

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032718\
 Data File : BG033375.D
 Acq On : 27 Mar 2018 23:20
 Operator : SJ/JU
 Sample : J2061-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 28 07:58:03 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 15:11:46 2018
 Response via : Initial Calibration

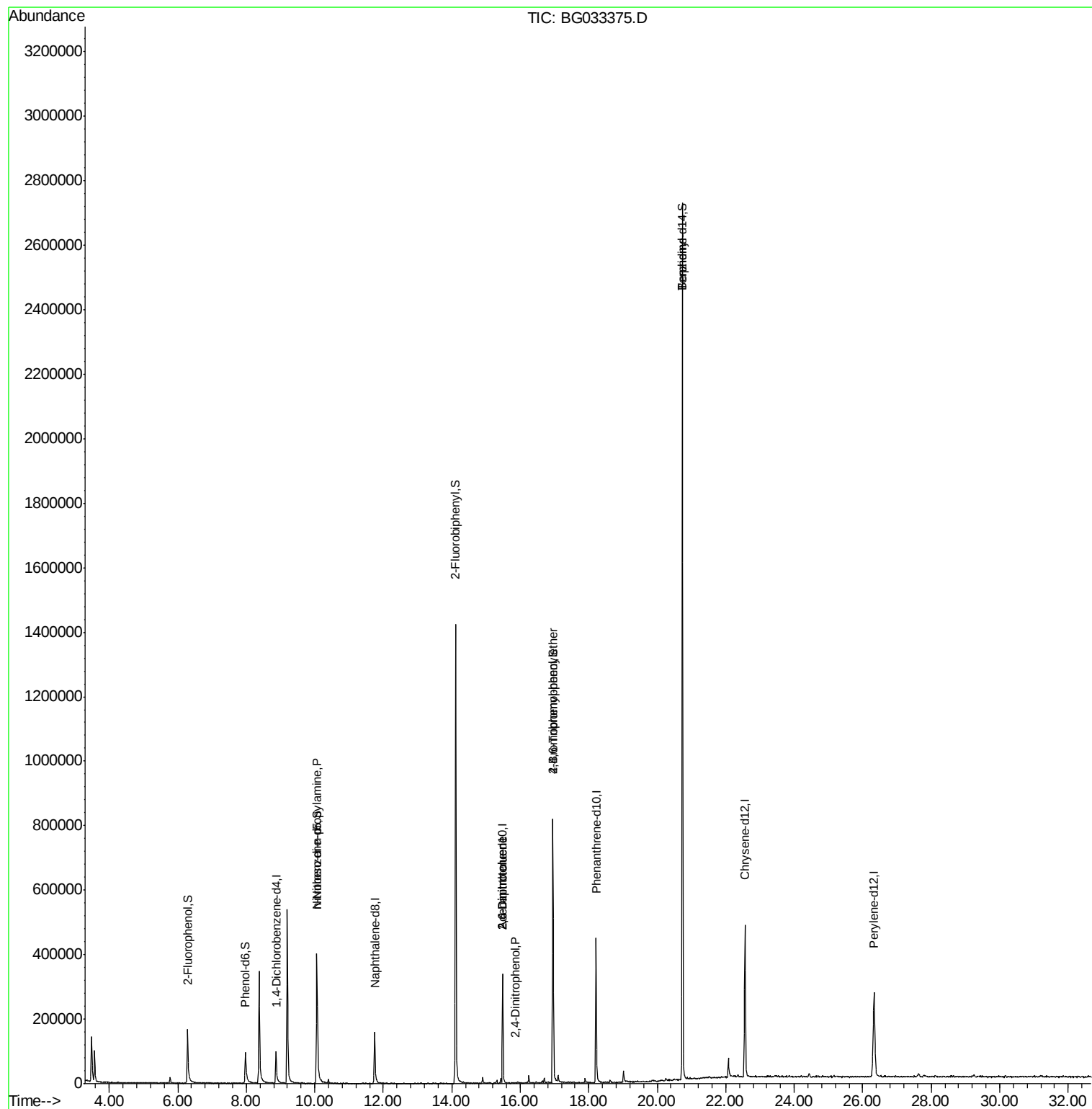
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	38813	20.00	ng	-0.03
21) Naphthalene-d8	11.75	136	165319	20.00	ng	-0.03
38) Acenaphthene-d10	15.49	164	127405	20.00	ng	-0.03
63) Phenanthrene-d10	18.21	188	332887	20.00	ng	-0.03
75) Chrysene-d12	22.56	240	341377	20.00	ng	-0.04
86) Perylene-d12	26.33	264	369146	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	94661	45.73	ng	-0.02
7) Phenol-d6	7.97	99	81702	22.97	ng	-0.03
23) Nitrobenzene-d5	10.06	82	320415	89.05	ng	-0.03
41) 2,4,6-Tribromophenol	16.95	330	176737	92.75	ng	-0.03
44) 2-Fluorobiphenyl	14.11	172	810286	91.81	ng	-0.03
78) Terphenyl-d14	20.73	244	1432500	89.74	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.07	70	43963	16.869	ng	# 72
50) 2,6-Dinitrotoluene	15.48	165	15618	6.889	ng	# 22
53) 2,4-Dinitrophenol	15.86	184	56	7.686	ng	# 1
56) 2,4-Dinitrotoluene	15.48	165	15618	4.679	ng	# 19
66) 4-Bromophenyl-phenylether	16.95	248	14586	3.731	ng	# 1
76) Benzidine	20.73	184	22956	2.480	ng	# 92

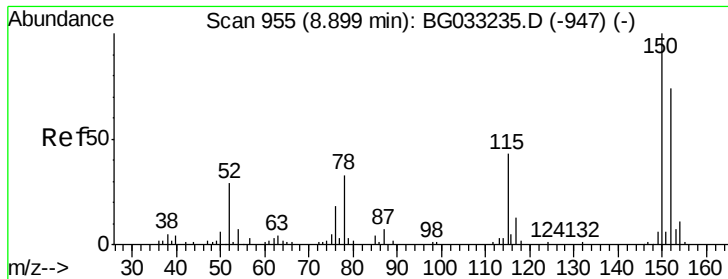
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 15 Sample Multiplier: 1

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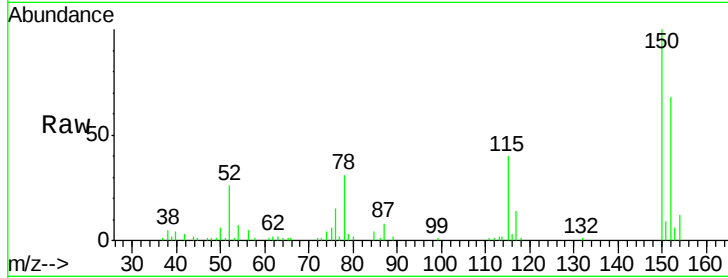


