

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG012519\
 Data File : BG039295.D
 Acq On : 26 Jan 2019 3:52
 Operator : JU/SJ
 Sample : K1231-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RBR-200029

Quant Time: Jan 28 03:16:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 18 04:20:14 2019
 Response via : Initial Calibration

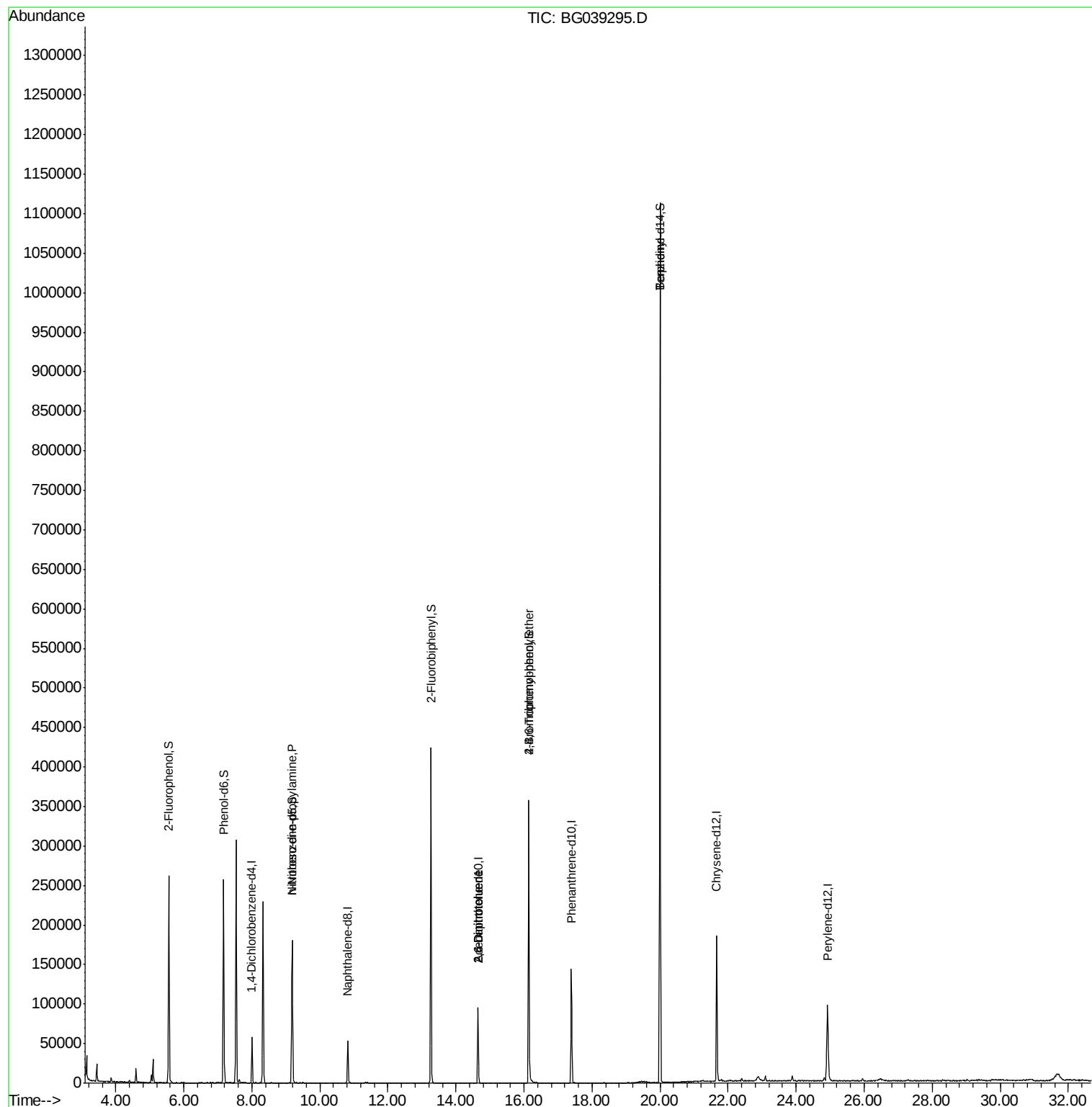
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	17876	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	50558	20.00	ng	-0.01
39) Acenaphthene-d10	14.65	164	36007	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	102745	20.00	ng	-0.01
76) Chrysene-d12	21.66	240	121893	20.00	ng	-0.02
87) Perylene-d12	24.92	264	125898	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	104987	111.41	ng	0.00
7) Phenol-d6	7.17	99	161563	119.13	ng	0.00
23) Nitrobenzene-d5	9.18	82	116080	125.63	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	87317	144.67	ng	-0.01
45) 2-Fluorobiphenyl	13.26	172	236419	89.86	ng	-0.01
79) Terphenyl-d14	20.00	244	574669	87.21	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	14777	16.593	ng	# 61
51) 2,6-Dinitrotoluene	14.65	165	4386	6.447	ng	# 24
57) 2,4-Dinitrotoluene	14.65	165	4386	4.494	ng	# 26
67) 4-Bromophenyl-phenylether	16.14	248	5531	4.188	ng	# 1
77) Benzidine	20.00	184	9071	2.433	ng	# 94

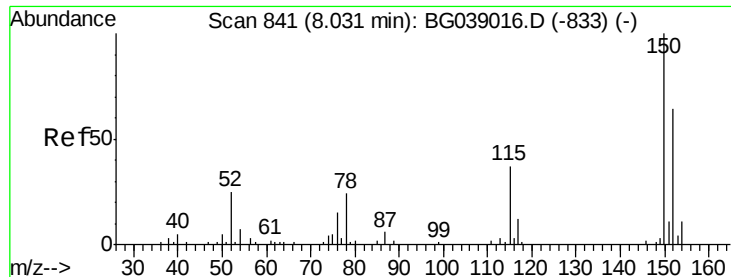
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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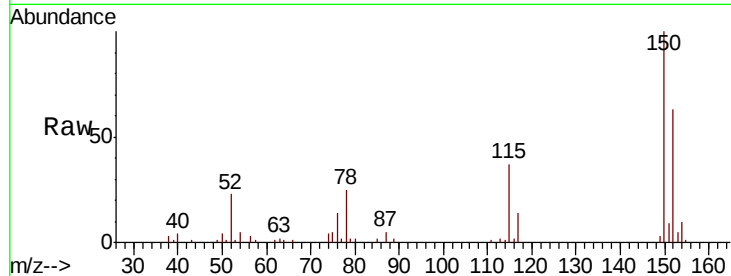


