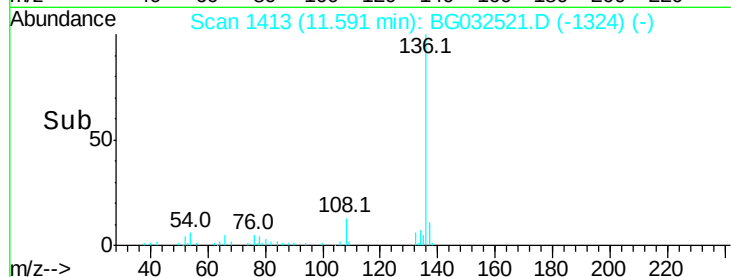
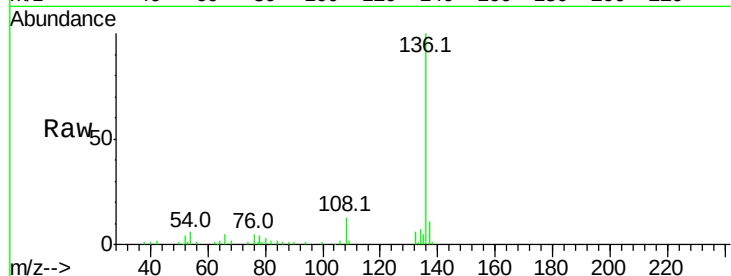




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.59 min Scan# 1413
Delta R.T. -0.01 min
Lab File: BG032521.D
Acq: 2 Feb 2018 20:46

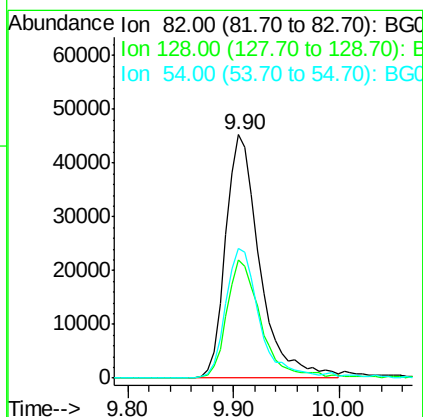
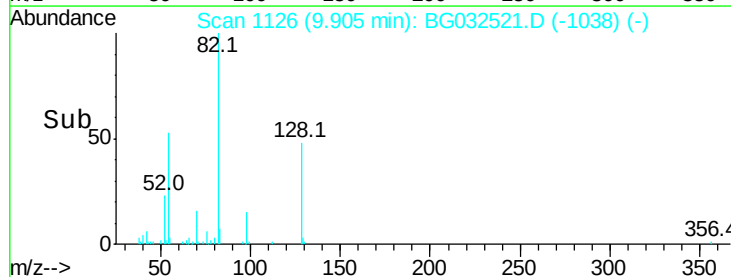
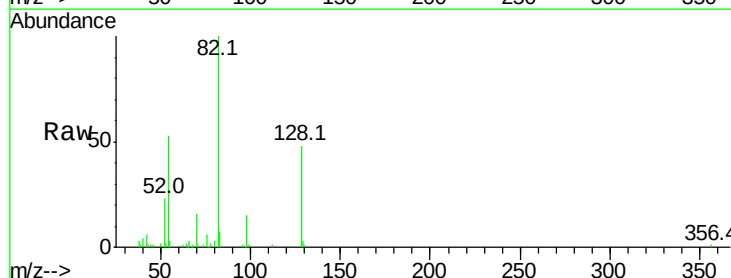
Instrument :
BNA_G
ClientSampleId :

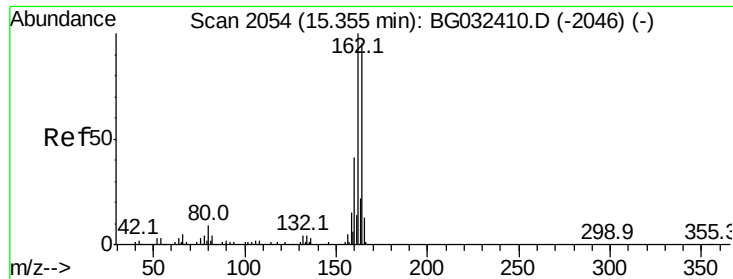
Tot Ion:136 Resp: 83325
Ion Ratio Lower Upper
136 100
137 10.6 9.2 13.8
54 5.6 10.3 15.5#
68 2.3 4.5 6.7#



