

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020718\
 Data File : BG032600.D
 Acq On : 7 Feb 2018 19:05
 Operator : SJ/JU
 Sample : J1400-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 08 02:26:28 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 06 18:57:08 2018
 Response via : Initial Calibration

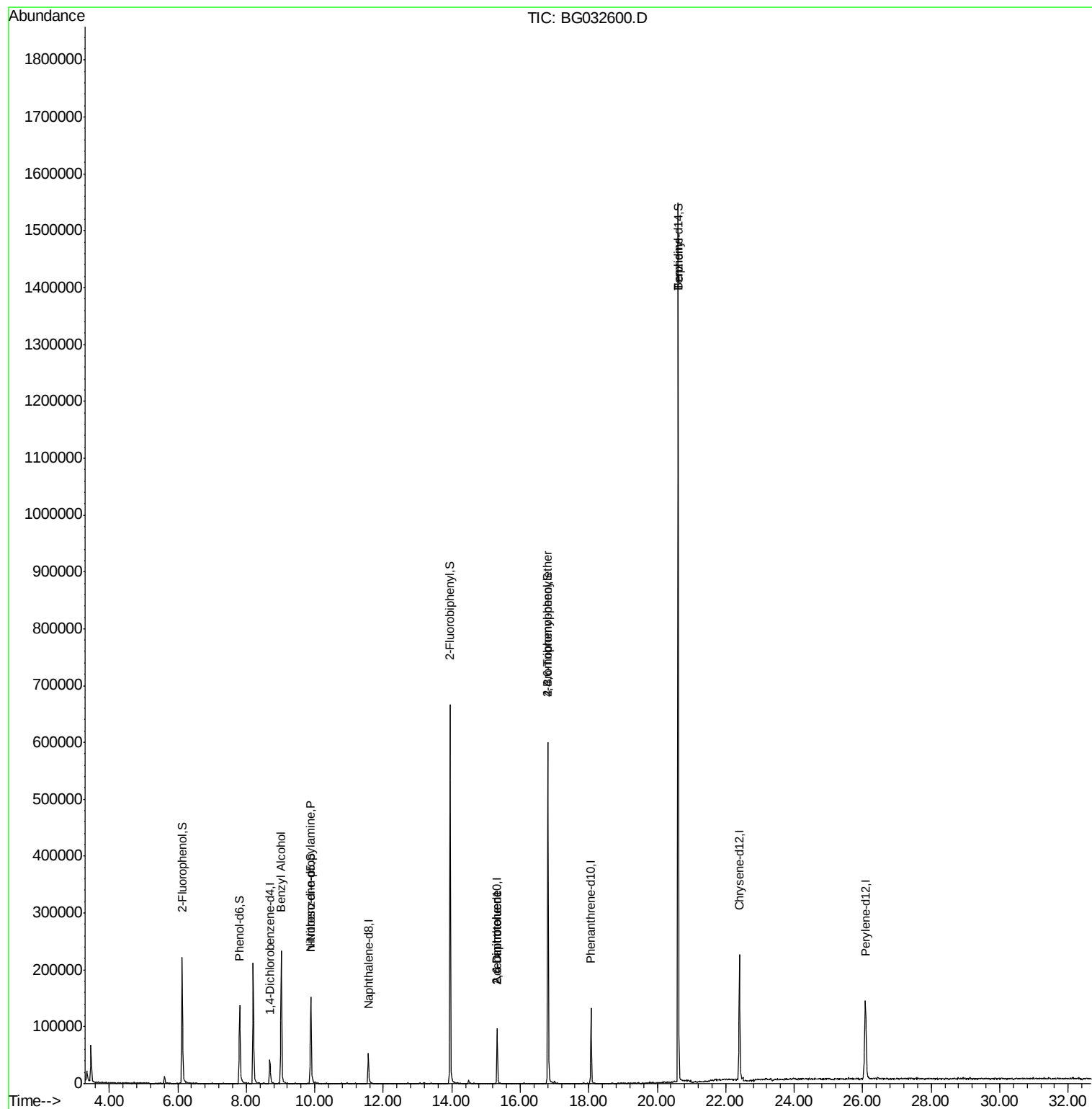
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.69	152	16055	20.00	ng	-0.02
21) Naphthalene-d8	11.57	136	59143	20.00	ng	-0.02
38) Acenaphthene-d10	15.32	164	39013	20.00	ng	-0.02
63) Phenanthrene-d10	18.06	188	108667	20.00	ng	-0.01
75) Chrysene-d12	22.39	240	180070	20.00	ng	-0.01
86) Perylene-d12	26.07	264	199659	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.13	112	123071	153.97	ng	-0.02
7) Phenol-d6	7.81	99	102321	95.93	ng	-0.02
23) Nitrobenzene-d5	9.89	82	106526	112.50	ng	-0.02
41) 2,4,6-Tribromophenol	16.81	330	155261	209.07	ng	-0.01
44) 2-Fluorobiphenyl	13.95	172	411699	125.43	ng	-0.02
78) Terphenyl-d14	20.61	244	855622	101.78	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.01	79	1840	2.09	ng	# 63
19) n-Nitroso-di-n-propylamine	9.89	70	14938	21.12	ng	# 78
50) 2,6-Dinitrotoluene	15.32	165	5167	6.84	ng	# 18
56) 2,4-Dinitrotoluene	15.32	165	5167	4.81	ng	# 16
66) 4-Bromophenyl-phenylether	16.81	248	11808	7.33	ng	# 1
76) Benzidine	20.61	184	11597	3.28	ng	# 89

