

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022718\
 Data File : BG032879.D
 Acq On : 28 Feb 2018 7:09
 Operator : SJ/JU
 Sample : J1698-04
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 28 09:41:59 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 26 17:50:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	76273	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	324273	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	180876	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	402097	20.00	ng	0.00
75) Chrysene-d12	22.62	240	369717	20.00	ng	-0.01
86) Perylene-d12	26.42	264	372346	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.33	112	649149	136.16	ng	0.00
7) Phenol-d6	8.01	99	781387	117.59	ng	0.00
23) Nitrobenzene-d5	10.12	82	539901	111.98	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	256219	134.72	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	1172995	93.53	ng	0.00
78) Terphenyl-d14	20.78	244	1635283	99.37	ng	0.00

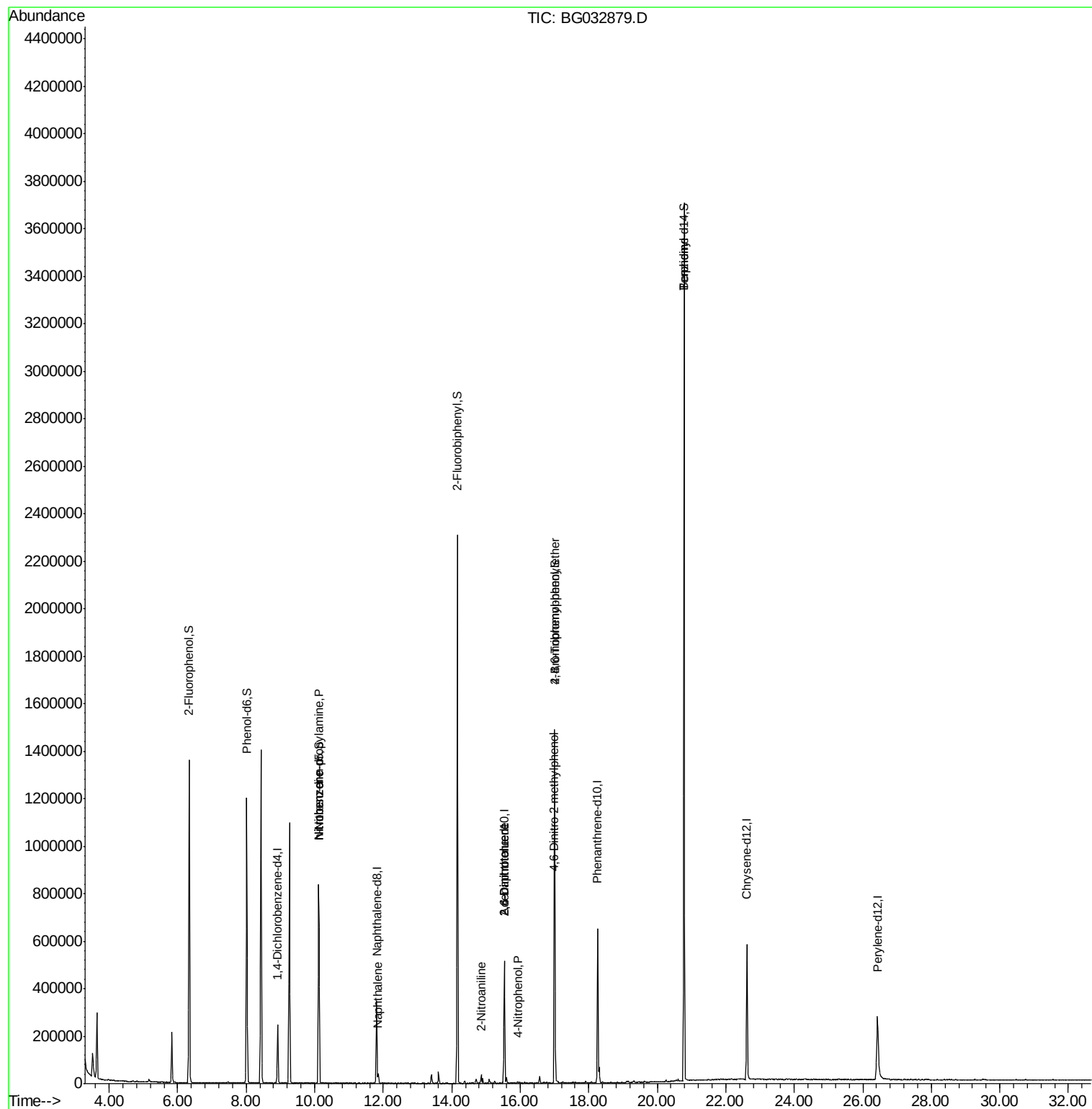
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	10.12	70	70367	14.999	ng	# 84
24) Nitrobenzene	10.12	77	1495	6.631	ng	# 43
31) Naphthalene	11.86	128	39151	2.311	ng	# 97
47) 2-Nitroaniline	14.85	65	176	9.883	ng	# 9
50) 2,6-Dinitrotoluene	15.53	165	23312	16.369	ng	# 21
55) 4-Nitrophenol	15.93	139	1776	7.724	ng	# 1
56) 2,4-Dinitrotoluene	15.53	165	23312	14.567	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.98	198	1012	6.016	ng	# 92
66) 4-Bromophenyl-phenylether	17.00	248	19396	4.562	ng	# 1
76) Benzidine	20.78	184	28746	2.281	ng	# 90

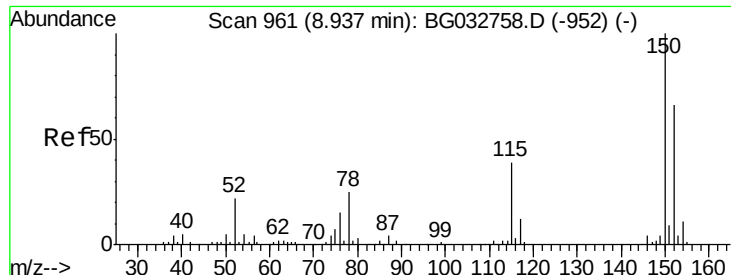
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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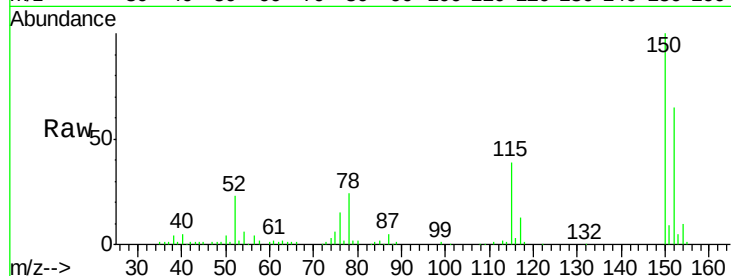


#1

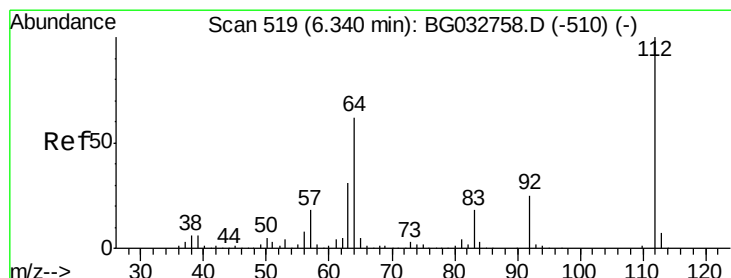
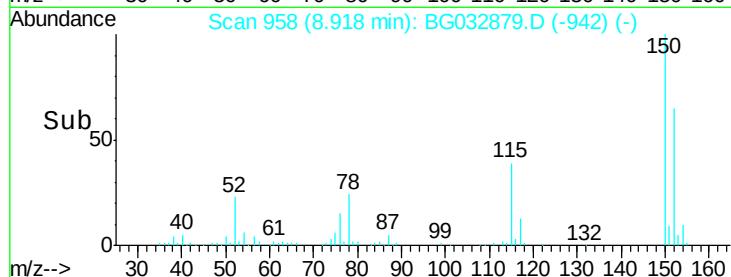
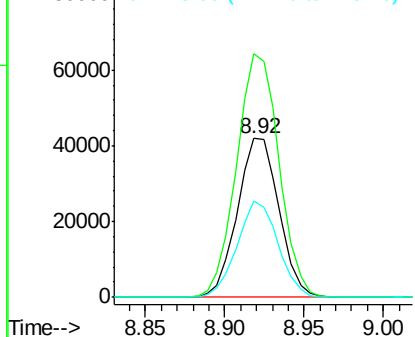
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 958
Delta R.T. -0.01 min
Lab File: BG032879.D
Acq: 28 Feb 2018 7:09

