

Data Path : U:\HPCHEM1\BNA G\DATA\BG012918\
 Data File : BG032424.D
 Acq On : 29 Jan 2018 21:12
 Operator : SJ/JU
 Sample : J1341-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 30 03:29:00 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

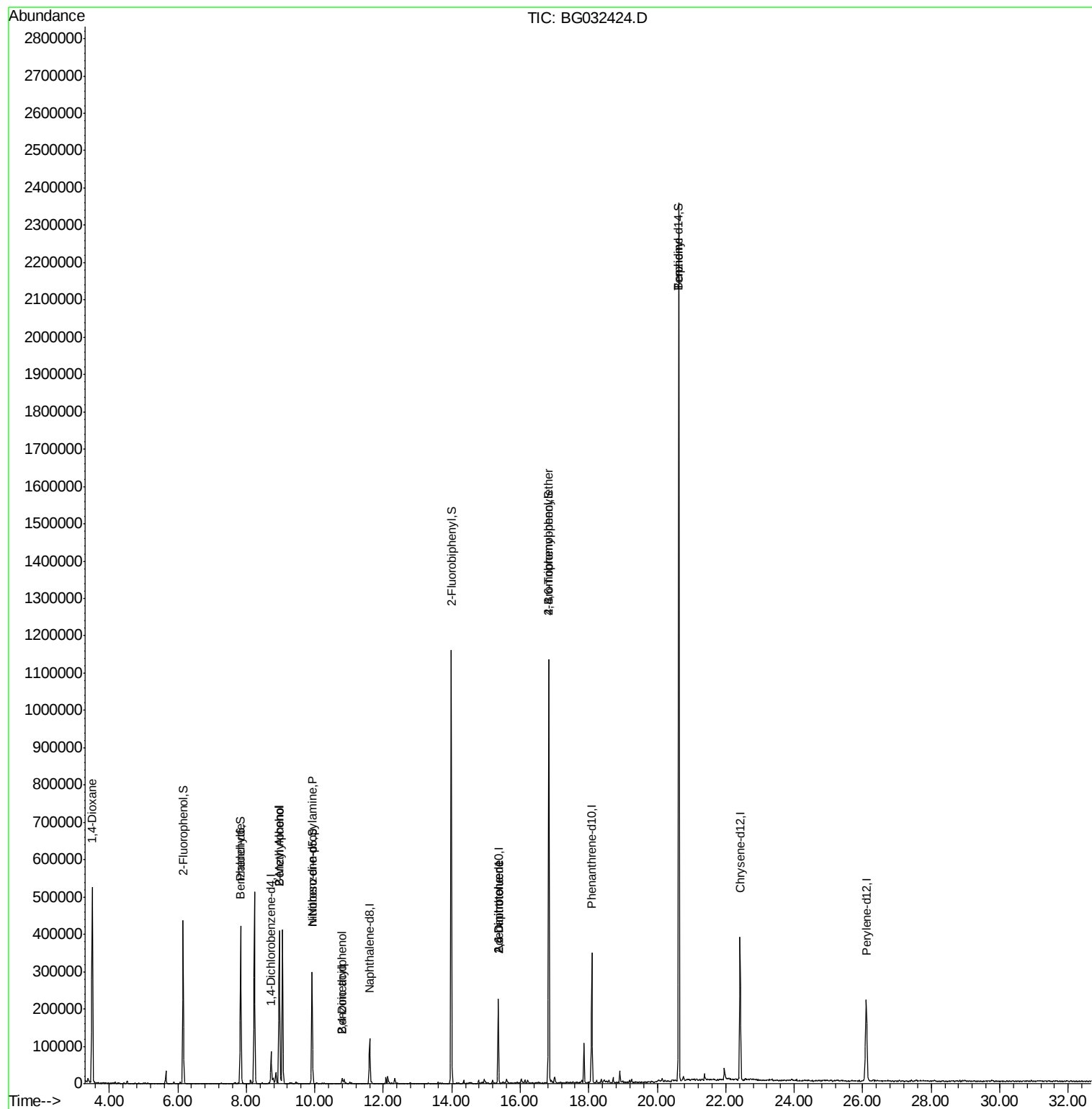
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.72	152	28563	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	111871	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	83712	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	232445	20.00	ng	0.00
75) Chrysene-d12	22.42	240	287269	20.00	ng	0.00
86) Perylene-d12	26.10	264	304647	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.15	112	214746	151.01	ng	0.00
7) Phenol-d6	7.84	99	242539	127.81	ng	0.00
23) Nitrobenzene-d5	9.92	82	182717	102.02	ng	0.00
41) 2,4,6-Tribromophenol	16.84	330	269937	169.40	ng	0.00
44) 2-Fluorobiphenyl	13.99	172	680019	96.55	ng	0.00
78) Terphenyl-d14	20.63	244	1297709	96.77	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.51	88	6563	13.717	ng	Qvalue # 1
9) Benzaldehyde	7.82	77	7945	8.106	ng	82
15) Benzyl Alcohol	8.96	79	161063	102.985	ng	95
17) 2-Methylphenol	8.96	107	84146	57.492	ng	# 2
19) n-Nitroso-di-n-propylamine	9.92	70	26858	21.346	ng	# 78
27) 2,4-Dimethylphenol	10.80	122	6187	4.117	ng	# 1
32) Benzoic acid	10.80	122	6187	11.965	ng	# 84
50) 2,6-Dinitrotoluene	15.36	165	10512	6.489	ng	# 21
56) 2,4-Dinitrotoluene	15.36	165	10512	4.557	ng	# 19
66) 4-Bromophenyl-phenylether	16.84	248	21832	6.340	ng	# 1
76) Benzidine	20.63	184	19513	3.459	ng	# 87

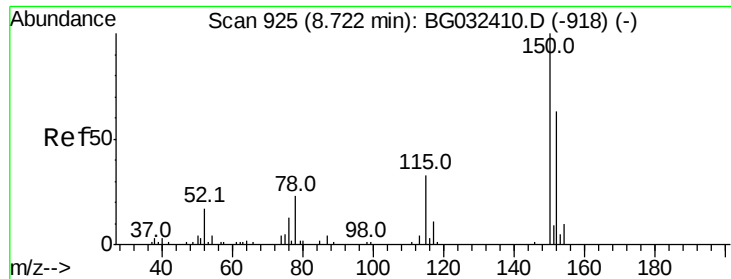
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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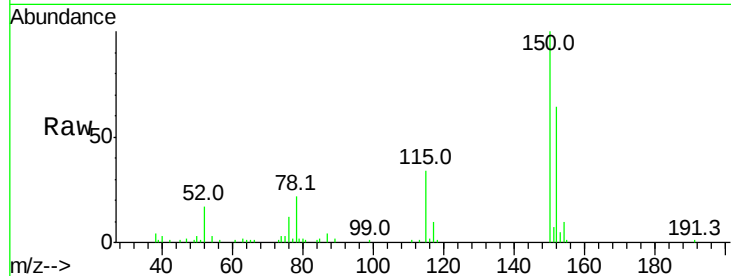


#1

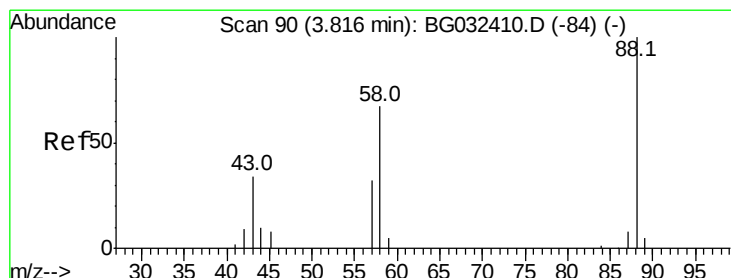
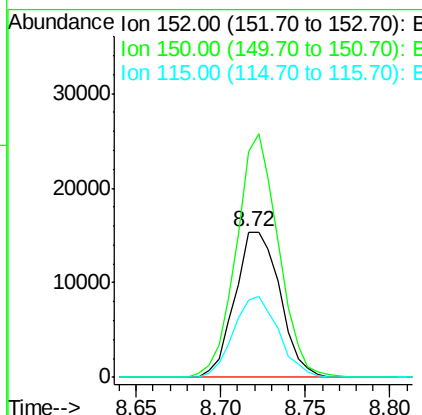
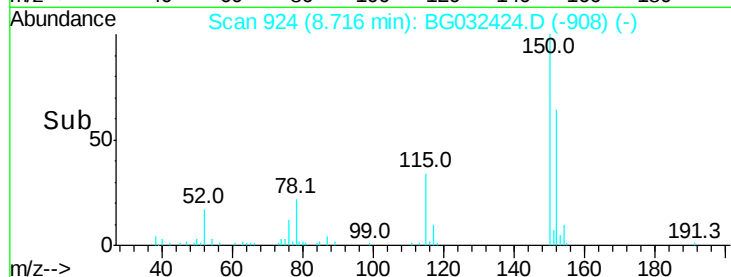
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.72 min Scan# 924
Delta R.T. -0.01 min
Lab File: BG032424.D
Acq: 29 Jan 2018 21:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 28563
Ion Ratio Lower Upper
152 100
150 155.6 126.6 189.8
115 52.8 53.0 79.4#



