

Data Path : U:\HPCHEM1\BNA G\DATA\BG013118\
 Data File : BG032482.D
 Acq On : 1 Feb 2018 2:48
 Operator : SJ/JU
 Sample : J1383-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 01 04:38:16 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

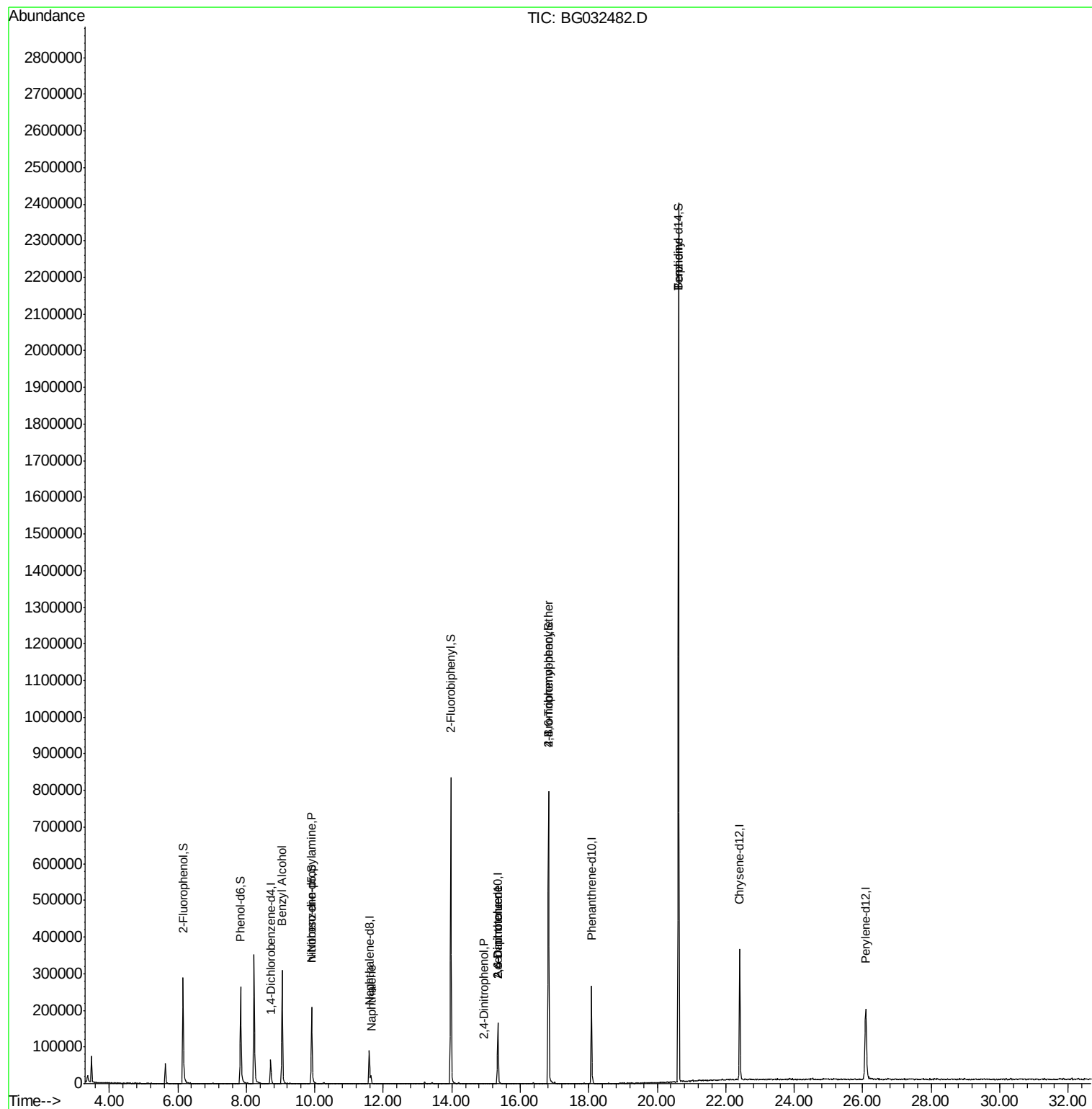
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.71	152	23916	20.00	ng	-0.02
21) Naphthalene-d8	11.59	136	97346	20.00	ng	-0.01
38) Acenaphthene-d10	15.34	164	69449	20.00	ng	-0.01
63) Phenanthrene-d10	18.08	188	194847	20.00	ng	0.00
75) Chrysene-d12	22.41	240	267049	20.00	ng	-0.01
86) Perylene-d12	26.08	264	281219	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.16	112	162968	136.87	ng	0.00
7) Phenol-d6	7.84	99	184576	116.17	ng	0.00
23) Nitrobenzene-d5	9.91	82	142843	91.65	ng	-0.01
41) 2,4,6-Tribromophenol	16.82	330	200665	151.79	ng	-0.01
44) 2-Fluorobiphenyl	13.98	172	524512	89.77	ng	-0.01
78) Terphenyl-d14	20.62	244	1238411	99.34	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.05	79	2779	2.122	ng	# 41
19) n-Nitroso-di-n-propylamine	9.91	70	19977	18.962	ng	# 74
31) Naphthalene	11.64	128	21214	4.462	ng	# 93
50) 2,6-Dinitrotoluene	15.35	165	9021	6.712	ng	# 21
53) 2,4-Dinitrophenol	14.95	184	59	4.171	ng	# 1
56) 2,4-Dinitrotoluene	15.35	165	9021	4.714	ng	# 19
66) 4-Bromophenyl-phenylether	16.82	248	16167	5.601	ng	# 1
76) Benzidine	20.62	184	18228	3.476	ng	# 93

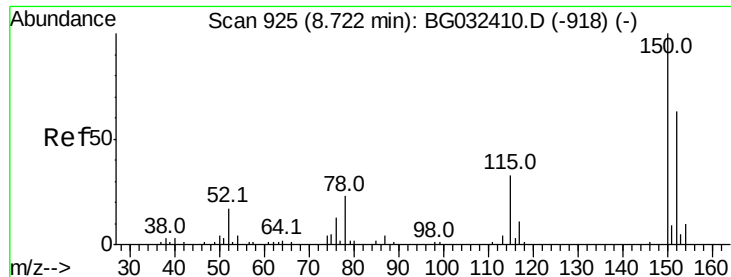
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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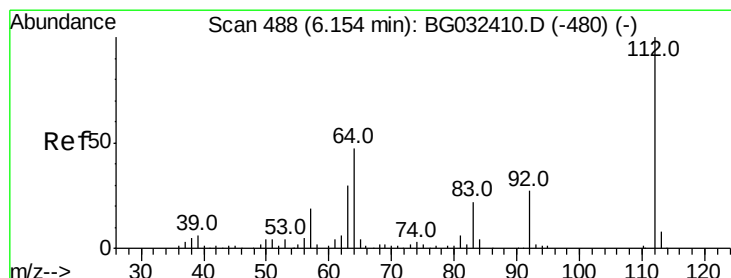
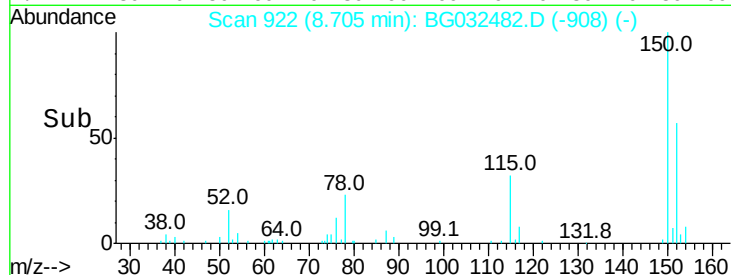
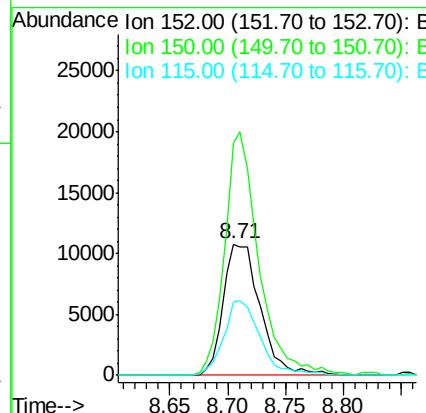
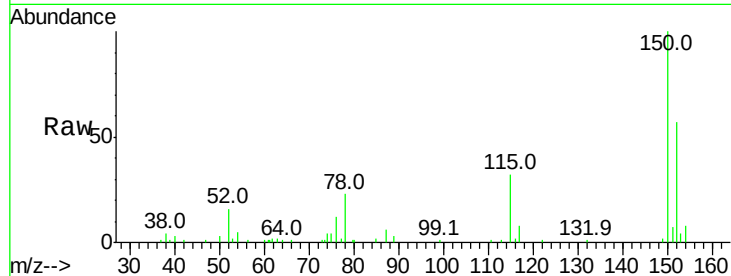