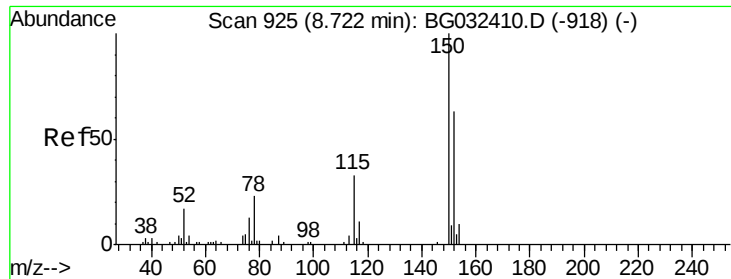
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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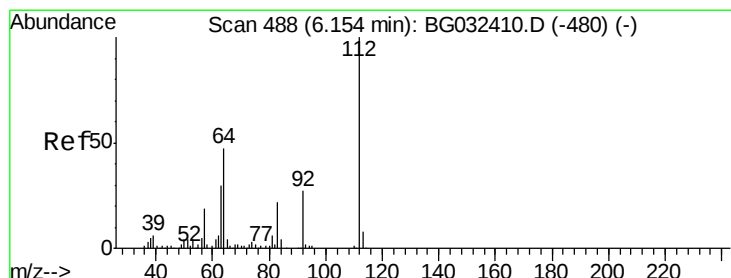
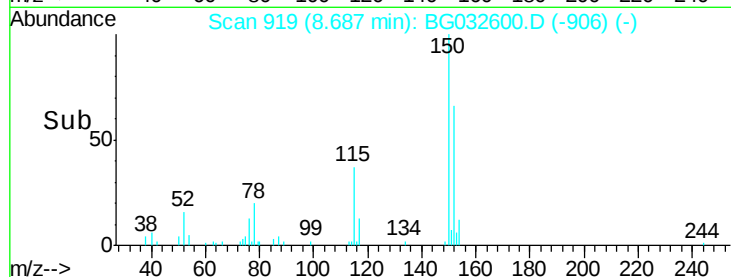
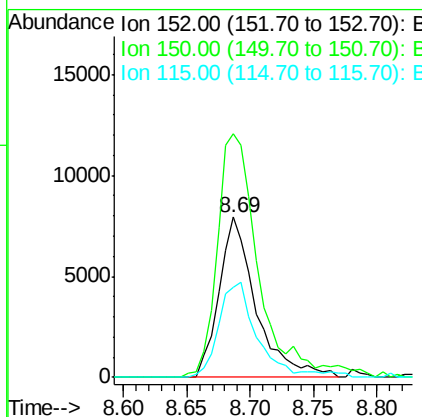
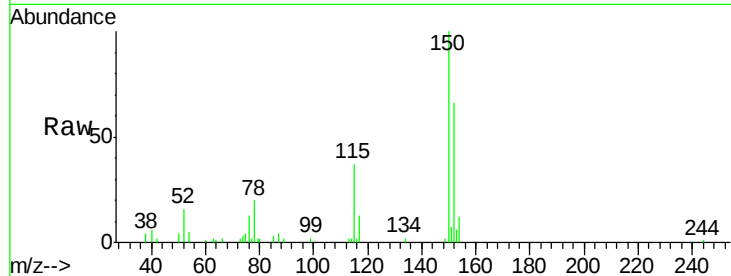


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.69 min Scan# 919
Delta R.T. -0.02 min
Lab File: BG032600.D
Acq: 7 Feb 2018 19:05

Instrument :
BNA_G
ClientSampleId :

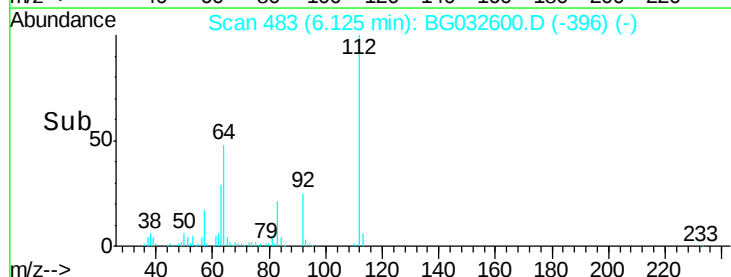
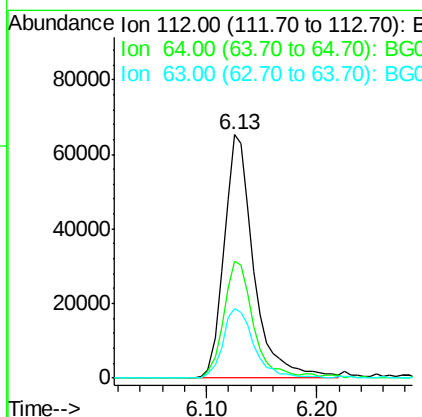
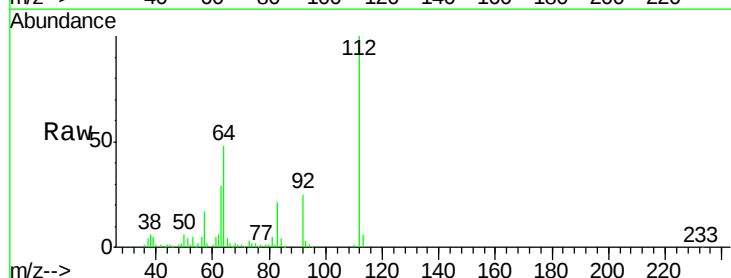
Tot Ion:152 Resp: 16055
Ion Ratio Lower Upper
152 100
150 151.9 126.6 189.8
115 55.8 53.0 79.4

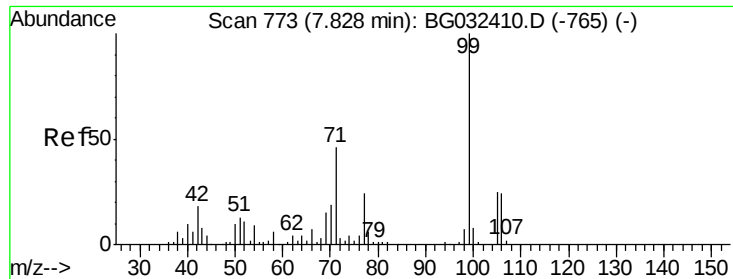


#5

2-Fluorophenol
Concen: 153.97 ng
RT: 6.13 min Scan# 483
Delta R.T. -0.02 min
Lab File: BG032600.D
Acq: 7 Feb 2018 19:05

Tgt Ion:112 Resp: 123071
Ion Ratio Lower Upper
112 100
64 47.8 56.3 84.5#
63 28.6 30.1 45.1#





#7

Phenol-d6

Concen: 95.93 ng

RT: 7.81 min Scan# 769

Delta R.T. -0.02 min

Lab File: BG032600.D

Acq: 7 Feb 2018 19:05

Instrument :

BNA_G

ClientSampleId :

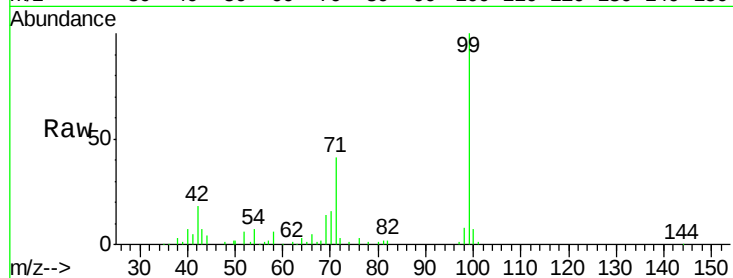
Tot Ion: 99 Resp: 102321

Ion Ratio Lower Upper

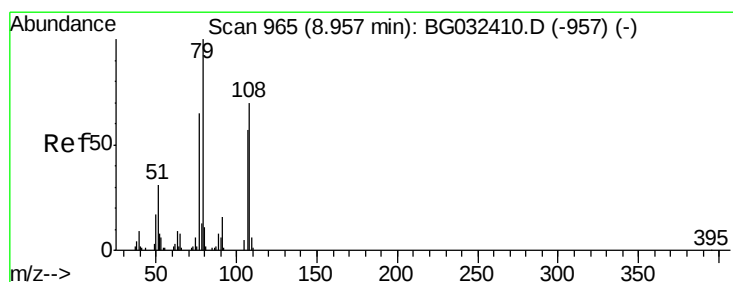
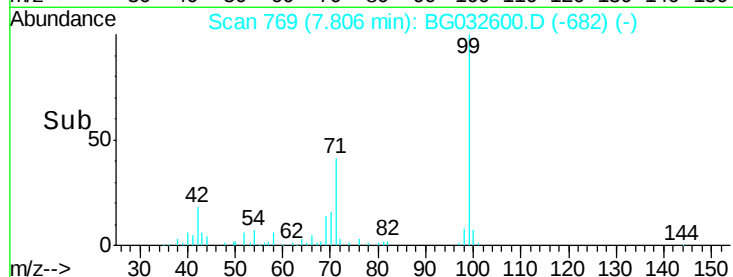
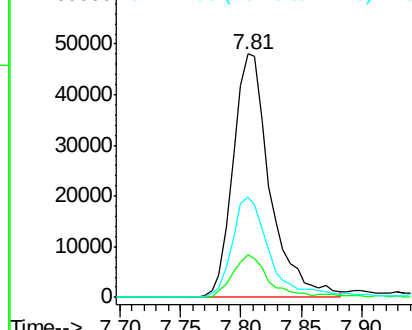
99 100

