

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021518\
 Data File : BG032721.D
 Acq On : 15 Feb 2018 19:48
 Operator : SJ/JU
 Sample : J1550-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 16 02:26:04 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 12 18:08:01 2018
 Response via : Initial Calibration

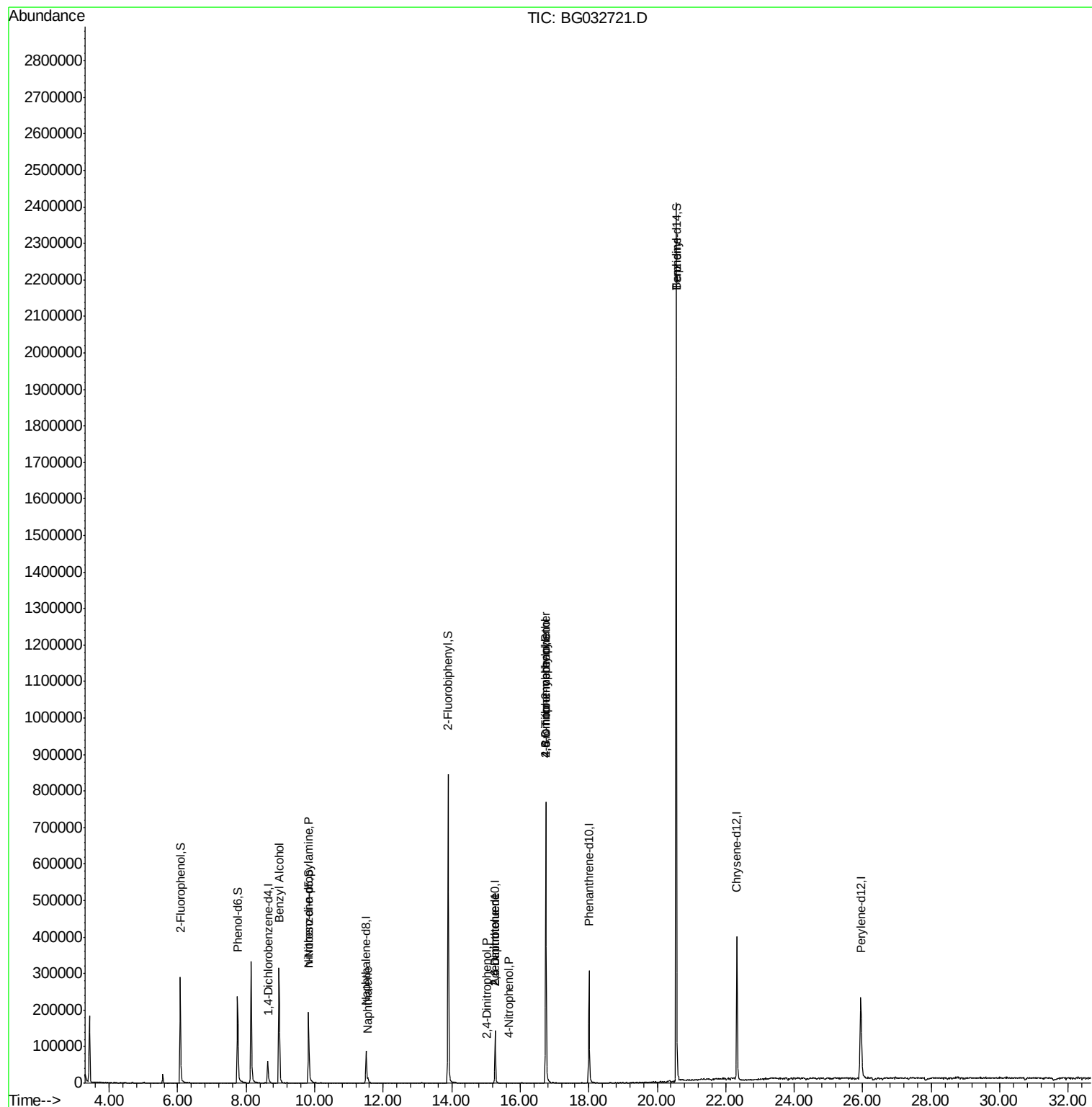
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.63	152	23708	20.00	ng	-0.05
21) Naphthalene-d8	11.50	136	100566	20.00	ng	-0.05
38) Acenaphthene-d10	15.27	164	56989	20.00	ng	-0.04
63) Phenanthrene-d10	18.01	188	224216	20.00	ng	-0.04
75) Chrysene-d12	22.33	240	302286	20.00	ng	-0.05
86) Perylene-d12	25.95	264	320828	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	6.07	112	145906	123.48	ng	-0.04
7) Phenol-d6	7.75	99	156753	97.01	ng	-0.05
23) Nitrobenzene-d5	9.82	82	133500	84.37	ng	-0.05
41) 2,4,6-Tribromophenol	16.75	330	188940	215.31	ng	-0.04
44) 2-Fluorobiphenyl	13.90	172	538600	118.19	ng	-0.04
78) Terphenyl-d14	20.56	244	1254667	94.60	ng	-0.03
Target Compounds						
15) Benzyl Alcohol	8.96	79	2897	2.39	ng	# 46
19) n-Nitroso-di-n-propylamine	9.82	70	19027	17.52	ng	# 74
31) Naphthalene	11.56	128	12505	2.56	ng	# 97
50) 2,6-Dinitrotoluene	15.27	165	8154	8.04	ng	# 18
53) 2,4-Dinitrophenol	15.01	184	62	11.56	ng	# 1
55) 4-Nitrophenol	15.66	139	401	6.05	ng	# 1
56) 2,4-Dinitrotoluene	15.27	165	8154	5.83	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.74	198	485	5.29	ng	# 62
66) 4-Bromophenyl-phenylether	16.75	248	15094	4.70	ng	# 1
76) Benzidine	20.56	184	17917	2.52	ng	# 96

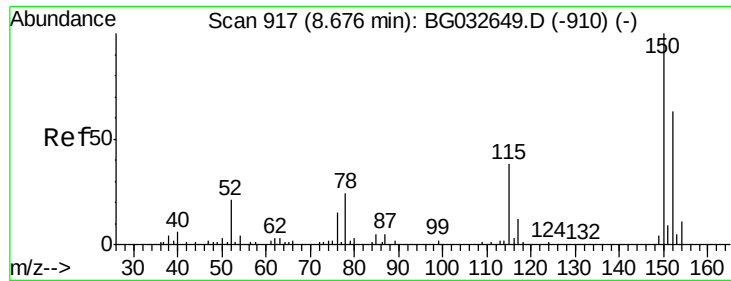
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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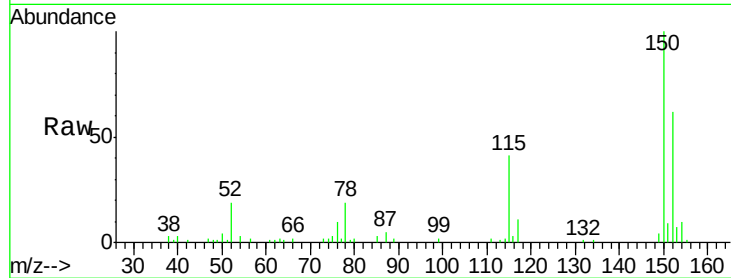


#1

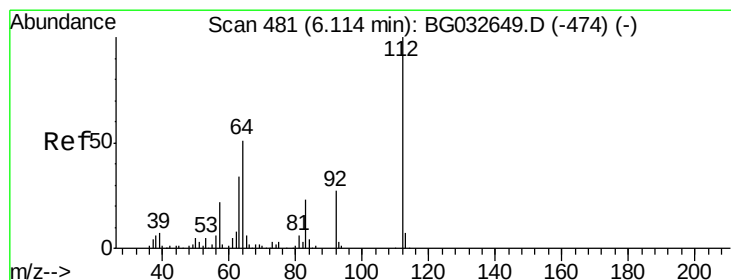
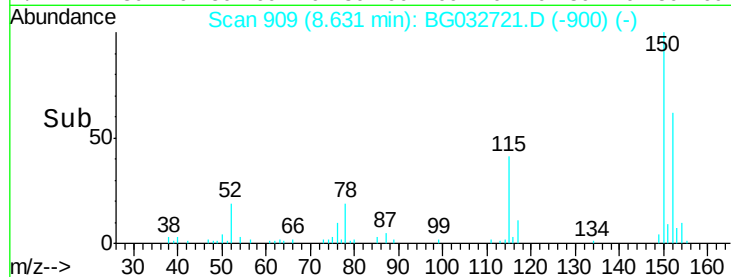
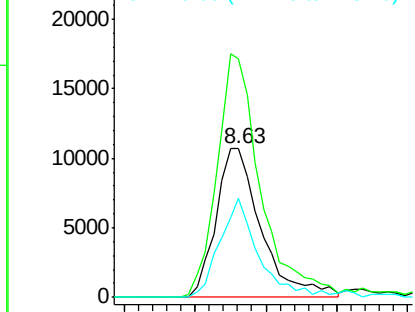
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.63 min Scan# 909
Delta R.T. -0.05 min
Lab File: BG032721.D
Acq: 15 Feb 2018 19:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 23708
Ion Ratio Lower Upper
152 100
150 160.6 126.6 189.8
115 66.4 53.0 79.4



