

Data Path : U:\HPCHEM1\BNA G\DATA\BG013118\
 Data File : BG032475.D
 Acq On : 31 Jan 2018 21:09
 Operator : SJ/JU
 Sample : J1016-08
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 01 01:40:23 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

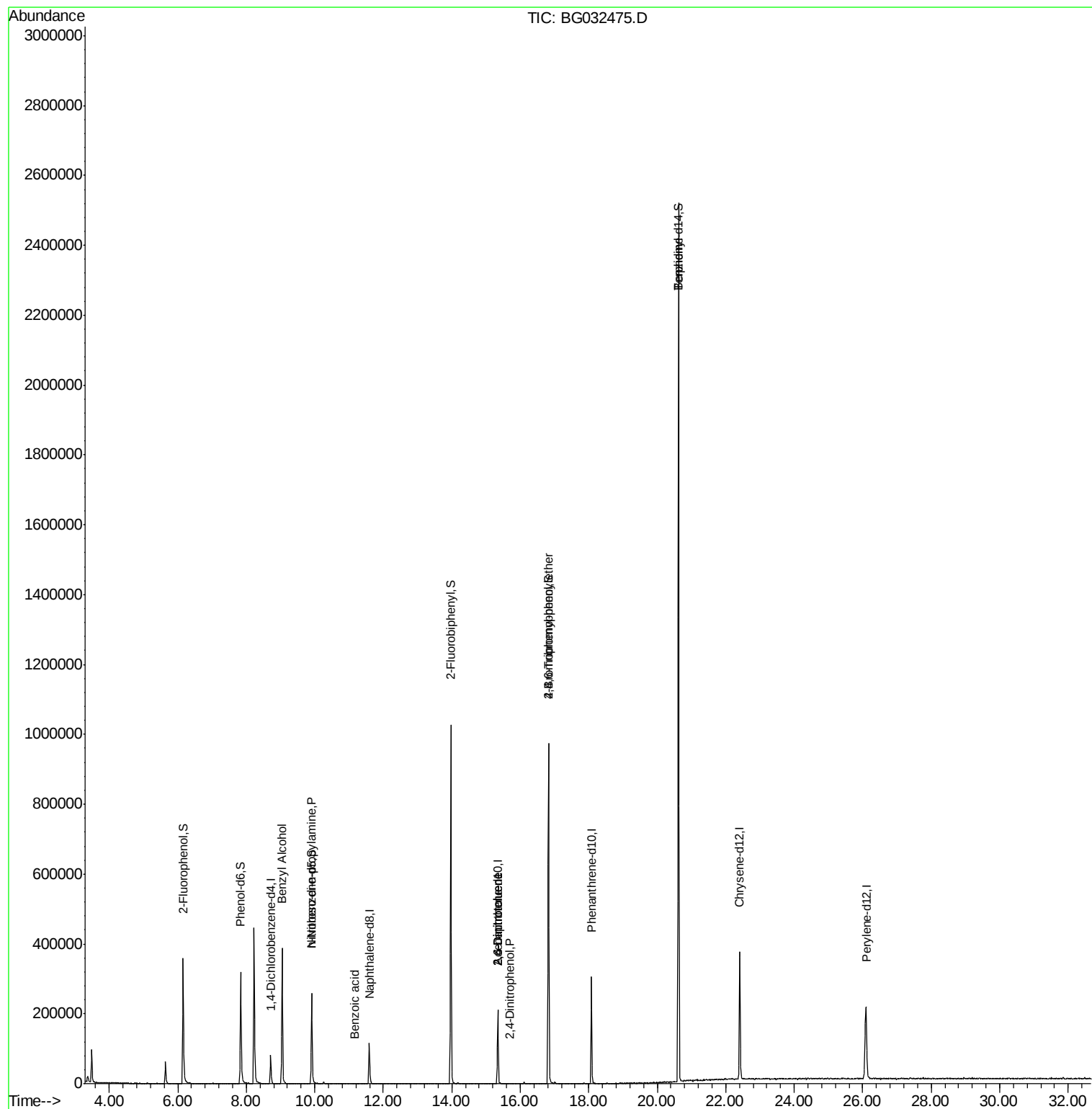
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.71	152	28890	20.00	ng	-0.01
21) Naphthalene-d8	11.59	136	114016	20.00	ng	-0.01
38) Acenaphthene-d10	15.34	164	81306	20.00	ng	-0.01
63) Phenanthrene-d10	18.08	188	216863	20.00	ng	-0.01
75) Chrysene-d12	22.41	240	284316	20.00	ng	-0.01
86) Perylene-d12	26.09	264	303233	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.16	112	198825	138.23	ng	0.00
7) Phenol-d6	7.84	99	222601	115.98	ng	0.00
23) Nitrobenzene-d5	9.91	82	171192	93.78	ng	-0.01
41) 2,4,6-Tribromophenol	16.83	330	236725	152.96	ng	-0.01
44) 2-Fluorobiphenyl	13.98	172	625948	91.50	ng	-0.01
78) Terphenyl-d14	20.62	244	1330365	100.23	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.04	79	3263	2.063	ng	# 39
19) n-Nitroso-di-n-propylamine	9.92	70	25080	19.707	ng	# 76
32) Benzoic acid	11.16	122	56	7.325	ng	# 1
50) 2,6-Dinitrotoluene	15.34	165	10183	6.472	ng	# 18
53) 2,4-Dinitrophenol	15.68	184	76	4.178	ng	# 1
56) 2,4-Dinitrotoluene	15.34	165	10183	4.545	ng	# 16
66) 4-Bromophenyl-phenylether	16.82	248	19607	6.103	ng	# 1
76) Benzidine	20.62	184	19260	3.450	ng	# 90

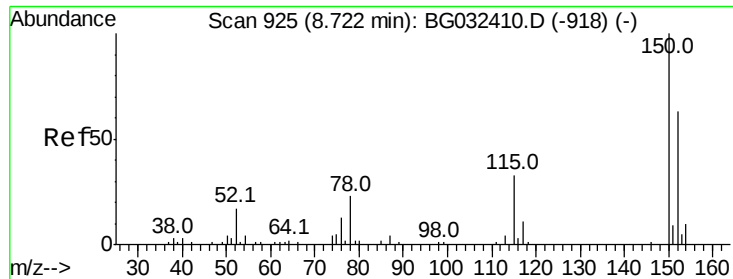
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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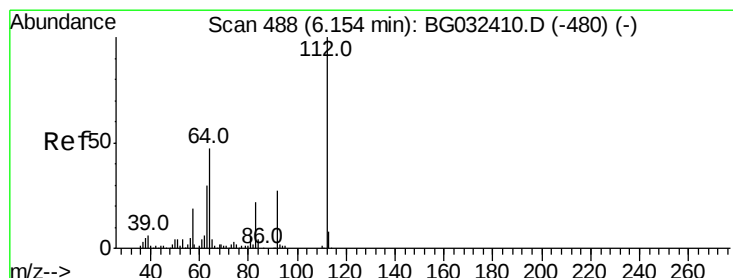
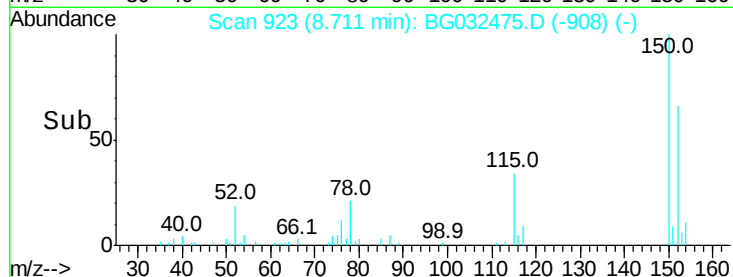
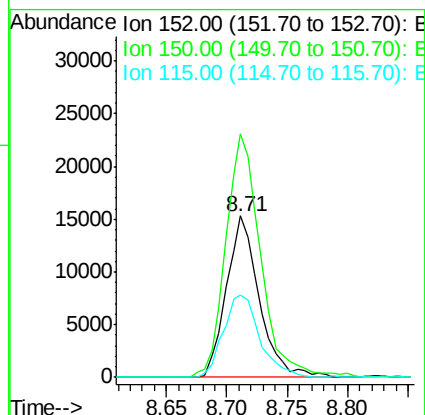
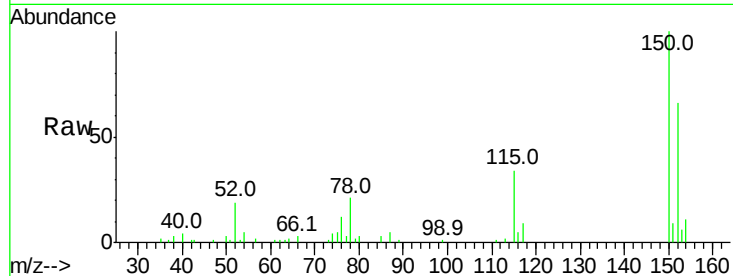


