

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022519\
 Data File : BG039595.D
 Acq On : 25 Feb 2019 20:29
 Operator : JU/SJ
 Sample : K1348-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-03-022219-A

Quant Time: Feb 25 21:43:44 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	8.17	152	52251	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	230731	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	156717	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	378550	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	381396	20.00	ng	-0.02
87) Perylene-d12	25.21	264	293528	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.72	112	423757	138.80	ng	0.00
7) Phenol-d6	7.31	99	560029	124.62	ng	0.00
23) Nitrobenzene-d5	9.35	82	390596	105.76	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	142536	84.46	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	939330	85.98	ng	-0.02
79) Terphenyl-d14	20.13	244	1486399	82.49	ng	-0.02

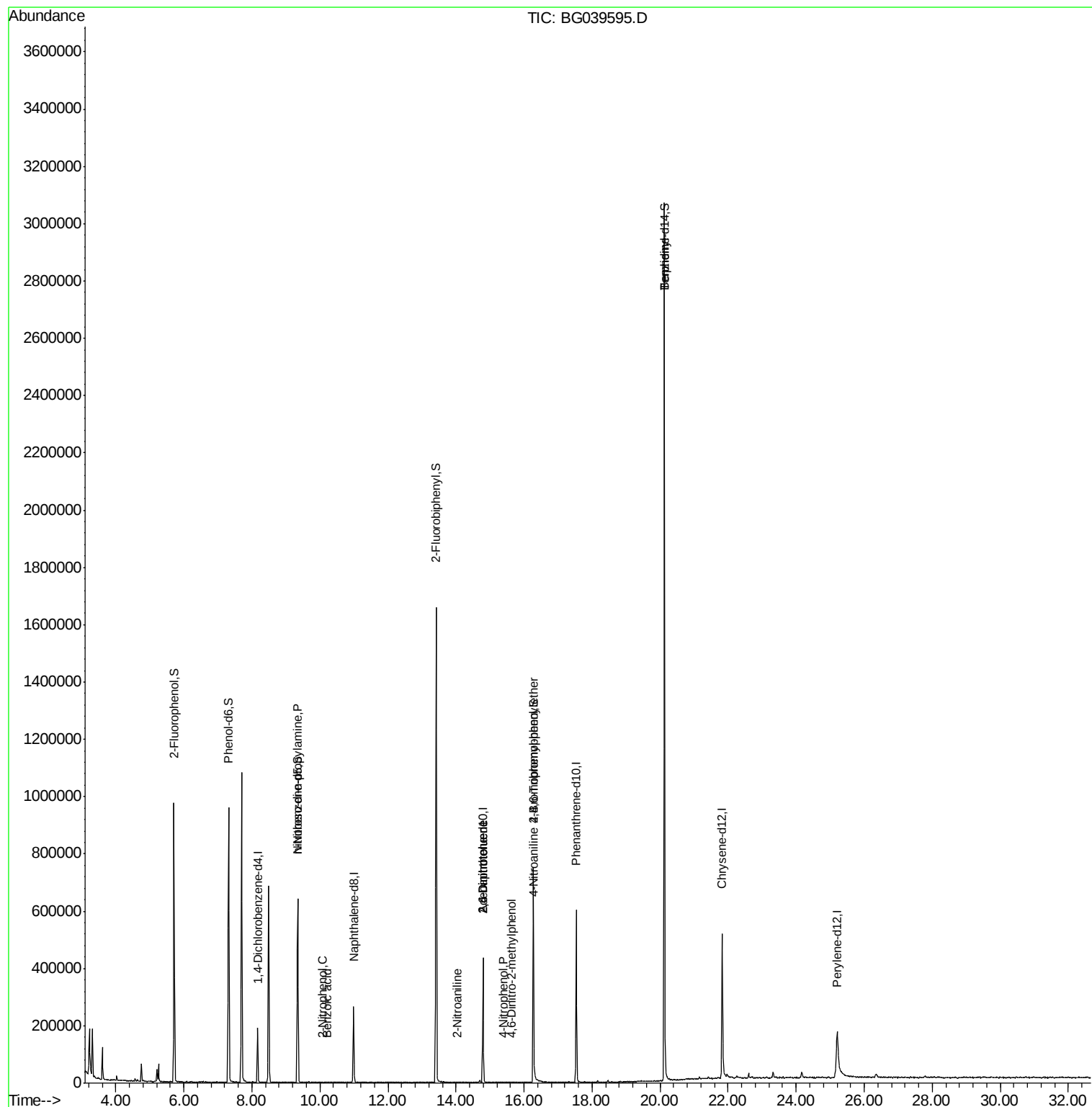
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	966	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.35	70	51144	16.035	ng	# 72
26) 2-Nitrophenol	10.07	139	61	4.051	ng	# 31
32) Benzoic acid	10.23	122	380	9.163	ng	# 90
48) 2-Nitroaniline	14.03	65	60	8.314	ng	# 10
51) 2,6-Dinitrotoluene	14.79	165	20134	13.907	ng	# 22
56) 4-Nitrophenol	15.39	139	59	5.818	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	20134	13.387	ng	# 17
62) 4-Nitroaniline	16.29	138	53	4.221	ng	# 1
65) 4,6-Dinitro-2-methylphenol	15.64	198	57	4.218	ng	# 32
67) 4-Bromophenyl-phenylether	16.27	248	11051	2.631	ng	# 1
77) Benzidine	20.13	184	26114	2.088	ng	# 92