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.71 min Scan# 922
Delta R.T. -0.02 min
Lab File: BG032482.D
Acq: 1 Feb 2018 2:48

Instrument :
BNA_G
ClientSampleId :

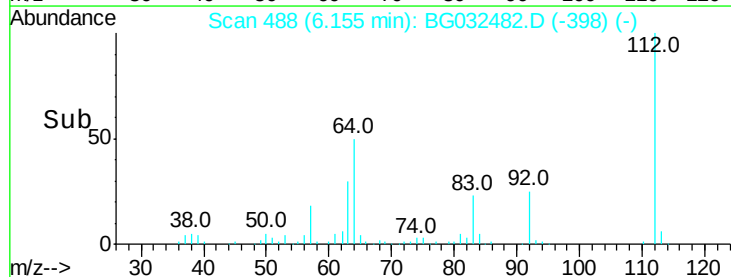
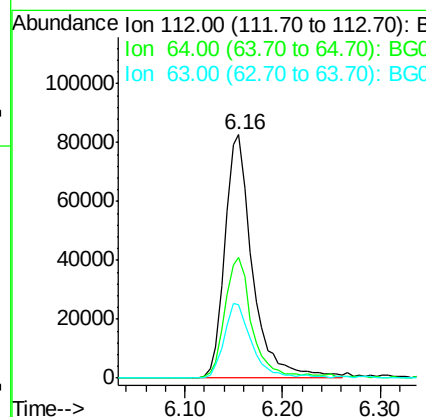
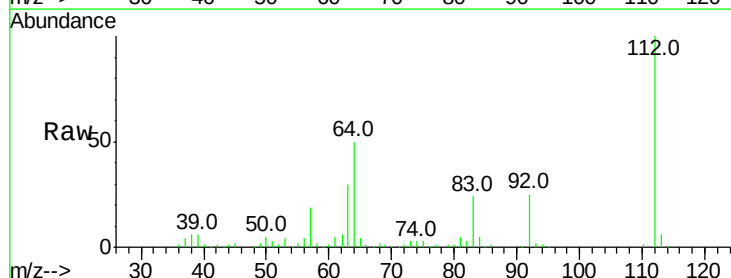
Tot Ion:152 Resp: 23916
Ion Ratio Lower Upper
152 100
150 176.6 126.6 189.8
115 56.2 53.0 79.4

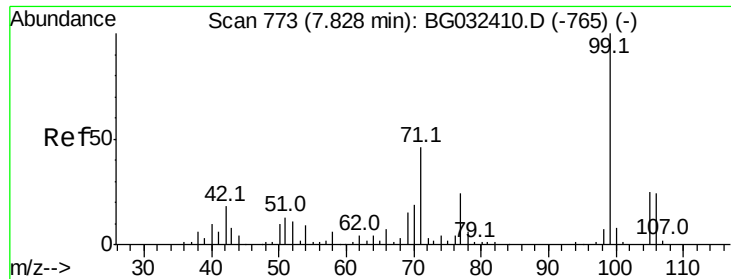


#5

2-Fluorophenol
Concen: 136.867 ng
RT: 6.16 min Scan# 488
Delta R.T. 0.00 min
Lab File: BG032482.D
Acq: 1 Feb 2018 2:48

Tgt Ion:112 Resp: 162968
Ion Ratio Lower Upper
112 100
64 49.7 56.3 84.5#
63 30.4 30.1 45.1





#7

Phenol-d6

Concen: 116.166 ng

RT: 7.84 min Scan# 774

Delta R.T. 0.01 min

Lab File: BG032482.D

Acq: 1 Feb 2018 2:48

Instrument :

BNA_G

ClientSampleId :

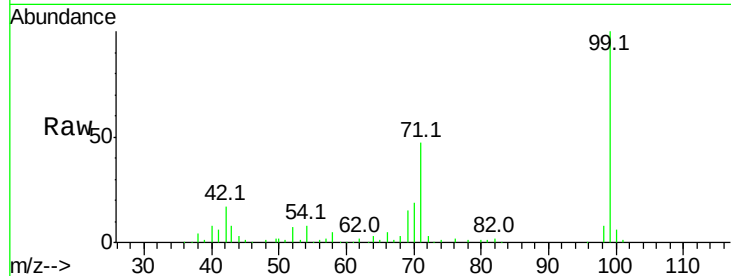
Tot Ion: 99 Resp: 184576

Ion Ratio Lower Upper

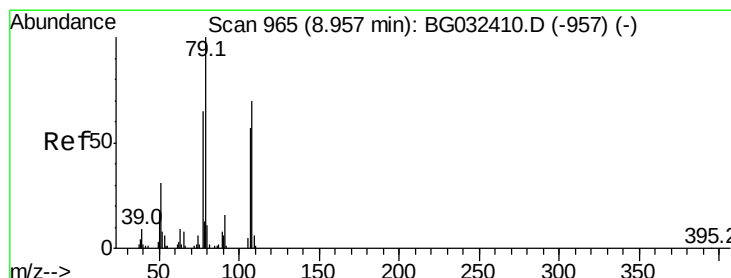
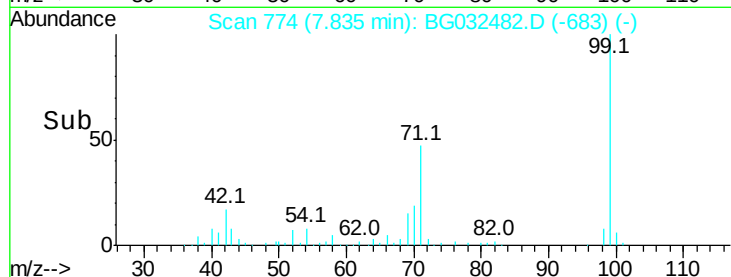
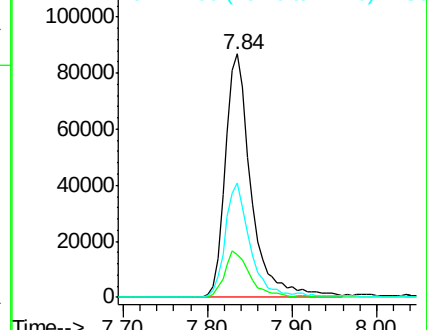
99 100