#1

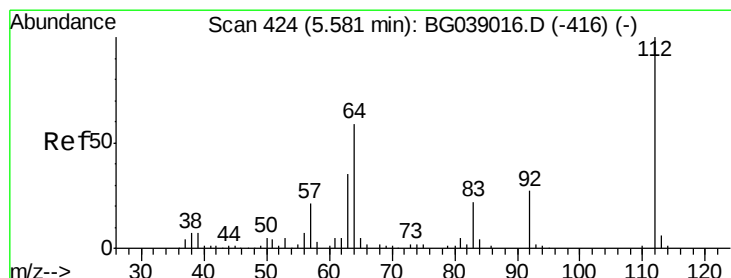
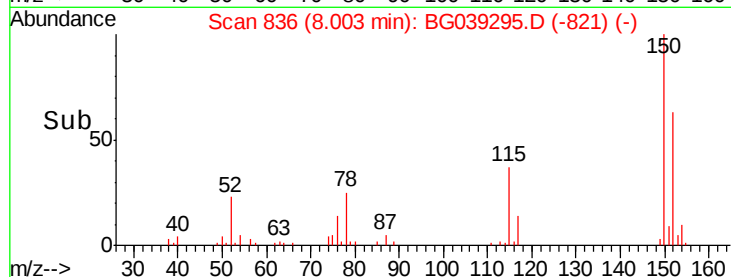
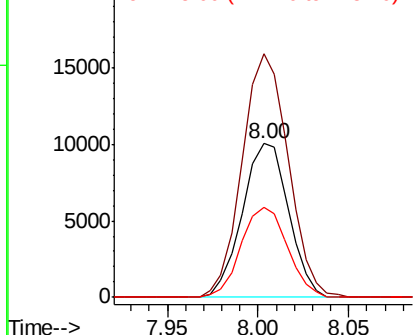
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG039295.D
Acq: 26 Jan 2019 3:52

Instrument :
BNA_G
ClientSampleId :
RBR-200029

Tgt Ion:152 Resp: 17876
Ion Ratio Lower Upper
152 100
150 158.2 124.7 187.1
115 58.8 46.5 69.7



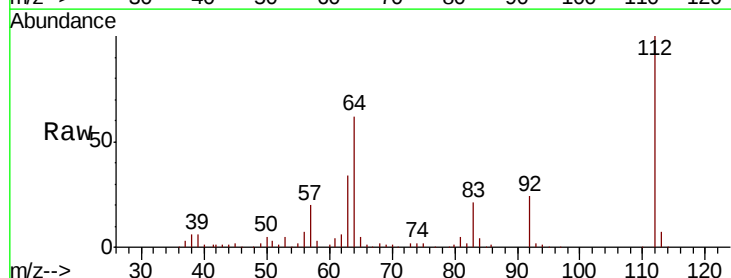
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



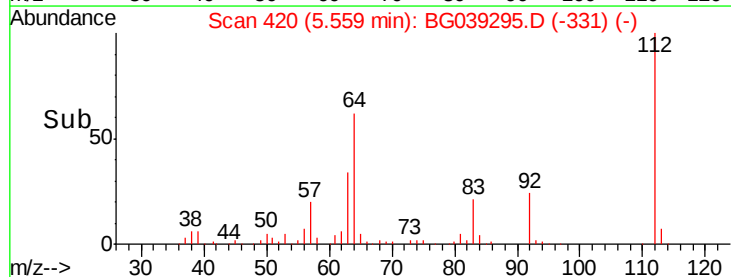
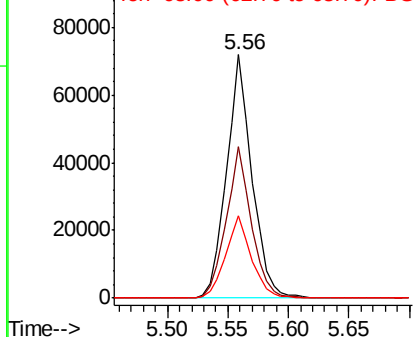
#5

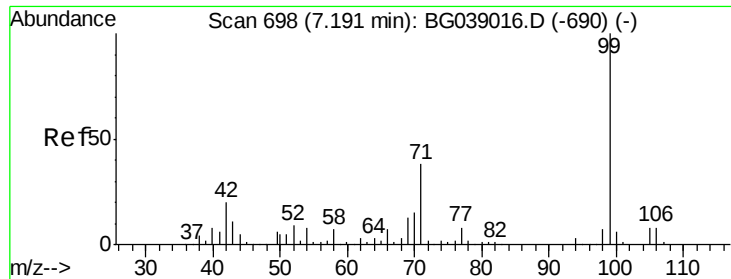
2-Fluorophenol
Concen: 111.411 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.01 min
Lab File: BG039295.D
Acq: 26 Jan 2019 3:52

Tgt Ion:112 Resp: 104987
Ion Ratio Lower Upper
112 100
64 62.4 47.0 70.6
63 33.6 28.0 42.0



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: 119.134 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG039295.D

Acq: 26 Jan 2019 3:52

Instrument :

BNA_G

ClientSampleId :