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

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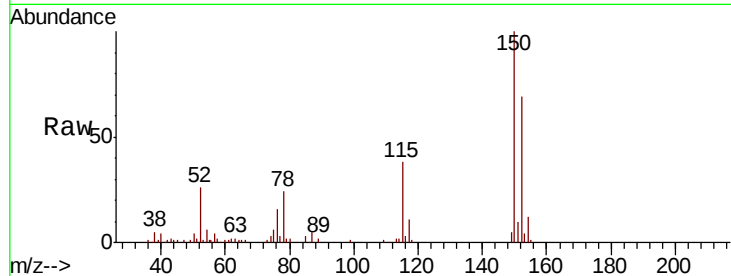


#1

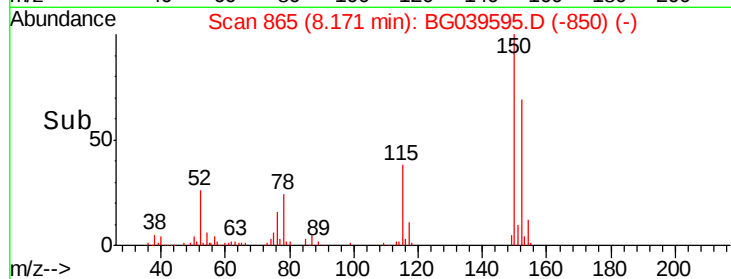
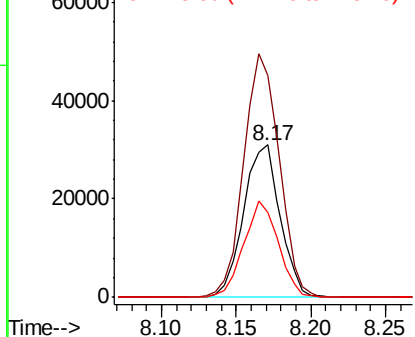
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039595.D
Acq: 25 Feb 2019 20:29

Instrument :
BNA_G
ClientSampleId :
OK-03-022219-A

Tgt Ion:152 Resp: 52251
Ion Ratio Lower Upper
152 100
150 145.8 123.7 185.5
115 55.8 45.9 68.9



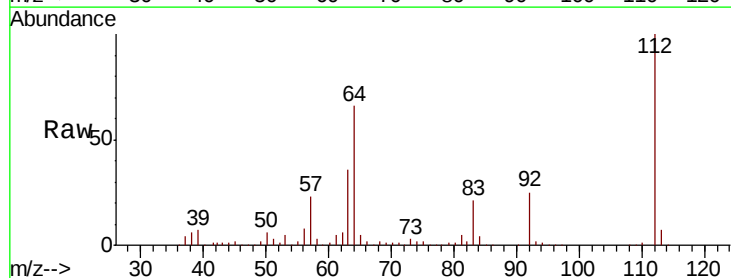
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



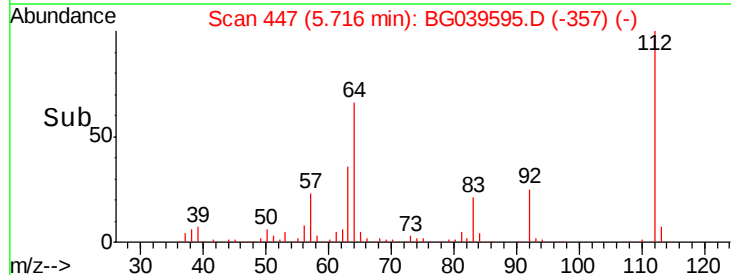
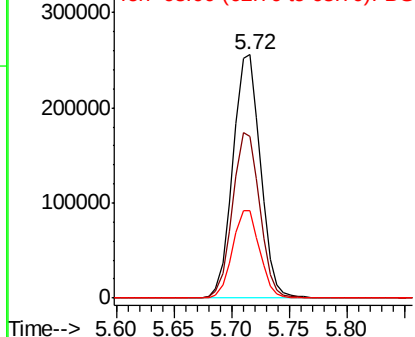
#5

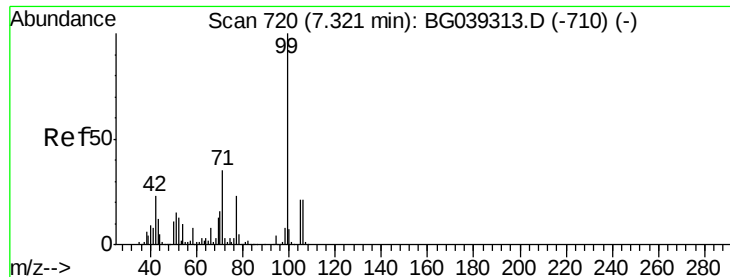
2-Fluorophenol
Concen: 138.804 ng
RT: 5.72 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039595.D
Acq: 25 Feb 2019 20:29