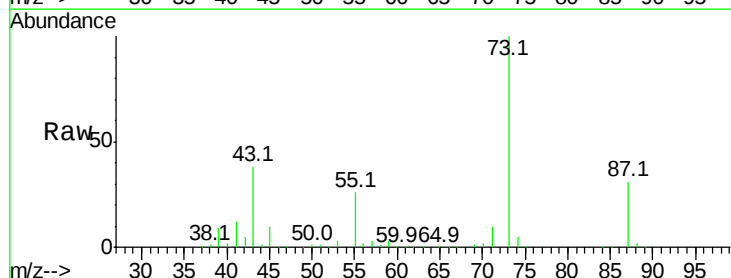
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



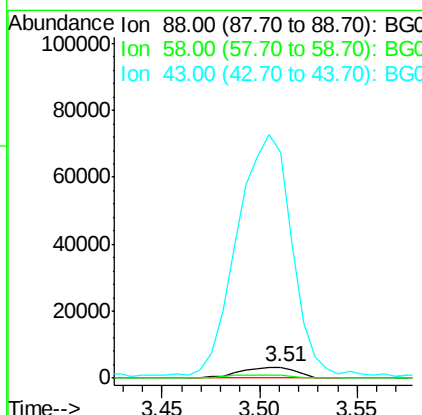
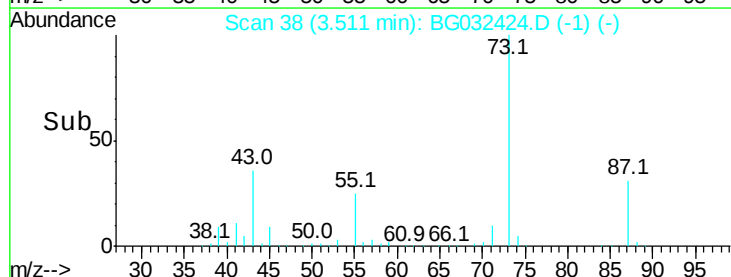
#2

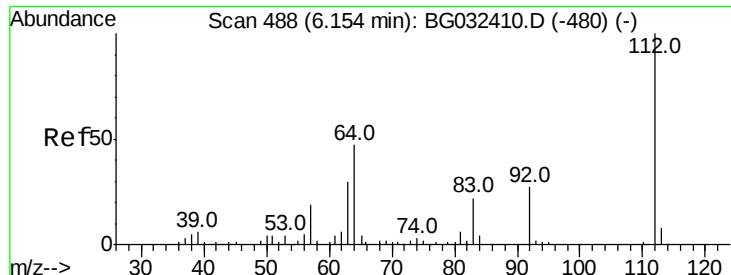
1,4-Dioxane
Concen: 13.717 ng
RT: 3.51 min Scan# 38
Delta R.T. -0.30 min
Lab File: BG032424.D
Acq: 29 Jan 2018 21:12

Tgt Ion: 88 Resp: 6563
Ion Ratio Lower Upper
88 100
58 33.7 79.6 119.4#
43 2144.0 27.4 41.0#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 151.010 ng

RT: 6.15 min Scan# 488

Delta R.T. 0.00 min

Lab File: BG032424.D

Acq: 29 Jan 2018 21:12

Instrument :

BNA_G

ClientSampled :

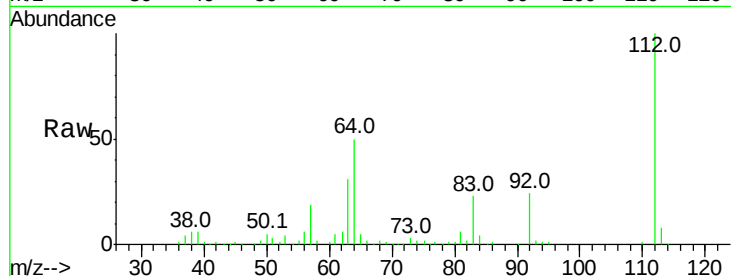
Tot Ion:112 Resp: 214746

Ion Ratio Lower Upper

112 100

64 50.1 56.3 84.5#

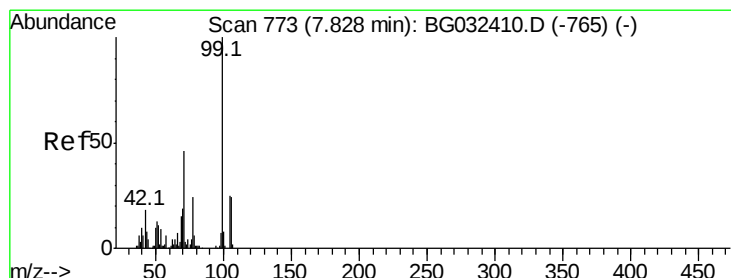
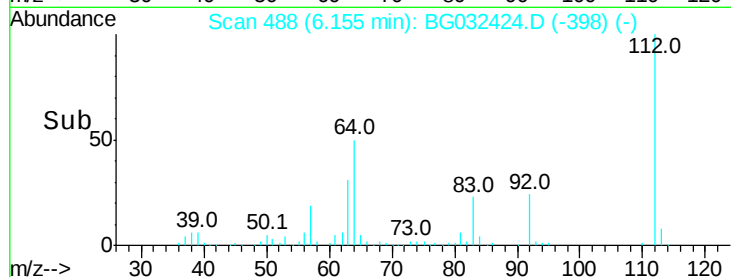
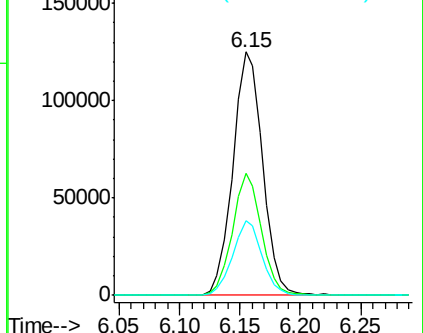
63 30.7 30.1 45.1



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: 127.812 ng

RT: 7.84 min Scan# 774

Delta R.T. 0.01 min

Lab File: BG032424.D

Acq: 29 Jan 2018 21:12

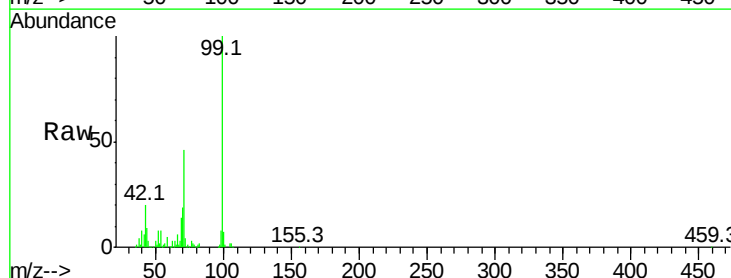
Tgt Ion: 99 Resp: 242539

Ion Ratio Lower Upper

99 100

42 20.4 14.1 21.1

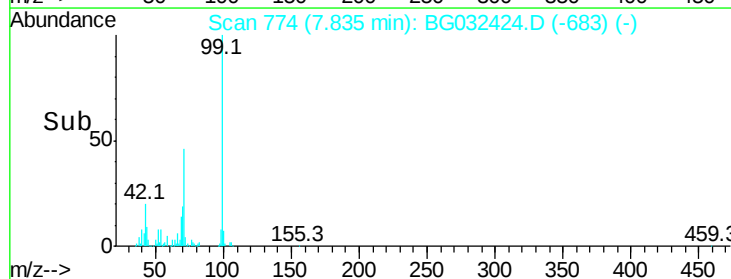
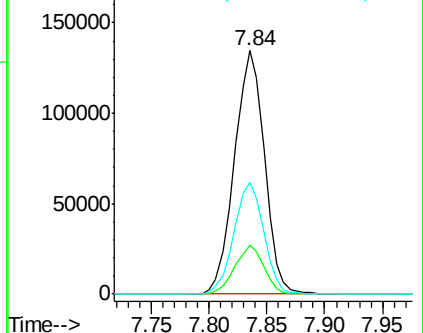
71 45.9 26.1 39.1#

