

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020719\
 Data File : BG039409.D
 Acq On : 8 Feb 2019 9:25
 Operator : JU/SJ
 Sample : K1401-02
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RBR-200050

Quant Time: Feb 08 13:16:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 29 15:41:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	56582	20.00	ng	0.00
21) Naphthalene-d8	11.00	136	235217	20.00	ng	0.00
39) Acenaphthene-d10	14.80	164	152049	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	364853	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	407520	20.00	ng	-0.01
87) Perylene-d12	25.22	264	391105	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	450397	136.24	ng	0.00
7) Phenol-d6	7.31	99	589224	121.08	ng	0.00
23) Nitrobenzene-d5	9.35	82	424728	112.80	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	224259	136.97	ng	0.00
45) 2-Fluorobiphenyl	13.43	172	989601	93.37	ng	0.00
79) Terphenyl-d14	20.14	244	1628901	84.61	ng	-0.01

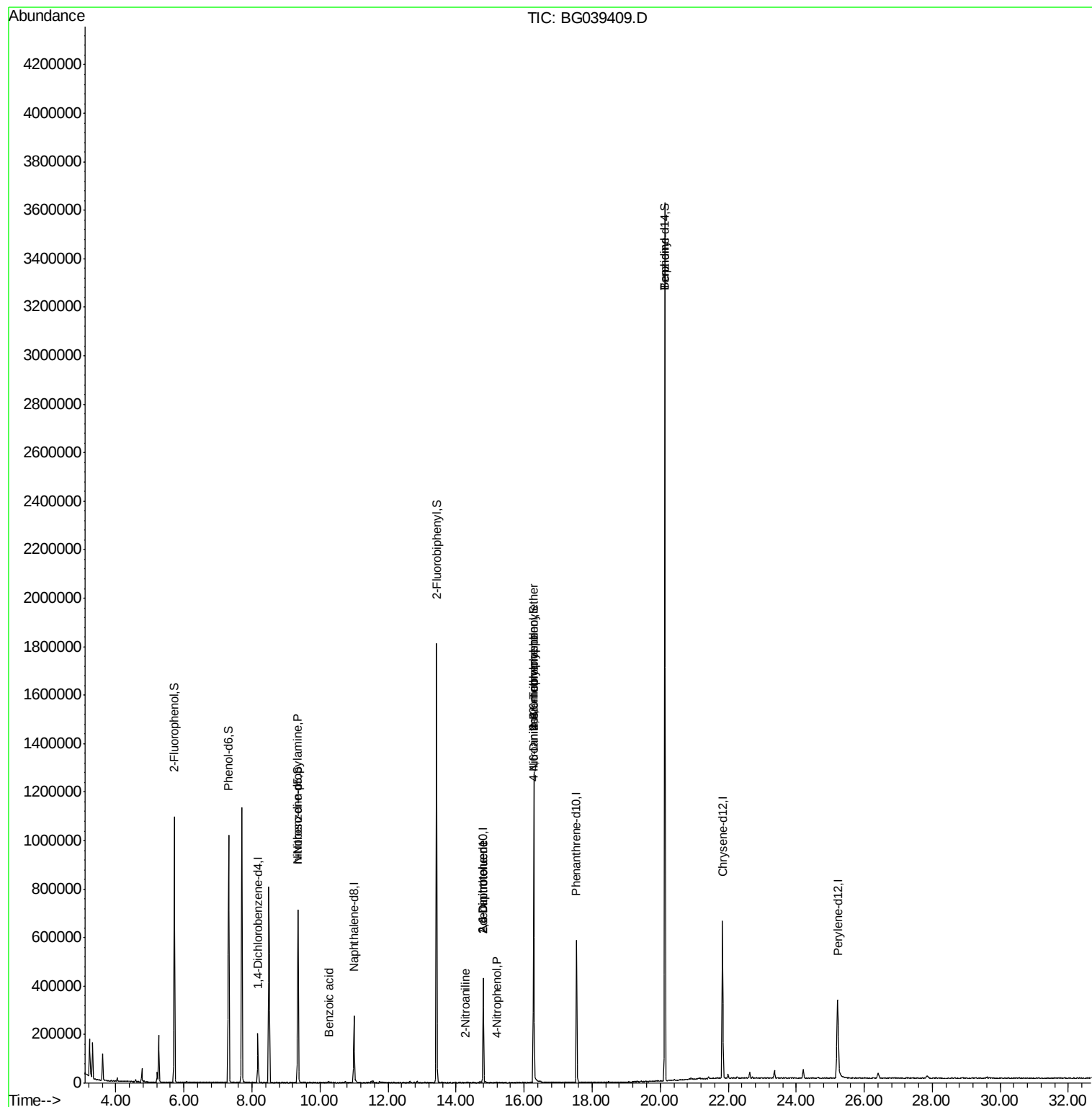
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.32	77	948	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.36	70	55403	16.04	ng	68
32) Benzoic acid	10.26	122	345	9.15	ng	80
48) 2-Nitroaniline	14.28	65	73	8.32	ng	10
51) 2,6-Dinitrotoluene	14.80	165	20101	14.12	ng	23
56) 4-Nitrophenol	15.20	139	360	5.94	ng	1
57) 2,4-Dinitrotoluene	14.80	165	20101	13.55	ng	18
62) 4-Nitroaniline	16.29	138	82	4.23	ng	1
65) 4,6-Dinitro-2-methylphenol	16.27	198	838	4.91	ng	1
67) 4-Bromophenyl-phenylether	16.28	248	17245	4.26	ng	1
77) Benzidine	20.14	184	29189	2.18	ng	94

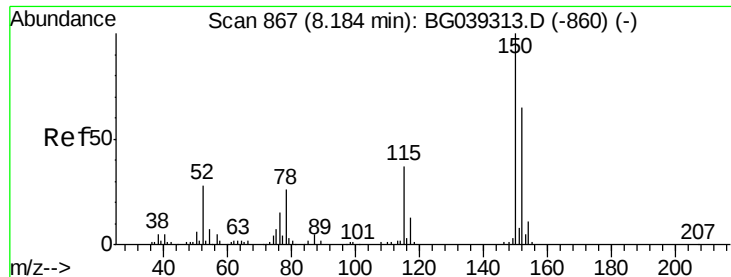
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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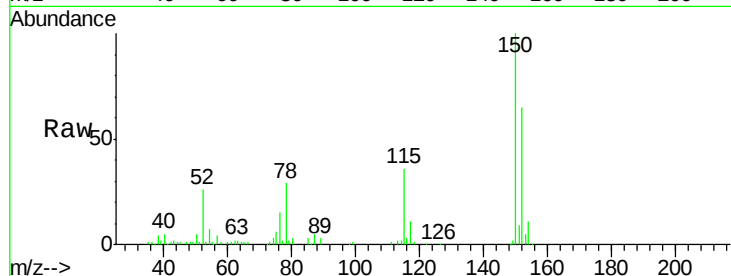


#1

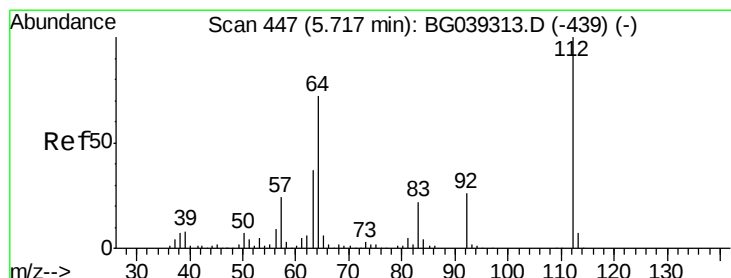
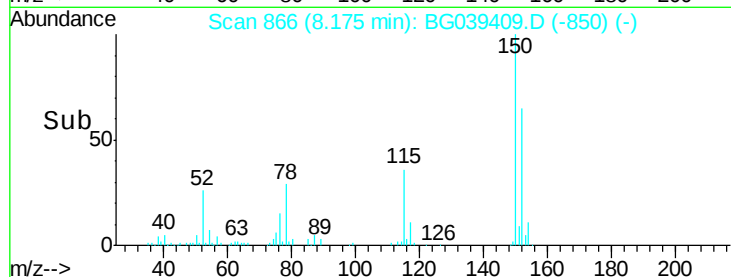
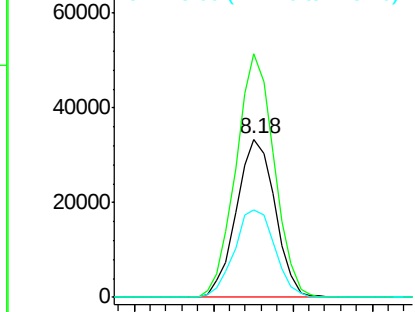
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.18 min Scan# 866
Delta R.T. -0.01 min
Lab File: BG039409.D
Acq: 8 Feb 2019 9:25