42 17.4 14.1 21.1

71 47.2 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: 2.122 ng

RT: 9.05 min Scan# 980

Delta R.T. 0.09 min

Lab File: BG032482.D

Acq: 1 Feb 2018 2:48

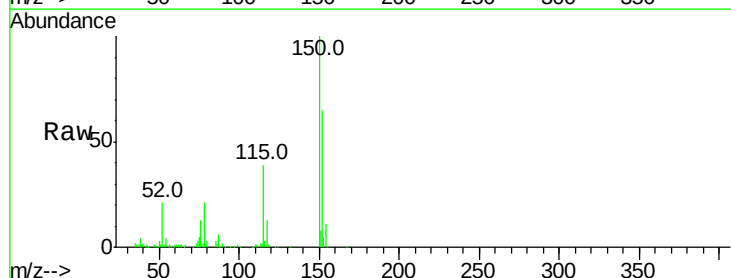
Tgt Ion: 79 Resp: 2779

Ion Ratio Lower Upper

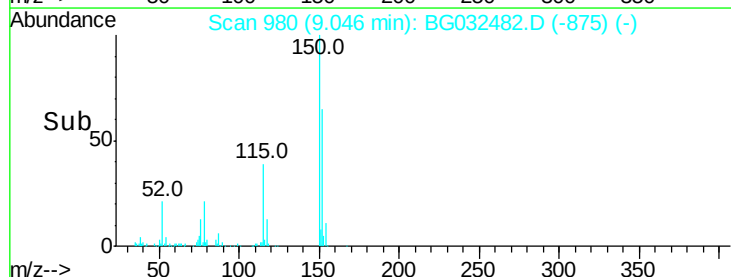
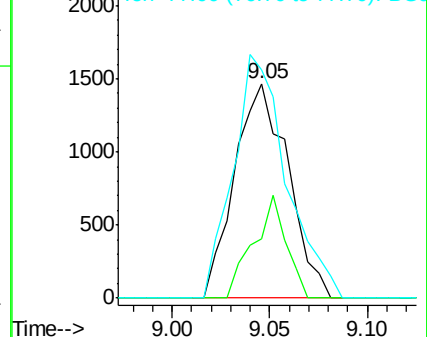
79 100

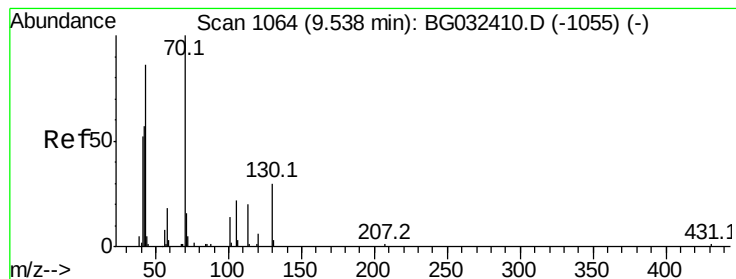
108 27.4 57.2 85.8#

77 106.7 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: 18.962 ng

RT: 9.91 min Scan# 1127

Delta R.T. 0.37 min

Lab File: BG032482.D

Acq: 1 Feb 2018 2:48

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 19977

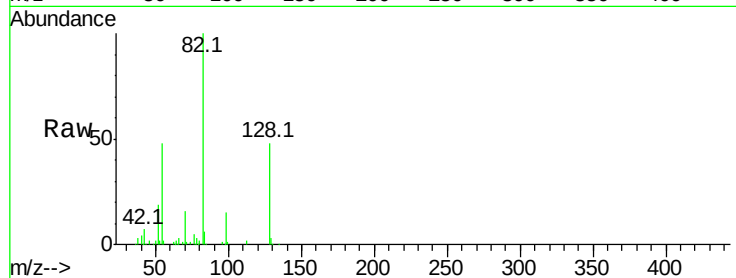
Ion Ratio Lower Upper

70 100

42 43.4 49.1 73.7#

101 0.0 8.5 12.7#

130 1.8 13.4 20.0#



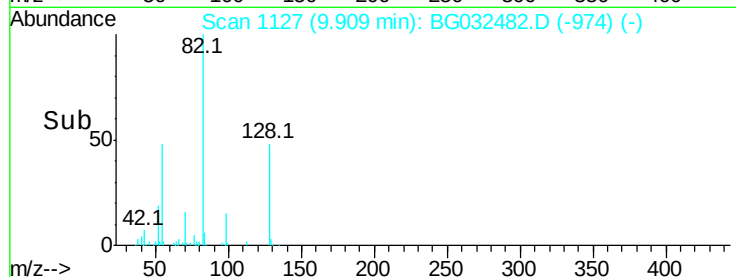
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

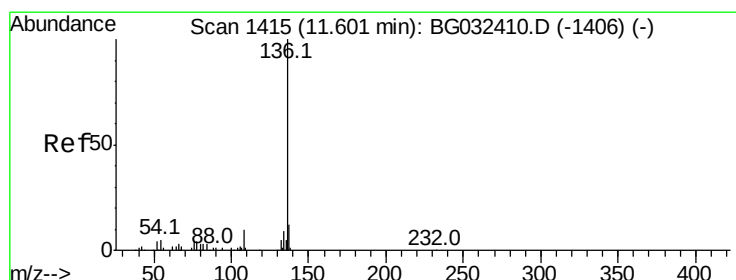
Ion 130.00 (129.70 to 130.70): BGC

Time-->



Abundance

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.59 min Scan# 1413

Delta R.T. -0.01 min

Lab File: BG032482.D

Acq: 1 Feb 2018 2:48

Tgt Ion: 136 Resp: 97346

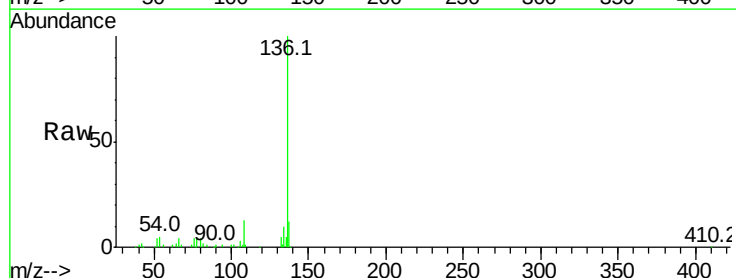
Ion Ratio Lower Upper

136 100

137 12.0 9.2 13.8

54 4.9 10.3 15.5#

68 1.5 4.5 6.7#



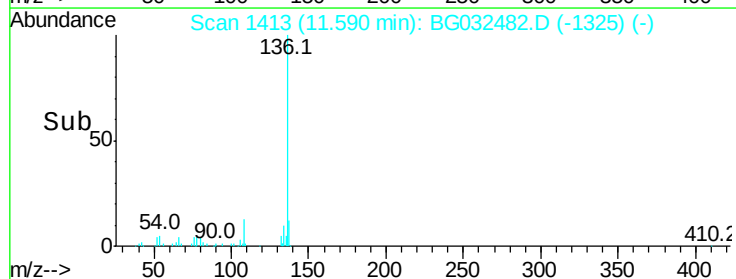
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

