

Data Path : U:\HPCHEM1\BNA G\DATA\BG020518\
 Data File : BG032541.D
 Acq On : 5 Feb 2018 19:40
 Operator : SJ/JU
 Sample : J1161-03
 Misc : MDL 1PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 06 03:21:53 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

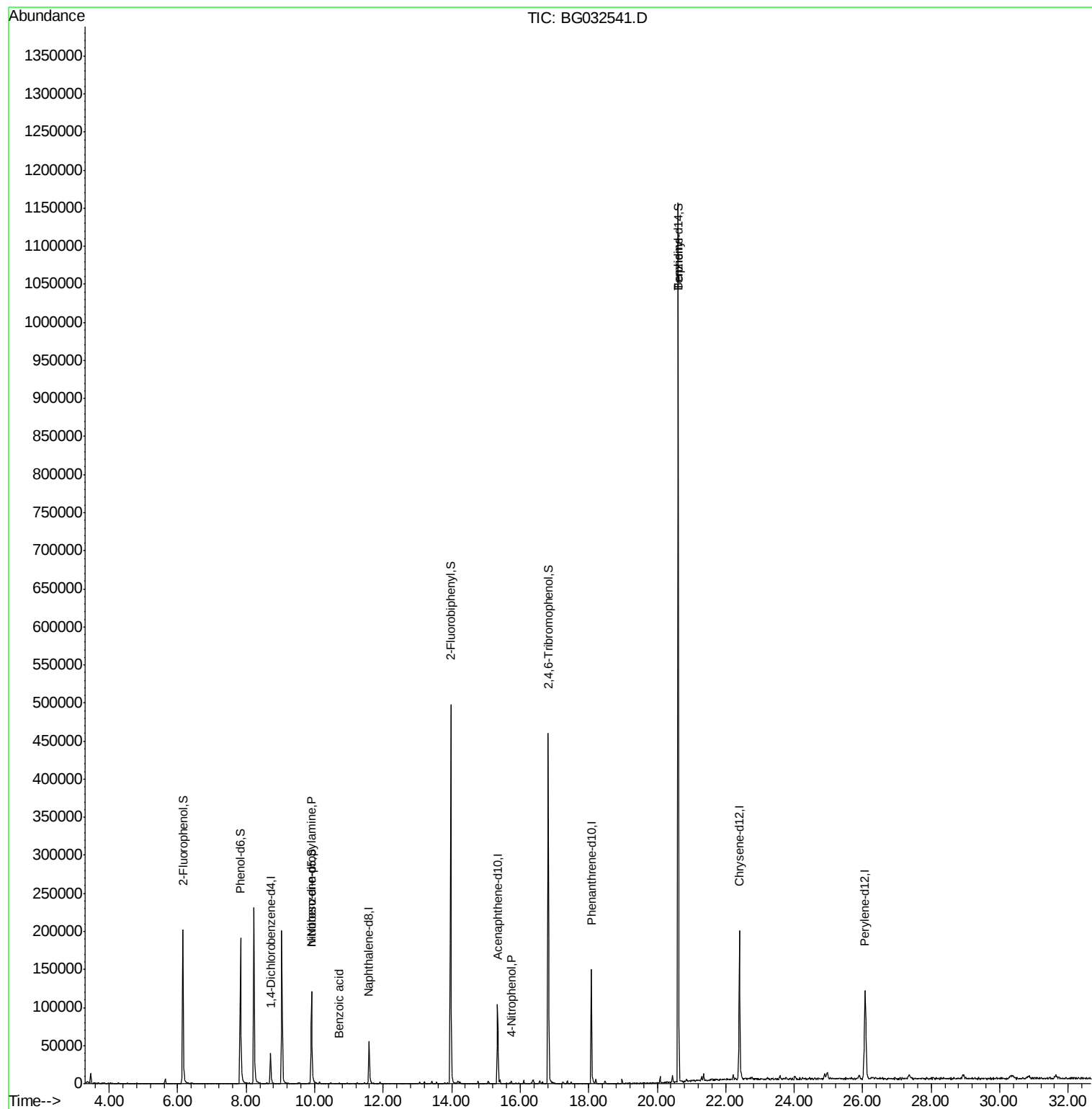
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.71	152	15503	20.00	ng	-0.02
21) Naphthalene-d8	11.59	136	61543	20.00	ng	-0.01
38) Acenaphthene-d10	15.34	164	42264	20.00	ng	-0.02
63) Phenanthrene-d10	18.08	188	112678	20.00	ng	0.00
75) Chrysene-d12	22.40	240	142338	20.00	ng	-0.02
86) Perylene-d12	26.07	264	162384	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.15	112	115486	149.62	ng	0.00
7) Phenol-d6	7.83	99	138945	134.90	ng	0.00
23) Nitrobenzene-d5	9.91	82	84897	86.16	ng	-0.02
41) 2,4,6-Tribromophenol	16.82	330	127071	157.95	ng	-0.02
44) 2-Fluorobiphenyl	13.97	172	315449	88.71	ng	-0.02
78) Terphenyl-d14	20.61	244	659123	99.19	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.91	70	11781	17.251	ng	# 68
32) Benzoic acid	10.71	122	315	7.717	ng	# 1
55) 4-Nitrophenol	15.73	139	1341	2.507	ng	# 1
76) Benzidine	20.61	184	8609	3.080	ng	# 89