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 76273
Ion Ratio Lower Upper
152 100
150 153.3 126.6 189.8
115 60.5 53.0 79.4



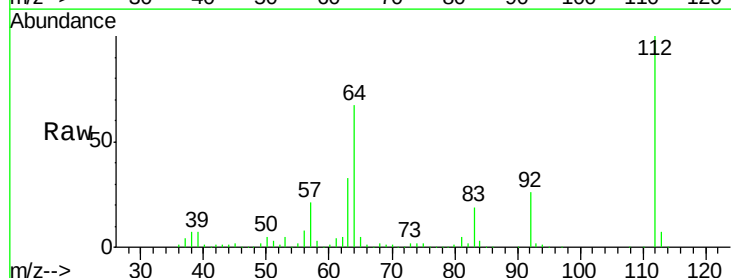
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



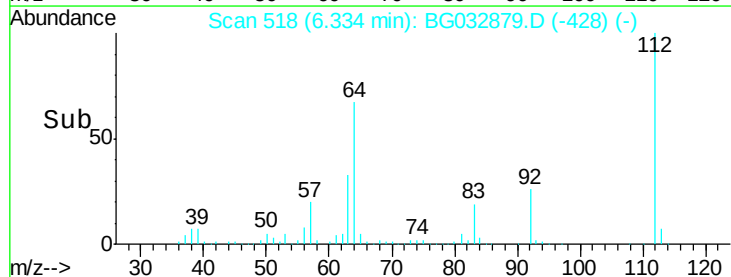
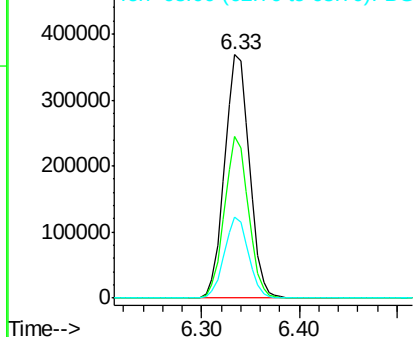
#5

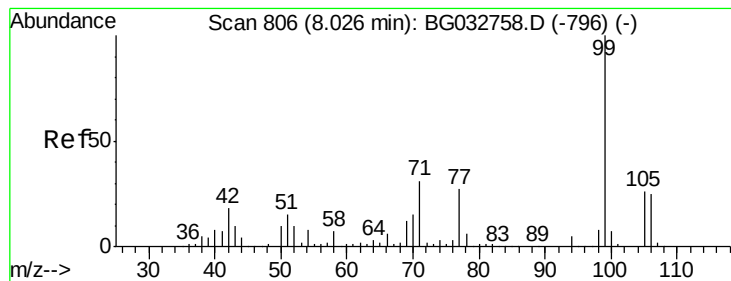
2-Fluorophenol
Concen: 136.161 ng
RT: 6.33 min Scan# 518
Delta R.T. -0.00 min
Lab File: BG032879.D
Acq: 28 Feb 2018 7:09

Tgt Ion:112 Resp: 649149
Ion Ratio Lower Upper
112 100
64 66.7 56.3 84.5
63 33.4 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 117.586 ng

RT: 8.01 min Scan# 804

Delta R.T. -0.00 min

Lab File: BG032879.D

Acq: 28 Feb 2018 7:09

Instrument :

BNA_G

ClientSampled :

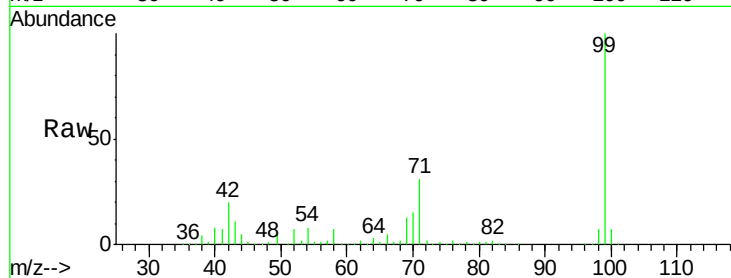
Tot Ion: 99 Resp: 781387

Ion Ratio Lower Upper

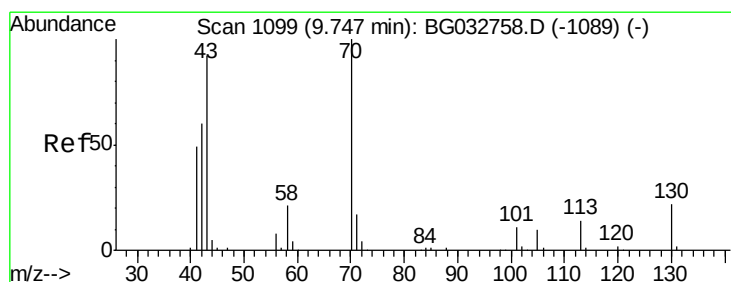
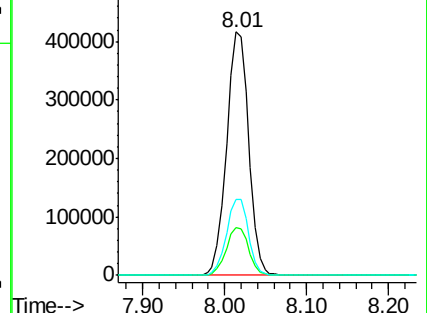
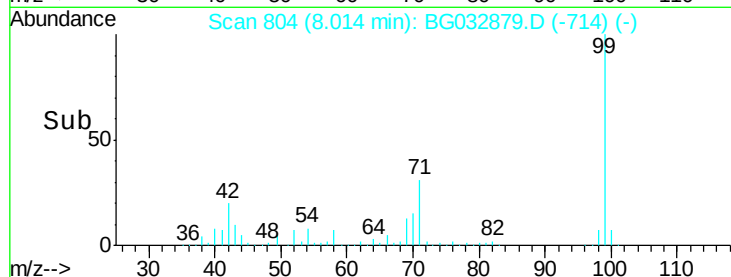
99 100

42 19.8 14.1 21.1

71 31.3 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: 14.999 ng

RT: 10.12 min Scan# 1162

Delta R.T. 0.38 min

Lab File: BG032879.D

Acq: 28 Feb 2018 7:09

Tgt Ion: 70 Resp: 70367

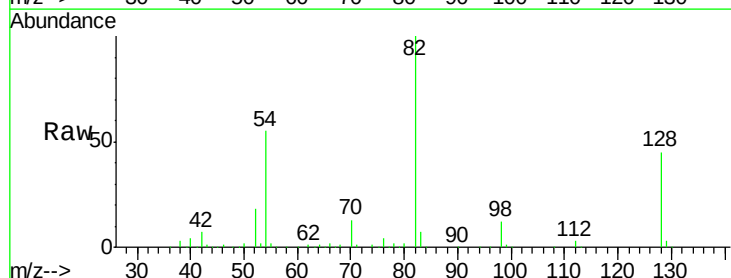
Ion Ratio Lower Upper

70 100

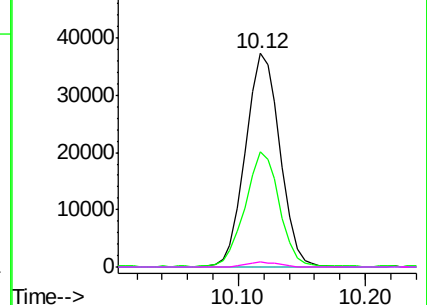
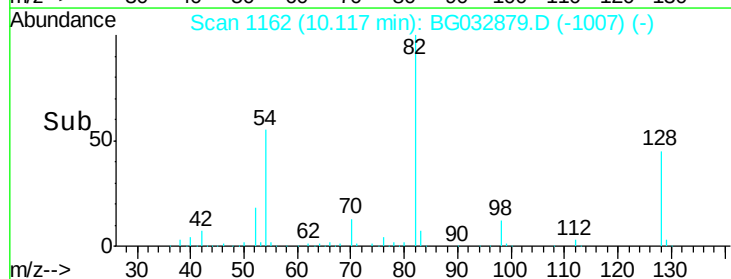
42 53.9 49.1 73.7

