

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030218\
 Data File : BG032975.D
 Acq On : 3 Mar 2018 10:29
 Operator : SJ/JU
 Sample : J1751-18
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 05 01:36:36 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 01 17:38:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	58207	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	250457	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	141345	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	332469	20.00	ng	0.00
75) Chrysene-d12	22.61	240	317700	20.00	ng	0.00
86) Perylene-d12	26.42	264	303910	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.33	112	527931	145.11	ng	0.00
7) Phenol-d6	8.01	99	647047	127.59	ng	0.00
23) Nitrobenzene-d5	10.11	82	451594	120.45	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	224446	151.02	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	976476	99.64	ng	0.00
78) Terphenyl-d14	20.77	244	1504038	106.36	ng	0.00

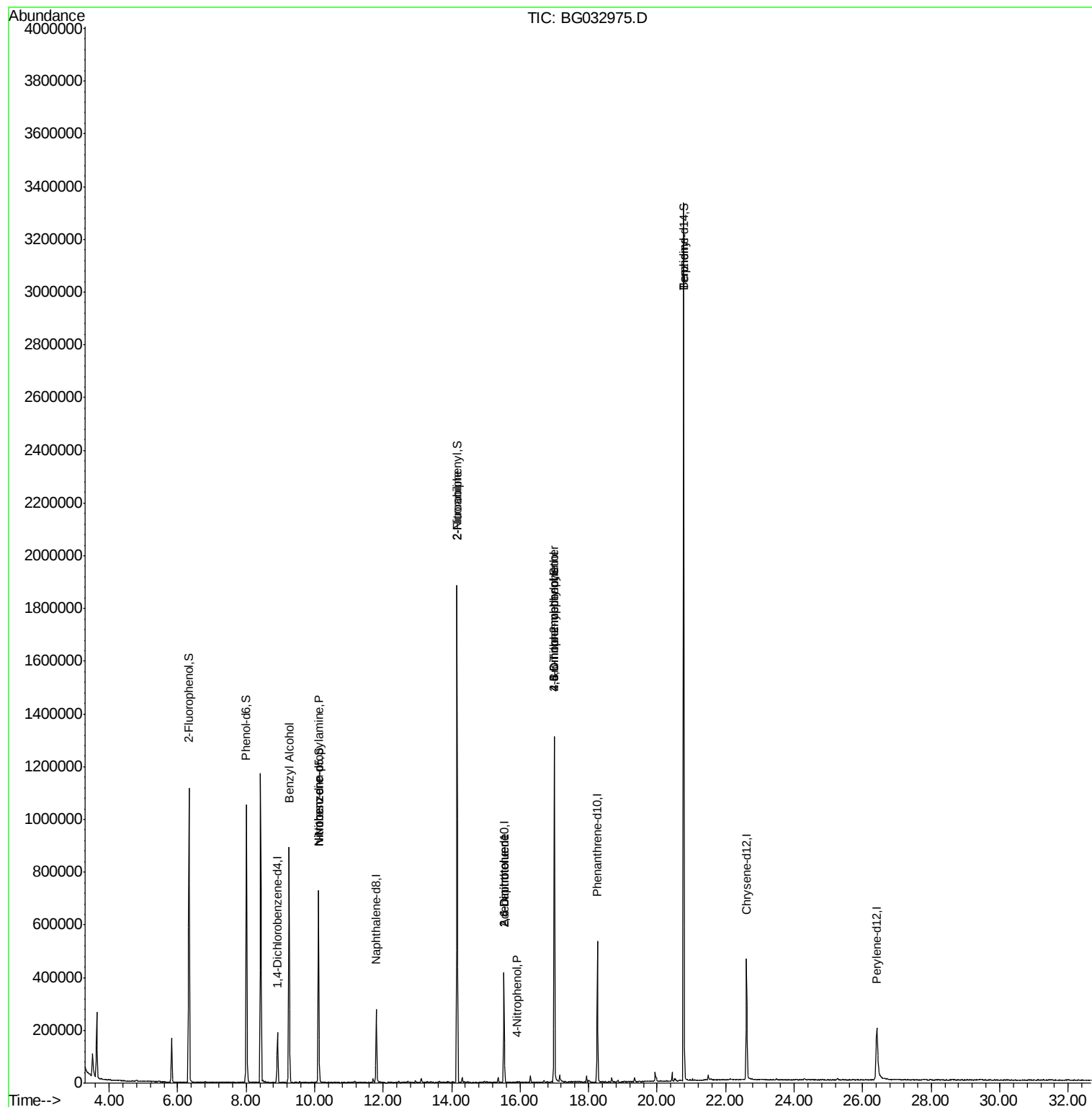
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	9.25	79	7516	2.016	ng	# 38
19) n-Nitroso-di-n-propylamine	10.11	70	58463	16.330	ng	# 84
24) Nitrobenzene	10.12	77	1483	6.702	ng	# 49
47) 2-Nitroaniline	14.16	65	2098	10.553	ng	# 8
50) 2,6-Dinitrotoluene	15.53	165	18480	16.477	ng	# 20
55) 4-Nitrophenol	15.92	139	140	7.145	ng	# 1
56) 2,4-Dinitrotoluene	15.53	165	18480	14.675	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.99	198	713	5.859	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	16699	4.750	ng	# 1
76) Benzidine	20.78	184	27135	2.506	ng	# 91

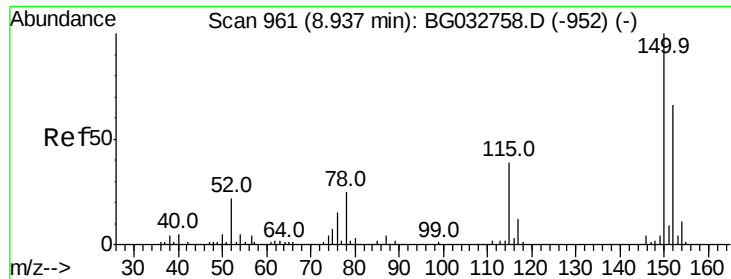
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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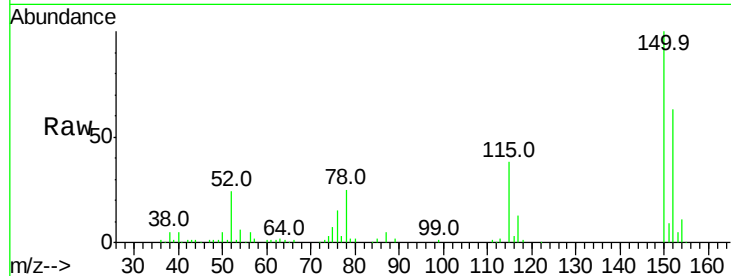


#1

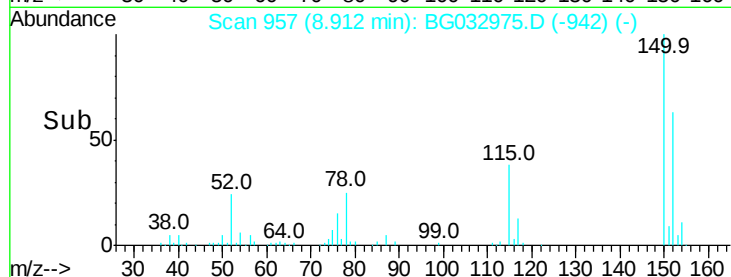
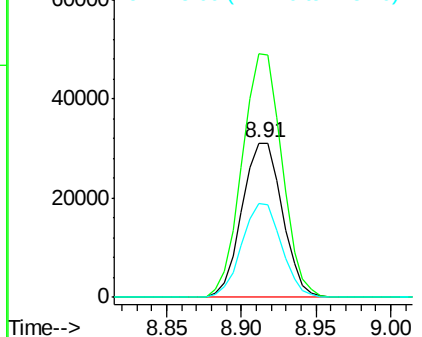
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.01 min
Lab File: BG032975.D
Acq: 3 Mar 2018 10:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 58207
Ion Ratio Lower Upper
152 100
150 157.6 126.6 189.8
115 60.6 53.0 79.4