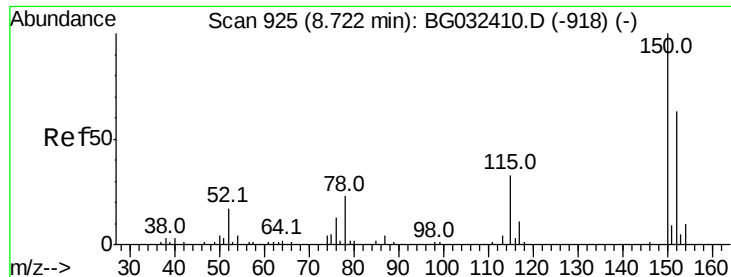
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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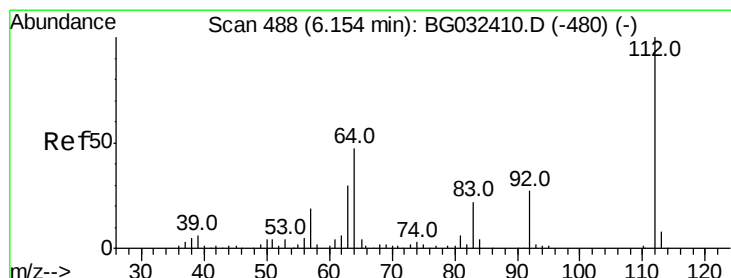
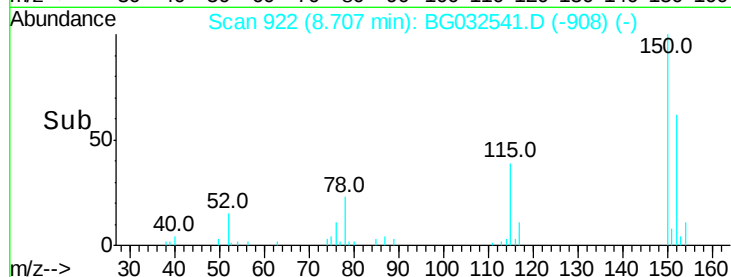
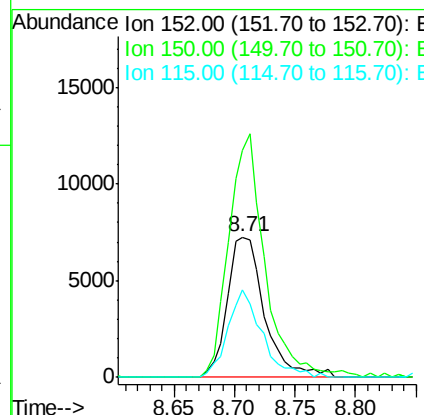
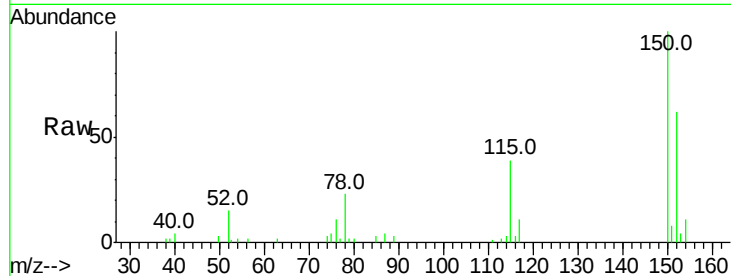


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.71 min Scan# 922
Delta R.T. -0.02 min
Lab File: BG032541.D
Acq: 5 Feb 2018 19:40

Instrument :
BNA_G
ClientSampleId :

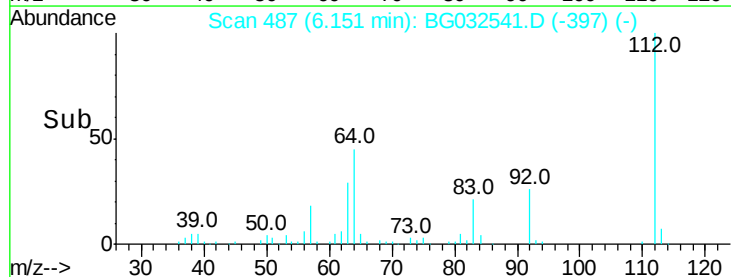
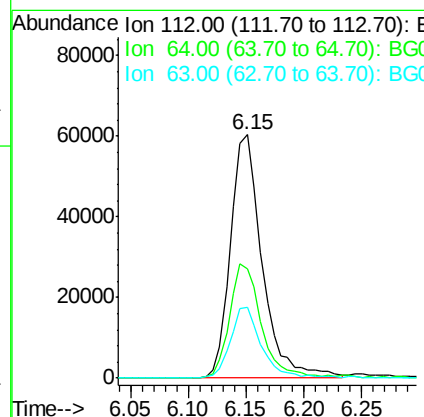
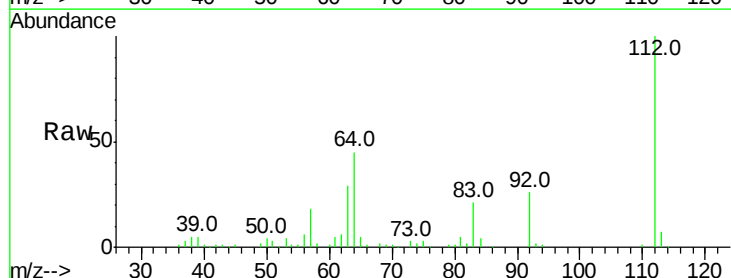
Tot Ion:152 Resp: 15503
Ion Ratio Lower Upper
152 100
150 161.9 126.6 189.8
115 62.7 53.0 79.4

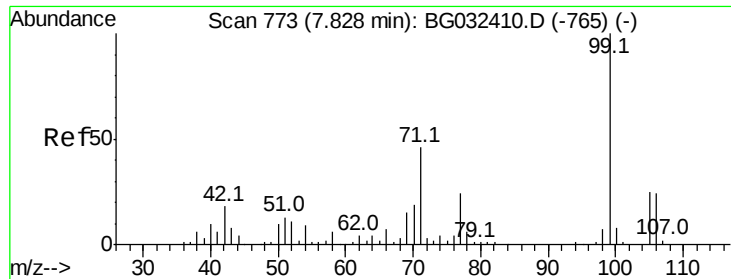


#5

2-Fluorophenol
Concen: 149.623 ng
RT: 6.15 min Scan# 487
Delta R.T. -0.00 min
Lab File: BG032541.D
Acq: 5 Feb 2018 19:40

Tgt Ion:112 Resp: 115486
Ion Ratio Lower Upper
112 100
64 44.9 56.3 84.5#
63 29.1 30.1 45.1#





#7

Phenol-d6

Concen: 134.903 ng

RT: 7.83 min Scan# 773

Delta R.T. 0.00 min

Lab File: BG032541.D

Acq: 5 Feb 2018 19:40

Instrument :

BNA_G

ClientSampleId :