RBR-200029

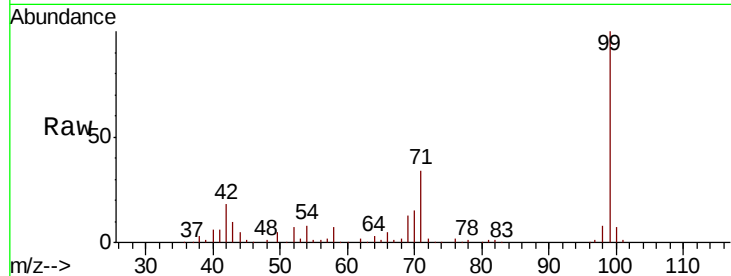
Tgt Ion: 99 Resp: 161563

Ion Ratio Lower Upper

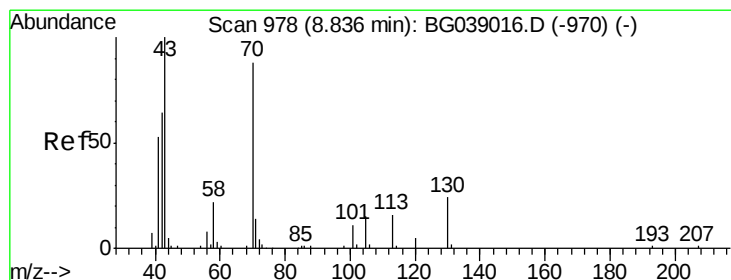
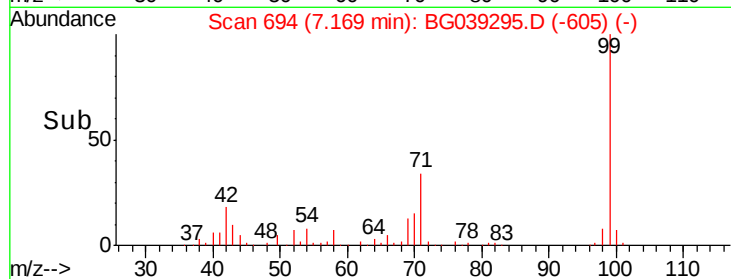
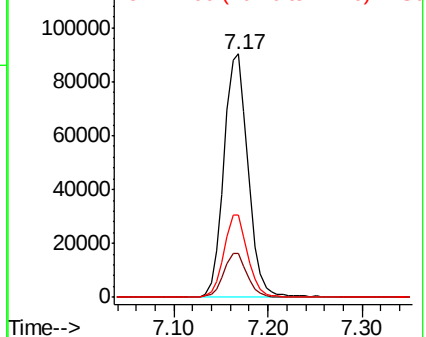
99 100

42 17.9 15.8 23.6

71 34.0 30.2 45.4



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: 16.593 ng

RT: 9.18 min Scan# 1036

Delta R.T. 0.36 min

Lab File: BG039295.D

Acq: 26 Jan 2019 3:52

Tgt Ion: 70 Resp: 14777

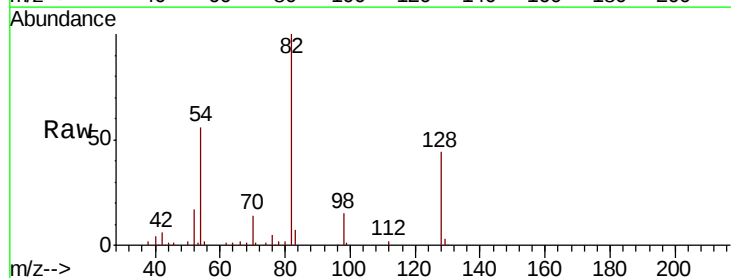
Ion Ratio Lower Upper

70 100

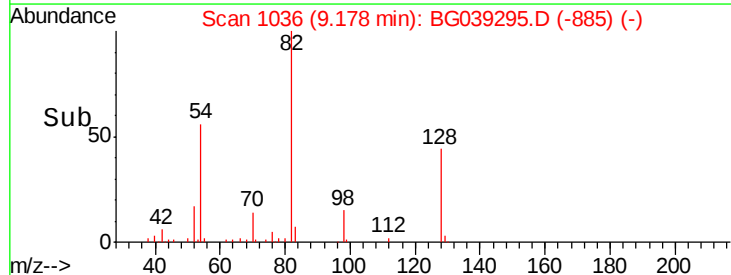
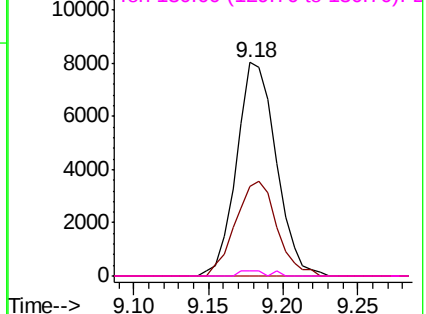
42 42.1 59.0 88.4#

101 0.0 10.4 15.6#

130 2.4 21.6 32.4#



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

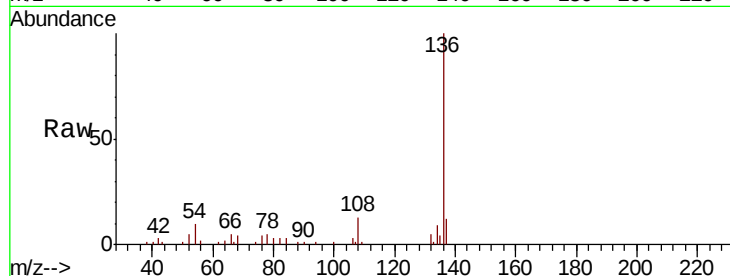




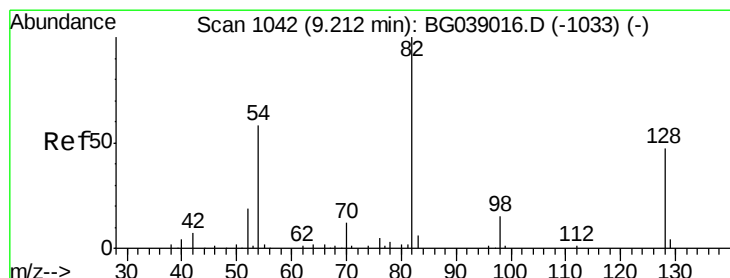
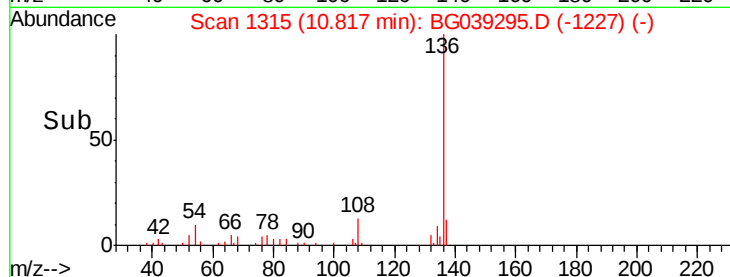
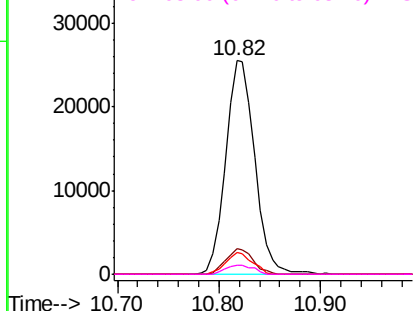
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BG039295.D
Acq: 26 Jan 2019 3:52