#1

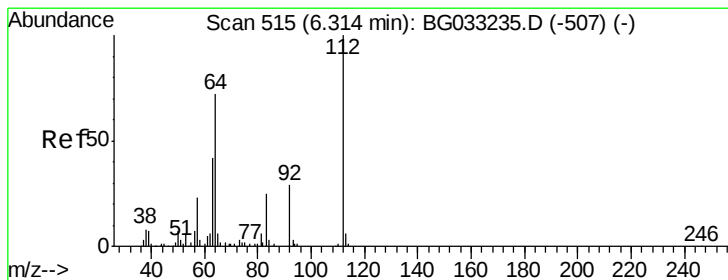
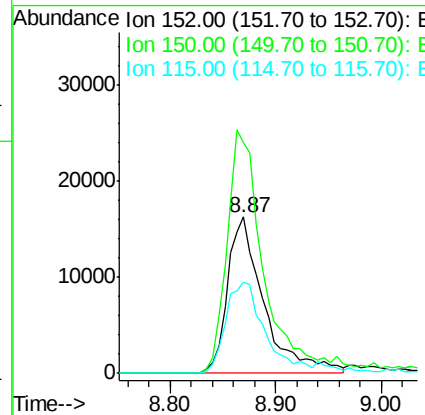
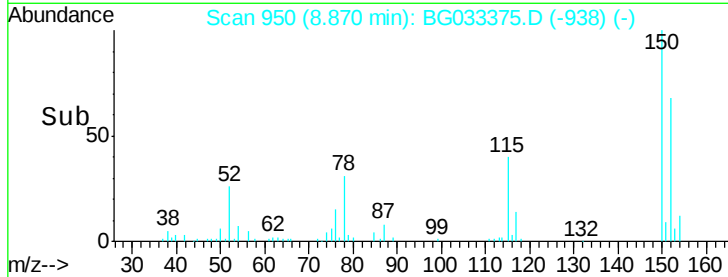
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.87 min Scan# 950
Delta R.T. -0.03 min
Lab File: BG033375.D
Acq: 27 Mar 2018 23:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.7	126.6	189.8
115	58.8	53.0	79.4



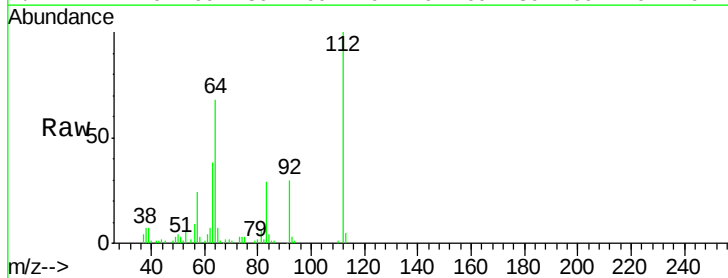
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



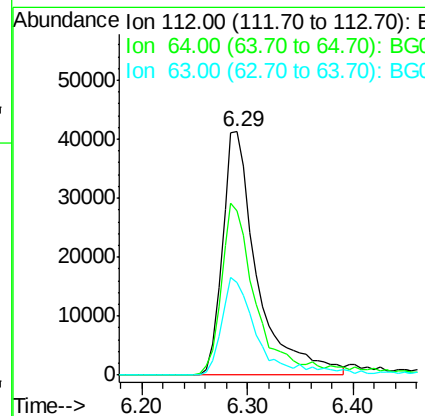
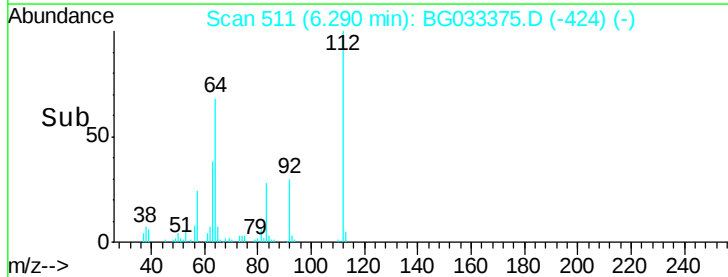
#5

2-Fluorophenol
Concen: 45.732 ng
RT: 6.29 min Scan# 511
Delta R.T. -0.02 min
Lab File: BG033375.D
Acq: 27 Mar 2018 23:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.5	56.3	84.5
63	37.9	30.1	45.1



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





#7

Phenol-d6

Concen: 22.973 ng

RT: 7.97 min Scan# 797

Delta R.T. -0.03 min

Lab File: BG033375.D

Acq: 27 Mar 2018 23:20

Instrument :

BNA_G

ClientSampleId :

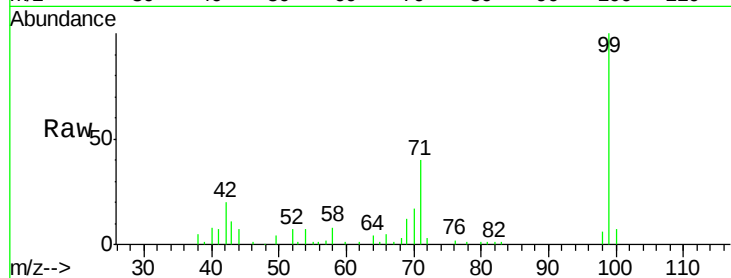
Tot Ion: 99 Resp: 81702

Ion Ratio Lower Upper

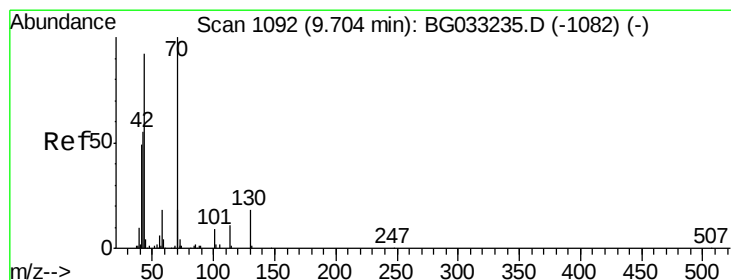
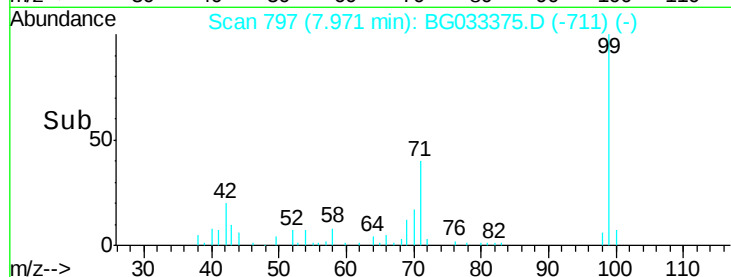
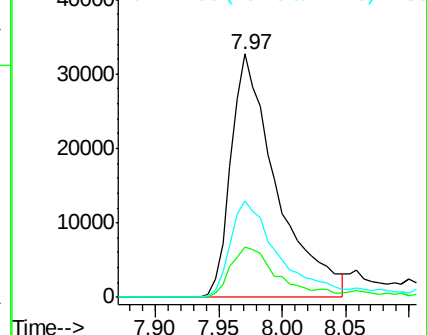
99 100