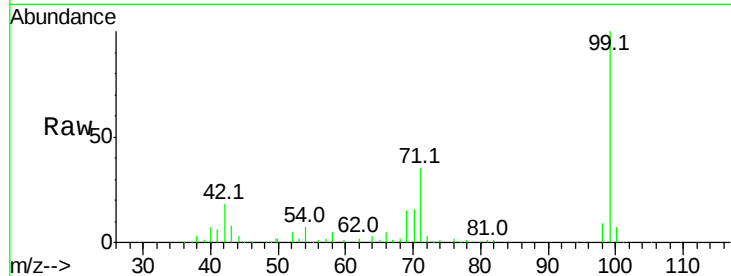
Tot Ion: 99 Resp: 138945

Ion Ratio Lower Upper

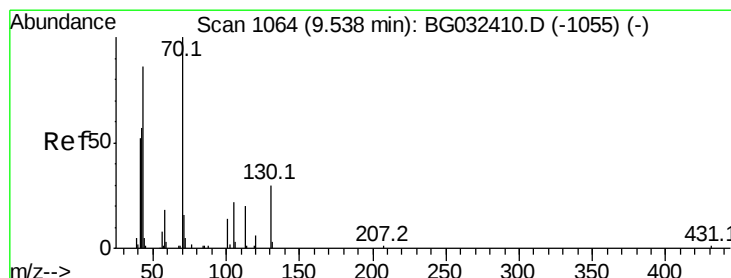
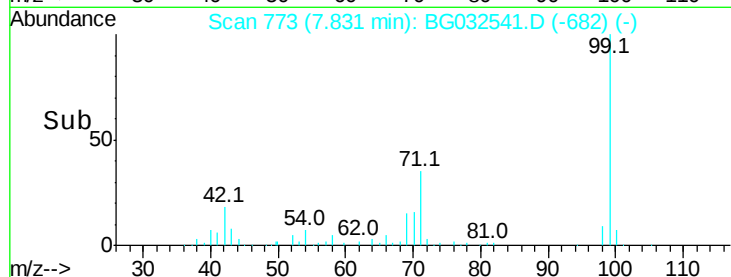
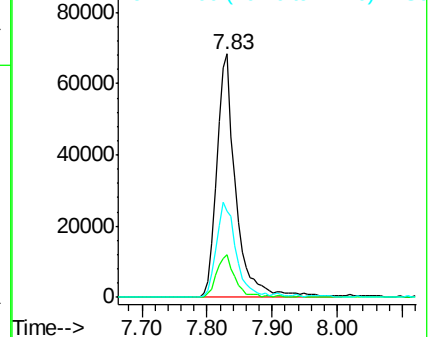
99 100

42 17.5 14.1 21.1

71 35.5 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



#19

n-Nitroso-di-n-propylamine

Concen: 17.251 ng

RT: 9.91 min Scan# 1126

Delta R.T. 0.37 min

Lab File: BG032541.D

Acq: 5 Feb 2018 19:40

Tgt Ion: 70 Resp: 11781

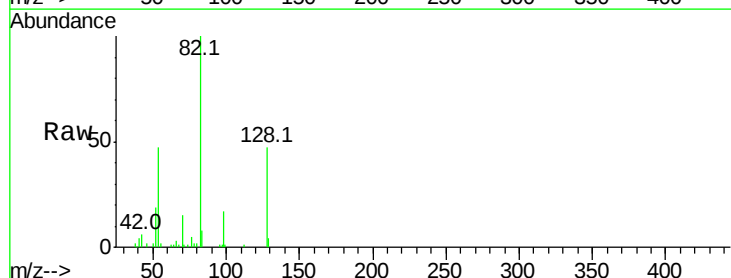
Ion Ratio Lower Upper

70 100

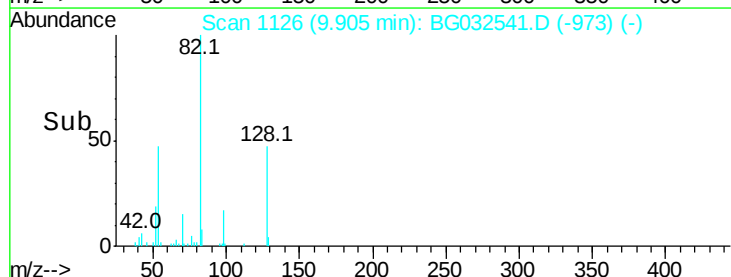
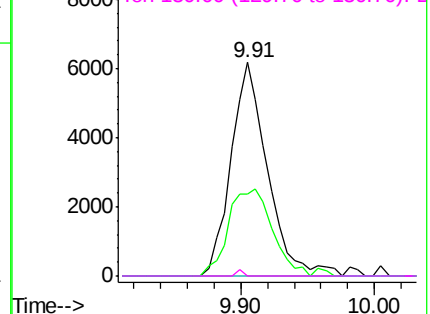
42 38.3 49.1 73.7#