Instrument :
BNA_G
ClientSampleId :
RBR-200050

Tot Ion:152 Resp: 56582
Ion Ratio Lower Upper
152 100
150 153.9 123.7 185.5
115 55.6 45.9 68.9



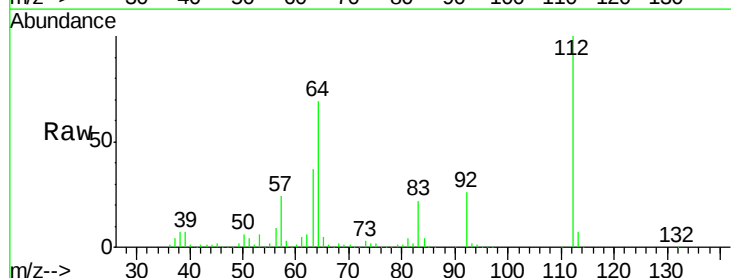
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



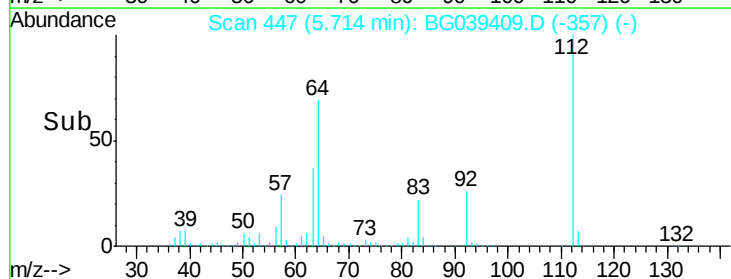
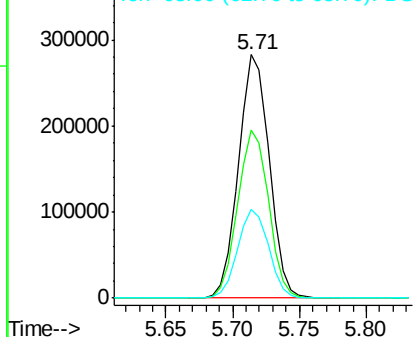
#5

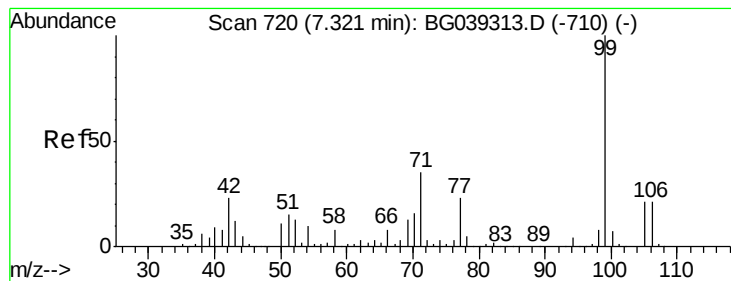
2-Fluorophenol
Concen: 136.24 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039409.D
Acq: 8 Feb 2019 9:25

Tgt Ion:112 Resp: 450397
Ion Ratio Lower Upper
112 100
64 69.3 57.8 86.8
63 36.6 29.8 44.6



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: 121.08 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039409.D

Acq: 8 Feb 2019 9:25

Instrument :

BNA_G

ClientSampleId :

RBR-200050

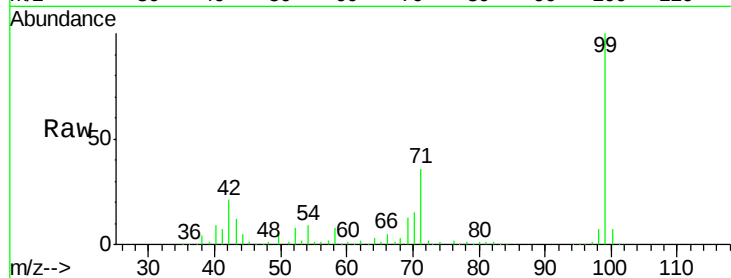
Tot Ion: 99 Resp: 589224

Ion Ratio Lower Upper

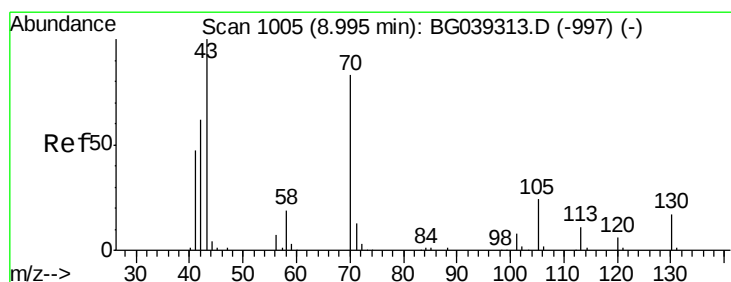
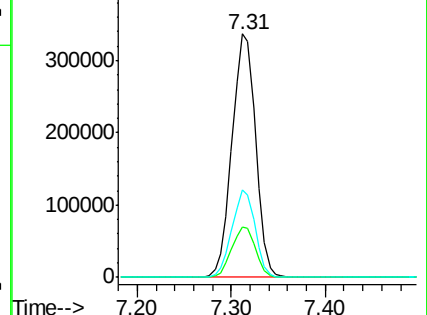
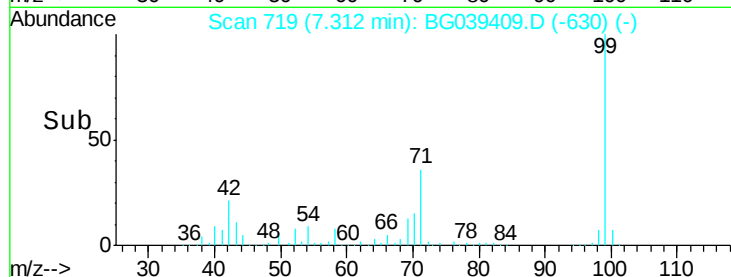
99 100

42 20.9 18.2 27.2

71 36.2 28.0 42.0



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: 16.04 ng

RT: 9.36 min Scan# 1067

Delta R.T. 0.36 min

Lab File: BG039409.D

Acq: 8 Feb 2019 9:25

Tgt Ion: 70 Resp: 55403

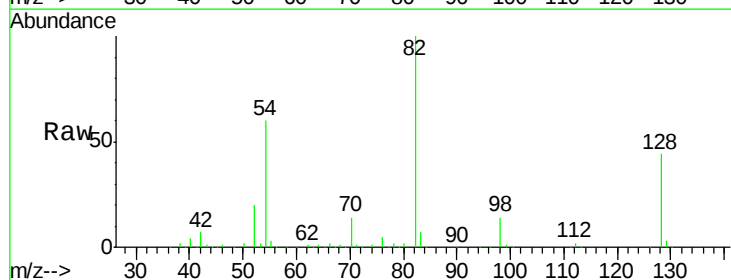
Ion Ratio Lower Upper

70 100

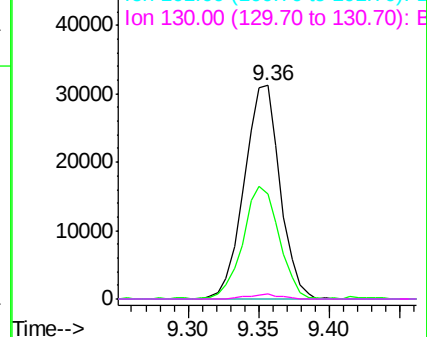
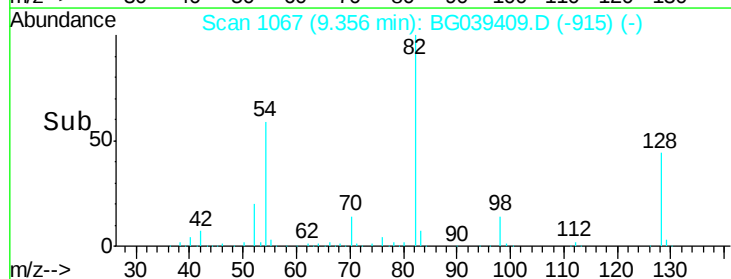
42 49.4 60.4 90.6#

