

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012918\
 Data File : BG032439.D
 Acq On : 30 Jan 2018 9:04
 Operator : SJ/JU
 Sample : PB106136BL
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 30 10:56:45 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

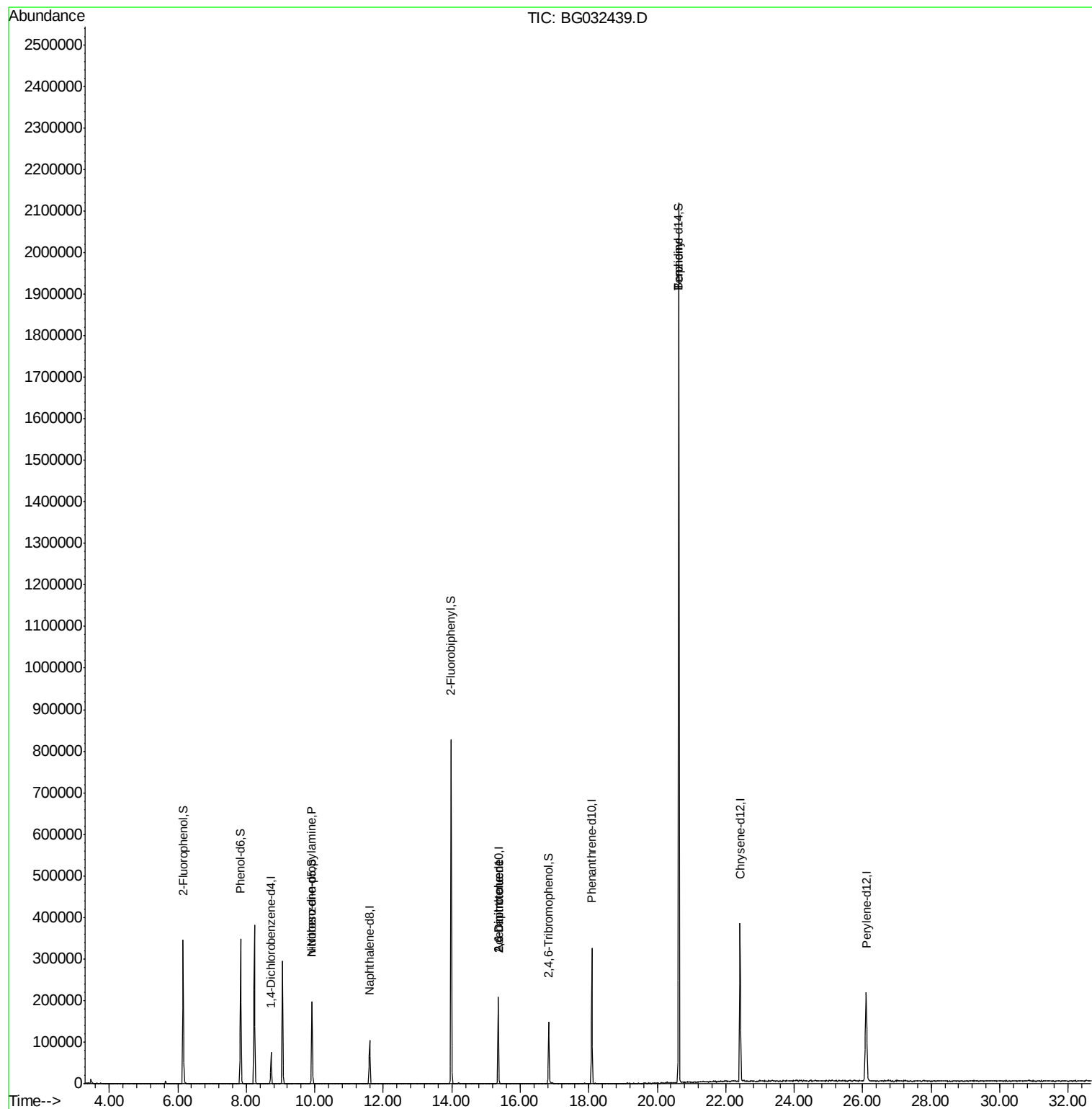
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.72	152	25400	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	102501	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	76521	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	224447	20.00	ng	0.00
75) Chrysene-d12	22.42	240	281747	20.00	ng	0.00
86) Perylene-d12	26.10	264	303343	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.15	112	167643	132.57	ng	0.00
7) Phenol-d6	7.84	99	205250	121.63	ng	0.00
23) Nitrobenzene-d5	9.91	82	121435	74.00	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	37427	25.70	ng	0.00
44) 2-Fluorobiphenyl	13.98	172	477555	74.18	ng	0.00
78) Terphenyl-d14	20.63	244	1101241	83.73	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.92	70	18164	16.234	ng	# 76
50) 2,6-Dinitrotoluene	15.36	165	10176	6.872	ng	# 18
56) 2,4-Dinitrotoluene	15.36	165	10176	4.826	ng	# 16
76) Benzidine	20.63	184	15299	2.765	ng	94

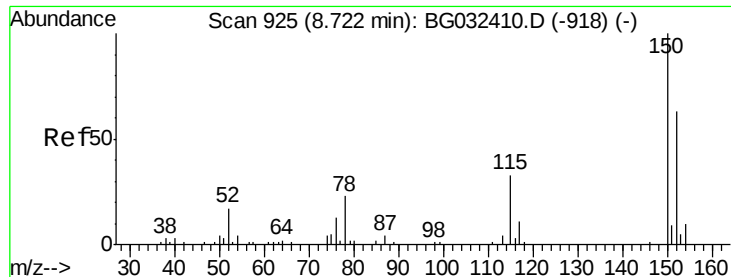
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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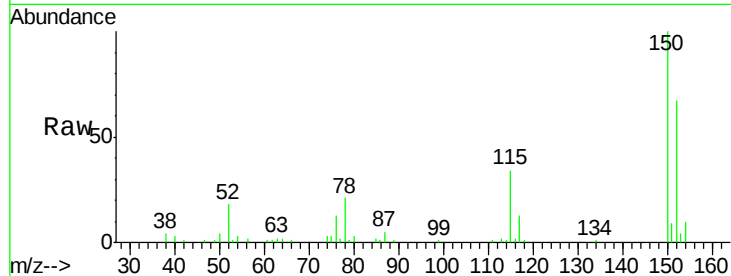