42 17.6 14.1 21.1

71 41.2 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



#15

Benzyl Alcohol

Concen: 2.09 ng

RT: 9.01 min Scan# 974

Delta R.T. 0.06 min

Lab File: BG032600.D

Acq: 7 Feb 2018 19:05

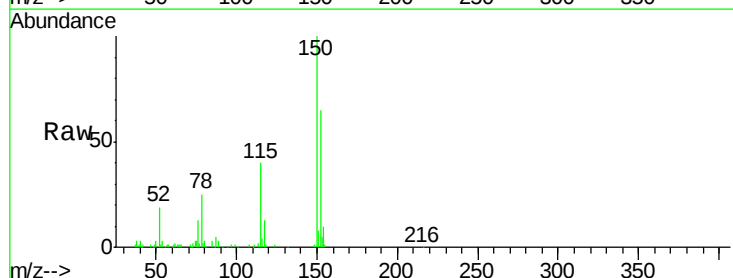
Tgt Ion: 79 Resp: 1840

Ion Ratio Lower Upper

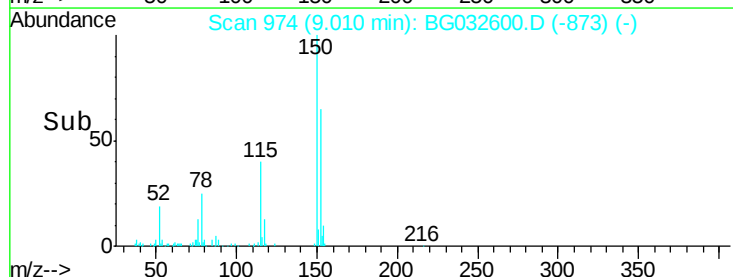
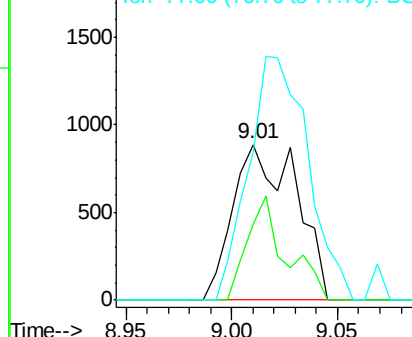
79 100

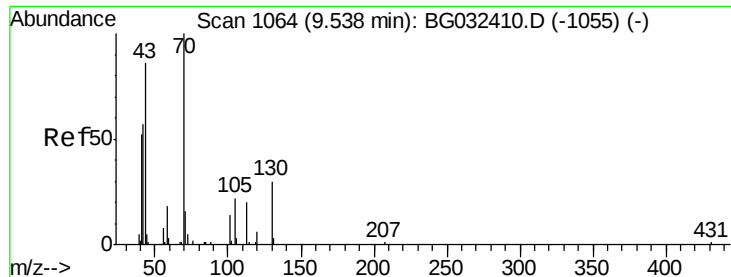
108 48.7 57.2 85.8#

77 94.4 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

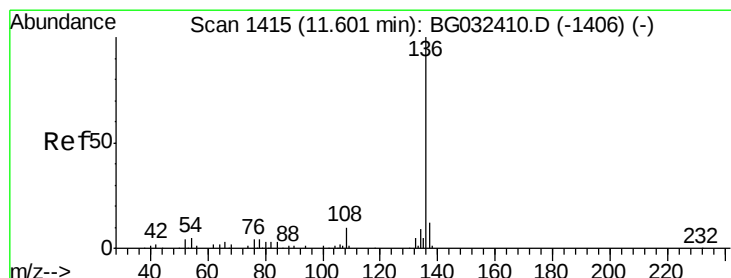
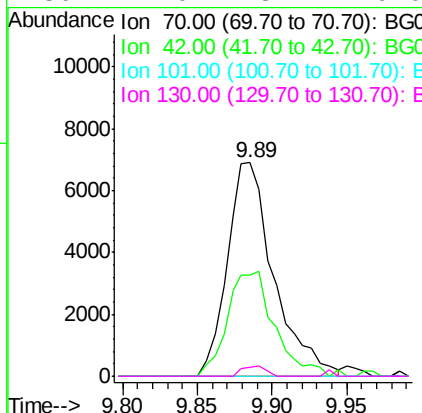
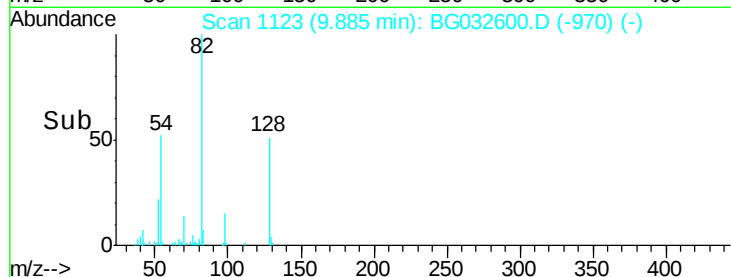
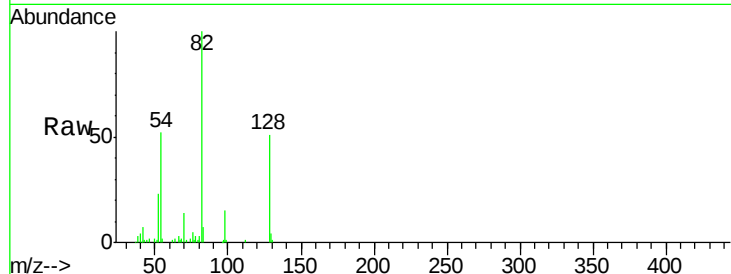




#19
n-Nitroso-di-n-propylamine
Concen: 21.12 ng
RT: 9.89 min Scan# 1123
Delta R.T. 0.37 min
Lab File: BG032600.D
Acq: 7 Feb 2018 19:05