Instrument :
BNA_G
ClientSampleId :
RBR-200029

Tgt Ion:	136	Resp:	50558
Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.4	14.2
54	10.2	7.2	10.8
68	4.3	3.5	5.3

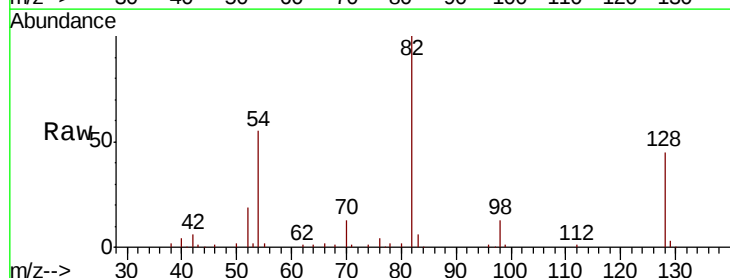


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

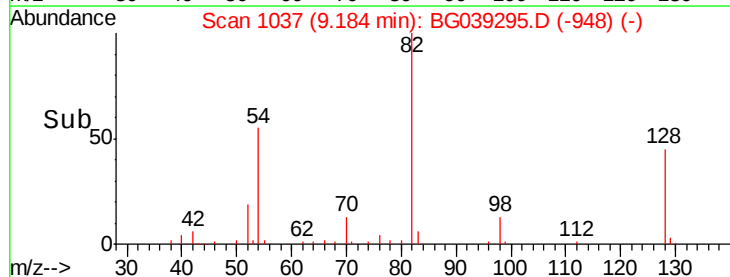
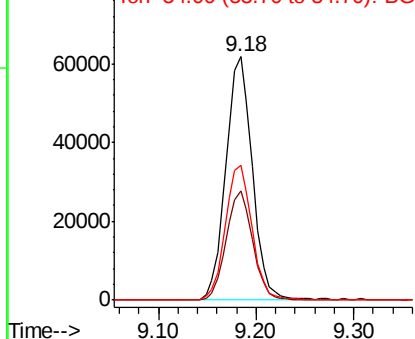


#23
Nitrobenzene-d5
Concen: 125.635 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BG039295.D
Acq: 26 Jan 2019 3:52

Tgt Ion:	82	Resp:	116080
Ion	Ratio	Lower	Upper
82	100		
128	44.8	37.3	55.9
54	55.3	46.4	69.6



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1967

Delta R.T. -0.01 min

Lab File: BG039295.D

Acq: 26 Jan 2019 3:52

Instrument :

BNA_G

ClientSampleId :

RBR-200029

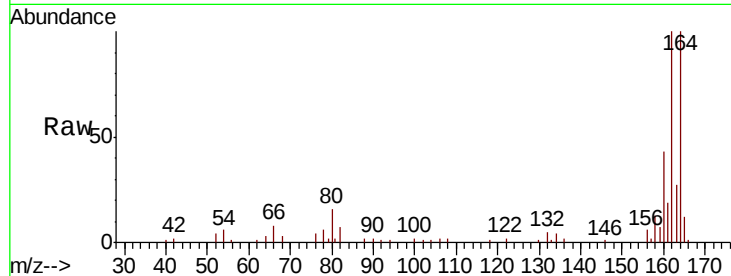
Tgt Ion:164 Resp: 36007

Ion Ratio Lower Upper

164 100

162 100.0 87.2 130.8

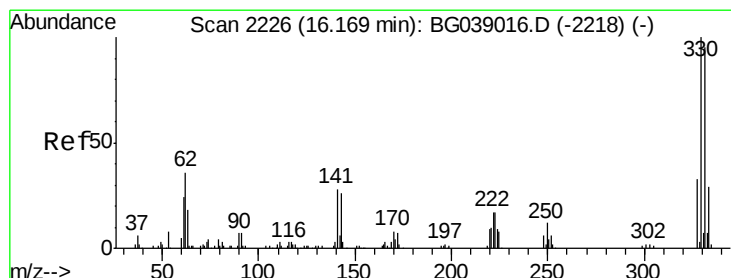
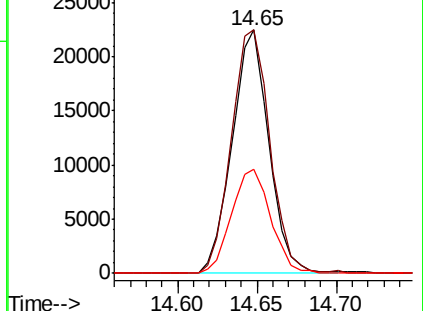
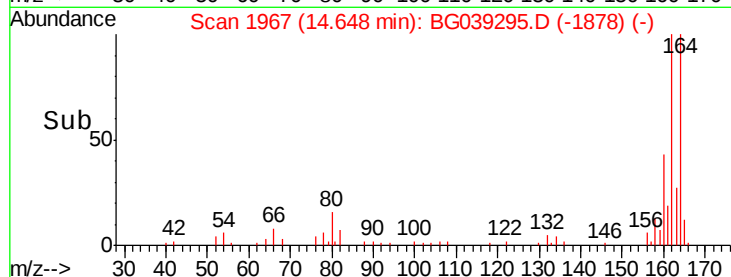
160 42.8 33.3 49.9



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: 144.666 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.01 min