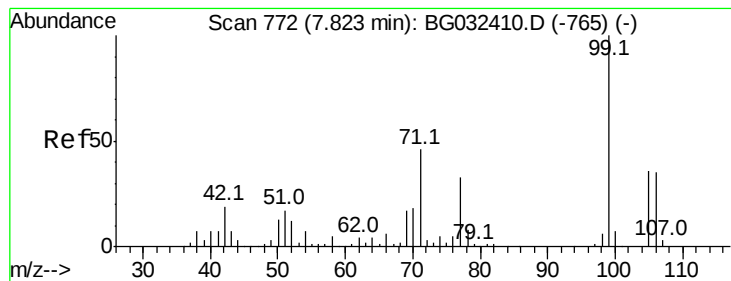


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#9

Benzaldehyde

Concen: 8.106 ng

RT: 7.82 min Scan# 772

Delta R.T. 0.00 min

Lab File: BG032424.D

Acq: 29 Jan 2018 21:12

Instrument :

BNA_G

ClientSampled :

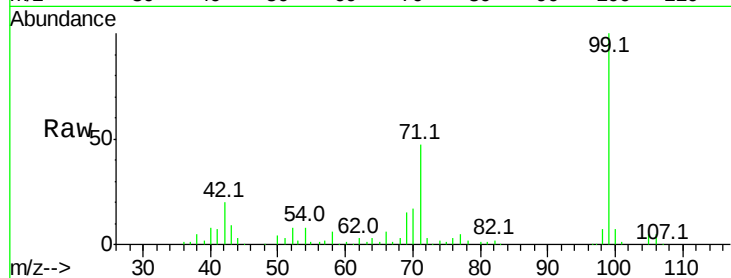
Tot Ion: 77 Resp: 7945

Ion Ratio Lower Upper

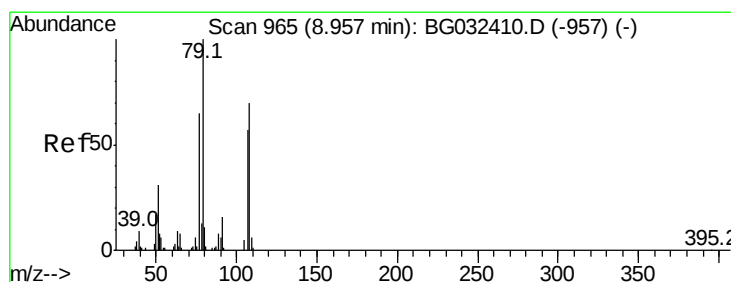
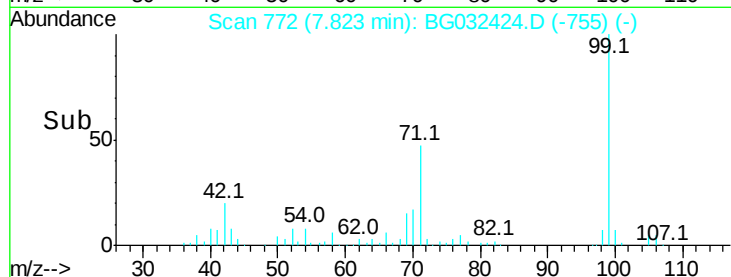
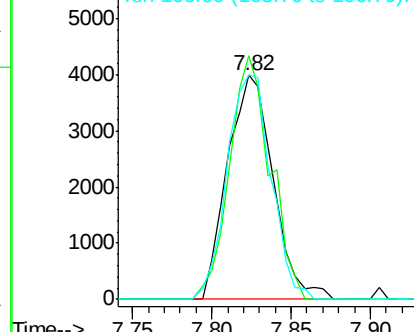
77 100

105 108.6 71.3 111.3

106 100.3 64.2 104.2



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC



#15

Benzyl Alcohol

Concen: 102.985 ng

RT: 8.96 min Scan# 966

Delta R.T. 0.01 min

Lab File: BG032424.D

Acq: 29 Jan 2018 21:12

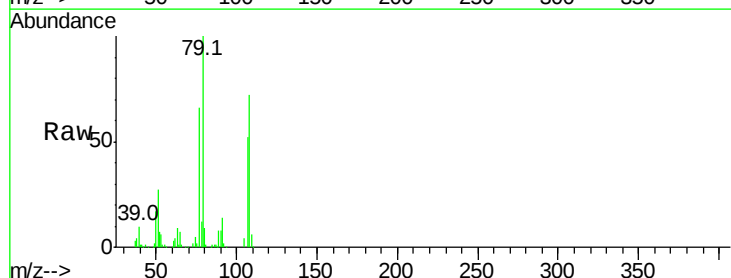
Tgt Ion: 79 Resp: 161063

Ion Ratio Lower Upper

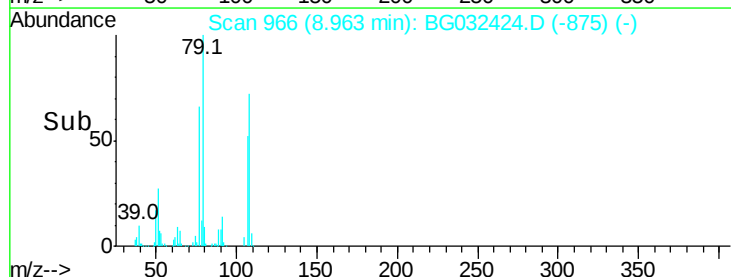
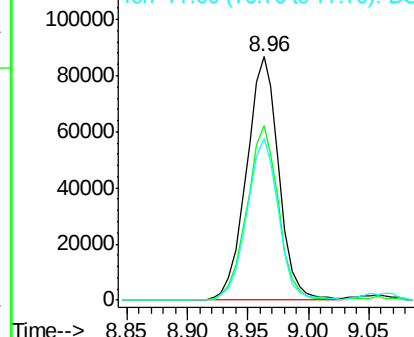
79 100

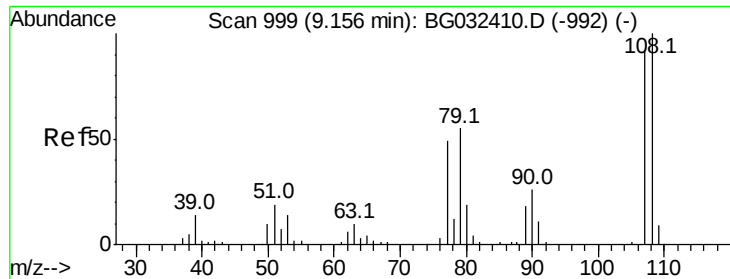
108 71.7 57.2 85.8

77 66.4 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

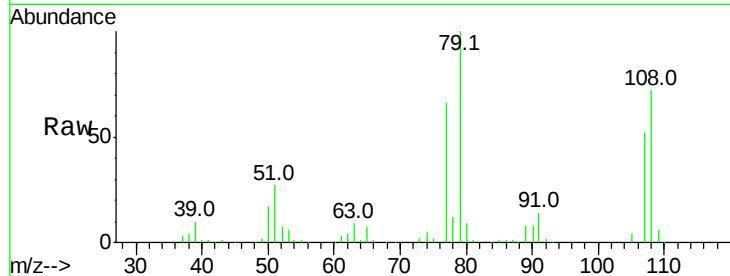




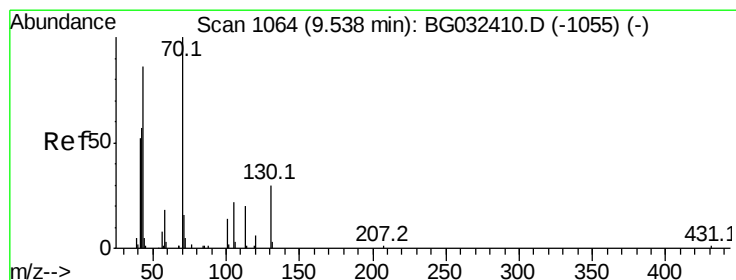
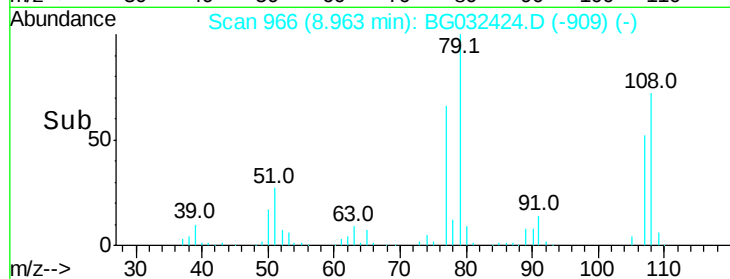
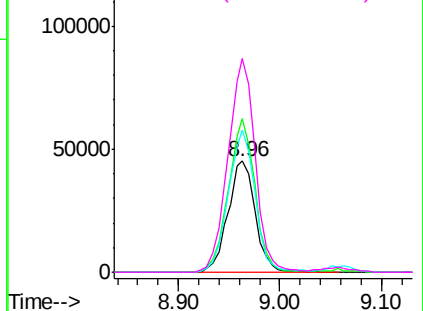
#17
2-Methylphenol
Concen: 57.492 ng
RT: 8.96 min Scan# 966
Delta R.T. -0.19 min
Lab File: BG032424.D
Acq: 29 Jan 2018 21:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion:107 Resp: 84146
Ion Ratio Lower Upper
107 100
108 138.0 83.9 125.9#
77 127.9 37.2 55.8#
79 192.5 36.2 54.2#