#23
Nitrobenzene-d5
Concen: 75.924 ng
RT: 9.90 min Scan# 1126
Delta R.T. -0.02 min
Lab File: BG032521.D
Acq: 2 Feb 2018 20:46

Tgt Ion: 82 Resp: 101286
Ion Ratio Lower Upper
82 100
128 48.4 29.7 44.5#
54 53.1 43.1 64.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.34 min Scan# 2051

Delta R.T. -0.02 min

Lab File: BG032521.D

Acq: 2 Feb 2018 20:46

Instrument :

BNA_G

ClientSampleId :

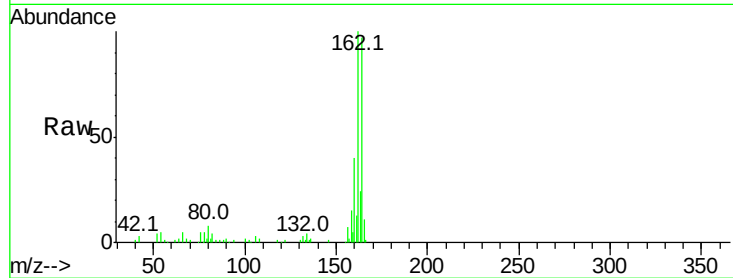
Tot Ion:164 Resp: 61108

Ion	Ratio	Lower	Upper
164	100		
162	102.6	78.8	118.2
160	41.2	35.4	53.0

164 100

162 102.6 78.8 118.2

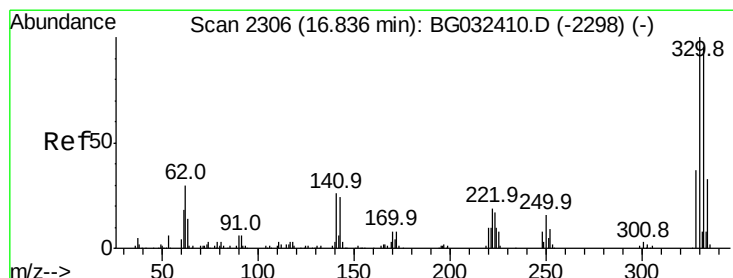
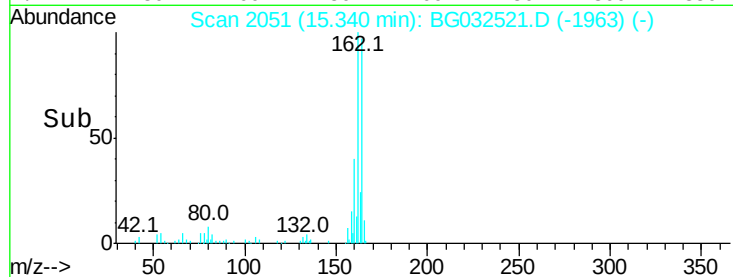
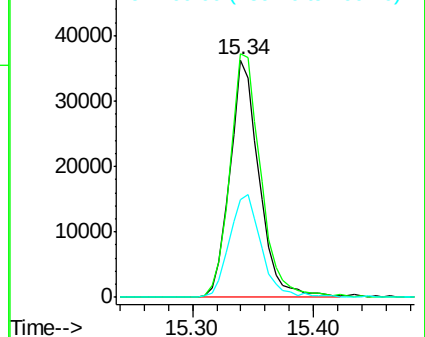
160 41.2 35.4 53.0



