

Data Path : U:\HPCHEM1\BNA G\DATA\BG020518\
 Data File : BG032551.D
 Acq On : 6 Feb 2018 1:55
 Operator : SJ/JU
 Sample : J1453-04
 Misc : MDL8PPM
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 06 03:25:43 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

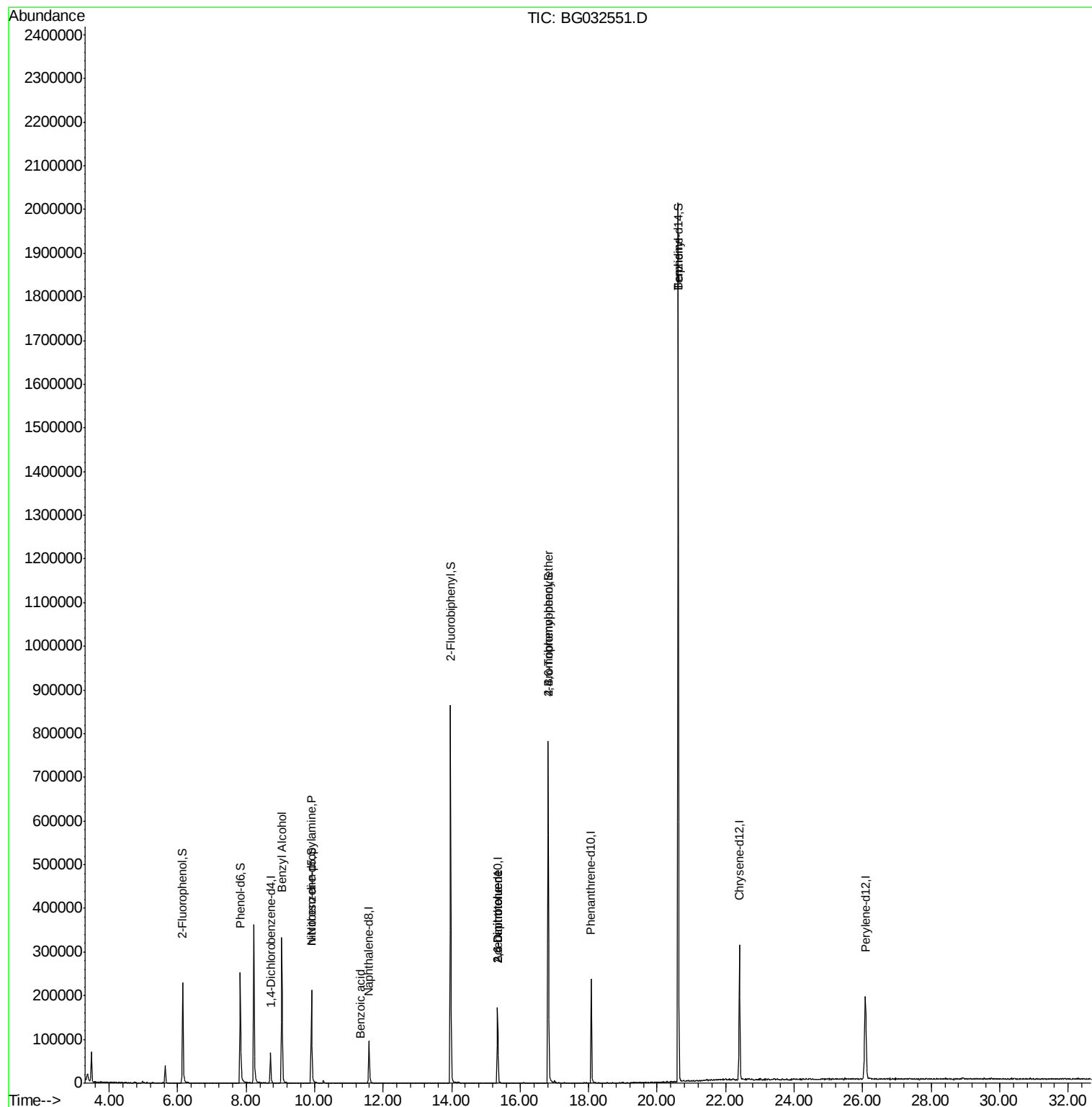
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.71	152	23947	20.00	ng	-0.01
21) Naphthalene-d8	11.59	136	103590	20.00	ng	-0.01
38) Acenaphthene-d10	15.34	164	68416	20.00	ng	-0.01
63) Phenanthrene-d10	18.07	188	182373	20.00	ng	-0.01
75) Chrysene-d12	22.40	240	240448	20.00	ng	-0.01
86) Perylene-d12	26.08	264	278289	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.15	112	128775	108.01	ng	0.00
7) Phenol-d6	7.83	99	171912	108.06	ng	0.00
23) Nitrobenzene-d5	9.91	82	143422	86.48	ng	-0.01
41) 2,4,6-Tribromophenol	16.82	330	202268	155.32	ng	-0.01
44) 2-Fluorobiphenyl	13.97	172	542963	94.33	ng	-0.02
78) Terphenyl-d14	20.62	244	1134828	101.10	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.04	79	3149	2.402	ng	# 47
19) n-Nitroso-di-n-propylamine	9.91	70	21757	20.625	ng	# 74
32) Benzoic acid	11.34	122	69	7.340	ng	# 1
50) 2,6-Dinitrotoluene	15.34	165	8820	6.661	ng	# 18
56) 2,4-Dinitrotoluene	15.34	165	8821	4.679	ng	# 16
66) 4-Bromophenyl-phenylether	16.82	248	15793	5.845	ng	# 1
76) Benzidine	20.62	184	16492	3.493	ng	# 93

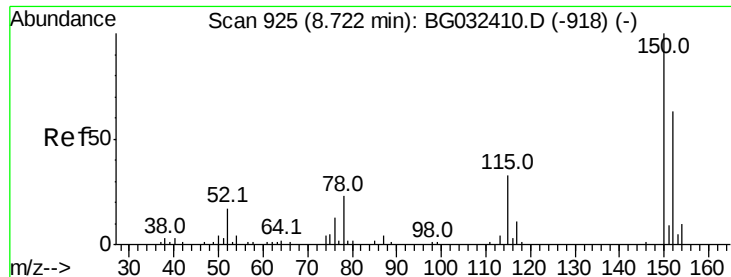
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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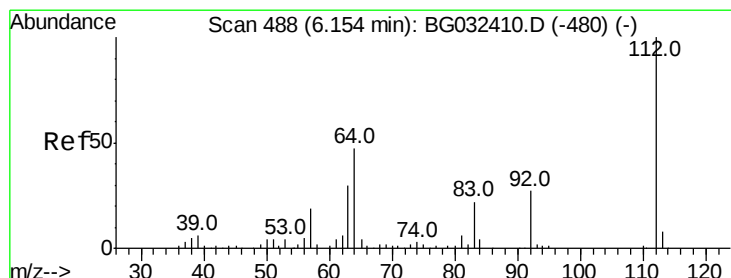
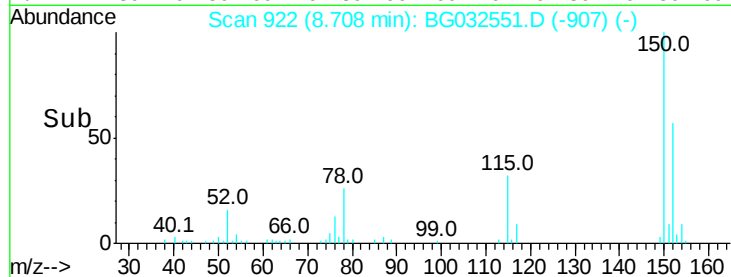
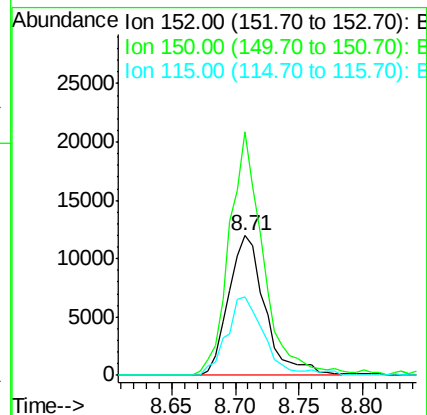
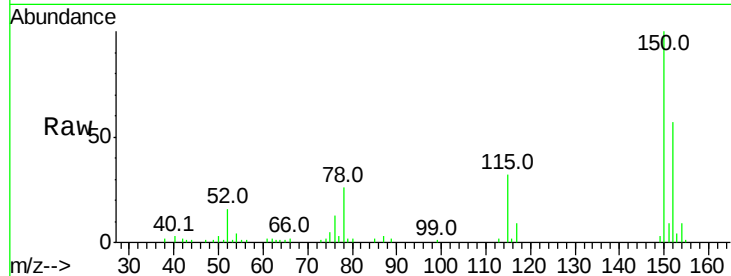