Lab File: BG039295.D

Acq: 26 Jan 2019 3:52

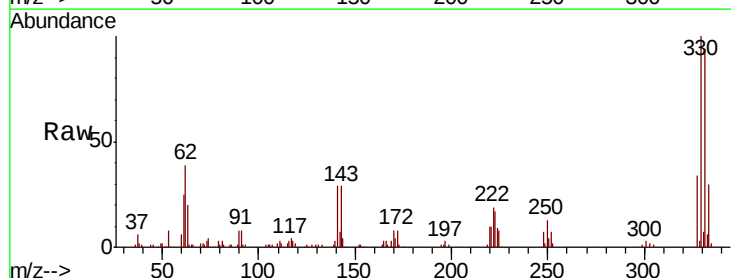
Tgt Ion:330 Resp: 87317

Ion Ratio Lower Upper

330 100

332 95.1 75.7 113.5

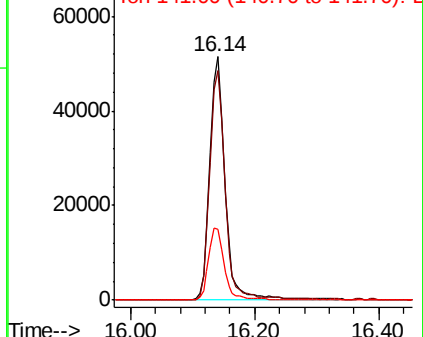
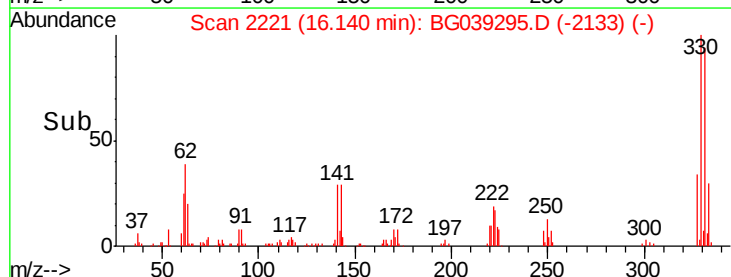
141 30.4 24.9 37.3



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

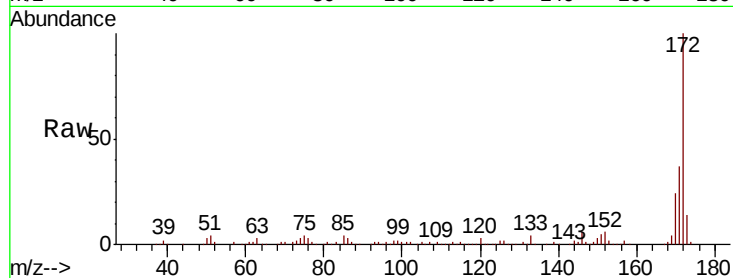




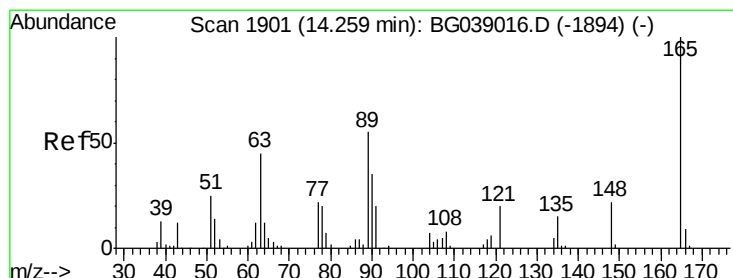
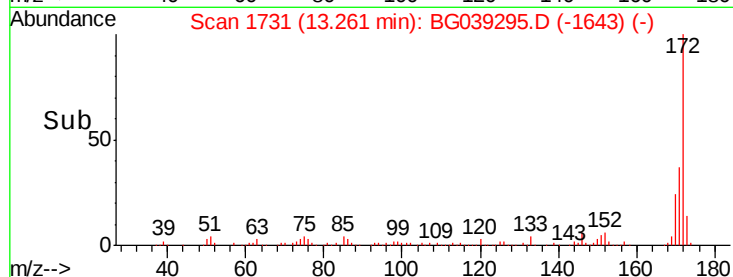
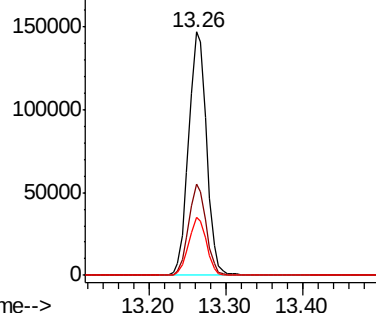
#45
 2-Fluorobiphenyl
 Concen: 89.859 ng
 RT: 13.26 min Scan# 1731
 Delta R.T. -0.01 min
 Lab File: BG039295.D
 Acq: 26 Jan 2019 3:52

Instrument :
 BNA_G
 ClientSampleId :
 RBR-200029

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.4	44.0
170	23.9	20.1	30.1

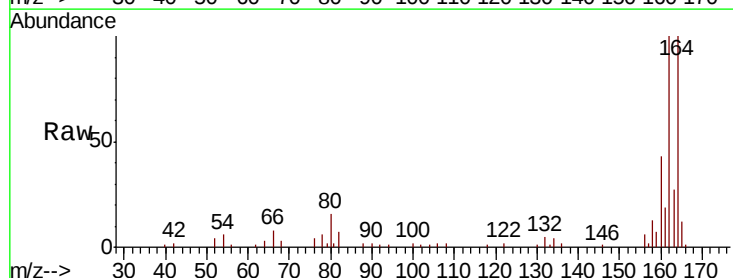


Abundance Ion 172.00 (171.70 to 172.70): E
 200000
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

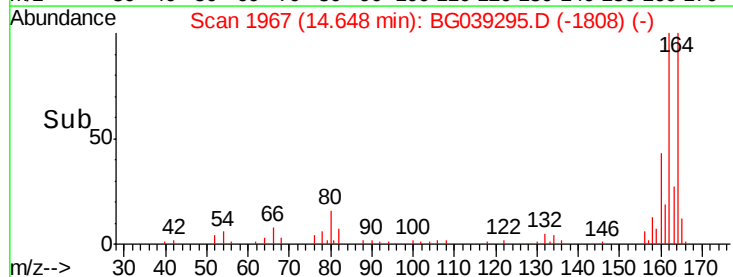
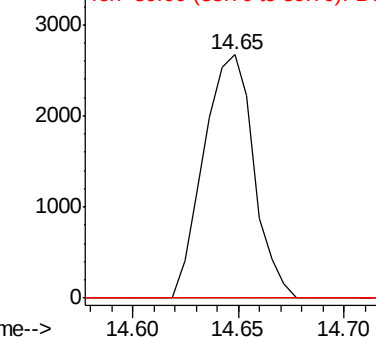