42 20.4 14.1 21.1

71 39.7 26.1 39.1#



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 16.869 ng

RT: 10.07 min Scan# 1154

Delta R.T. 0.37 min

Lab File: BG033375.D

Acq: 27 Mar 2018 23:20

Tgt Ion: 70 Resp: 43963

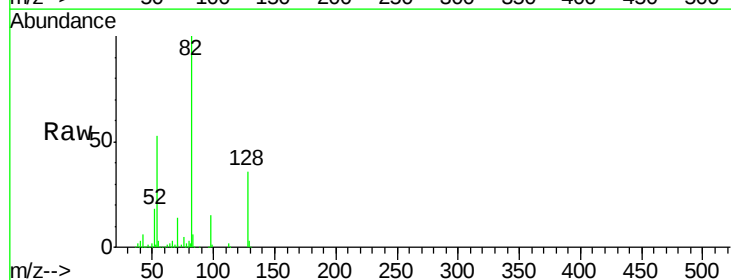
Ion Ratio Lower Upper

70 100

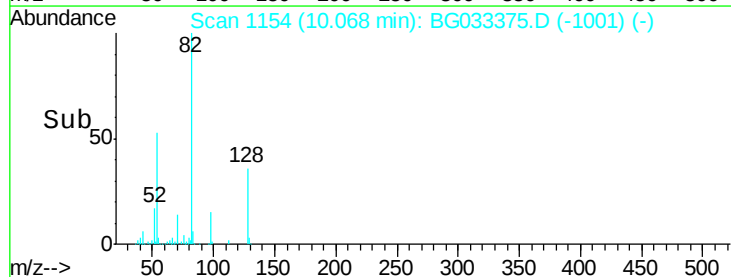
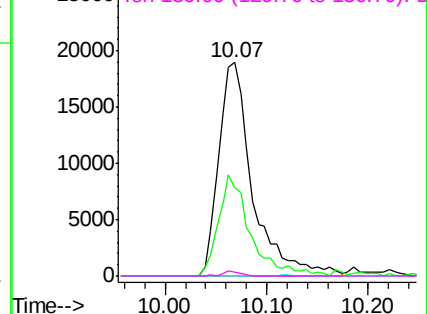
42 41.4 49.1 73.7#

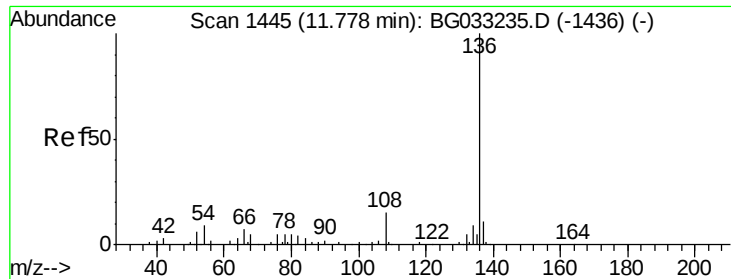
101 0.0 8.5 12.7#

130 1.6 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: 11.75 min Scan# 1440

Delta R.T. -0.03 min

Lab File: BG033375.D

Acq: 27 Mar 2018 23:20

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 165319

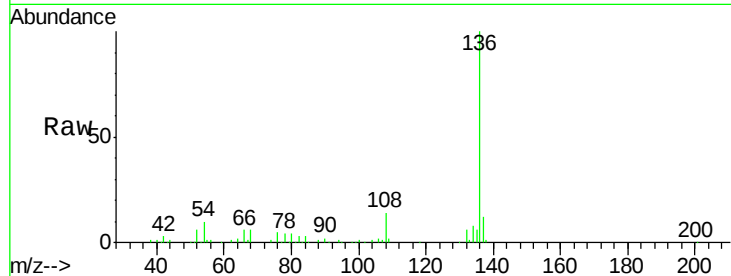
Ion Ratio Lower Upper

136 100

137 11.8 9.2 13.8

54 9.6 10.3 15.5#

68 6.0 4.5 6.7

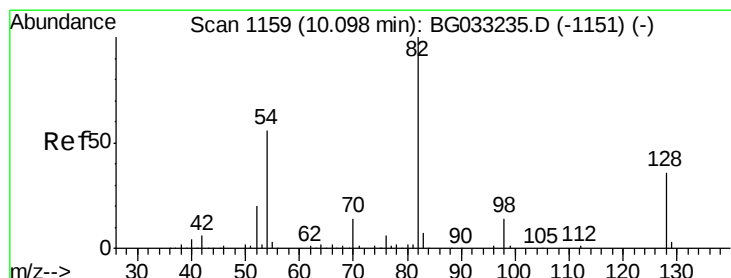
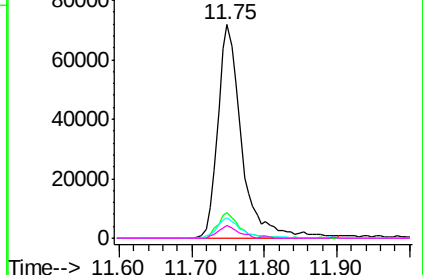
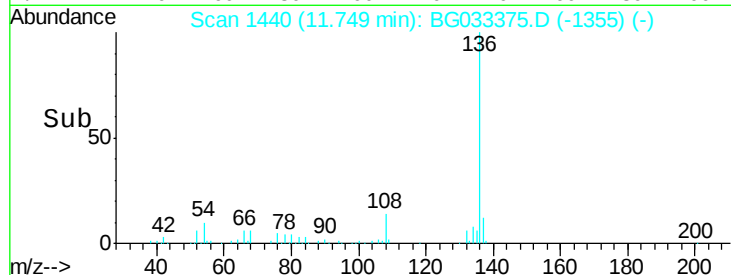