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.71 min Scan# 923
Delta R.T. -0.01 min
Lab File: BG032475.D
Acq: 31 Jan 2018 21:09

Instrument :
BNA_G
ClientSampleId :

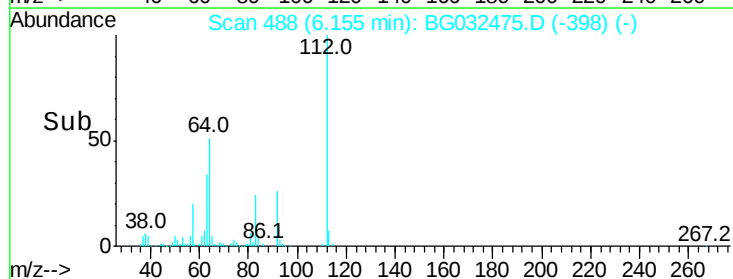
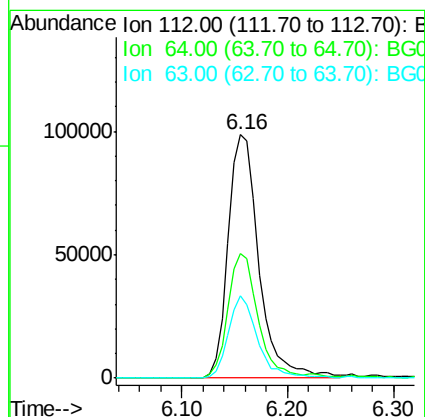
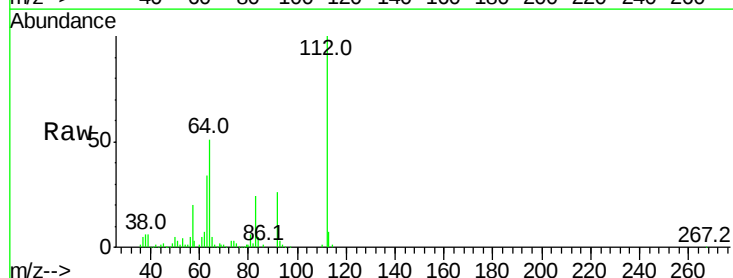
Tot Ion:152 Resp: 28890
Ion Ratio Lower Upper
152 100
150 150.7 126.6 189.8
115 50.9 53.0 79.4#

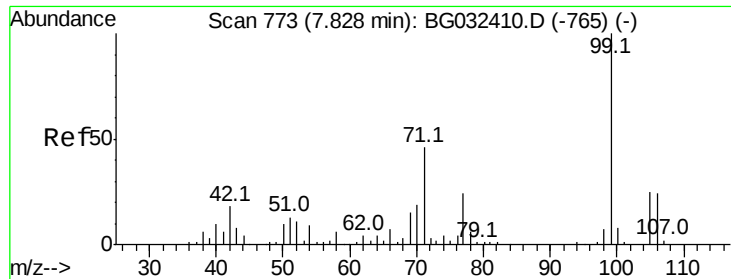


#5

2-Fluorophenol
Concen: 138.232 ng
RT: 6.16 min Scan# 488
Delta R.T. 0.00 min
Lab File: BG032475.D
Acq: 31 Jan 2018 21:09

Tgt Ion:112 Resp: 198825
Ion Ratio Lower Upper
112 100
64 51.0 56.3 84.5#
63 33.7 30.1 45.1





#7

Phenol-d6

Concen: 115.977 ng

RT: 7.84 min Scan# 774

Delta R.T. 0.01 min

Lab File: BG032475.D

Acq: 31 Jan 2018 21:09

Instrument :

BNA_G

ClientSampleId :

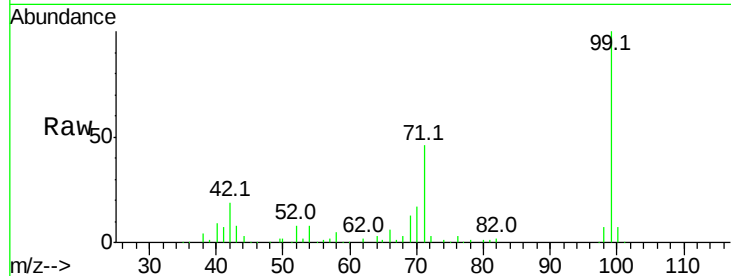
Tot Ion: 99 Resp: 222601

Ion Ratio Lower Upper

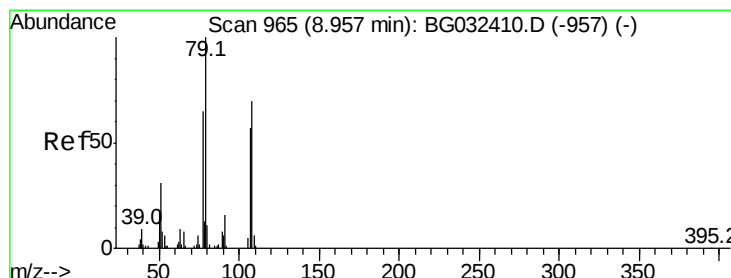
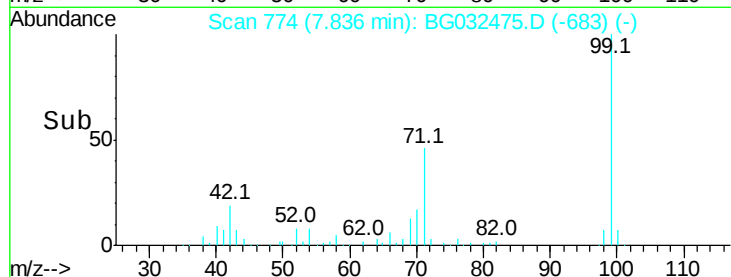
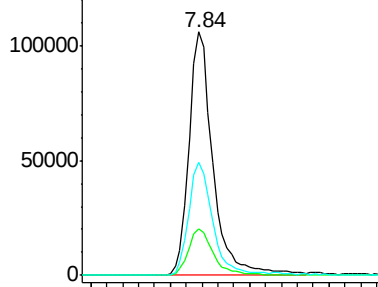
99 100