#1

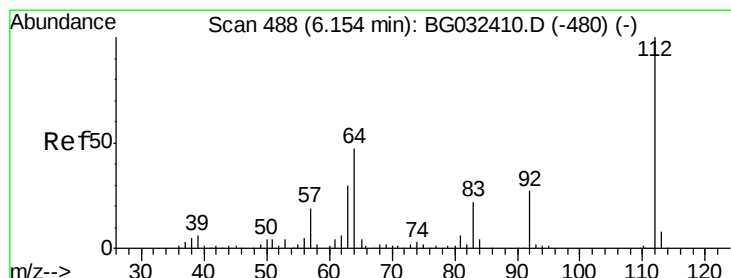
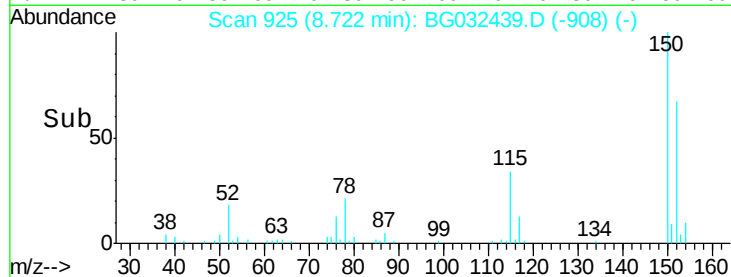
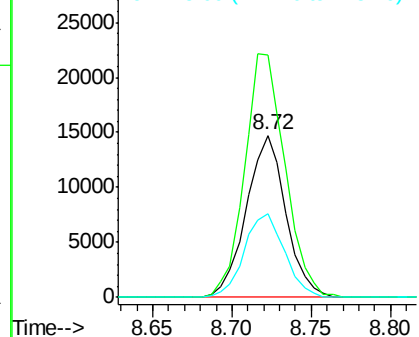
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.72 min Scan# 925
Delta R.T. 0.00 min
Lab File: BG032439.D
Acq: 30 Jan 2018 9:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 25400
Ion Ratio Lower Upper
152 100
150 149.5 126.6 189.8
115 51.2 53.0 79.4#



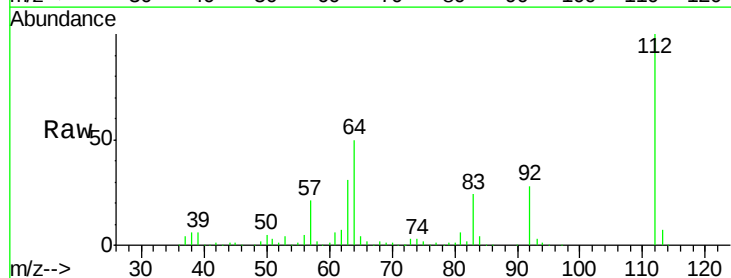
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



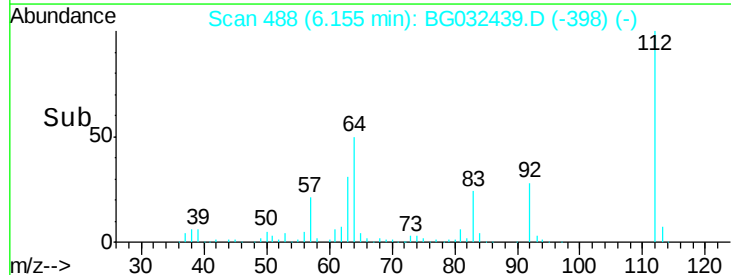
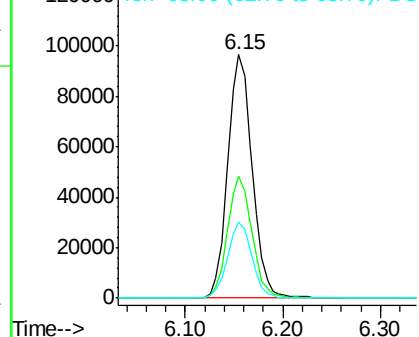
#5

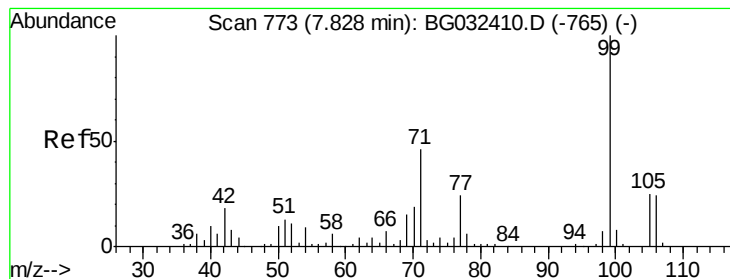
2-Fluorophenol
Concen: 132.567 ng
RT: 6.15 min Scan# 488
Delta R.T. 0.00 min
Lab File: BG032439.D
Acq: 30 Jan 2018 9:04

Tgt Ion:112 Resp: 167643
Ion Ratio Lower Upper
112 100
64 50.0 56.3 84.5#
63 31.4 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: 121.630 ng

RT: 7.84 min Scan# 774

Delta R.T. 0.01 min

Lab File: BG032439.D

Acq: 30 Jan 2018 9:04

Instrument :

BNA_G

ClientSampleId :