Abundance Ion 136.00 (135.70 to 136.70): B

Ion 137.00 (136.70 to 137.70): B

Ion 54.00 (53.70 to 54.70): B

Ion 68.00 (67.70 to 68.70): B



#23

Nitrobenzene-d5

Concen: 89.047 ng

RT: 10.06 min Scan# 1153

Delta R.T. -0.03 min

Lab File: BG033375.D

Acq: 27 Mar 2018 23:20

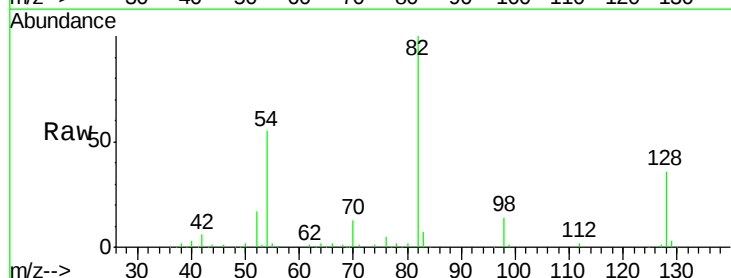
Tgt Ion: 82 Resp: 320415

Ion Ratio Lower Upper

82 100

128 36.3 29.7 44.5

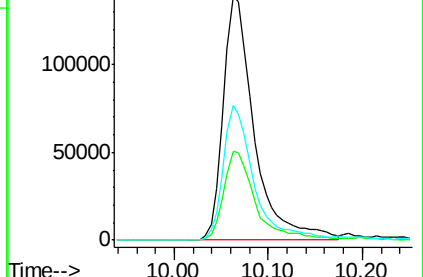
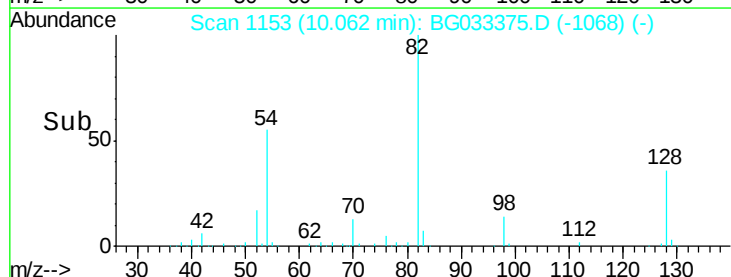
54 55.3 43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): B

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): B





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.49 min Scan# 2076

Delta R.T. -0.03 min

Lab File: BG033375.D

Acq: 27 Mar 2018 23:20

Instrument :

BNA_G

ClientSampleId :

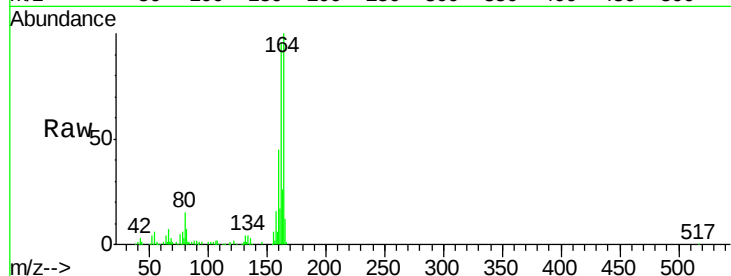
Tot Ion:164 Resp: 127405

Ion Ratio Lower Upper

164 100

162 96.3 78.8 118.2

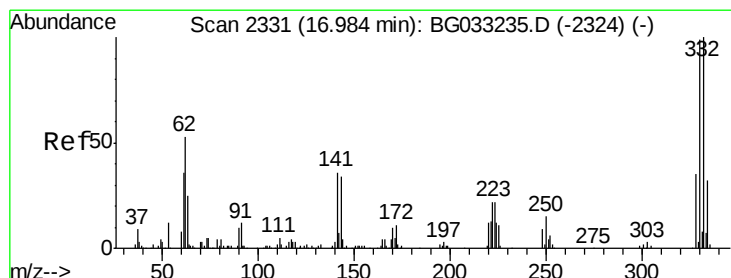
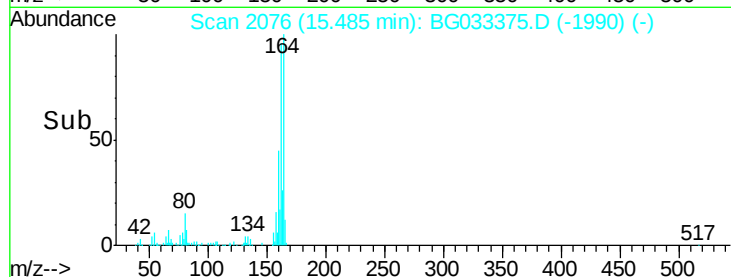
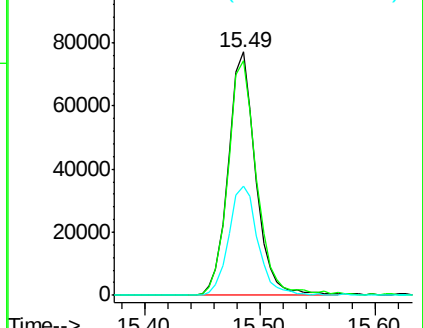
160 45.0 35.4 53.0



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: 92.751 ng

RT: 16.95 min Scan# 2326

Delta R.T. -0.03 min

Lab File: BG033375.D

Acq: 27 Mar 2018 23:20

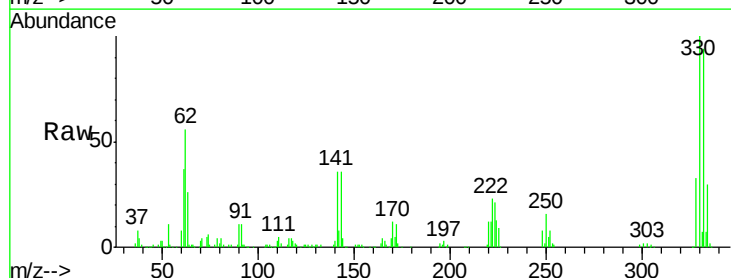
Tgt Ion:330 Resp: 176737

Ion Ratio Lower Upper

330 100

332 95.0 77.0 115.6

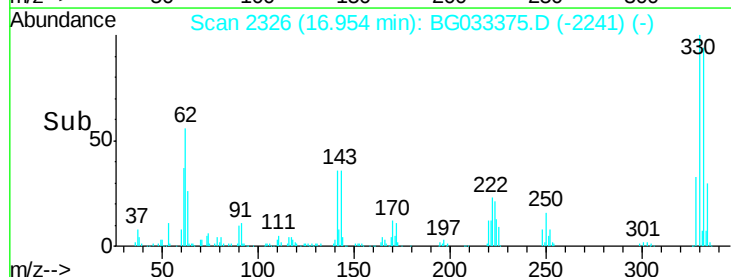
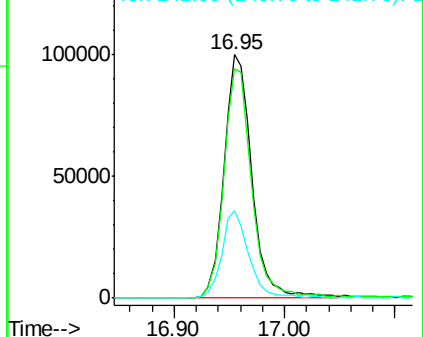
141 34.6 25.2 37.8