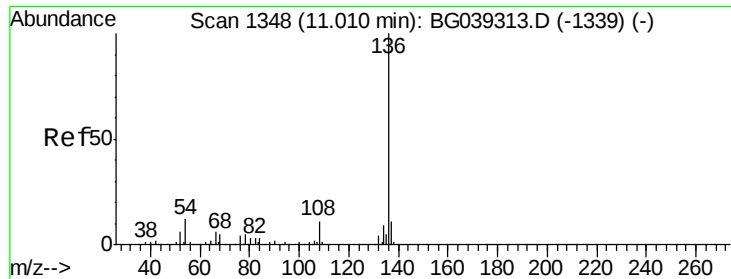
101 0.0 7.5 11.3#

130 2.5 16.9 25.3#



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

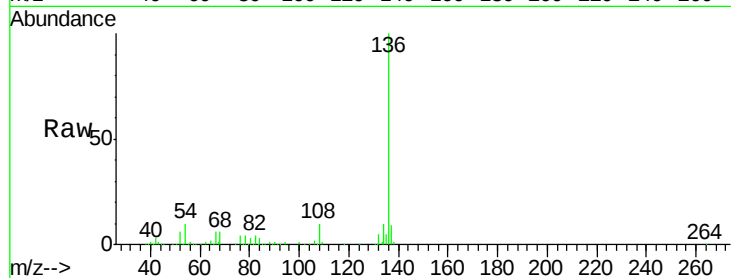




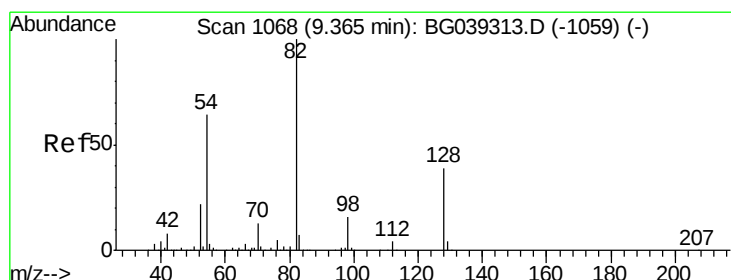
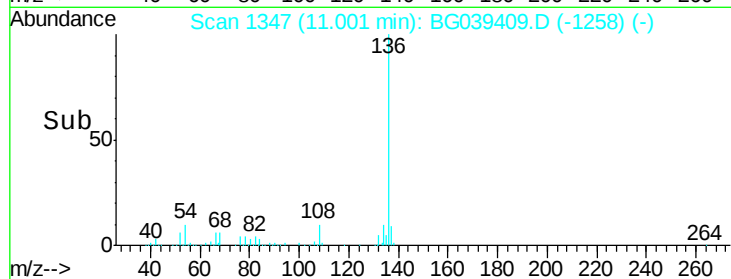
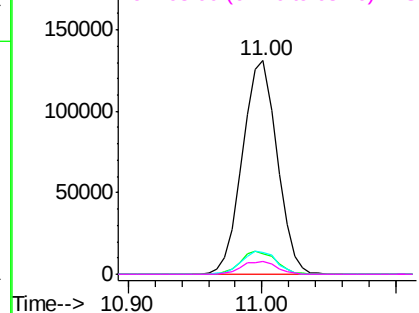
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.00 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BG039409.D
Acq: 8 Feb 2019 9:25

Instrument :
BNA_G
ClientSampleId :
RBR-200050

Tot Ion:136	Resp:	235217
Ion Ratio	Lower	Upper
136	100	
137	9.4	9.1 13.7
54	10.3	9.4 14.2
68	6.3	4.2 6.4

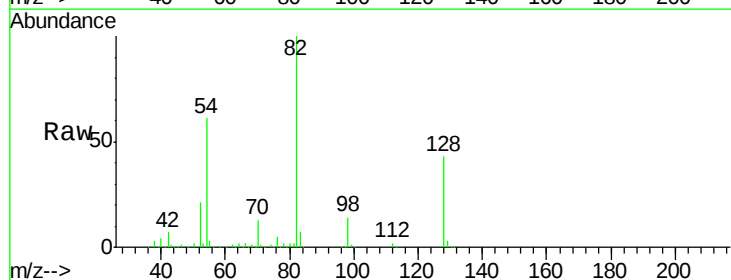


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

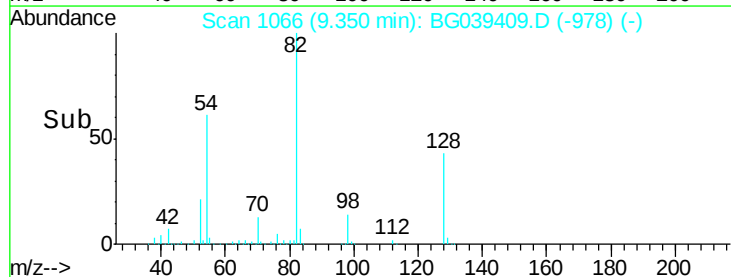
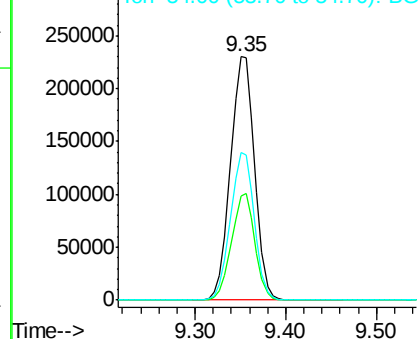


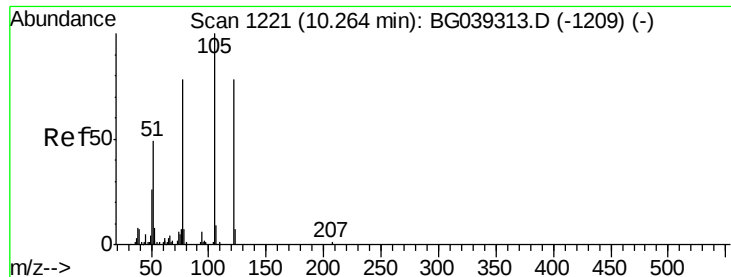
#23
Nitrobenzene-d5
Concen: 112.80 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BG039409.D
Acq: 8 Feb 2019 9:25

Tgt Ion: 82	Resp:	424728
Ion Ratio	Lower	Upper
82	100	
128	42.6	31.3 46.9
54	60.9	50.9 76.3



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: 9.15 ng

RT: 10.26 min Scan# 1220

Delta R.T. -0.01 min

Lab File: BG039409.D

Acq: 8 Feb 2019 9:25

Instrument :

BNA_G

ClientSampleId :

RBR-200050

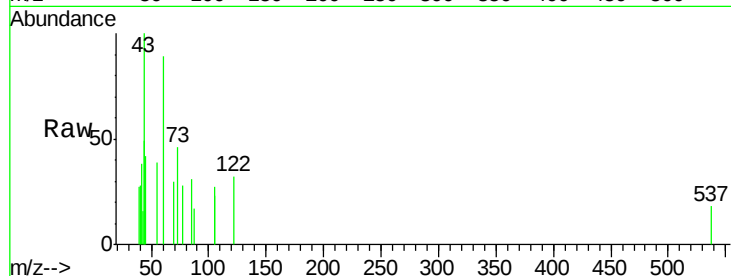
Tot Ion:122 Resp: 345

Ion Ratio Lower Upper

122 100

105 152.2 101.8 141.8#

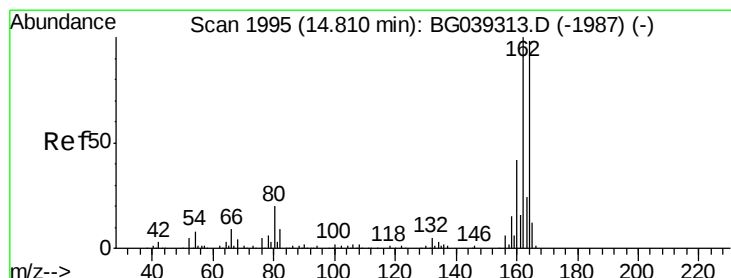
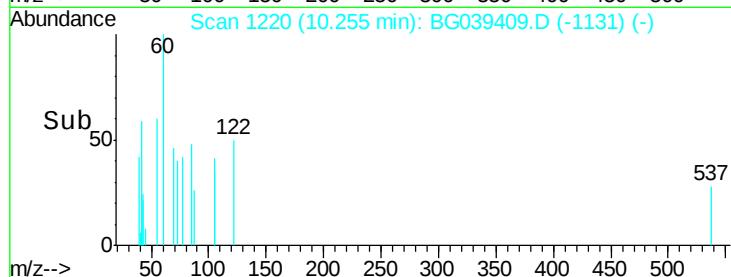
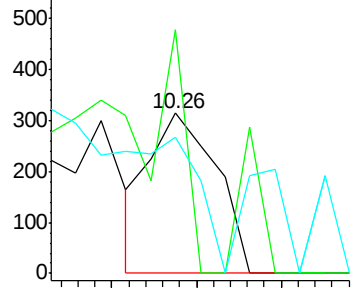
77 85.0 76.3 116.3