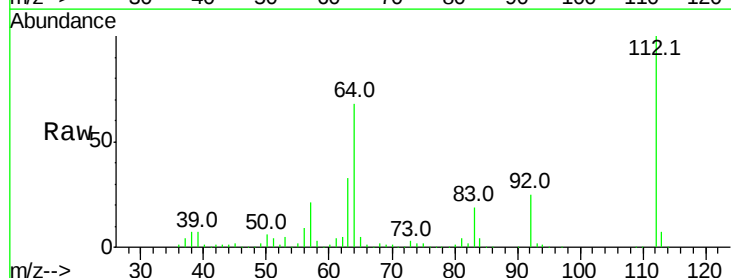
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



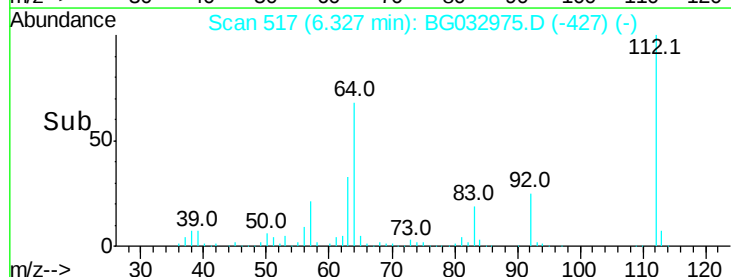
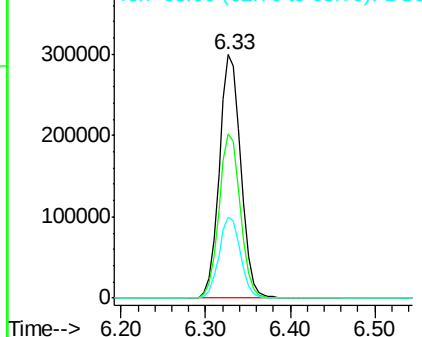
#5

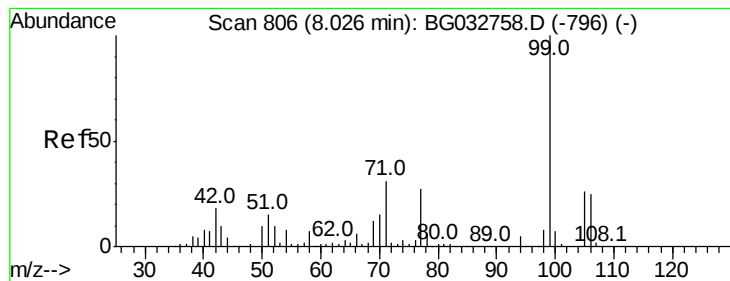
2-Fluorophenol
Concen: 145.105 ng
RT: 6.33 min Scan# 517
Delta R.T. -0.00 min
Lab File: BG032975.D
Acq: 3 Mar 2018 10:29

Tgt Ion:112 Resp: 527931
Ion Ratio Lower Upper
112 100
64 67.5 56.3 84.5
63 33.5 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: 127.591 ng

RT: 8.01 min Scan# 803

Delta R.T. -0.01 min

Lab File: BG032975.D

Acq: 3 Mar 2018 10:29

Instrument :

BNA_G

ClientSampleId :

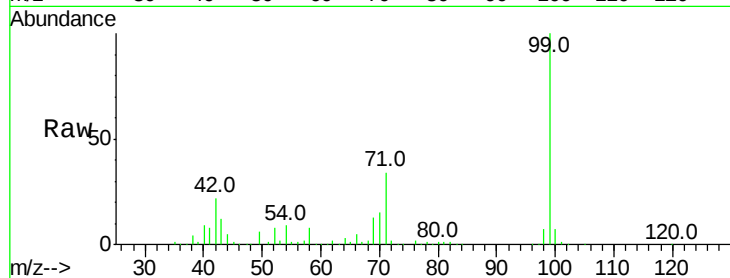
Tot Ion: 99 Resp: 647047

Ion Ratio Lower Upper

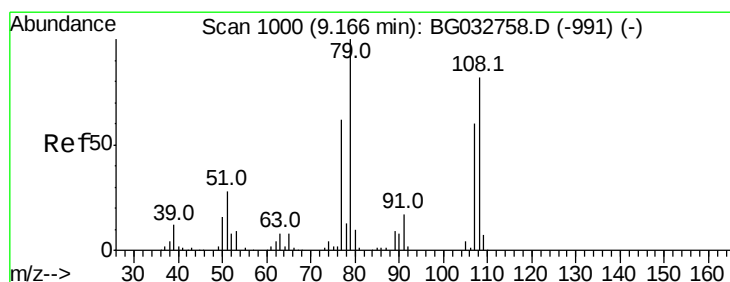
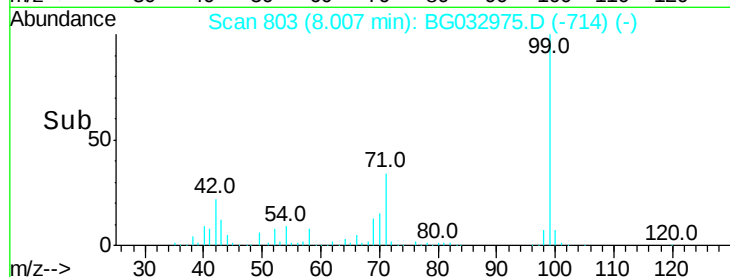
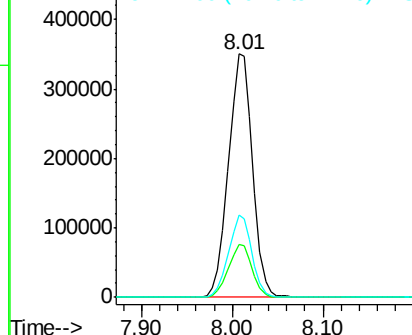
99 100

42 21.8 14.1 21.1#

71 33.8 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: 2.016 ng

RT: 9.25 min Scan# 1015

Delta R.T. 0.10 min

Lab File: BG032975.D

Acq: 3 Mar 2018 10:29

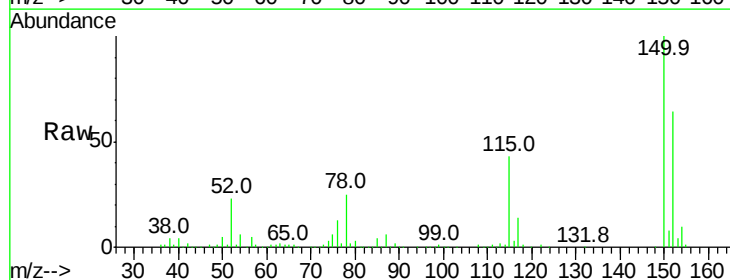
Tgt Ion: 79 Resp: 7516

Ion Ratio Lower Upper

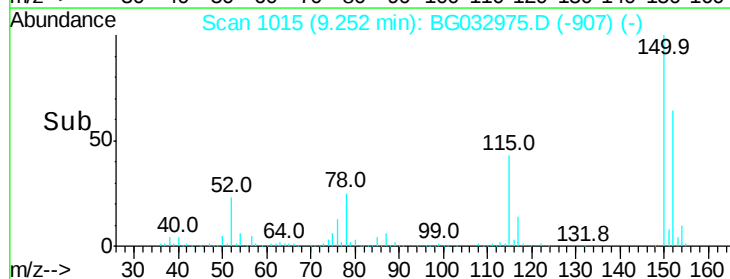
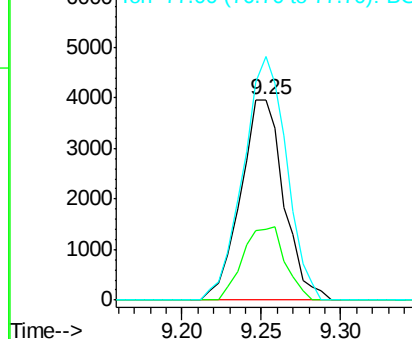
79 100