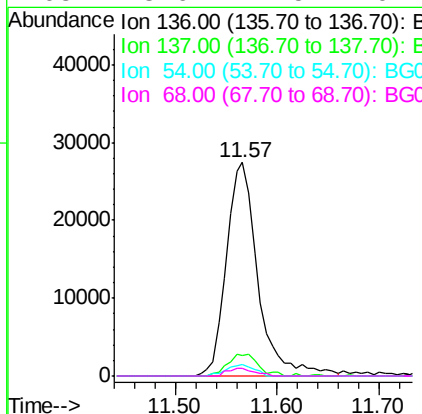
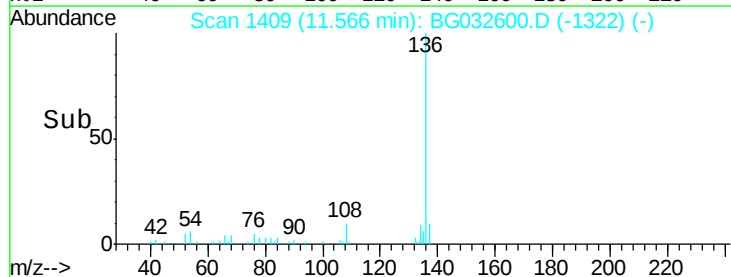
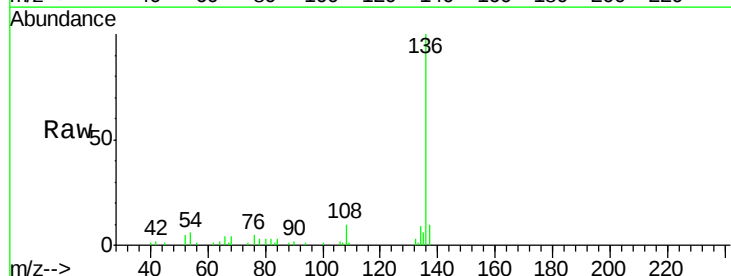
Instrument :
BNA_G
ClientSampleId :

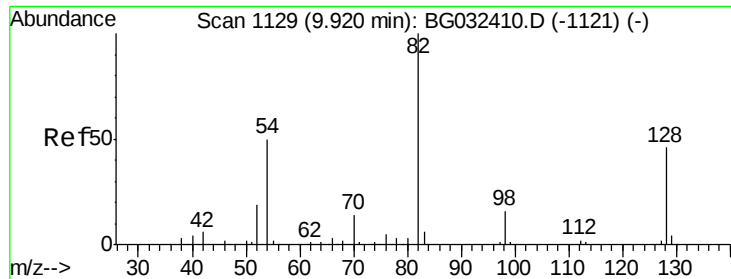
Tot Ion: 70 Resp: 14938
Ion Ratio Lower Upper
70 100
42 47.4 49.1 73.7#
101 0.0 8.5 12.7#
130 4.0 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.57 min Scan# 1409
Delta R.T. -0.02 min
Lab File: BG032600.D
Acq: 7 Feb 2018 19:05

Tgt Ion: 136 Resp: 59143
Ion Ratio Lower Upper
136 100
137 9.8 9.2 13.8
54 5.7 10.3 15.5#
68 3.6 4.5 6.7#

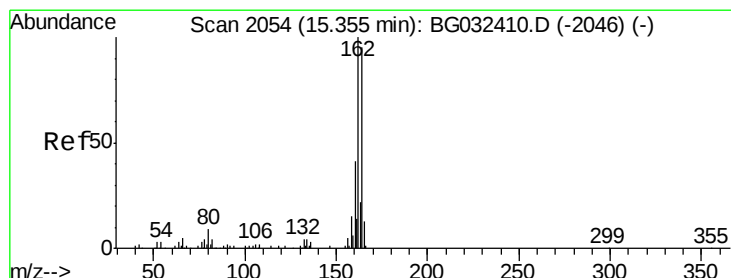
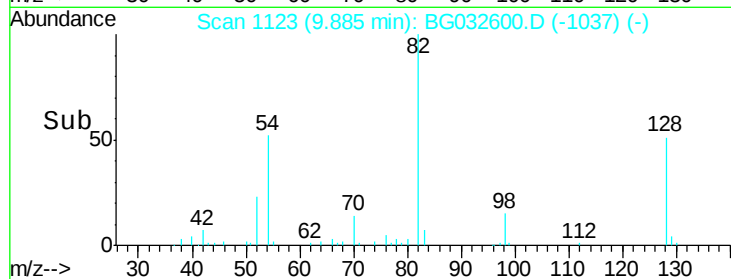
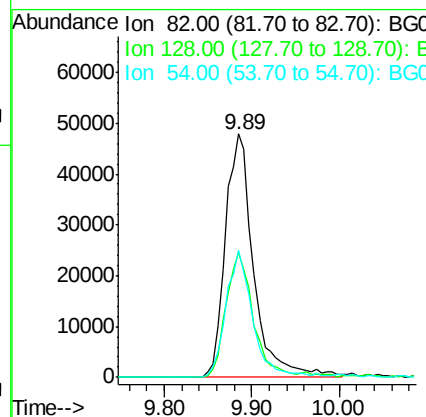
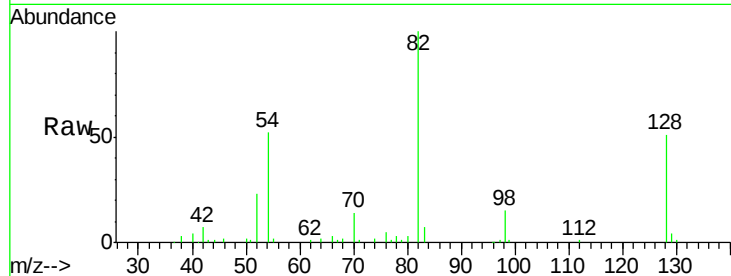




#23
 Nitrobenzene-d5
 Concen: 112.50 ng
 RT: 9.89 min Scan# 1123
 Delta R.T. -0.02 min
 Lab File: BG032600.D
 Acq: 7 Feb 2018 19:05

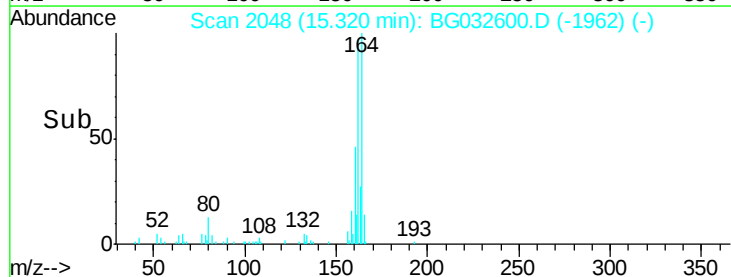
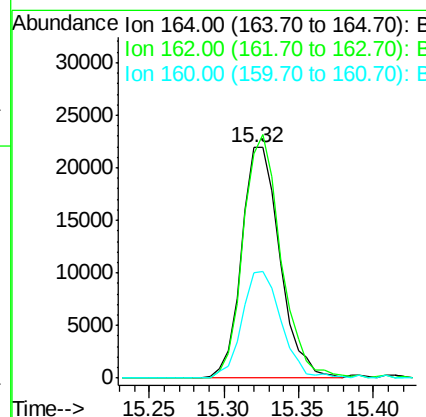
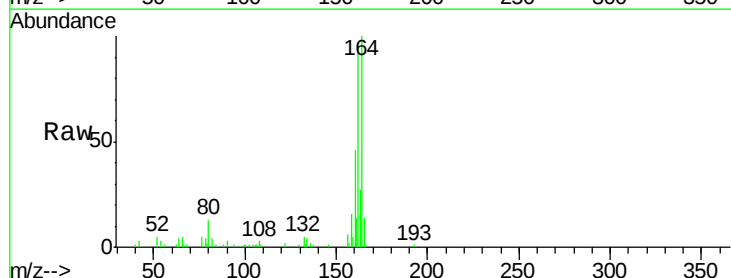
Instrument :
 BNA_G
 ClientSampleID :