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BG039409.D

Acq: 8 Feb 2019 9:25

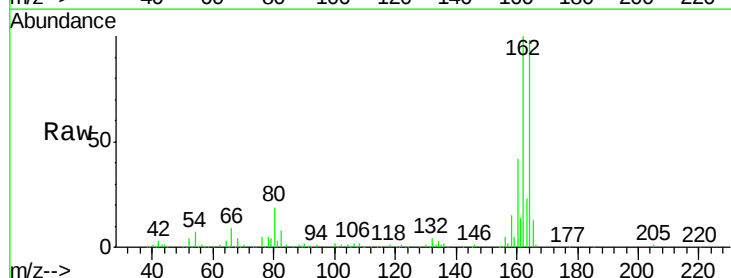
Tgt Ion:164 Resp: 152049

Ion Ratio Lower Upper

164 100

162 102.4 81.6 122.4

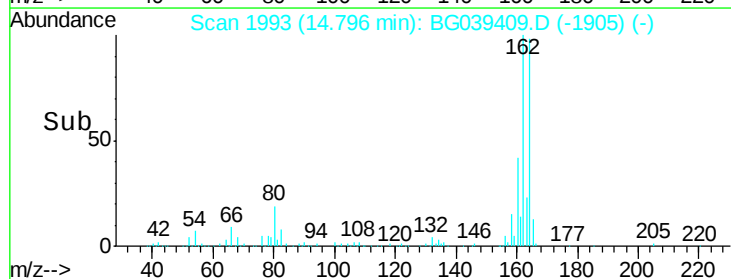
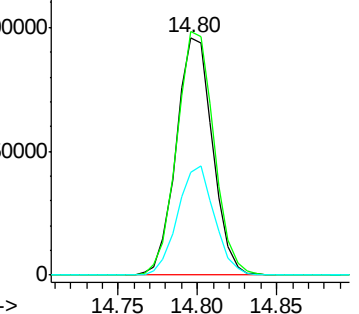
160 43.2 34.2 51.2

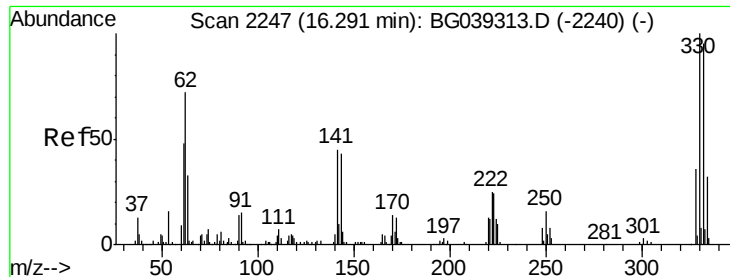


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 136.97 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039409.D

Acq: 8 Feb 2019 9:25

Instrument :

BNA_G

ClientSampleId :

RBR-200050

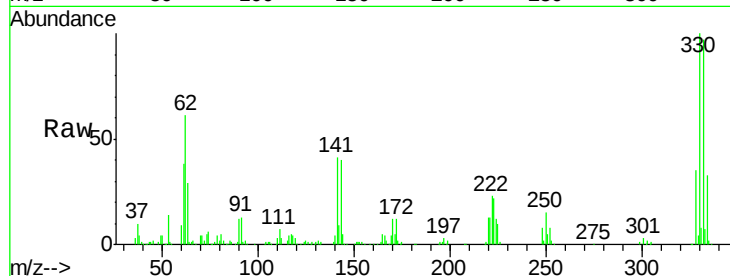
Tot Ion:330 Resp: 224259

Ion Ratio Lower Upper

330 100

332 95.5 75.7 113.5

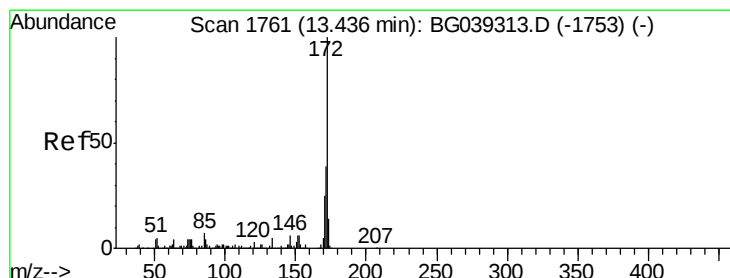
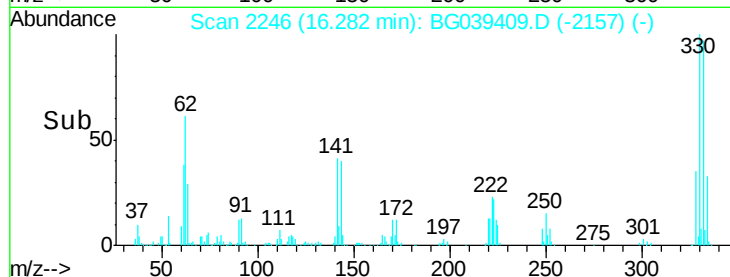
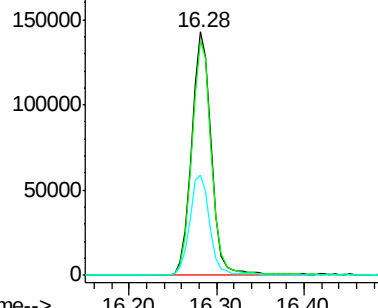
141 42.2 35.6 53.4



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



#45

2-Fluorobiphenyl

Concen: 93.37 ng

RT: 13.43 min Scan# 1760

Delta R.T. -0.01 min

Lab File: BG039409.D

Acq: 8 Feb 2019 9:25

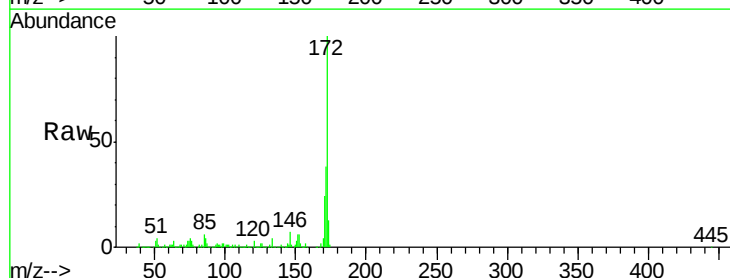
Tgt Ion:172 Resp: 989601

Ion Ratio Lower Upper

172 100

171 37.5 30.8 46.2

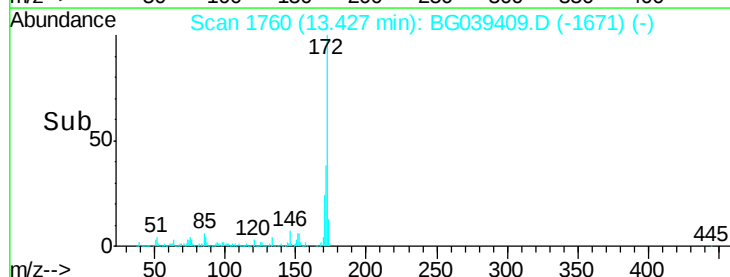
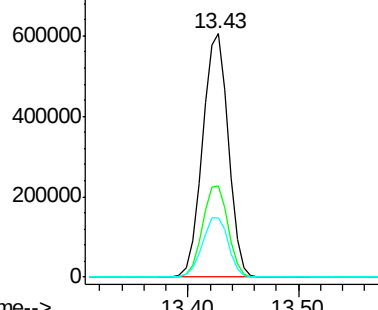
170 24.5 20.2 30.4