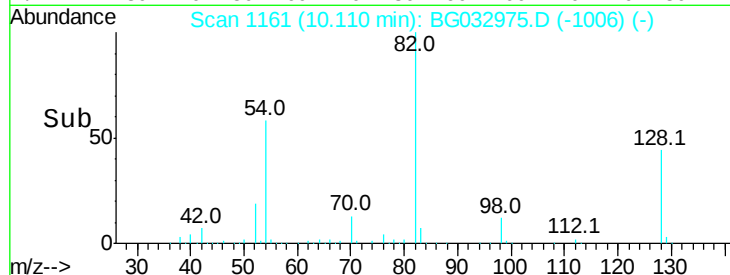
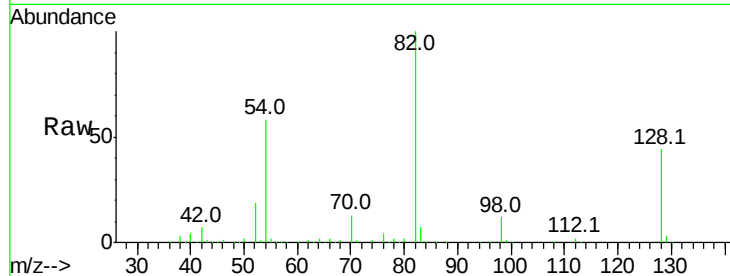
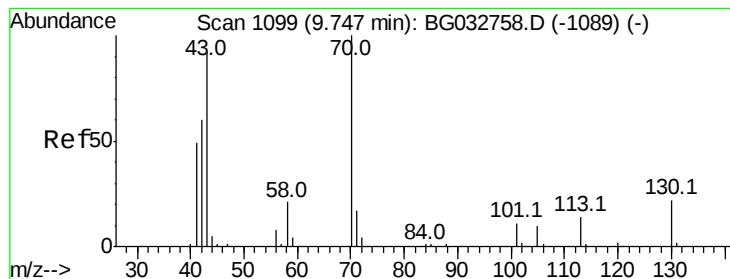
108 35.5 57.2 85.8#

77 121.3 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: 16.330 ng

RT: 10.11 min Scan# 1161

Delta R.T. 0.38 min

Lab File: BG032975.D

Acq: 3 Mar 2018 10:29

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 58463

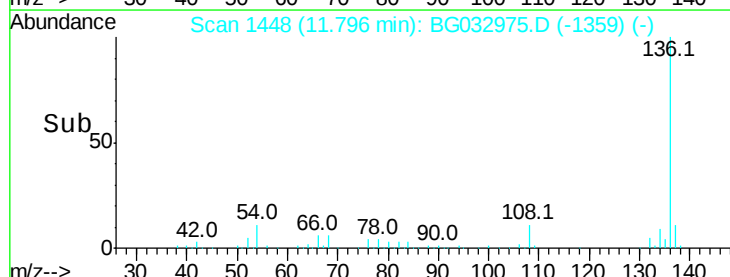
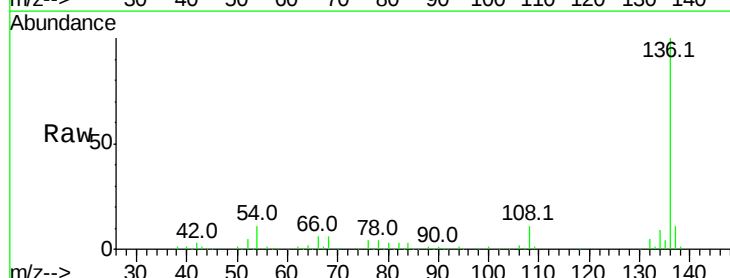
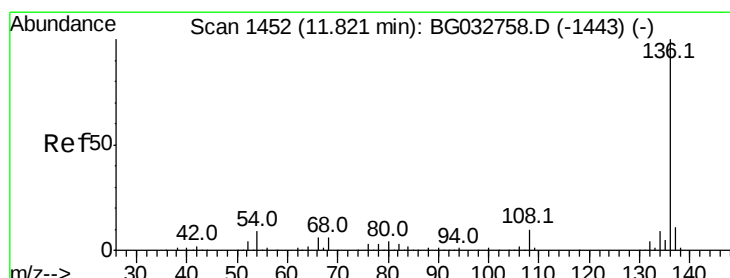
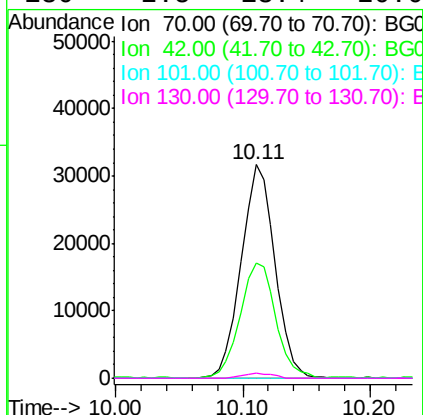
Ion Ratio Lower Upper

70 100

42 54.2 49.1 73.7

101 0.0 8.5 12.7#

130 2.5 13.4 20.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.80 min Scan# 1448

Delta R.T. -0.01 min

Lab File: BG032975.D

Acq: 3 Mar 2018 10:29

Tgt Ion:136 Resp: 250457

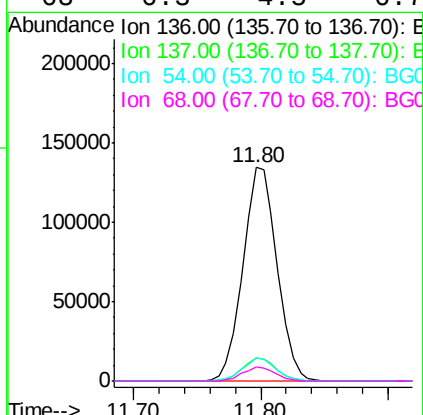
Ion Ratio Lower Upper

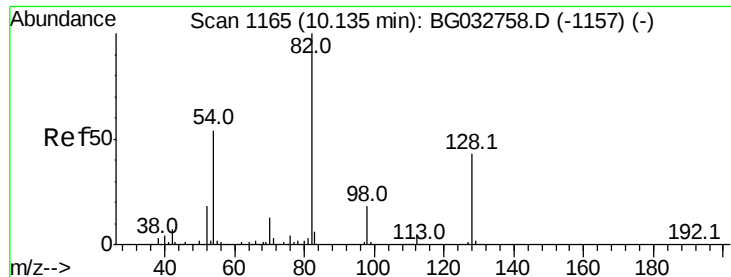
136 100

137 10.6 9.2 13.8

54 10.7 10.3 15.5

68 6.3 4.5 6.7





#23

Nitrobenzene-d5

Concen: 120.446 ng

RT: 10.11 min Scan# 1161

Delta R.T. -0.01 min

Lab File: BG032975.D

Acq: 3 Mar 2018 10:29

Instrument :

BNA_G

ClientSampleId :

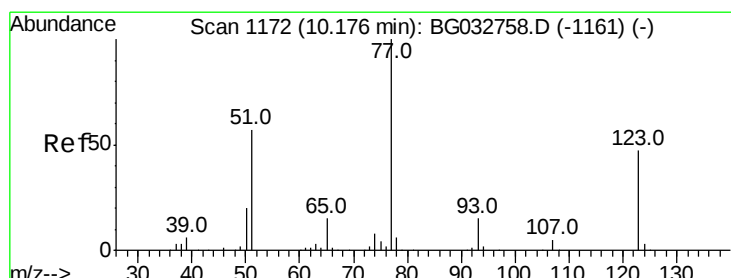
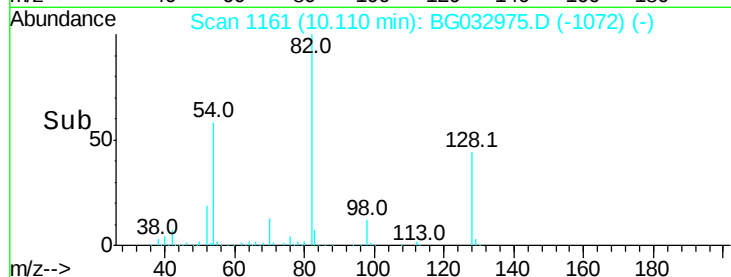
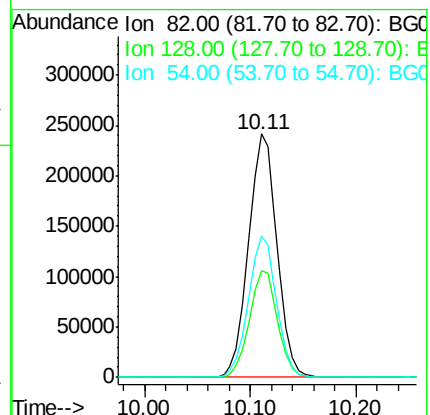
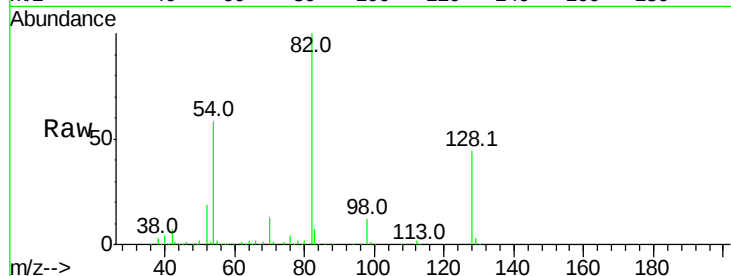
Tot Ion: 82 Resp: 451594