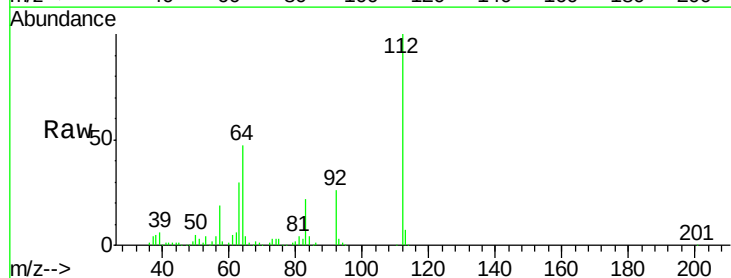
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



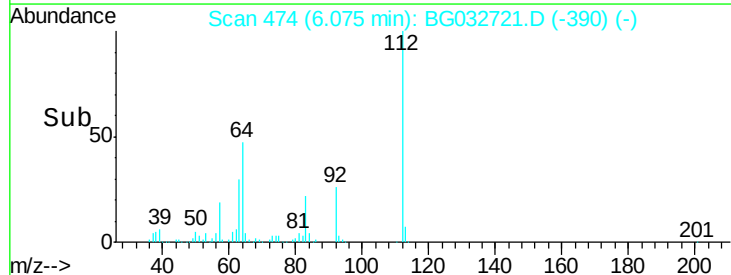
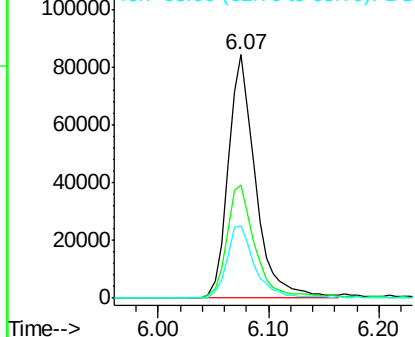
#5

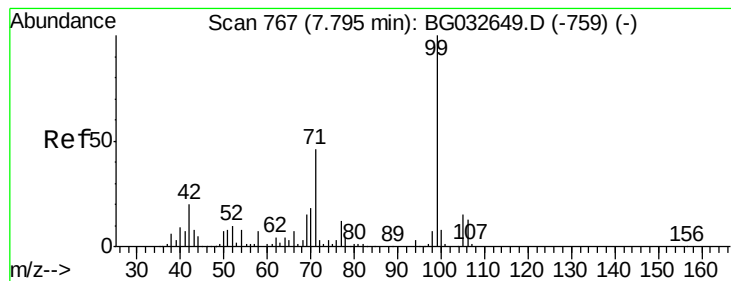
2-Fluorophenol
Concen: 123.48 ng
RT: 6.07 min Scan# 474
Delta R.T. -0.04 min
Lab File: BG032721.D
Acq: 15 Feb 2018 19:48

Tgt Ion:112 Resp: 145906
Ion Ratio Lower Upper
112 100
64 46.7 56.3 84.5#
63 29.7 30.1 45.1#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 97.01 ng

RT: 7.75 min Scan# 759

Delta R.T. -0.05 min

Lab File: BG032721.D

Acq: 15 Feb 2018 19:48

Instrument :

BNA_G

ClientSampled :

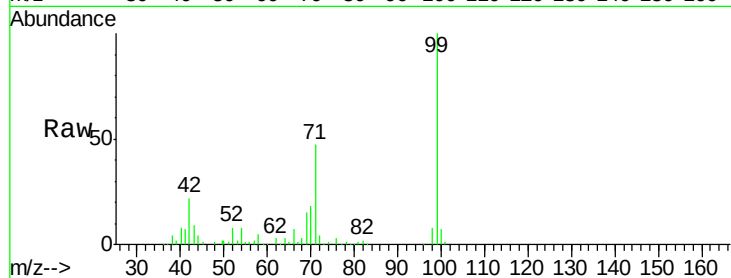
Tot Ion: 99 Resp: 156753

Ion Ratio Lower Upper

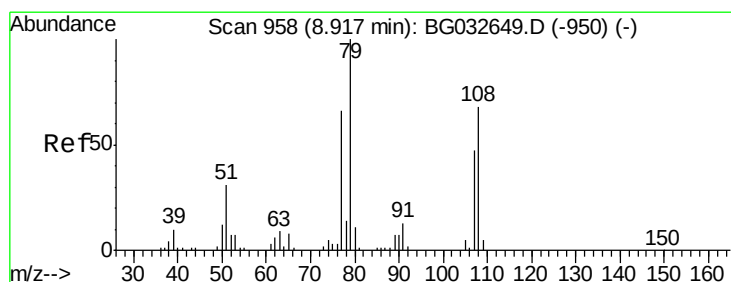
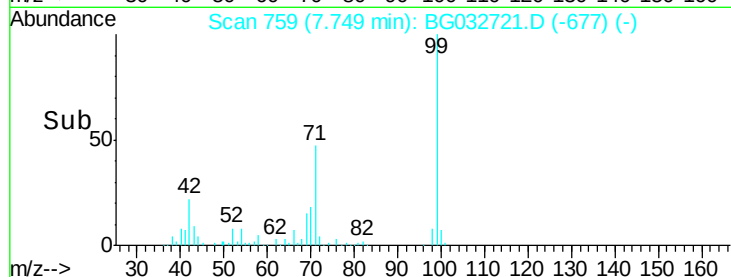
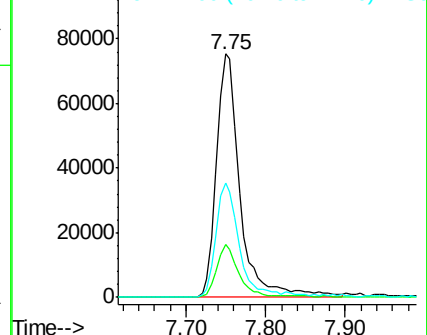
99 100

42 21.7 14.1 21.1#

71 47.1 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: 2.39 ng

RT: 8.96 min Scan# 965

Delta R.T. 0.04 min

Lab File: BG032721.D

Acq: 15 Feb 2018 19:48

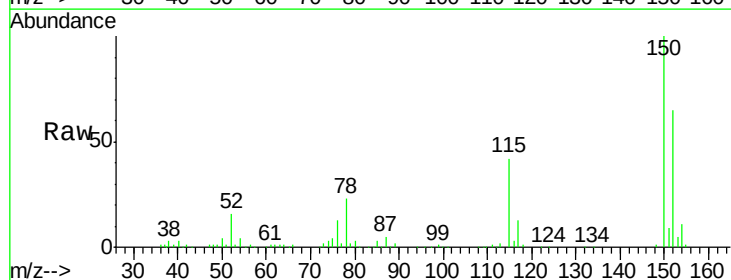
Tgt Ion: 79 Resp: 2897

Ion Ratio Lower Upper

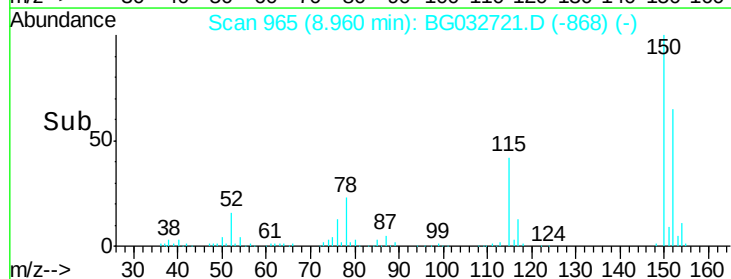
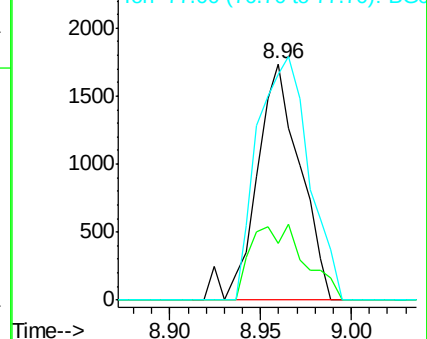
79 100