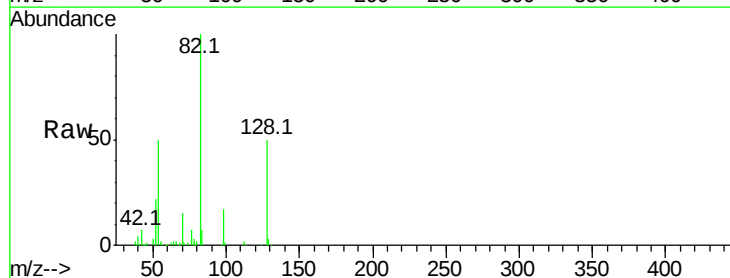


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

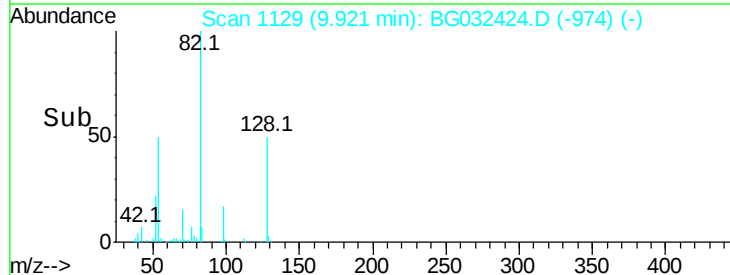
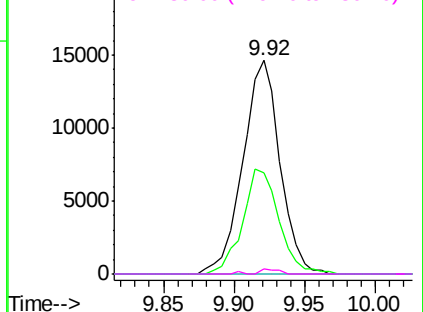


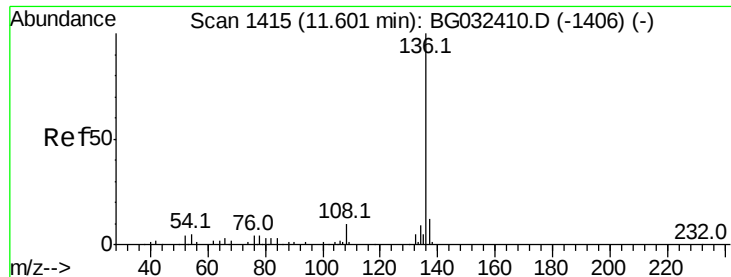
#19
n-Nitroso-di-n-propylamine
Concen: 21.346 ng
RT: 9.92 min Scan# 1129
Delta R.T. 0.38 min
Lab File: BG032424.D
Acq: 29 Jan 2018 21:12

Tgt Ion: 70 Resp: 26858
Ion Ratio Lower Upper
70 100
42 47.5 49.1 73.7#
101 0.0 8.5 12.7#
130 2.7 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): E
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.60 min Scan# 1415

Delta R.T. 0.00 min

Lab File: BG032424.D

Acq: 29 Jan 2018 21:12

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 111871

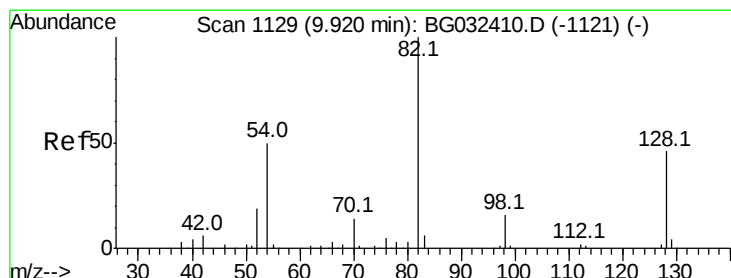
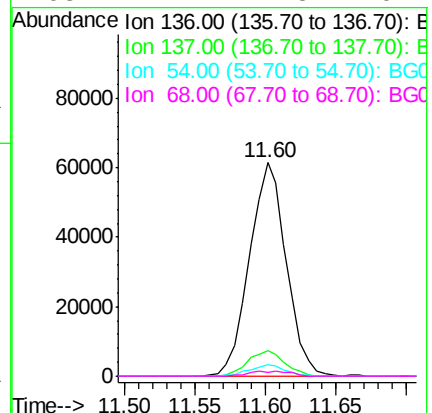
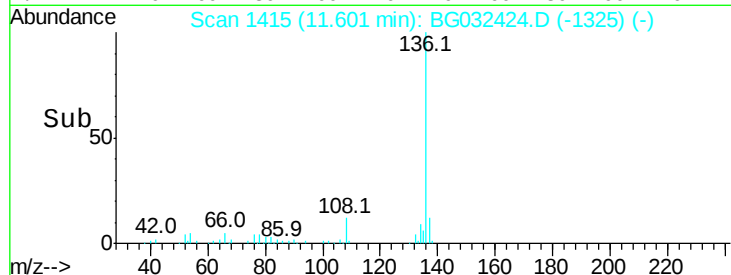
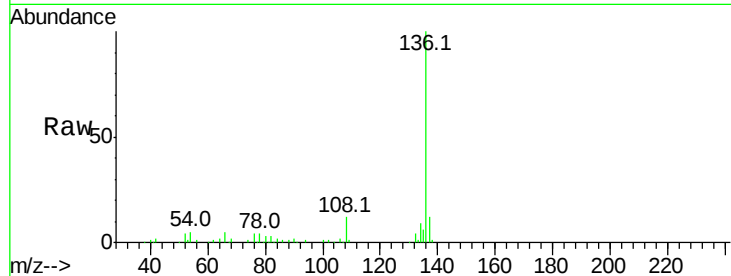
Ion Ratio Lower Upper

136 100

137 11.8 9.2 13.8

54 5.2 10.3 15.5#

68 2.1 4.5 6.7#



#23

Nitrobenzene-d5

Concen: 102.016 ng

RT: 9.92 min Scan# 1129

Delta R.T. 0.00 min

Lab File: BG032424.D

Acq: 29 Jan 2018 21:12

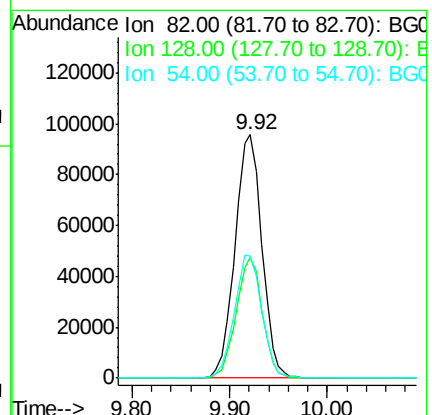
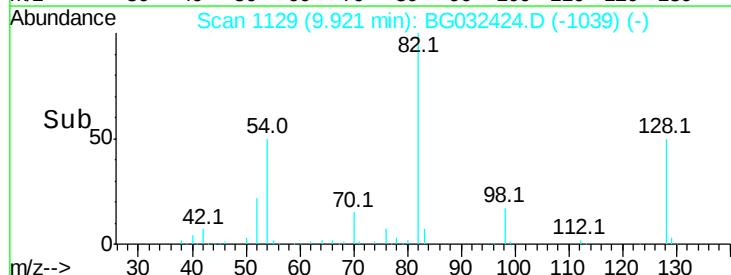
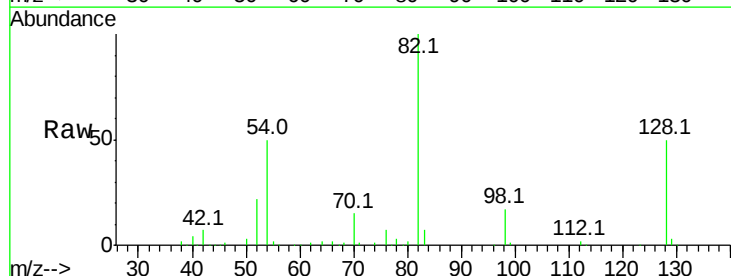
Tgt Ion: 82 Resp: 182717