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: 98.933 ng

RT: 16.82 min Scan# 2303

Delta R.T. -0.02 min

Lab File: BG032521.D

Acq: 2 Feb 2018 20:46

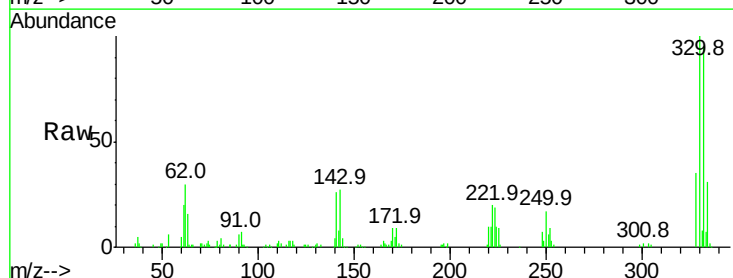
Tgt Ion:330 Resp: 115078

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	28.4	25.2	37.8

330 100

332 96.7 77.0 115.6

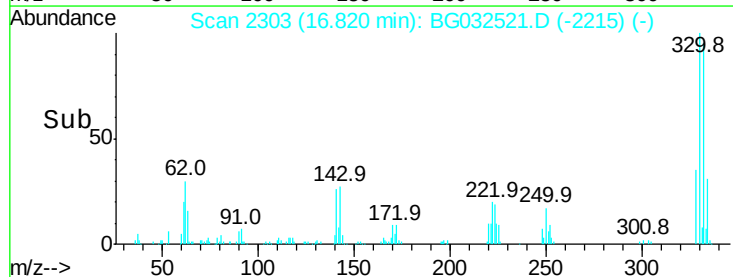
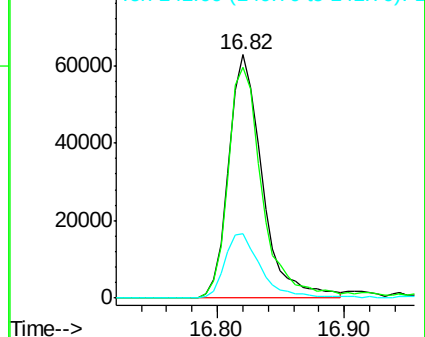
141 28.4 25.2 37.8

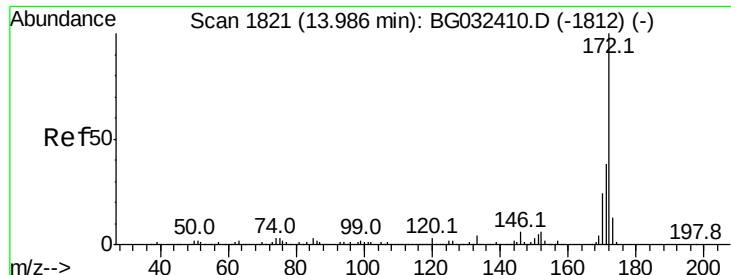


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

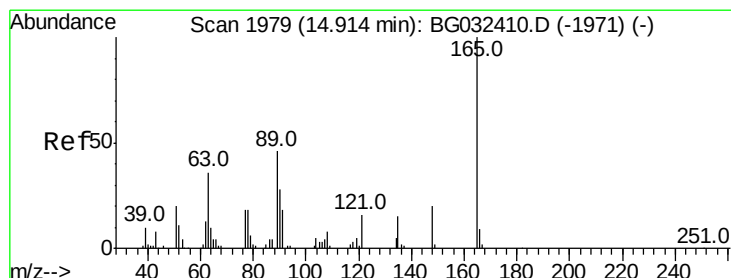
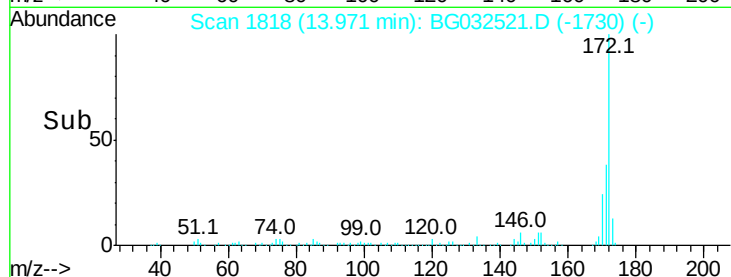
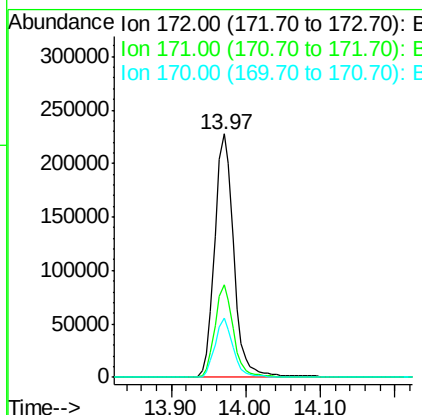
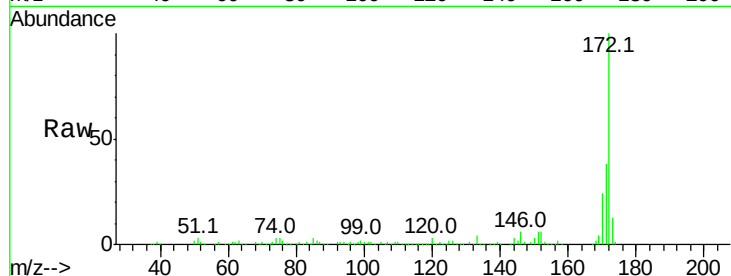




