

Data Path : U:\HPCHEM1\BNA G\DATA\BG013118\
 Data File : BG032483.D
 Acq On : 1 Feb 2018 3:25
 Operator : SJ/JU
 Sample : J1383-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 01 04:38:38 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

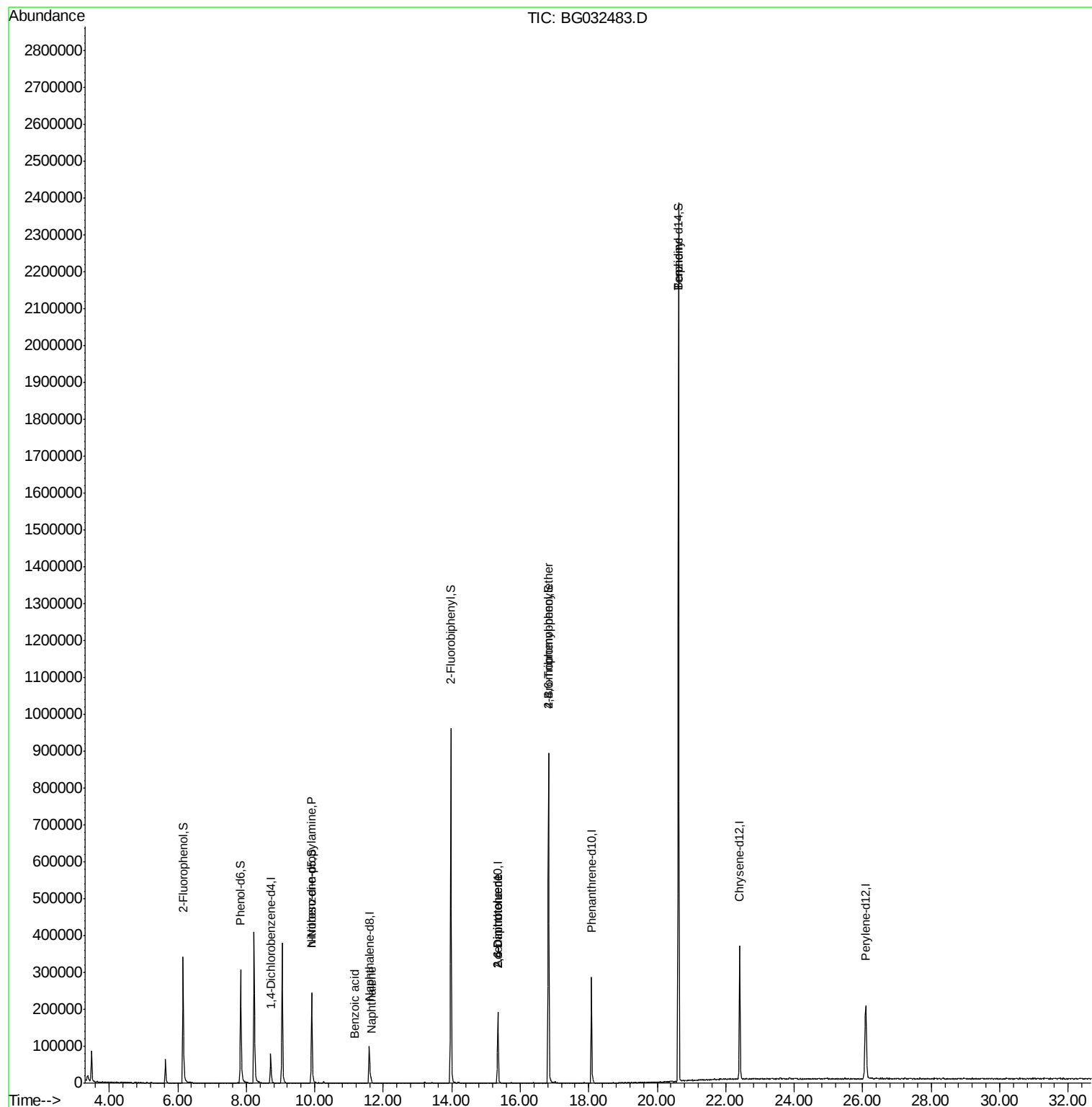
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.71	152	28689	20.00	ng	-0.01
21) Naphthalene-d8	11.59	136	108980	20.00	ng	-0.01
38) Acenaphthene-d10	15.34	164	78116	20.00	ng	-0.01
63) Phenanthrene-d10	18.08	188	209193	20.00	ng	0.00
75) Chrysene-d12	22.41	240	277019	20.00	ng	-0.01
86) Perylene-d12	26.08	264	289097	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.15	112	185779	130.07	ng	0.00
7) Phenol-d6	7.83	99	209571	109.95	ng	0.00
23) Nitrobenzene-d5	9.91	82	162902	93.37	ng	-0.01
41) 2,4,6-Tribromophenol	16.82	330	216933	145.89	ng	-0.01
44) 2-Fluorobiphenyl	13.97	172	597929	90.98	ng	-0.01
78) Terphenyl-d14	20.62	244	1260654	97.48	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.91	70	25166	19.914	ng	# 70
31) Naphthalene	11.65	128	13791	2.591	ng	# 89
32) Benzoic acid	11.16	122	54	7.325	ng	# 1
50) 2,6-Dinitrotoluene	15.34	165	10326	6.830	ng	# 18
56) 2,4-Dinitrotoluene	15.34	165	10326	4.797	ng	# 16
66) 4-Bromophenyl-phenylether	16.82	248	18338	5.917	ng	# 1
76) Benzidine	20.62	184	18258	3.357	ng	# 88

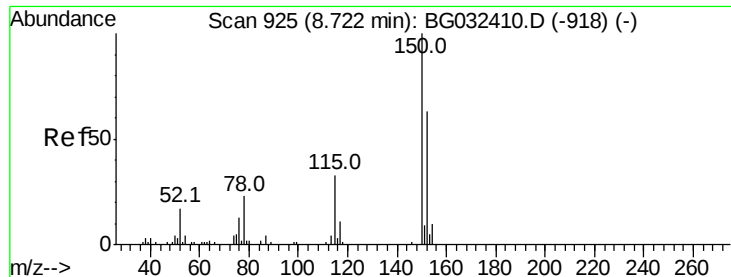
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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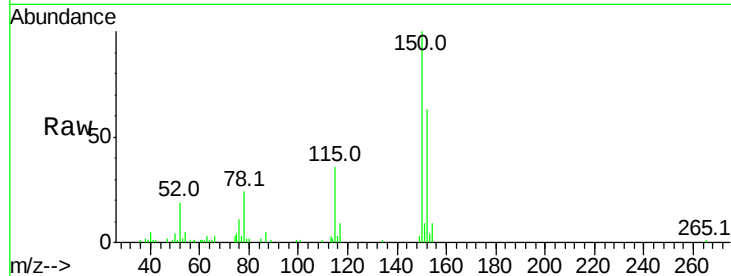