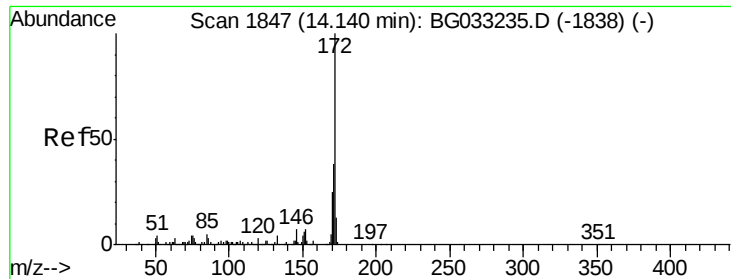


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

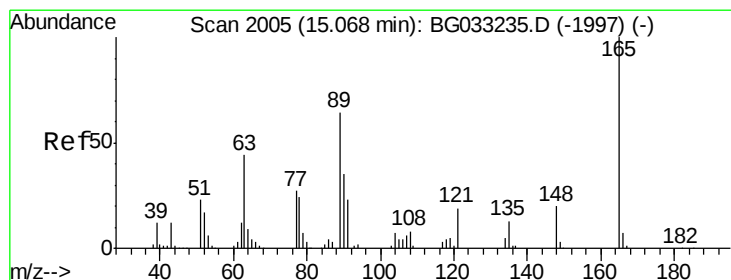
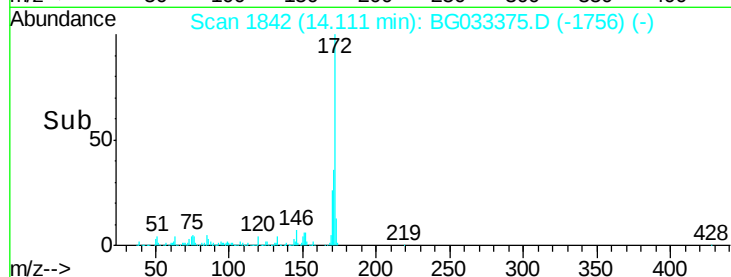
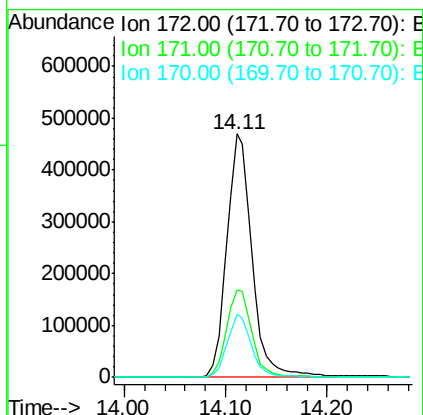
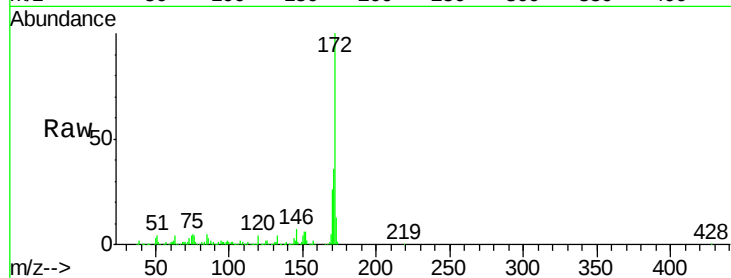




#44
2-Fluorobiphenyl
Concen: 91.814 ng
RT: 14.11 min Scan# 1842
Delta R.T. -0.03 min
Lab File: BG033375.D
Acq: 27 Mar 2018 23:20

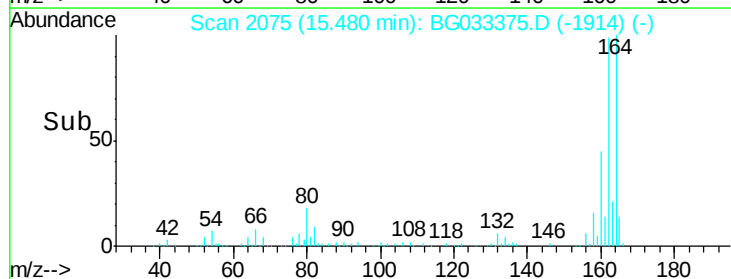
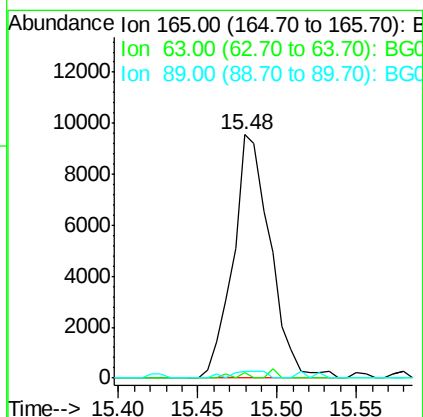
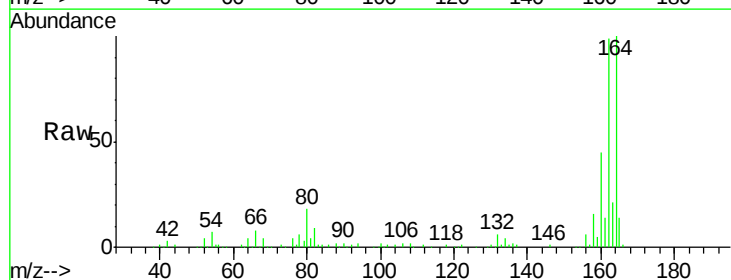
Instrument :
BNA_G
ClientSampleId :

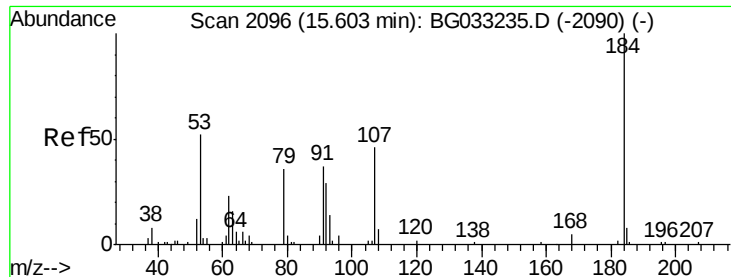
Tot Ion:172 Resp: 810286
Ion Ratio Lower Upper
172 100
171 35.9 30.0 45.0
170 25.9 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 6.889 ng
RT: 15.48 min Scan# 2075
Delta R.T. 0.41 min
Lab File: BG033375.D
Acq: 27 Mar 2018 23:20

Tgt Ion:165 Resp: 15618
Ion Ratio Lower Upper
165 100
63 2.3 52.7 79.1#
89 2.8 49.2 73.8#





#53

2,4-Dinitrophenol

Concen: 7.686 ng

RT: 15.86 min Scan# 2139

Delta R.T. 0.25 min

Lab File: BG033375.D

Acq: 27 Mar 2018 23:20

Instrument :

BNA_G

ClientSampleId :