#51
 2,6-Dinitrotoluene
 Concen: 6.447 ng
 RT: 14.65 min Scan# 1967
 Delta R.T. 0.41 min
 Lab File: BG039295.D
 Acq: 26 Jan 2019 3:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.6	65.4#
89	0.0	43.7	65.5#



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

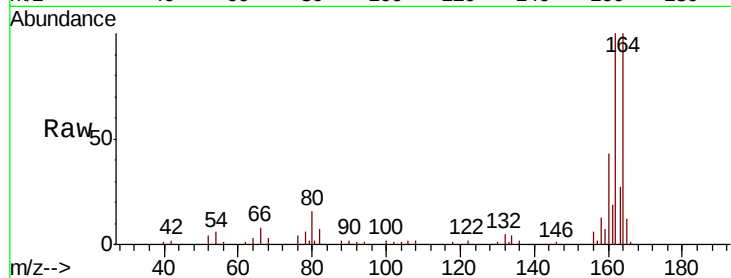




#57
 2,4-Dinitrotoluene
 Concen: 4.494 ng
 RT: 14.65 min Scan# 1967
 Delta R.T. -0.38 min
 Lab File: BG039295.D
 Acq: 26 Jan 2019 3:52

Instrument :
 BNA_G
 ClientSampleId :
 RBR-200029

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.2	45.4#
89	0.0	53.2	79.8#
182	0.0	2.7	4.1#

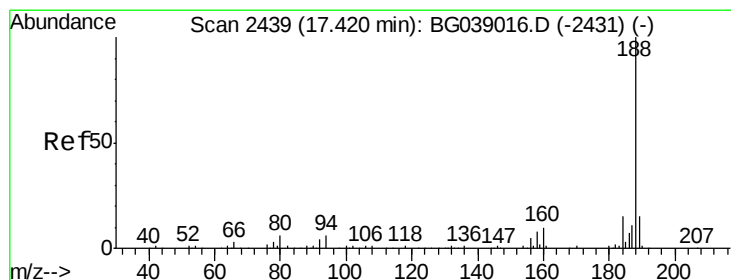
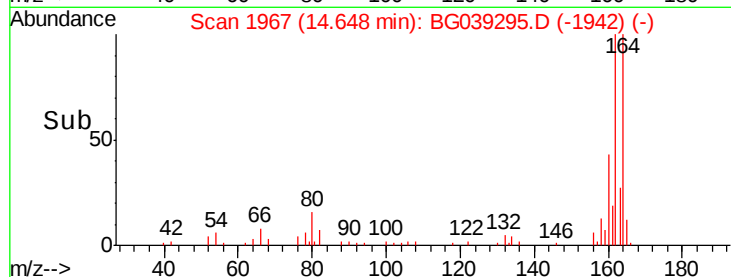
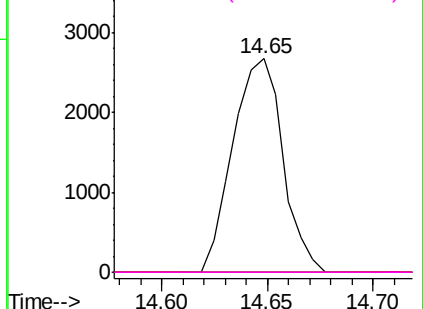


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

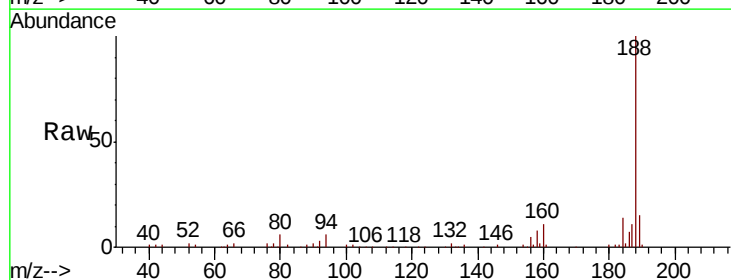
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2434
 Delta R.T. -0.01 min
 Lab File: BG039295.D
 Acq: 26 Jan 2019 3:52

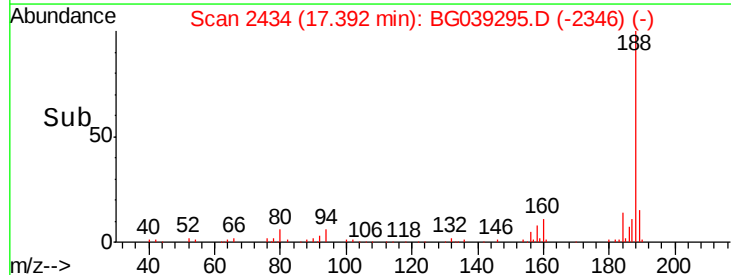
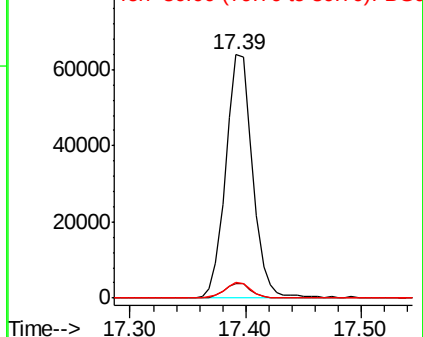
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.8	5.0	7.4
80	6.5	4.7	7.1