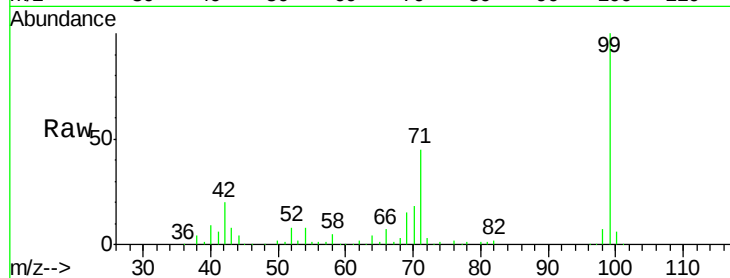
Tot Ion: 99 Resp: 205250

Ion Ratio Lower Upper

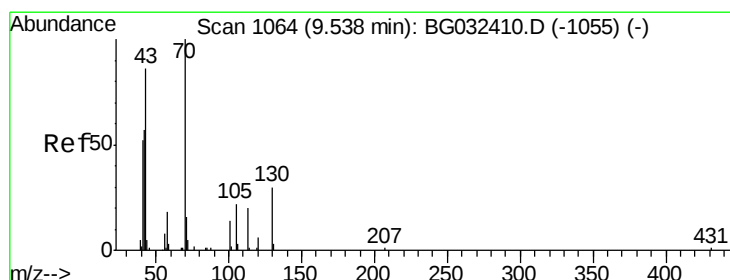
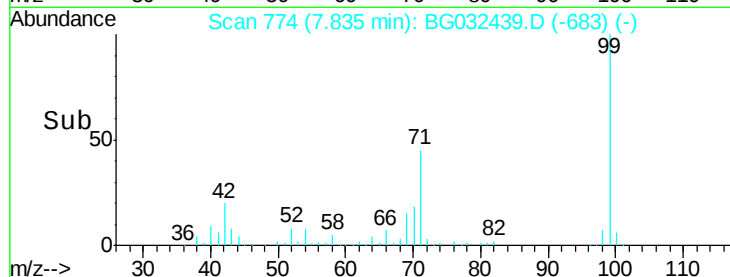
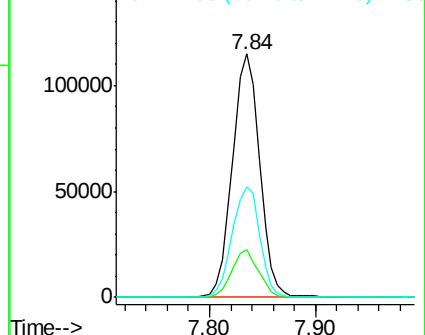
99 100

42 19.6 14.1 21.1

71 45.3 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: 16.234 ng

RT: 9.92 min Scan# 1129

Delta R.T. 0.38 min

Lab File: BG032439.D

Acq: 30 Jan 2018 9:04

Tgt Ion: 70 Resp: 18164

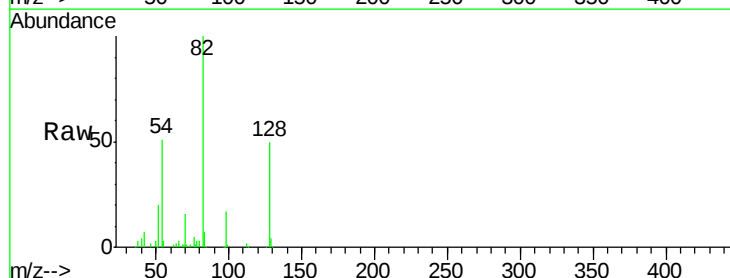
Ion Ratio Lower Upper

70 100

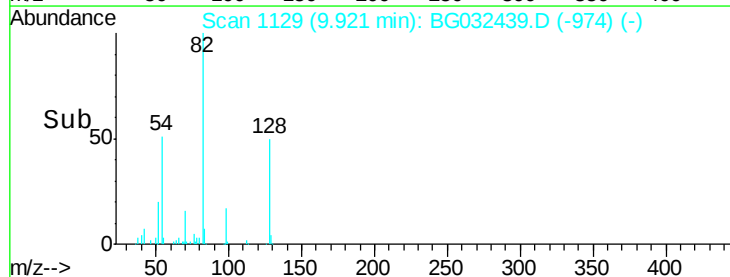
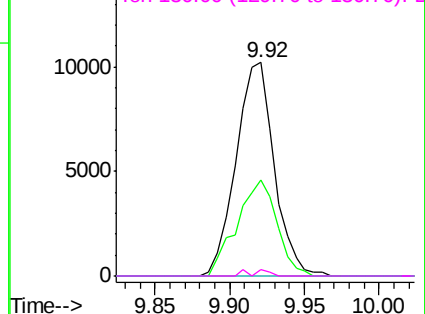
42 45.1 49.1 73.7#