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.71 min Scan# 922
Delta R.T. -0.01 min
Lab File: BG032551.D
Acq: 6 Feb 2018 1:55

Instrument :
BNA_G
ClientSampleId :

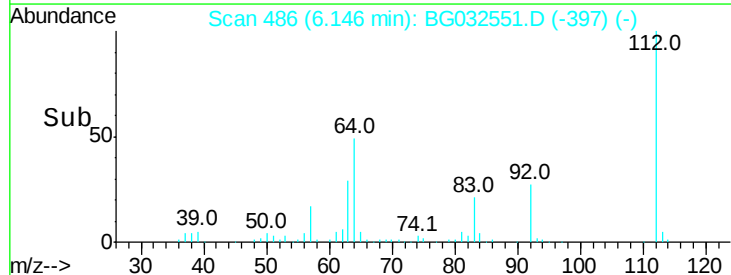
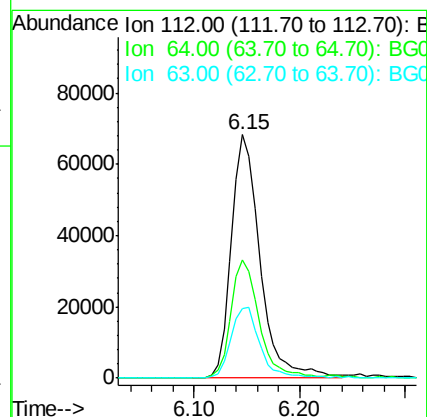
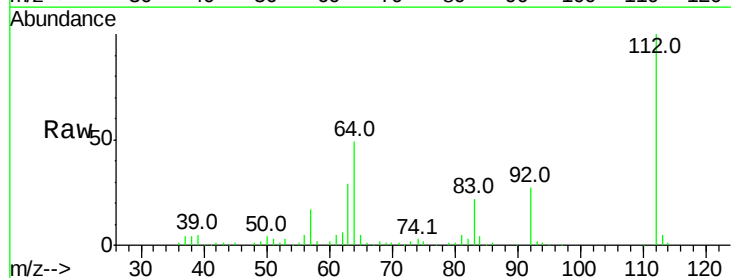
Tot Ion:152 Resp: 23947
Ion Ratio Lower Upper
152 100
150 174.2 126.6 189.8
115 56.1 53.0 79.4

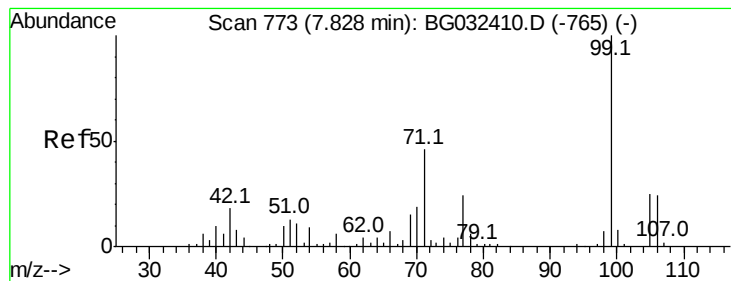


#5

2-Fluorophenol
Concen: 108.010 ng
RT: 6.15 min Scan# 486
Delta R.T. -0.01 min
Lab File: BG032551.D
Acq: 6 Feb 2018 1:55

Tgt Ion:112 Resp: 128775
Ion Ratio Lower Upper
112 100
64 48.6 56.3 84.5#
63 28.8 30.1 45.1#





#7

Phenol-d6

Concen: 108.056 ng

RT: 7.83 min Scan# 772

Delta R.T. -0.00 min

Lab File: BG032551.D

Acq: 6 Feb 2018 1:55

Instrument :

BNA_G

ClientSampleId :

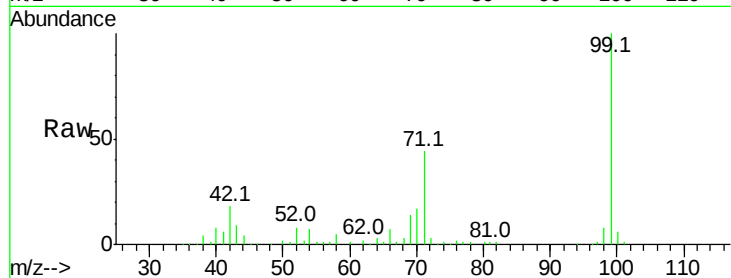
Tot Ion: 99 Resp: 171912

Ion Ratio Lower Upper

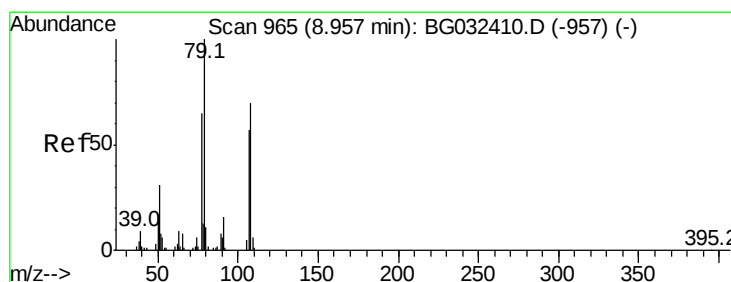
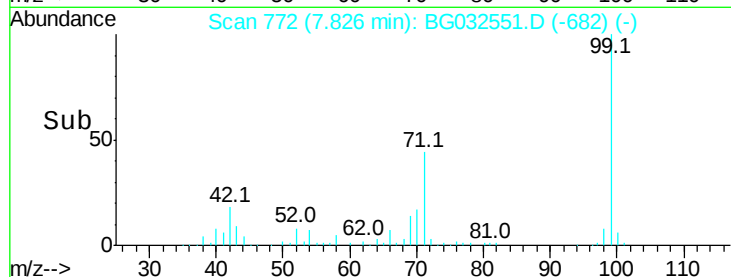
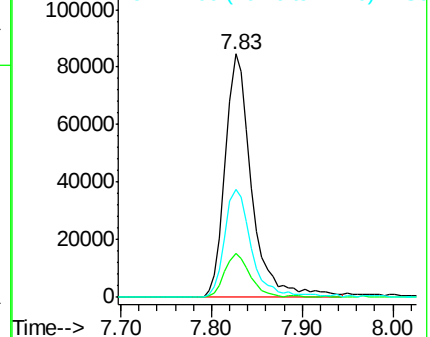
99 100