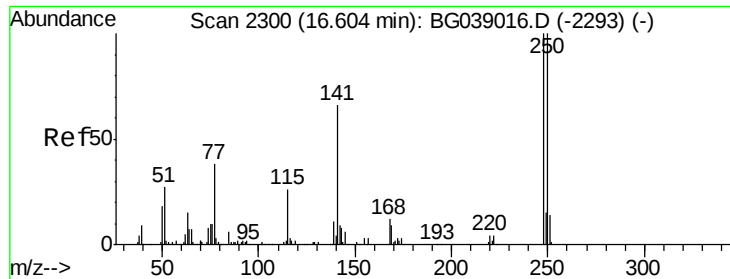


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

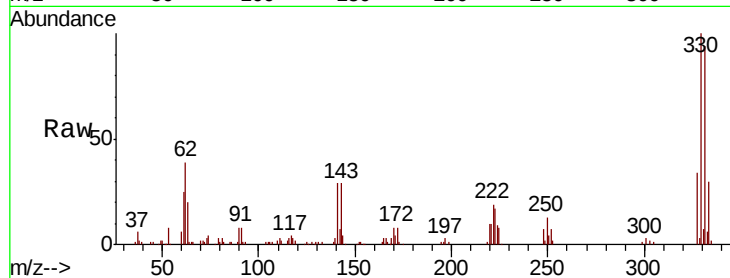




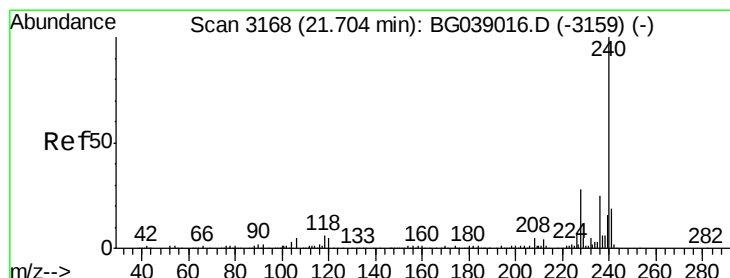
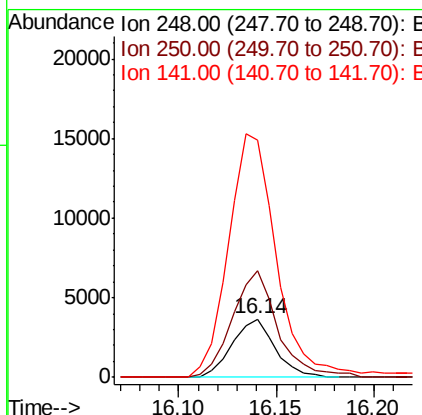
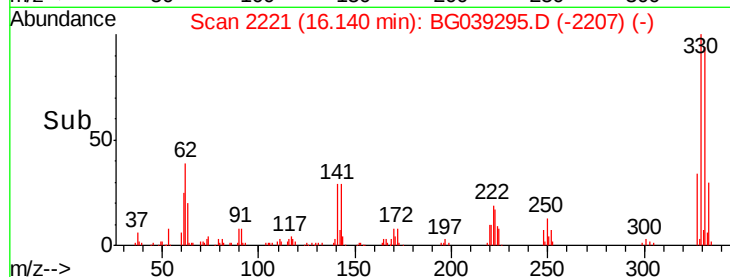
#67
 4-Bromophenyl-phenylether
 Concen: 4.188 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. -0.45 min
 Lab File: BG039295.D
 Acq: 26 Jan 2019 3:52

Instrument :
 BNA_G
 ClientSampleId :
 RBR-200029

Tgt Ion: 248 Resp: 5531
 Ion Ratio Lower Upper
 248 100
 250 186.9 79.9 119.9#
 141 311.3 52.7 79.1#

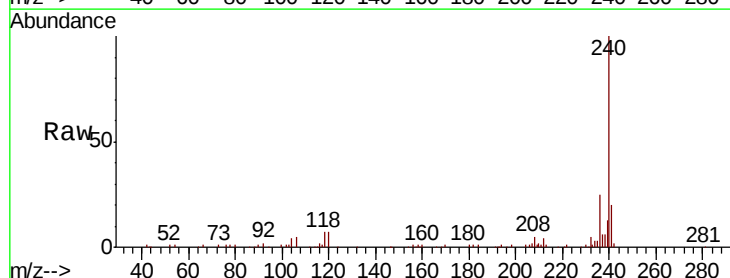


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

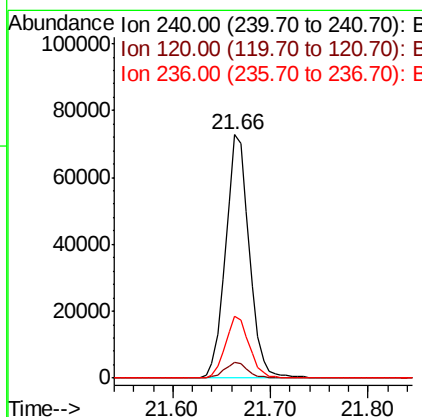
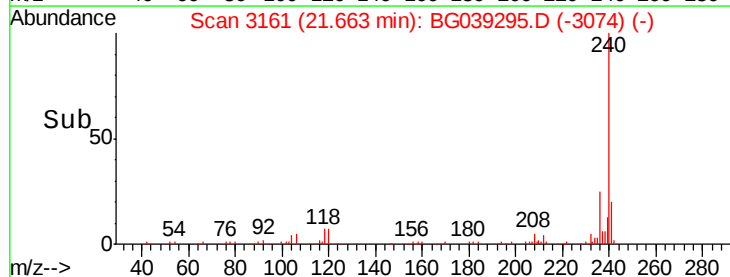


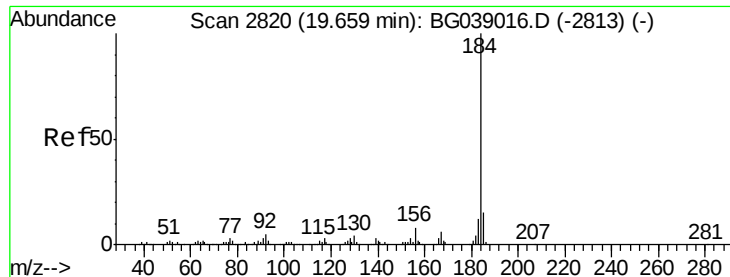
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.66 min Scan# 3161
 Delta R.T. -0.02 min
 Lab File: BG039295.D
 Acq: 26 Jan 2019 3:52

Tgt Ion: 240 Resp: 121893
 Ion Ratio Lower Upper
 240 100
 120 6.7 4.3 6.5#
 236 25.3 20.1 30.1



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





#77

Benzidine

Concen: 2.433 ng

RT: 20.00 min Scan# 2878

Delta R.T. 0.36 min

Lab File: BG039295.D

Acq: 26 Jan 2019 3:52

Instrument :

BNA_G

ClientSampleId :