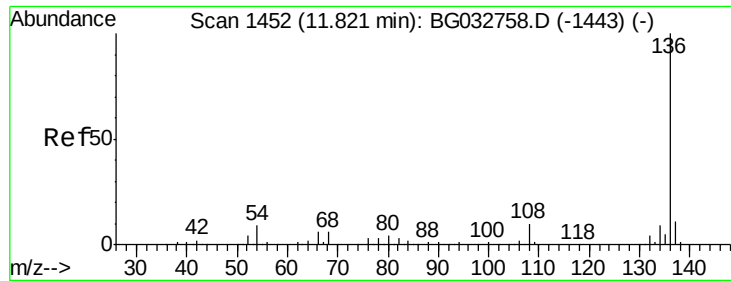
101 0.0 8.5 12.7#

130 2.6 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: 11.81 min Scan# 1450

Delta R.T. -0.00 min

Lab File: BG032879.D

Acq: 28 Feb 2018 7:09

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 324273

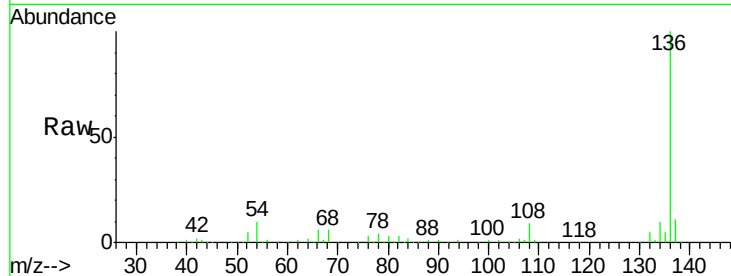
Ion Ratio Lower Upper

136 100

137 10.7 9.2 13.8

54 9.6 10.3 15.5#

68 6.3 4.5 6.7

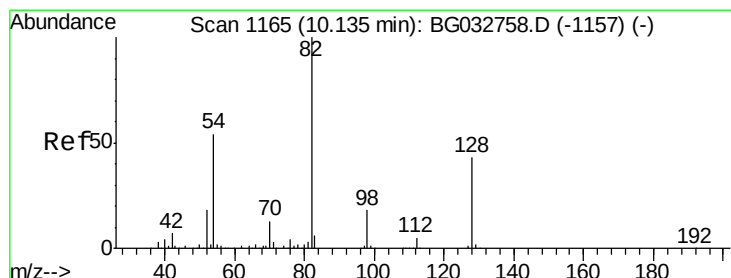
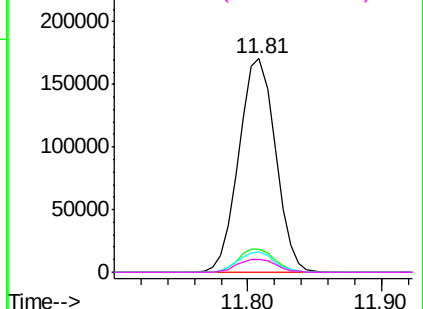
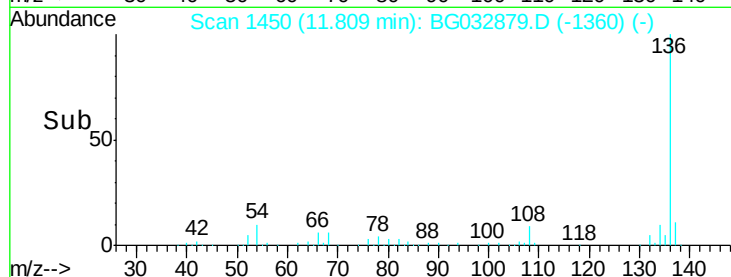


Abundance Ion 136.00 (135.70 to 136.70): E

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: 111.978 ng

RT: 10.12 min Scan# 1162

Delta R.T. -0.01 min

Lab File: BG032879.D

Acq: 28 Feb 2018 7:09

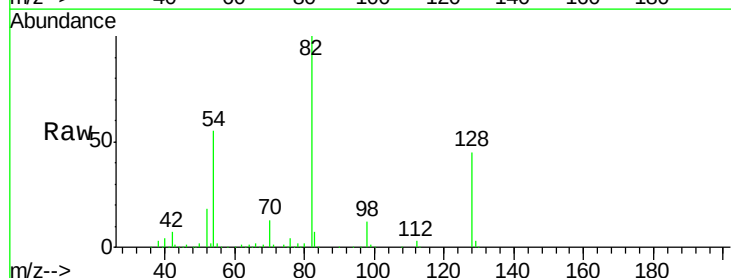
Tgt Ion: 82 Resp: 539901

Ion Ratio Lower Upper

82 100

128 45.1 29.7 44.5#

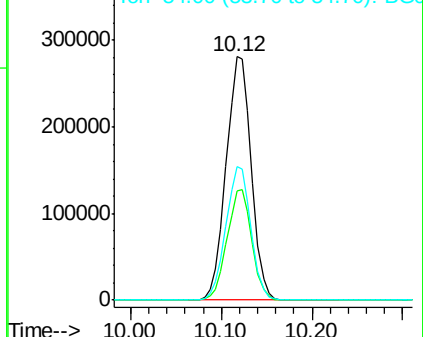
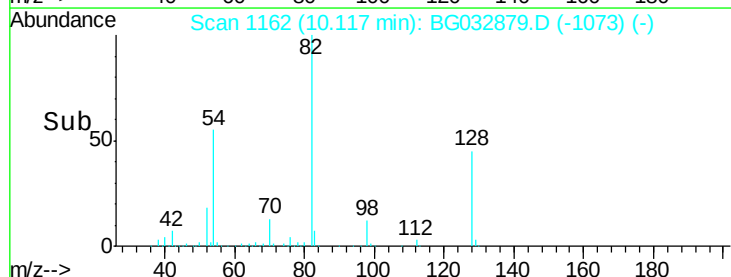
54 54.6 43.1 64.7

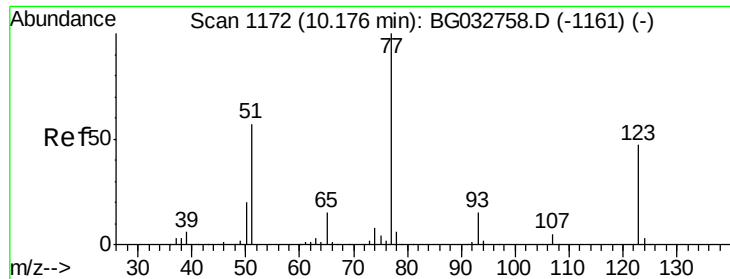


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

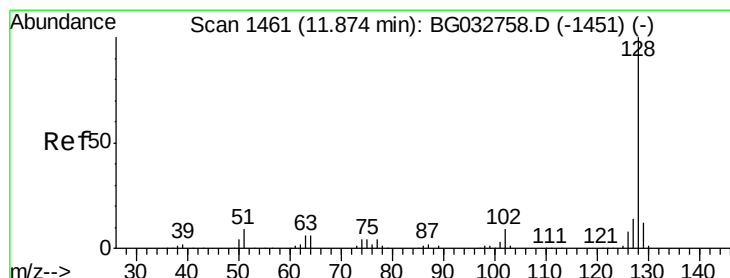
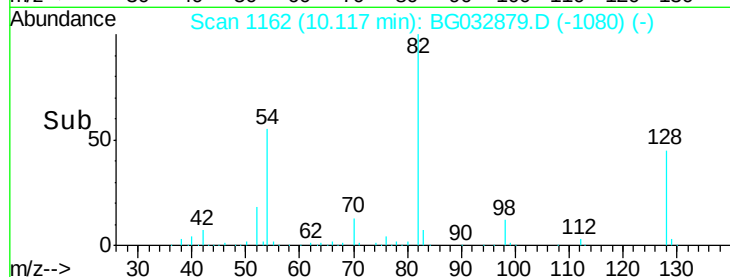
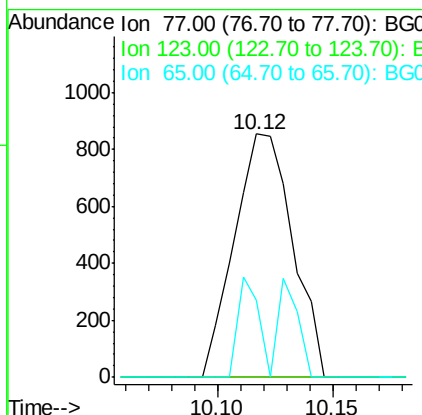
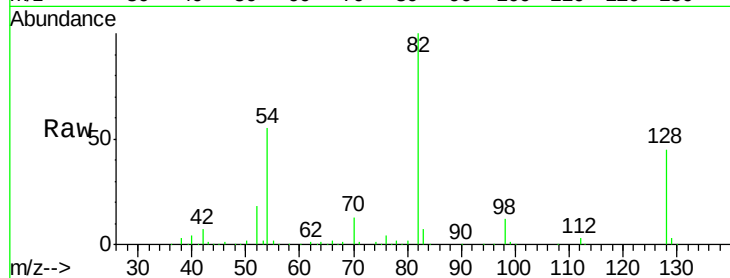