#44
 2-Fluorobiphenyl
 Concen: 78.577 ng
 RT: 13.97 min Scan# 1818
 Delta R.T. -0.02 min
 Lab File: BG032521.D
 Acq: 2 Feb 2018 20:46

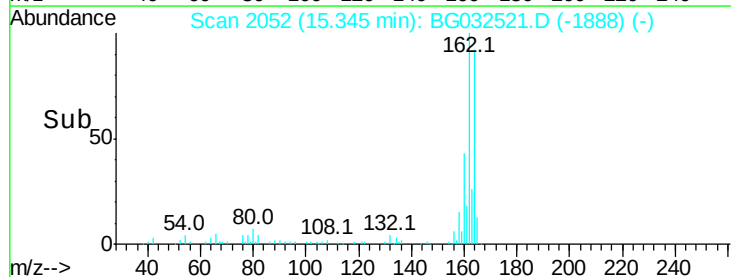
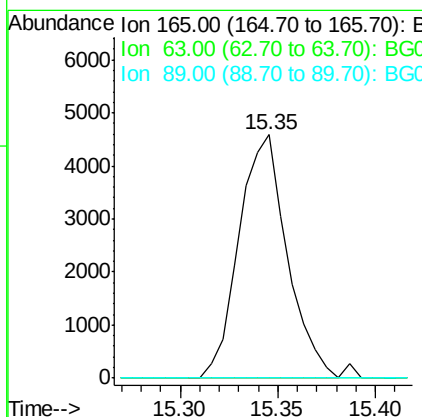
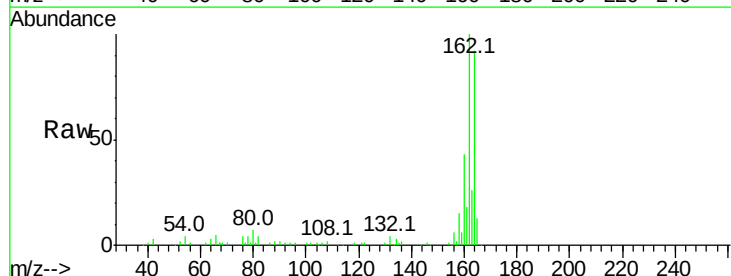
Instrument :
 BNA_G
 ClientSampleId :

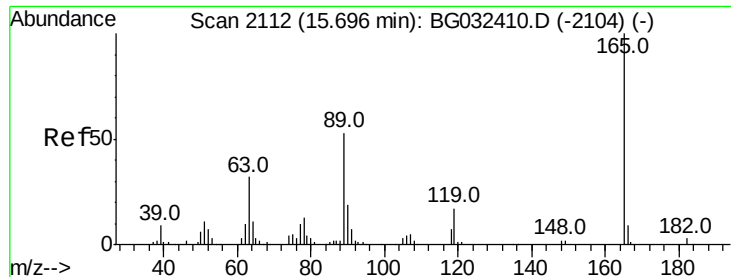
Tot Ion:172 Resp: 403989
 Ion Ratio Lower Upper
 172 100
 171 37.9 30.0 45.0
 170 24.2 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 6.603 ng
 RT: 15.35 min Scan# 2052
 Delta R.T. 0.43 min
 Lab File: BG032521.D
 Acq: 2 Feb 2018 20:46