Ion Ratio Lower Upper

82 100

128 43.7 29.7 44.5

54 58.1 43.1 64.7



#24

Nitrobenzene

Concen: 6.702 ng

RT: 10.12 min Scan# 1162

Delta R.T. -0.05 min

Lab File: BG032975.D

Acq: 3 Mar 2018 10:29

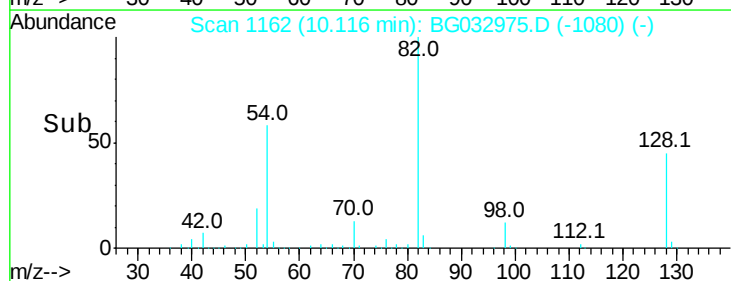
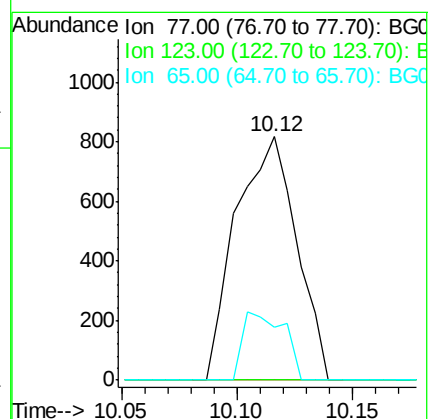
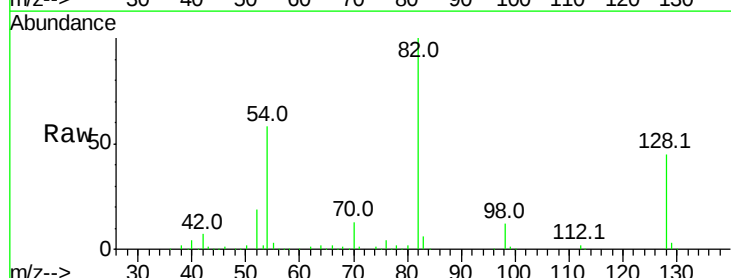
Tgt Ion: 77 Resp: 1483

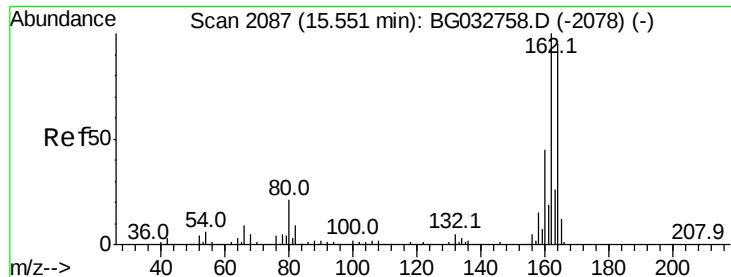
Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

65 21.9 13.0 19.6#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.53 min Scan# 2083

Delta R.T. -0.01 min

Lab File: BG032975.D

Acq: 3 Mar 2018 10:29

Instrument :

BNA_G

ClientSampleId :

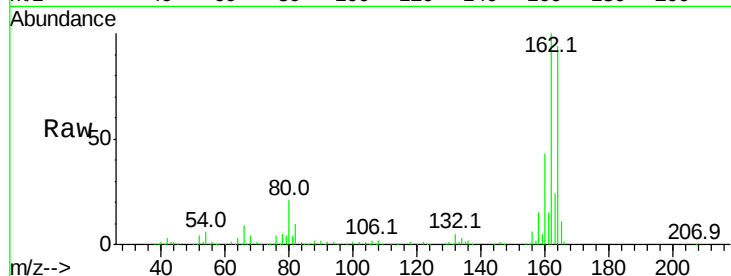
Tot Ion:164 Resp: 141345

Ion Ratio Lower Upper

164 100

162 106.0 78.8 118.2

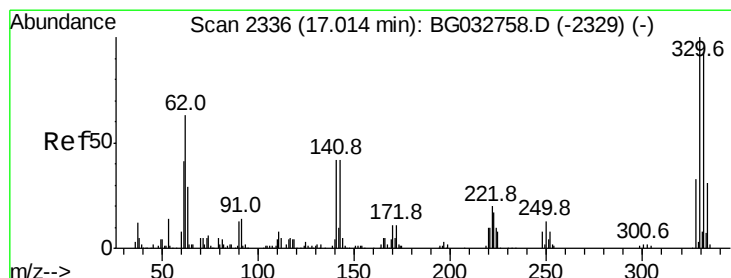
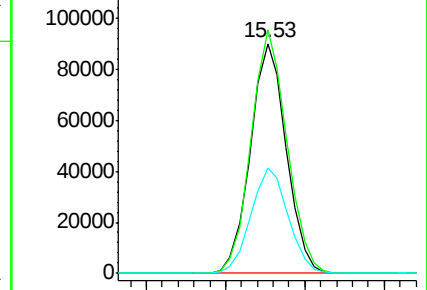
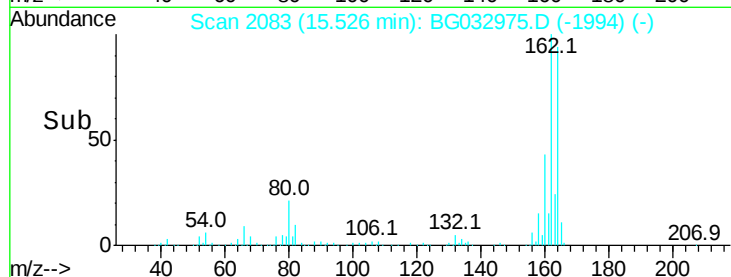
160 45.7 35.4 53.0



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: 151.021 ng

RT: 17.00 min Scan# 2334

Delta R.T. -0.00 min

Lab File: BG032975.D

Acq: 3 Mar 2018 10:29

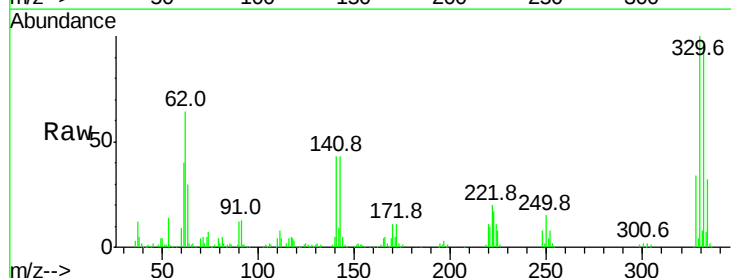
Tgt Ion:330 Resp: 224446

Ion Ratio Lower Upper

330 100

332 96.3 77.0 115.6

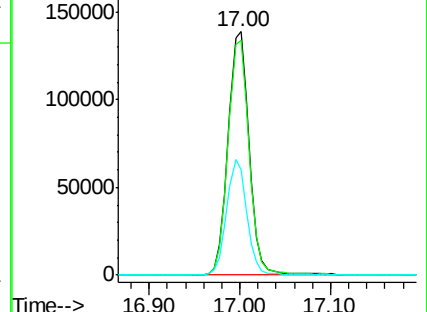
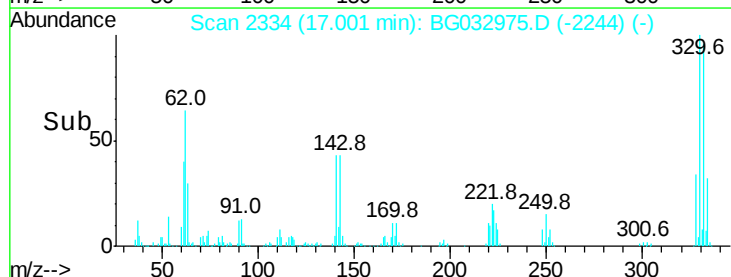
141 45.6 25.2 37.8#