#24
Nitrobenzene
Concen: 6.631 ng
RT: 10.12 min Scan# 1162
Delta R.T. -0.05 min
Lab File: BG032879.D
Acq: 28 Feb 2018 7:09

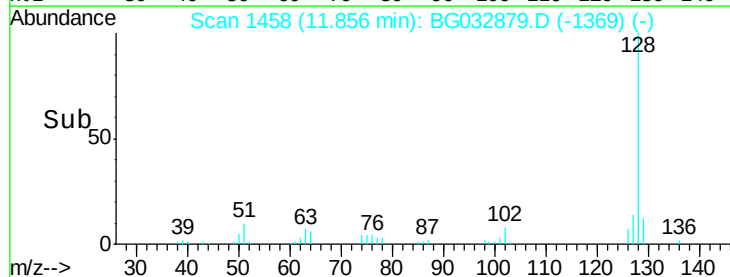
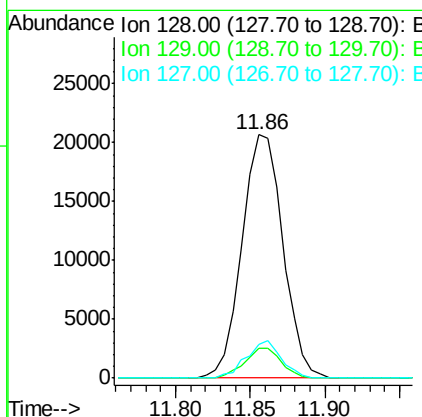
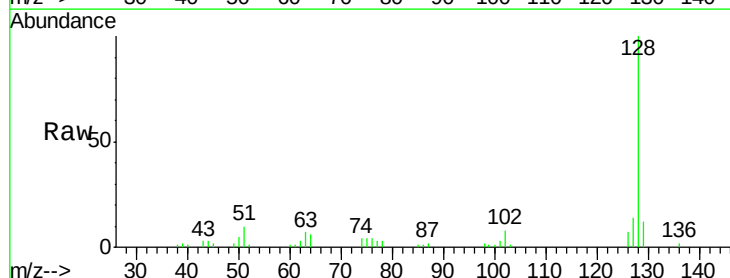
Instrument :
BNA_G
ClientSampleId :

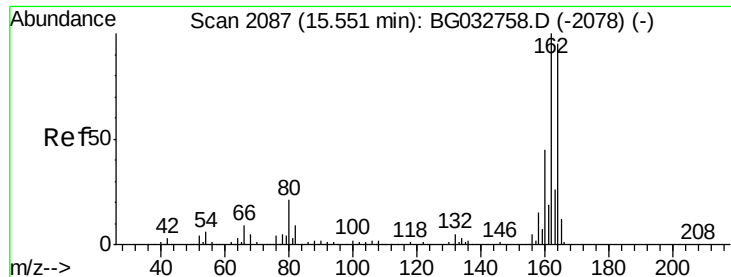
Tot Ion: 77 Resp: 1495
Ion Ratio Lower Upper
77 100
123 0.0 33.0 49.6#
65 31.5 13.0 19.6#



#31
Naphthalene
Concen: 2.311 ng
RT: 11.86 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BG032879.D
Acq: 28 Feb 2018 7:09

Tgt Ion: 128 Resp: 39151
Ion Ratio Lower Upper
128 100
129 12.5 8.6 12.8
127 13.9 11.6 17.4





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.53 min Scan# 2084

Delta R.T. -0.01 min

Lab File: BG032879.D

Acq: 28 Feb 2018 7:09

Instrument :

BNA_G

ClientSampleId :

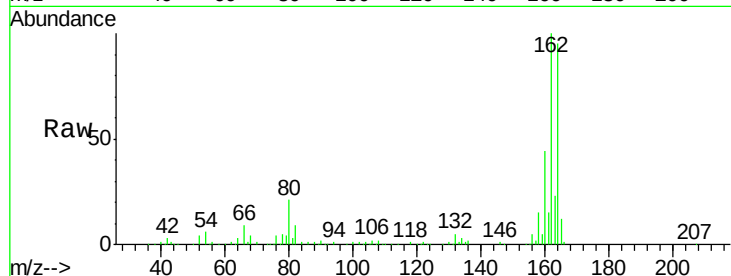
Tot Ion:164 Resp: 180876

Ion Ratio Lower Upper

164 100

162 105.8 78.8 118.2

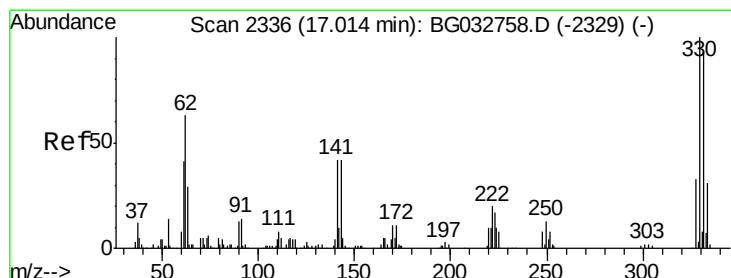
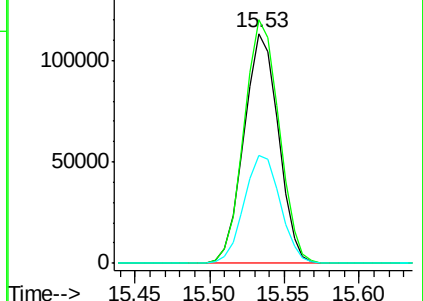
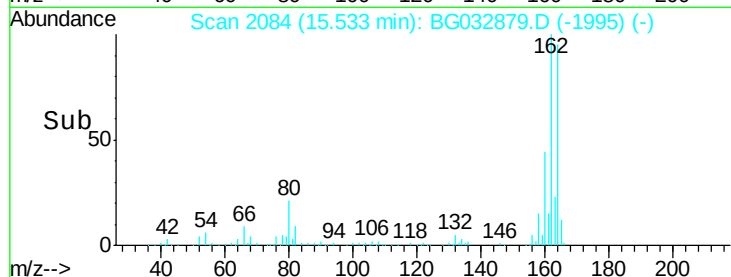
160 46.7 35.4 53.0



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: 134.721 ng

RT: 17.00 min Scan# 2334

Delta R.T. -0.01 min

Lab File: BG032879.D

Acq: 28 Feb 2018 7:09

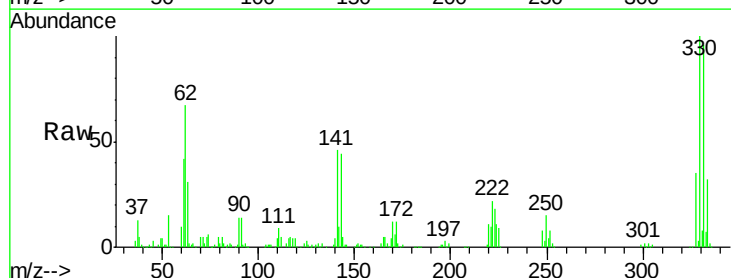
Tgt Ion:330 Resp: 256219

Ion Ratio Lower Upper

330 100

332 96.9 77.0 115.6

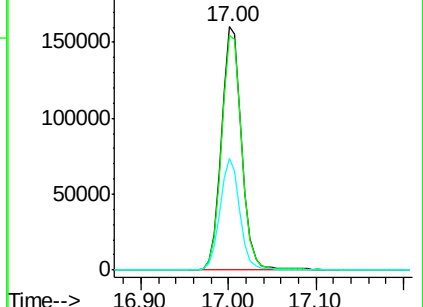
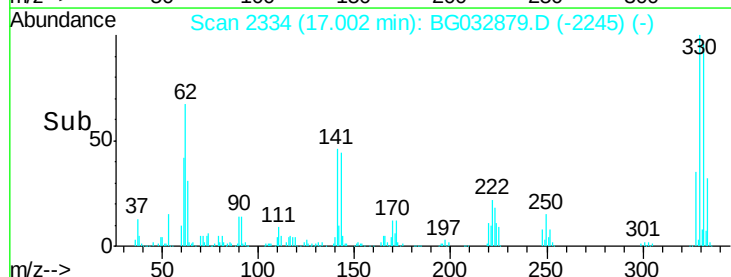
141 44.6 25.2 37.8#