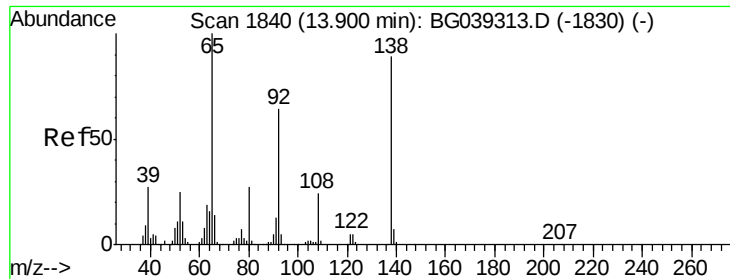


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

2-Nitroaniline

Concen: 8.32 ng

RT: 14.28 min Scan# 1905

Delta R.T. 0.38 min

Lab File: BG039409.D

Acq: 8 Feb 2019 9:25

Instrument :

BNA_G

ClientSampled :

RBR-200050

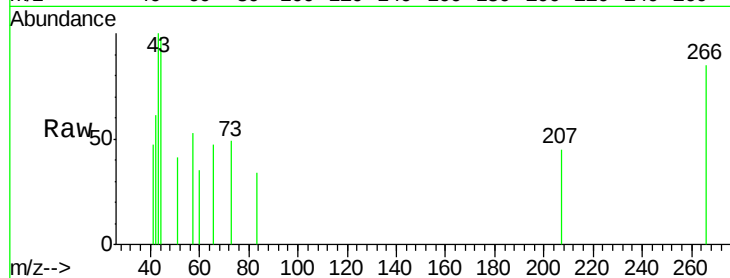
Tot Ion: 65 Resp: 73

Ion Ratio Lower Upper

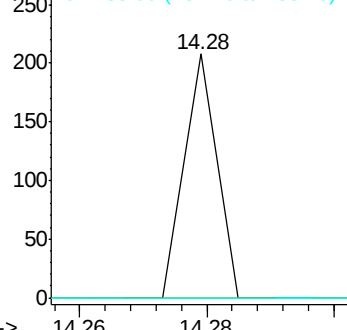
65 100

92 0.0 51.4 77.2#

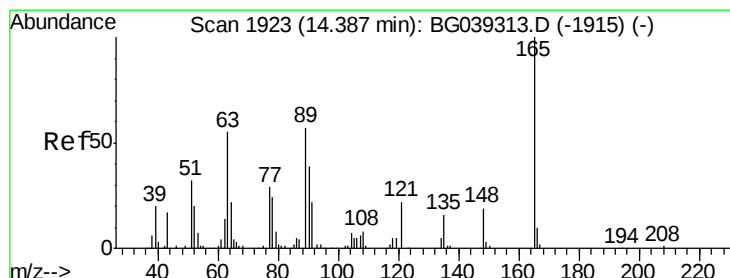
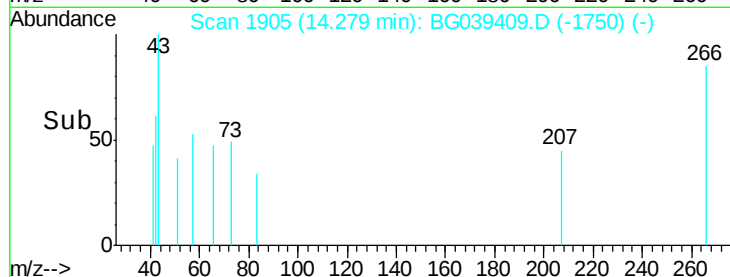
138 0.0 71.4 107.2#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



Time-->



#51

2,6-Dinitrotoluene

Concen: 14.12 ng

RT: 14.80 min Scan# 1993

Delta R.T. 0.41 min

Lab File: BG039409.D

Acq: 8 Feb 2019 9:25

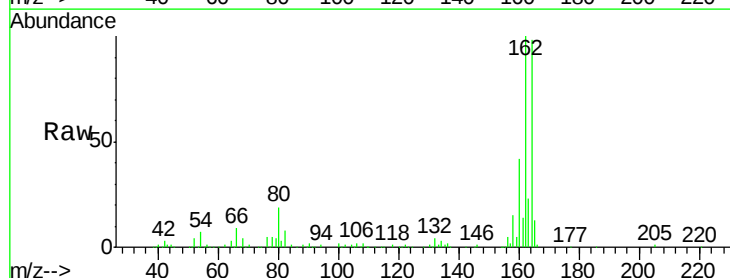
Tgt Ion:165 Resp: 20101

Ion Ratio Lower Upper

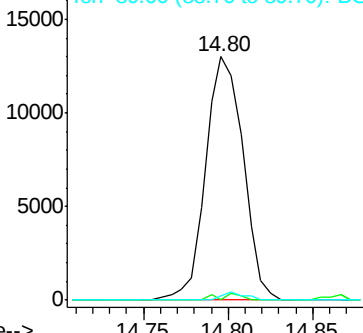
165 100

63 0.0 47.0 70.6#

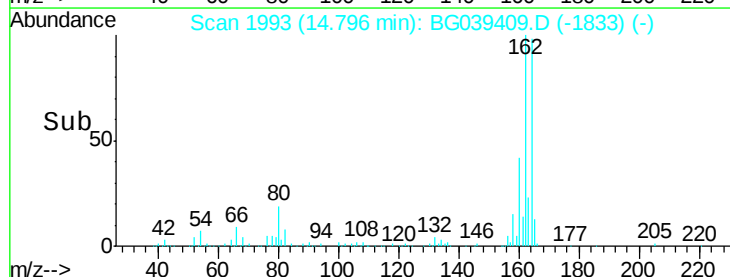
89 1.6 45.8 68.8#

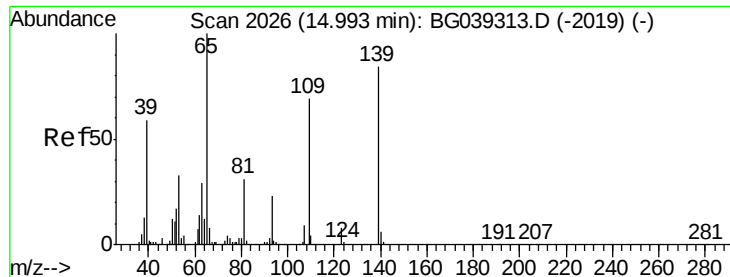


Abundance Ion 165.00 (164.70 to 165.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC



Time-->

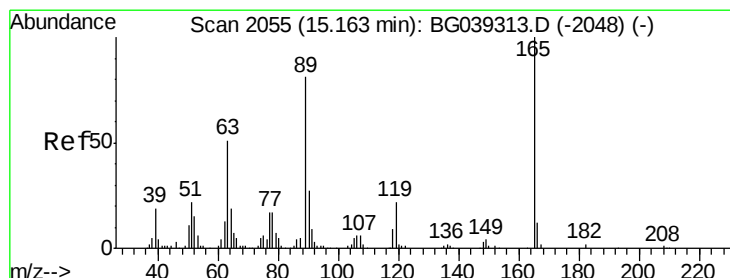
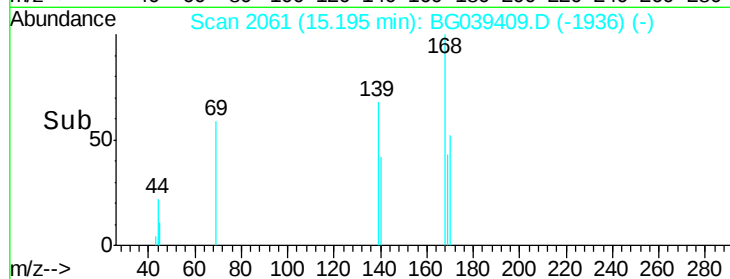
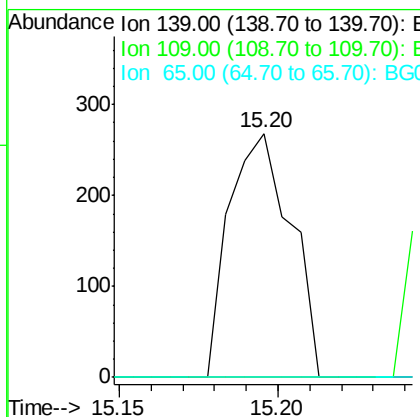
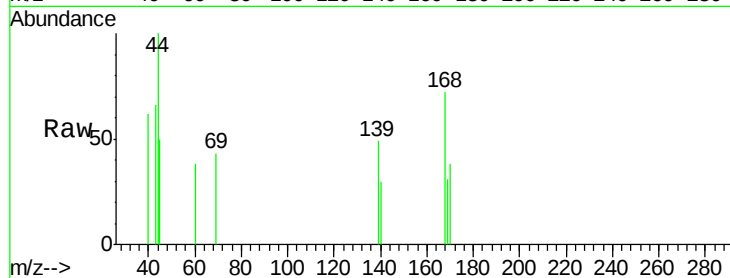