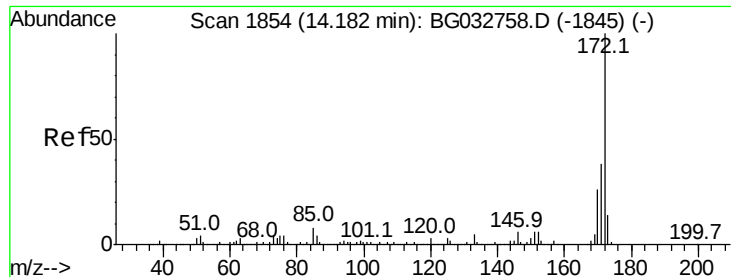


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

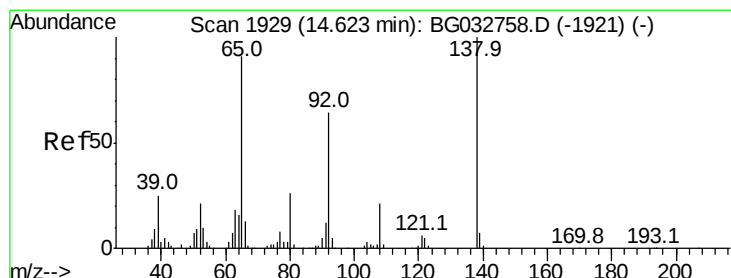
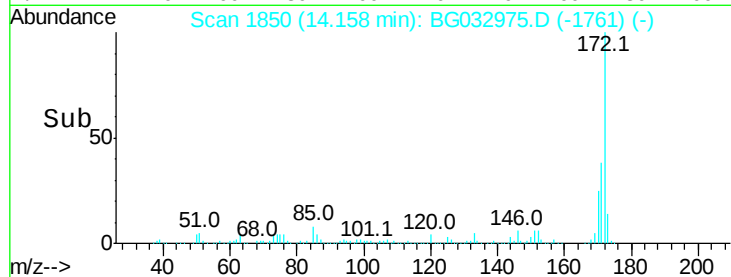
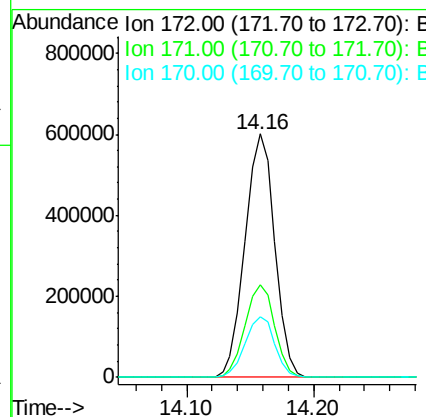
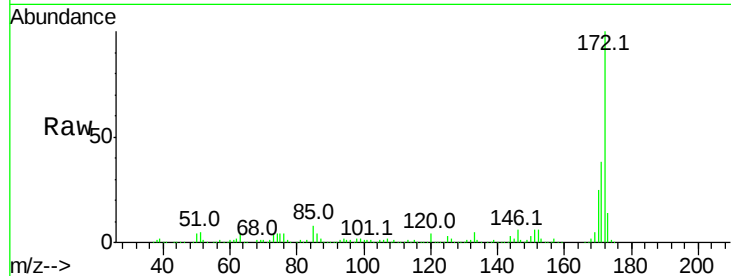




#44
 2-Fluorobiphenyl
 Concen: 99.637 ng
 RT: 14.16 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BG032975.D
 Acq: 3 Mar 2018 10:29

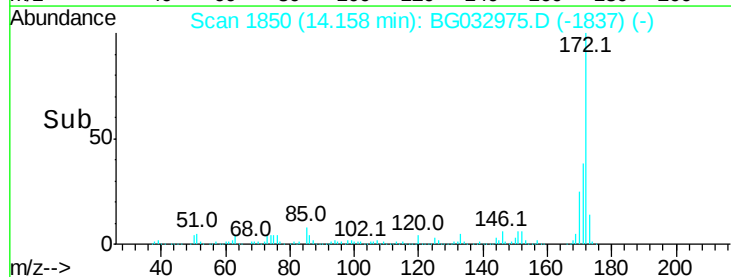
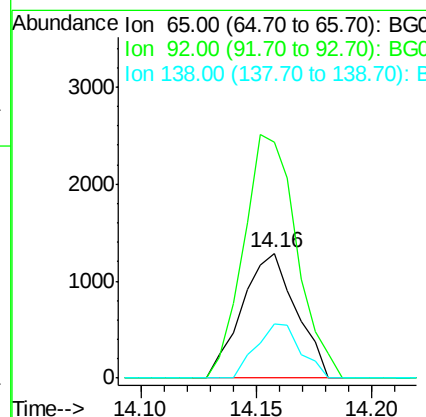
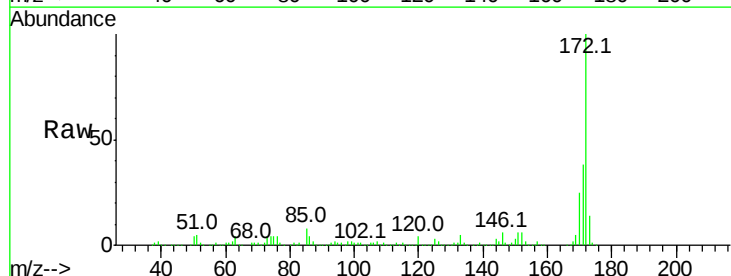
Instrument :
 BNA_G
 ClientSampleId :

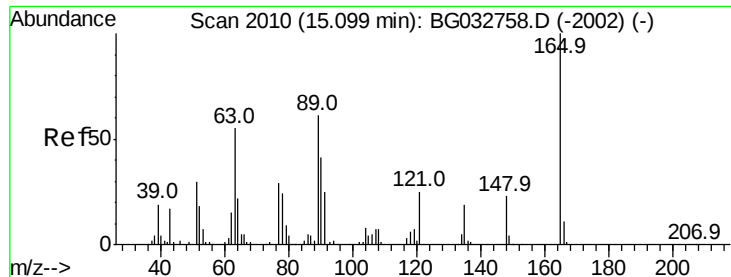
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.1	30.0	45.0
170	24.9	19.5	29.3



#47
 2-Nitroaniline
 Concen: 10.553 ng
 RT: 14.16 min Scan# 1850
 Delta R.T. -0.46 min
 Lab File: BG032975.D
 Acq: 3 Mar 2018 10:29