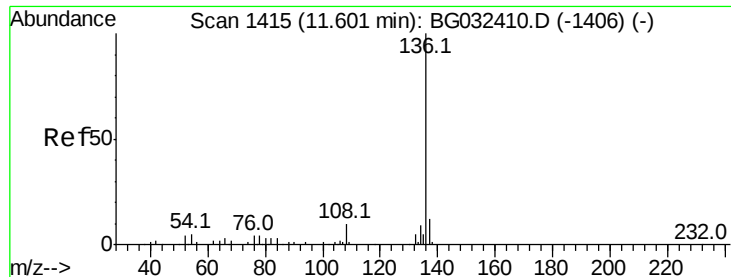
101 0.0 8.5 12.7#

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# 1412

Delta R.T. -0.01 min

Lab File: BG032541.D

Acq: 5 Feb 2018 19:40

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 61543

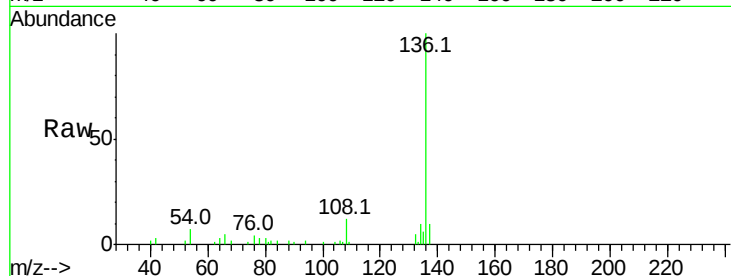
Ion Ratio Lower Upper

136 100

137 10.2 9.2 13.8

54 6.6 10.3 15.5#

68 2.1 4.5 6.7#

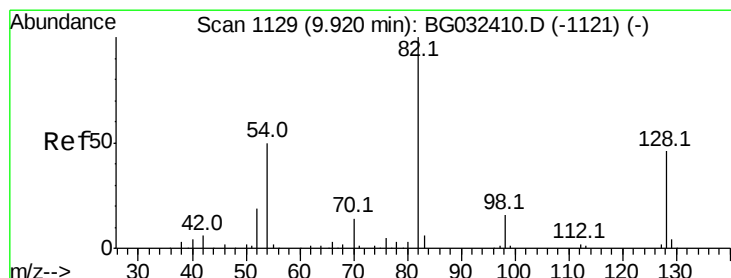
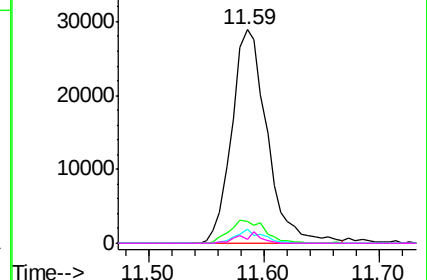
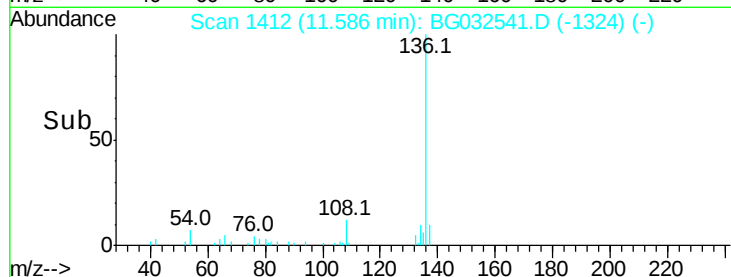


Abundance Ion 136.00 (135.70 to 136.70): E

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: 86.163 ng

RT: 9.91 min Scan# 1126

Delta R.T. -0.02 min

Lab File: BG032541.D

Acq: 5 Feb 2018 19:40

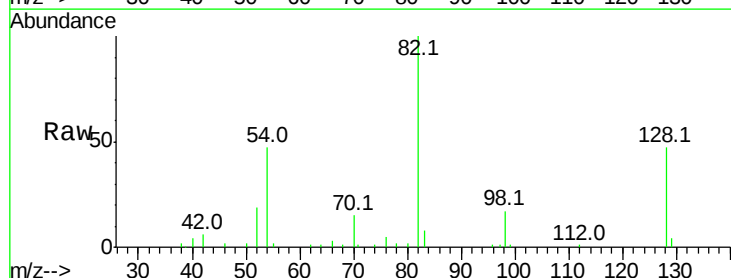
Tgt Ion: 82 Resp: 84897

Ion Ratio Lower Upper

82 100

128 47.3 29.7 44.5#

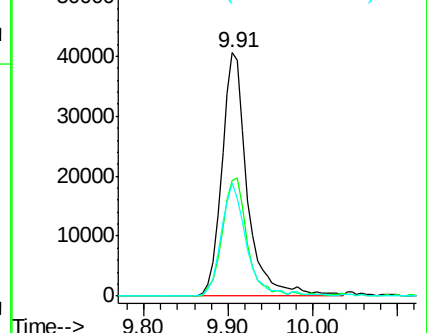
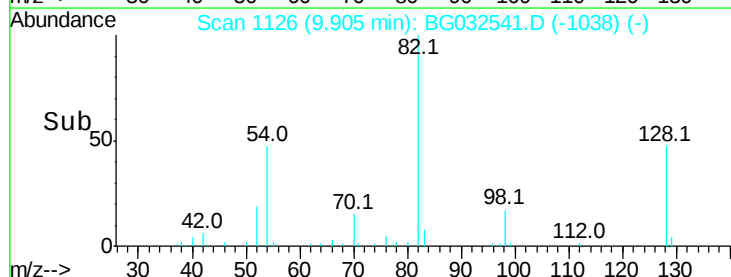
54 46.5 43.1 64.7

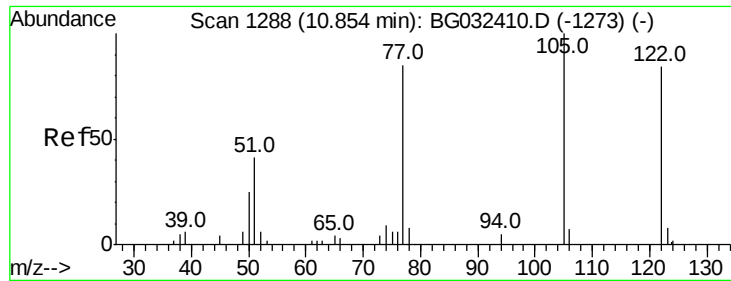


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 7.717 ng

RT: 10.71 min Scan# 1263

Delta R.T. -0.14 min

Lab File: BG032541.D

Acq: 5 Feb 2018 19:40

Instrument :

BNA_G

ClientSampled :