42 18.3 14.1 21.1

71 44.4 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: 2.402 ng

RT: 9.04 min Scan# 978

Delta R.T. 0.08 min

Lab File: BG032551.D

Acq: 6 Feb 2018 1:55

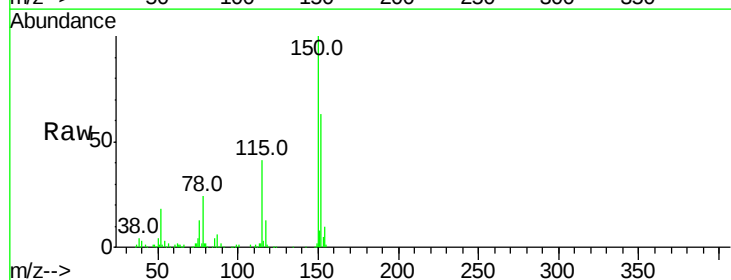
Tgt Ion: 79 Resp: 3149

Ion Ratio Lower Upper

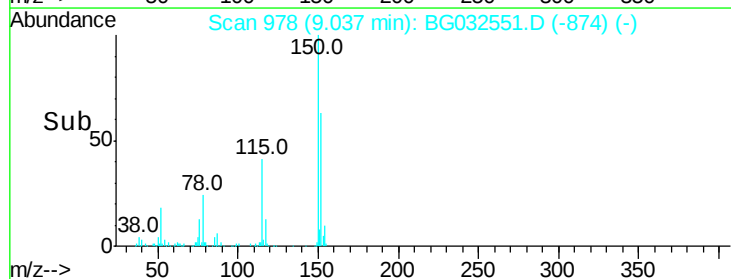
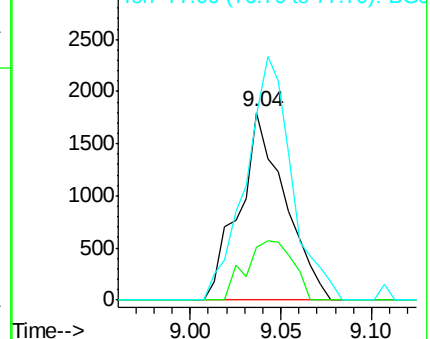
79 100

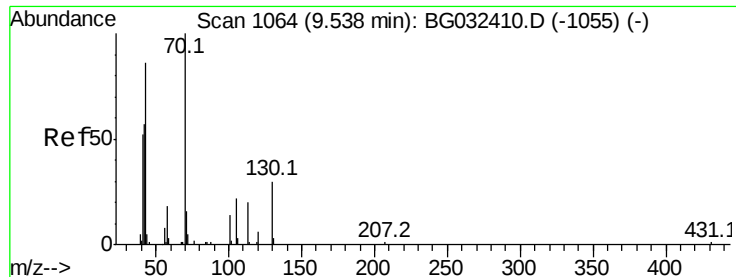
108 28.2 57.2 85.8#

77 98.3 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

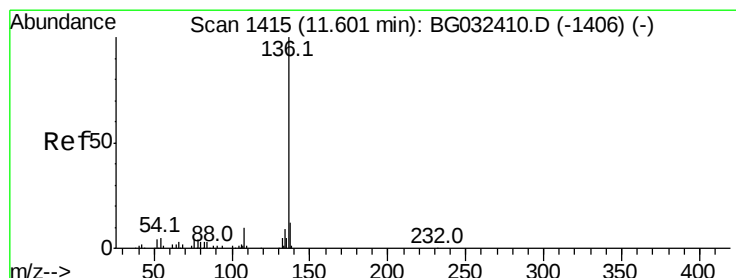
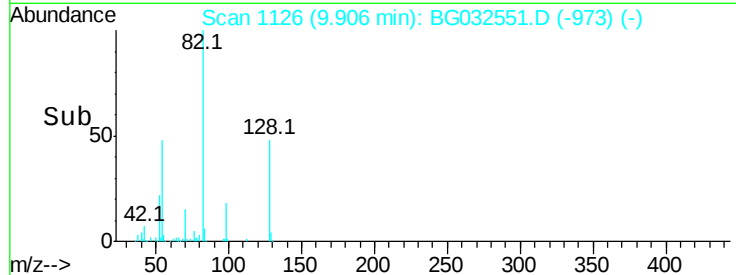
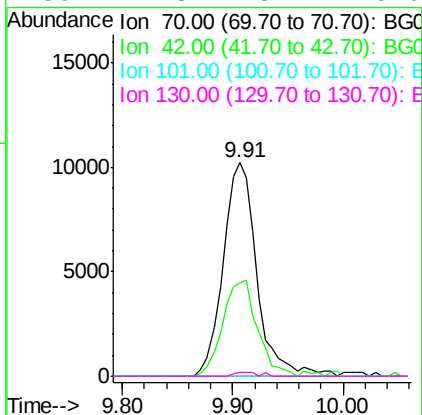
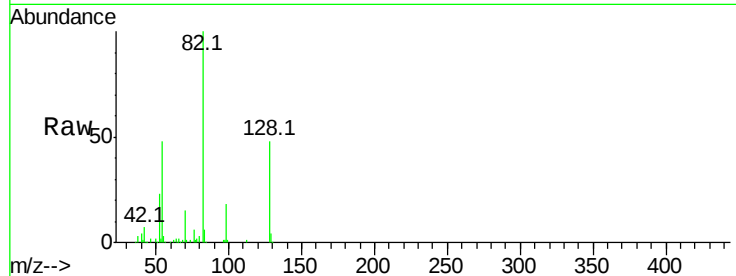




#19
n-Nitroso-di-n-propylamine
Concen: 20.625 ng
RT: 9.91 min Scan# 1126
Delta R.T. 0.37 min
Lab File: BG032551.D
Acq: 6 Feb 2018 1:55

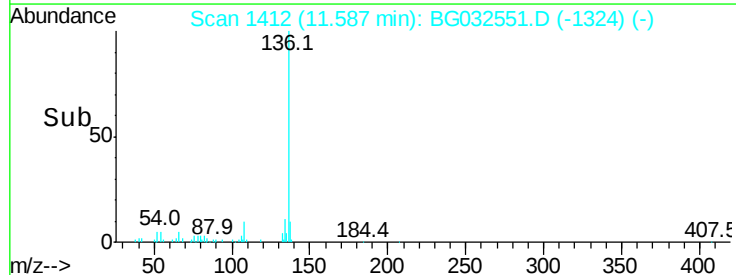
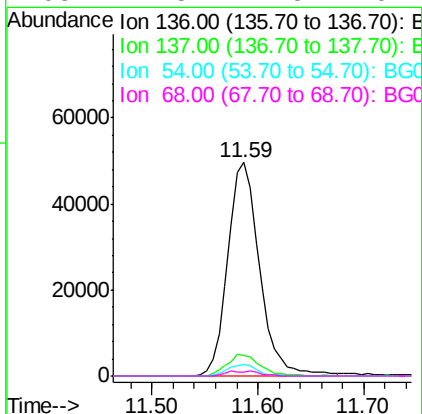
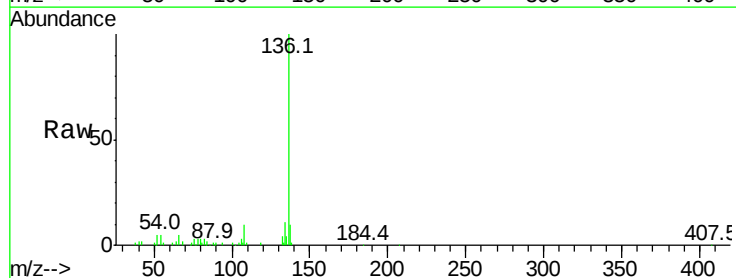
Instrument :
BNA_G
ClientSampleId :