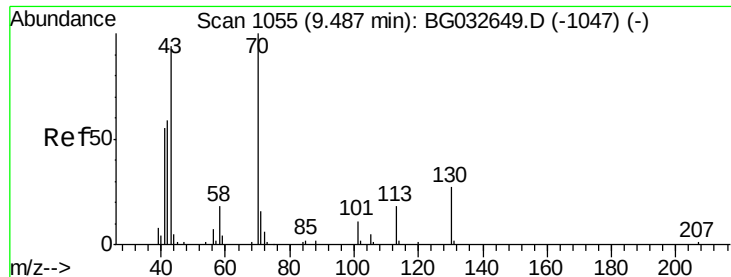
108 24.0 57.2 85.8#

77 95.2 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

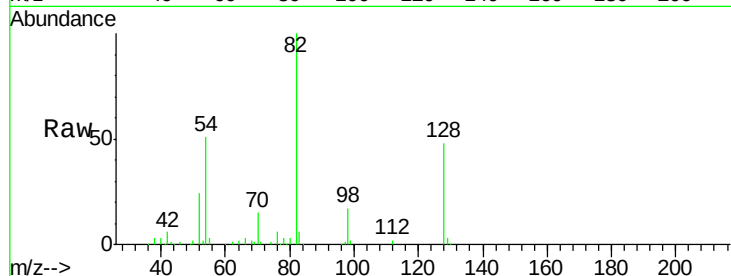




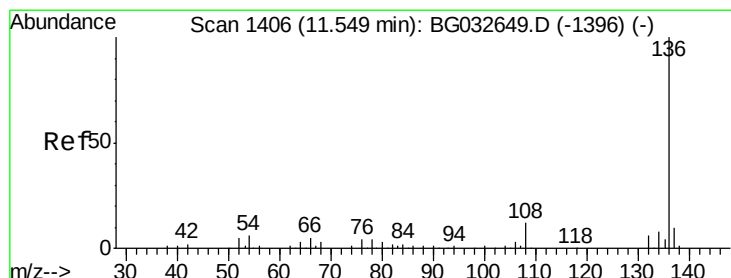
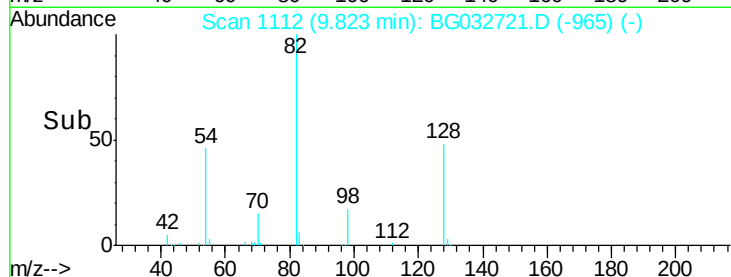
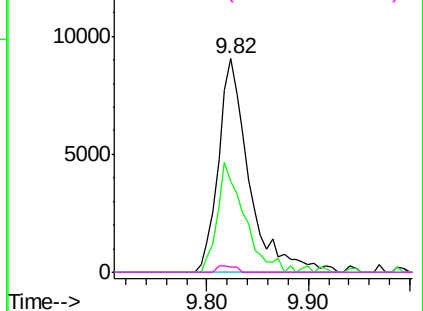
#19
n-Nitroso-di-n-propylamine
Concen: 17.52 ng
RT: 9.82 min Scan# 1112
Delta R.T. 0.34 min
Lab File: BG032721.D
Acq: 15 Feb 2018 19:48

Instrument :
BNA_G
ClientSampleID :

Tot Ion: 70 Resp: 19027
Ion Ratio Lower Upper
70 100
42 42.7 49.1 73.7#
101 0.0 8.5 12.7#
130 2.5 13.4 20.0#

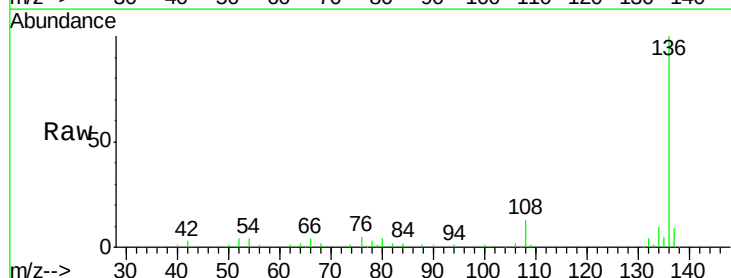


Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

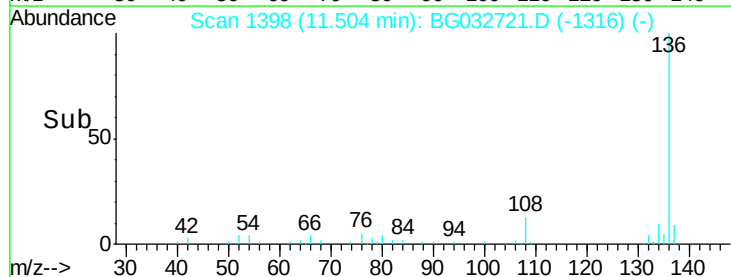
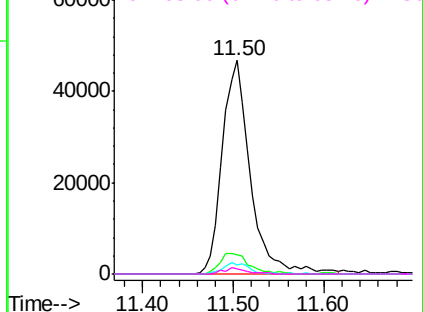


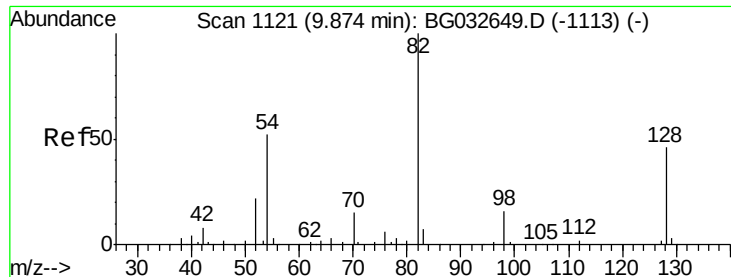
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.50 min Scan# 1398
Delta R.T. -0.05 min
Lab File: BG032721.D
Acq: 15 Feb 2018 19:48

Tgt Ion: 136 Resp: 100566
Ion Ratio Lower Upper
136 100
137 9.0 9.2 13.8#
54 4.4 10.3 15.5#
68 2.3 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

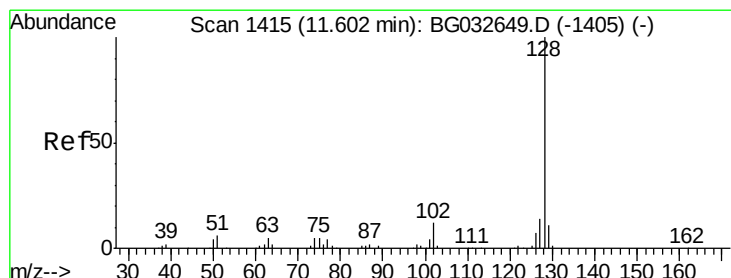
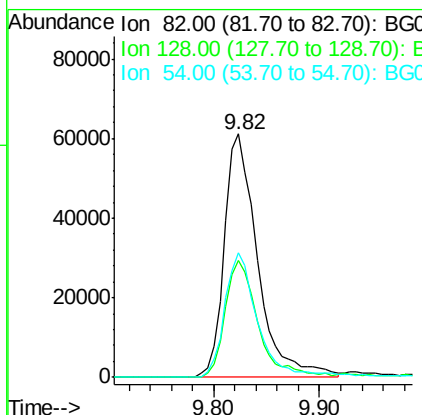
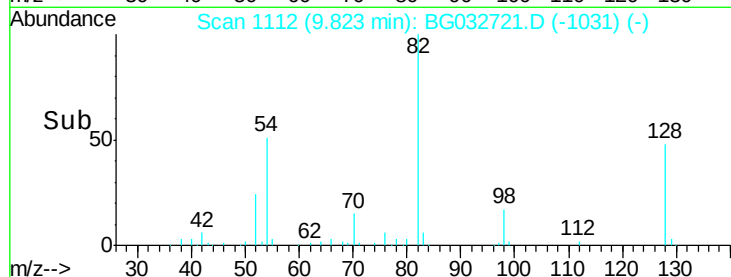
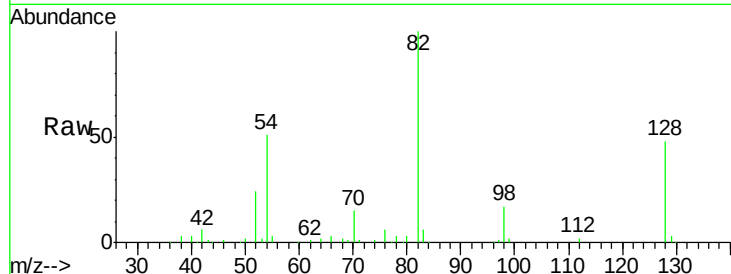