#56
4-Nitrophenol
Concen: 5.94 ng
RT: 15.20 min Scan# 2061
Delta R.T. 0.20 min
Lab File: BG039409.D
Acq: 8 Feb 2019 9:25

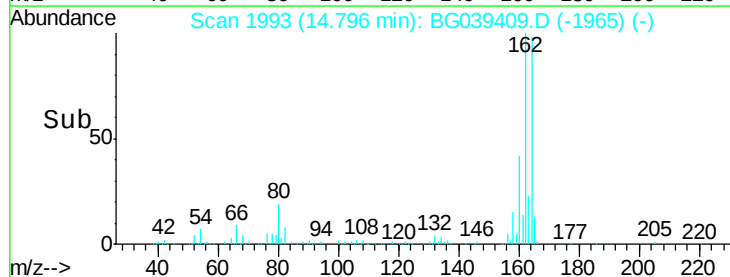
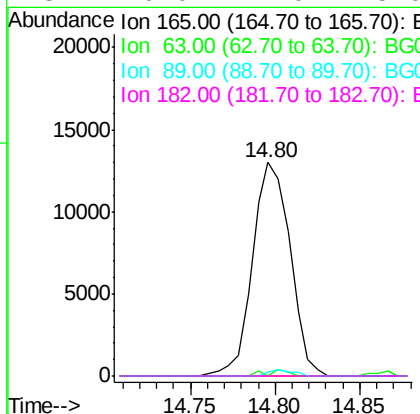
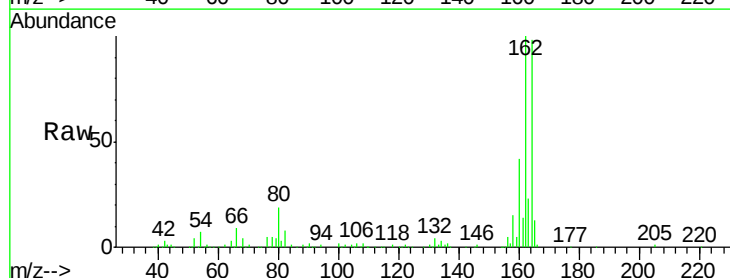
Instrument :
BNA_G
ClientSampleId :
RBR-200050

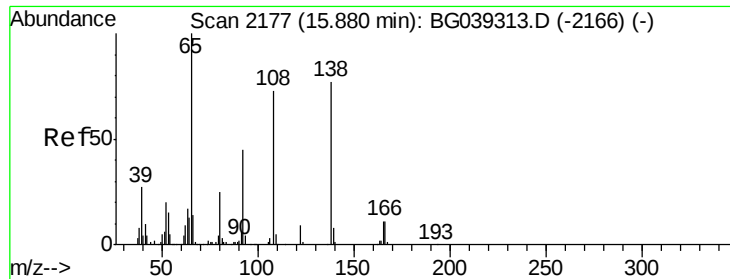
Tot Ion:139 Resp: 360
Ion Ratio Lower Upper
139 100
109 0.0 61.9 101.9#
65 0.0 99.1 139.1#



#57
2,4-Dinitrotoluene
Concen: 13.55 ng
RT: 14.80 min Scan# 1993
Delta R.T. -0.37 min
Lab File: BG039409.D
Acq: 8 Feb 2019 9:25

Tgt Ion:165 Resp: 20101
Ion Ratio Lower Upper
165 100
63 0.0 41.0 61.6#
89 1.6 64.6 96.8#
182 0.0 2.0 3.0#





#62

4-Nitroaniline

Concen: 4.23 ng

RT: 16.29 min Scan# 2248

Delta R.T. 0.41 min

Lab File: BG039409.D

Acq: 8 Feb 2019 9:25

Instrument :

BNA_G

ClientSampleId :

RBR-200050

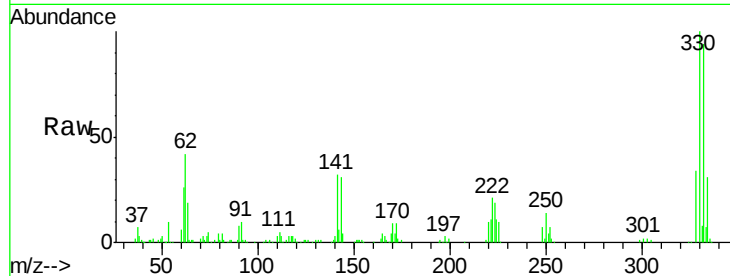
Tot Ion:138 Resp: 82

Ion Ratio Lower Upper

138 100

92 298.3 38.7 78.7#

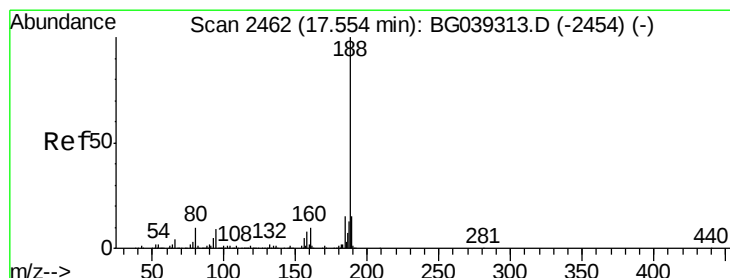
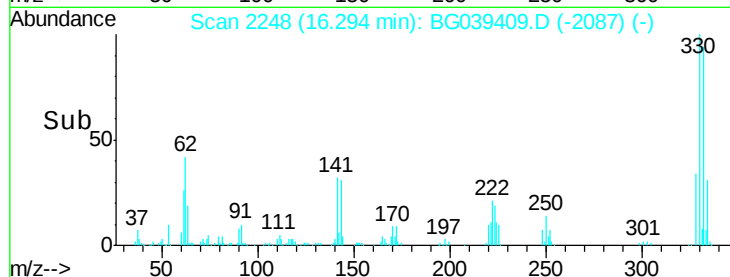
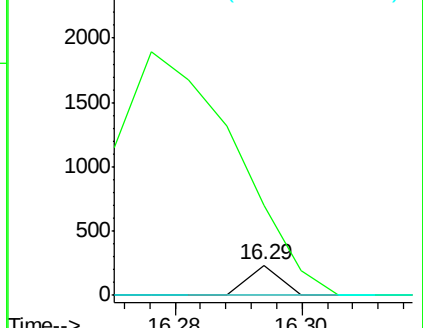
108 0.0 74.6 114.6#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