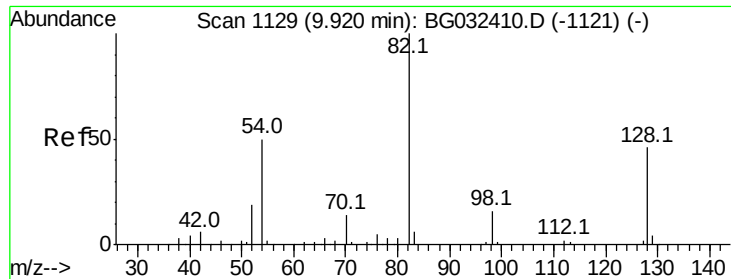
Ion 68.00 (67.70 to 68.70): BGC

Time-->



Abundance

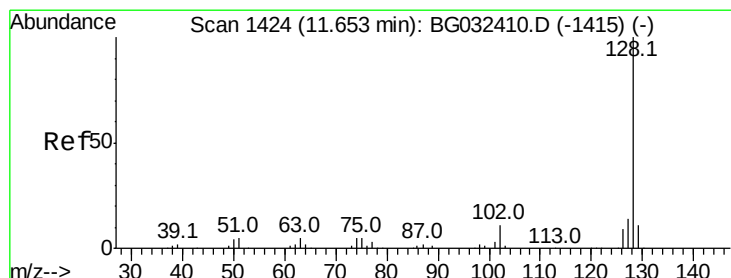
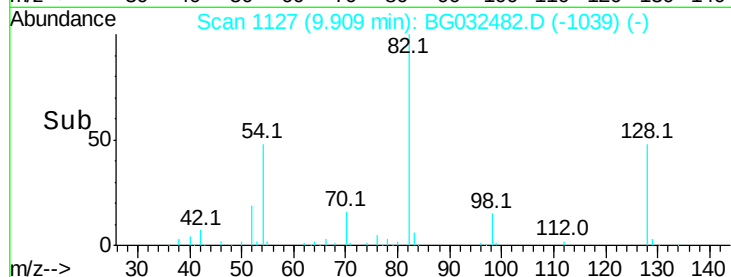
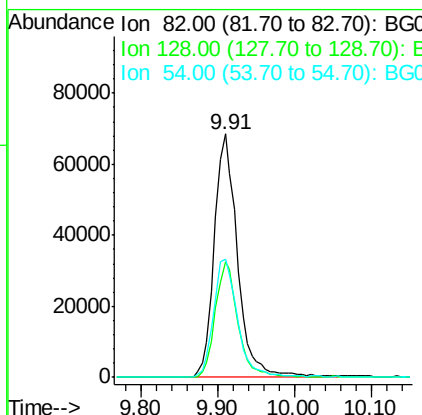
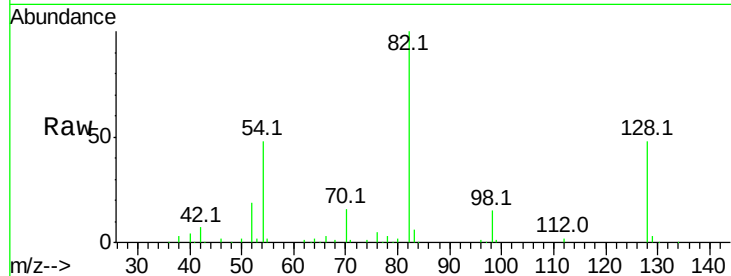
Time-->



#23
Nitrobenzene-d5
Concen: 91.653 ng
RT: 9.91 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BG032482.D
Acq: 1 Feb 2018 2:48

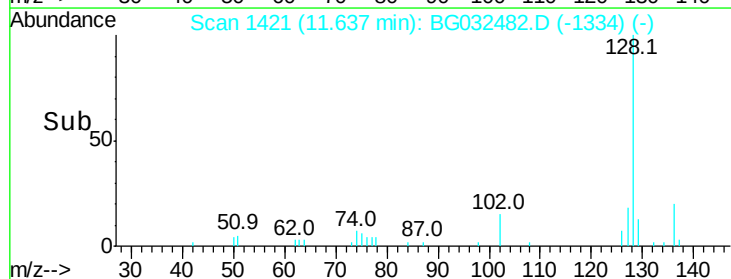
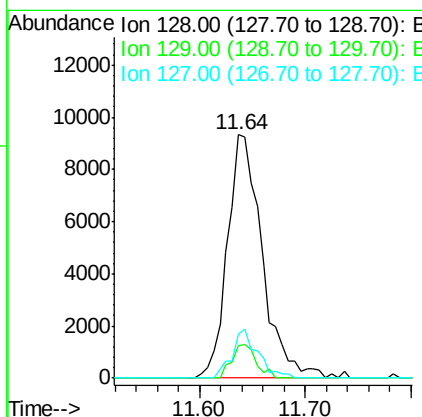
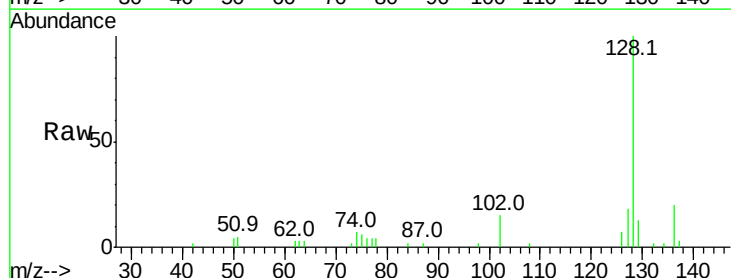
Instrument :
BNA_G
ClientSampleId :

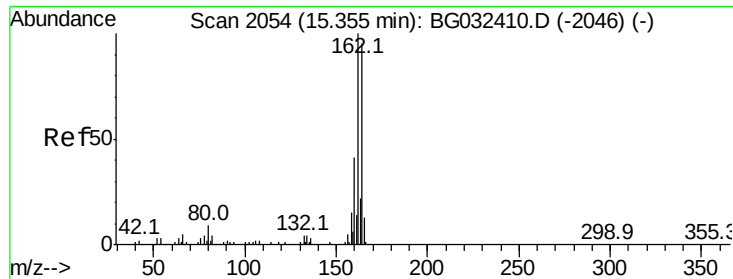
Tot Ion: 82 Resp: 142843
Ion Ratio Lower Upper
82 100
128 47.6 29.7 44.5#
54 48.4 43.1 64.7



#31
Naphthalene
Concen: 4.462 ng
RT: 11.64 min Scan# 1421
Delta R.T. -0.02 min
Lab File: BG032482.D
Acq: 1 Feb 2018 2:48

Tgt Ion: 128 Resp: 21214
Ion Ratio Lower Upper
128 100
129 13.1 8.6 12.8#
127 17.9 11.6 17.4#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.34 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BG032482.D

Acq: 1 Feb 2018 2:48

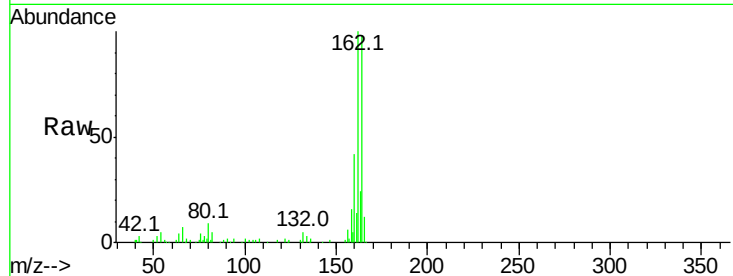
Instrument :

BNA_G

ClientSampled :