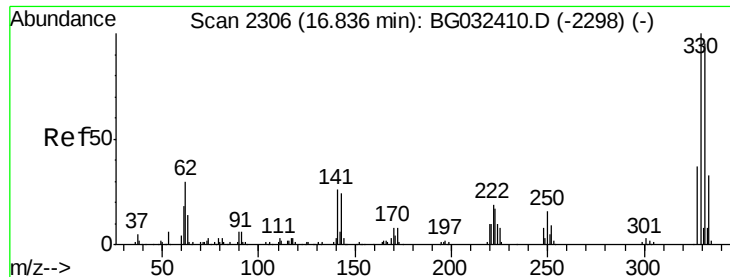
Tot Ion: 82 Resp: 106526
 Ion Ratio Lower Upper
 82 100
 128 51.2 29.7 44.5#
 54 52.3 43.1 64.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.32 min Scan# 2048
 Delta R.T. -0.02 min
 Lab File: BG032600.D
 Acq: 7 Feb 2018 19:05

Tgt Ion:164 Resp: 39013
 Ion Ratio Lower Upper
 164 100
 162 97.3 78.8 118.2
 160 45.6 35.4 53.0





#41

2,4,6-Tribromophenol

Concen: 209.07 ng

RT: 16.81 min Scan# 2301

Delta R.T. -0.01 min

Lab File: BG032600.D

Acq: 7 Feb 2018 19:05

Instrument :

BNA_G

ClientSampleId :

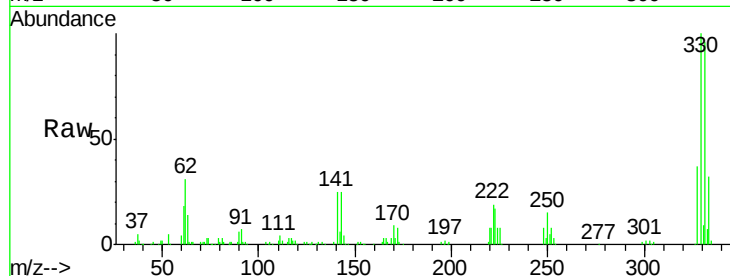
Tot Ion:330 Resp: 155261

Ion Ratio Lower Upper

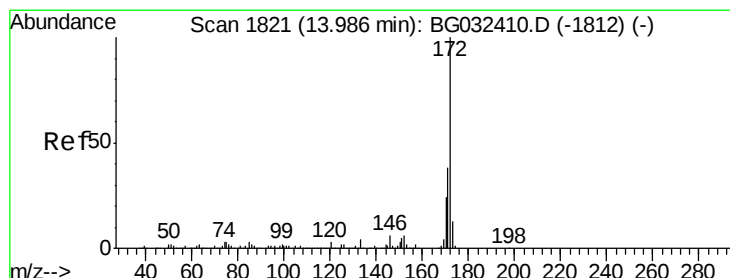
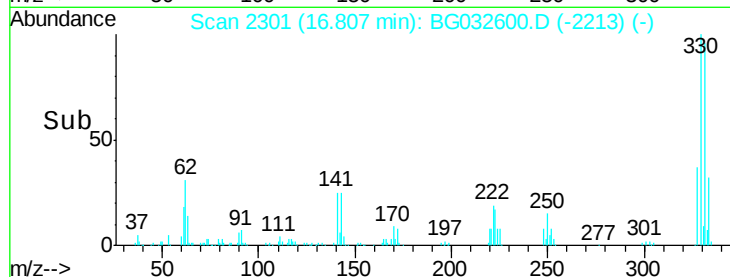
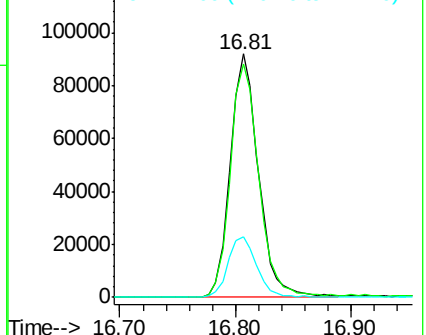
330 100

332 97.8 77.0 115.6

141 25.4 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: 125.43 ng

RT: 13.95 min Scan# 1815

Delta R.T. -0.02 min

Lab File: BG032600.D

Acq: 7 Feb 2018 19:05

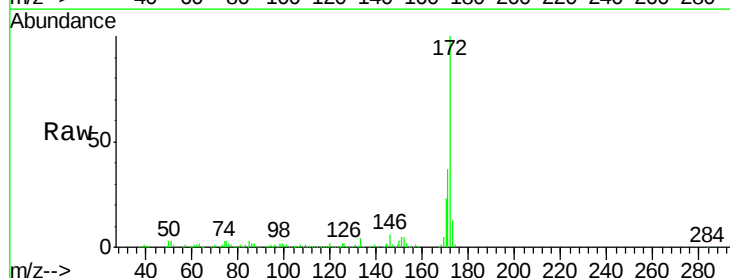
Tgt Ion:172 Resp: 411699

Ion Ratio Lower Upper

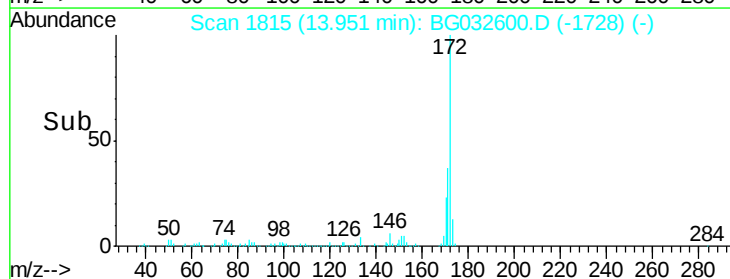
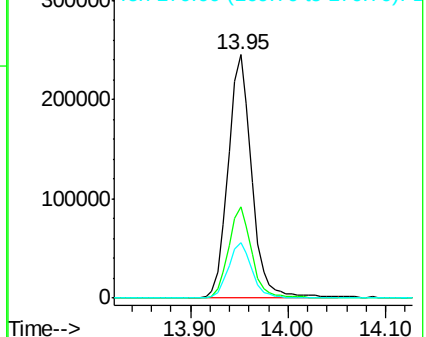
172 100