#23
Nitrobenzene-d5
Concen: 84.37 ng
RT: 9.82 min Scan# 1112
Delta R.T. -0.05 min
Lab File: BG032721.D
Acq: 15 Feb 2018 19:48

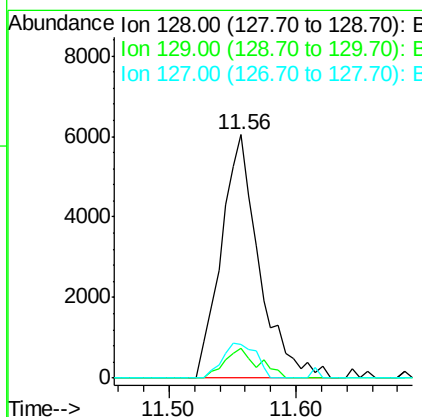
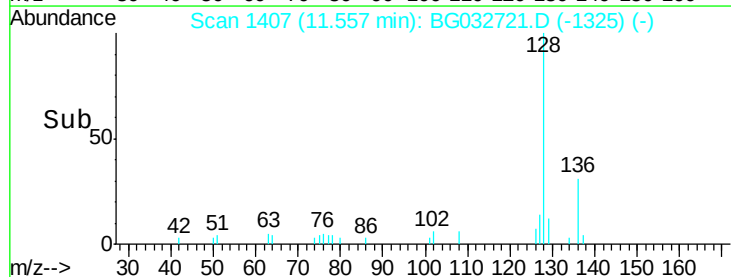
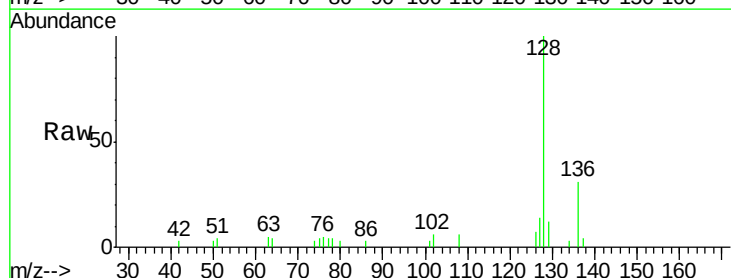
Instrument :
BNA_G
ClientSampled :

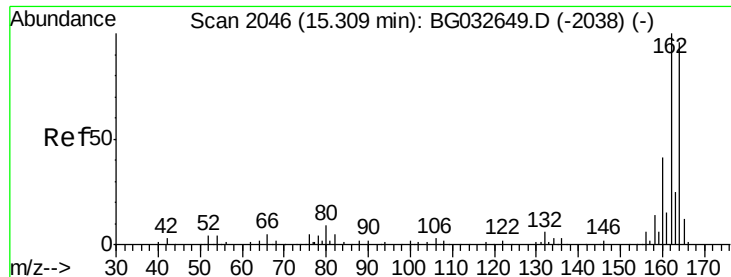
Tot Ion: 82 Resp: 133500
Ion Ratio Lower Upper
82 100
128 48.0 29.7 44.5#
54 51.4 43.1 64.7



#31
Naphthalene
Concen: 2.56 ng
RT: 11.56 min Scan# 1407
Delta R.T. -0.05 min
Lab File: BG032721.D
Acq: 15 Feb 2018 19:48

Tgt Ion: 128 Resp: 12505
Ion Ratio Lower Upper
128 100
129 12.0 8.6 12.8
127 13.7 11.6 17.4





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.27 min Scan# 2039

Delta R.T. -0.04 min

Lab File: BG032721.D

Acq: 15 Feb 2018 19:48

Instrument :

BNA_G

ClientSampled :

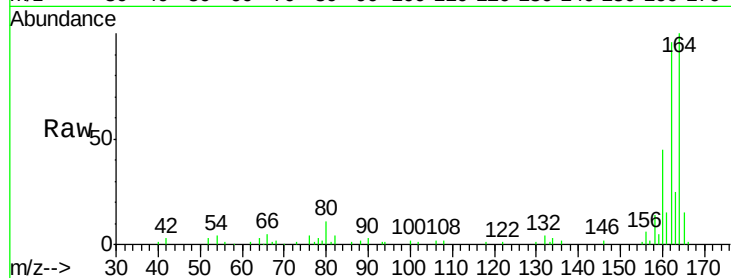
Tot Ion:164 Resp: 56989

Ion Ratio Lower Upper

164 100

162 95.7 78.8 118.2

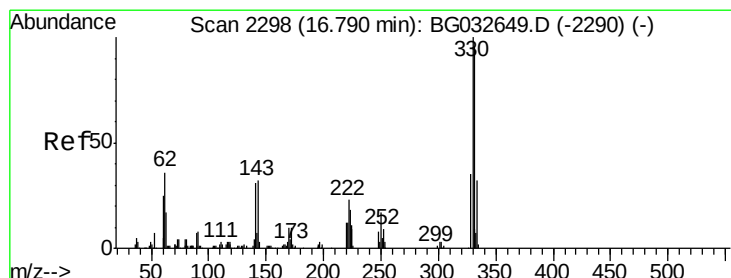
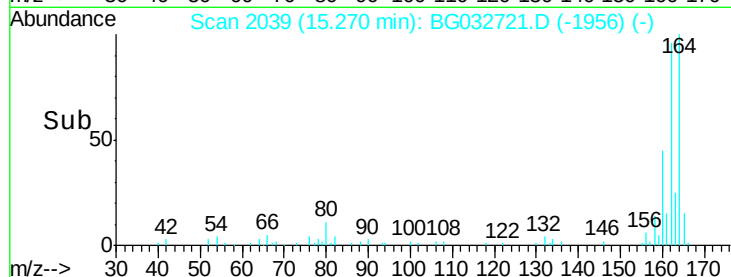
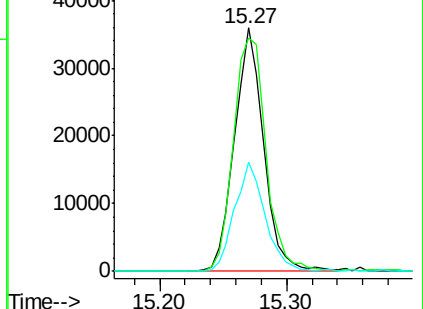
160 44.7 35.4 53.0



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: 215.31 ng

RT: 16.75 min Scan# 2291

Delta R.T. -0.04 min

Lab File: BG032721.D

Acq: 15 Feb 2018 19:48

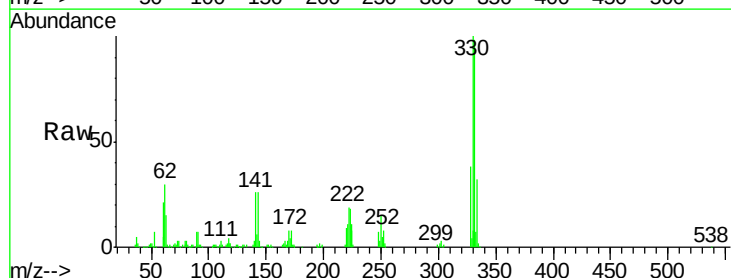
Tgt Ion:330 Resp: 188940

Ion Ratio Lower Upper

330 100

332 96.4 77.0 115.6

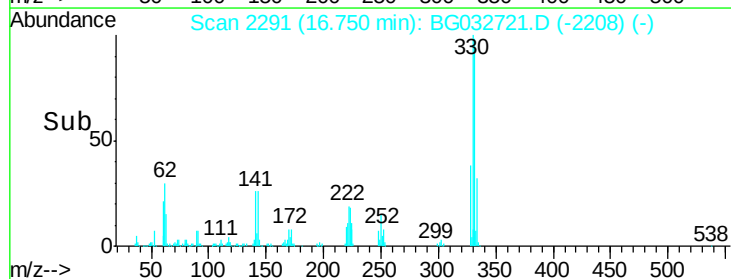
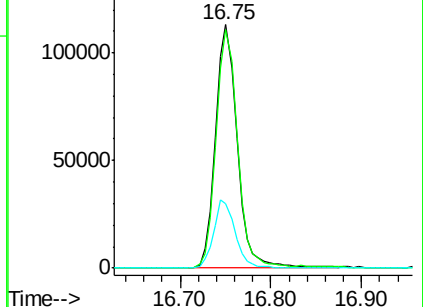
141 27.7 25.2 37.8