42 19.3 14.1 21.1

71 46.2 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: 2.063 ng

RT: 9.04 min Scan# 979

Delta R.T. 0.08 min

Lab File: BG032475.D

Acq: 31 Jan 2018 21:09

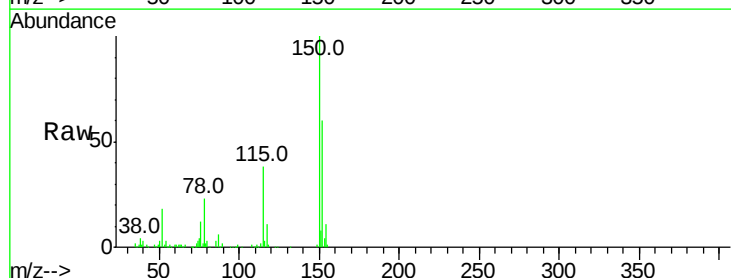
Tgt Ion: 79 Resp: 3263

Ion Ratio Lower Upper

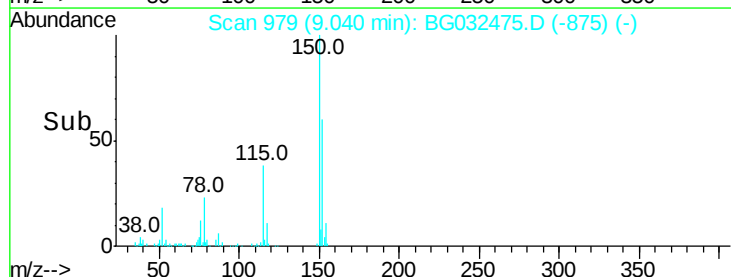
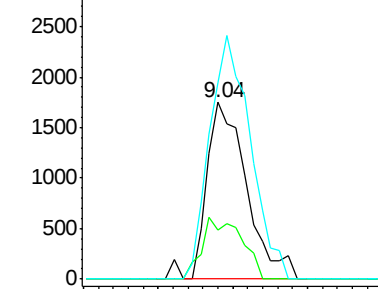
79 100

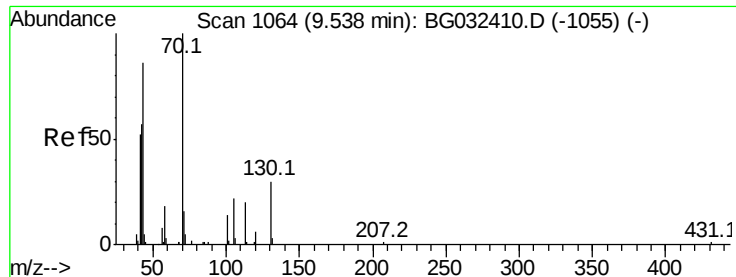
108 28.1 57.2 85.8#

77 111.1 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: 19.707 ng

RT: 9.92 min Scan# 1128

Delta R.T. 0.38 min

Lab File: BG032475.D

Acq: 31 Jan 2018 21:09

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 25080

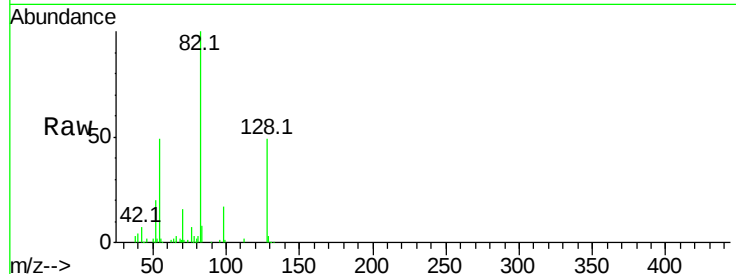
Ion Ratio Lower Upper

70 100

42 44.7 49.1 73.7#

101 0.0 8.5 12.7#

130 4.3 13.4 20.0#

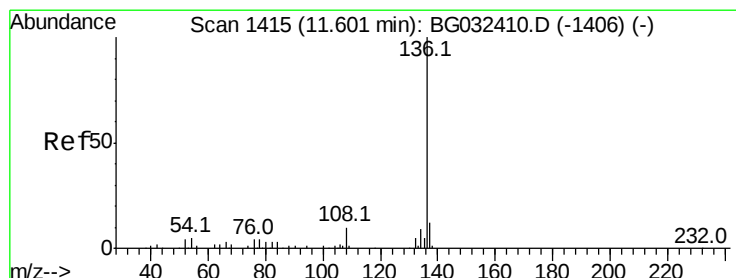
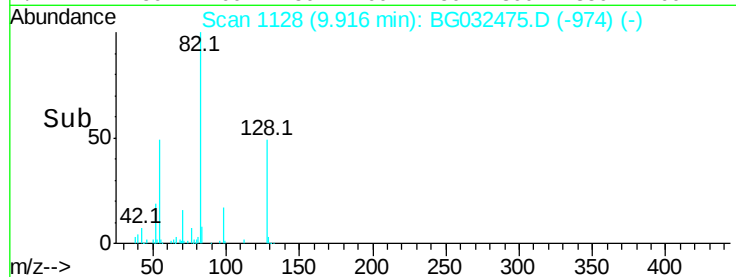
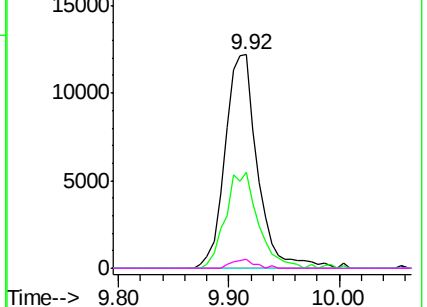


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 11.59 min Scan# 1413

Delta R.T. -0.01 min

Lab File: BG032475.D

Acq: 31 Jan 2018 21:09

Tgt Ion: 136 Resp: 114016

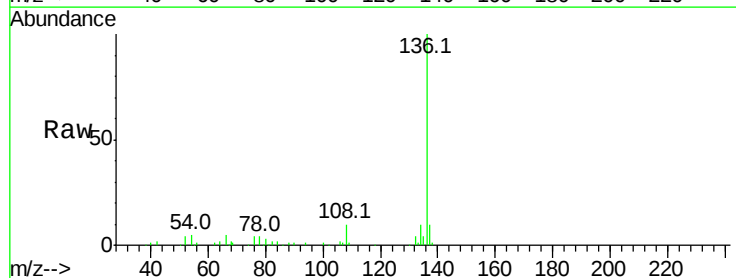
Ion Ratio Lower Upper

136 100

137 9.6 9.2 13.8

54 4.8 10.3 15.5#

68 2.6 4.5 6.7#

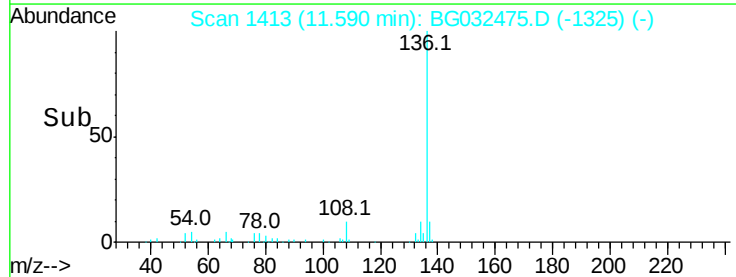
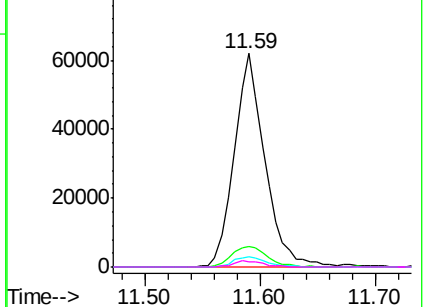