Tot Ion:164 Resp: 69449

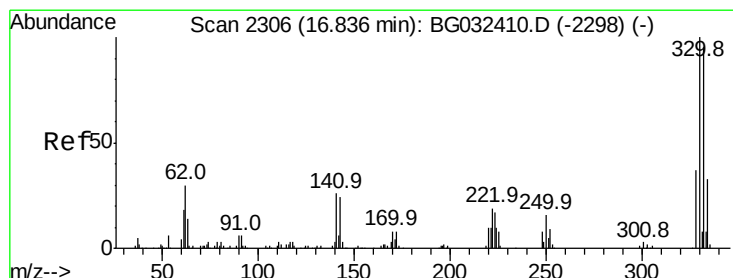
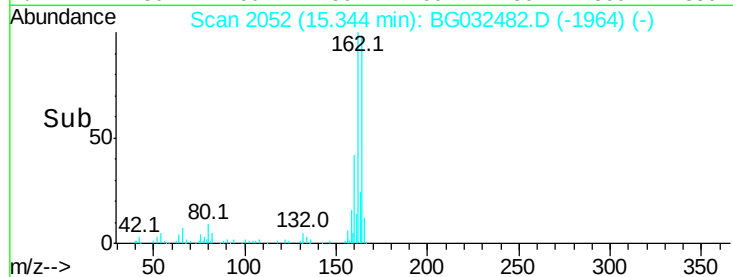
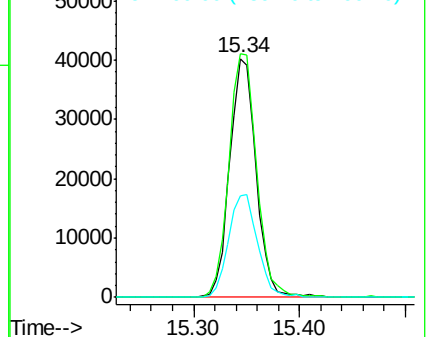
Ion	Ratio	Lower	Upper
164	100		
162	101.9	78.8	118.2
160	42.4	35.4	53.0



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: 151.793 ng

RT: 16.82 min Scan# 2304

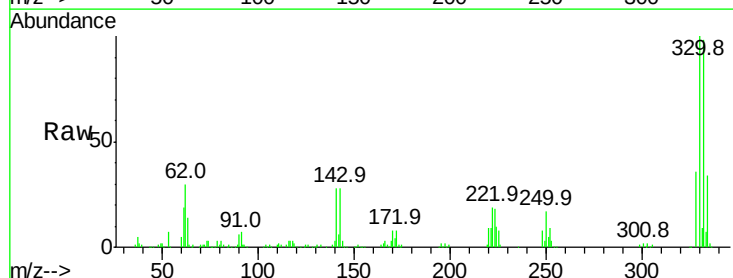
Delta R.T. -0.01 min

Lab File: BG032482.D

Acq: 1 Feb 2018 2:48

Tgt Ion:330 Resp: 200665

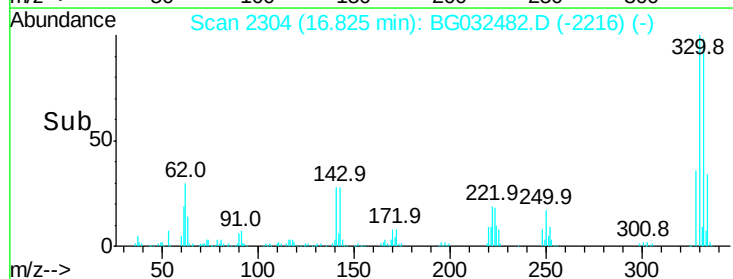
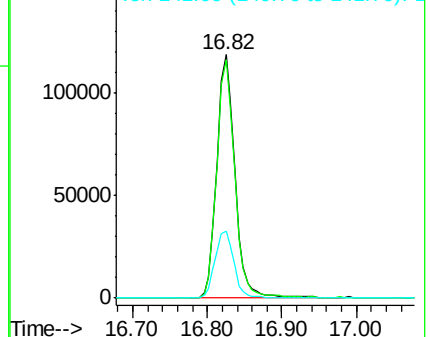
Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.0	115.6
141	28.6	25.2	37.8

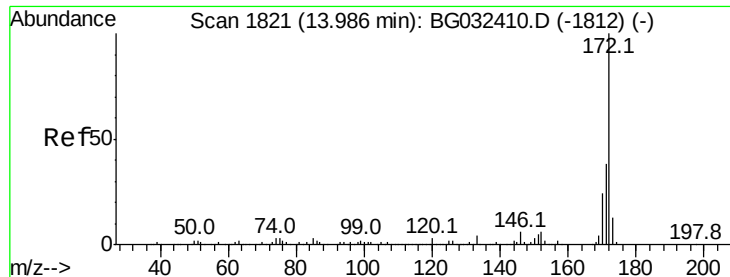


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

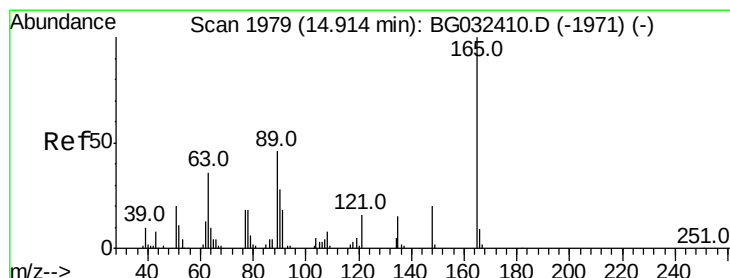
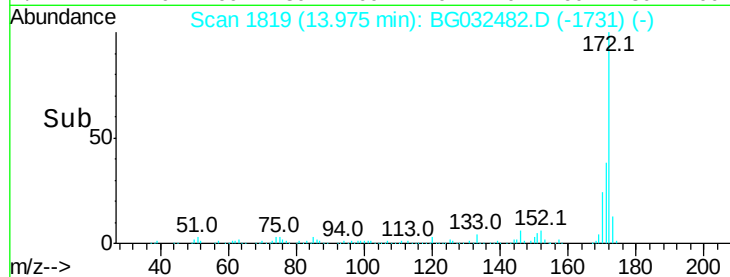
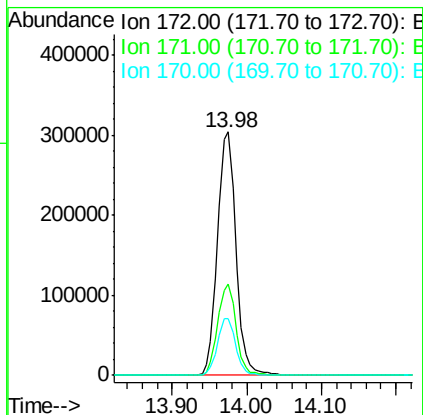
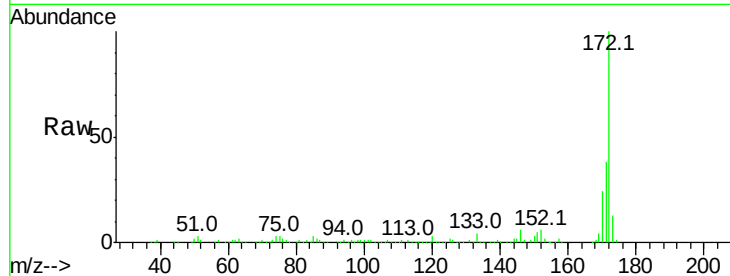




#44
 2-Fluorobiphenyl
 Concen: 89.766 ng
 RT: 13.98 min Scan# 1819
 Delta R.T. -0.01 min
 Lab File: BG032482.D
 Acq: 1 Feb 2018 2:48