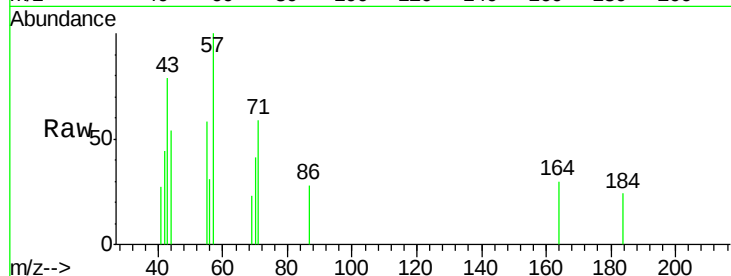
Tot Ion:184 Resp: 56

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

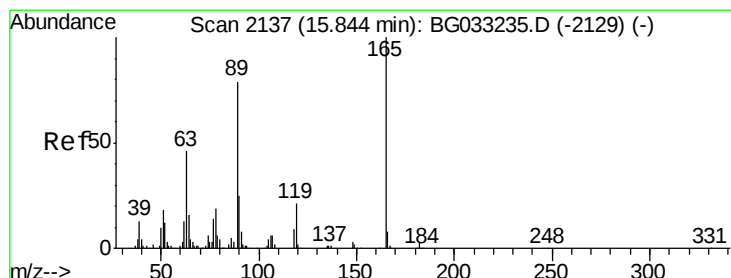
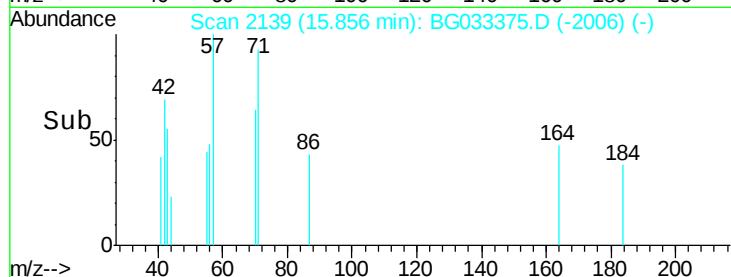
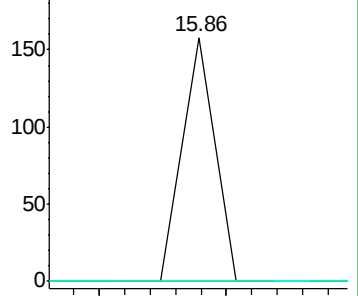
154 0.0 101.8 152.8#



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: 4.679 ng

RT: 15.48 min Scan# 2075

Delta R.T. -0.37 min

Lab File: BG033375.D

Acq: 27 Mar 2018 23:20

Tgt Ion:165 Resp: 15618

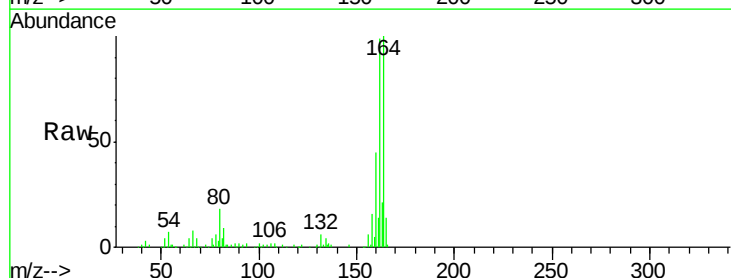
Ion Ratio Lower Upper

165 100

63 2.3 42.0 63.0#

89 2.8 66.9 100.3#

182 0.0 2.6 3.8#

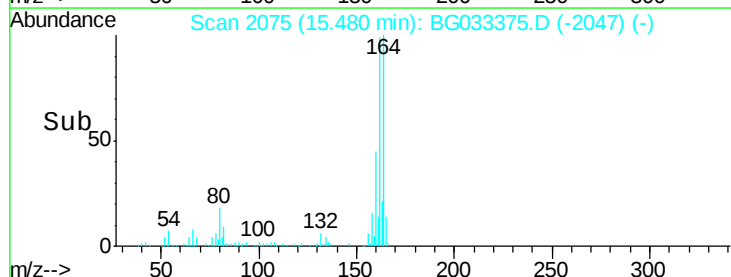
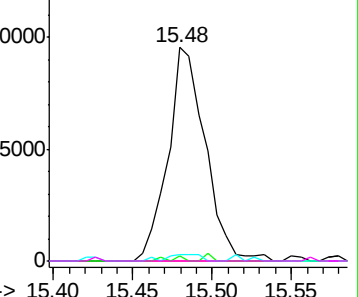


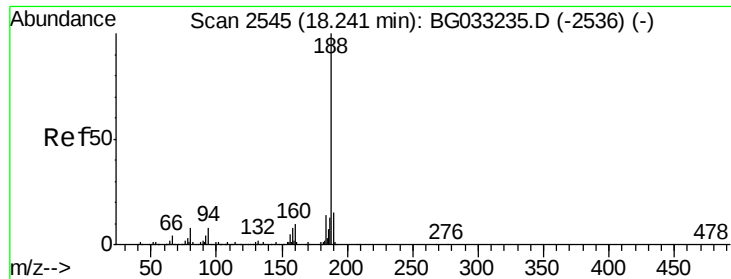
Abundance Ion 165.00 (164.70 to 165.70): E

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

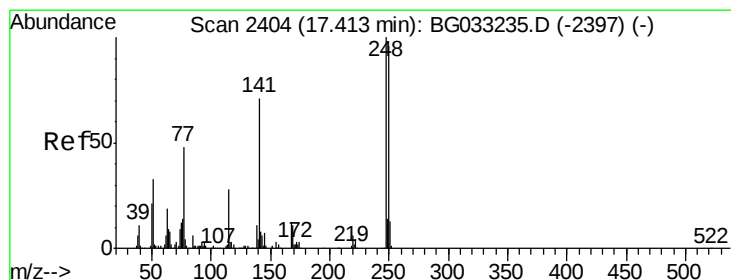
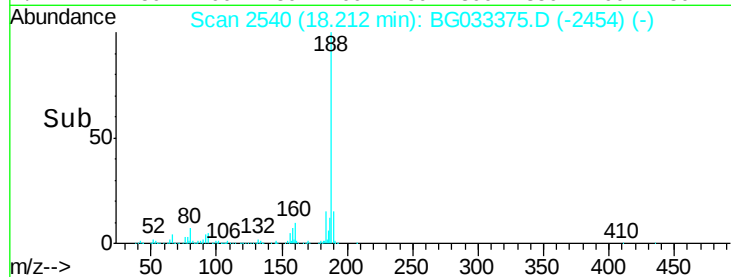
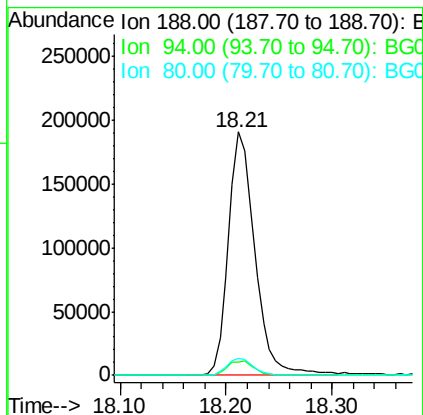
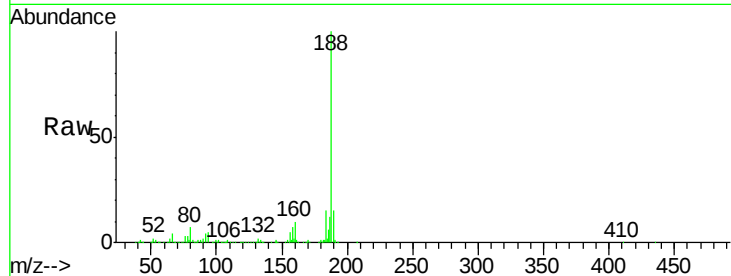