#1

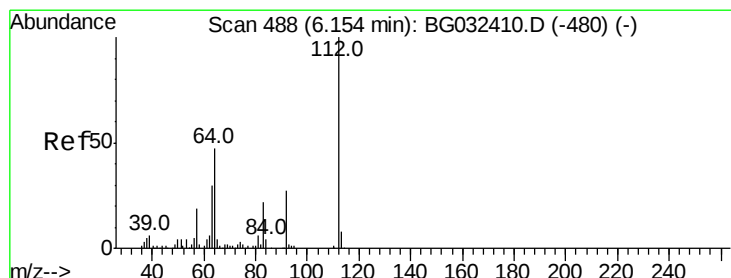
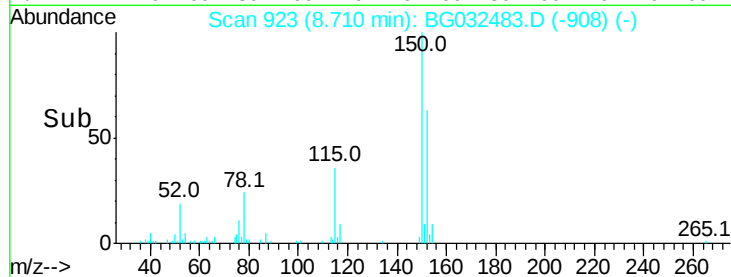
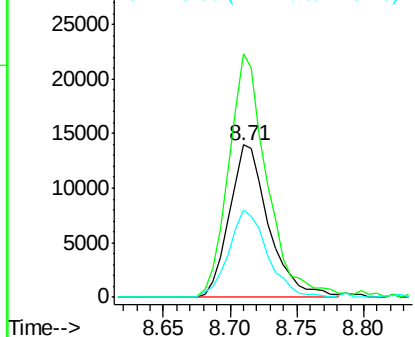
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.71 min Scan# 923
Delta R.T. -0.01 min
Lab File: BG032483.D
Acq: 1 Feb 2018 3:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 28689
Ion Ratio Lower Upper
152 100
150 159.6 126.6 189.8
115 57.3 53.0 79.4



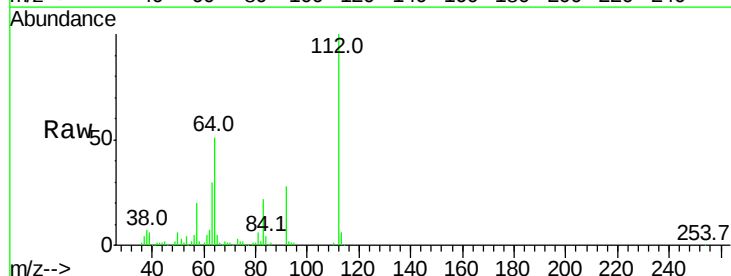
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



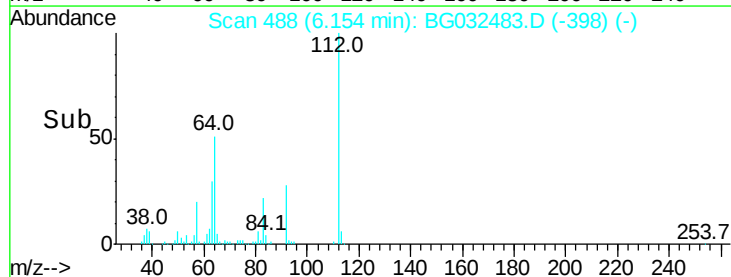
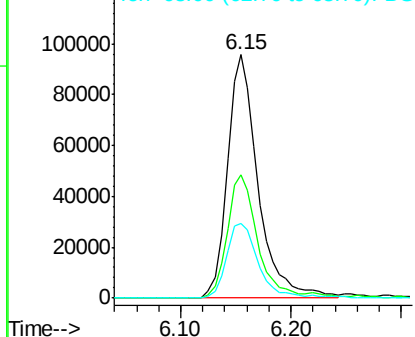
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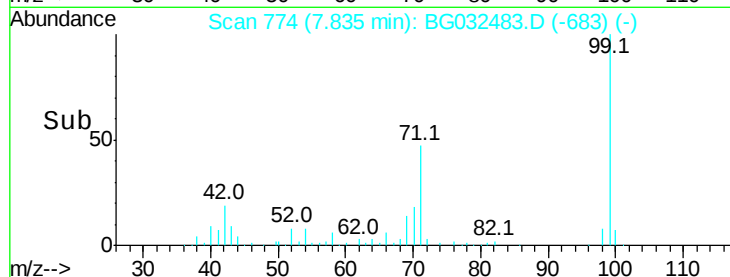
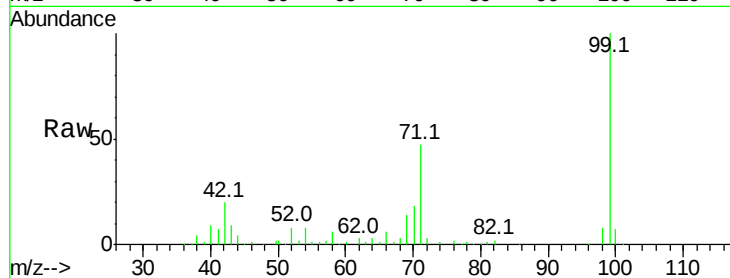
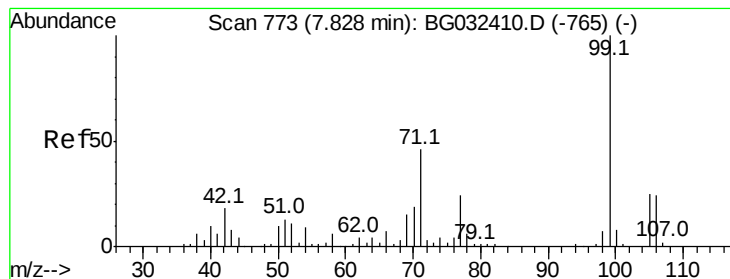
2-Fluorophenol
Concen: 130.066 ng
RT: 6.15 min Scan# 488
Delta R.T. 0.00 min
Lab File: BG032483.D
Acq: 1 Feb 2018 3:25

Tgt Ion:112 Resp: 185779
Ion Ratio Lower Upper
112 100
64 50.6 56.3 84.5#
63 30.4 30.1 45.1



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





#7

Phenol-d6

Concen: 109.953 ng

RT: 7.83 min Scan# 774

Delta R.T. 0.01 min

Lab File: BG032483.D

Acq: 1 Feb 2018 3:25

Instrument :

BNA_G

ClientSampled :