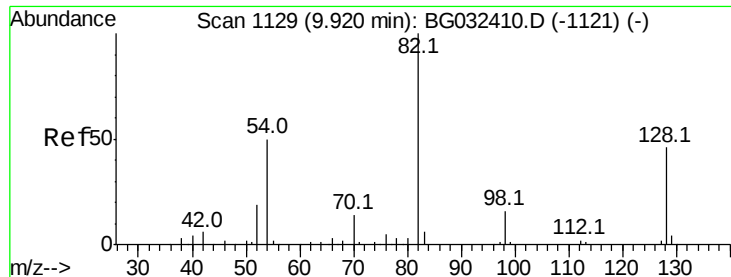
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

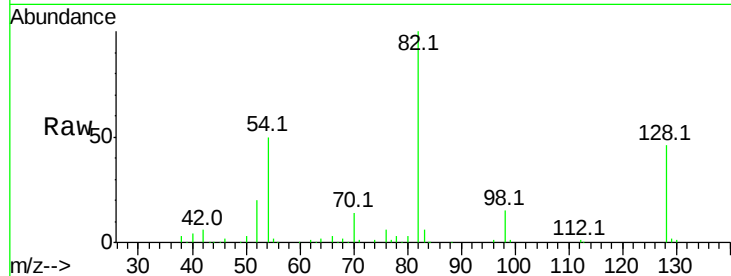




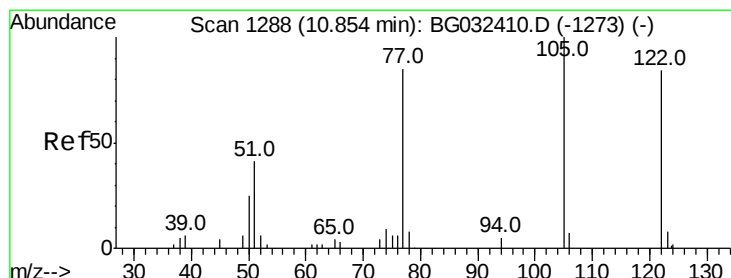
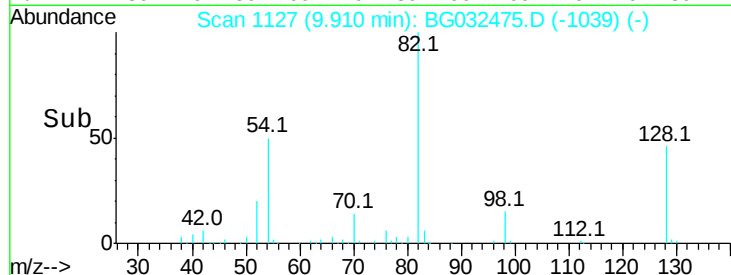
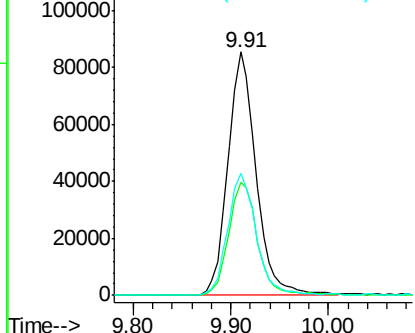
#23
 Nitrobenzene-d5
 Concen: 93.783 ng
 RT: 9.91 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: BG032475.D
 Acq: 31 Jan 2018 21:09

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 82 Resp: 171192
 Ion Ratio Lower Upper
 82 100
 128 46.4 29.7 44.5#
 54 50.3 43.1 64.7

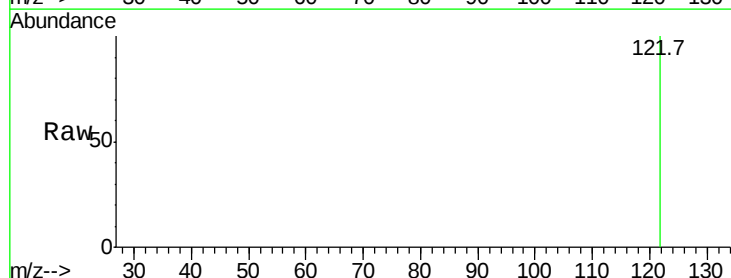


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

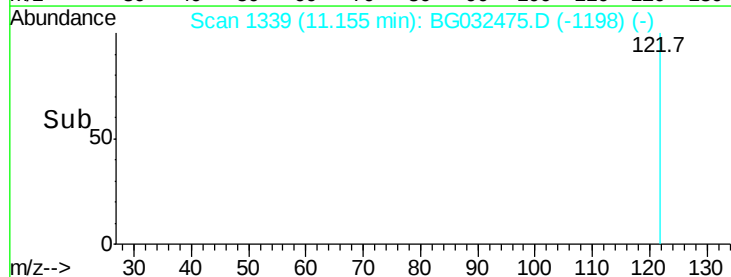
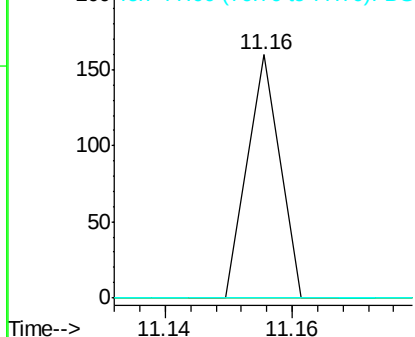


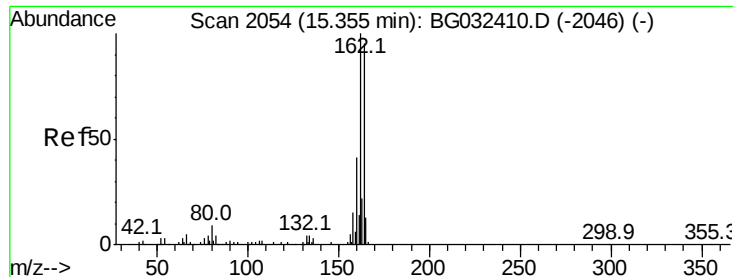
#32
 Benzoic acid
 Concen: 7.325 ng
 RT: 11.16 min Scan# 1339
 Delta R.T. 0.30 min
 Lab File: BG032475.D
 Acq: 31 Jan 2018 21:09

Tgt Ion:122 Resp: 56
 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): BGC
 Ion 105.00 (104.70 to 105.70): BGC
 Ion 77.00 (76.70 to 77.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.34 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BG032475.D

Acq: 31 Jan 2018 21:09

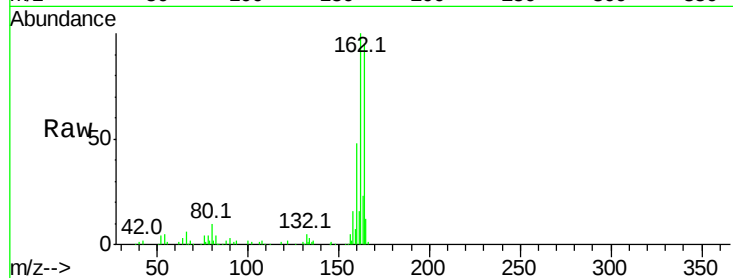
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 81306