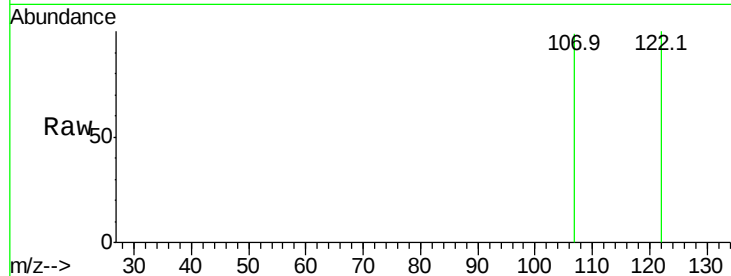
Tot Ion:122 Resp: 315

Ion Ratio Lower Upper

122 100

105 0.0 123.5 163.5#

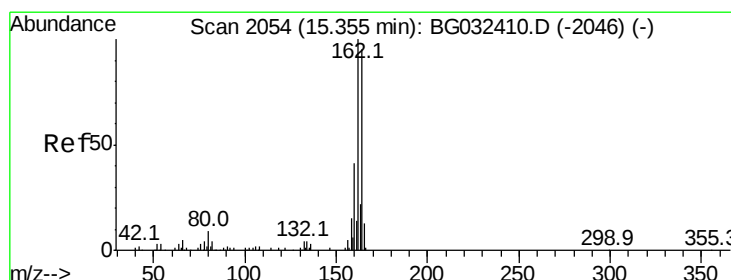
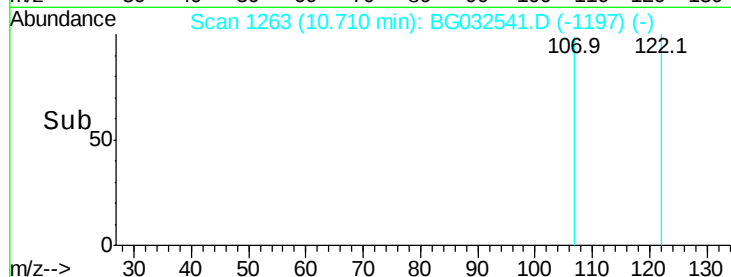
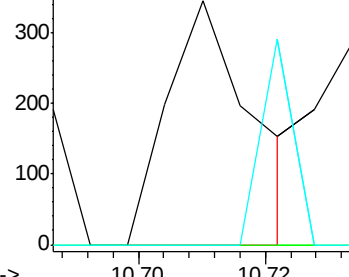
77 0.0 85.7 125.7#



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): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.34 min Scan# 2051

Delta R.T. -0.02 min

Lab File: BG032541.D

Acq: 5 Feb 2018 19:40

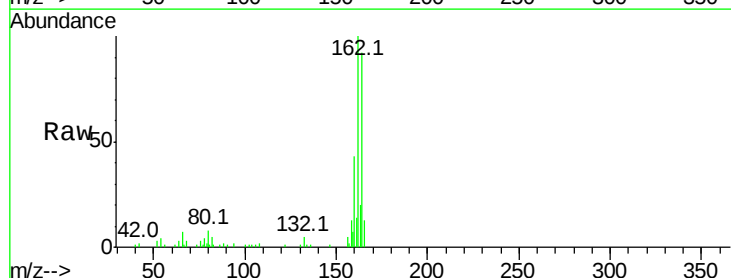
Tgt Ion:164 Resp: 42264

Ion Ratio Lower Upper

164 100

162 108.8 78.8 118.2

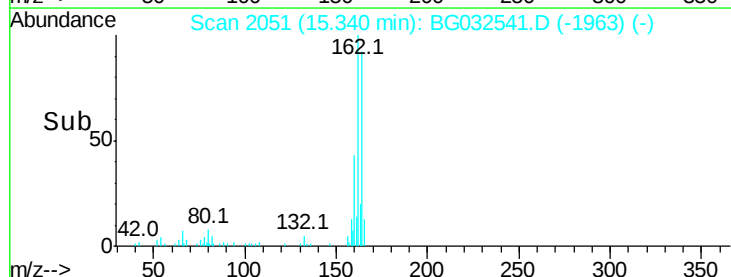
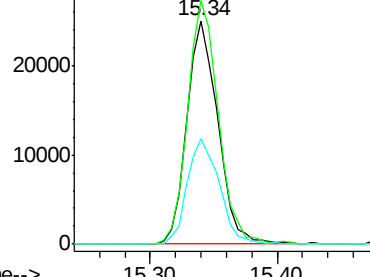
160 47.1 35.4 53.0

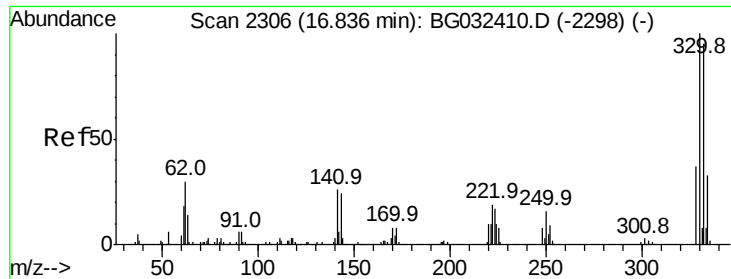


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

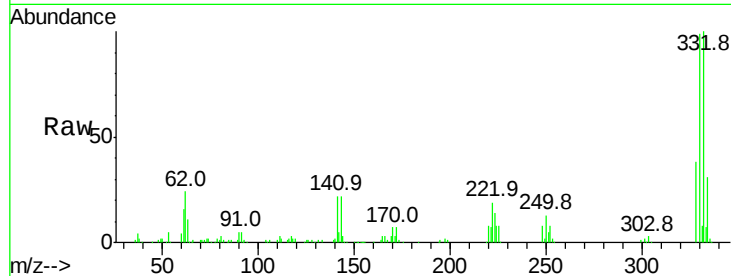




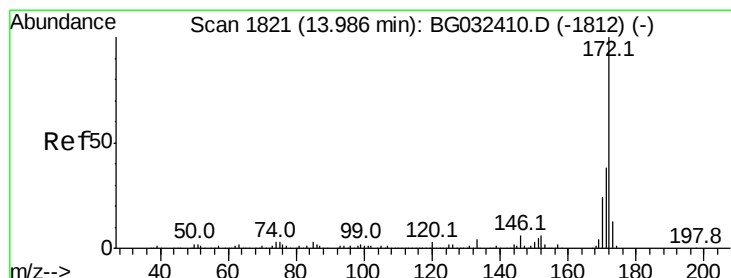
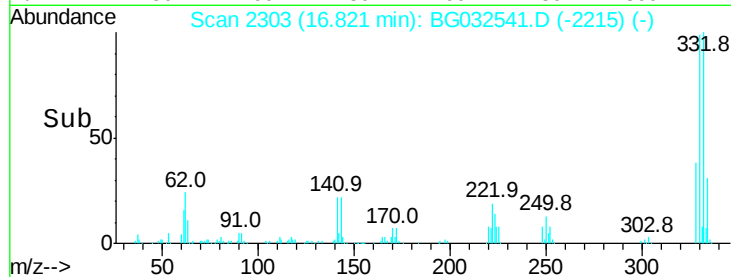
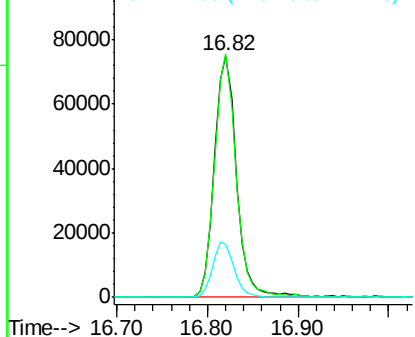
#41
 2,4,6-Tribromophenol
 Concen: 157.951 ng
 RT: 16.82 min Scan# 2303
 Delta R.T. -0.02 min
 Lab File: BG032541.D
 Acq: 5 Feb 2018 19:40