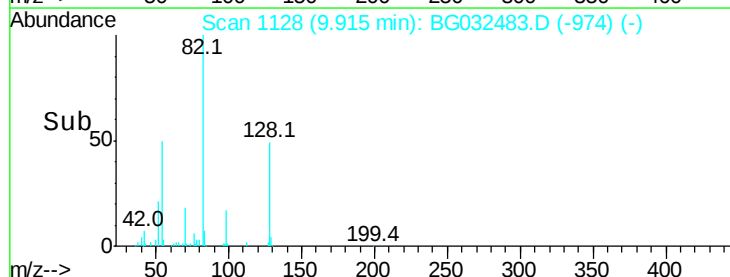
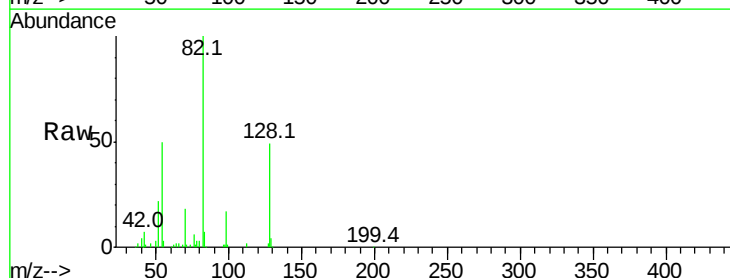
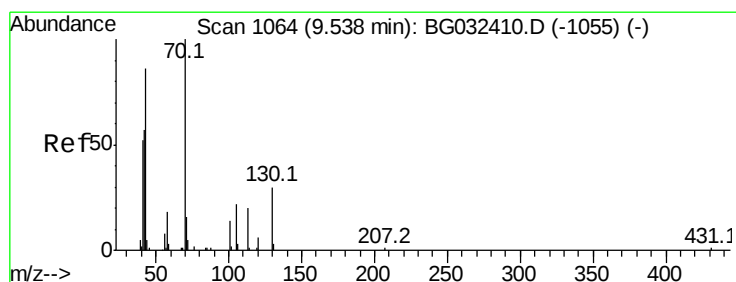
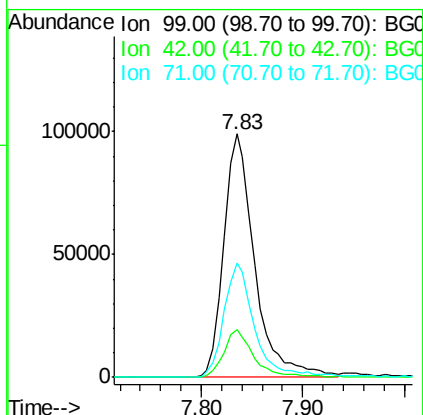
Tot Ion: 99 Resp: 209571

Ion Ratio Lower Upper

99 100

42 19.6 14.1 21.1

71 46.8 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 19.914 ng

RT: 9.91 min Scan# 1128

Delta R.T. 0.38 min

Lab File: BG032483.D

Acq: 1 Feb 2018 3:25

Tgt Ion: 70 Resp: 25166

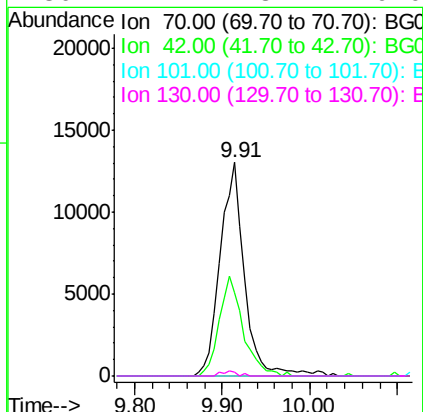
Ion Ratio Lower Upper

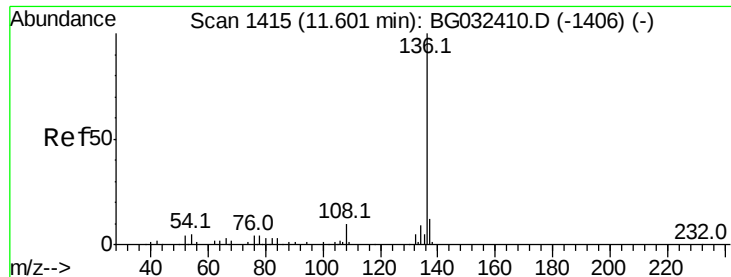
70 100

42 39.0 49.1 73.7#

101 0.0 8.5 12.7#

130 2.1 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.59 min Scan# 1413

Delta R.T. -0.01 min

Lab File: BG032483.D

Acq: 1 Feb 2018 3:25

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 108980

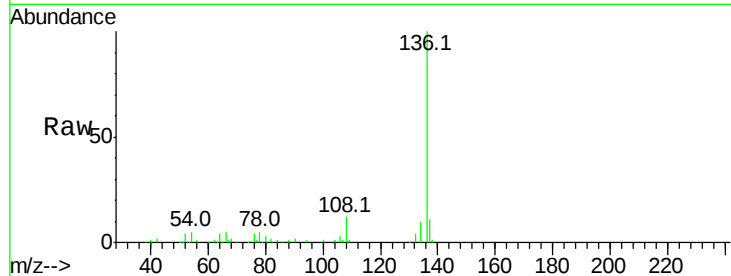
Ion Ratio Lower Upper

136 100

137 11.0 9.2 13.8

54 5.3 10.3 15.5#

68 2.3 4.5 6.7#

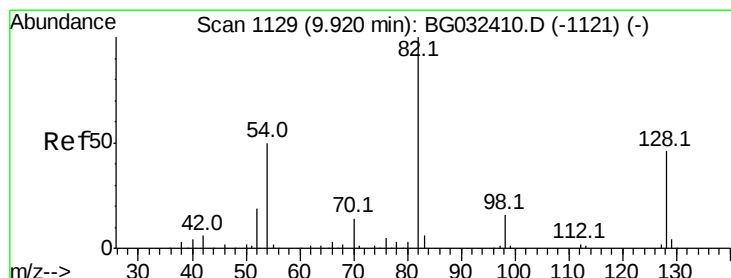
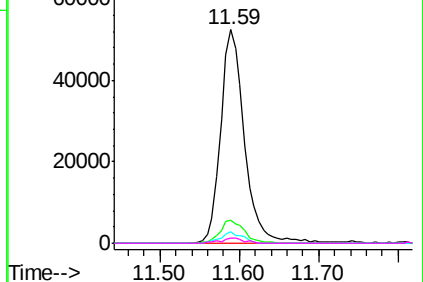
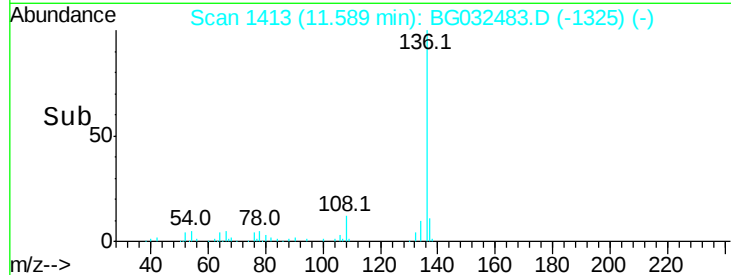


Abundance Ion 136.00 (135.70 to 136.70): E

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: 93.365 ng

RT: 9.91 min Scan# 1127

Delta R.T. -0.01 min

Lab File: BG032483.D

Acq: 1 Feb 2018 3:25

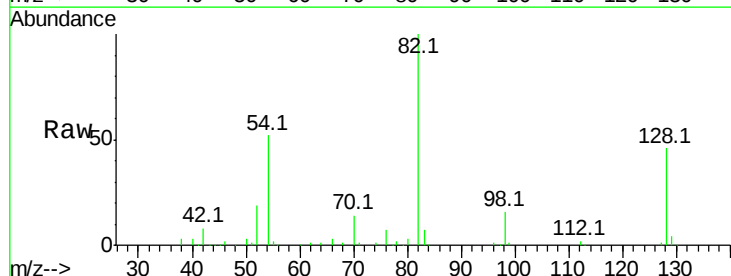
Tgt Ion: 82 Resp: 162902

Ion Ratio Lower Upper

82 100

128 46.5 29.7 44.5#

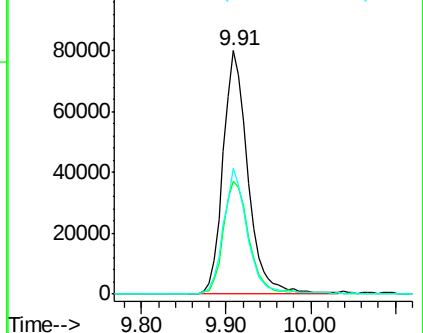
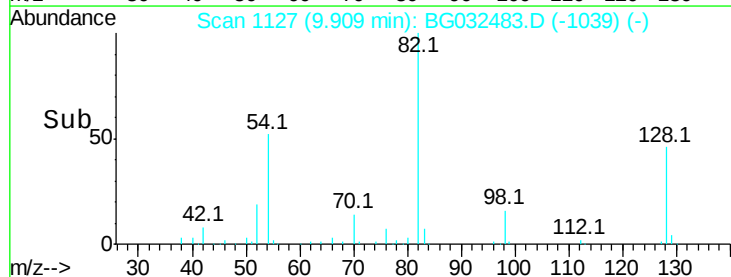
54 51.6 43.1 64.7