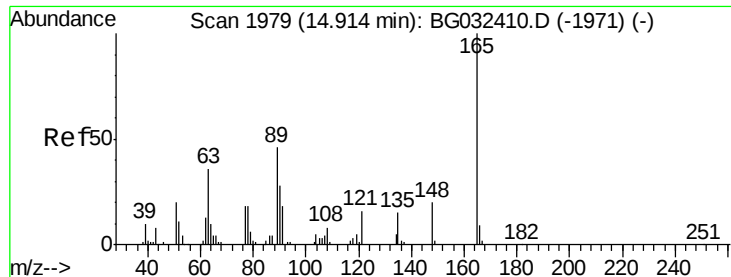
171 37.5 30.0 45.0

170 22.9 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

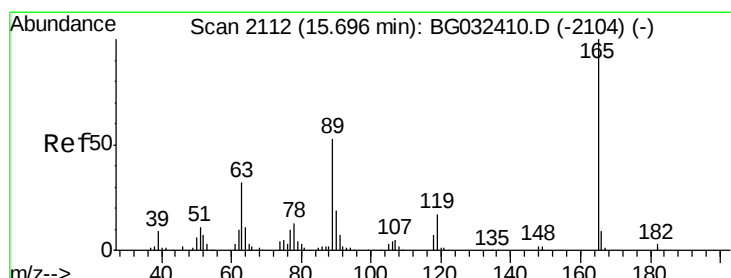
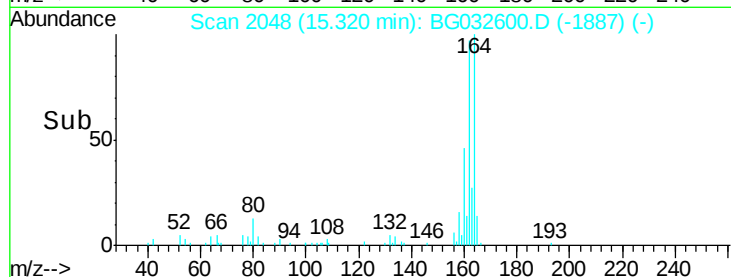
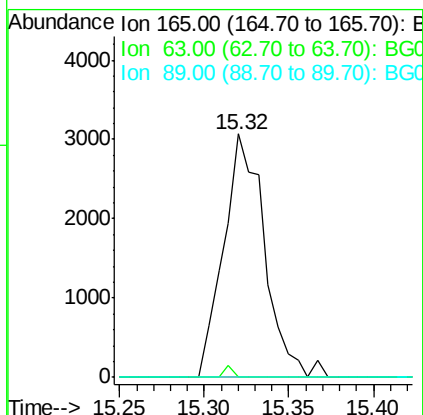
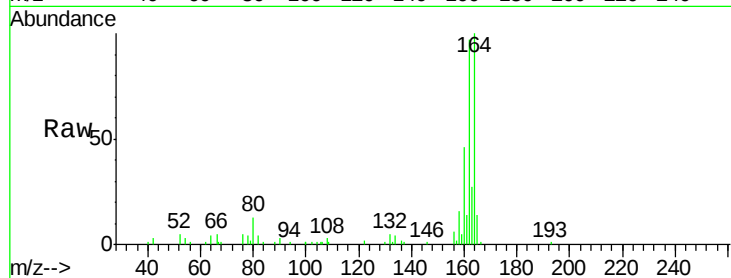




#50
2,6-Dinitrotoluene
Concen: 6.84 ng
RT: 15.32 min Scan# 2048
Delta R.T. 0.42 min
Lab File: BG032600.D
Acq: 7 Feb 2018 19:05

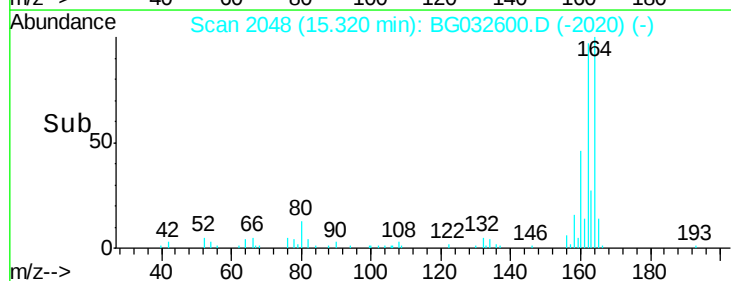
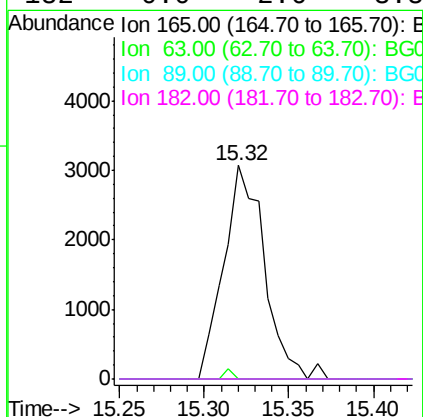
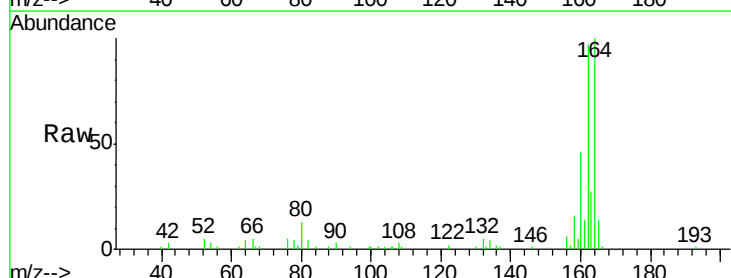
Instrument :
BNA_G
ClientSampleId :

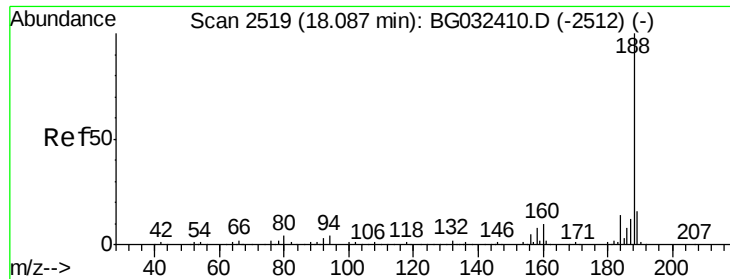
Tot Ion:165 Resp: 5167
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 4.81 ng
RT: 15.32 min Scan# 2048
Delta R.T. -0.36 min
Lab File: BG032600.D
Acq: 7 Feb 2018 19:05

Tgt Ion:165 Resp: 5167
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: 18.06 min Scan# 2515

Delta R.T. -0.01 min

Lab File: BG032600.D

Acq: 7 Feb 2018 19:05

Instrument :

BNA_G

ClientSampleId :