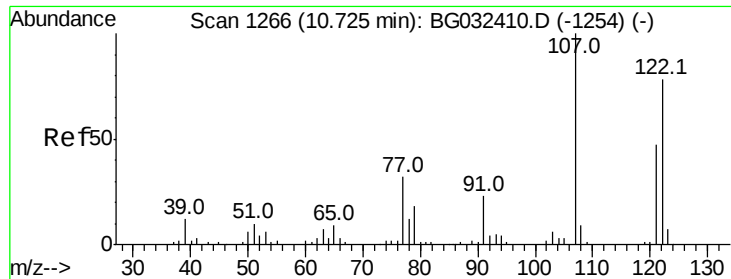
Ion Ratio Lower Upper

82 100

128 49.8 29.7 44.5#

54 50.0 43.1 64.7

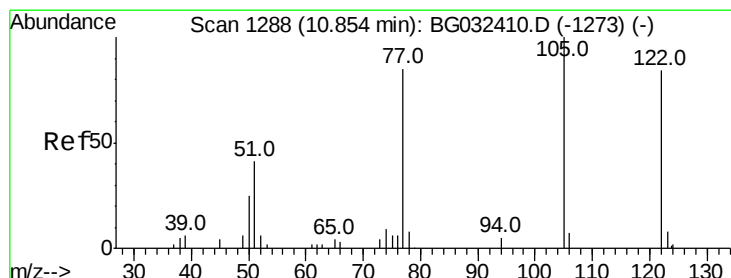
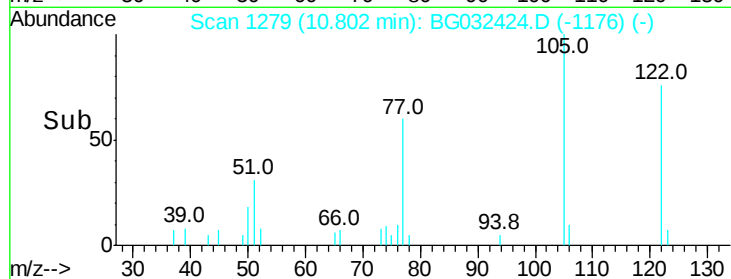
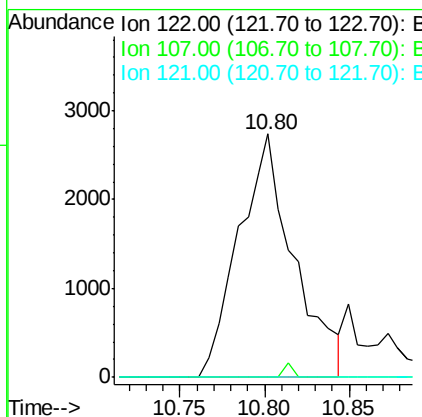
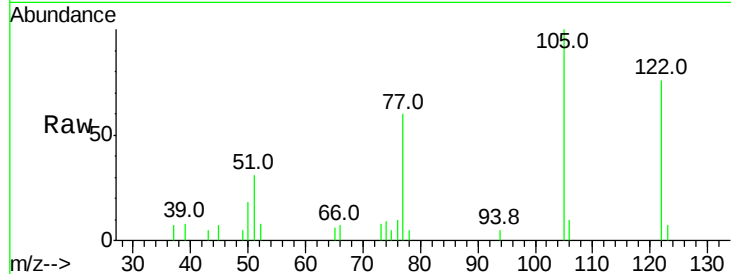




#27
 2,4-Dimethylphenol
 Concen: 4.117 ng
 RT: 10.80 min Scan# 1279
 Delta R.T. 0.08 min
 Lab File: BG032424.D
 Acq: 29 Jan 2018 21:12

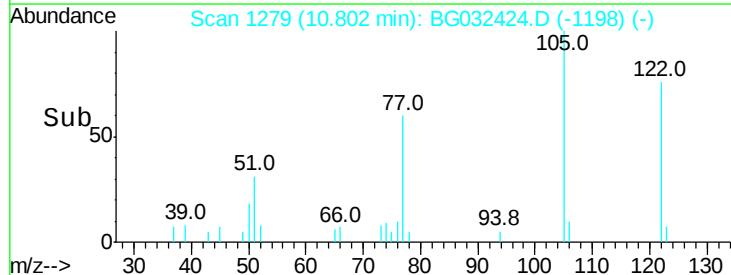
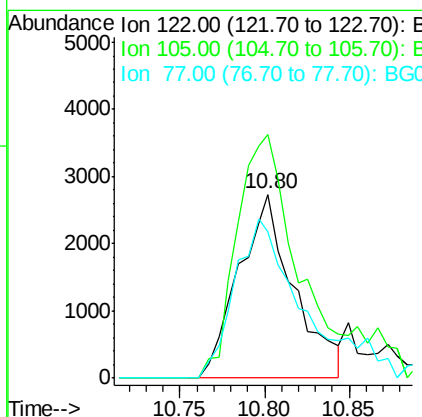
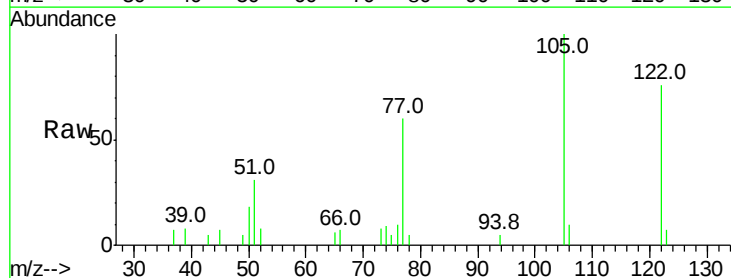
Instrument :
 BNA_G
 ClientSampleId :

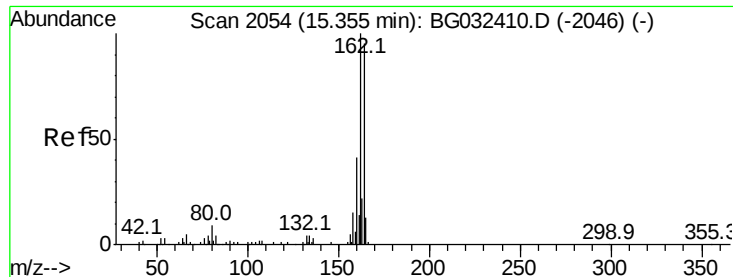
Tot Ion:122 Resp: 6187
 Ion Ratio Lower Upper
 122 100
 107 0.0 100.2 150.2#
 121 0.0 44.4 66.6#



#32
 Benzoic acid
 Concen: 11.965 ng
 RT: 10.80 min Scan# 1279
 Delta R.T. -0.05 min
 Lab File: BG032424.D
 Acq: 29 Jan 2018 21:12

Tgt Ion:122 Resp: 6187
 Ion Ratio Lower Upper
 122 100
 105 132.3 123.5 163.5
 77 79.4 85.7 125.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.36 min Scan# 2054

Delta R.T. 0.00 min

Lab File: BG032424.D

Acq: 29 Jan 2018 21:12

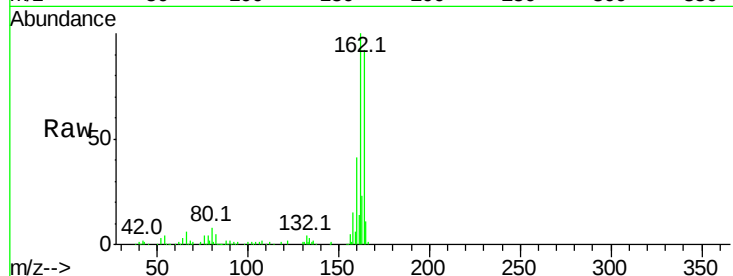
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 83712

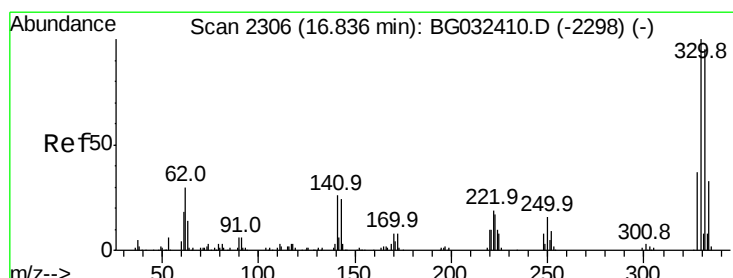
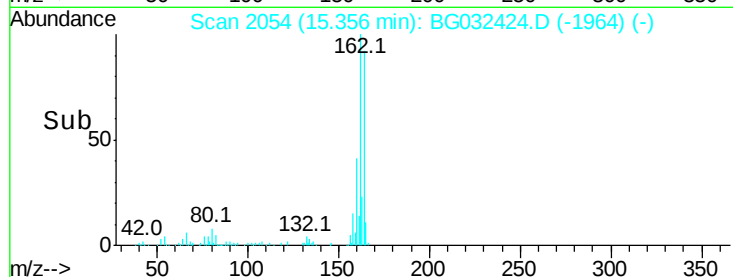
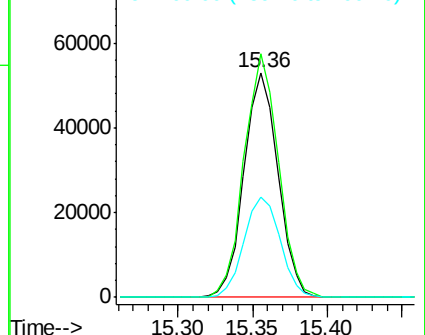
Ion	Ratio	Lower	Upper
164	100		
162	108.5	78.8	118.2
160	44.8	35.4	53.0