Tgt Ion	Ratio	Lower	Upper
65	100		
92	188.5	54.6	82.0#
138	43.7	72.9	109.3#

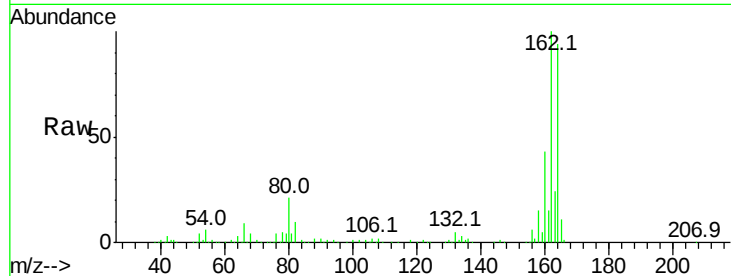




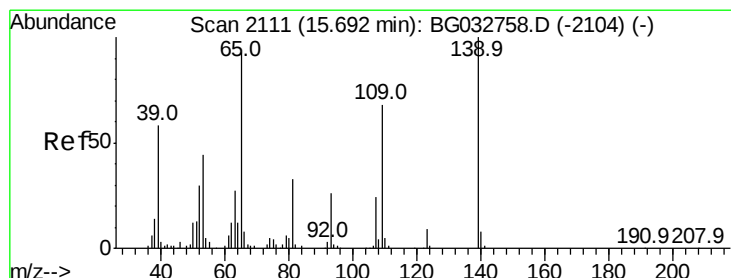
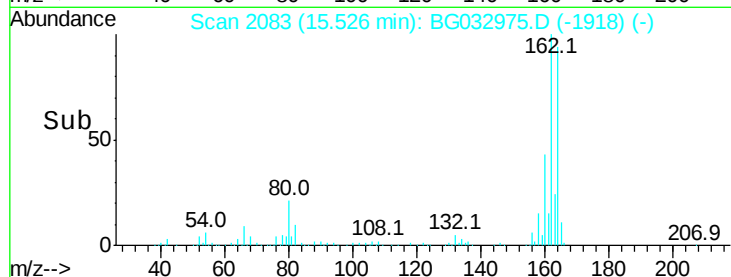
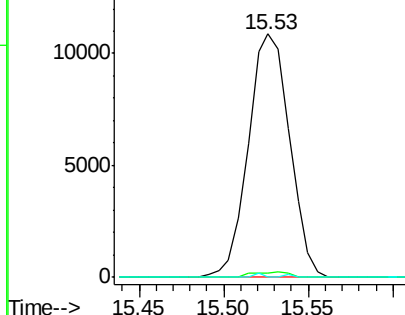
#50
2,6-Dinitrotoluene
Concen: 16.477 ng
RT: 15.53 min Scan# 2083
Delta R.T. 0.44 min
Lab File: BG032975.D
Acq: 3 Mar 2018 10:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 18480
Ion Ratio Lower Upper
165 100
63 1.8 52.7 79.1#
89 0.0 49.2 73.8#

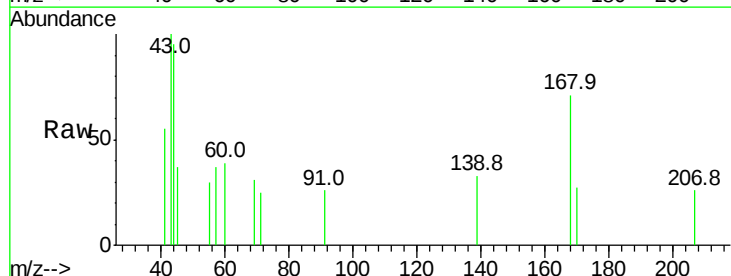


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

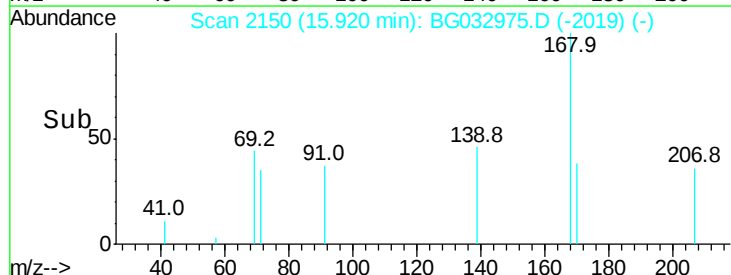
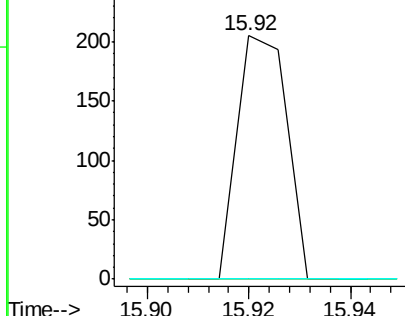


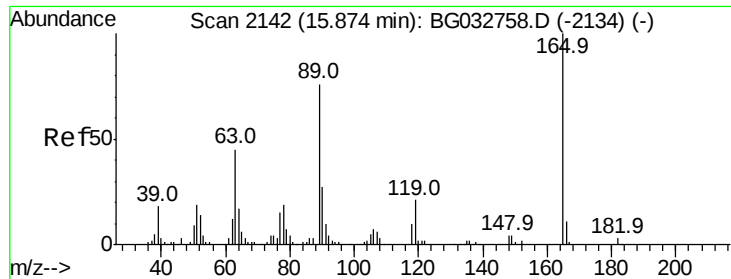
#55
4-Nitrophenol
Concen: 7.145 ng
RT: 15.92 min Scan# 2150
Delta R.T. 0.24 min
Lab File: BG032975.D
Acq: 3 Mar 2018 10:29

Tgt Ion:139 Resp: 140
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

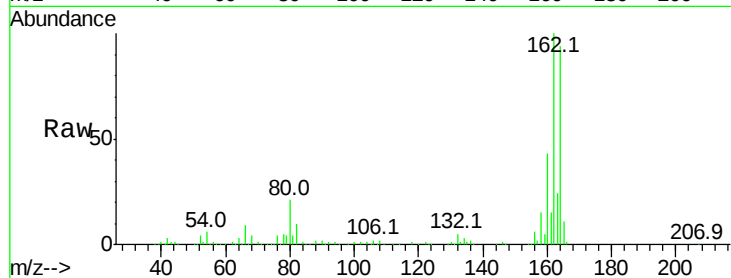




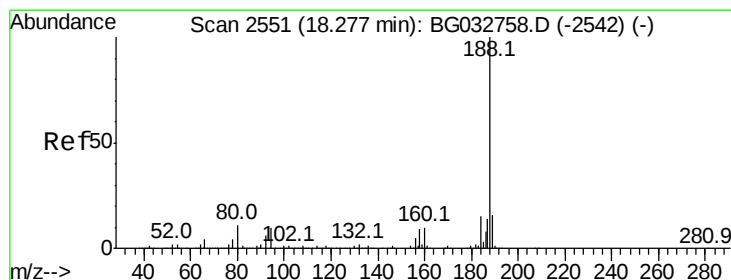
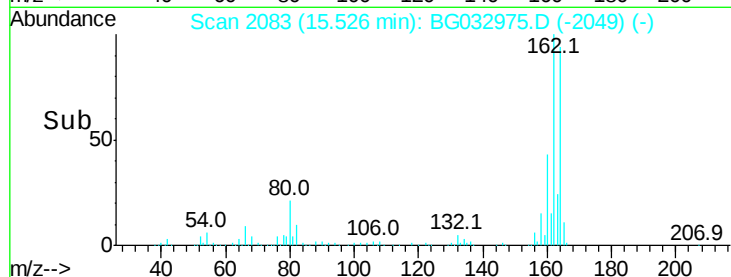
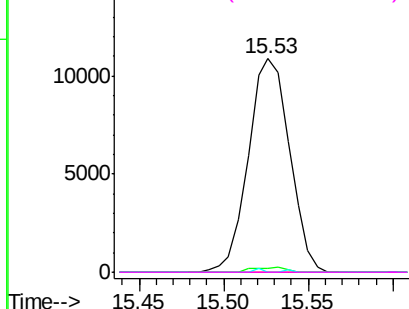
#56
 2,4-Dinitrotoluene
 Concen: 14.675 ng
 RT: 15.53 min Scan# 2083
 Delta R.T. -0.33 min
 Lab File: BG032975.D
 Acq: 3 Mar 2018 10:29

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 18480
 Ion Ratio Lower Upper
 165 100
 63 1.8 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#

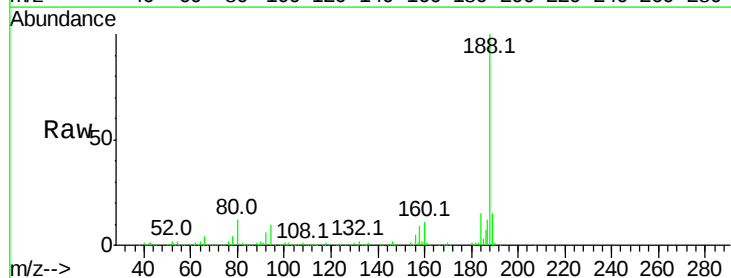


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

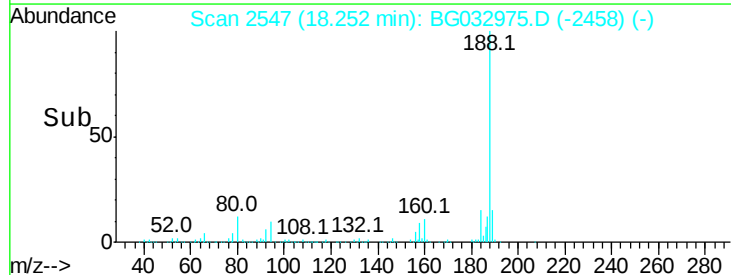
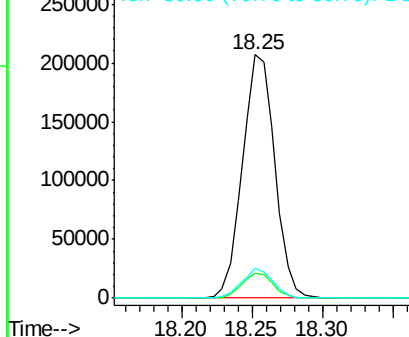