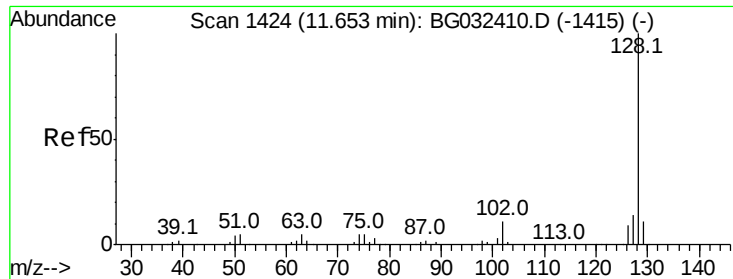


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

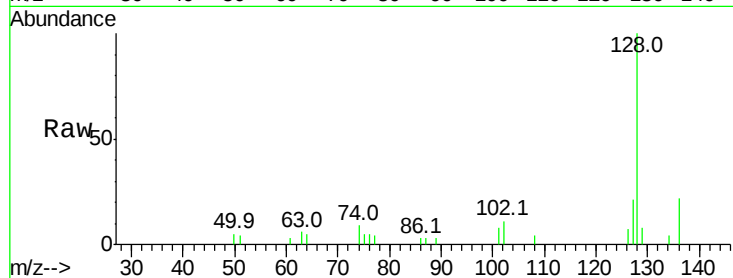




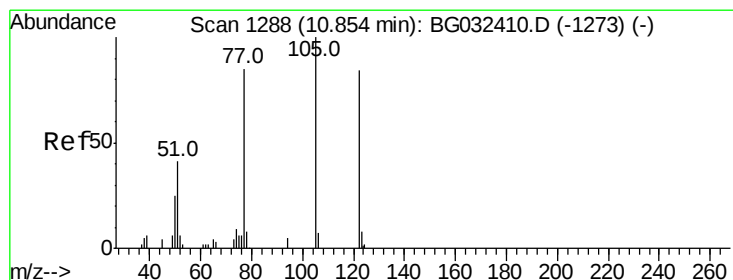
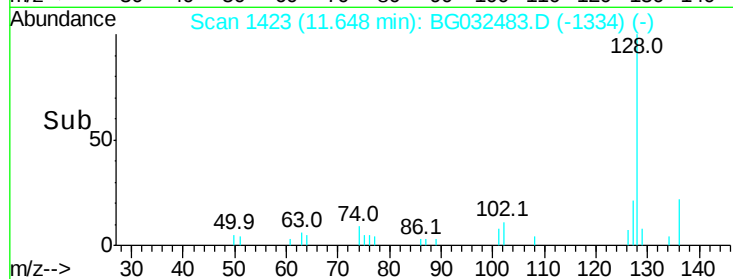
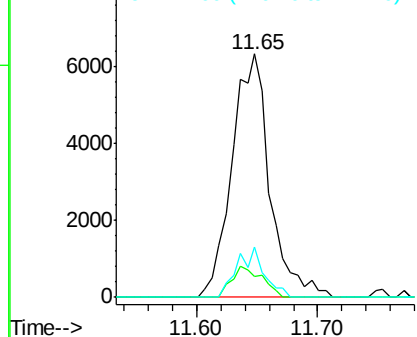
#31
Naphthalene
Concen: 2.591 ng
RT: 11.65 min Scan# 1423
Delta R.T. -0.01 min
Lab File: BG032483.D
Acq: 1 Feb 2018 3:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion:128 Resp: 13791
Ion Ratio Lower Upper
128 100
129 8.4 8.6 12.8#
127 20.5 11.6 17.4#

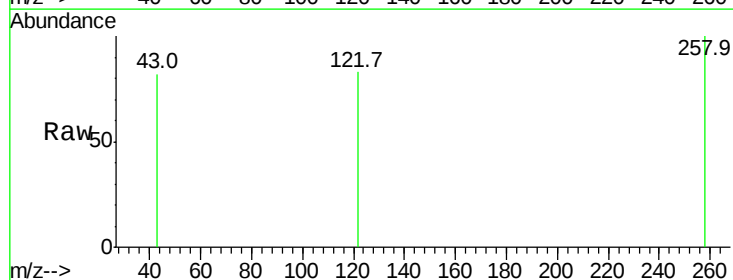


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

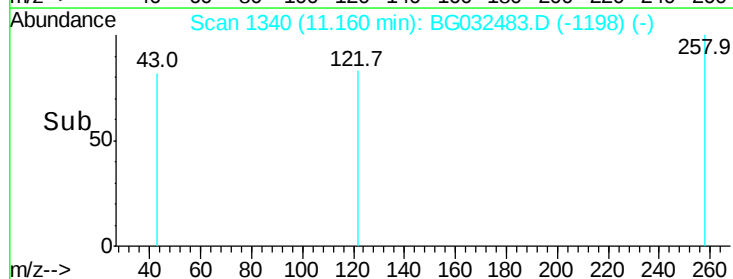
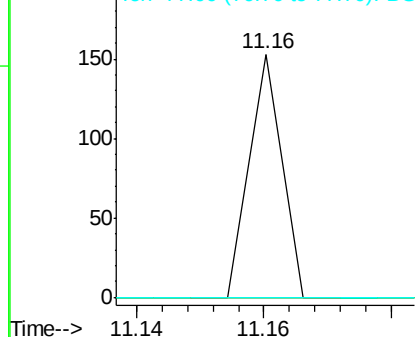


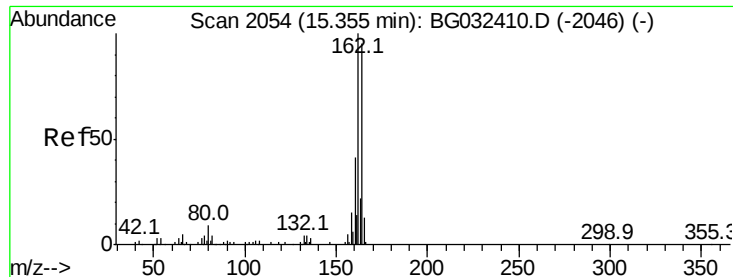
#32
Benzoic acid
Concen: 7.325 ng
RT: 11.16 min Scan# 1340
Delta R.T. 0.31 min
Lab File: BG032483.D
Acq: 1 Feb 2018 3:25

Tgt Ion:122 Resp: 54
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): BG





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.34 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BG032483.D

Acq: 1 Feb 2018 3:25

Instrument :