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: 169.403 ng

RT: 16.84 min Scan# 2306

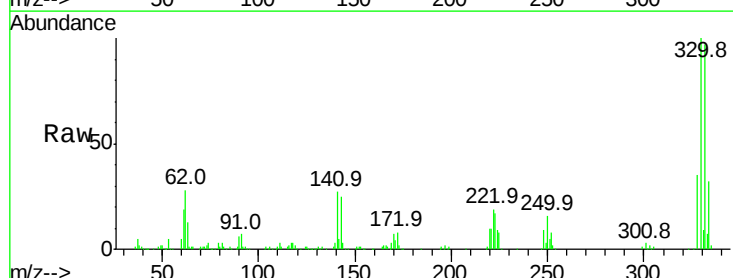
Delta R.T. 0.00 min

Lab File: BG032424.D

Acq: 29 Jan 2018 21:12

Tgt Ion:330 Resp: 269937

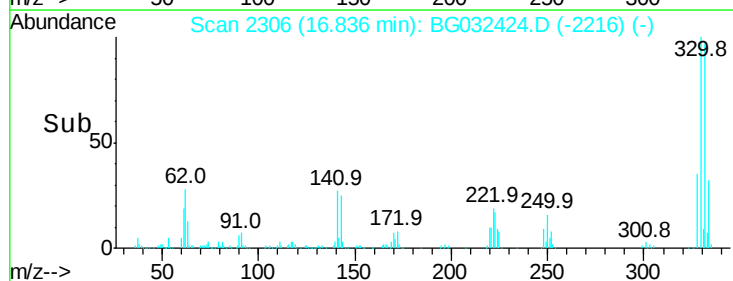
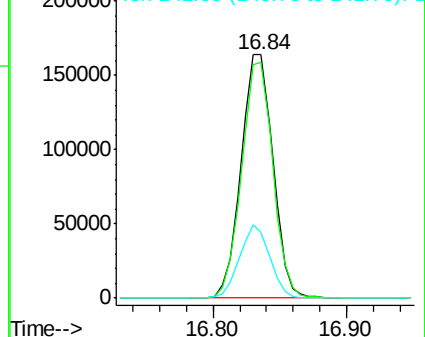
Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.0	115.6
141	28.5	25.2	37.8

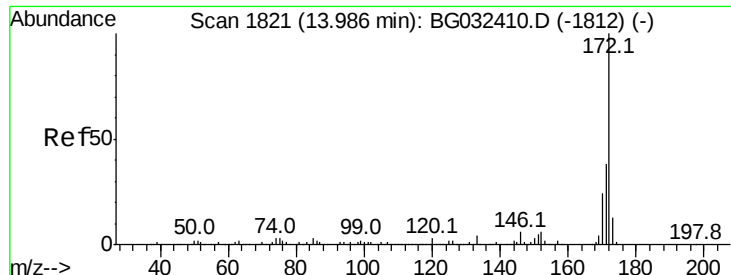


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



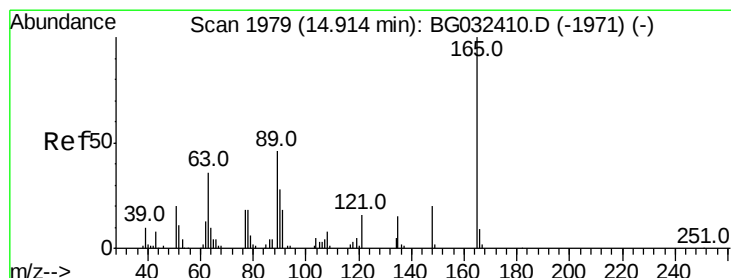
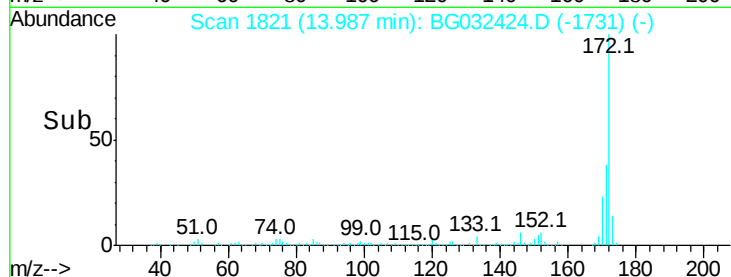
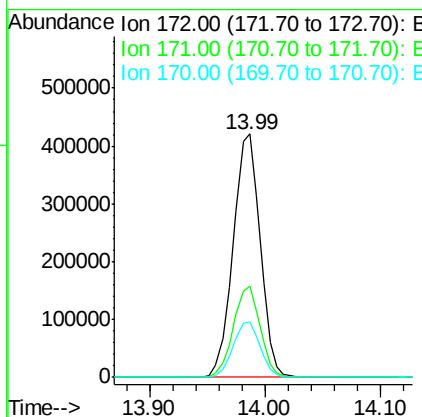
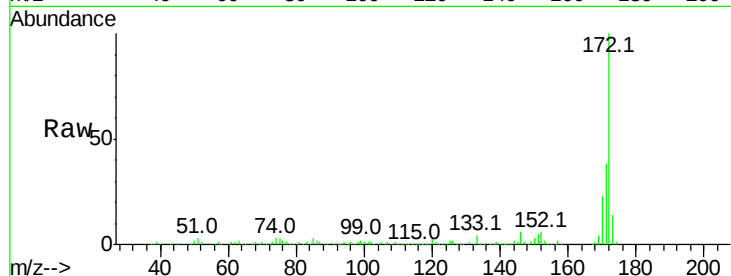


#44
 2-Fluorobiphenyl
 Concen: 96.551 ng
 RT: 13.99 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: BG032424.D
 Acq: 29 Jan 2018 21:12

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:172 Resp: 680019

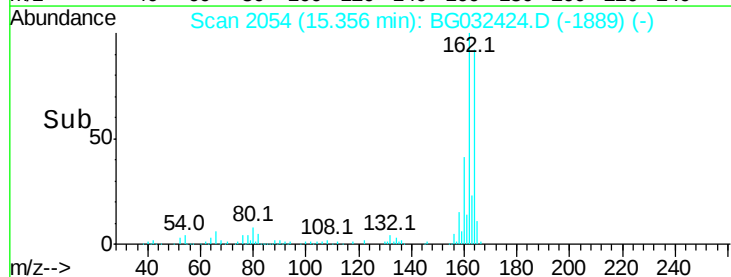
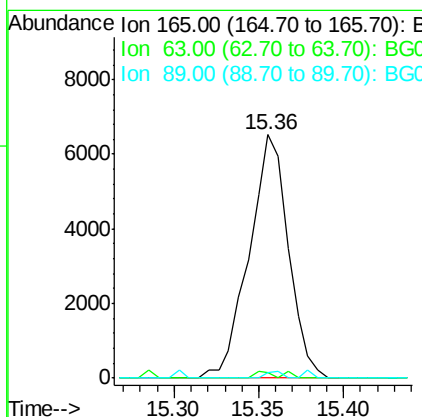
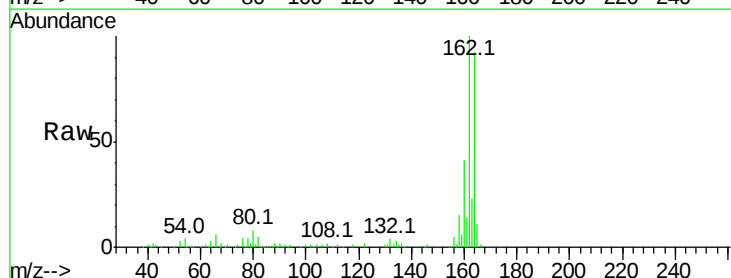
Ion	Ratio	Lower	Upper
172	100		
171	37.6	30.0	45.0
170	22.8	19.5	29.3

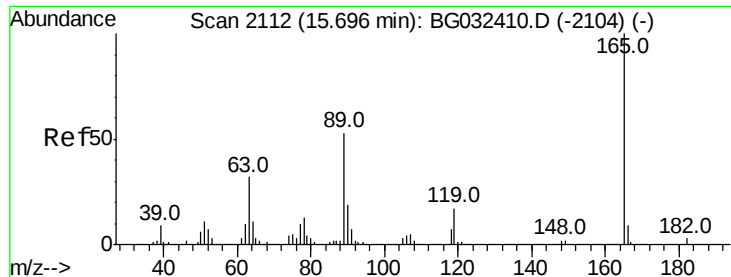


#50
 2,6-Dinitrotoluene
 Concen: 6.489 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. 0.44 min
 Lab File: BG032424.D
 Acq: 29 Jan 2018 21:12