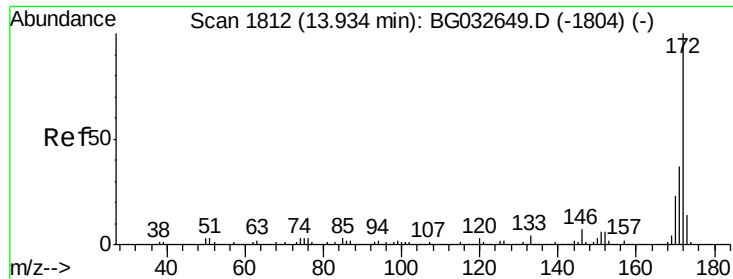


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

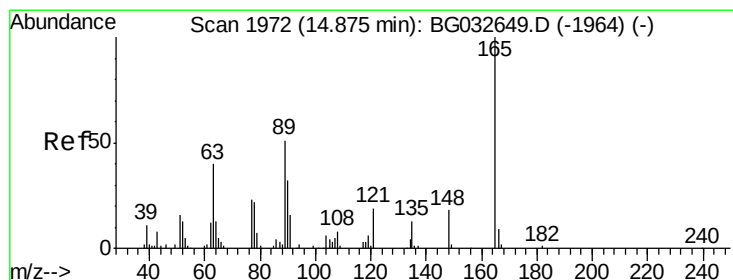
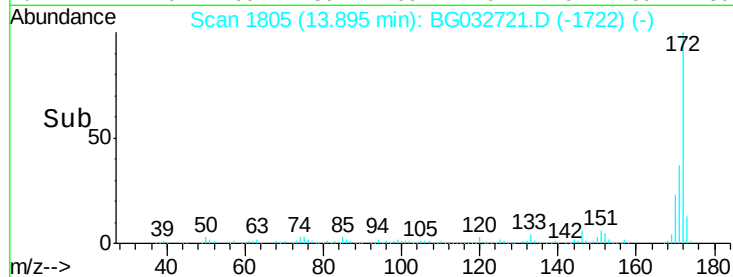
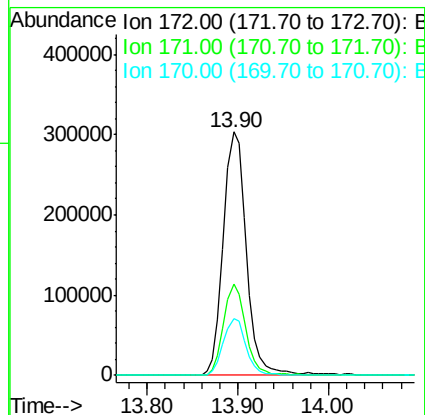
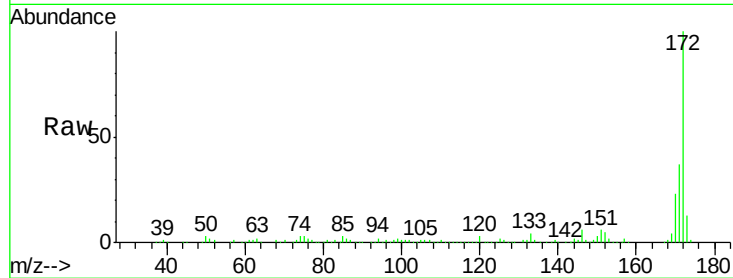




#44
 2-Fluorobiphenyl
 Concen: 118.19 ng
 RT: 13.90 min Scan# 1805
 Delta R.T. -0.04 min
 Lab File: BG032721.D
 Acq: 15 Feb 2018 19:48

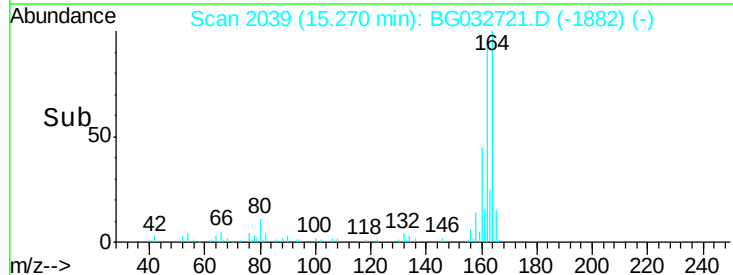
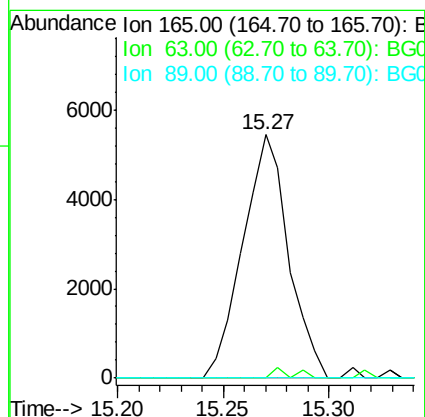
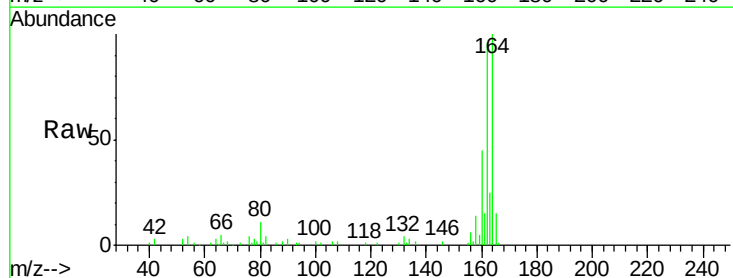
Instrument :
 BNA_G
 ClientSampleId :

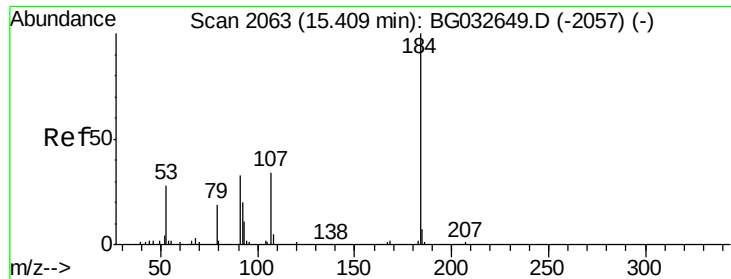
Tot Ion:172 Resp: 538600
 Ion Ratio Lower Upper
 172 100
 171 37.3 30.0 45.0
 170 23.2 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 8.04 ng
 RT: 15.27 min Scan# 2039
 Delta R.T. 0.40 min
 Lab File: BG032721.D
 Acq: 15 Feb 2018 19:48