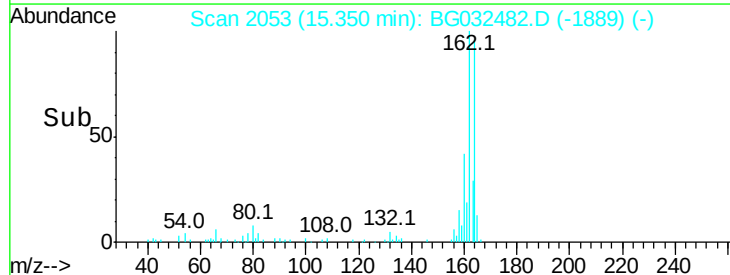
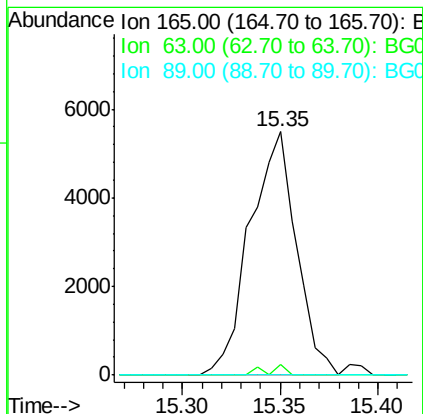
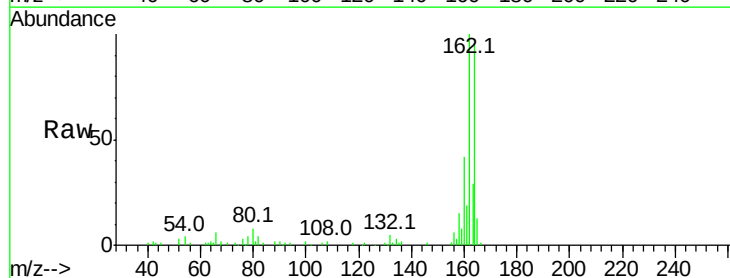
Instrument :
 BNA_G
 ClientSampleId :

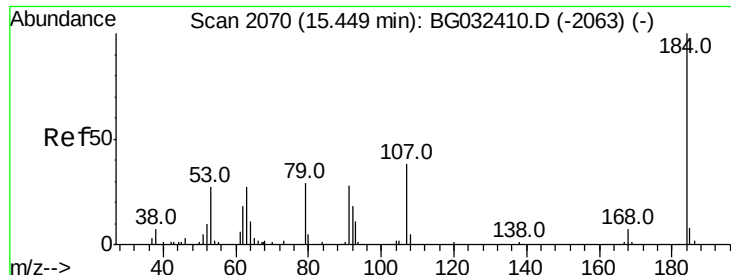
Tot Ion:172 Resp: 524512
 Ion Ratio Lower Upper
 172 100
 171 37.6 30.0 45.0
 170 23.5 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 6.712 ng
 RT: 15.35 min Scan# 2053
 Delta R.T. 0.44 min
 Lab File: BG032482.D
 Acq: 1 Feb 2018 2:48

Tgt Ion:165 Resp: 9021
 Ion Ratio Lower Upper
 165 100
 63 4.6 52.7 79.1#
 89 0.0 49.2 73.8#

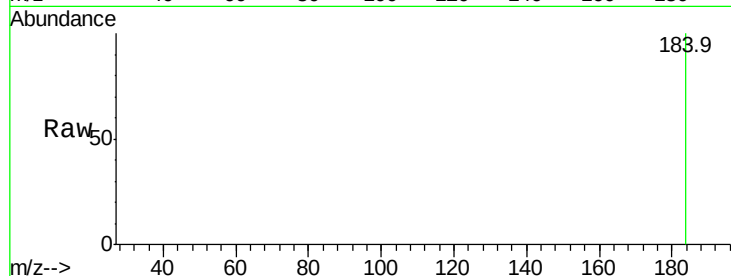




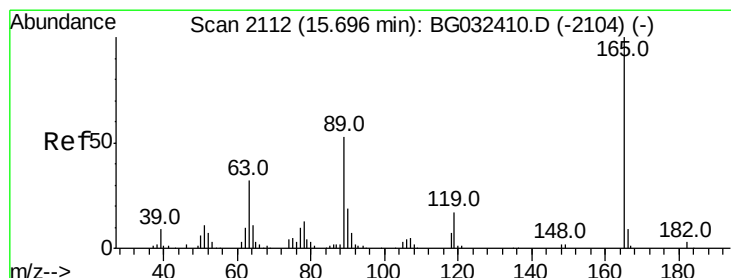
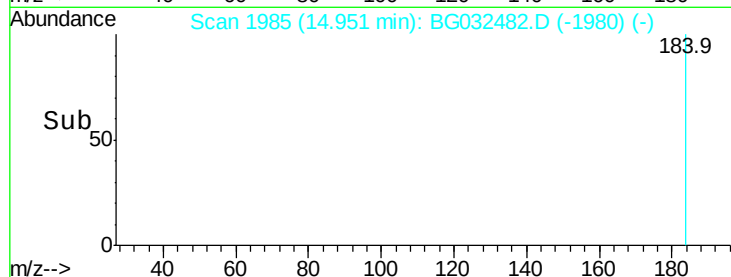
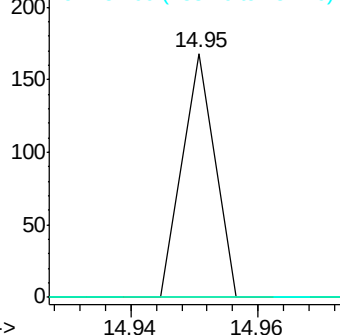
#53
 2,4-Dinitrophenol
 Concen: 4.171 ng
 RT: 14.95 min Scan# 1985
 Delta R.T. -0.50 min
 Lab File: BG032482.D
 Acq: 1 Feb 2018 2:48

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:184 Resp: 59
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#

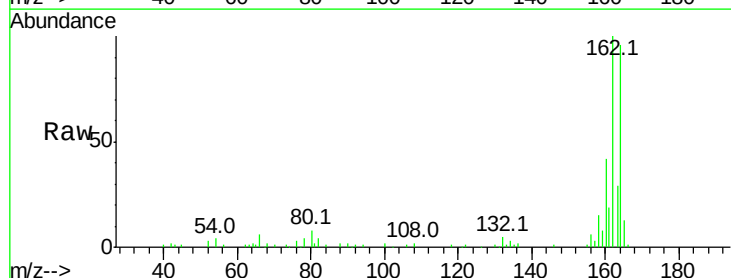


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 154.00 (153.70 to 154.70): E

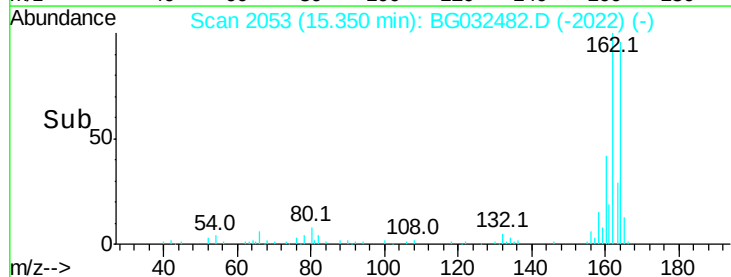
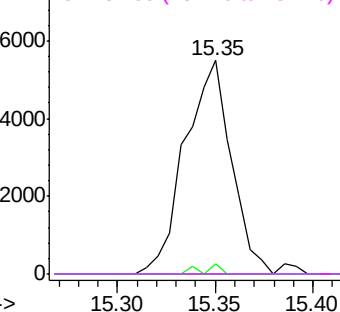