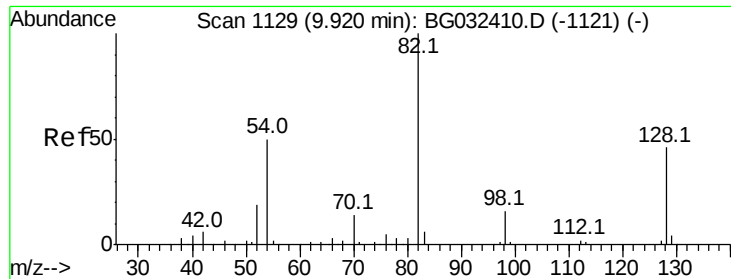
Tot Ion: 70 Resp: 21757
Ion Ratio Lower Upper
70 100
42 44.0 49.1 73.7#
101 0.0 8.5 12.7#
130 1.8 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.59 min Scan# 1412
Delta R.T. -0.01 min
Lab File: BG032551.D
Acq: 6 Feb 2018 1:55

Tgt Ion: 136 Resp: 103590
Ion Ratio Lower Upper
136 100
137 9.9 9.2 13.8
54 5.4 10.3 15.5#
68 1.8 4.5 6.7#

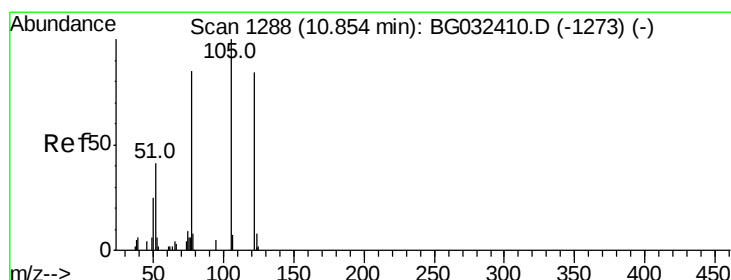
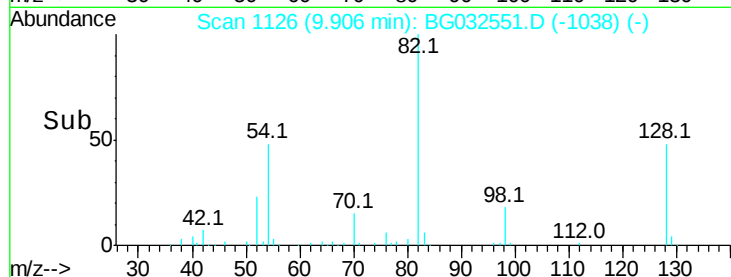
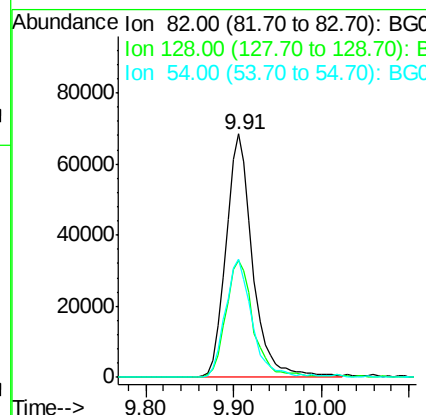
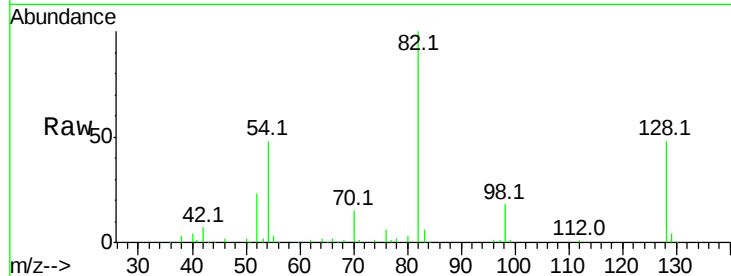




#23
 Nitrobenzene-d5
 Concen: 86.477 ng
 RT: 9.91 min Scan# 1126
 Delta R.T. -0.01 min
 Lab File: BG032551.D
 Acq: 6 Feb 2018 1:55

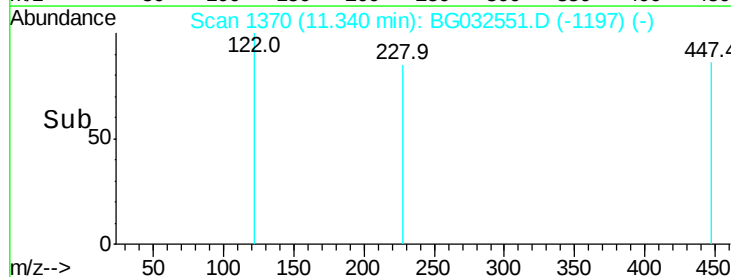
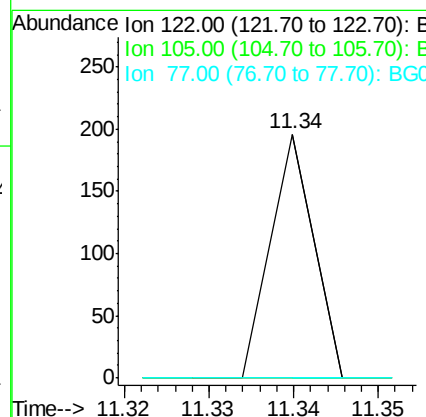
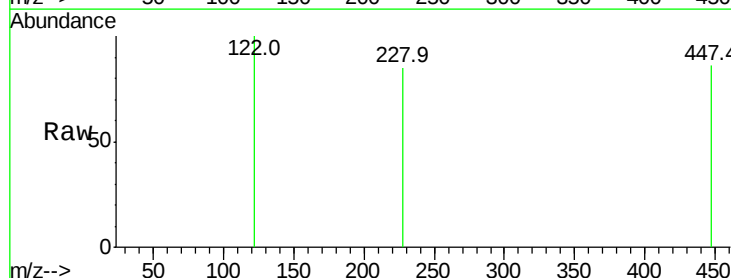
Instrument :
 BNA_G
 ClientSampled :

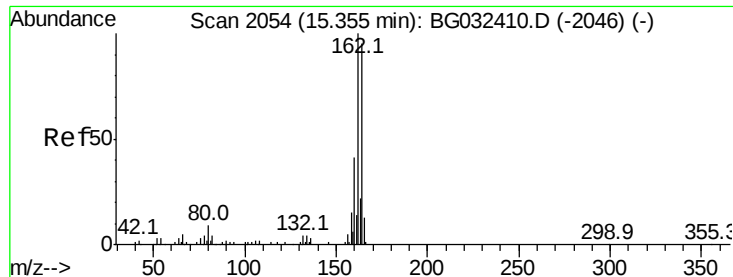
Tot Ion: 82 Resp: 143422
 Ion Ratio Lower Upper
 82 100
 128 48.2 29.7 44.5#
 54 48.3 43.1 64.7