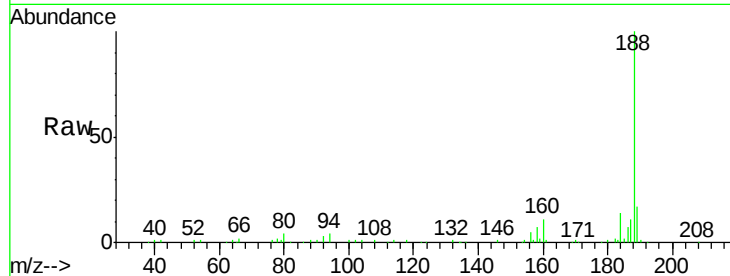
Tot Ion:188 Resp: 108667

Ion Ratio Lower Upper

188 100

94 3.6 6.9 10.3#

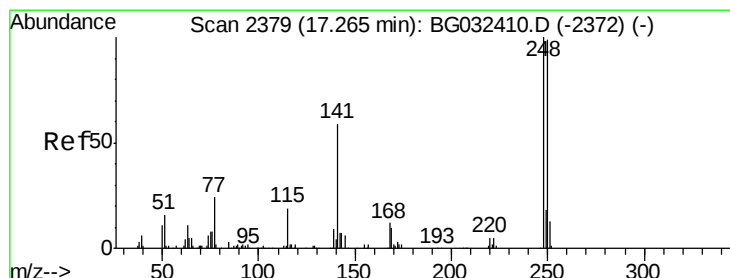
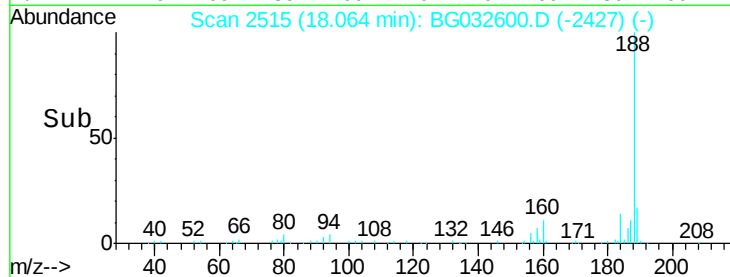
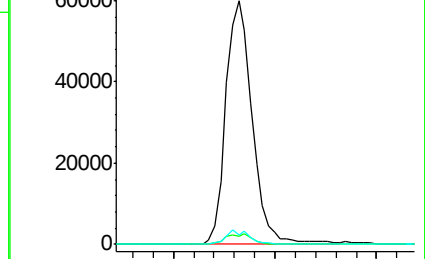
80 3.9 7.7 11.5#



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: 7.33 ng

RT: 16.81 min Scan# 2301

Delta R.T. -0.45 min

Lab File: BG032600.D

Acq: 7 Feb 2018 19:05

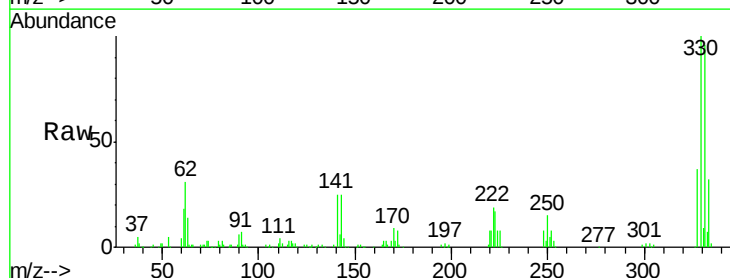
Tgt Ion:248 Resp: 11808

Ion Ratio Lower Upper

248 100

250 182.6 77.1 115.7#

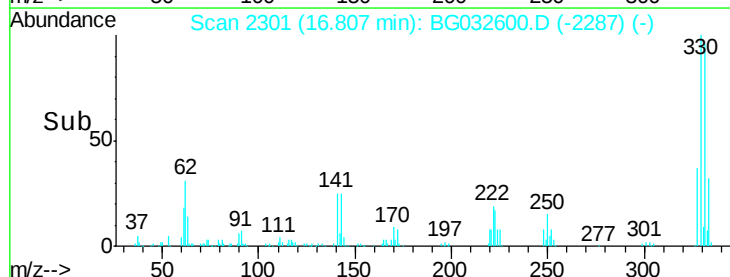
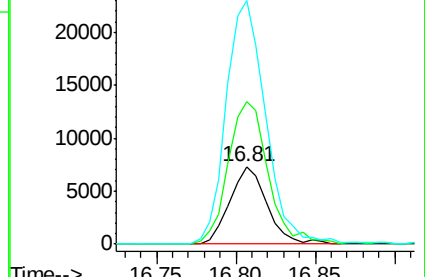
141 313.0 50.8 76.2#

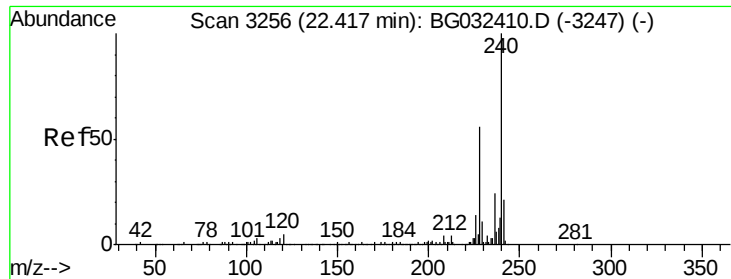


Abundance Ion 248.00 (247.70 to 248.70): E

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: 22.39 min Scan# 3252

Delta R.T. -0.01 min

Lab File: BG032600.D

Acq: 7 Feb 2018 19:05

Instrument :

BNA_G

ClientSampleId :

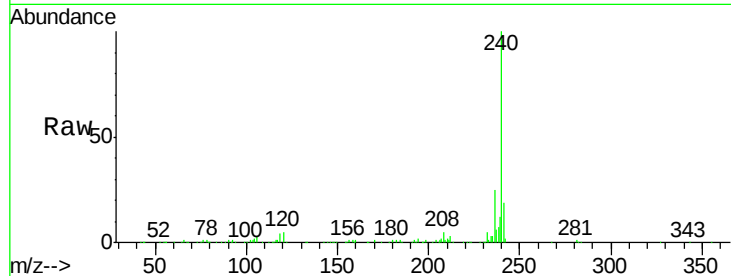
Tot Ion:240 Resp: 180070

Ion Ratio Lower Upper

240 100

120 4.8 6.8 10.2#

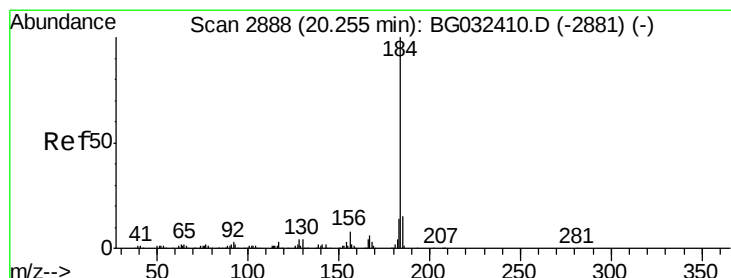
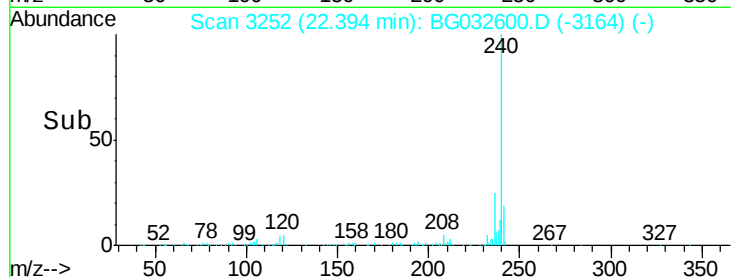
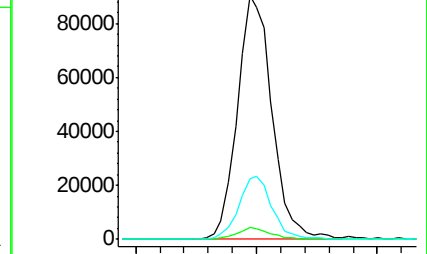
236 24.9 20.9 31.3