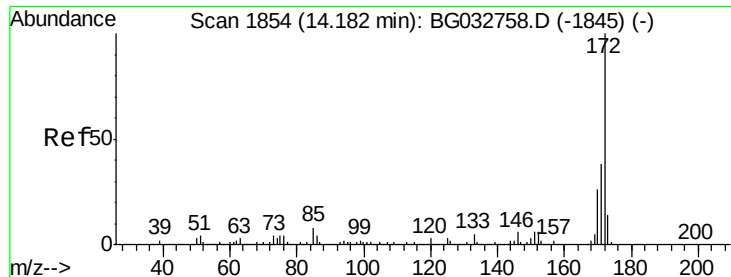


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



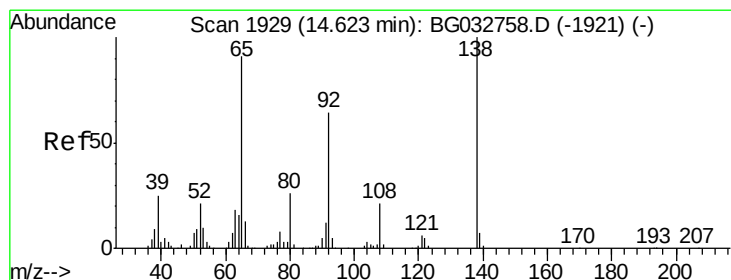
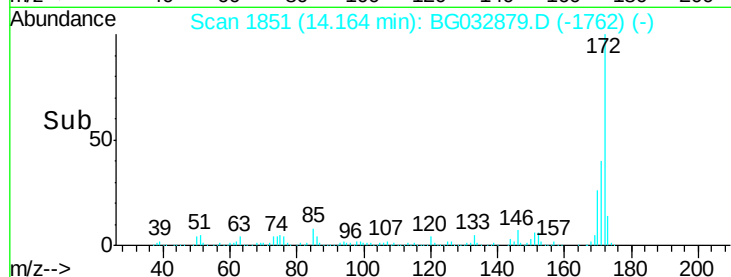
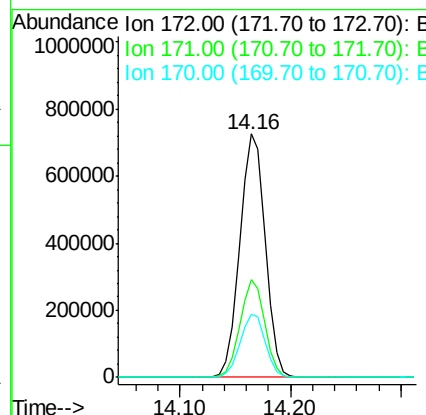
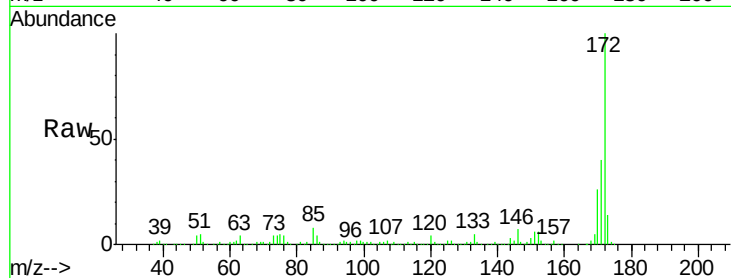


#44
 2-Fluorobiphenyl
 Concen: 93.531 ng
 RT: 14.16 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BG032879.D
 Acq: 28 Feb 2018 7:09

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:172 Resp: 1172995

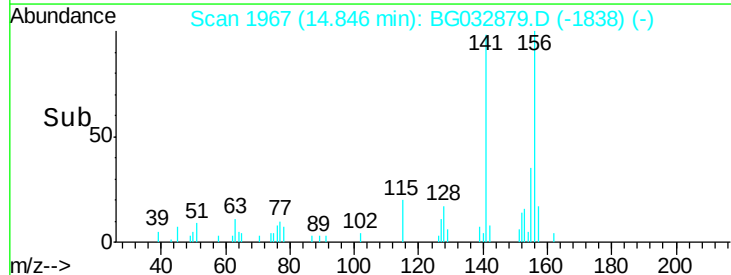
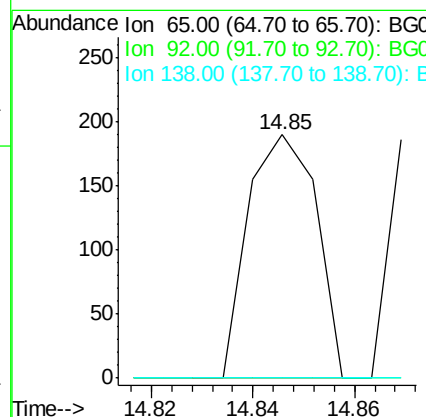
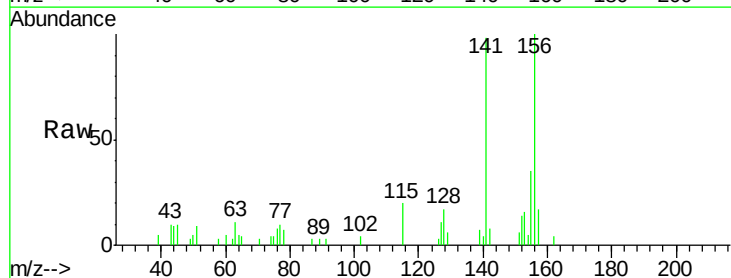
Ion	Ratio	Lower	Upper
172	100		
171	40.1	30.0	45.0
170	26.0	19.5	29.3

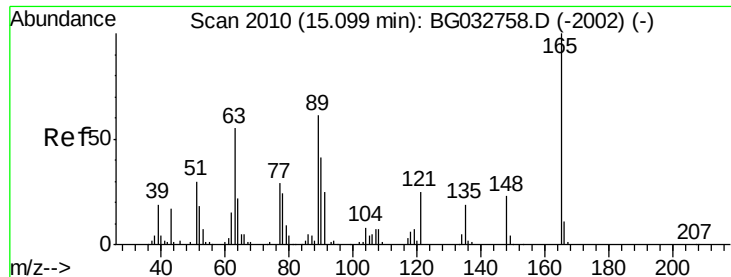


#47
 2-Nitroaniline
 Concen: 9.883 ng
 RT: 14.85 min Scan# 1967
 Delta R.T. 0.23 min
 Lab File: BG032879.D
 Acq: 28 Feb 2018 7:09

Tgt Ion: 65 Resp: 176

Ion	Ratio	Lower	Upper
65	100		
92	0.0	54.6	82.0#
138	0.0	72.9	109.3#





#50

2,6-Dinitrotoluene

Concen: 16.369 ng

RT: 15.53 min Scan# 2084

Delta R.T. 0.44 min

Lab File: BG032879.D

Acq: 28 Feb 2018 7:09

Instrument :

BNA_G

ClientSampleId :