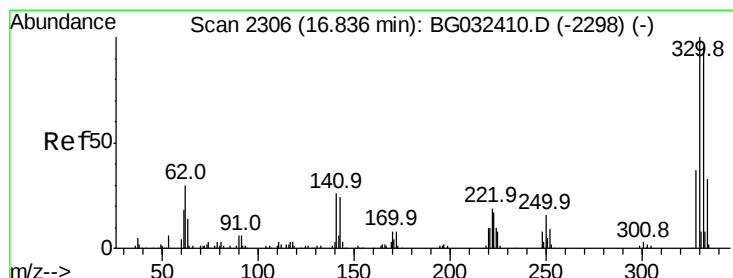
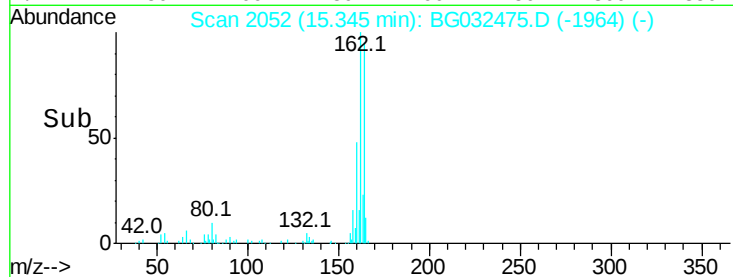
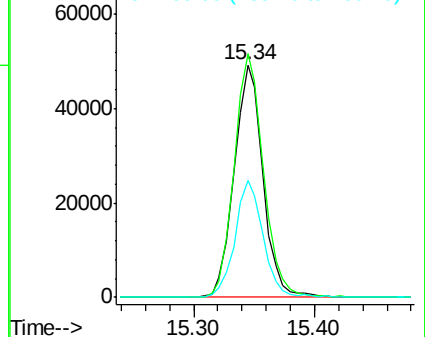
Ion	Ratio	Lower	Upper
164	100		
162	104.9	78.8	118.2
160	50.5	35.4	53.0



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: 152.957 ng

RT: 16.83 min Scan# 2304

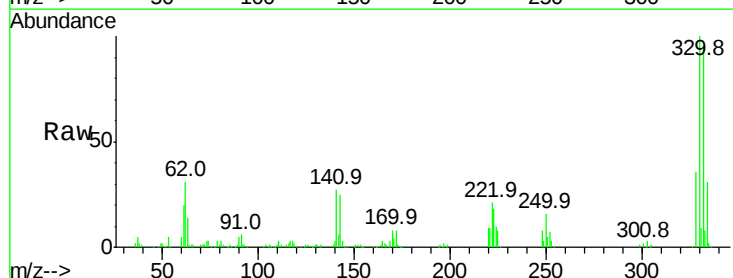
Delta R.T. -0.01 min

Lab File: BG032475.D

Acq: 31 Jan 2018 21:09

Tgt Ion:330 Resp: 236725

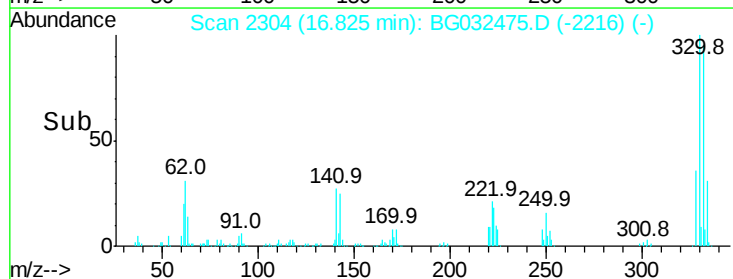
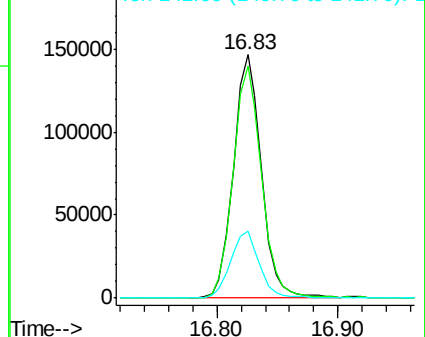
Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.0	115.6
141	27.9	25.2	37.8

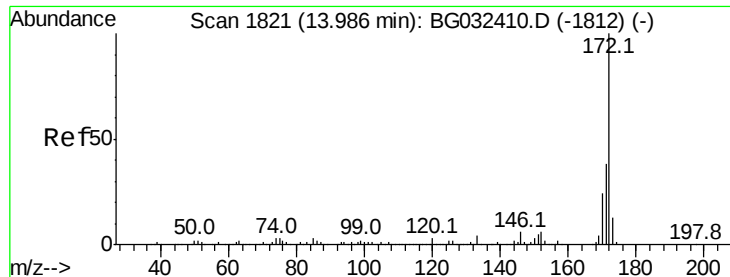


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

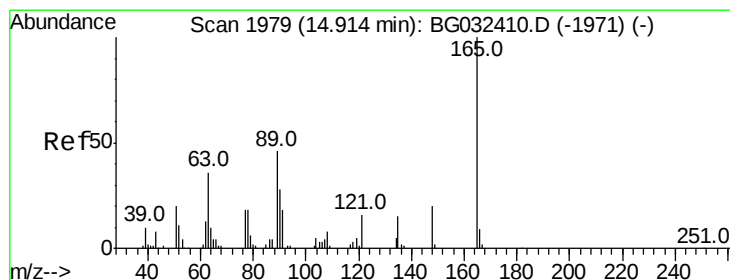
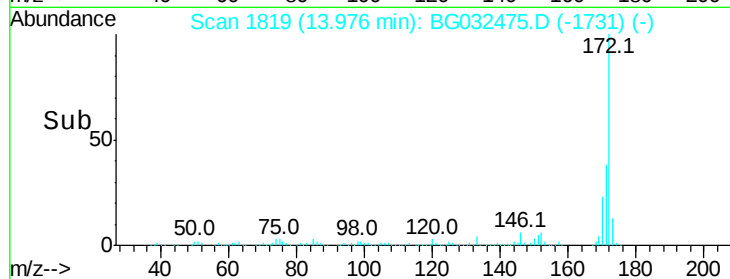
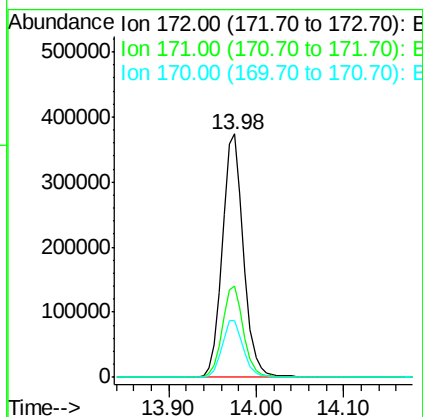
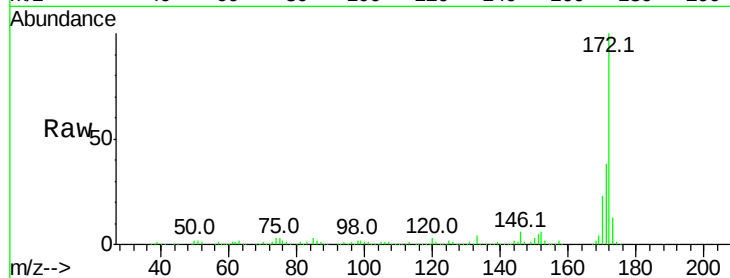