Tgt Ion:165 Resp: 8154
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#

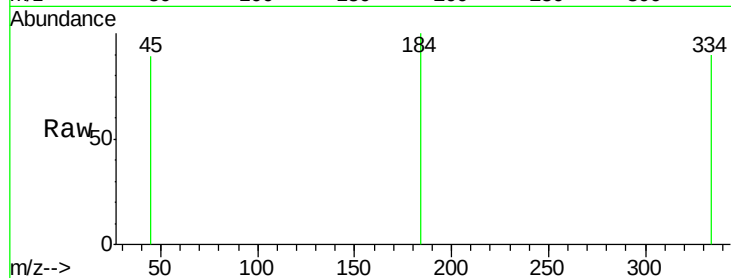




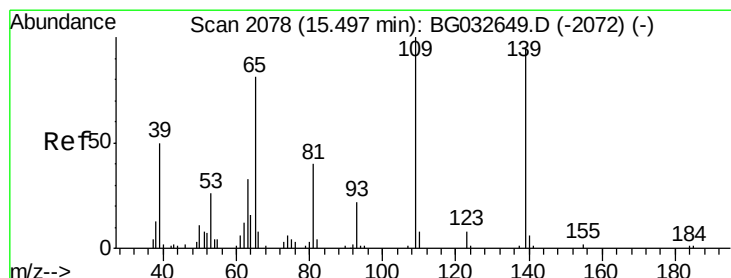
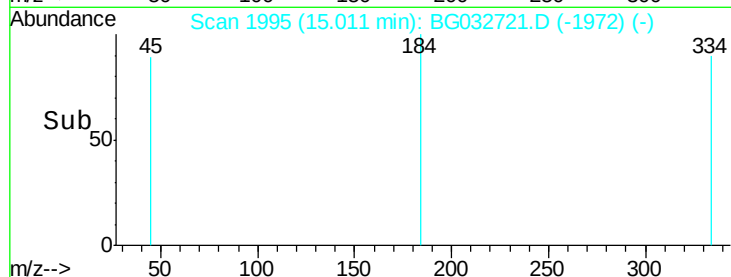
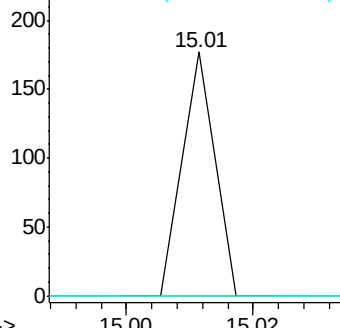
#53
 2,4-Dinitrophenol
 Concen: 11.56 ng
 RT: 15.01 min Scan# 1995
 Delta R.T. -0.40 min
 Lab File: BG032721.D
 Acq: 15 Feb 2018 19:48

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:184 Resp: 62
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#

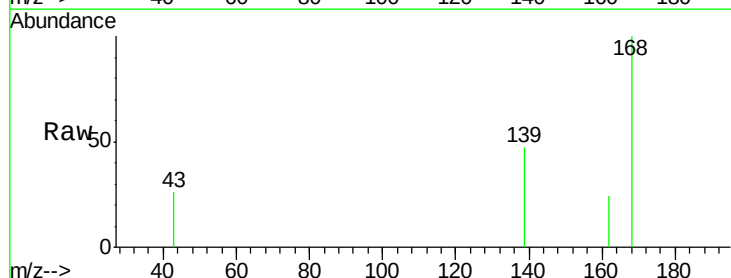


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 154.00 (153.70 to 154.70): E

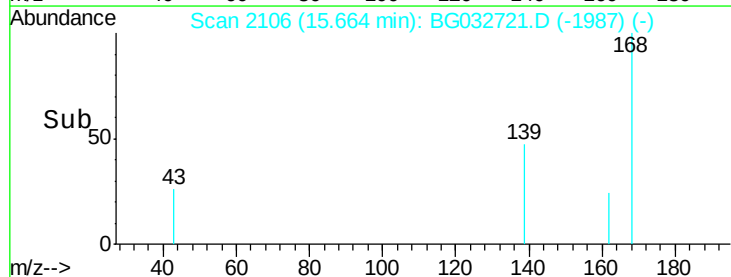
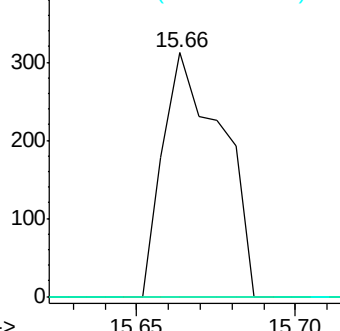


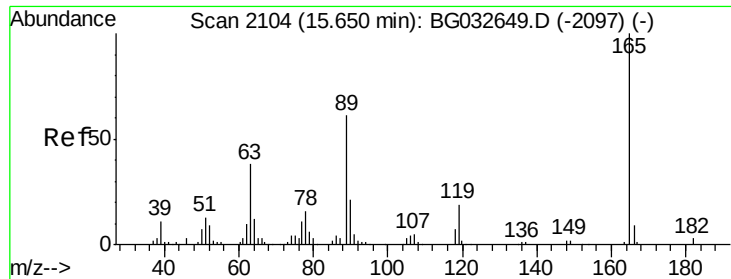
#55
 4-Nitrophenol
 Concen: 6.05 ng
 RT: 15.66 min Scan# 2106
 Delta R.T. 0.17 min
 Lab File: BG032721.D
 Acq: 15 Feb 2018 19:48

Tgt Ion:139 Resp: 401
 Ion Ratio Lower Upper
 139 100
 109 0.0 62.2 102.2#
 65 0.0 97.2 137.2#



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BGC

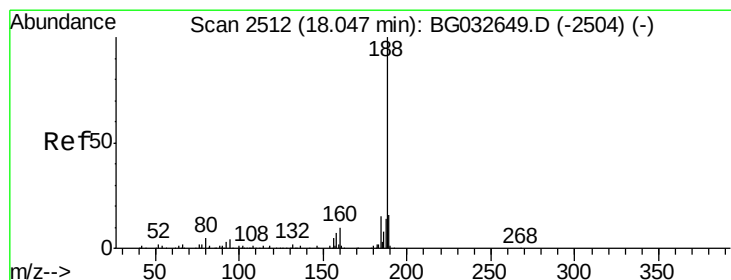
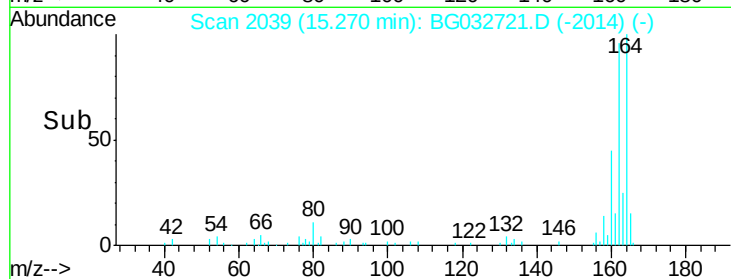
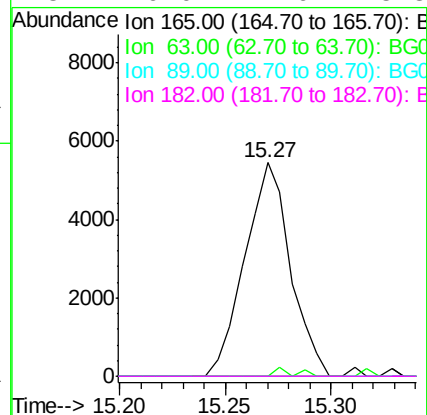
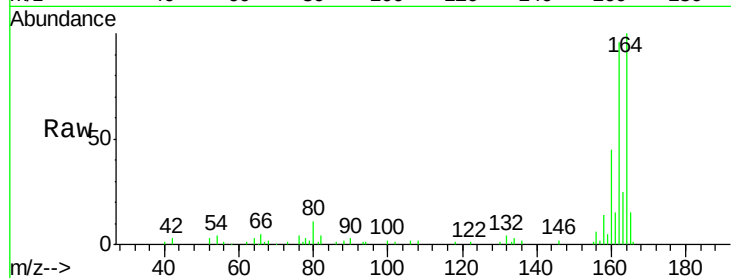




#56
2,4-Dinitrotoluene
Concen: 5.83 ng
RT: 15.27 min Scan# 2039
Delta R.T. -0.38 min
Lab File: BG032721.D
Acq: 15 Feb 2018 19:48

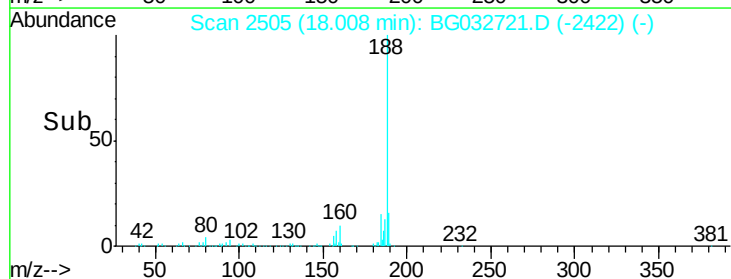
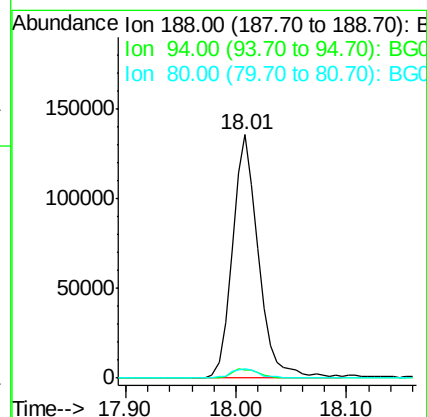
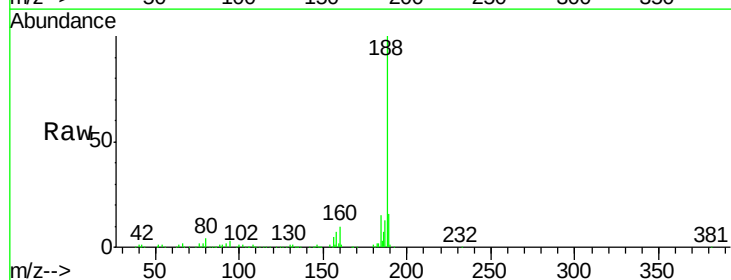
Instrument :
BNA_G
ClientSampleId :