Ion 108.00 (107.70 to 108.70): E



#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG039409.D

Acq: 8 Feb 2019 9:25

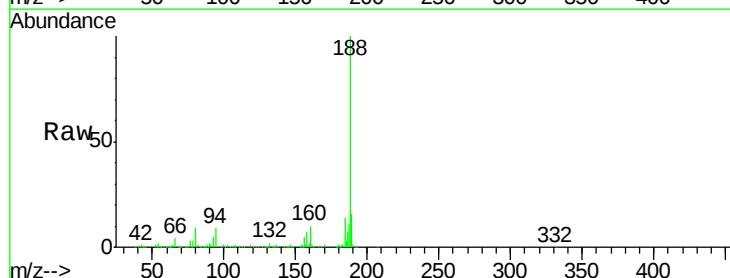
Tgt Ion:188 Resp: 364853

Ion Ratio Lower Upper

188 100

94 9.4 6.9 10.3

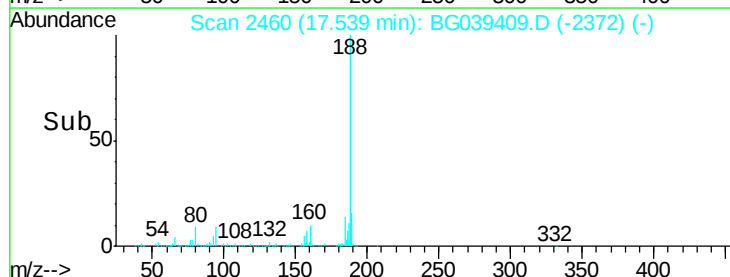
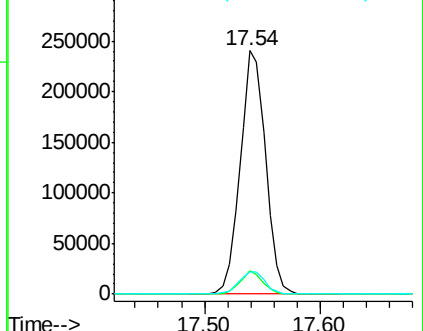
80 8.9 8.1 12.1

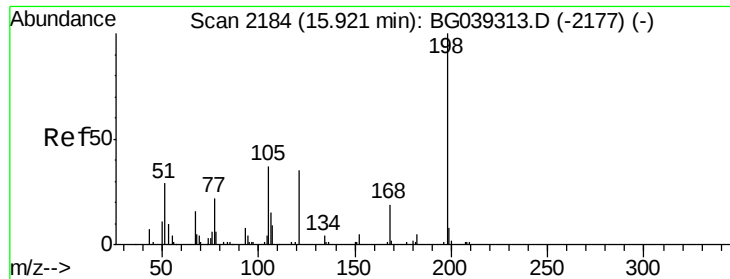


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

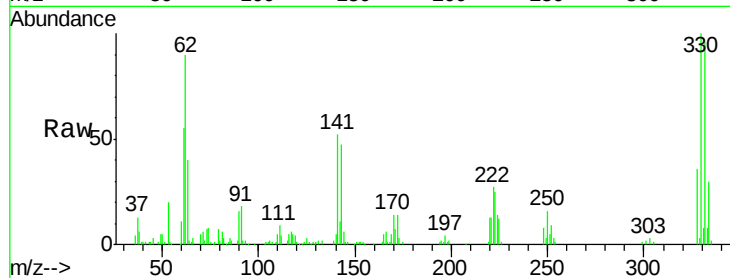




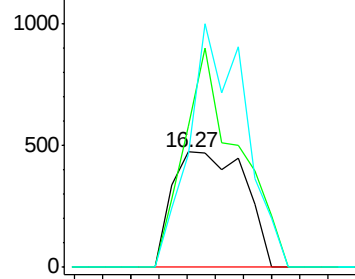
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.91 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. 0.35 min
 Lab File: BG039409.D
 Acq: 8 Feb 2019 9:25

Instrument :
 BNA_G
 ClientSampleId :
 RBR-200050

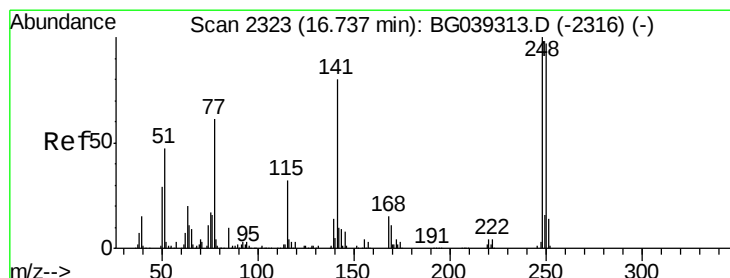
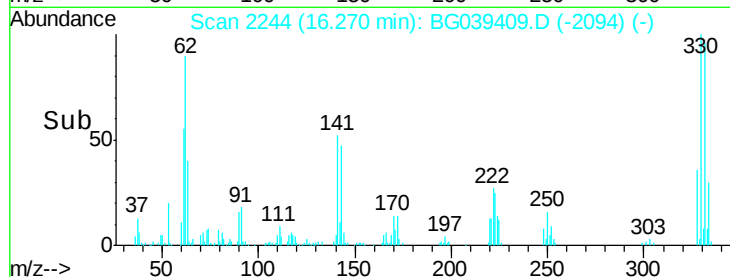
Tot Ion:198 Resp: 838
 Ion Ratio Lower Upper
 198 100
 51 122.5 27.4 67.4#
 105 97.9 19.7 59.7#



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

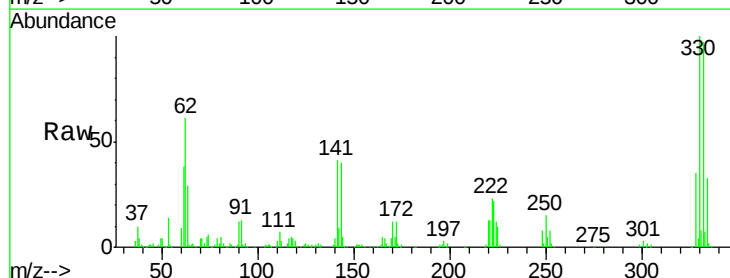


Time--> 16.25 16.30

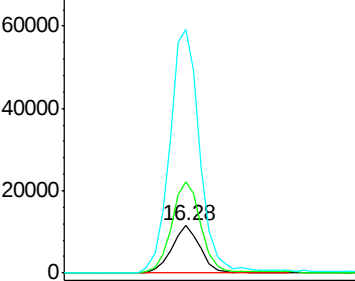


#67
 4-Bromophenyl-phenylether
 Concen: 4.26 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.46 min
 Lab File: BG039409.D
 Acq: 8 Feb 2019 9:25

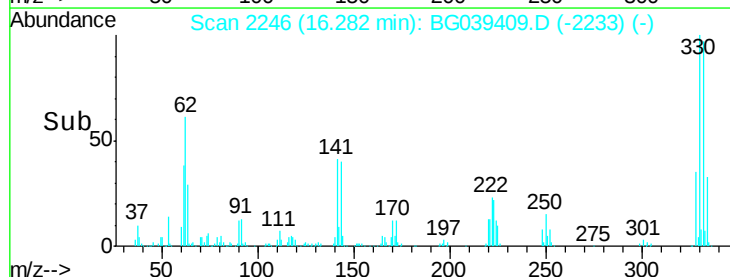
Tgt Ion:248 Resp: 17245
 Ion Ratio Lower Upper
 248 100
 250 190.8 77.6 116.4#
 141 511.9 63.9 95.9#