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: 3.28 ng

RT: 20.61 min Scan# 2948

Delta R.T. 0.36 min

Lab File: BG032600.D

Acq: 7 Feb 2018 19:05

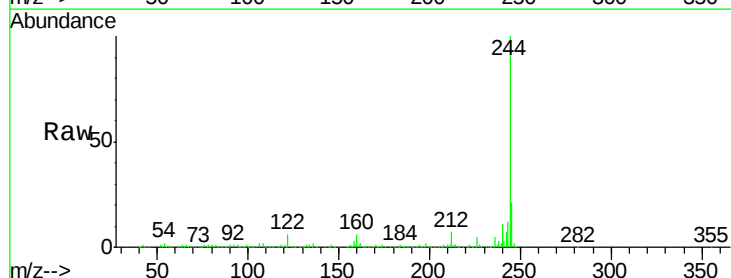
Tgt Ion:184 Resp: 11597

Ion Ratio Lower Upper

184 100

185 16.9 11.1 16.7#

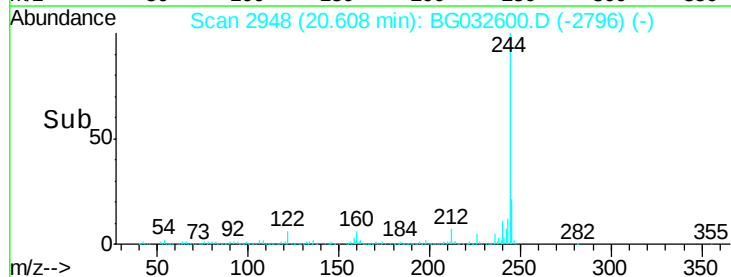
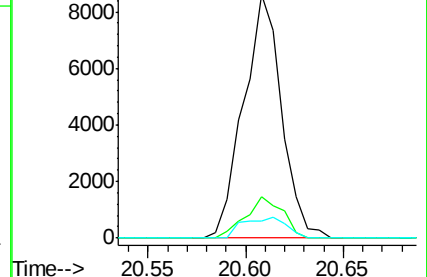
183 7.1 10.6 16.0#

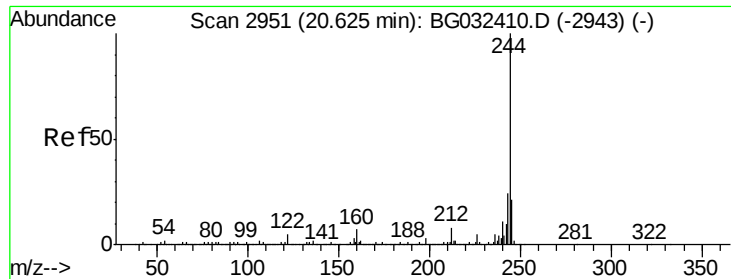


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 101.78 ng

RT: 20.61 min Scan# 2948

Delta R.T. -0.01 min

Lab File: BG032600.D

Acq: 7 Feb 2018 19:05

Instrument :

BNA_G

ClientSampleId :

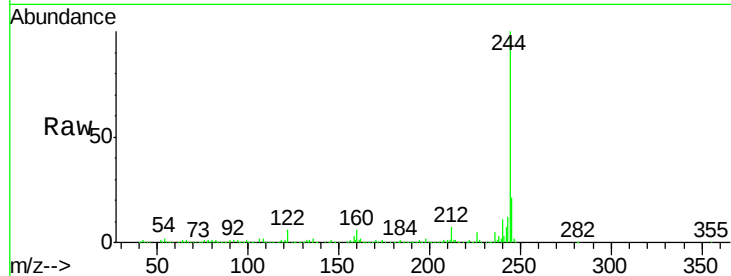
Tot Ion:244 Resp: 855622

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

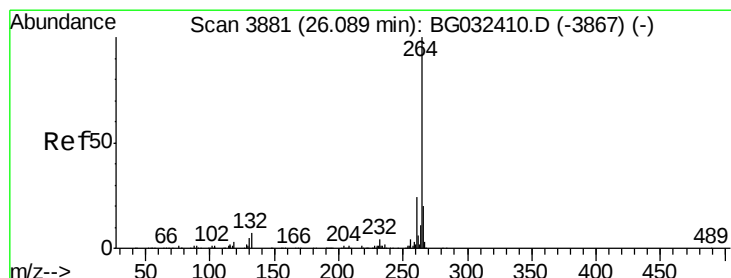
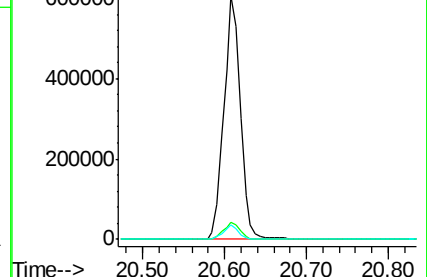
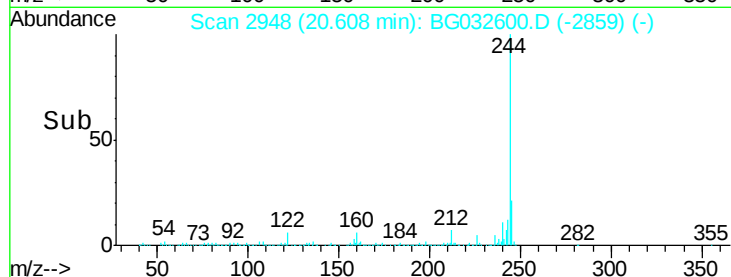
122 5.7 7.0 10.4#



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: 26.07 min Scan# 3878

Delta R.T. 0.01 min

Lab File: BG032600.D

Acq: 7 Feb 2018 19:05

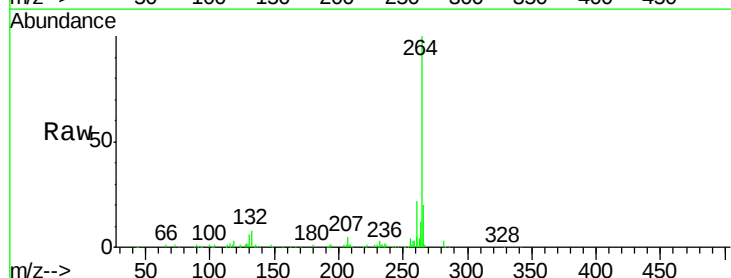
Tgt Ion:264 Resp: 199659

Ion Ratio Lower Upper

264 100

260 22.2 17.4 26.0

265 20.5 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