#32
 Benzoic acid
 Concen: 7.340 ng
 RT: 11.34 min Scan# 1370
 Delta R.T. 0.49 min
 Lab File: BG032551.D
 Acq: 6 Feb 2018 1:55

Tgt Ion:122 Resp: 69
 Ion Ratio Lower Upper
 122 100
 105 0.0 123.5 163.5#
 77 0.0 85.7 125.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.34 min Scan# 2051

Delta R.T. -0.01 min

Lab File: BG032551.D

Acq: 6 Feb 2018 1:55

Instrument :

BNA_G

ClientSampled :

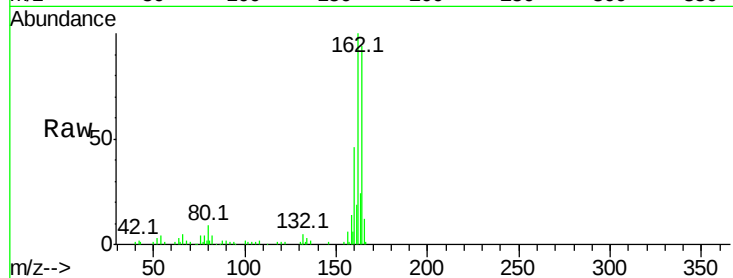
Tot Ion:164 Resp: 68416

Ion	Ratio	Lower	Upper
164	100		
162	106.2	78.8	118.2
160	49.3	35.4	53.0

164 100

162 106.2 78.8 118.2

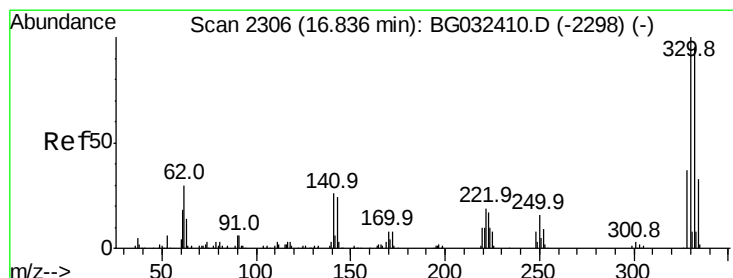
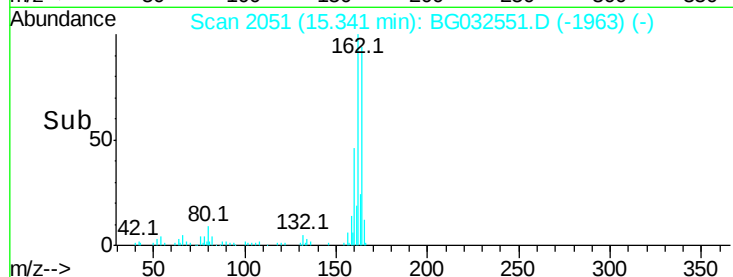
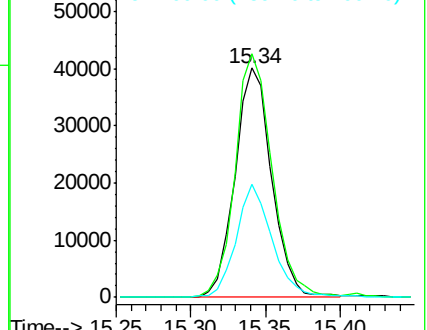
160 49.3 35.4 53.0



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: 155.316 ng

RT: 16.82 min Scan# 2303

Delta R.T. -0.01 min

Lab File: BG032551.D

Acq: 6 Feb 2018 1:55

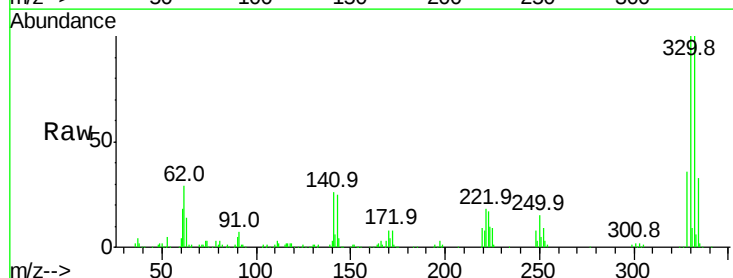
Tgt Ion:330 Resp: 202268

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	27.3	25.2	37.8

330 100

332 96.2 77.0 115.6

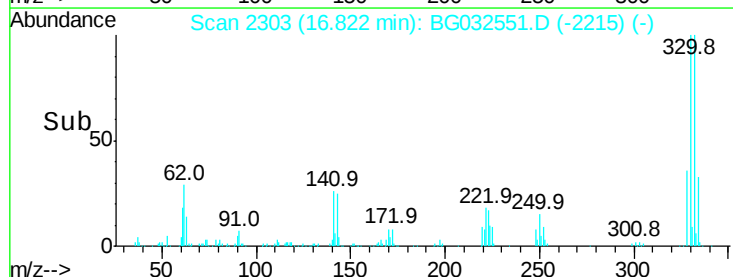
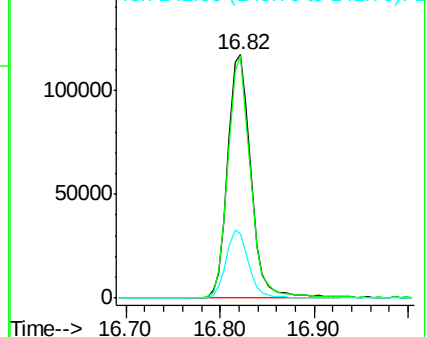
141 27.3 25.2 37.8