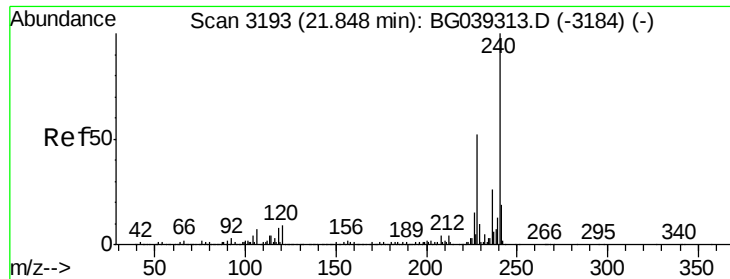


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E



Time--> 16.20 16.30

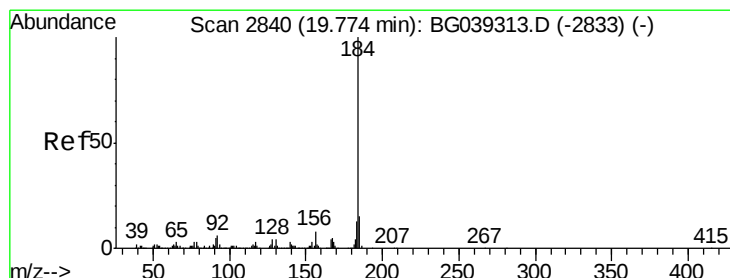
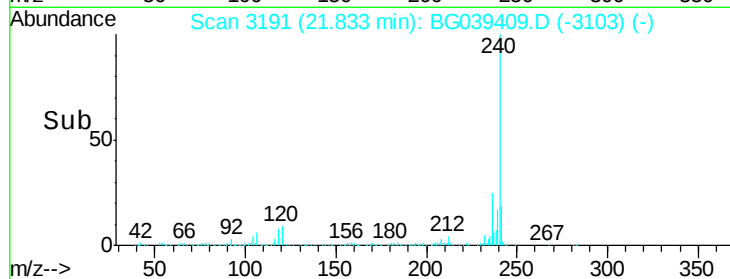
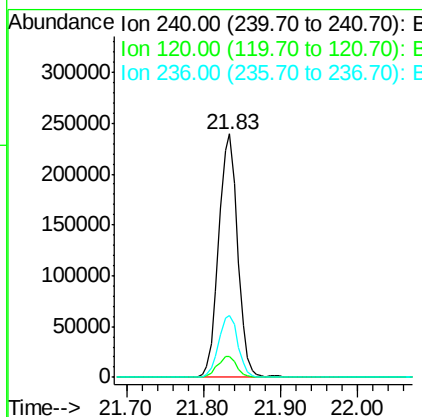
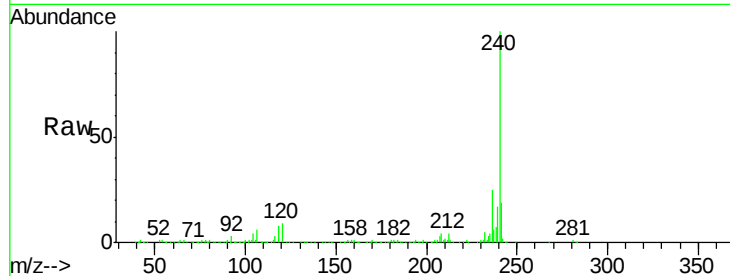




#76
 Chrvsene-d12
 Concen: 20.00 ng
 RT: 21.83 min Scan# 3191
 Delta R.T. -0.01 min
 Lab File: BG039409.D
 Acq: 8 Feb 2019 9:25

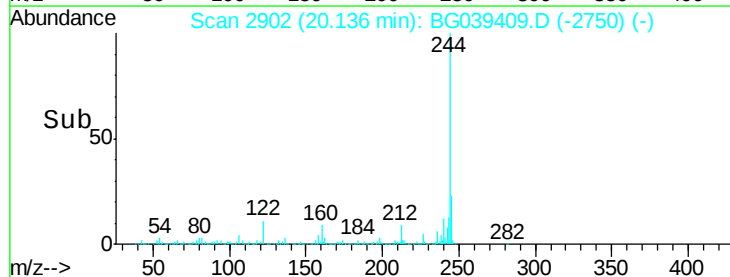
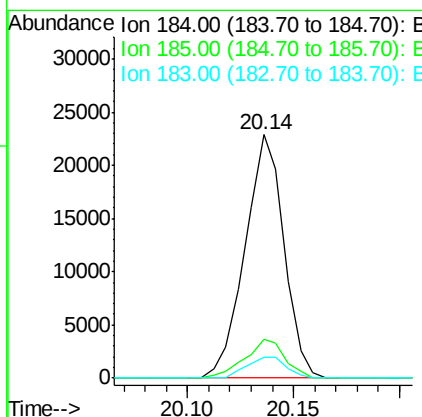
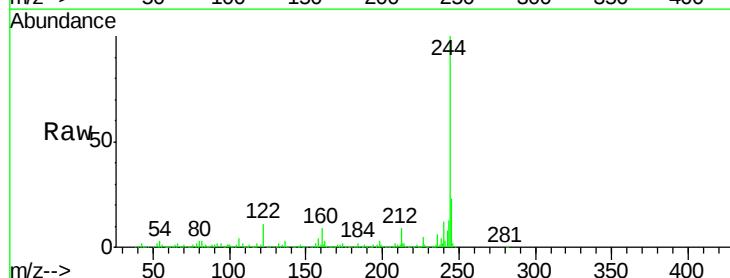
Instrument :
 BNA_G
 ClientSampleId :
 RBR-200050

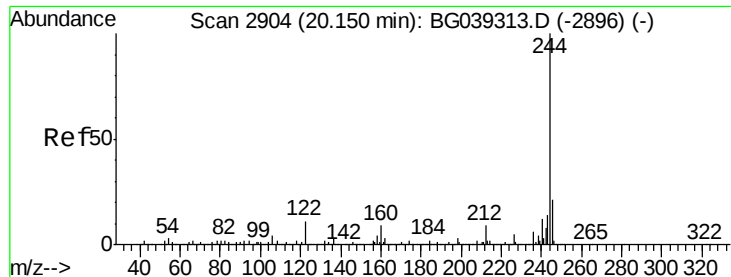
Tot Ion:240 Resp: 407520
 Ion Ratio Lower Upper
 240 100
 120 8.6 7.0 10.6
 236 25.4 21.0 31.4



#77
 Benzidine
 Concen: 2.18 ng
 RT: 20.14 min Scan# 2902
 Delta R.T. 0.36 min
 Lab File: BG039409.D
 Acq: 8 Feb 2019 9:25

Tgt Ion:184 Resp: 29189
 Ion Ratio Lower Upper
 184 100
 185 15.8 12.2 18.2
 183 8.6 10.6 15.8#





#79

Terphenyl-d14

Concen: 84.61 ng

RT: 20.14 min Scan# 2902

Delta R.T. -0.01 min

Lab File: BG039409.D

Acq: 8 Feb 2019 9:25

Instrument :

BNA_G

ClientSampleId :

RBR-200050

Tot Ion:244 Resp: 1628901

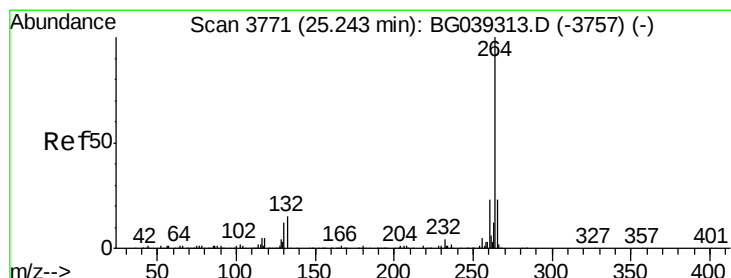
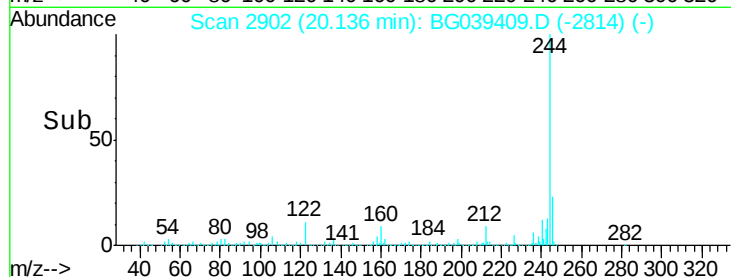
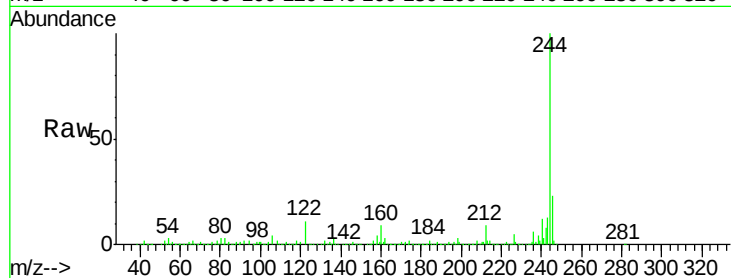
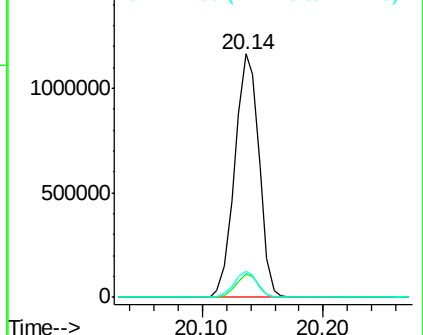
Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.3	10.9
122	10.9	8.4	12.6

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



#87

Perylene-d12

Concen: 20.00 ng

RT: 25.22 min Scan# 3768

Delta R.T. -0.02 min

Lab File: BG039409.D

Acq: 8 Feb 2019 9:25

Tgt Ion:264 Resp: 391105

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.2	27.4
265	21.3	18.5	27.7

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