#44
 2-Fluorobiphenyl
 Concen: 91.504 ng
 RT: 13.98 min Scan# 1819
 Delta R.T. -0.01 min
 Lab File: BG032475.D
 Acq: 31 Jan 2018 21:09

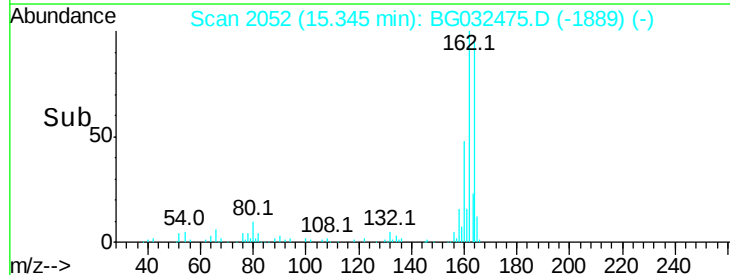
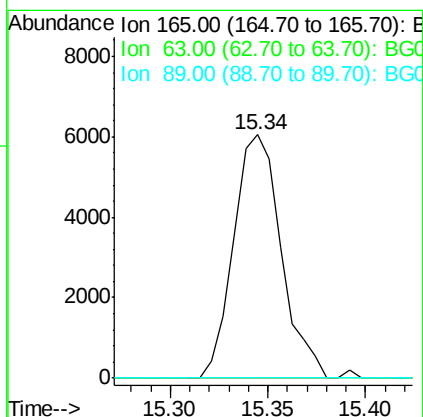
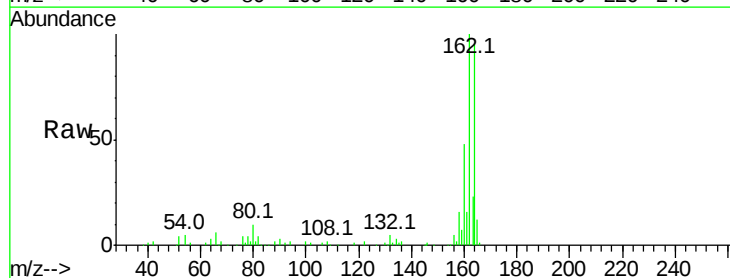
Instrument :
 BNA_G
 ClientSampled :

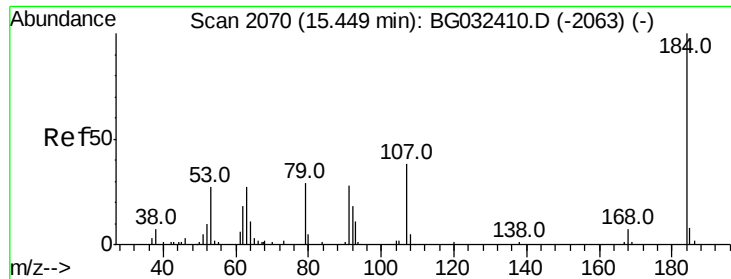
Tot Ion:172 Resp: 625948
 Ion Ratio Lower Upper
 172 100
 171 37.6 30.0 45.0
 170 23.5 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 6.472 ng
 RT: 15.34 min Scan# 2052
 Delta R.T. 0.43 min
 Lab File: BG032475.D
 Acq: 31 Jan 2018 21:09

Tgt Ion:165 Resp: 10183
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#

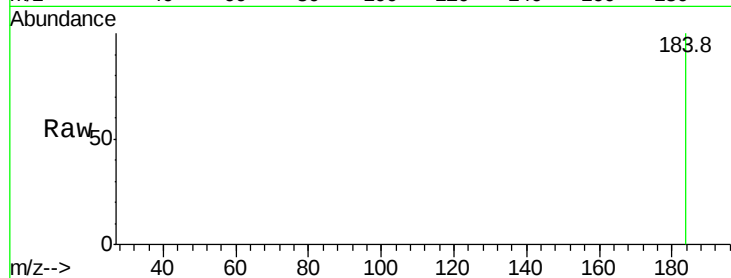




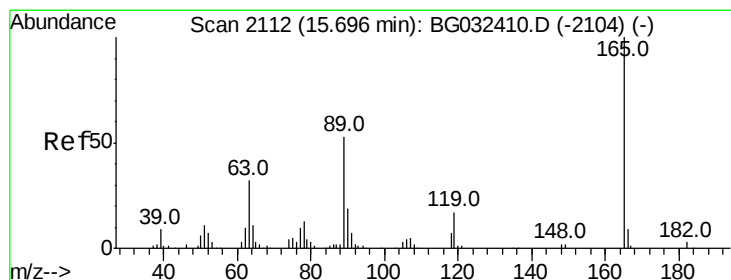
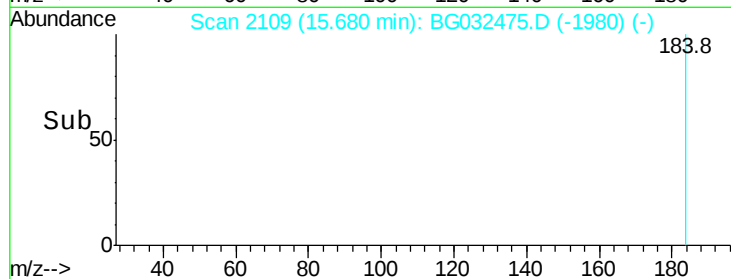
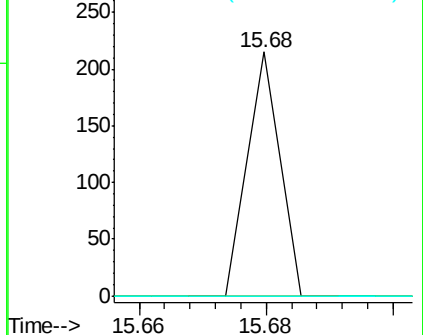
#53
2,4-Dinitrophenol
Concen: 4.178 ng
RT: 15.68 min Scan# 2109
Delta R.T. 0.23 min
Lab File: BG032475.D
Acq: 31 Jan 2018 21:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion:184 Resp: 76
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 0.0 101.8 152.8#

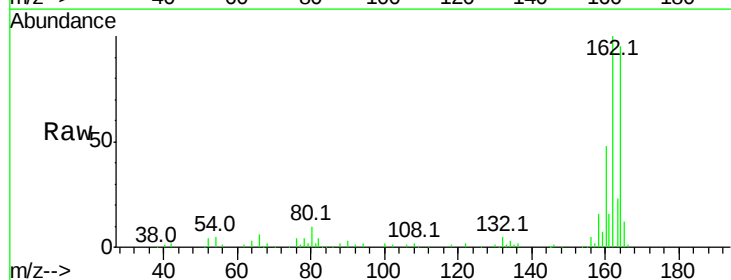


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

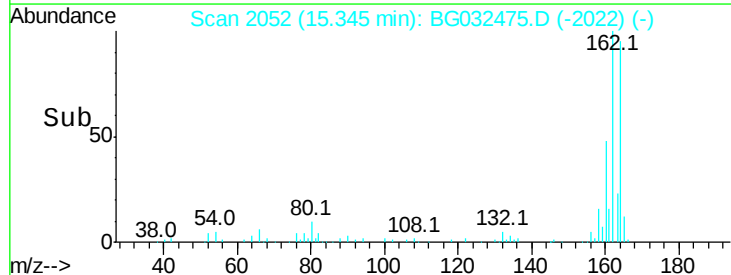
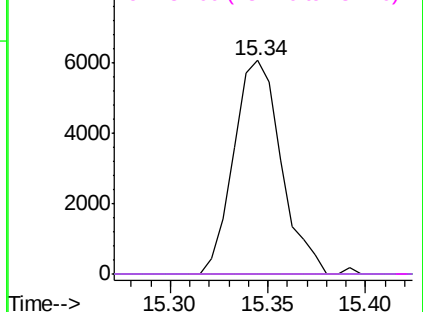