Tgt Ion:165 Resp: 10512

Ion	Ratio	Lower	Upper
165	100		
63	2.3	52.7	79.1#
89	2.3	49.2	73.8#





#56

2,4-Dinitrotoluene

Concen: 4.557 ng

RT: 15.36 min Scan# 2054

Delta R.T. -0.34 min

Lab File: BG032424.D

Acq: 29 Jan 2018 21:12

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 10512

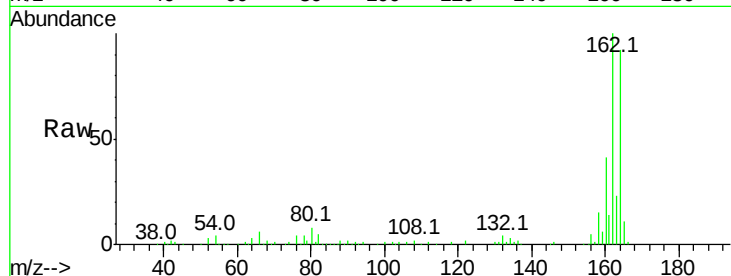
Ion Ratio Lower Upper

165 100

63 2.3 42.0 63.0#

89 2.3 66.9 100.3#

182 0.0 2.6 3.8#

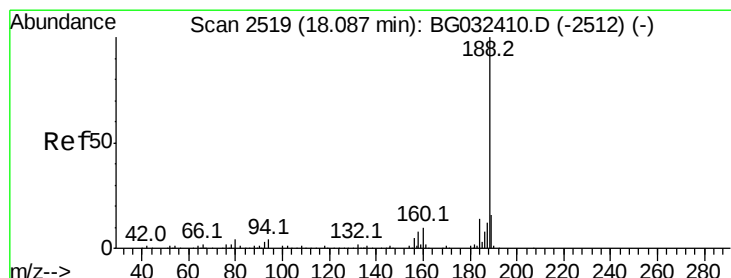
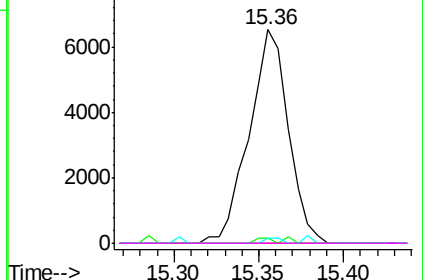
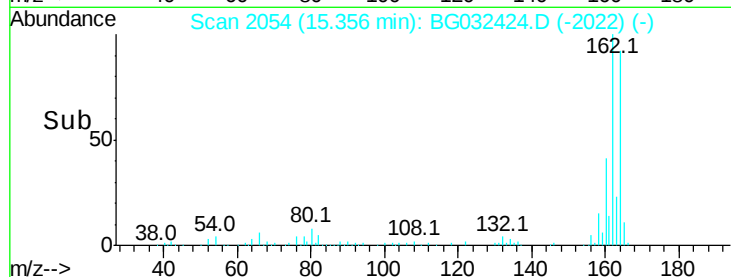


Abundance Ion 165.00 (164.70 to 165.70): E

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: 18.09 min Scan# 2519

Delta R.T. 0.00 min

Lab File: BG032424.D

Acq: 29 Jan 2018 21:12

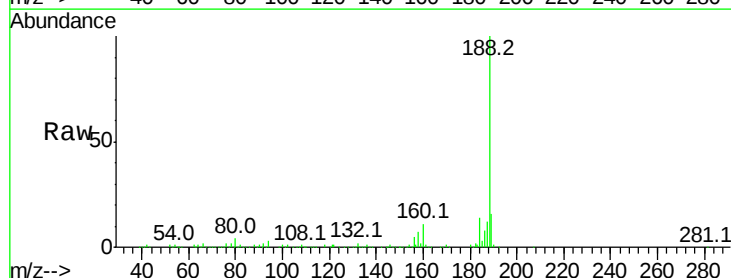
Tgt Ion:188 Resp: 232445

Ion Ratio Lower Upper

188 100

94 3.4 6.9 10.3#

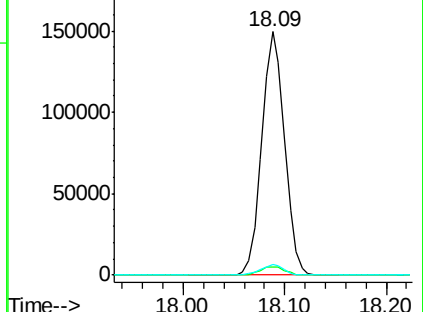
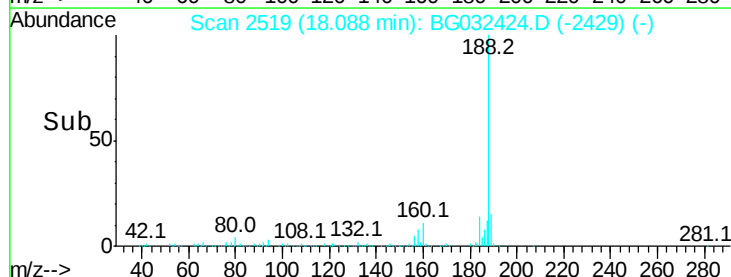
80 4.4 7.7 11.5#

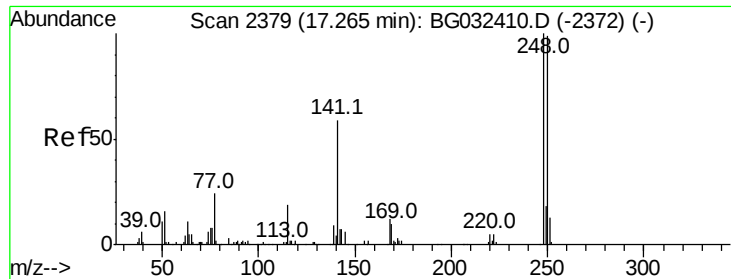


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

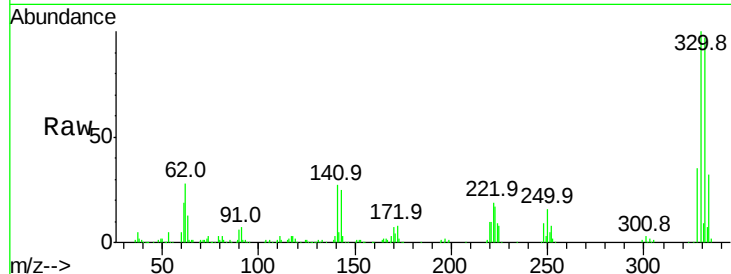




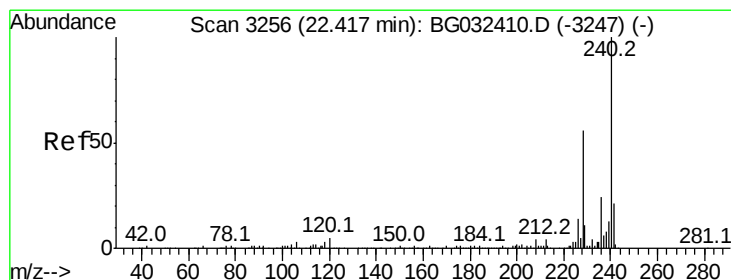
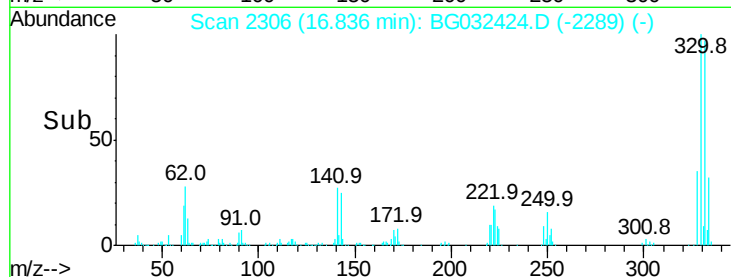
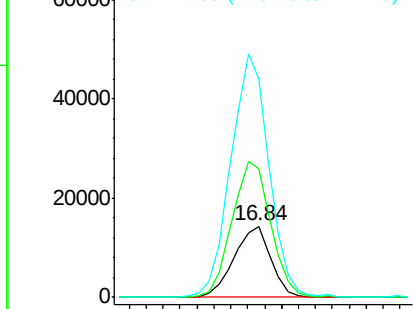
#66
 4-Bromophenyl-phenylether
 Concen: 6.340 ng
 RT: 16.84 min Scan# 2306
 Delta R.T. -0.43 min
 Lab File: BG032424.D
 Acq: 29 Jan 2018 21:12

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 21832
 Ion Ratio Lower Upper
 248 100
 250 180.4 77.1 115.7#
 141 306.5 50.8 76.2#