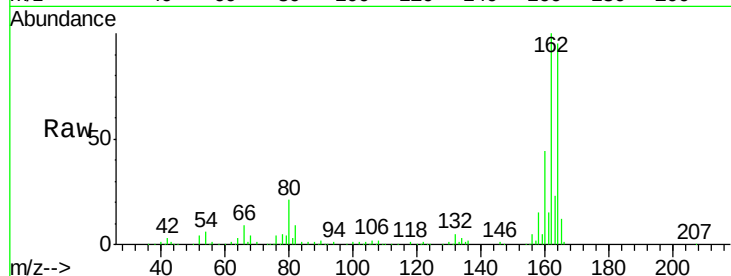
Tot Ion:165 Resp: 23312

Ion Ratio Lower Upper

165 100

63 2.4 52.7 79.1#

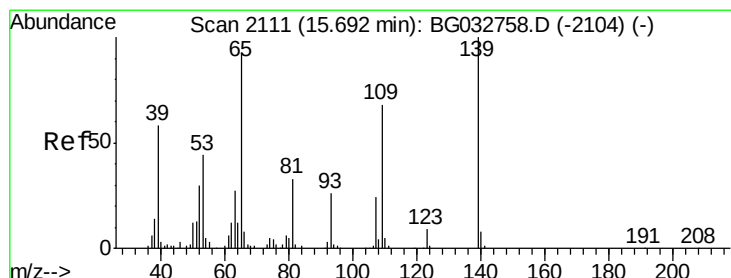
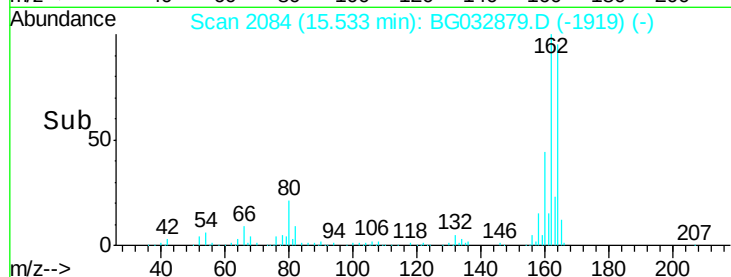
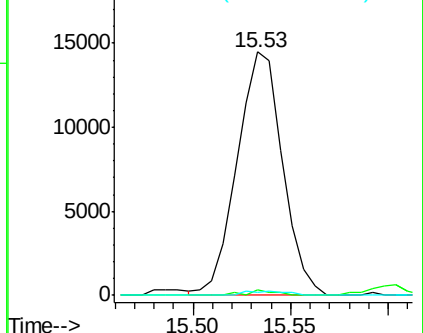
89 1.2 49.2 73.8#



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



#55

4-Nitrophenol

Concen: 7.724 ng

RT: 15.93 min Scan# 2152

Delta R.T. 0.24 min

Lab File: BG032879.D

Acq: 28 Feb 2018 7:09

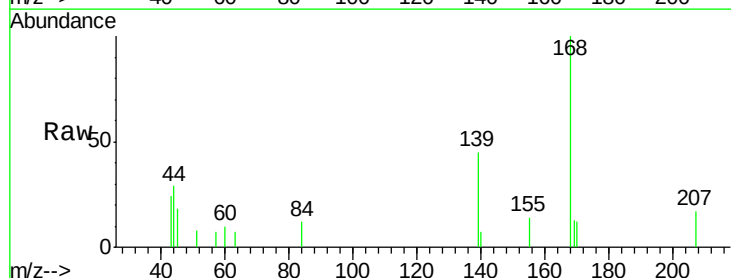
Tgt Ion:139 Resp: 1776

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

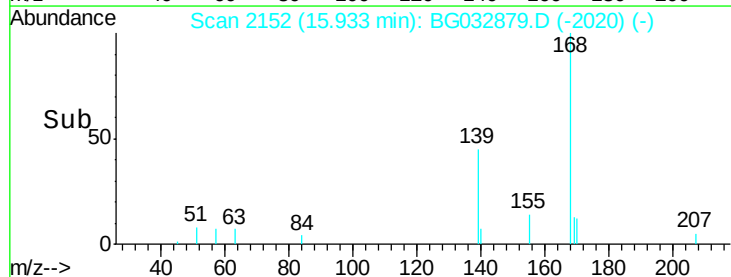
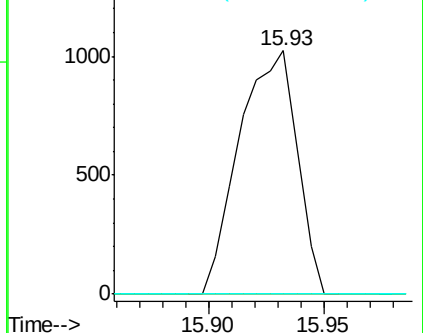
65 0.0 97.2 137.2#

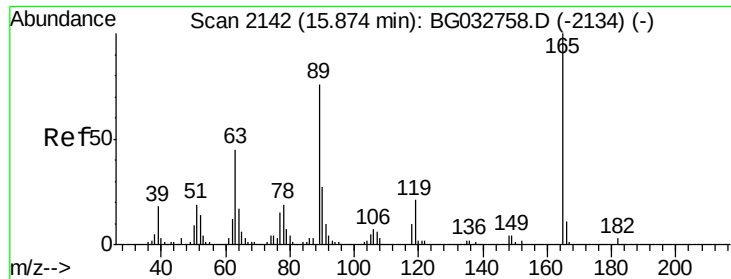


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

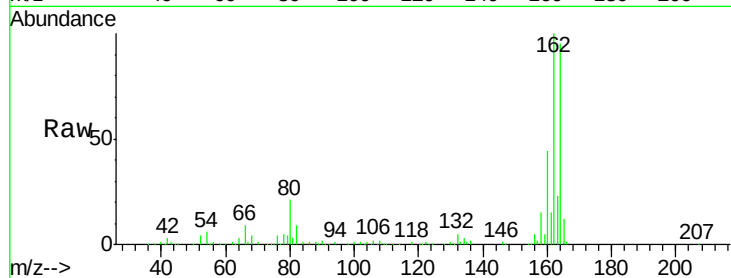




#56
 2,4-Dinitrotoluene
 Concen: 14.567 ng
 RT: 15.53 min Scan# 2084
 Delta R.T. -0.33 min
 Lab File: BG032879.D
 Acq: 28 Feb 2018 7:09

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	165	Resp:	23312
Ion	Ratio	Lower	Upper
165	100		
63	2.4	42.0	63.0#
89	1.2	66.9	100.3#
182	0.0	2.6	3.8#

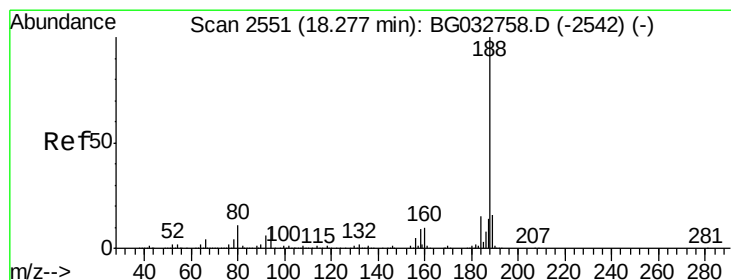
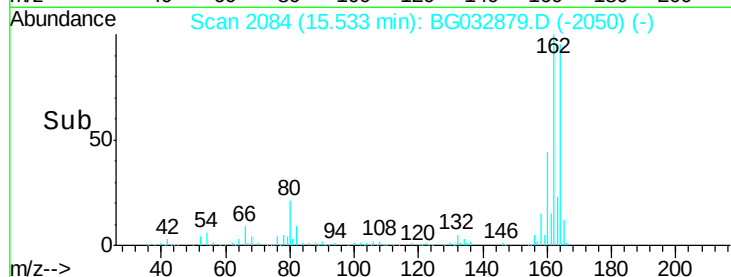
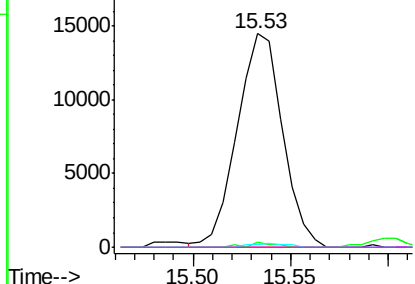


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

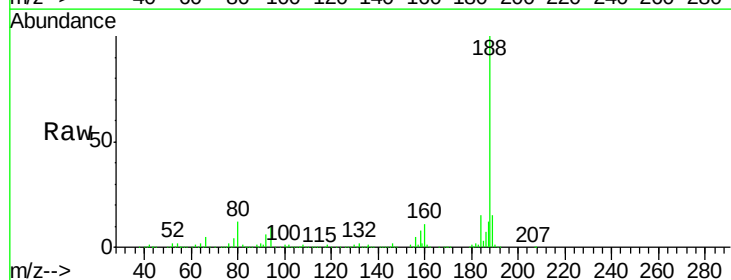
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.26 min Scan# 2548
 Delta R.T. -0.01 min
 Lab File: BG032879.D
 Acq: 28 Feb 2018 7:09