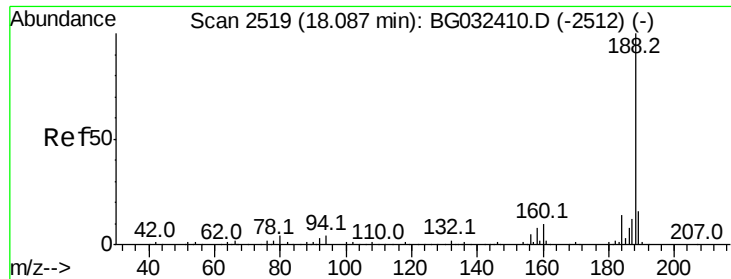
#56
2,4-Dinitrotoluene
Concen: 4.545 ng
RT: 15.34 min Scan# 2052
Delta R.T. -0.35 min
Lab File: BG032475.D
Acq: 31 Jan 2018 21:09

Tgt Ion:165 Resp: 10183
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

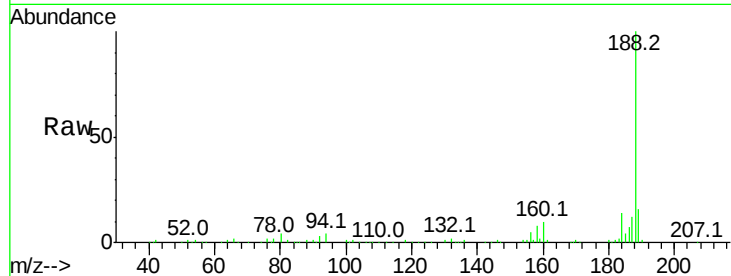




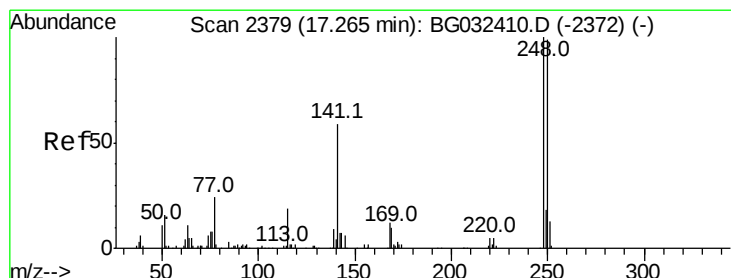
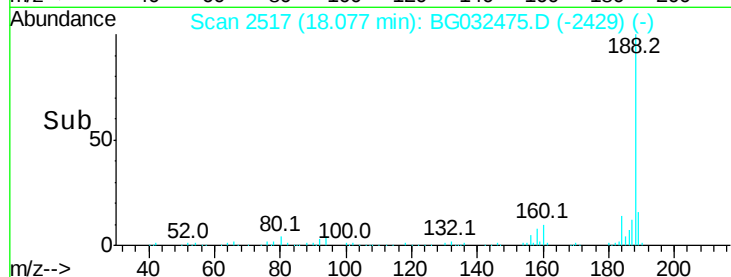
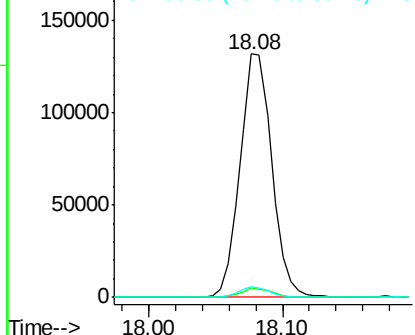
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.08 min Scan# 2517
 Delta R.T. -0.01 min
 Lab File: BG032475.D
 Acq: 31 Jan 2018 21:09

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:188 Resp: 216863
 Ion Ratio Lower Upper
 188 100
 94 4.1 6.9 10.3#
 80 4.3 7.7 11.5#

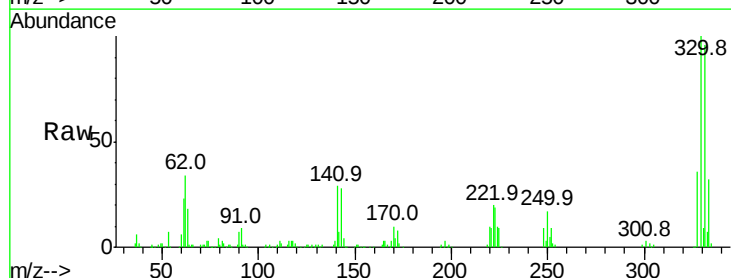


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

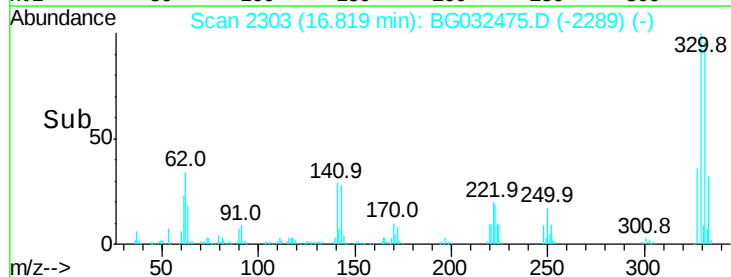
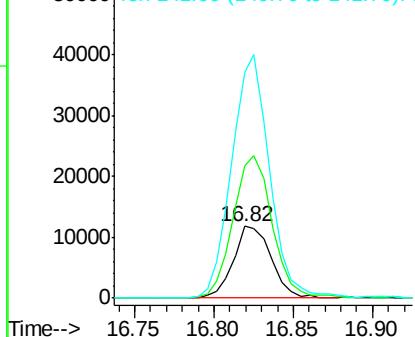


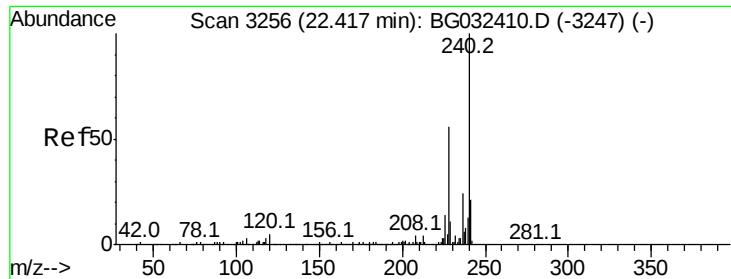
#66
 4-Bromophenyl-phenylether
 Concen: 6.103 ng
 RT: 16.82 min Scan# 2303
 Delta R.T. -0.45 min
 Lab File: BG032475.D
 Acq: 31 Jan 2018 21:09

Tgt Ion:248 Resp: 19607
 Ion Ratio Lower Upper
 248 100
 250 185.4 77.1 115.7#
 141 314.2 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: BG032475.D

Acq: 31 Jan 2018 21:09

Instrument :

BNA_G

ClientSampleId :