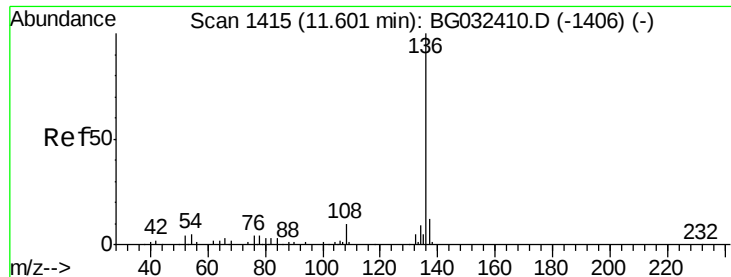
101 0.0 8.5 12.7#

130 3.0 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

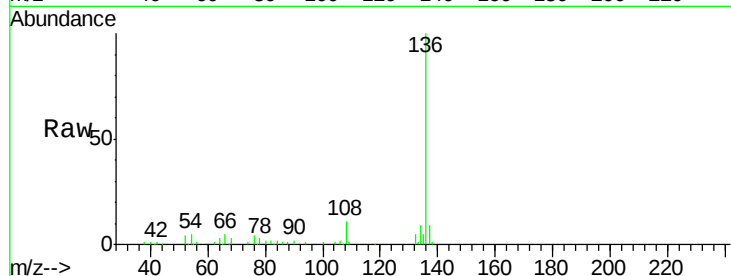




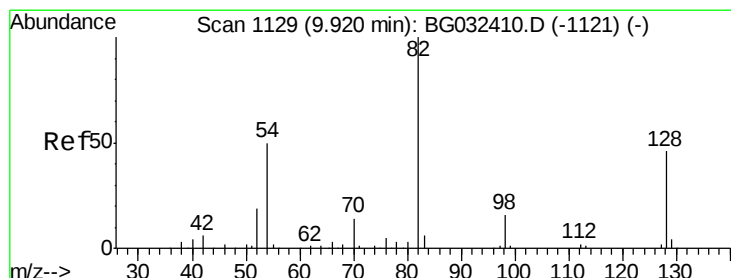
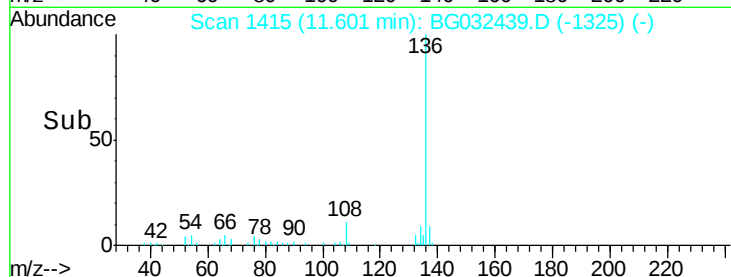
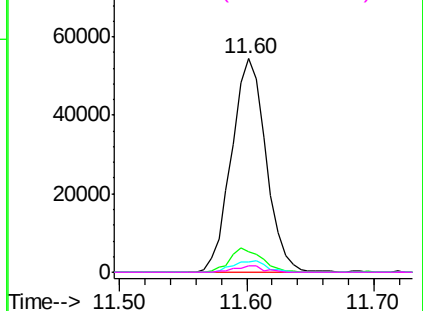
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1415
Delta R.T. 0.00 min
Lab File: BG032439.D
Acq: 30 Jan 2018 9:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	102501
Ion Ratio	Lower	Upper
136	100	
137	9.3	9.2 13.8
54	5.2	10.3 15.5#
68	3.0	4.5 6.7#

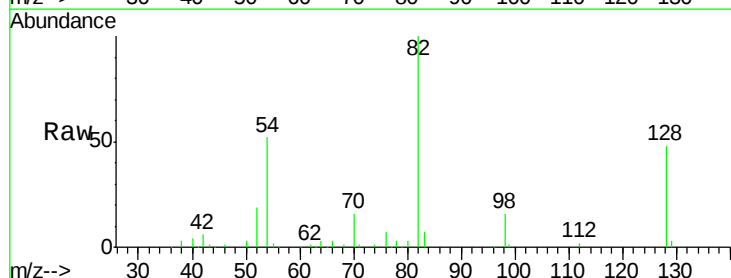


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

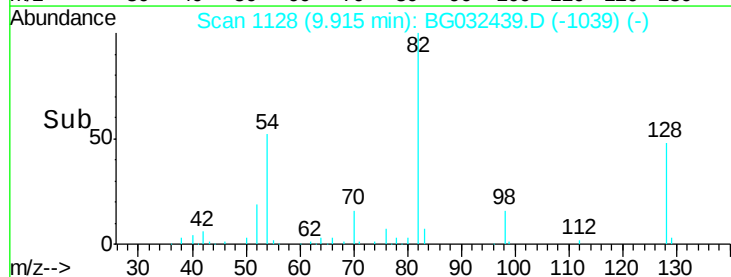
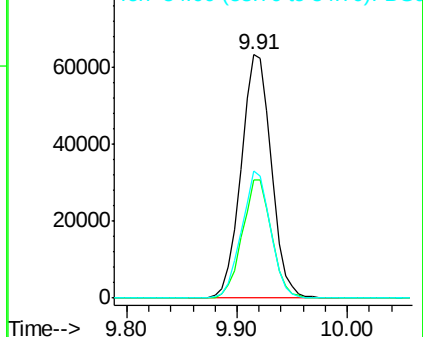


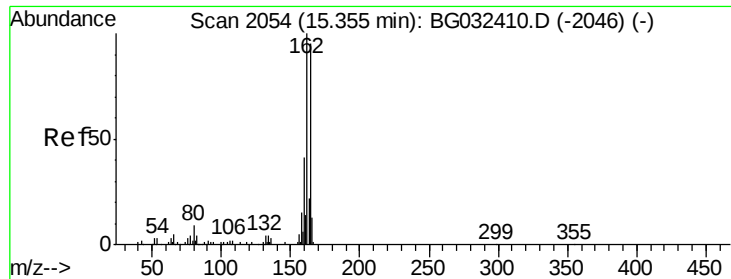
#23
Nitrobenzene-d5
Concen: 73.998 ng
RT: 9.91 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BG032439.D
Acq: 30 Jan 2018 9:04

Tgt Ion: 82	Resp:	121435
Ion Ratio	Lower	Upper
82	100	
128	48.3	29.7 44.5#
54	52.1	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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.36 min Scan# 2054

Delta R.T. 0.00 min

Lab File: BG032439.D

Acq: 30 Jan 2018 9:04

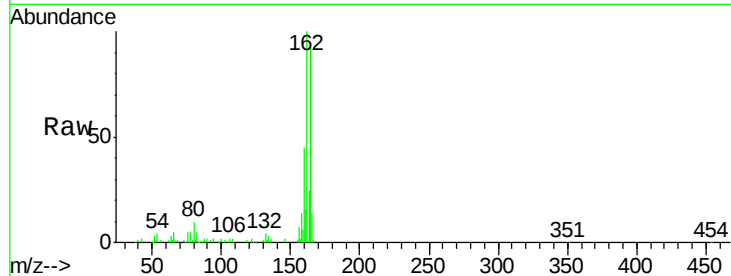
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 76521