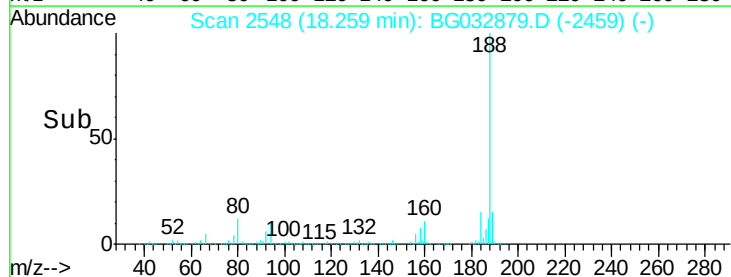
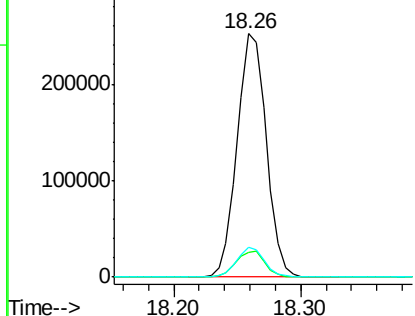
Tgt Ion:	188	Resp:	402097
Ion	Ratio	Lower	Upper
188	100		
94	10.0	6.9	10.3
80	12.4	7.7	11.5#

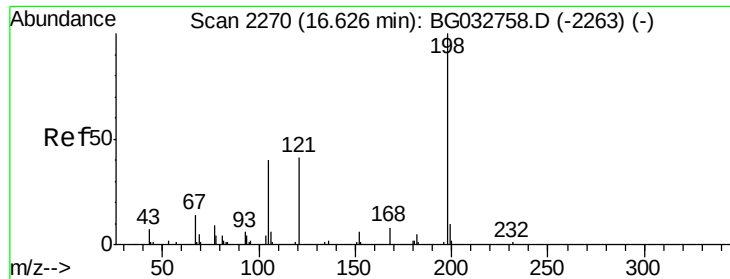


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#64

4,6-Dinitro-2-methylphenol

Concen: 6.016 ng

RT: 16.98 min Scan# 2331

Delta R.T. 0.36 min

Lab File: BG032879.D

Acq: 28 Feb 2018 7:09

Instrument :

BNA_G

ClientSampled :

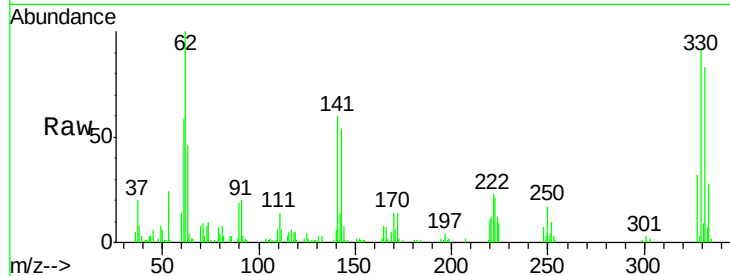
Tot Ion:198 Resp: 1012

Ion Ratio Lower Upper

198 100

51 52.4 30.6 70.6

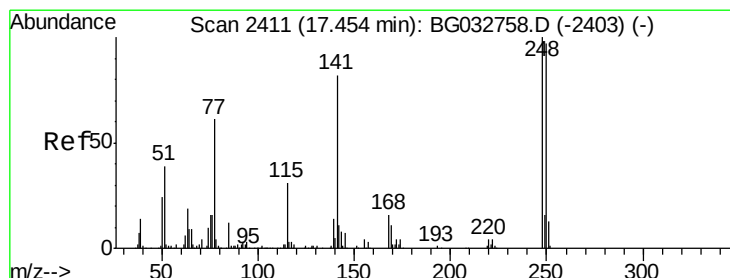
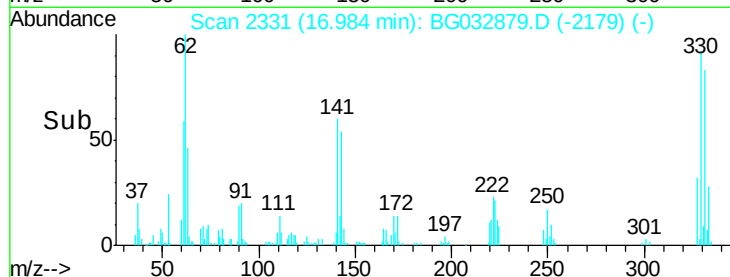
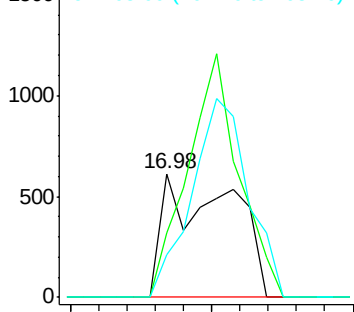
105 34.9 23.8 63.8



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.562 ng

RT: 17.00 min Scan# 2334

Delta R.T. -0.44 min

Lab File: BG032879.D

Acq: 28 Feb 2018 7:09

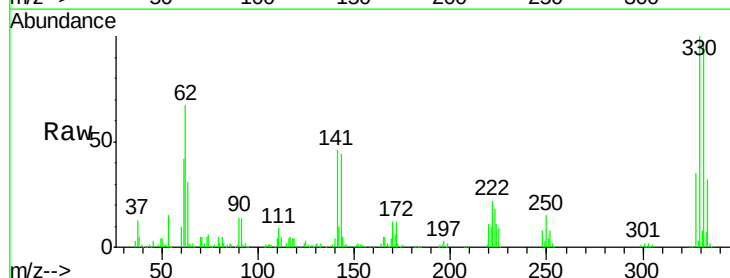
Tgt Ion:248 Resp: 19396

Ion Ratio Lower Upper

248 100

250 184.4 77.1 115.7#

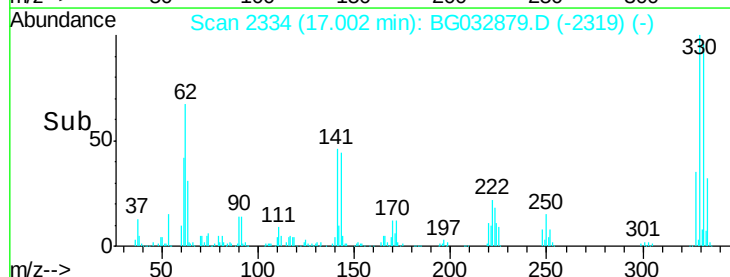
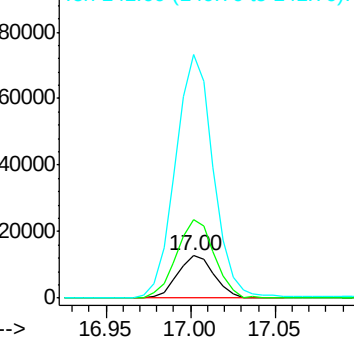
141 571.3 50.8 76.2#

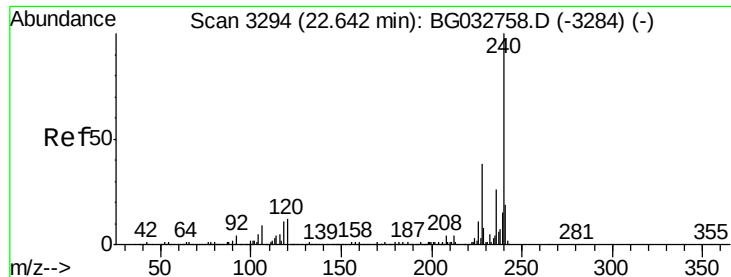


Abundance Ion 248.00 (247.70 to 248.70): E

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: 22.62 min Scan# 3290

Delta R.T. -0.01 min

Lab File: BG032879.D

Acq: 28 Feb 2018 7:09

Instrument :

BNA_G

ClientSampled :