Tgt Ion:165 Resp: 7809
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#

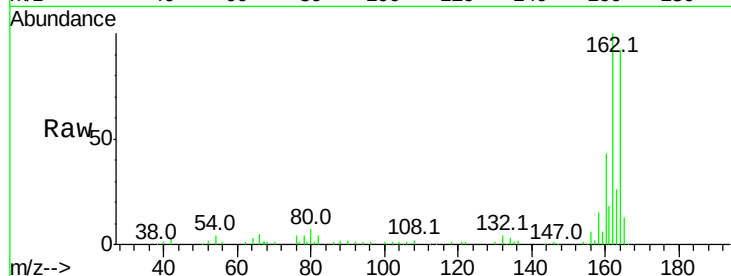




#56
 2,4-Dinitrotoluene
 Concen: 4.638 ng
 RT: 15.35 min Scan# 2052
 Delta R.T. -0.35 min
 Lab File: BG032521.D
 Acq: 2 Feb 2018 20:46

Instrument :
 BNA_G
 ClientSampleId :

Tot 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#

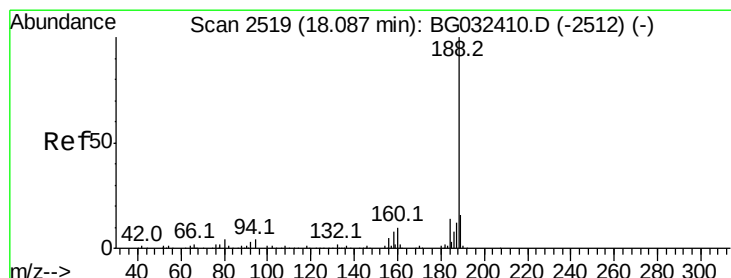
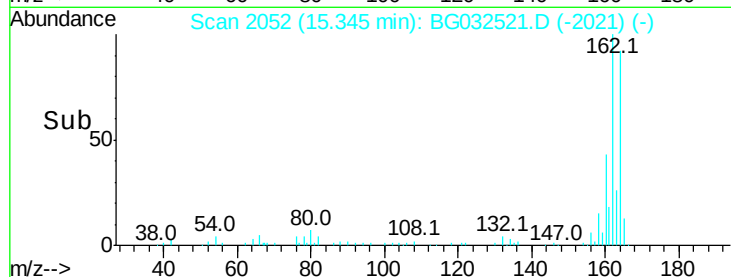
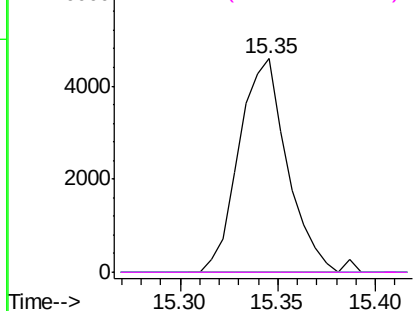


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

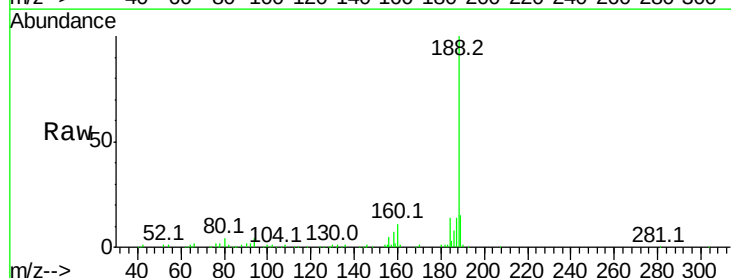
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.08 min Scan# 2517
 Delta R.T. -0.01 min
 Lab File: BG032521.D
 Acq: 2 Feb 2018 20:46

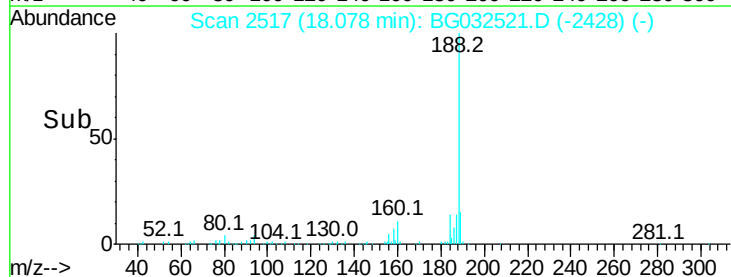
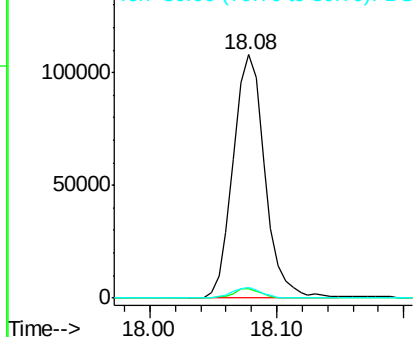
Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.0	6.9	10.3#
80	4.1	7.7	11.5#