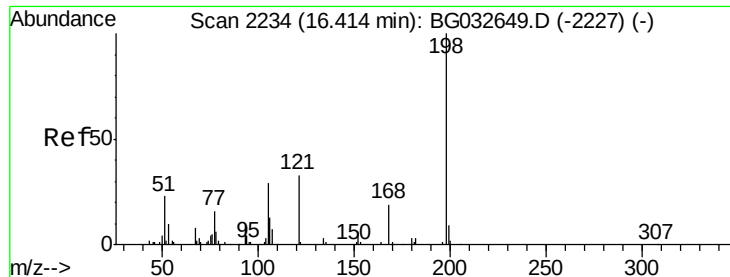
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.01 min Scan# 2505
Delta R.T. -0.04 min
Lab File: BG032721.D
Acq: 15 Feb 2018 19:48

Tgt Ion	Ratio	Lower	Upper
188	100		
94	3.5	6.9	10.3#
80	3.9	7.7	11.5#

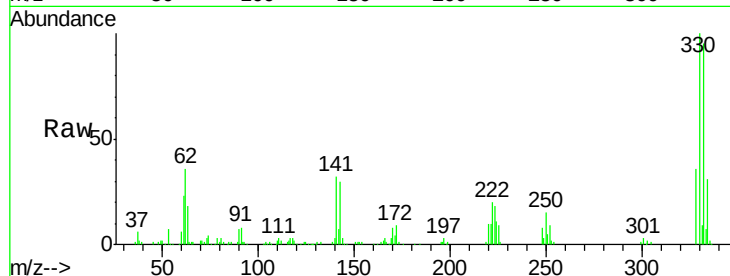




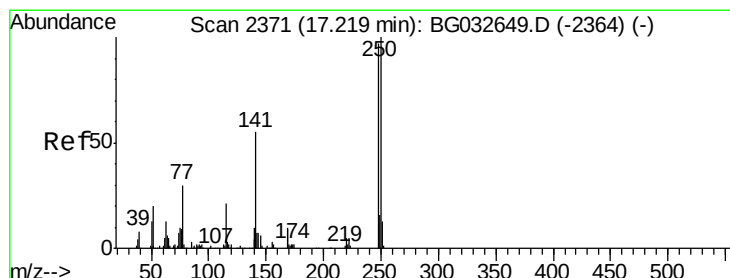
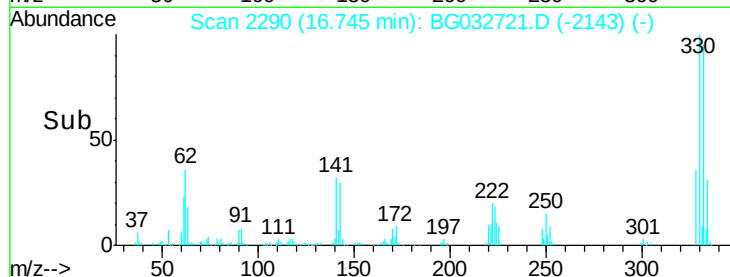
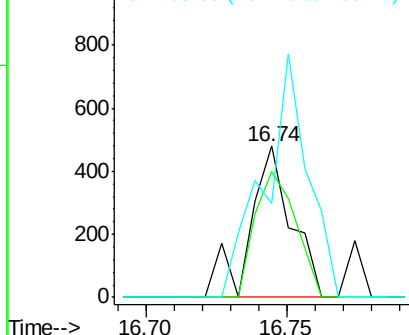
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.29 ng
 RT: 16.74 min Scan# 2290
 Delta R.T. 0.33 min
 Lab File: BG032721.D
 Acq: 15 Feb 2018 19:48

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 485
 Ion Ratio Lower Upper
 198 100
 51 82.9 30.6 70.6#
 105 62.3 23.8 63.8

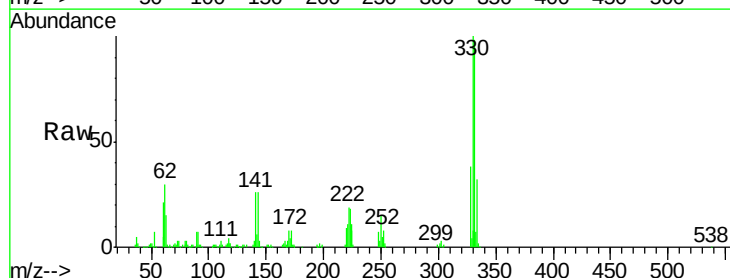


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

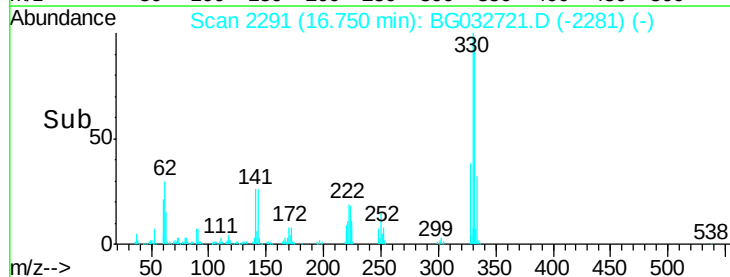
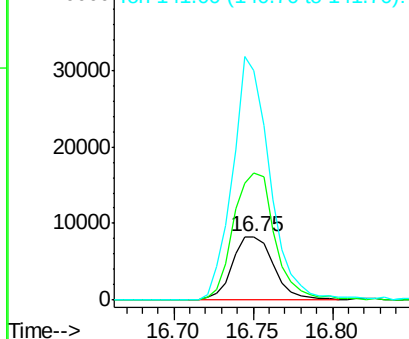


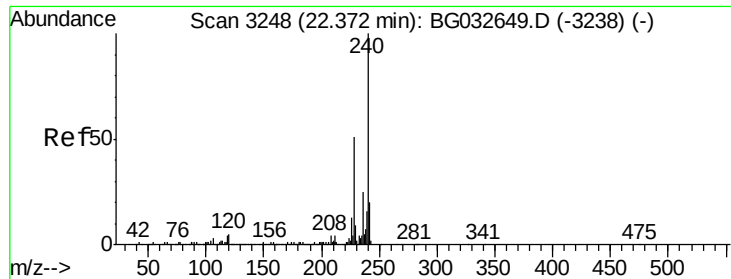
#66
 4-Bromophenyl-phenylether
 Concen: 4.70 ng
 RT: 16.75 min Scan# 2291
 Delta R.T. -0.47 min
 Lab File: BG032721.D
 Acq: 15 Feb 2018 19:48

Tgt Ion:248 Resp: 15094
 Ion Ratio Lower Upper
 248 100
 250 200.4 77.1 115.7#
 141 360.6 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: 20.00 ng

RT: 22.33 min Scan# 3240

Delta R.T. -0.05 min

Lab File: BG032721.D

Acq: 15 Feb 2018 19:48

Instrument :

BNA_G

ClientSampleId :