BNA_G

ClientSampleId :

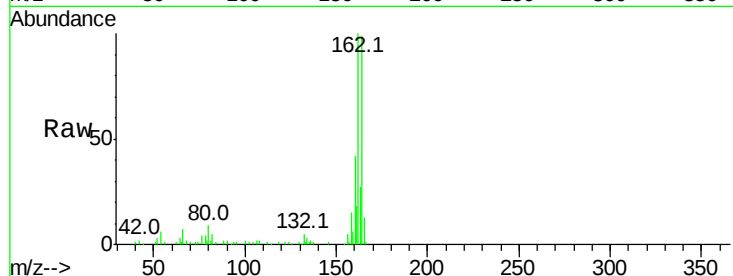
Tot Ion:164 Resp: 78116

Ion Ratio Lower Upper

164 100

162 101.5 78.8 118.2

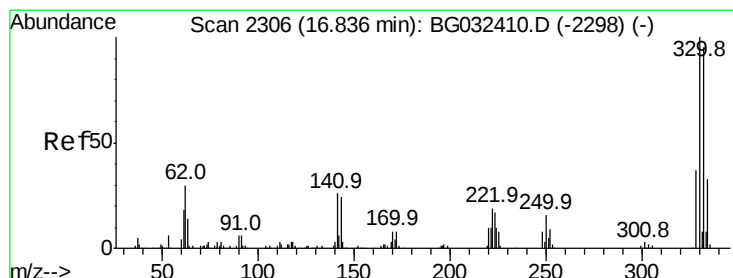
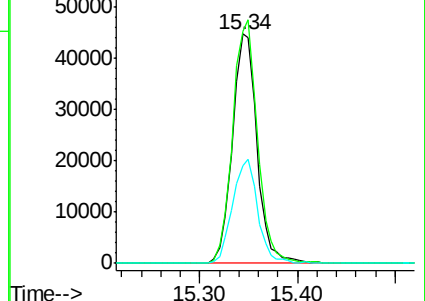
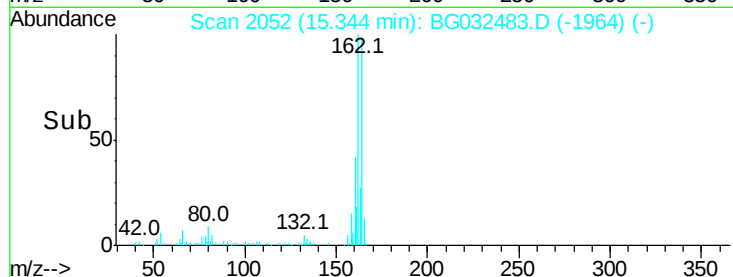
160 42.7 35.4 53.0



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: 145.892 ng

RT: 16.82 min Scan# 2304

Delta R.T. -0.01 min

Lab File: BG032483.D

Acq: 1 Feb 2018 3:25

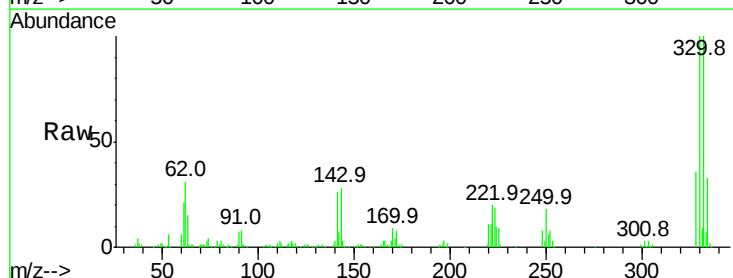
Tgt Ion:330 Resp: 216933

Ion Ratio Lower Upper

330 100

332 97.5 77.0 115.6

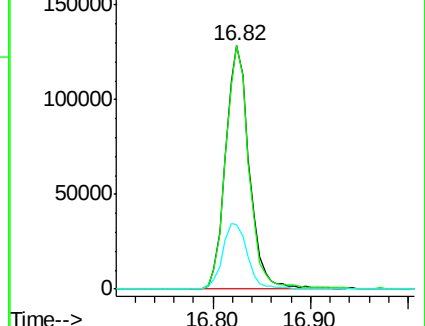
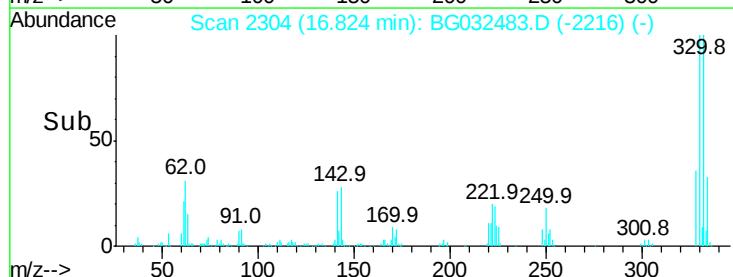
141 28.2 25.2 37.8

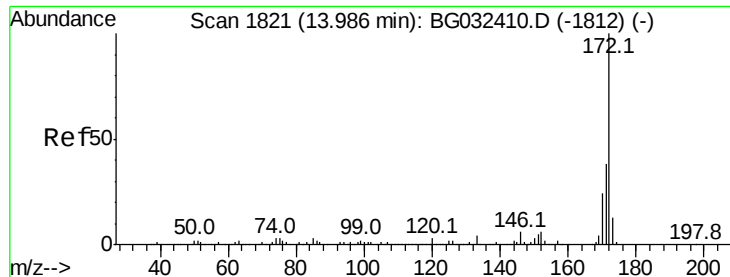


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

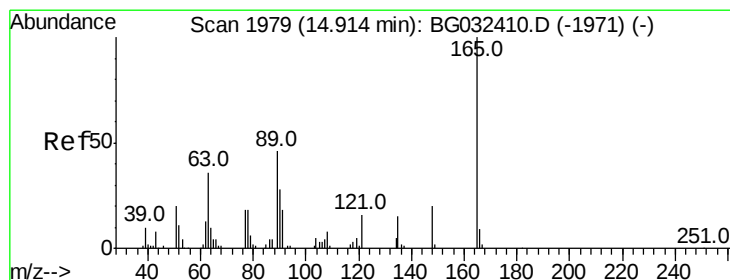
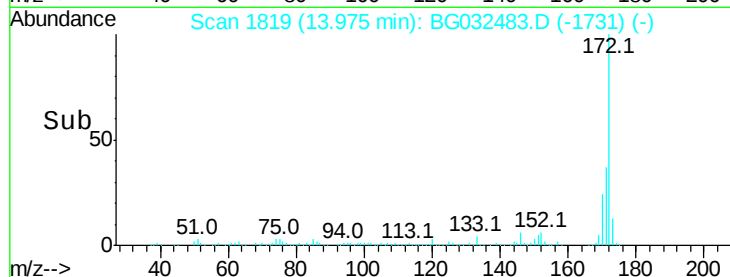
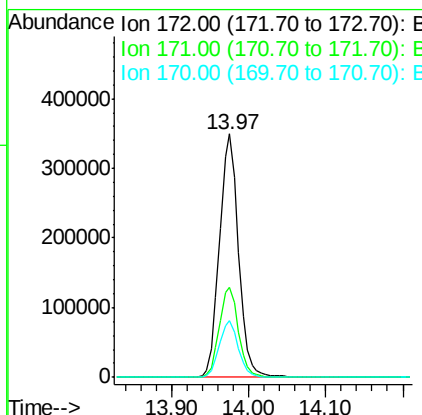
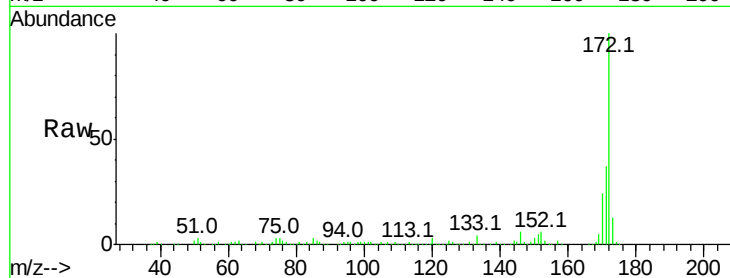