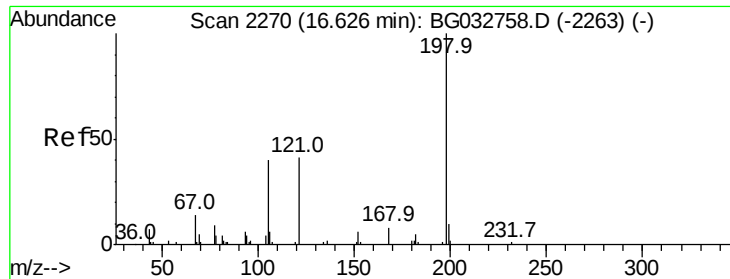
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.25 min Scan# 2547
 Delta R.T. -0.01 min
 Lab File: BG032975.D
 Acq: 3 Mar 2018 10:29

Tgt Ion:188 Resp: 332469
 Ion Ratio Lower Upper
 188 100
 94 10.2 6.9 10.3
 80 12.1 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

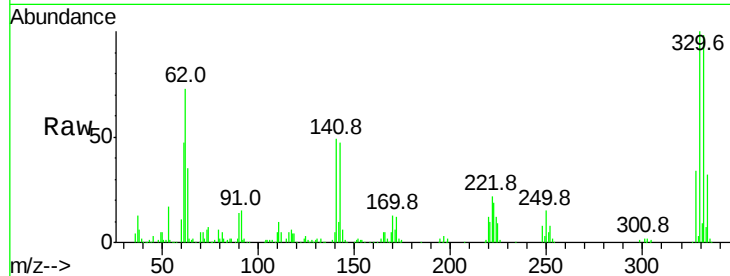




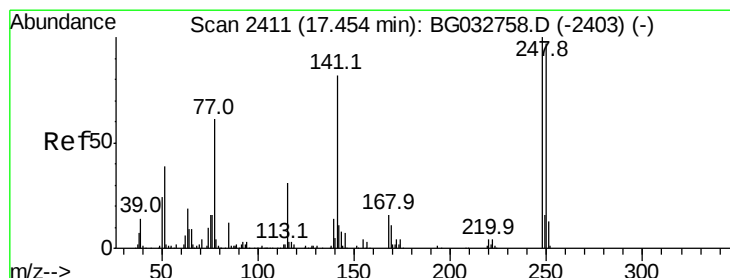
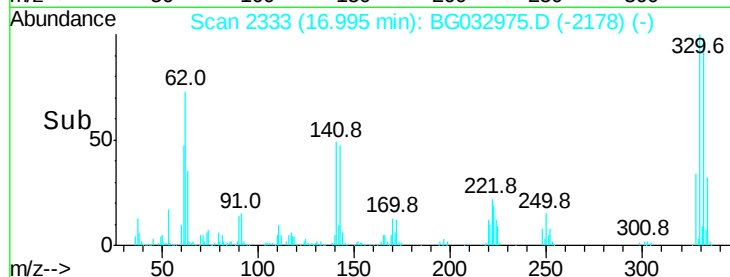
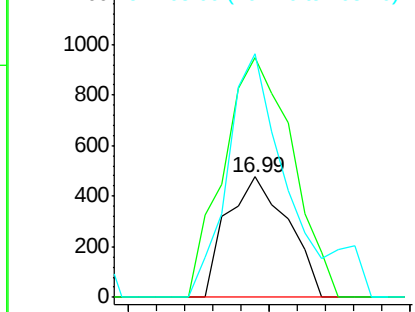
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.859 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. 0.38 min
 Lab File: BG032975.D
 Acq: 3 Mar 2018 10:29

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 713
 Ion Ratio Lower Upper
 198 100
 51 199.0 30.6 70.6#
 105 201.9 23.8 63.8#

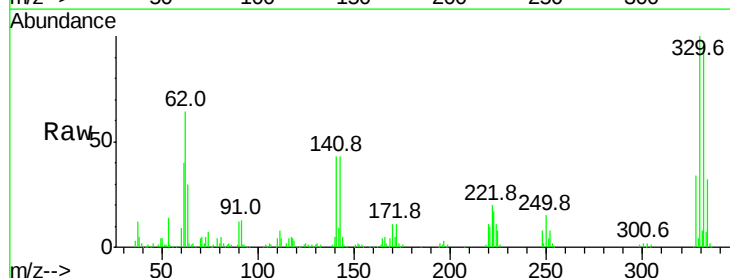


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

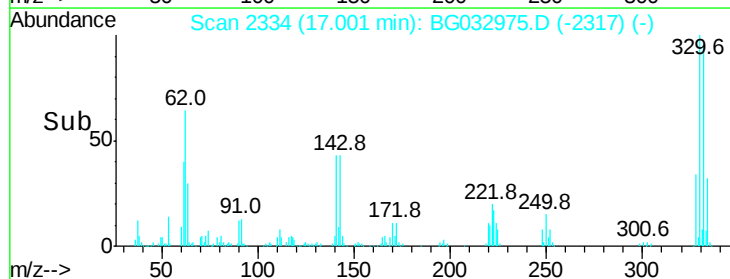
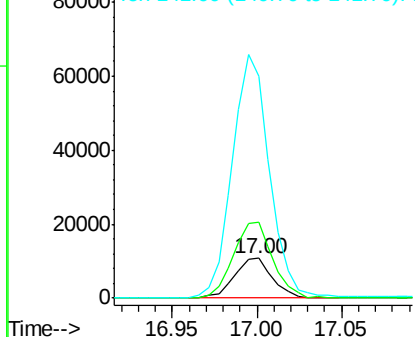


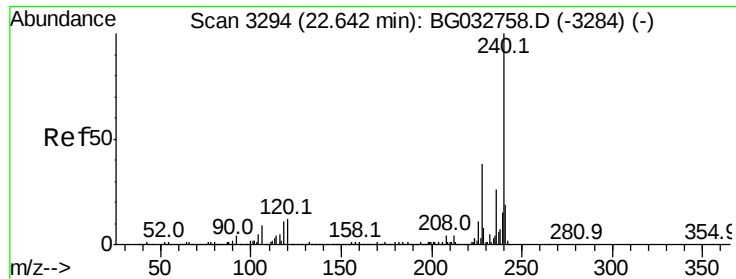
#66
 4-Bromophenyl-phenylether
 Concen: 4.750 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. -0.43 min
 Lab File: BG032975.D
 Acq: 3 Mar 2018 10:29

Tgt Ion:248 Resp: 16699
 Ion Ratio Lower Upper
 248 100
 250 190.9 77.1 115.7#
 141 559.1 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: 22.61 min Scan# 3289

Delta R.T. -0.01 min

Lab File: BG032975.D

Acq: 3 Mar 2018 10:29

Instrument :

BNA_G

ClientSampleId :