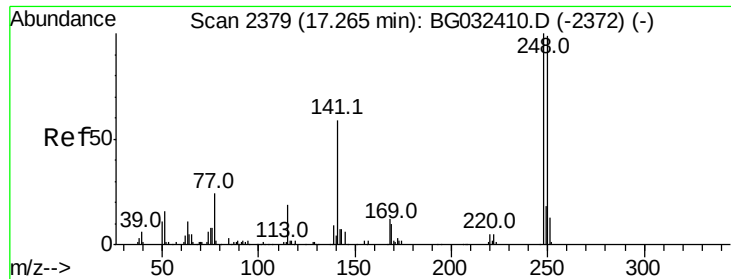


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

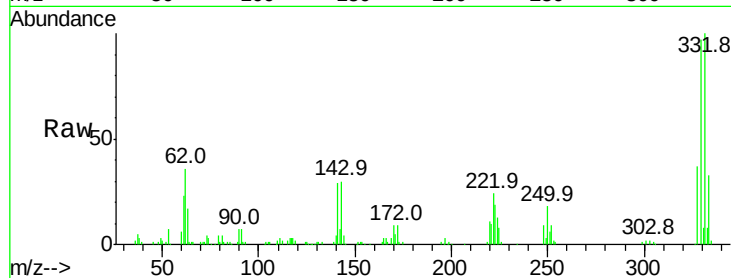




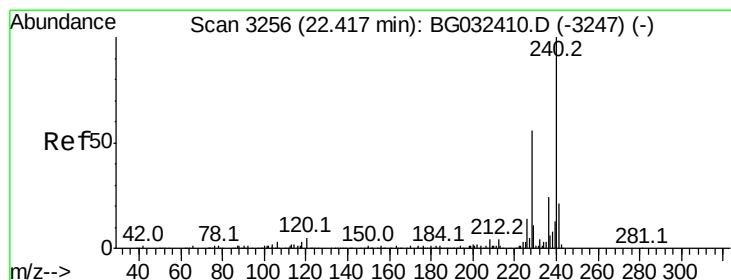
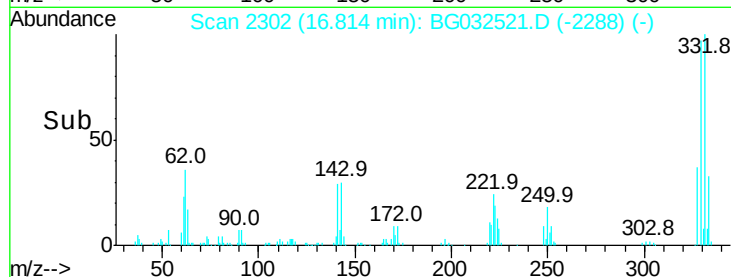
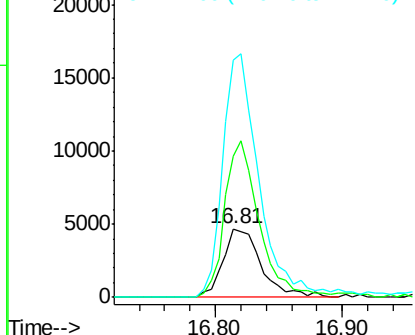
#66
4-Bromophenyl-phenylether
Concen: 3.533 ng
RT: 16.81 min Scan# 2302
Delta R.T. -0.45 min
Lab File: BG032521.D
Acq: 2 Feb 2018 20:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 9793
Ion Ratio Lower Upper
248 100
250 206.0 77.1 115.7#
141 344.9 50.8 76.2#