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 127071
 Ion Ratio Lower Upper
 330 100
 332 98.5 77.0 115.6
 141 22.2 25.2 37.8#

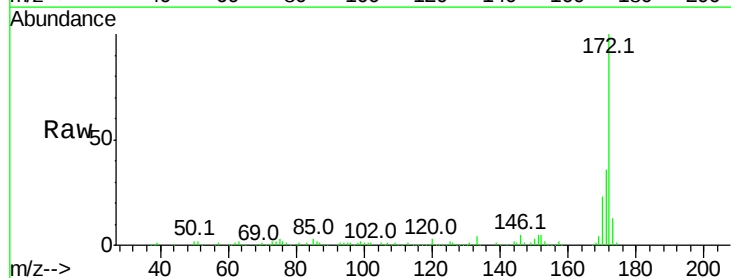


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

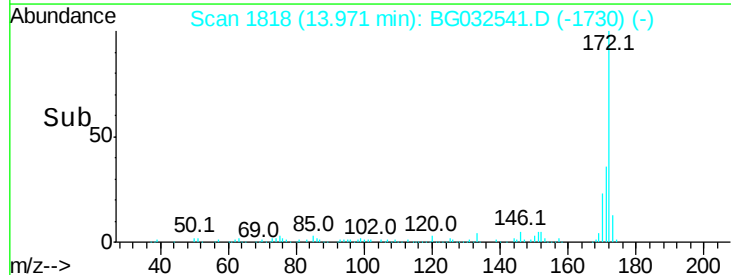
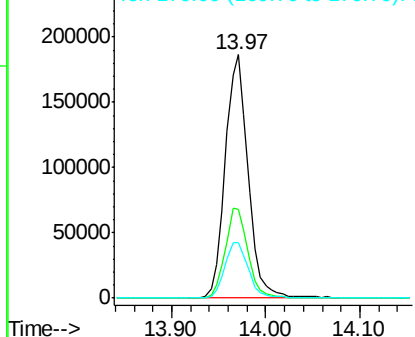


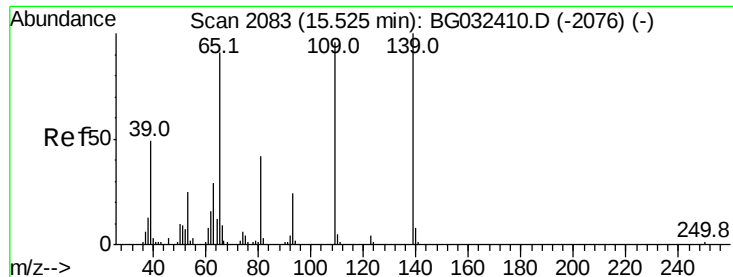
#44
 2-Fluorobiphenyl
 Concen: 88.712 ng
 RT: 13.97 min Scan# 1818
 Delta R.T. -0.02 min
 Lab File: BG032541.D
 Acq: 5 Feb 2018 19:40

Tgt Ion:172 Resp: 315449
 Ion Ratio Lower Upper
 172 100
 171 36.2 30.0 45.0
 170 22.7 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





#55

4-Nitrophenol

Concen: 2.507 ng

RT: 15.73 min Scan# 2118

Delta R.T. 0.21 min

Lab File: BG032541.D

Acq: 5 Feb 2018 19:40

Instrument :

BNA_G

ClientSampleId :

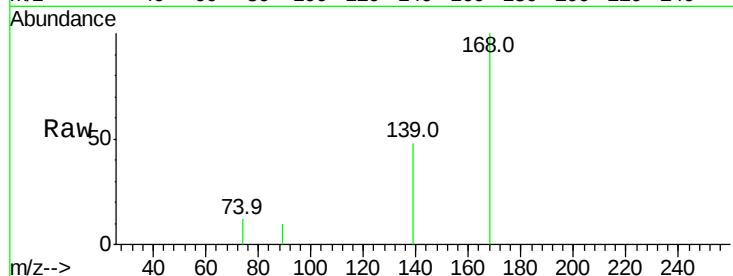
Tot Ion:139 Resp: 1341

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

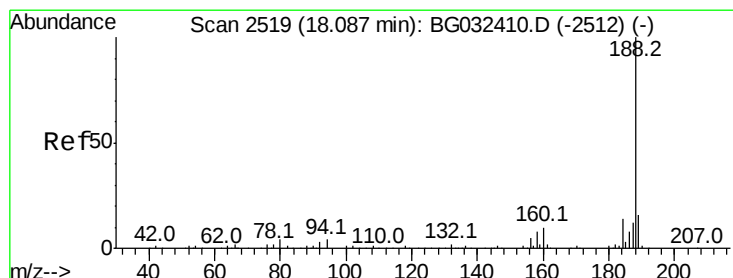
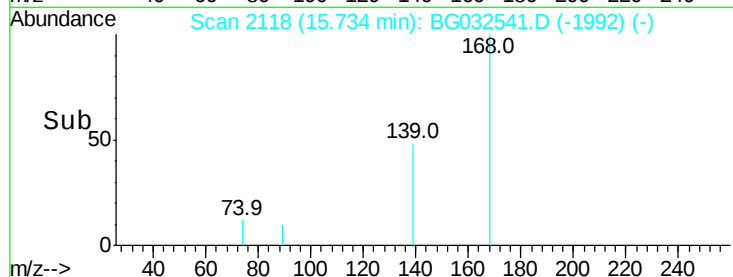
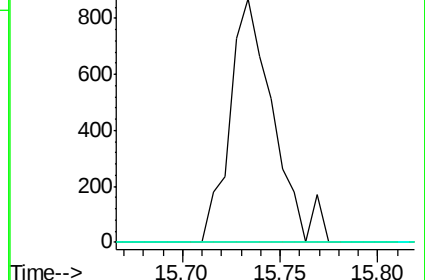
65 0.0 97.2 137.2#