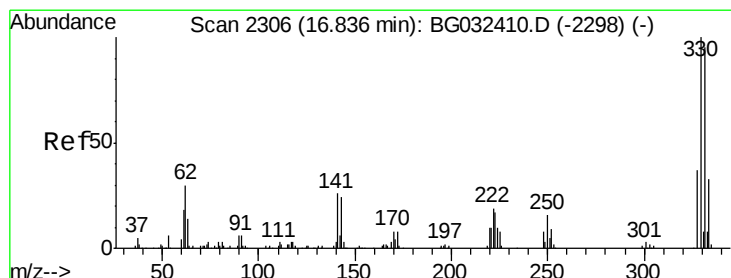
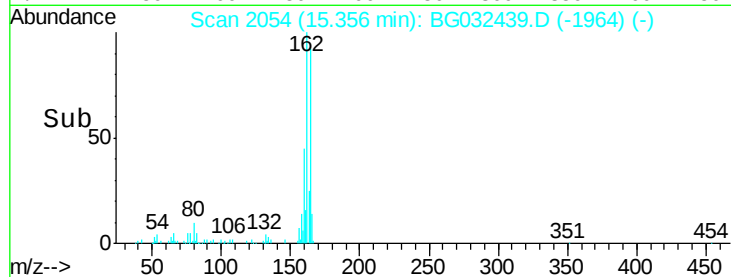
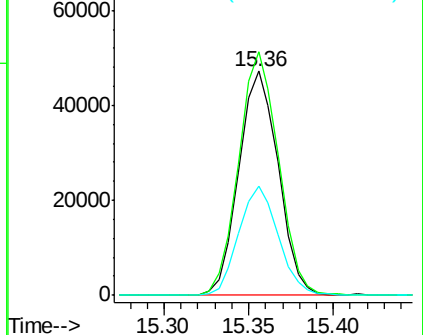
Ion	Ratio	Lower	Upper
164	100		
162	108.6	78.8	118.2
160	48.5	35.4	53.0



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: 25.695 ng

RT: 16.83 min Scan# 2305

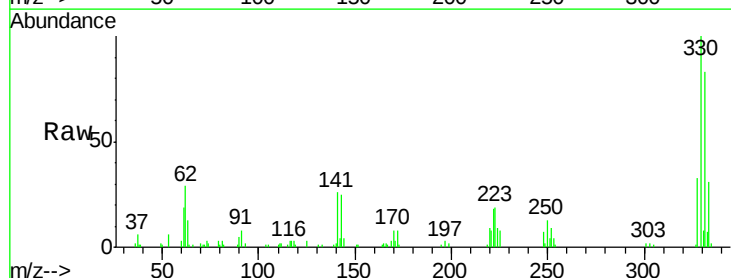
Delta R.T. -0.01 min

Lab File: BG032439.D

Acq: 30 Jan 2018 9:04

Tgt Ion:330 Resp: 37427

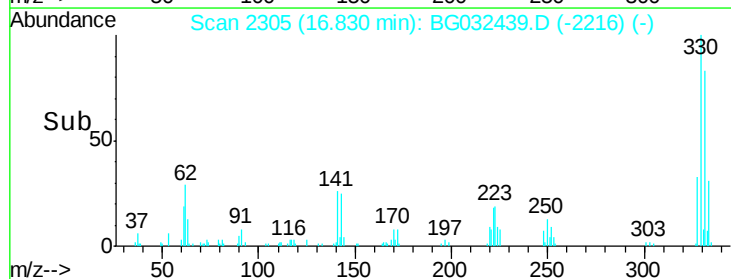
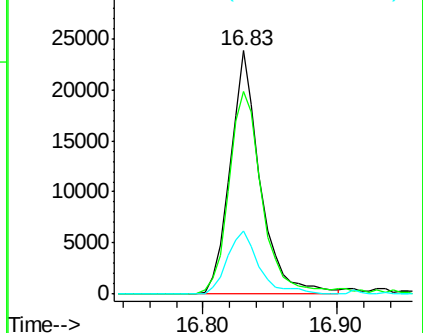
Ion	Ratio	Lower	Upper
330	100		
332	93.2	77.0	115.6
141	27.3	25.2	37.8

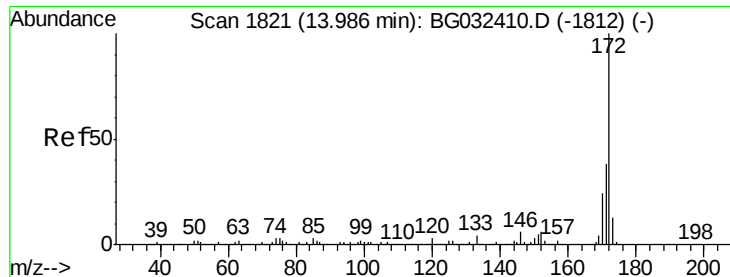


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

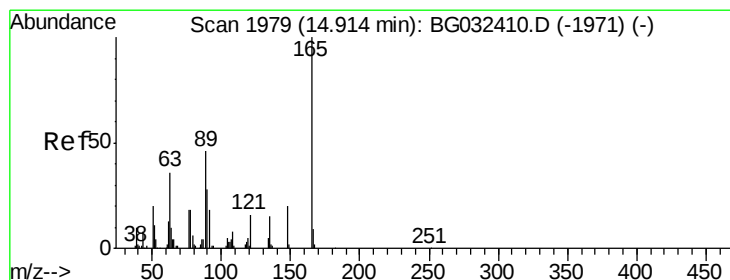
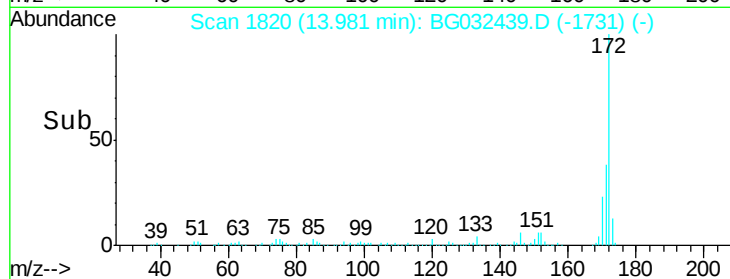
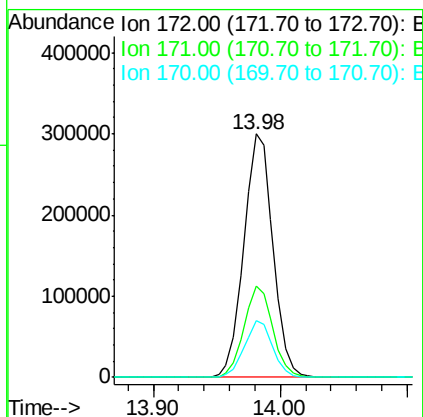
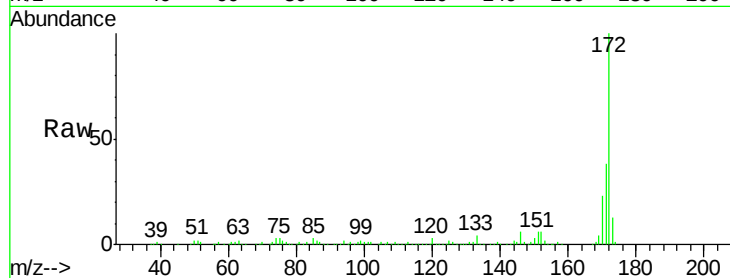