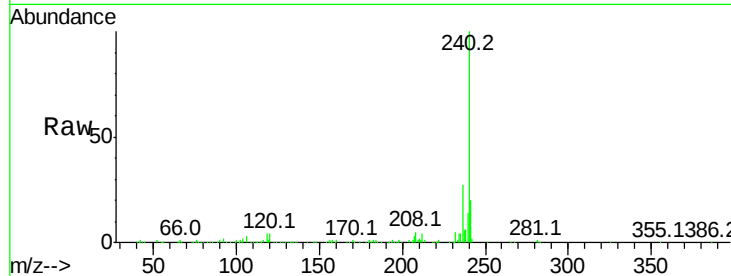
Tot Ion:240 Resp: 284316

Ion Ratio Lower Upper

240 100

120 3.9 6.8 10.2#

236 26.8 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

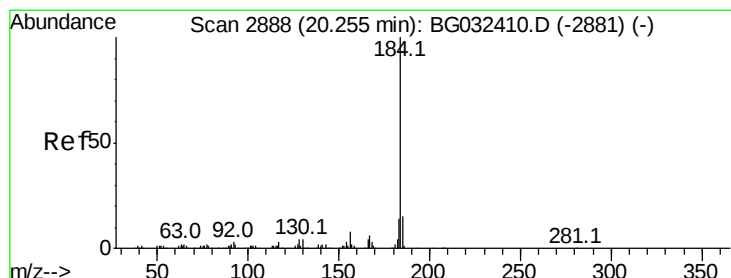
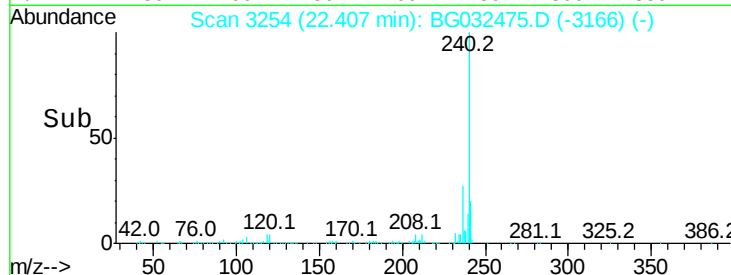
150000

100000

50000

0

Time-->



#76

Benzidine

Concen: 3.450 ng

RT: 20.62 min Scan# 2950

Delta R.T. 0.37 min

Lab File: BG032475.D

Acq: 31 Jan 2018 21:09

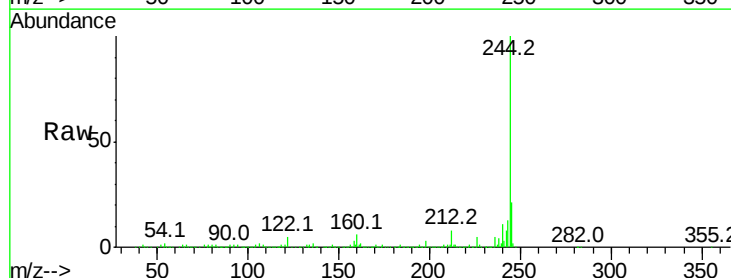
Tgt Ion:184 Resp: 19260

Ion Ratio Lower Upper

184 100

185 17.9 11.1 16.7#

183 9.0 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

20.62

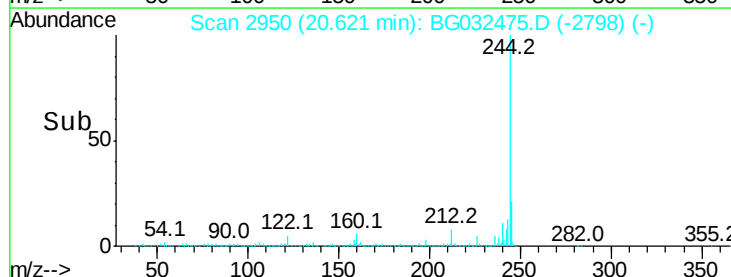
15000

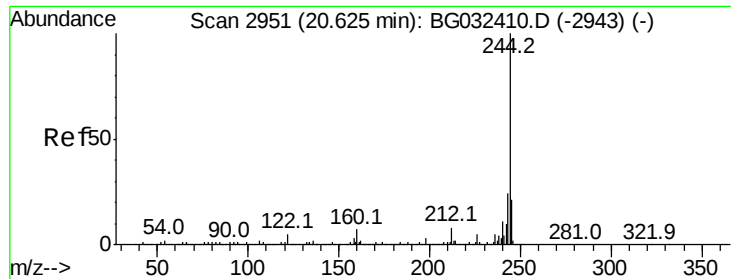
10000

5000

0

Time-->

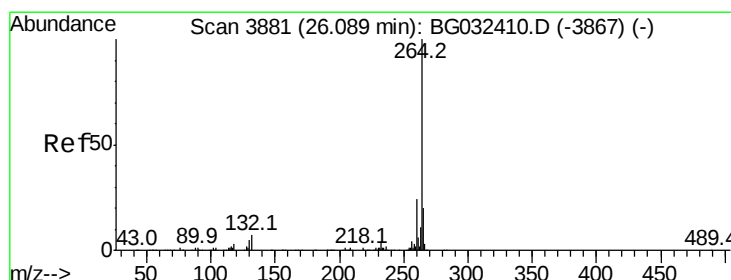
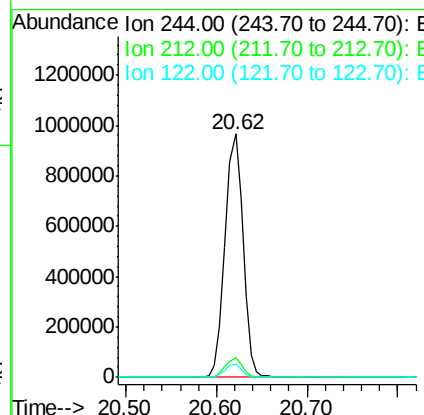
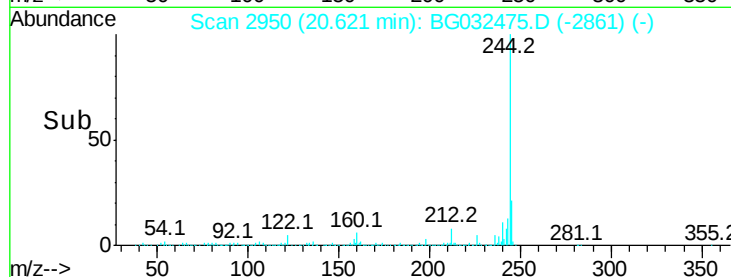
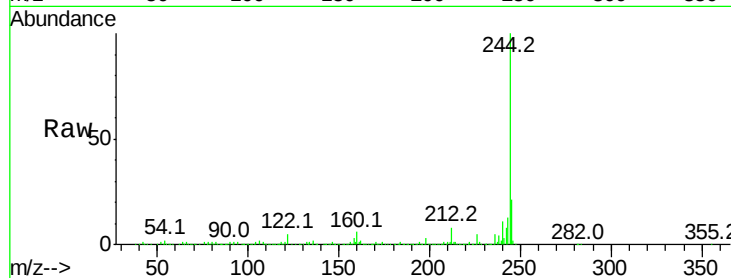




#78
 Terphenyl-d14
 Concen: 100.232 ng
 RT: 20.62 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: BG032475.D
 Acq: 31 Jan 2018 21:09

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1330365
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.8 8.8
 122 5.2 7.0 10.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.09 min Scan# 3881
 Delta R.T. 0.00 min
 Lab File: BG032475.D
 Acq: 31 Jan 2018 21:09

Tgt Ion:264 Resp: 303233
 Ion Ratio Lower Upper
 264 100
 260 24.2 17.4 26.0
 265 21.3 17.7 26.5