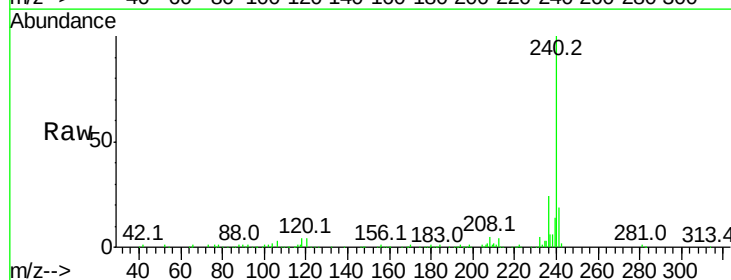


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

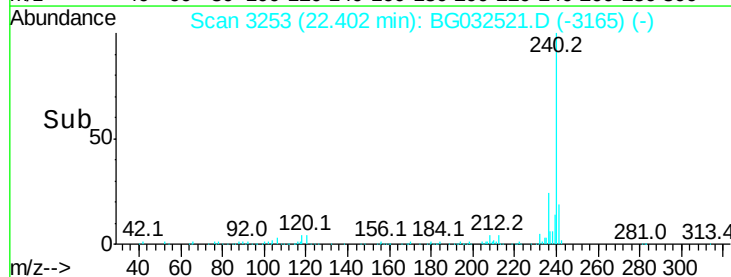
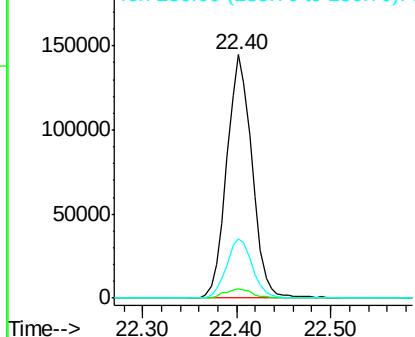


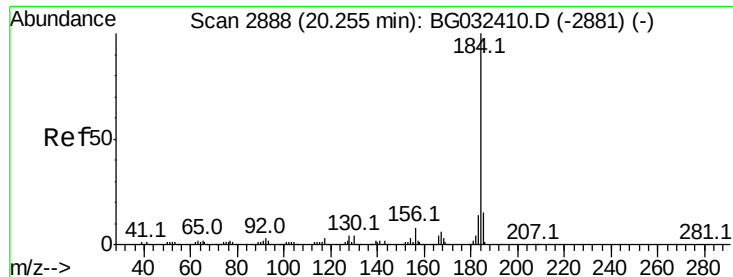
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.40 min Scan# 3253
Delta R.T. -0.02 min
Lab File: BG032521.D
Acq: 2 Feb 2018 20:46

Tgt Ion:240 Resp: 270664
Ion Ratio Lower Upper
240 100
120 3.7 6.8 10.2#
236 24.4 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: 2.813 ng

RT: 20.62 min Scan# 2949

Delta R.T. 0.36 min

Lab File: BG032521.D

Acq: 2 Feb 2018 20:46

Instrument :

BNA_G

ClientSampleId :