RBR-200029

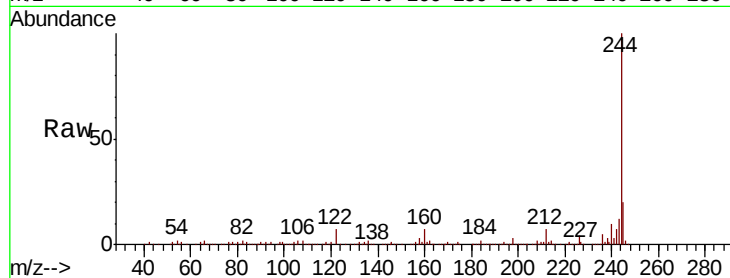
Tgt Ion:184 Resp: 9071

Ion Ratio Lower Upper

184 100

185 18.3 12.1 18.1#

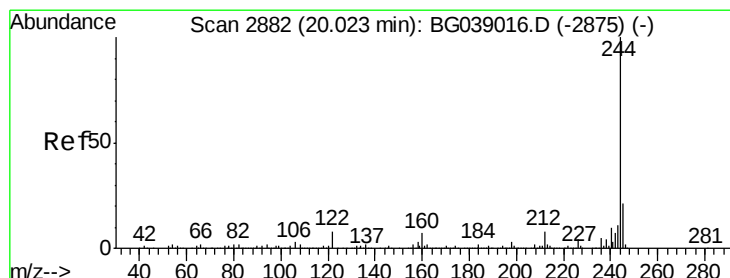
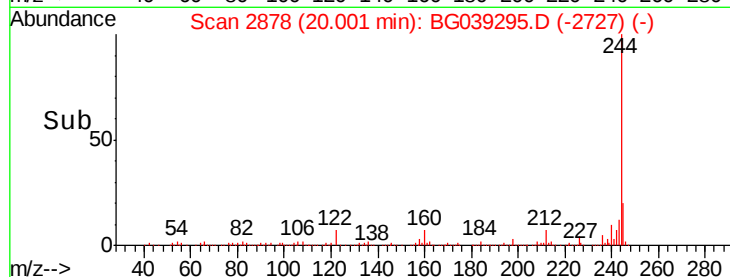
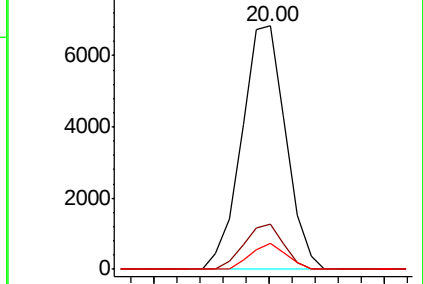
183 10.8 9.5 14.3



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



#79

Terphenyl-d14

Concen: 87.214 ng

RT: 20.00 min Scan# 2878

Delta R.T. -0.01 min

Lab File: BG039295.D

Acq: 26 Jan 2019 3:52

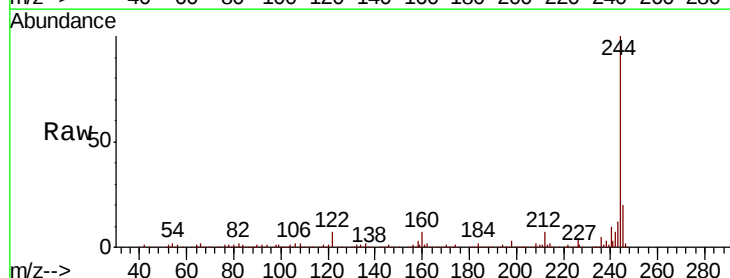
Tgt Ion:244 Resp: 574669

Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

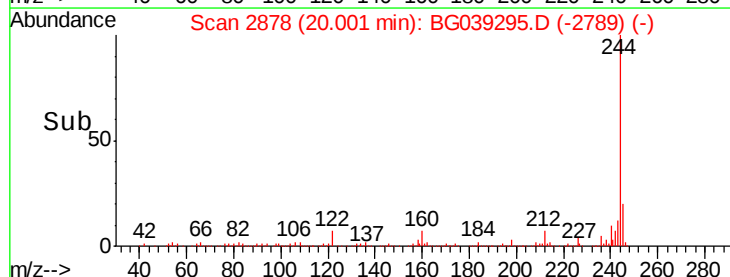
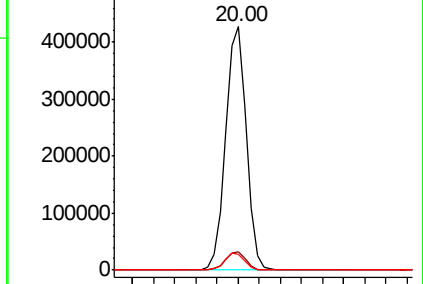
122 6.5 6.1 9.1

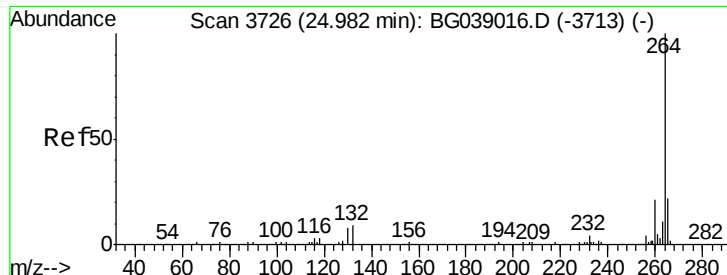


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

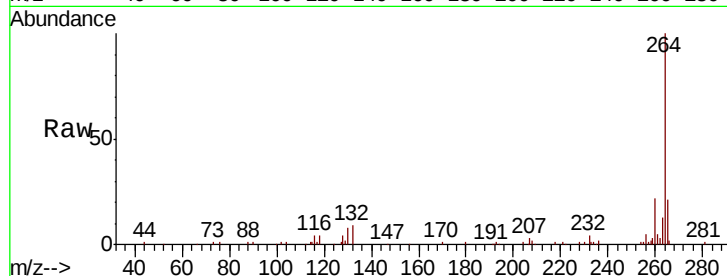




#87
Perylene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3716
Delta R.T. -0.02 min
Lab File: BG039295.D
Acq: 26 Jan 2019 3:52

Instrument :
BNA_G
ClientSampleId :
RBR-200029

Tgt Ion:	264	Resp:	125898
Ion	Ratio	Lower	Upper
264	100		
260	22.0	17.0	25.6
265	21.0	17.2	25.8



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