#44
 2-Fluorobiphenyl
 Concen: 74.177 ng
 RT: 13.98 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BG032439.D
 Acq: 30 Jan 2018 9:04

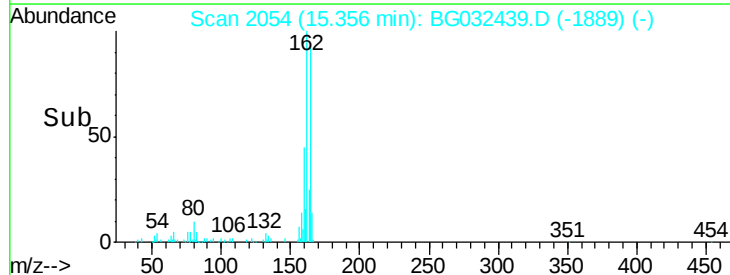
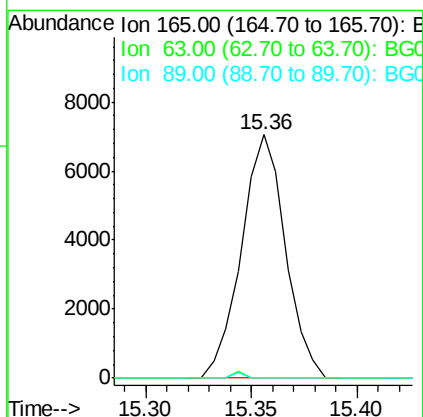
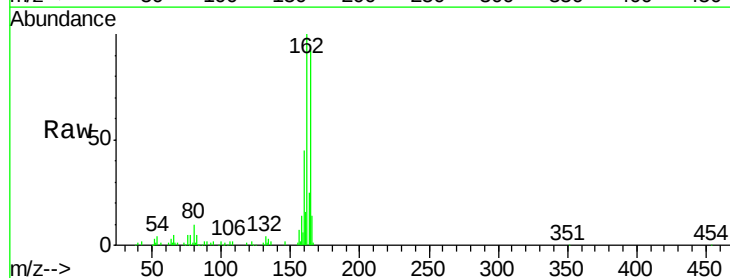
Instrument :
 BNA_G
 ClientSampleId :

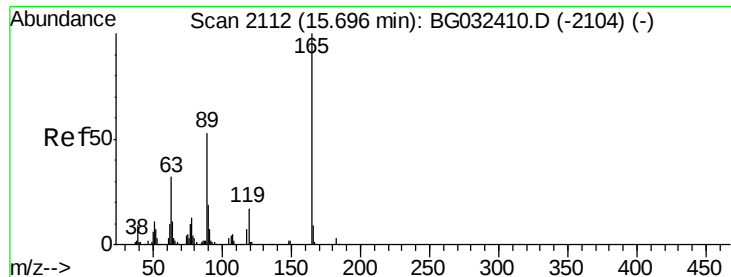
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.6	30.0	45.0
170	23.3	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 6.872 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. 0.44 min
 Lab File: BG032439.D
 Acq: 30 Jan 2018 9:04

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: 4.826 ng

RT: 15.36 min Scan# 2054

Delta R.T. -0.34 min

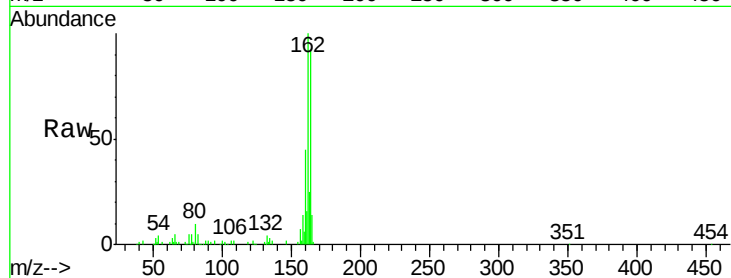
Lab File: BG032439.D

Acq: 30 Jan 2018 9:04

Instrument :

BNA_G

ClientSampled :



Tot Ion:165 Resp: 10176

Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

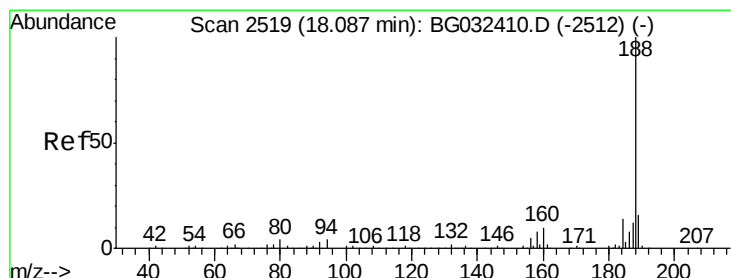
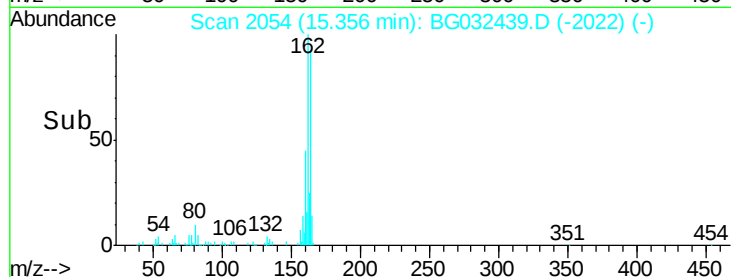
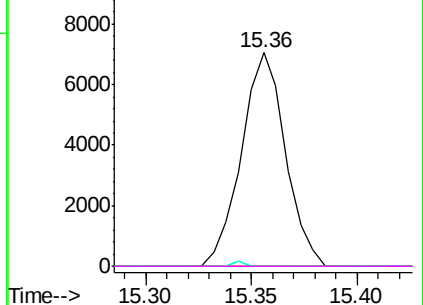
182 0.0 2.6 3.8#