#44
 2-Fluorobiphenyl
 Concen: 90.977 ng
 RT: 13.97 min Scan# 1819
 Delta R.T. -0.01 min
 Lab File: BG032483.D
 Acq: 1 Feb 2018 3:25

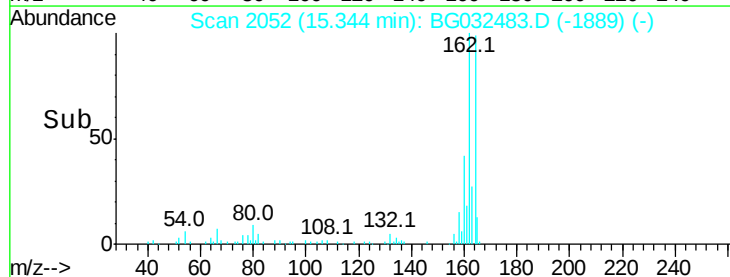
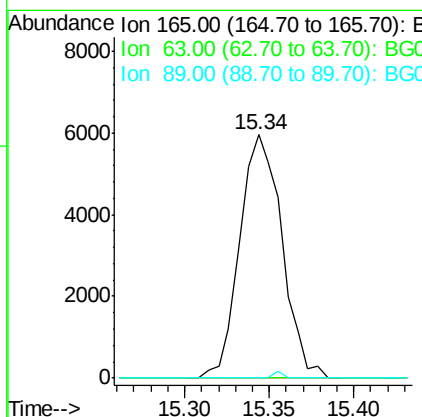
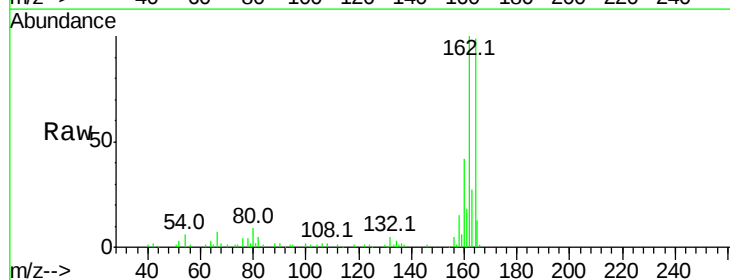
Instrument :
 BNA_G
 ClientSampleId :

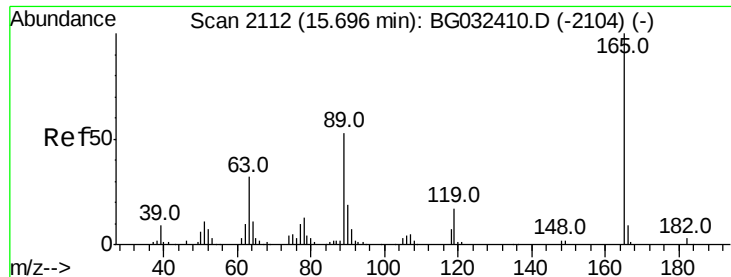
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.1	30.0	45.0
170	23.6	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 6.830 ng
 RT: 15.34 min Scan# 2052
 Delta R.T. 0.43 min
 Lab File: BG032483.D
 Acq: 1 Feb 2018 3:25

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

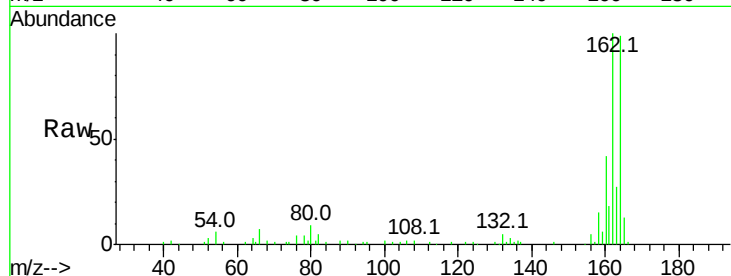




#56
 2,4-Dinitrotoluene
 Concen: 4.797 ng
 RT: 15.34 min Scan# 2052
 Delta R.T. -0.35 min
 Lab File: BG032483.D
 Acq: 1 Feb 2018 3:25

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#

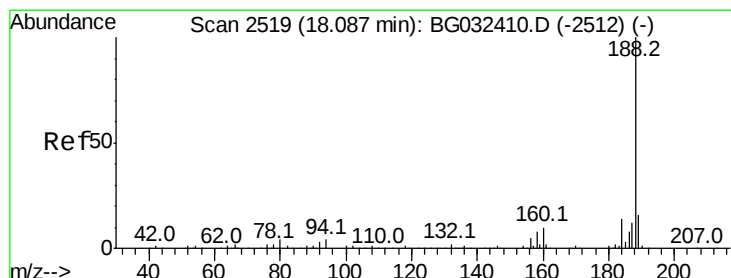
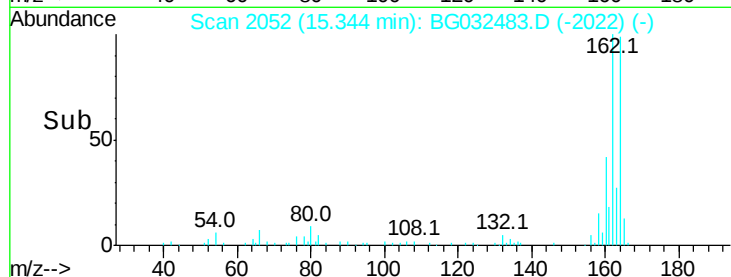
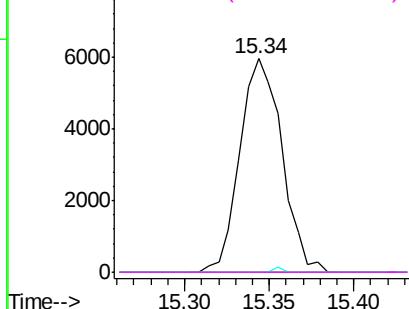


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

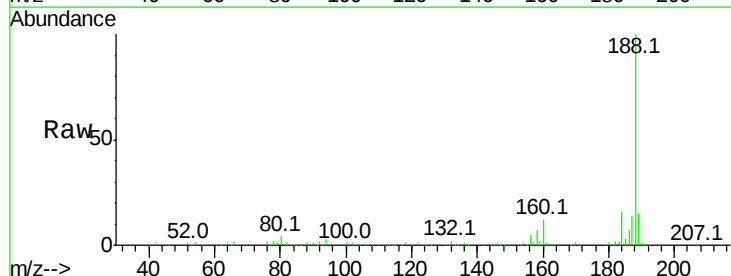
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.08 min Scan# 2518
 Delta R.T. -0.01 min
 Lab File: BG032483.D
 Acq: 1 Feb 2018 3:25