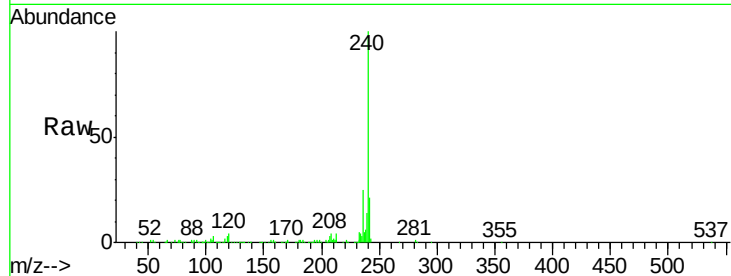
Tot Ion:240 Resp: 302286

Ion Ratio Lower Upper

240 100

120 4.3 6.8 10.2#

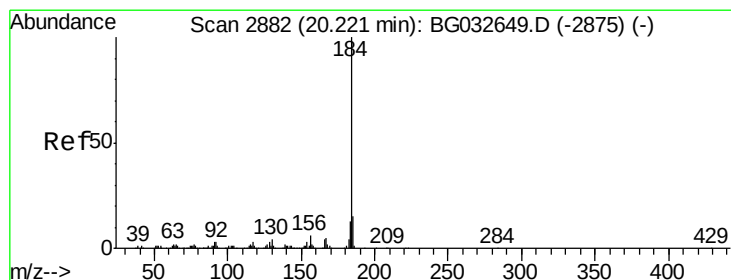
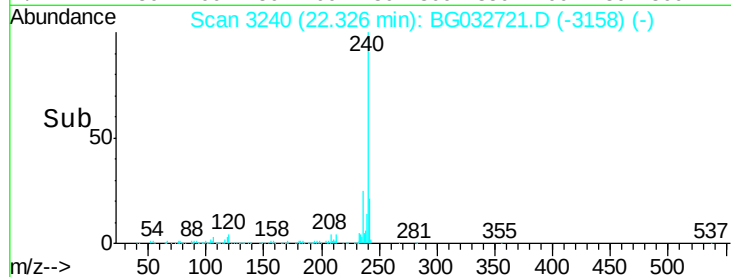
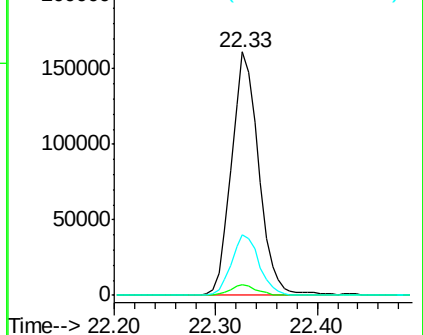
236 24.7 20.9 31.3



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: 2.52 ng

RT: 20.56 min Scan# 2939

Delta R.T. 0.34 min

Lab File: BG032721.D

Acq: 15 Feb 2018 19:48

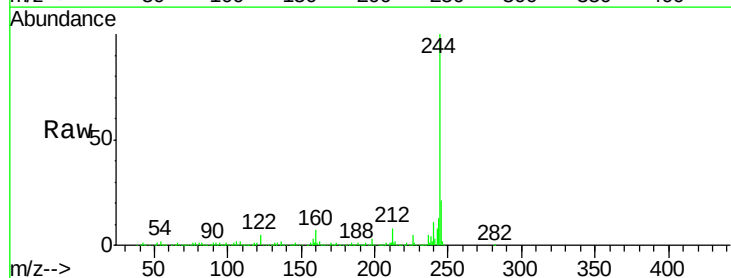
Tgt Ion:184 Resp: 17917

Ion Ratio Lower Upper

184 100

185 14.0 11.1 16.7

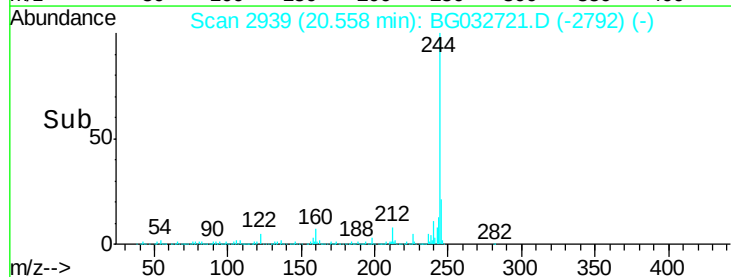
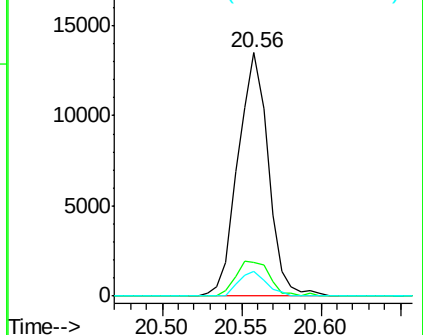
183 10.4 10.6 16.0#

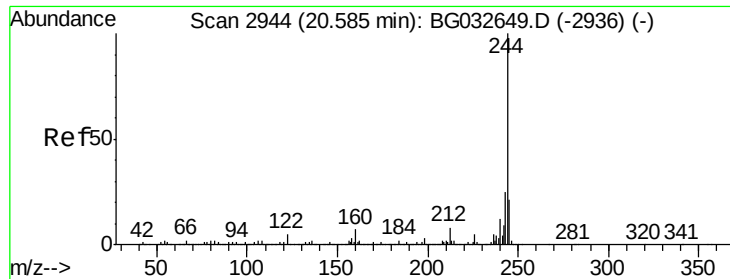


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 94.60 ng

RT: 20.56 min Scan# 2939

Delta R.T. -0.03 min

Lab File: BG032721.D

Acq: 15 Feb 2018 19:48

Instrument :

BNA_G

ClientSampleId :

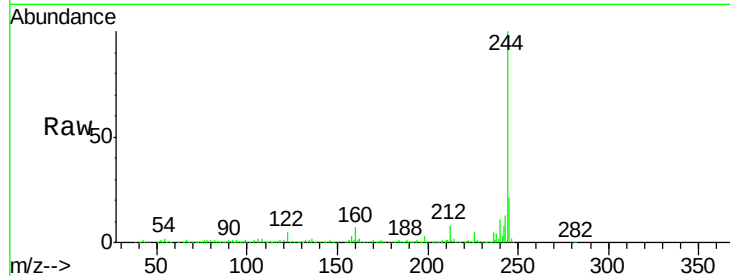
Tot Ion:244 Resp: 1254667

Ion	Ratio	Lower	Upper
244	100		
212	8.0	5.8	8.8
122	5.4	7.0	10.4

244 100

212 8.0 5.8 8.8

122 5.4 7.0 10.4

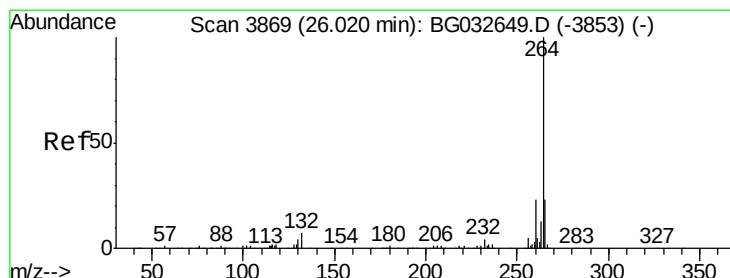
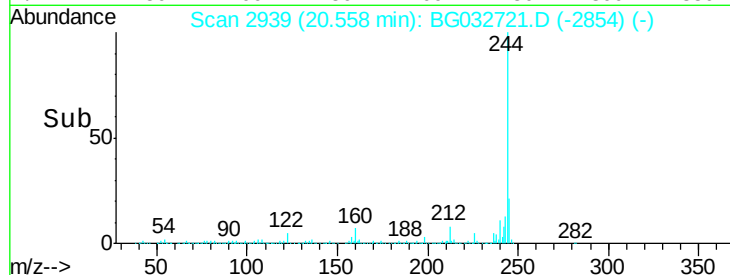
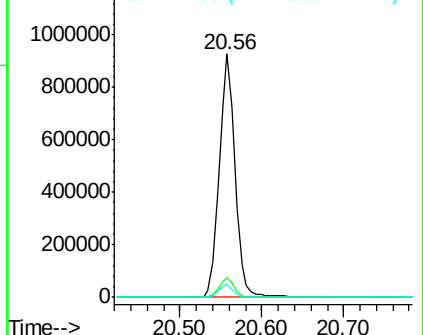


Abundance

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: 20.00 ng

RT: 25.95 min Scan# 3856

Delta R.T. -0.07 min

Lab File: BG032721.D

Acq: 15 Feb 2018 19:48

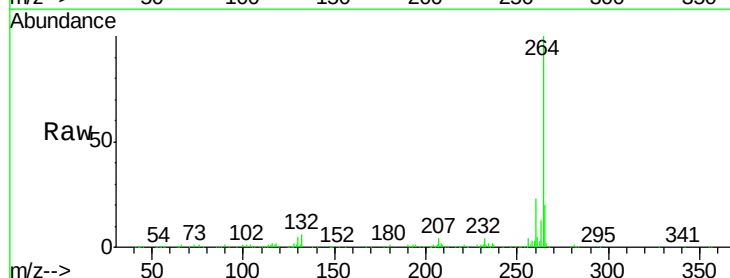
Tgt Ion:264 Resp: 320828

Ion	Ratio	Lower	Upper
264	100		
260	23.4	17.4	26.0
265	19.8	17.7	26.5

264 100

260 23.4 17.4 26.0

265 19.8 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