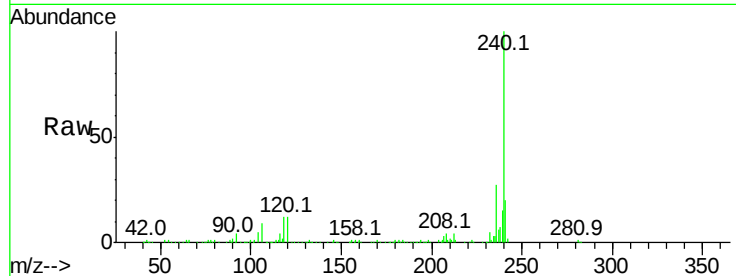
Tot Ion:240 Resp: 317700

Ion Ratio Lower Upper

240 100

120 12.4 6.8 10.2#

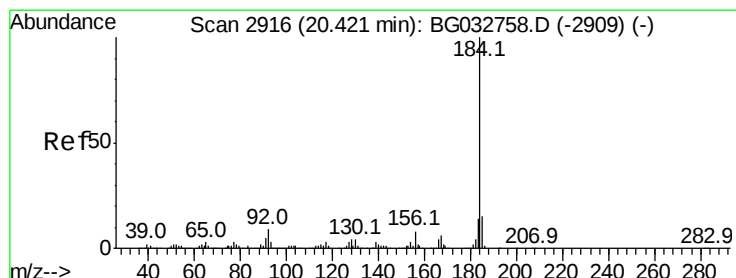
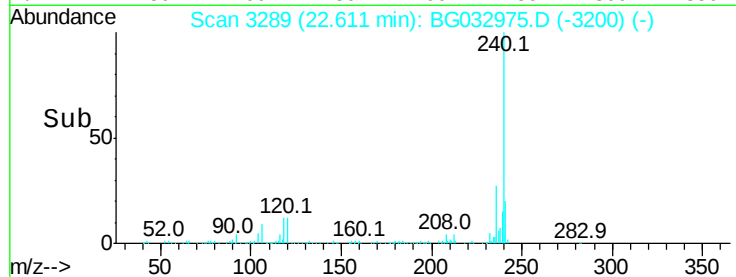
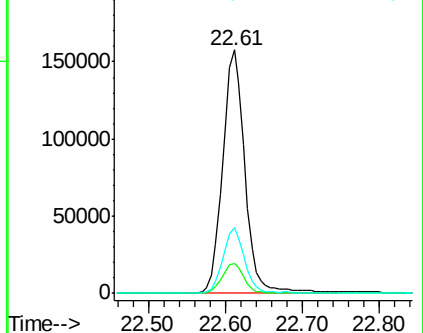
236 26.9 20.9 31.3



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: 2.506 ng

RT: 20.78 min Scan# 2977

Delta R.T. 0.37 min

Lab File: BG032975.D

Acq: 3 Mar 2018 10:29

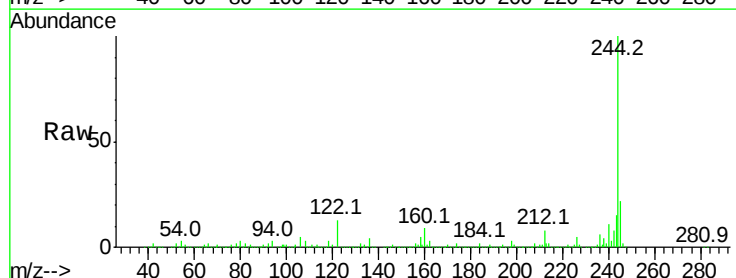
Tgt Ion:184 Resp: 27135

Ion Ratio Lower Upper

184 100

185 15.8 11.1 16.7

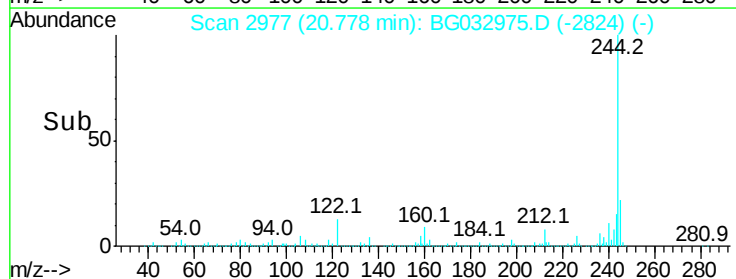
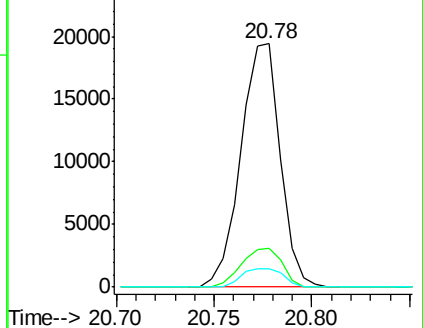
183 7.5 10.6 16.0#

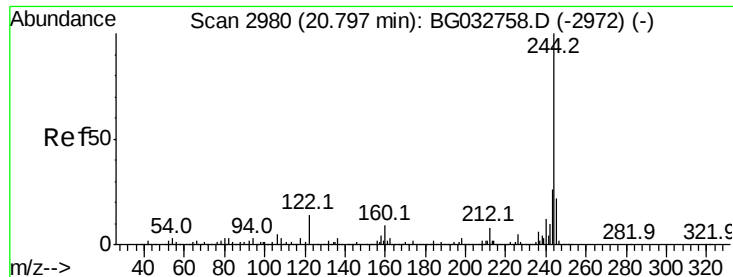


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 106.363 ng

RT: 20.77 min Scan# 2976

Delta R.T. -0.00 min

Lab File: BG032975.D

Acq: 3 Mar 2018 10:29

Instrument :

BNA_G

ClientSampled :

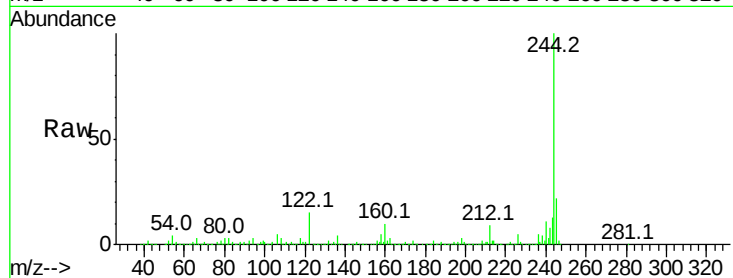
Tot Ion:244 Resp: 1504038

Ion Ratio Lower Upper

244 100

212 8.7 5.8 8.8

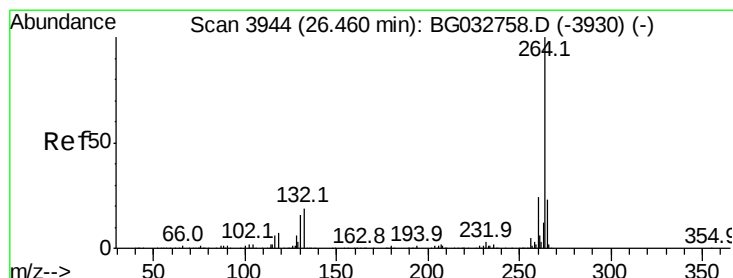
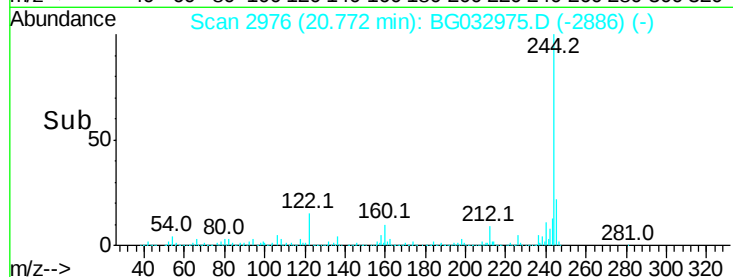
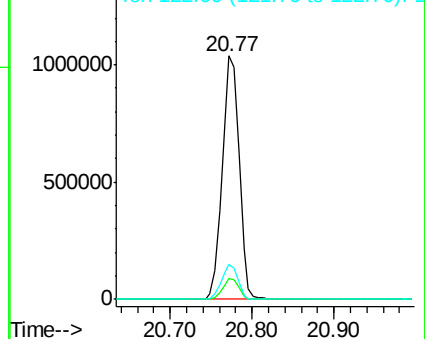
122 14.5 7.0 10.4#



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# 3937

Delta R.T. -0.01 min

Lab File: BG032975.D

Acq: 3 Mar 2018 10:29

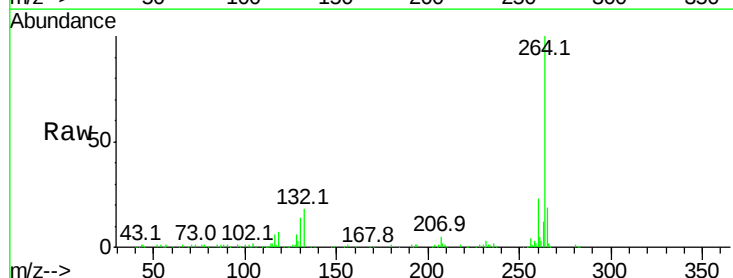
Tgt Ion:264 Resp: 303910

Ion Ratio Lower Upper

264 100

260 22.9 17.4 26.0

265 18.8 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