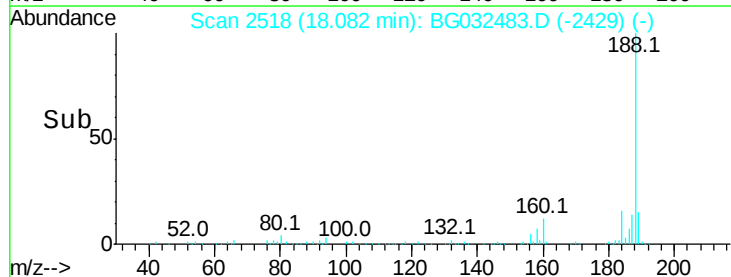
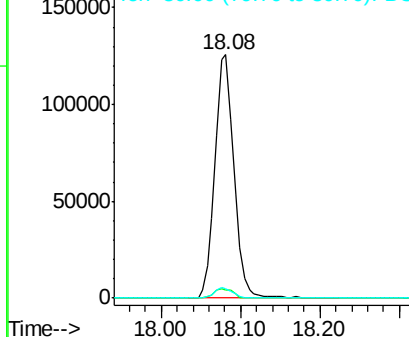
Tgt Ion	Ratio	Lower	Upper
188	100		
94	3.4	6.9	10.3#
80	4.0	7.7	11.5#

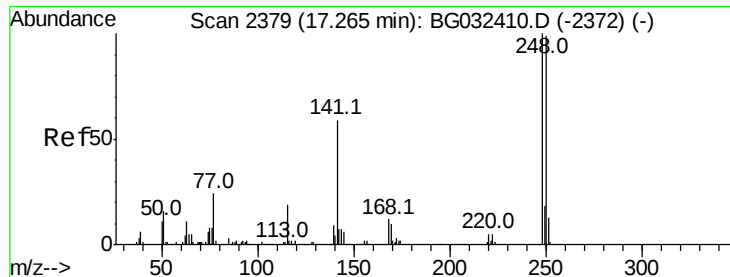


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

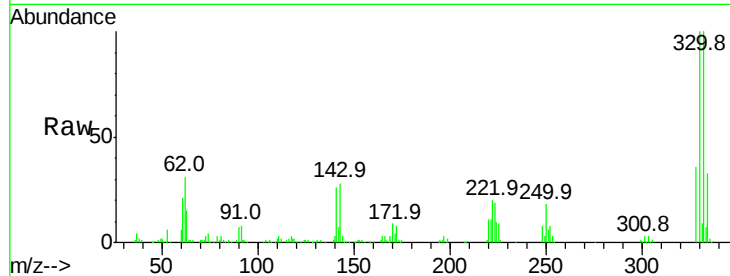




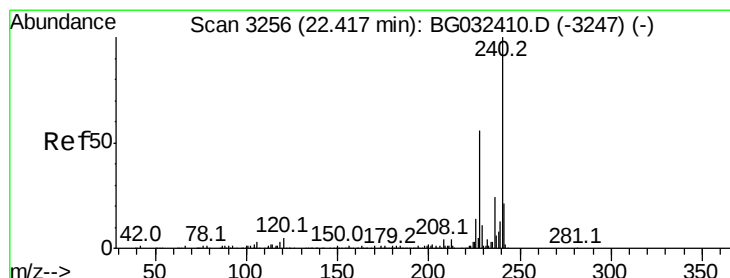
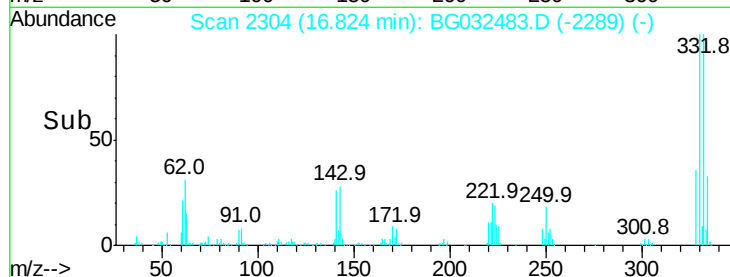
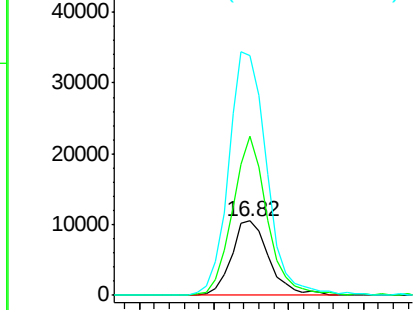
#66
 4-Bromophenyl-phenylether
 Concen: 5.917 ng
 RT: 16.82 min Scan# 2304
 Delta R.T. -0.44 min
 Lab File: BG032483.D
 Acq: 1 Feb 2018 3:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 18338
 Ion Ratio Lower Upper
 248 100
 250 215.5 77.1 115.7#
 141 324.2 50.8 76.2#

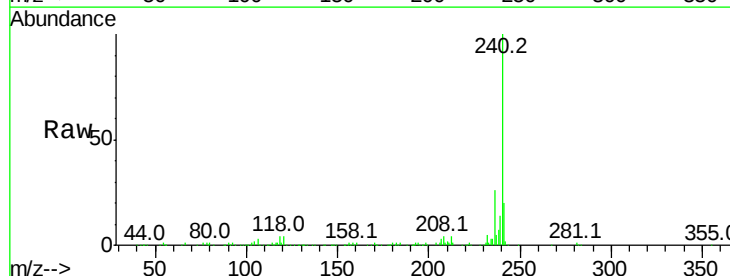


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

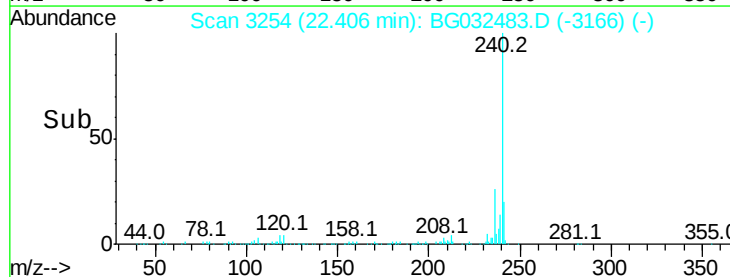
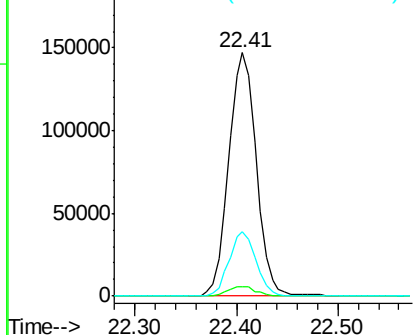


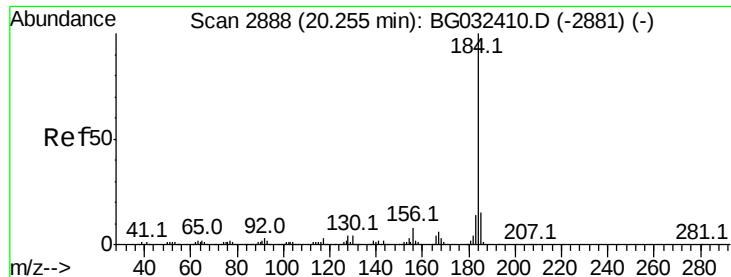
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.41 min Scan# 3254
 Delta R.T. -0.01 min
 Lab File: BG032483.D
 Acq: 1 Feb 2018 3:25