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: 18.09 min Scan# 2519

Delta R.T. 0.00 min

Lab File: BG032439.D

Acq: 30 Jan 2018 9:04

Tgt Ion:188 Resp: 224447

Ion Ratio Lower Upper

188 100

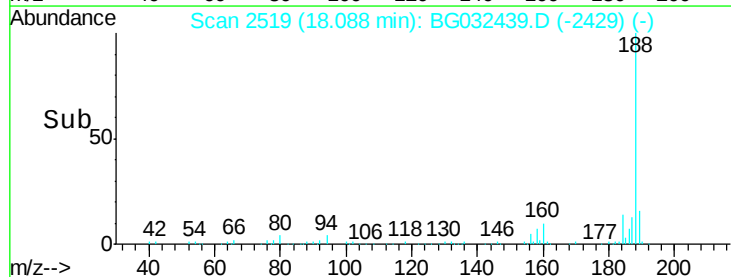
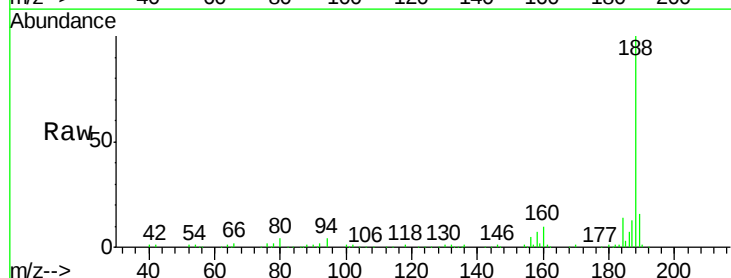
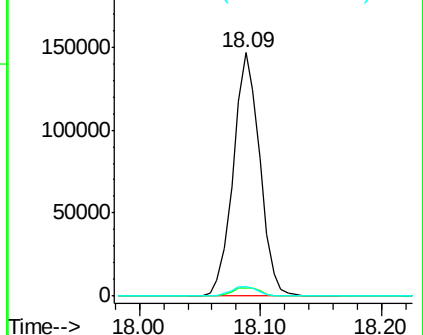
94 3.5 6.9 10.3#

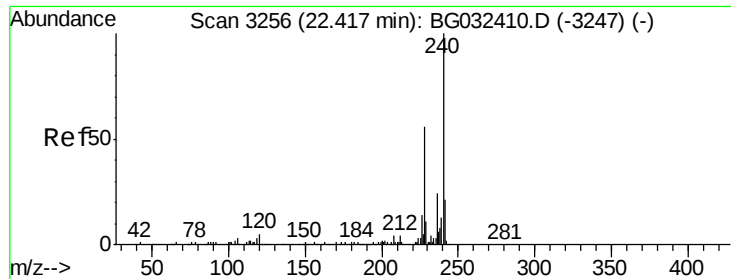
80 4.0 7.7 11.5#

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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.42 min Scan# 3256

Delta R.T. 0.00 min

Lab File: BG032439.D

Acq: 30 Jan 2018 9:04

Instrument :

BNA_G

ClientSampleId :

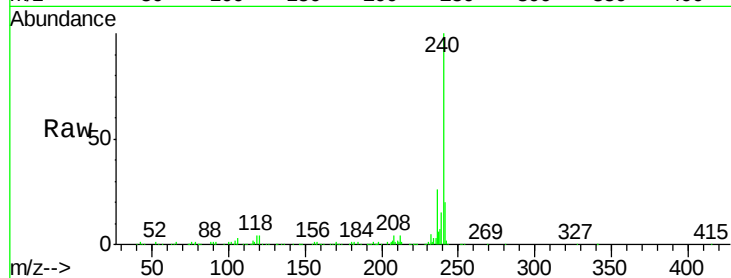
Tot Ion:240 Resp: 281747

Ion Ratio Lower Upper

240 100

120 3.7 6.8 10.2#

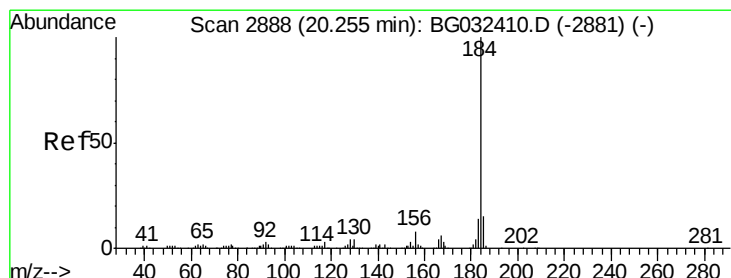
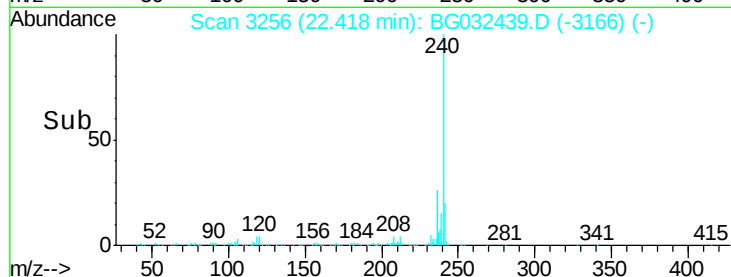
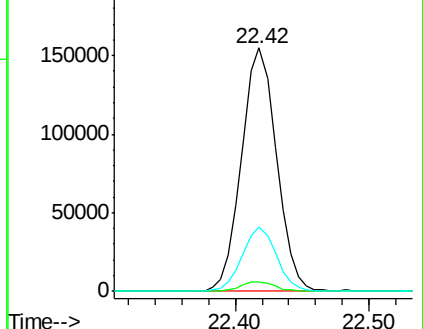
236 26.5 20.9 31.3