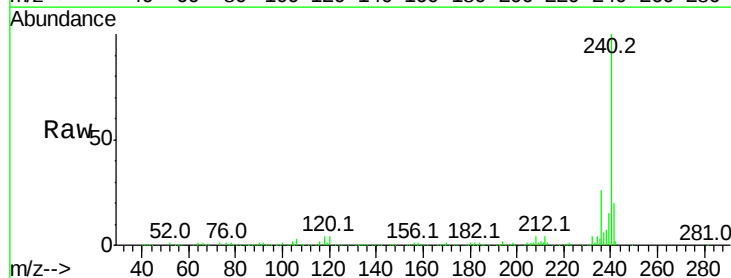


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

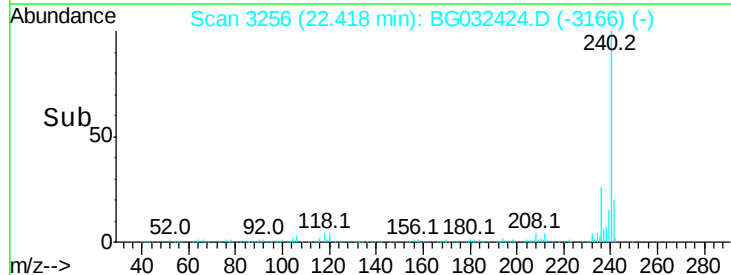
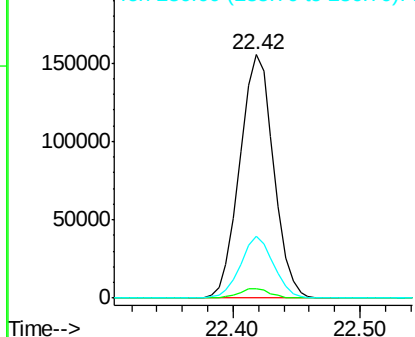


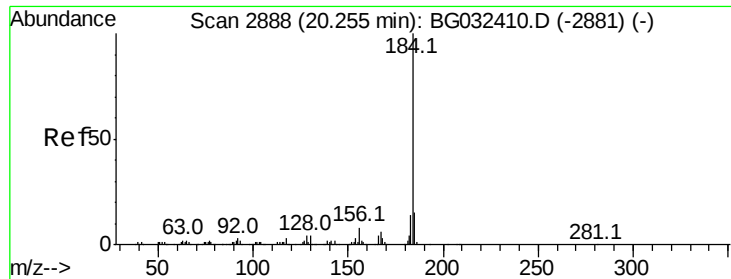
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.42 min Scan# 3256
 Delta R.T. 0.00 min
 Lab File: BG032424.D
 Acq: 29 Jan 2018 21:12

Tgt Ion:240 Resp: 287269
 Ion Ratio Lower Upper
 240 100
 120 3.8 6.8 10.2#
 236 25.6 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: 3.459 ng

RT: 20.63 min Scan# 2951

Delta R.T. 0.37 min

Lab File: BG032424.D

Acq: 29 Jan 2018 21:12

Instrument :

BNA_G

ClientSampleId :

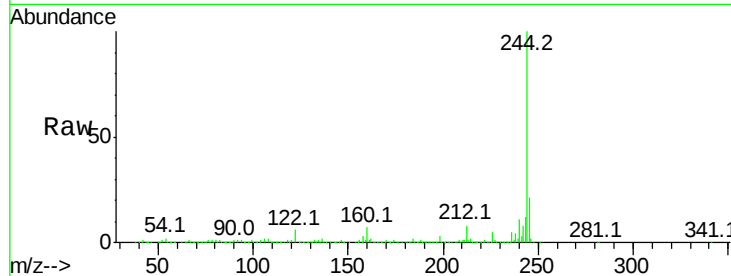
Tot Ion:184 Resp: 19513

Ion Ratio Lower Upper

184 100

185 20.4 11.1 16.7#

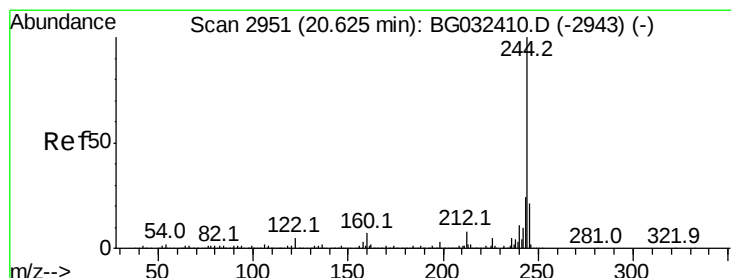
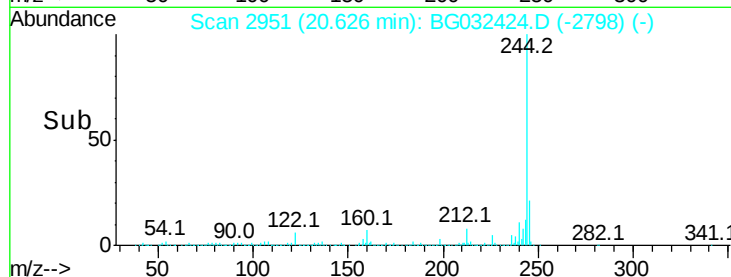
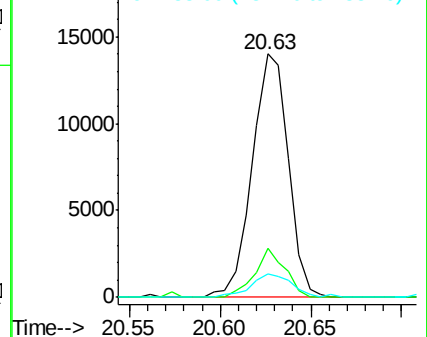
183 9.7 10.6 16.0#



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: 96.766 ng

RT: 20.63 min Scan# 2951

Delta R.T. 0.00 min

Lab File: BG032424.D

Acq: 29 Jan 2018 21:12

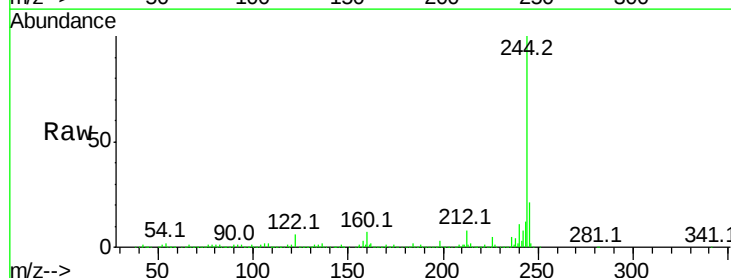
Tgt Ion:244 Resp: 1297709

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.8

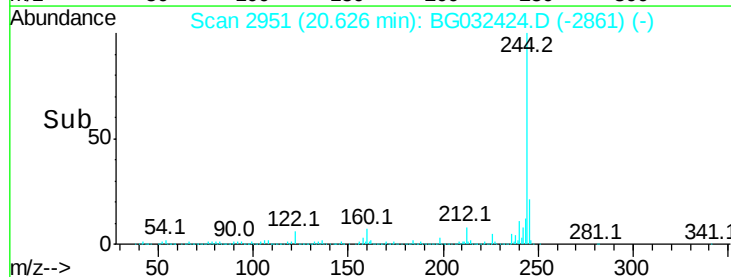
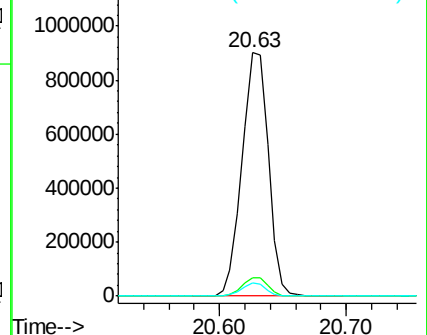
122 5.6 7.0 10.4#

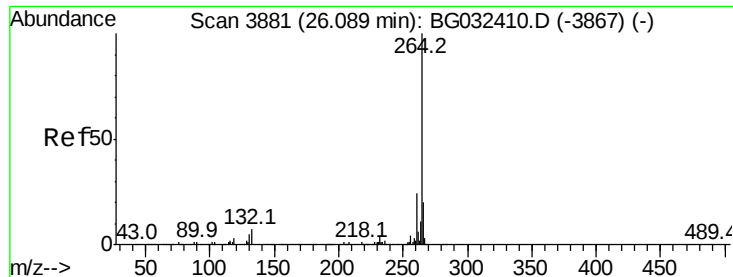


Abundance Ion 244.00 (243.70 to 244.70): E

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: 26.10 min Scan# 3883
Delta R.T. 0.01 min
Lab File: BG032424.D
Acq: 29 Jan 2018 21:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	17.4	26.0
265	22.1	17.7	26.5