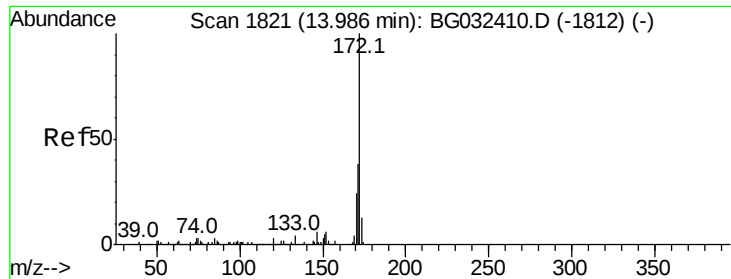


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

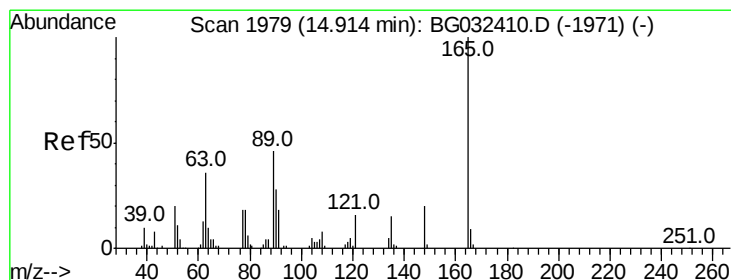
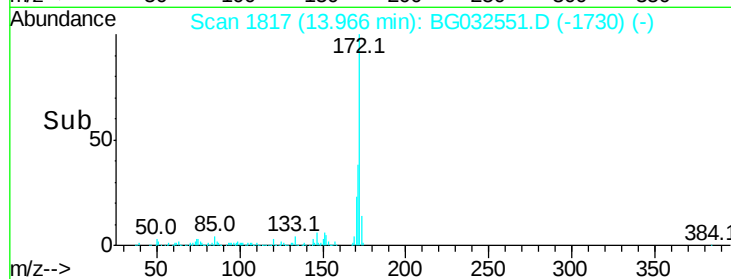
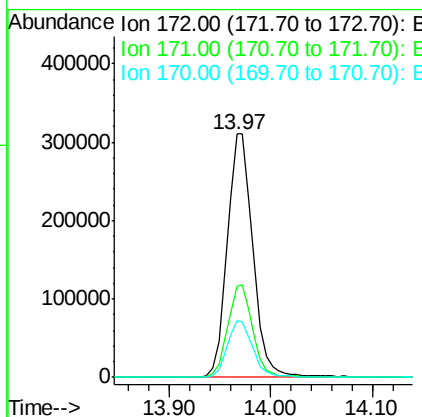
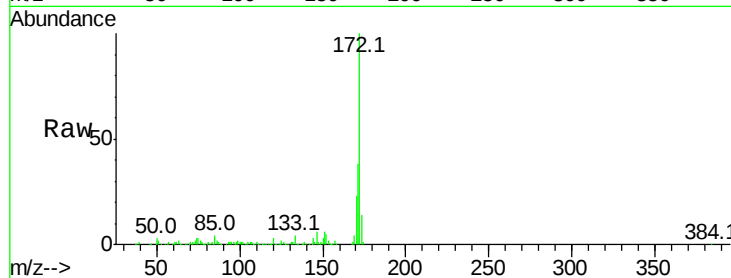




#44
 2-Fluorobiphenyl
 Concen: 94.327 ng
 RT: 13.97 min Scan# 1817
 Delta R.T. -0.02 min
 Lab File: BG032551.D
 Acq: 6 Feb 2018 1:55

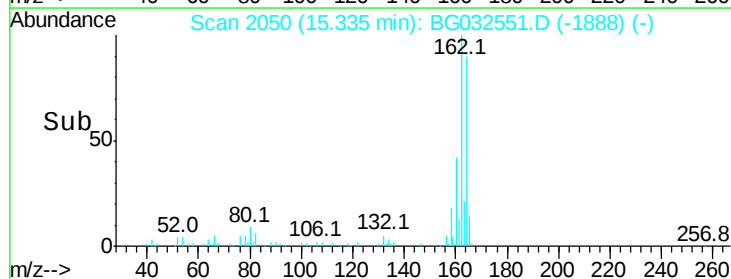
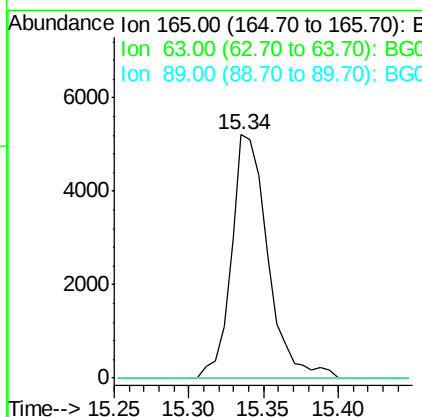
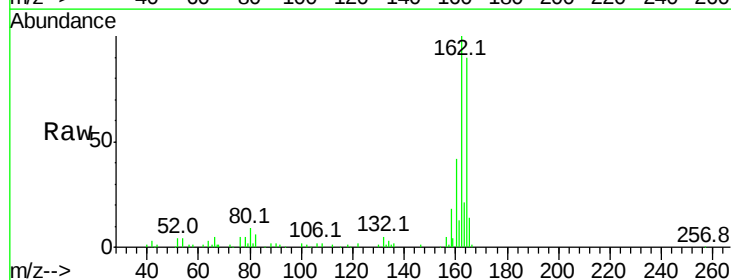
Instrument :
 BNA_G
 ClientSampleId :

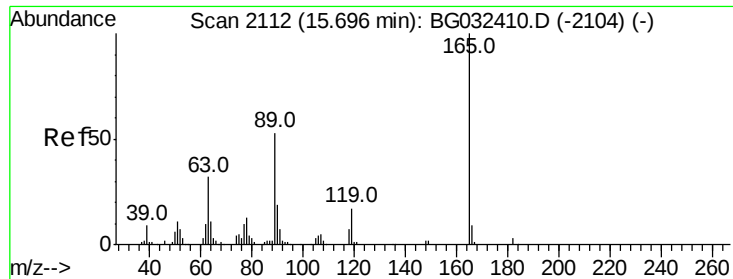
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.6	30.0	45.0
170	23.3	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 6.661 ng
 RT: 15.34 min Scan# 2050
 Delta R.T. 0.42 min
 Lab File: BG032551.D
 Acq: 6 Feb 2018 1:55

Tgt 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: 4.679 ng

RT: 15.34 min Scan# 2050

Delta R.T. -0.36 min

Lab File: BG032551.D

Acq: 6 Feb 2018 1:55

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 8821

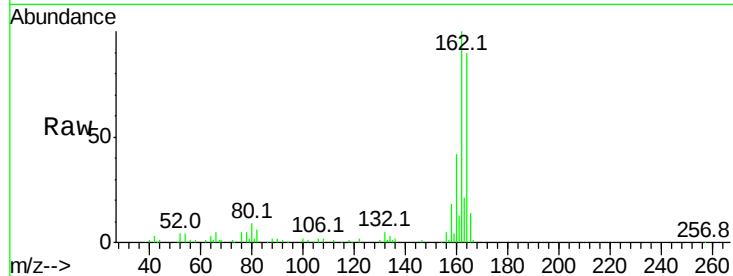
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

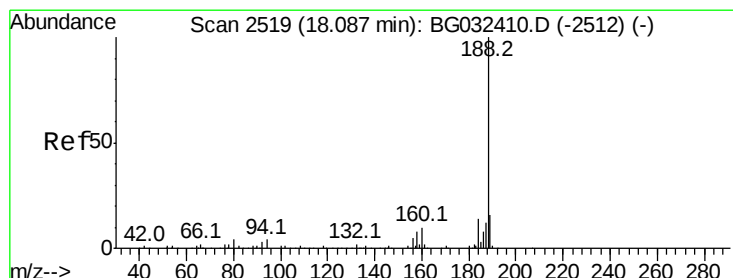
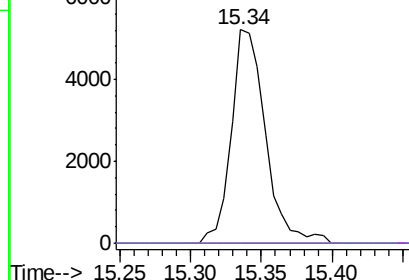
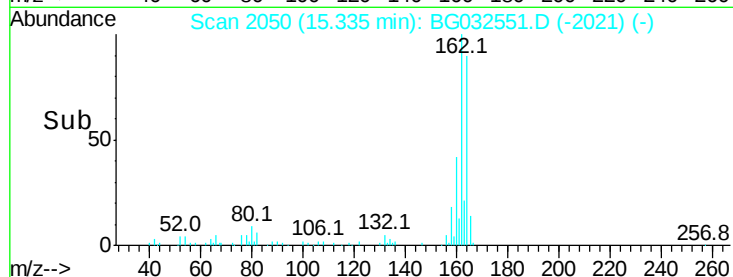