Tgt Ion:240 Resp: 277019
 Ion Ratio Lower Upper
 240 100
 120 3.9 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

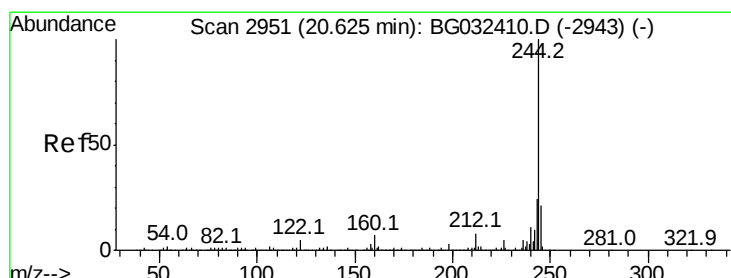
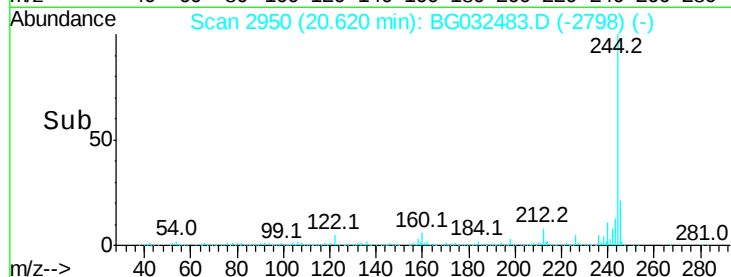
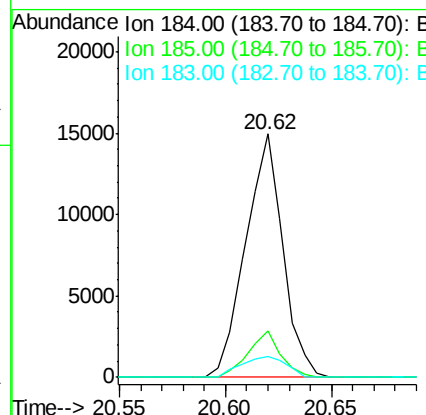
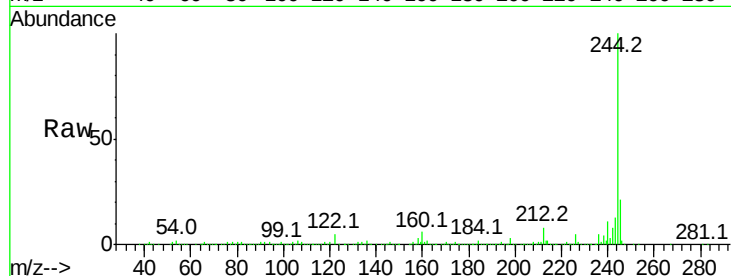




#76
Benzidine
Concen: 3.357 ng
RT: 20.62 min Scan# 2950
Delta R.T. 0.36 min
Lab File: BG032483.D
Acq: 1 Feb 2018 3:25

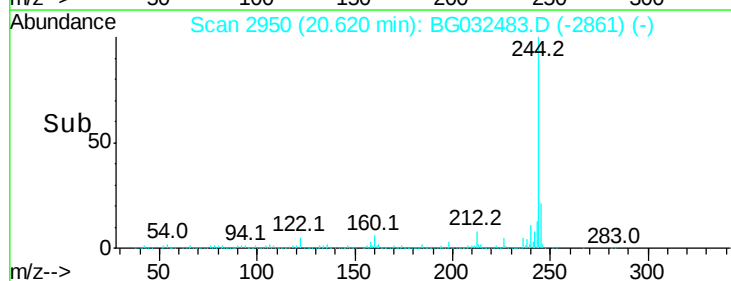
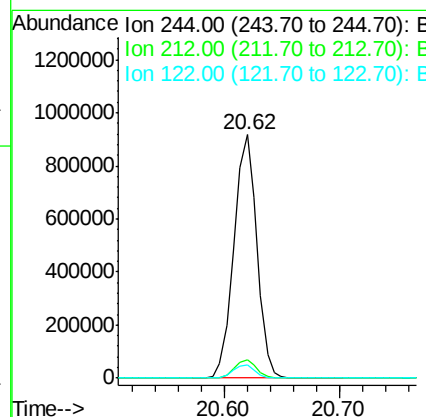
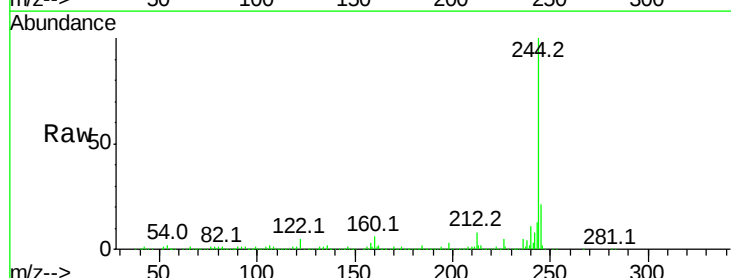
Instrument :
BNA_G
ClientSampleId :

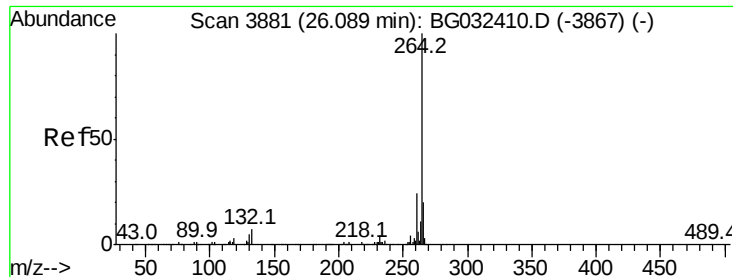
Tot Ion:184 Resp: 18258
Ion Ratio Lower Upper
184 100
185 18.8 11.1 16.7#
183 8.5 10.6 16.0#



#78
Terphenyl-d14
Concen: 97.482 ng
RT: 20.62 min Scan# 2950
Delta R.T. -0.01 min
Lab File: BG032483.D
Acq: 1 Feb 2018 3:25

Tgt Ion:244 Resp: 1260654
Ion Ratio Lower Upper
244 100
212 7.5 5.8 8.8
122 5.2 7.0 10.4#

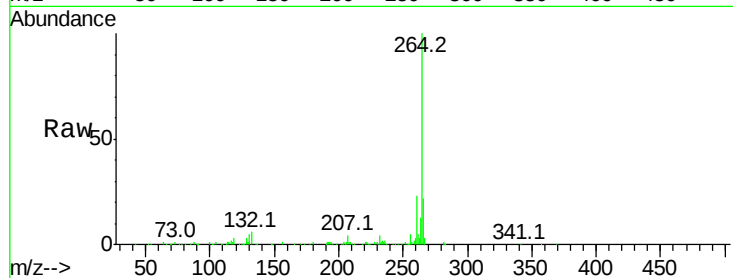




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.08 min Scan# 3880
 Delta R.T. -0.01 min
 Lab File: BG032483.D
 Acq: 1 Feb 2018 3:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	17.4	26.0
265	22.3	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