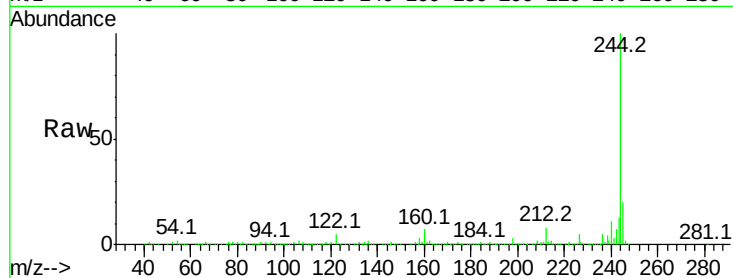
Tot Ion:184 Resp: 14952

Ion Ratio Lower Upper

184 100

185 19.5 11.1 16.7#

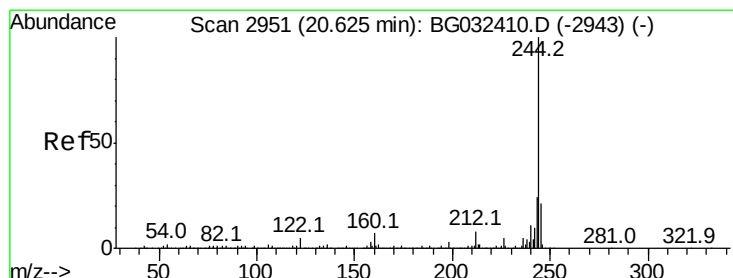
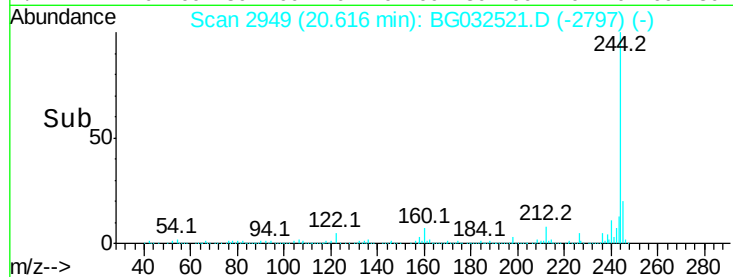
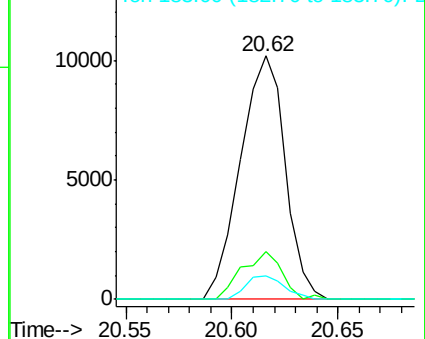
183 9.6 10.6 16.0#



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: 80.137 ng

RT: 20.62 min Scan# 2949

Delta R.T. -0.01 min

Lab File: BG032521.D

Acq: 2 Feb 2018 20:46

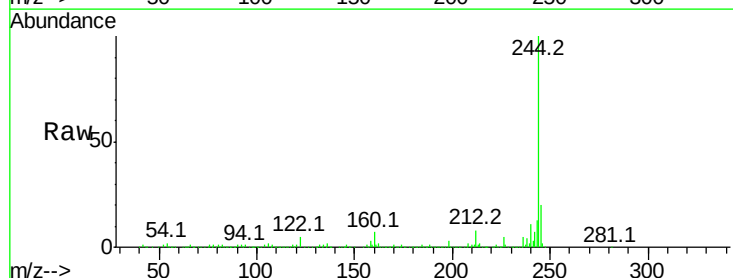
Tgt Ion:244 Resp: 1012575

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

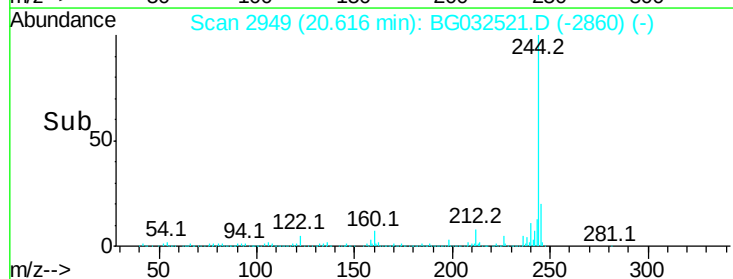
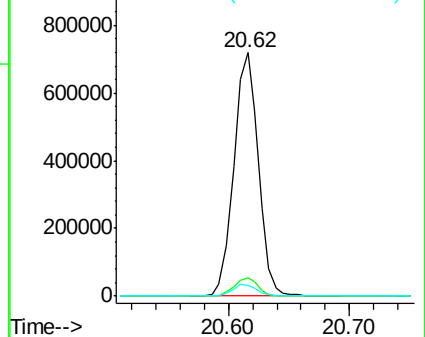
122 4.6 7.0 10.4#

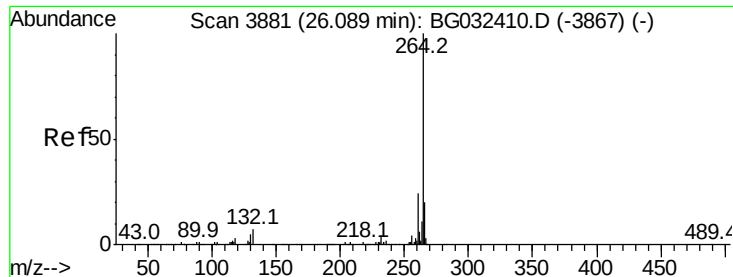


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.07 min Scan# 3877
Delta R.T. -0.02 min
Lab File: BG032521.D
Acq: 2 Feb 2018 20:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.4	26.0
265	20.3	17.7	26.5