Abundance Ion 165.00 (164.70 to 165.70): E

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: 18.07 min Scan# 2516

Delta R.T. -0.01 min

Lab File: BG032551.D

Acq: 6 Feb 2018 1:55

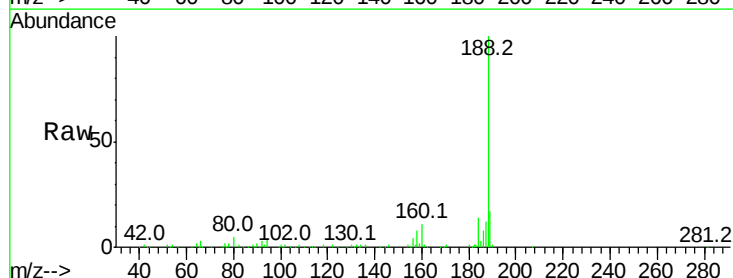
Tgt Ion:188 Resp: 182373

Ion Ratio Lower Upper

188 100

94 4.5 6.9 10.3#

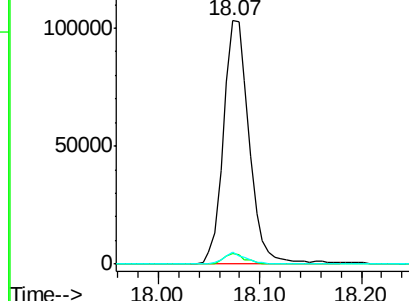
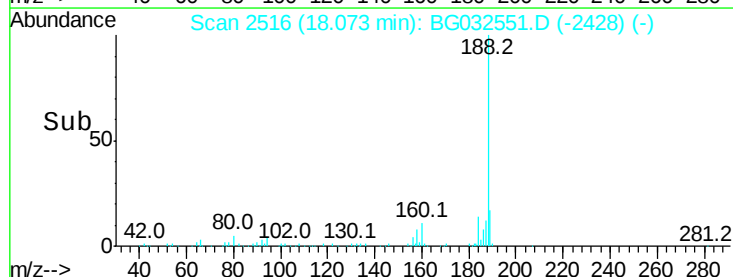
80 4.7 7.7 11.5#

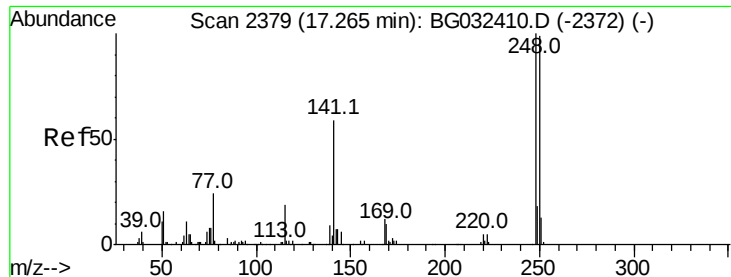


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

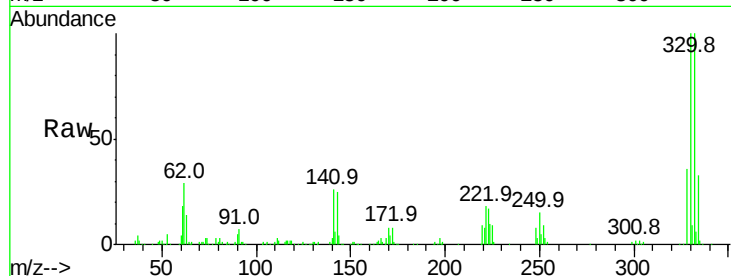




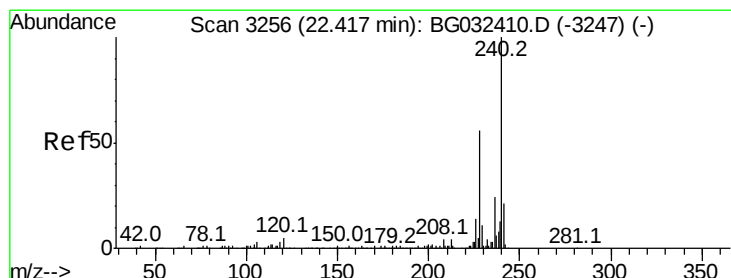
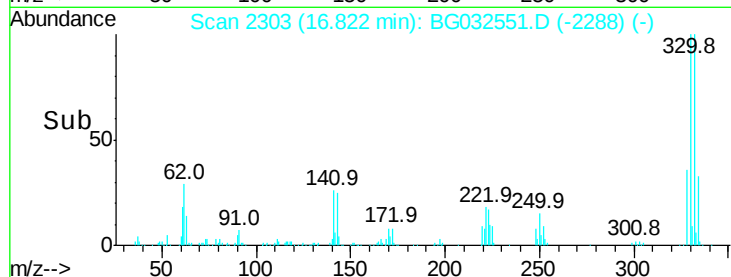
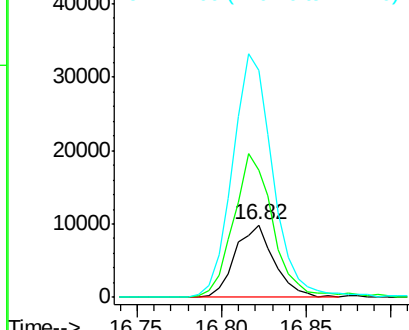
#66
4-Bromophenyl-phenylether
Concen: 5.845 ng
RT: 16.82 min Scan# 2303
Delta R.T. -0.44 min
Lab File: BG032551.D
Acq: 6 Feb 2018 1:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 15793
Ion Ratio Lower Upper
248 100
250 174.9 77.1 115.7#
141 314.1 50.8 76.2#

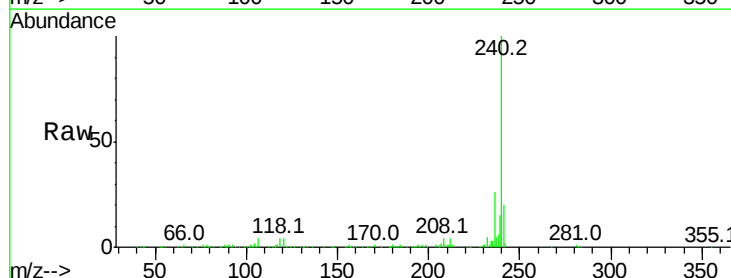


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

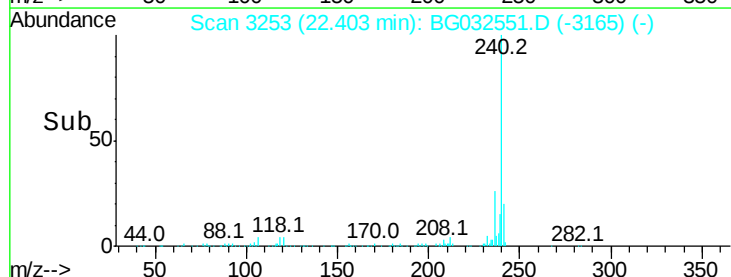
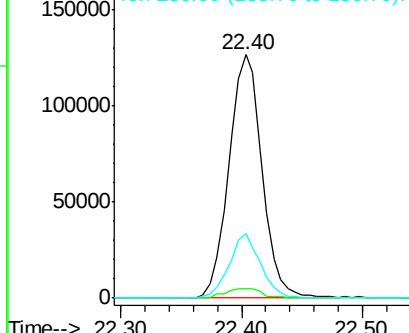