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.21 min Scan# 2540
Delta R.T. -0.03 min
Lab File: BG033375.D
Acq: 27 Mar 2018 23:20

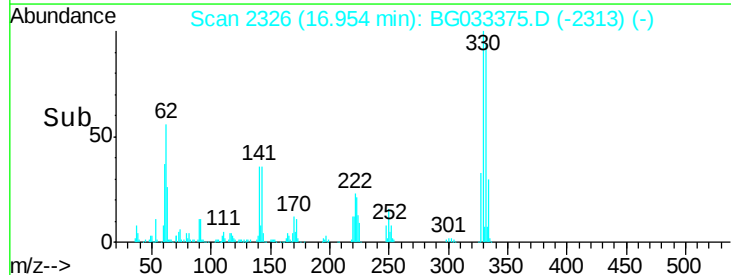
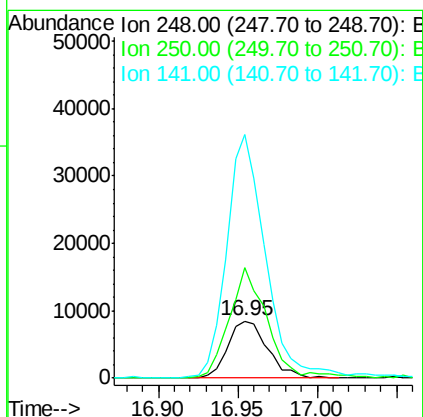
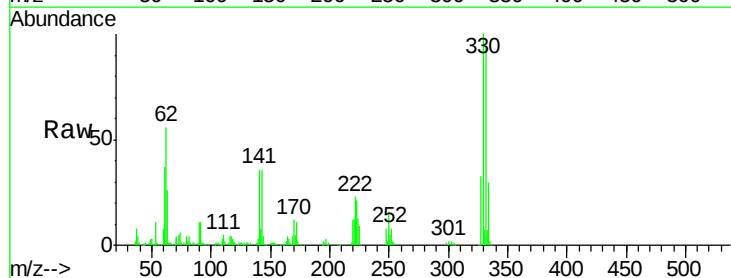
Instrument :
BNA_G
ClientSampleId :

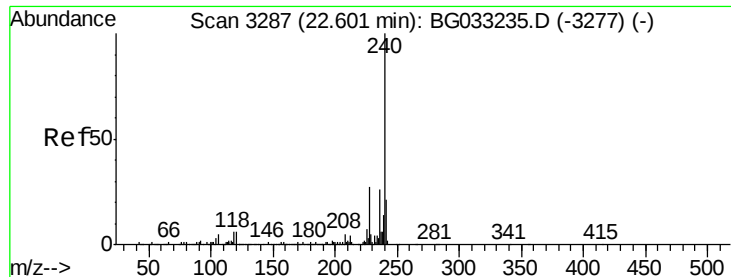
Tot Ion	Ratio	Lower	Upper
188	100		
94	5.5	6.9	10.3#
80	7.0	7.7	11.5#



#66
4-Bromophenyl-phenylether
Concen: 3.731 ng
RT: 16.95 min Scan# 2326
Delta R.T. -0.46 min
Lab File: BG033375.D
Acq: 27 Mar 2018 23:20

Tgt Ion	Ratio	Lower	Upper
248	100		
250	194.6	77.1	115.7#
141	426.4	50.8	76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.56 min Scan# 3280

Delta R.T. -0.04 min

Lab File: BG033375.D

Acq: 27 Mar 2018 23:20

Instrument :

BNA_G

ClientSampleId :

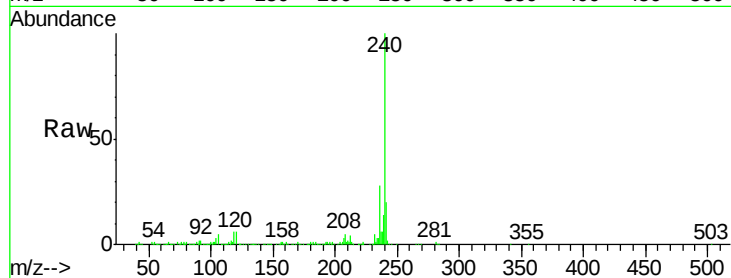
Tot Ion:240 Resp: 341377

Ion Ratio Lower Upper

240 100

120 6.0 6.8 10.2#

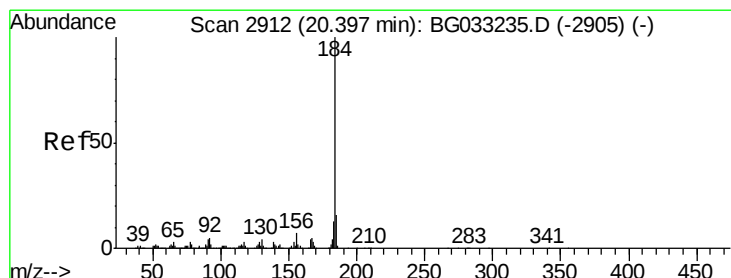
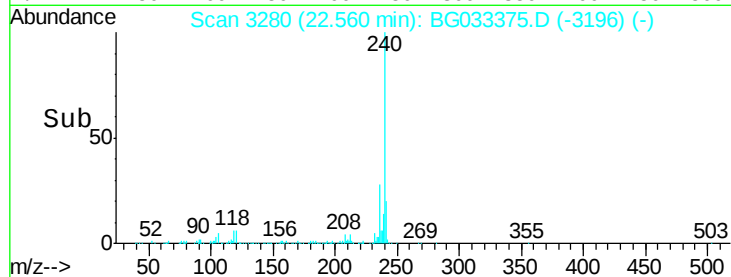
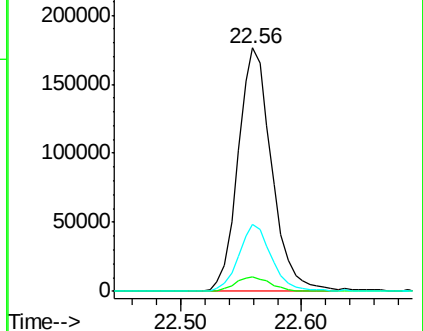
236 27.5 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 2.480 ng