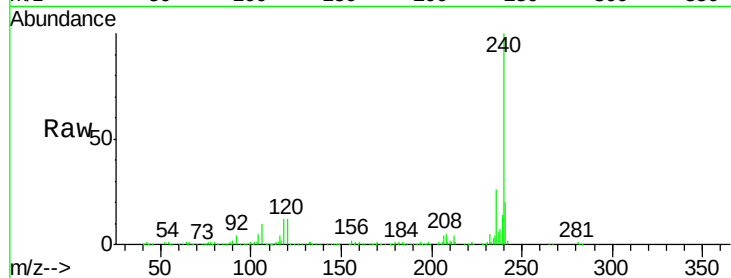
Tot Ion:240 Resp: 369717

Ion Ratio Lower Upper

240 100

120 12.0 6.8 10.2#

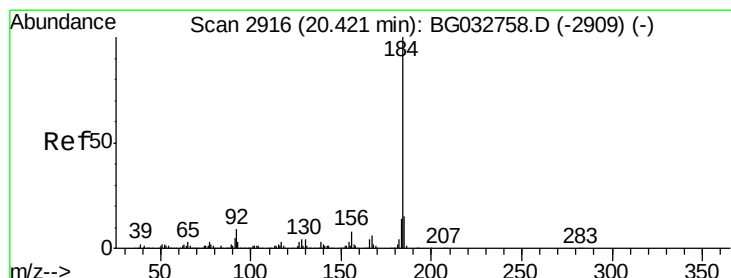
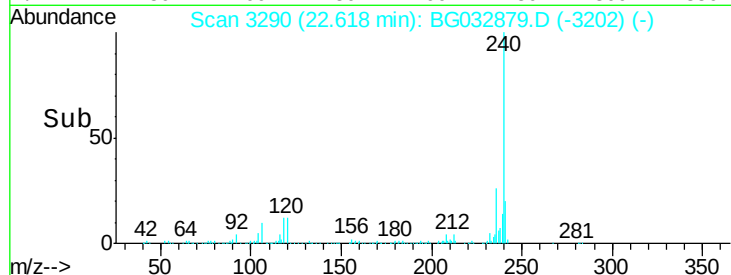
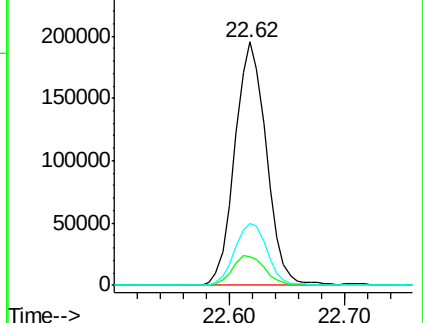
236 25.6 20.9 31.3



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: 2.281 ng

RT: 20.78 min Scan# 2977

Delta R.T. 0.36 min

Lab File: BG032879.D

Acq: 28 Feb 2018 7:09

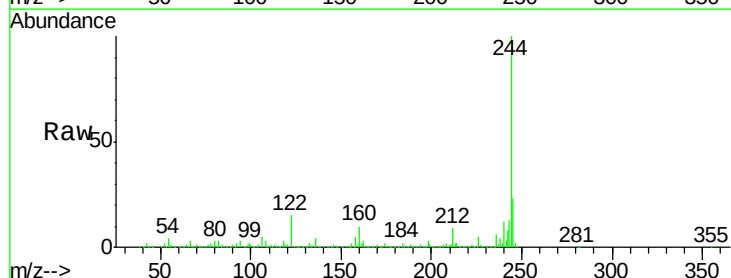
Tgt Ion:184 Resp: 28746

Ion Ratio Lower Upper

184 100

185 17.6 11.1 16.7#

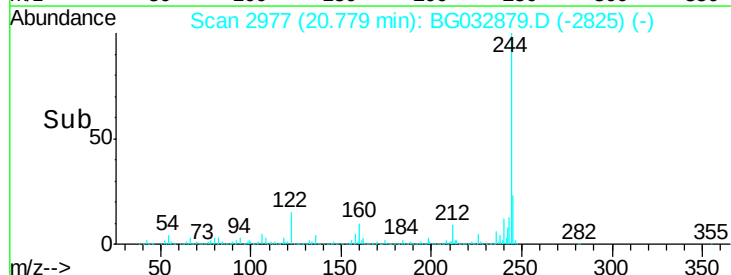
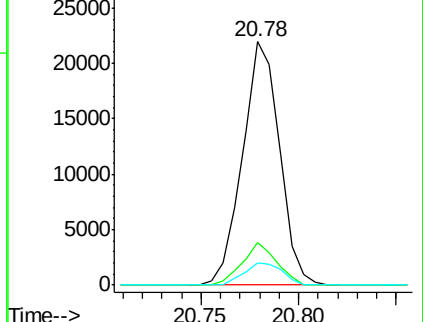
183 9.0 10.6 16.0#

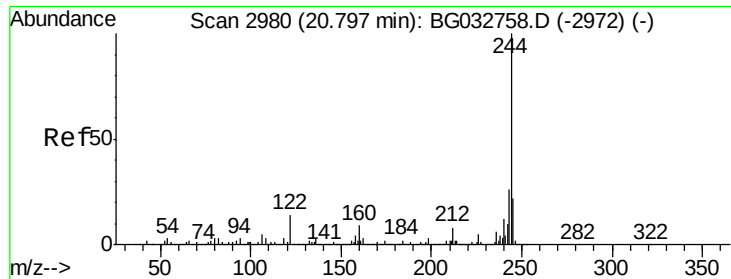


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 99.374 ng

RT: 20.78 min Scan# 2977

Delta R.T. -0.01 min

Lab File: BG032879.D

Acq: 28 Feb 2018 7:09

Instrument :

BNA_G

ClientSampleId :

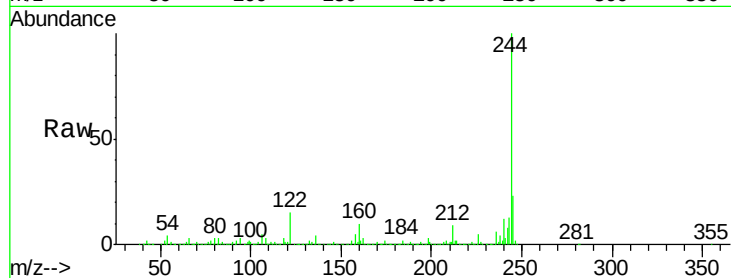
Tot Ion:244 Resp: 1635283

Ion Ratio Lower Upper

244 100

212 8.7 5.8 8.8

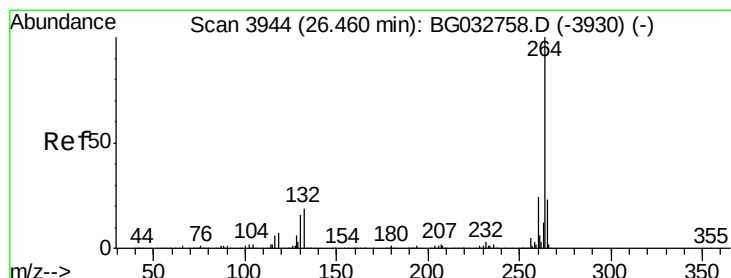
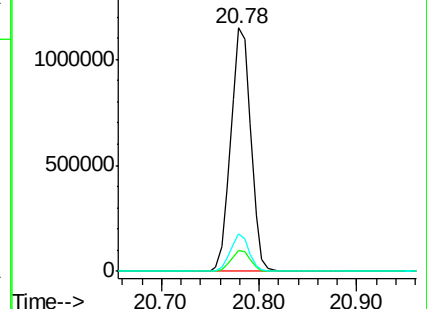
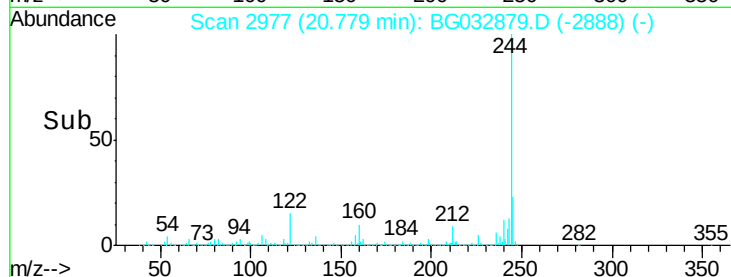
122 15.4 7.0 10.4#



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: 26.42 min Scan# 3938

Delta R.T. -0.01 min

Lab File: BG032879.D

Acq: 28 Feb 2018 7:09

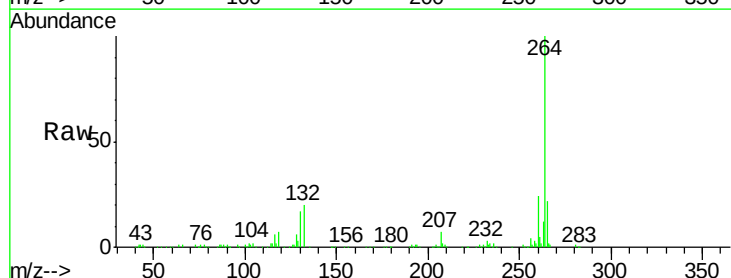
Tgt Ion:264 Resp: 372346

Ion Ratio Lower Upper

264 100

260 23.8 17.4 26.0

265 21.7 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