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.08 min Scan# 2517

Delta R.T. -0.01 min

Lab File: BG032541.D

Acq: 5 Feb 2018 19:40

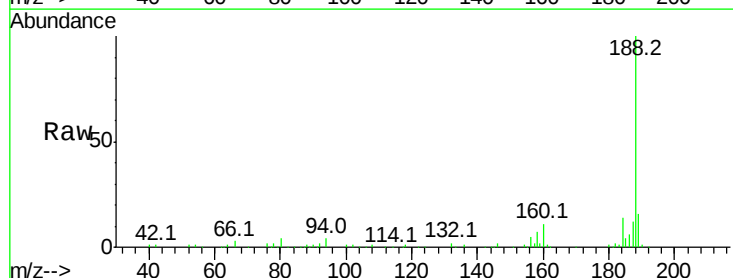
Tgt Ion:188 Resp: 112678

Ion Ratio Lower Upper

188 100

94 4.5 6.9 10.3#

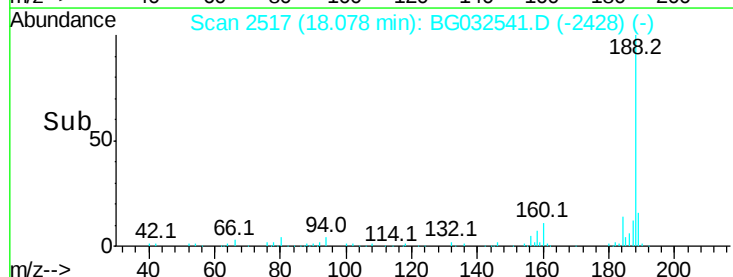
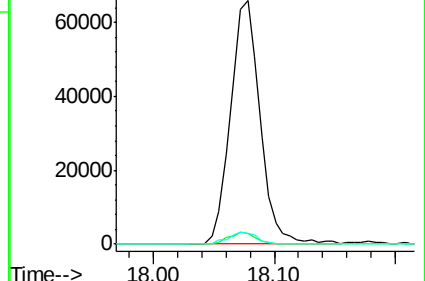
80 4.3 7.7 11.5#

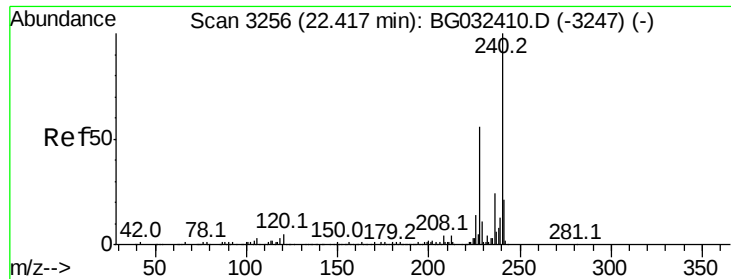


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.40 min Scan# 3253

Delta R.T. -0.02 min

Lab File: BG032541.D

Acq: 5 Feb 2018 19:40

Instrument :

BNA_G

ClientSampleId :

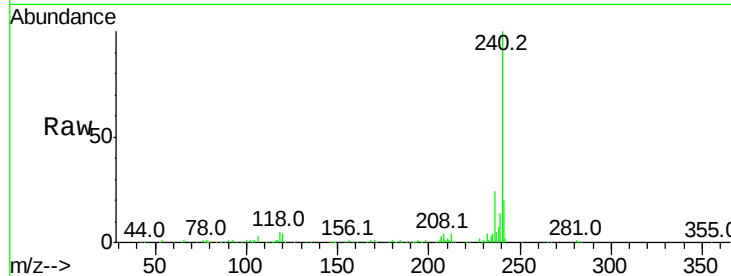
Tot Ion:240 Resp: 142338

Ion Ratio Lower Upper

240 100

120 4.2 6.8 10.2#

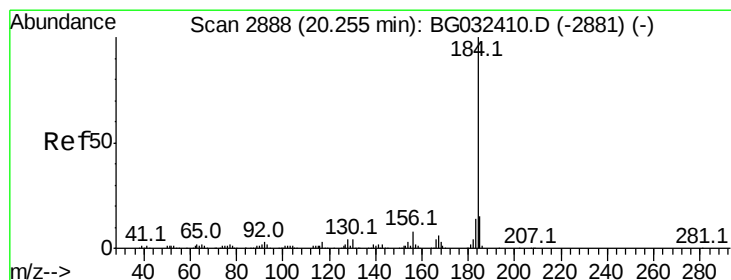
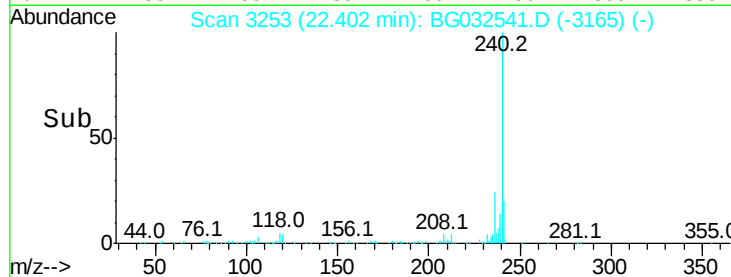
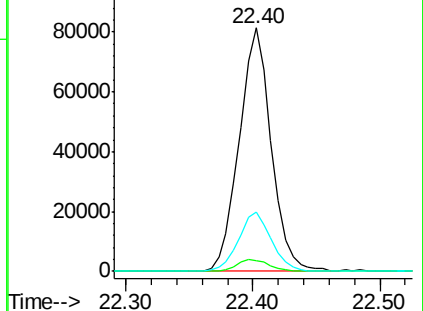
236 24.2 20.9 31.3