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: 2.765 ng

RT: 20.63 min Scan# 2951

Delta R.T. 0.37 min

Lab File: BG032439.D

Acq: 30 Jan 2018 9:04

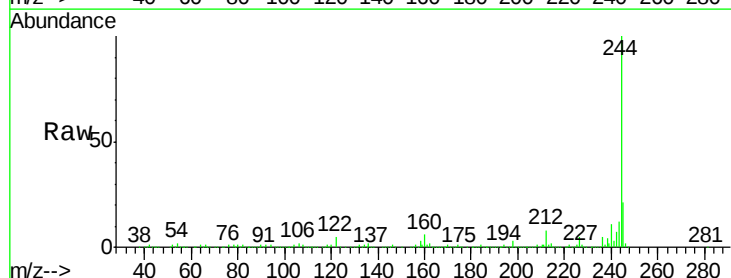
Tgt Ion:184 Resp: 15299

Ion Ratio Lower Upper

184 100

185 16.6 11.1 16.7

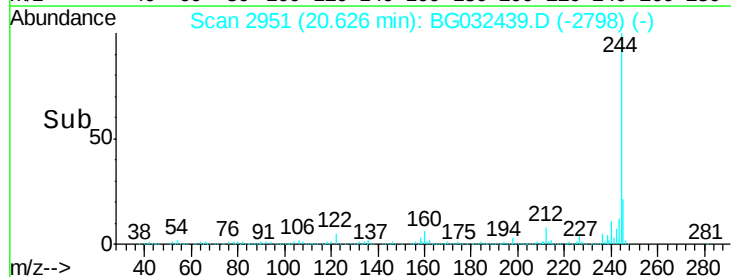
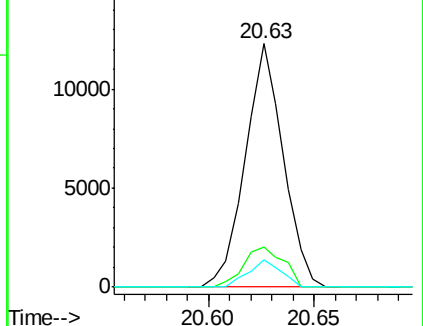
183 11.0 10.6 16.0

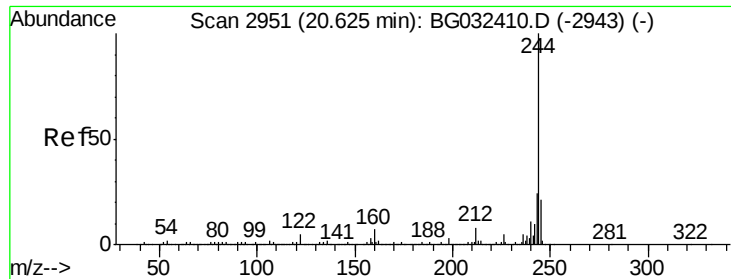


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

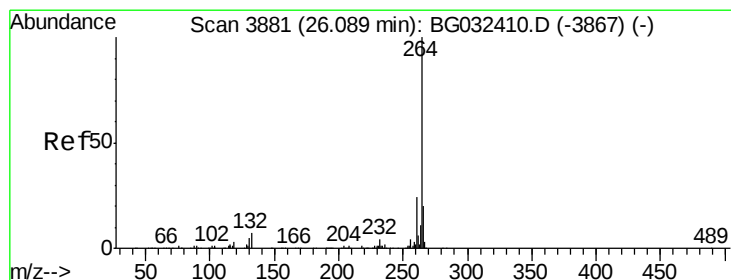
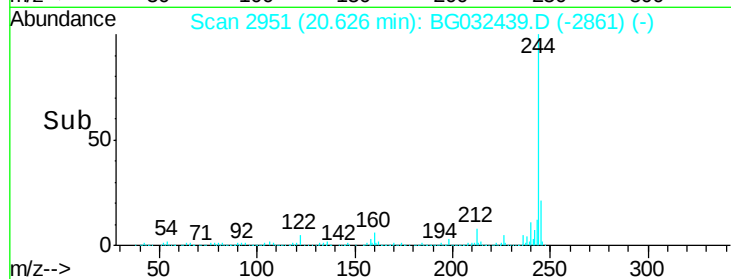
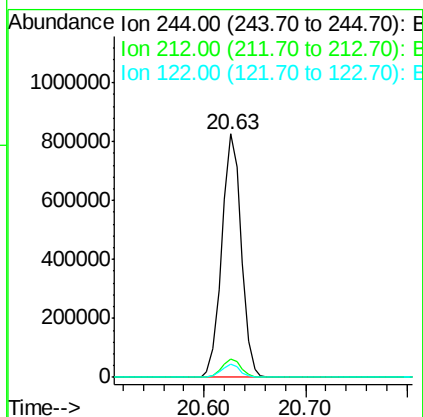
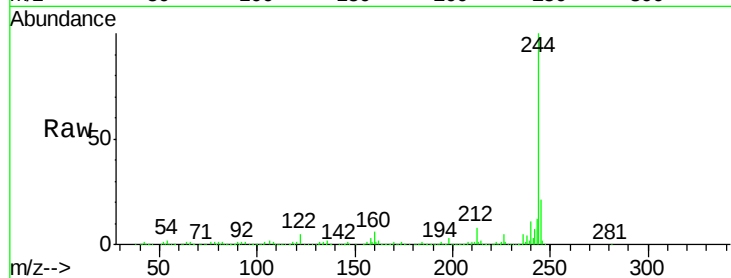




#78
 Terphenyl-d14
 Concen: 83.726 ng
 RT: 20.63 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: BG032439.D
 Acq: 30 Jan 2018 9:04

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:244 Resp: 1101241
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.8 8.8
 122 5.4 7.0 10.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.10 min Scan# 3882
 Delta R.T. 0.01 min
 Lab File: BG032439.D
 Acq: 30 Jan 2018 9:04

Tgt Ion:264 Resp: 303343
 Ion Ratio Lower Upper
 264 100
 260 23.8 17.4 26.0
 265 22.6 17.7 26.5