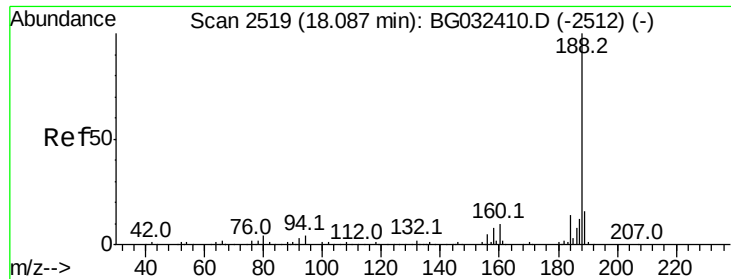
#56
 2,4-Dinitrotoluene
 Concen: 4.714 ng
 RT: 15.35 min Scan# 2053
 Delta R.T. -0.35 min
 Lab File: BG032482.D
 Acq: 1 Feb 2018 2:48

Tgt Ion:165 Resp: 9021
 Ion Ratio Lower Upper
 165 100
 63 4.6 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. -0.00 min

Lab File: BG032482.D

Acq: 1 Feb 2018 2:48

Instrument :

BNA_G

ClientSampleId :

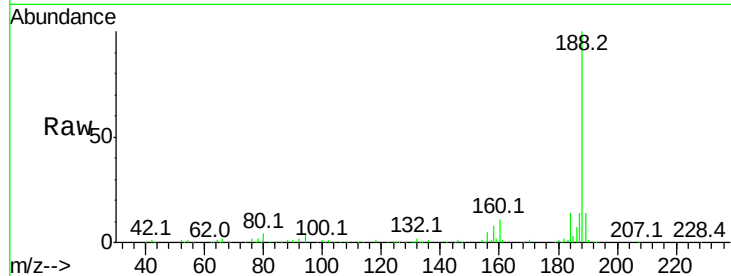
Tot Ion:188 Resp: 194847

Ion Ratio Lower Upper

188 100

94 3.7 6.9 10.3#

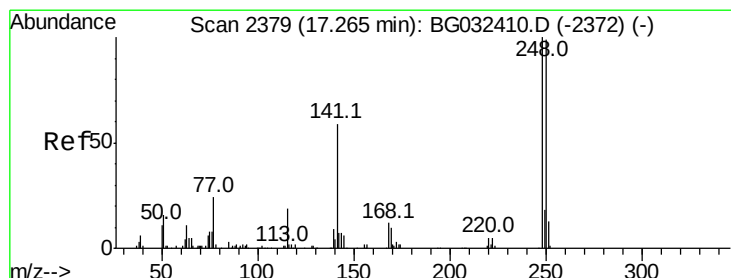
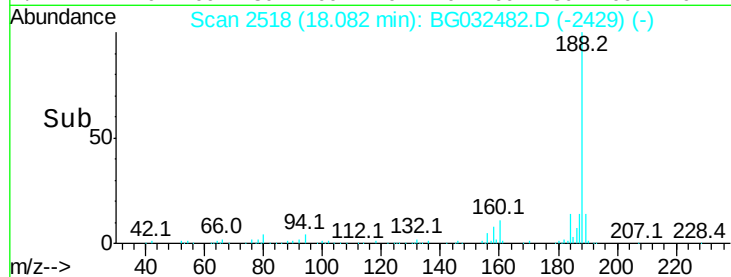
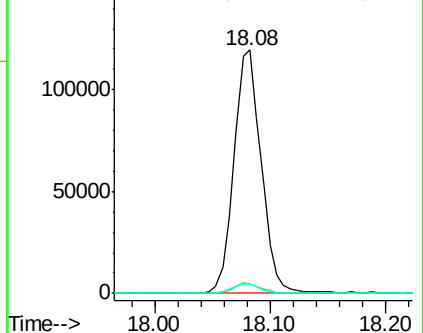
80 3.8 7.7 11.5#



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: 5.601 ng

RT: 16.82 min Scan# 2304

Delta R.T. -0.44 min

Lab File: BG032482.D

Acq: 1 Feb 2018 2:48

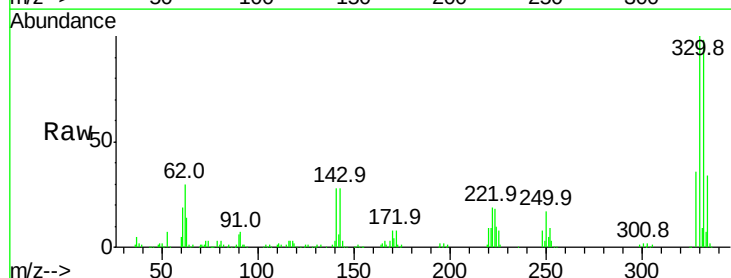
Tgt Ion:248 Resp: 16167

Ion Ratio Lower Upper

248 100

250 204.6 77.1 115.7#

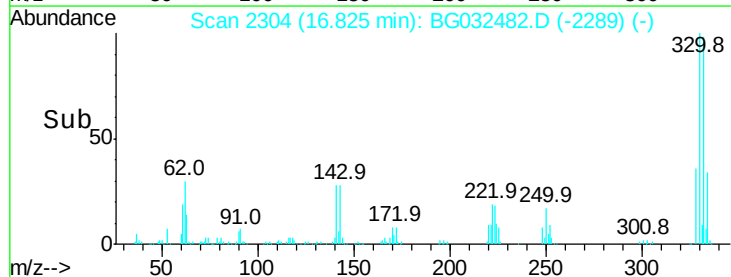
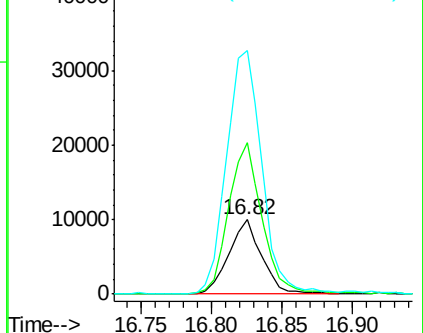
141 327.9 50.8 76.2#

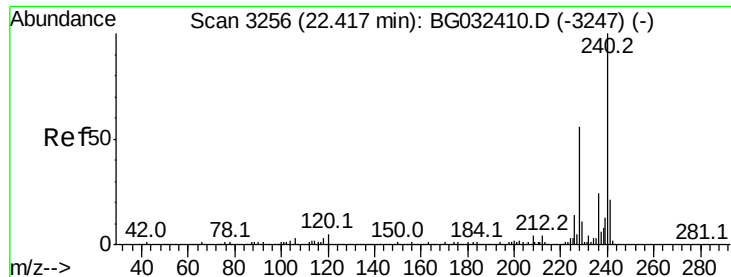


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG032482.D

Acq: 1 Feb 2018 2:48

Instrument :

BNA_G

ClientSampleId :