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: 3.080 ng

RT: 20.61 min Scan# 2948

Delta R.T. 0.36 min

Lab File: BG032541.D

Acq: 5 Feb 2018 19:40

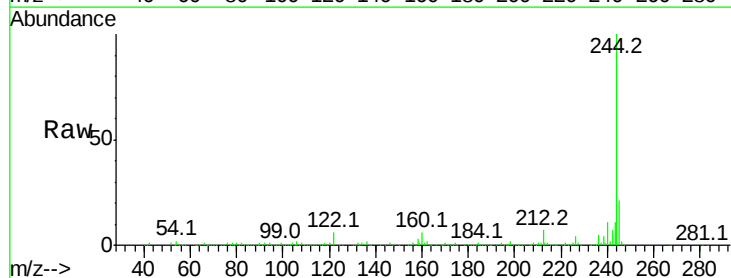
Tgt Ion:184 Resp: 8609

Ion Ratio Lower Upper

184 100

185 11.6 11.1 16.7

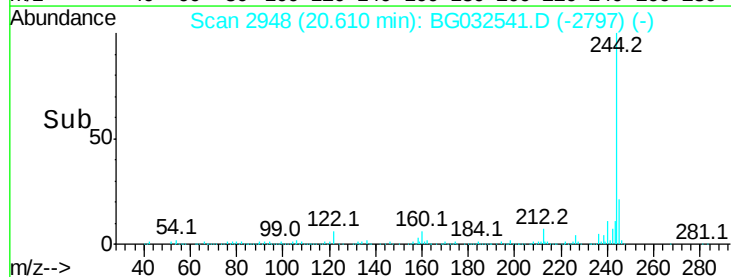
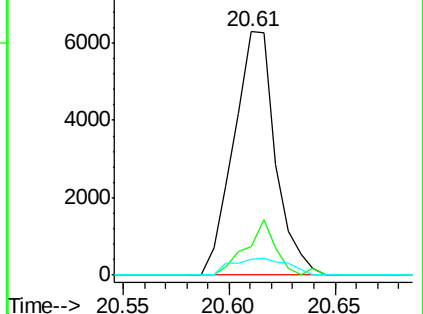
183 6.5 10.6 16.0#

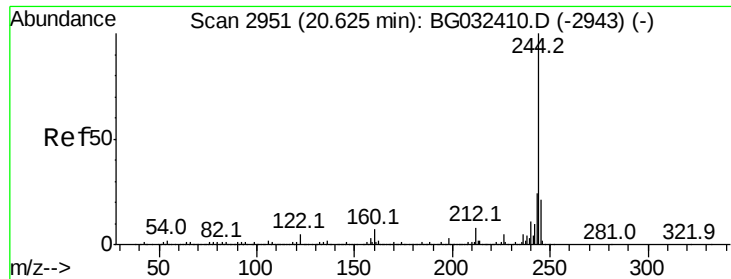


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 99.193 ng

RT: 20.61 min Scan# 2948

Delta R.T. -0.02 min

Lab File: BG032541.D

Acq: 5 Feb 2018 19:40

Instrument :

BNA_G

ClientSampleId :

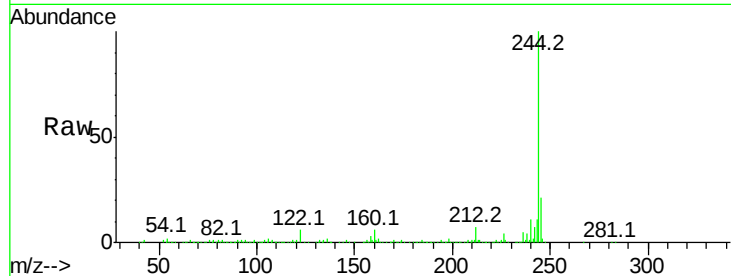
Tot Ion:244 Resp: 659123

Ion Ratio Lower Upper

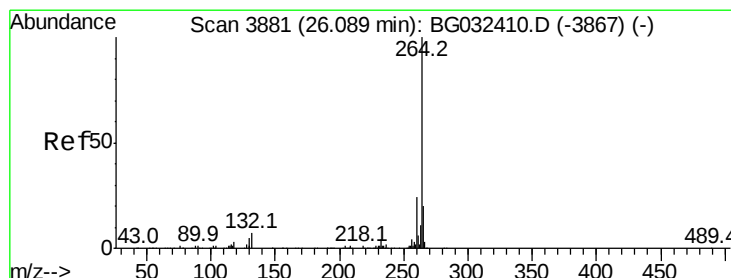
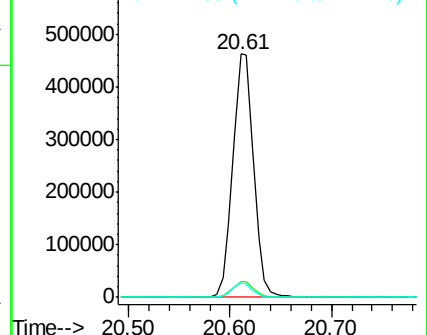
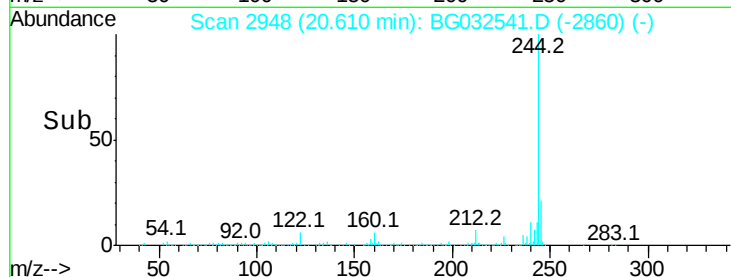
244 100

212 6.7 5.8 8.8

122 6.0 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: 26.07 min Scan# 3877

Delta R.T. -0.02 min

Lab File: BG032541.D

Acq: 5 Feb 2018 19:40

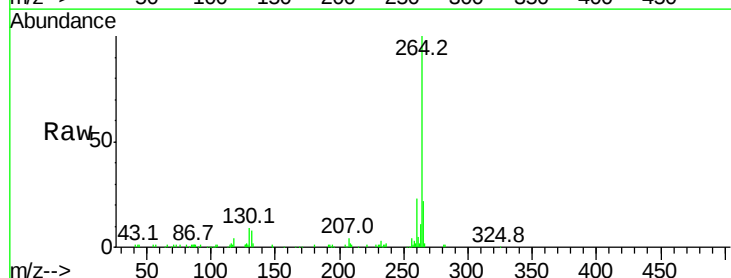
Tgt Ion:264 Resp: 162384

Ion Ratio Lower Upper

264 100

260 23.2 17.4 26.0

265 21.9 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