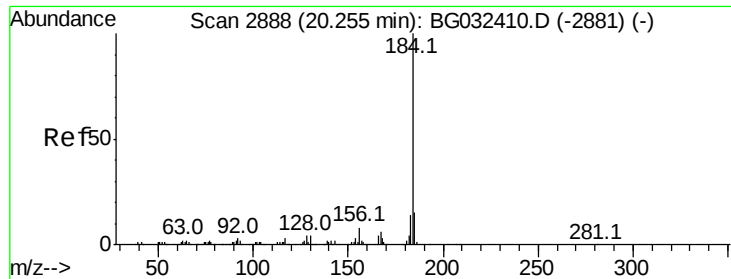
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.40 min Scan# 3253
Delta R.T. -0.01 min
Lab File: BG032551.D
Acq: 6 Feb 2018 1:55

Tgt Ion:240 Resp: 240448
Ion Ratio Lower Upper
240 100
120 4.0 6.8 10.2#
236 26.3 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: 3.493 ng

RT: 20.62 min Scan# 2949

Delta R.T. 0.36 min

Lab File: BG032551.D

Acq: 6 Feb 2018 1:55

Instrument :

BNA_G

ClientSampleId :

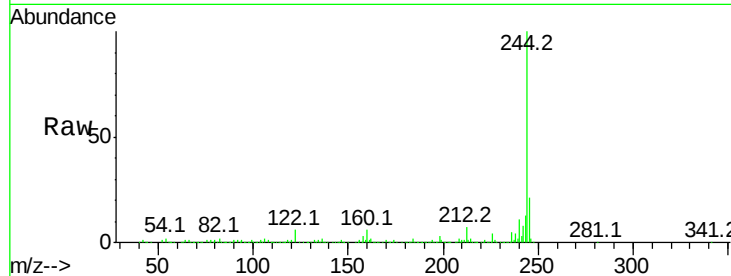
Tot Ion:184 Resp: 16492

Ion Ratio Lower Upper

184 100

185 13.4 11.1 16.7

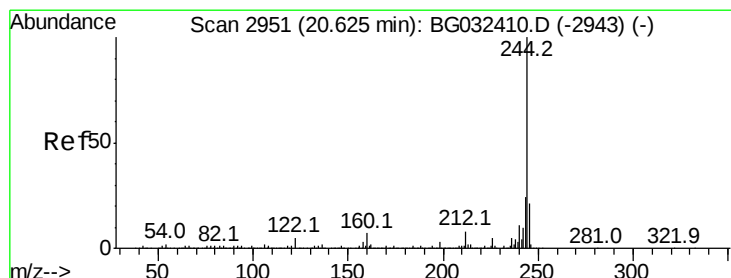
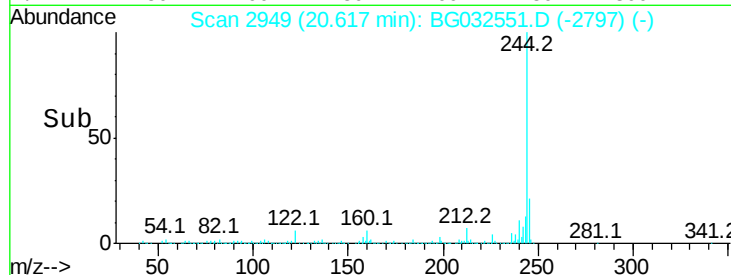
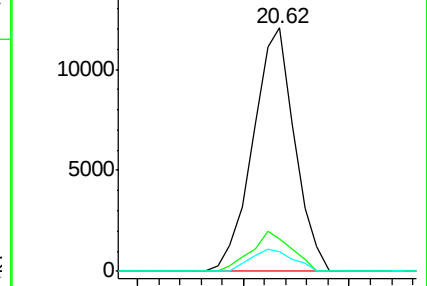
183 7.9 10.6 16.0#



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: 101.099 ng

RT: 20.62 min Scan# 2949

Delta R.T. -0.01 min

Lab File: BG032551.D

Acq: 6 Feb 2018 1:55

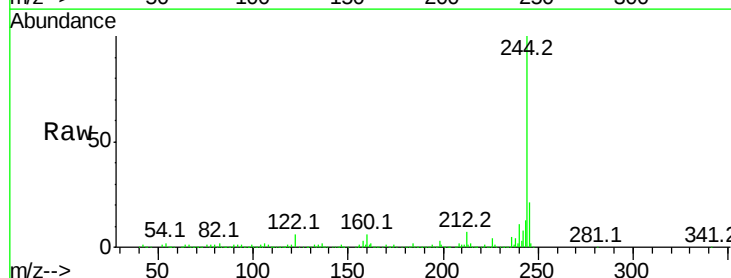
Tgt Ion:244 Resp: 1134828

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

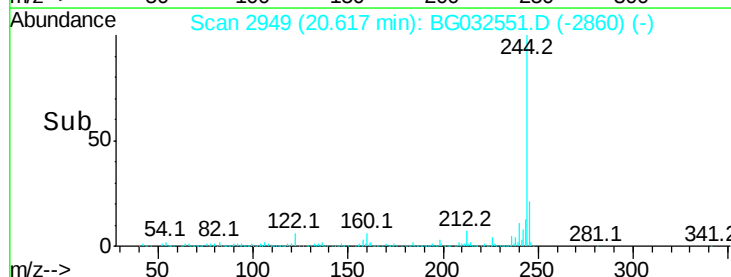
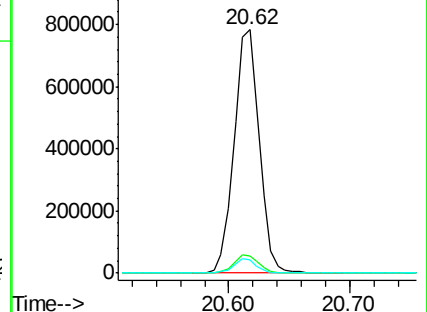
122 5.5 7.0 10.4#

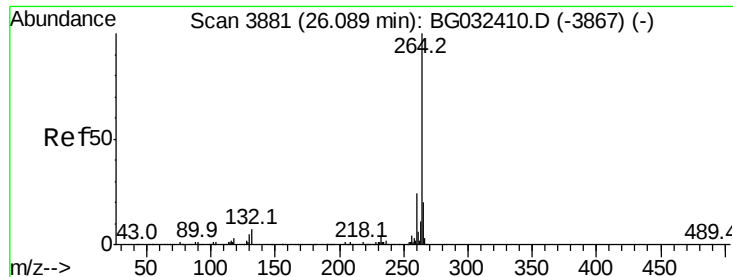


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

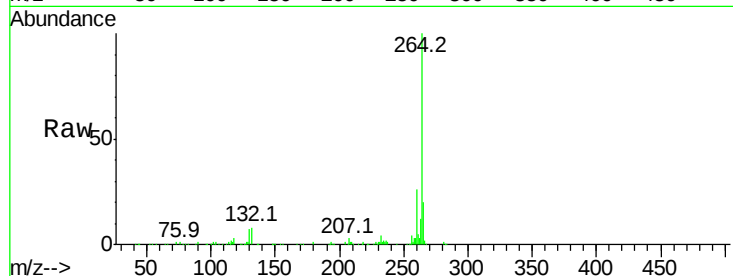




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.08 min Scan# 3879
Delta R.T. -0.01 min
Lab File: BG032551.D
Acq: 6 Feb 2018 1:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.5	17.4	26.0
265	20.1	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