RT: 20.73 min Scan# 2969

Delta R.T. 0.34 min

Lab File: BG033375.D

Acq: 27 Mar 2018 23:20

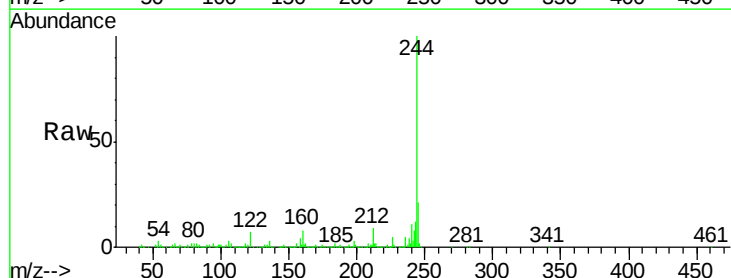
Tgt Ion:184 Resp: 22956

Ion Ratio Lower Upper

184 100

185 15.9 11.1 16.7

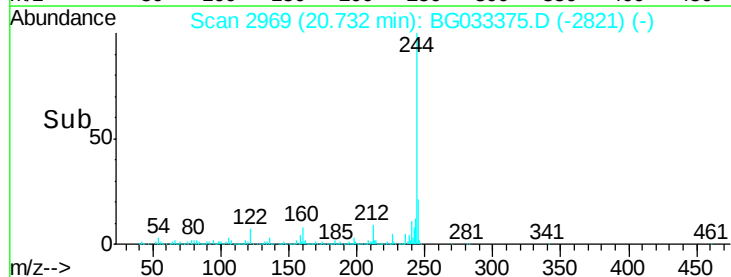
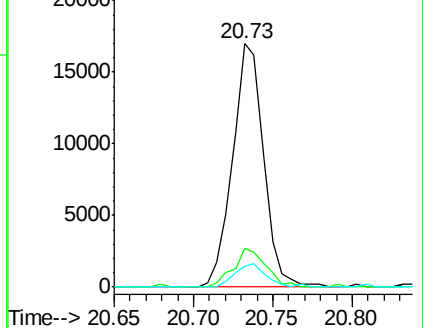
183 8.7 10.6 16.0#

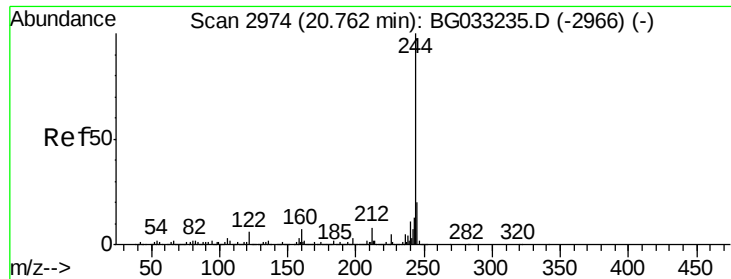


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 89.741 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.03 min

Lab File: BG033375.D

Acq: 27 Mar 2018 23:20

Instrument :

BNA_G

ClientSampleId :

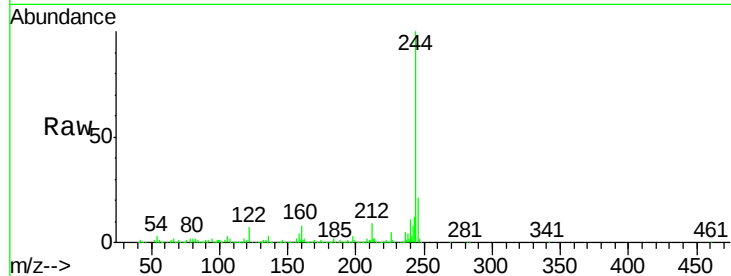
Tot Ion:244 Resp: 1432500

Ion Ratio Lower Upper

244 100

212 8.5 5.8 8.8

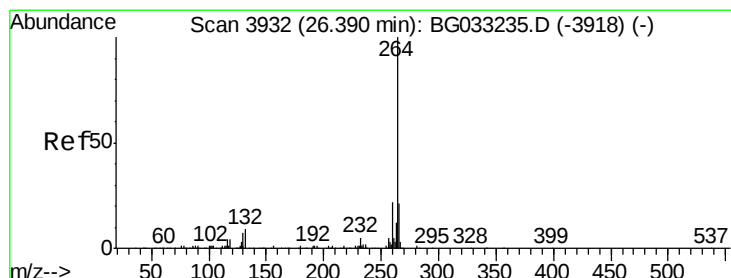
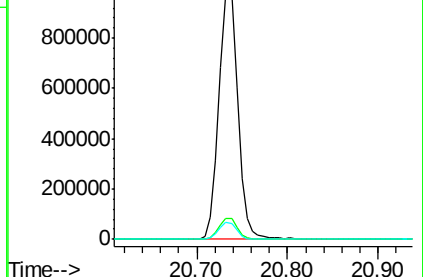
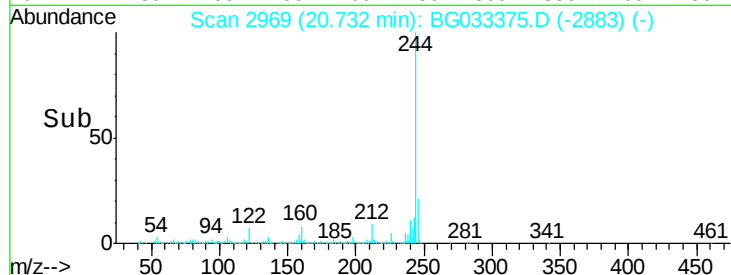
122 6.9 7.0 10.4#



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: 26.33 min Scan# 3921

Delta R.T. -0.06 min

Lab File: BG033375.D

Acq: 27 Mar 2018 23:20

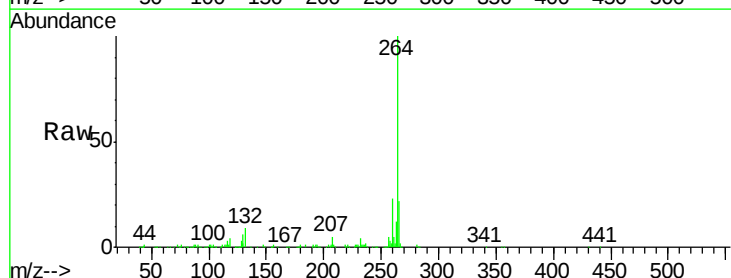
Tgt Ion:264 Resp: 369146

Ion Ratio Lower Upper

264 100

260 22.9 17.4 26.0

265 22.1 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