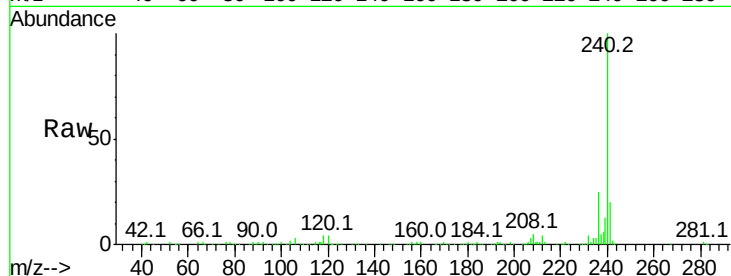
Tot Ion:240 Resp: 267049

Ion Ratio Lower Upper

240 100

120 3.7 6.8 10.2#

236 24.6 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

22.41

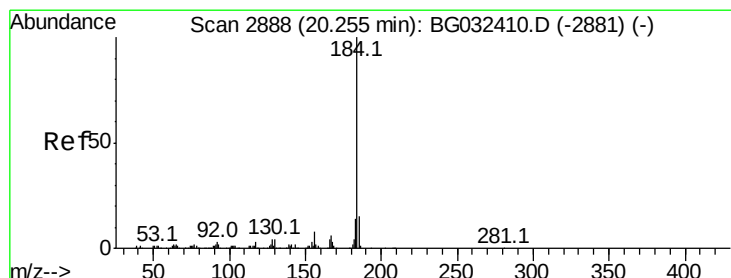
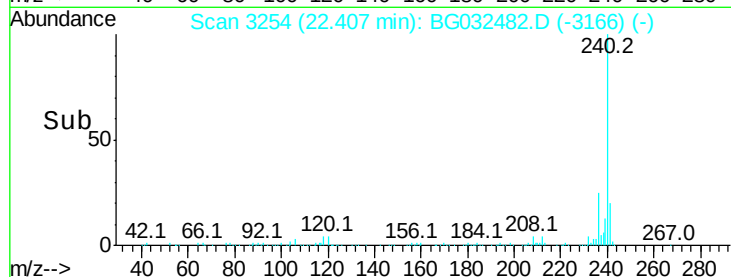
150000

100000

50000

0

Time--> 22.30 22.40 22.50



#76

Benzidine

Concen: 3.476 ng

RT: 20.62 min Scan# 2950

Delta R.T. 0.37 min

Lab File: BG032482.D

Acq: 1 Feb 2018 2:48

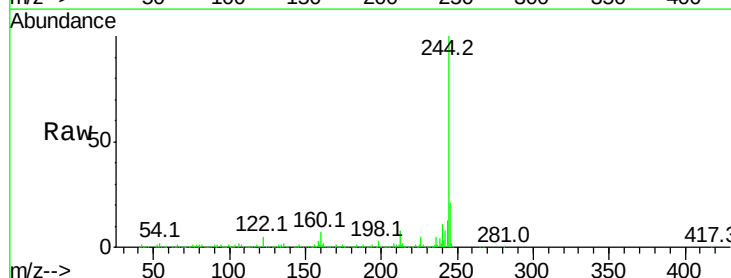
Tgt Ion:184 Resp: 18228

Ion Ratio Lower Upper

184 100

185 15.2 11.1 16.7

183 9.2 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

20.62

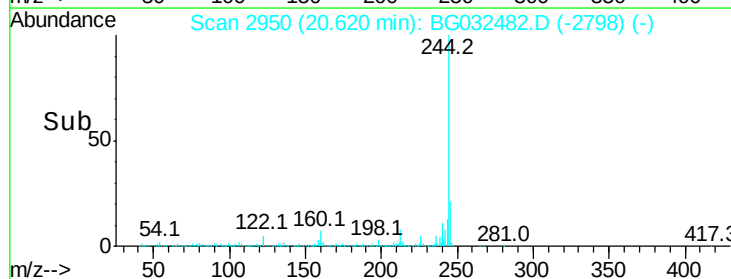
15000

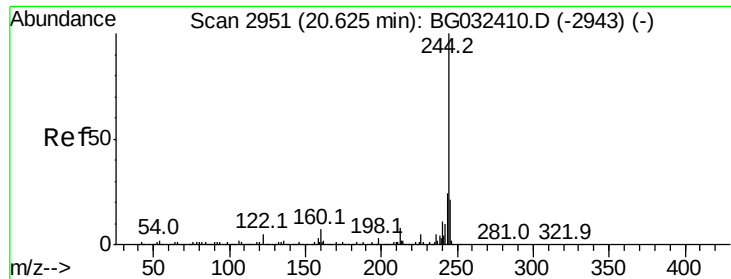
10000

5000

0

Time--> 20.55 20.60 20.65





#78

Terphenyl-d14

Concen: 99.337 ng

RT: 20.62 min Scan# 2950

Delta R.T. -0.00 min

Lab File: BG032482.D

Acq: 1 Feb 2018 2:48

Instrument :

BNA_G

ClientSampleId :

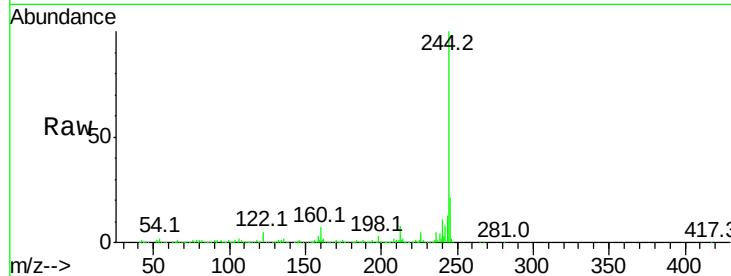
Tot Ion:244 Resp: 1238411

Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

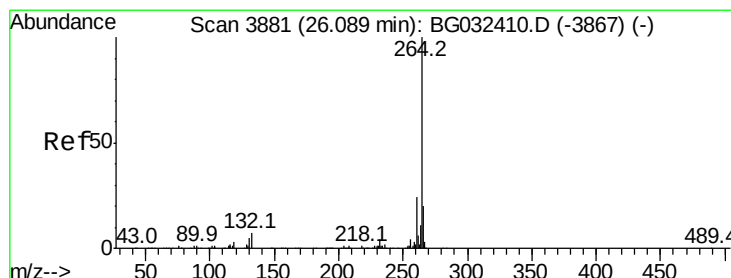
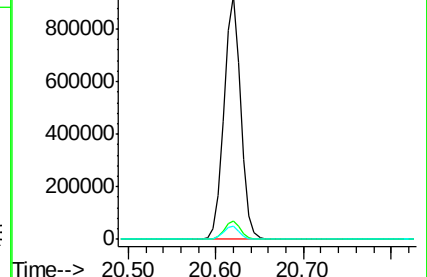
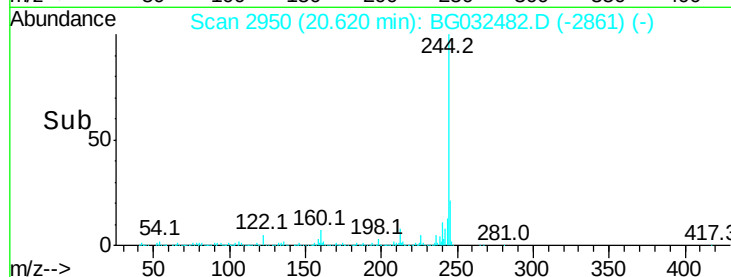
122 5.2 7.0 10.4#



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: 26.08 min Scan# 3880

Delta R.T. -0.00 min

Lab File: BG032482.D

Acq: 1 Feb 2018 2:48

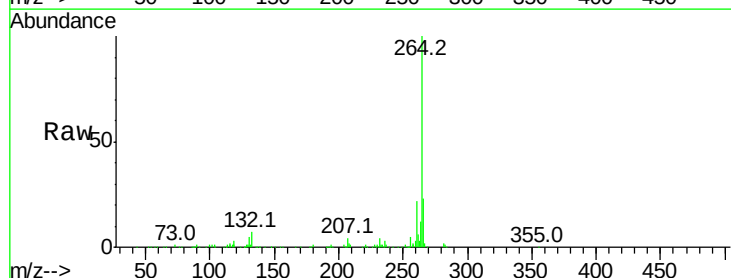
Tgt Ion:264 Resp: 281219

Ion Ratio Lower Upper

264 100

260 21.7 17.4 26.0

265 22.8 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