Tgt Ion:112 Resp: 423757
Ion Ratio Lower Upper
112 100
64 66.3 57.8 86.8
63 36.1 29.8 44.6



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: 124.622 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039595.D

Acq: 25 Feb 2019 20:29

Instrument :

BNA_G

ClientSampleId :

OK-03-022219-A

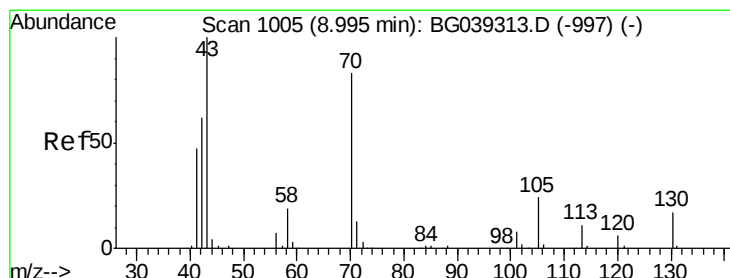
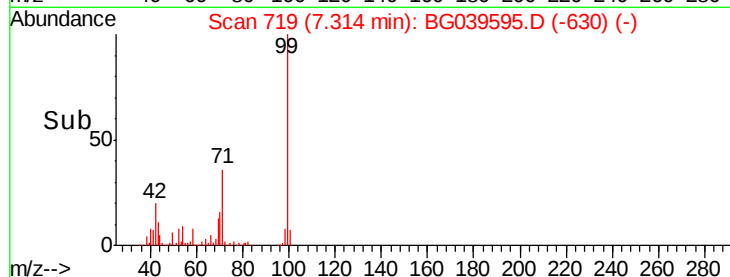
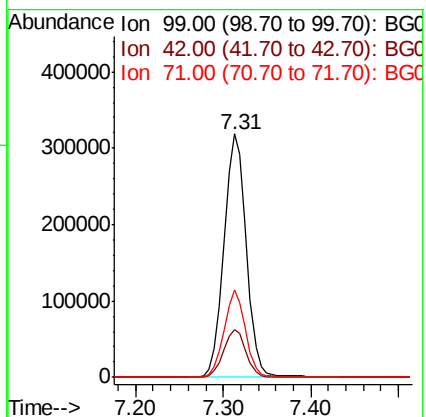
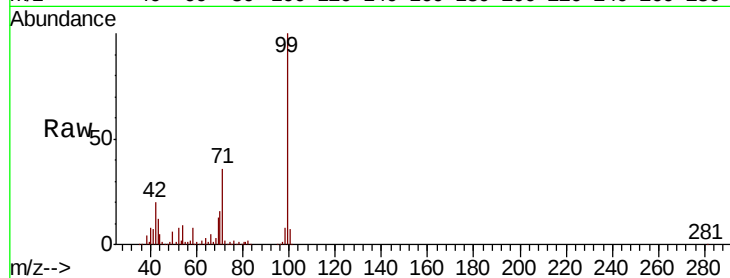
Tgt Ion: 99 Resp: 560029

Ion Ratio Lower Upper

99 100

42 19.7 18.2 27.2

71 36.0 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 16.035 ng

RT: 9.35 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039595.D

Acq: 25 Feb 2019 20:29

Tgt Ion: 70 Resp: 51144

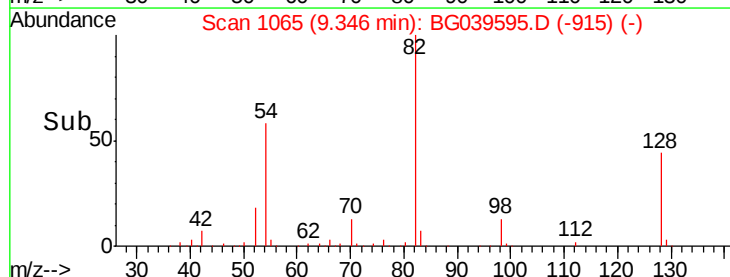
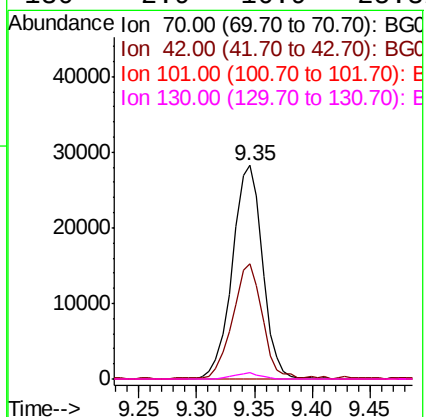
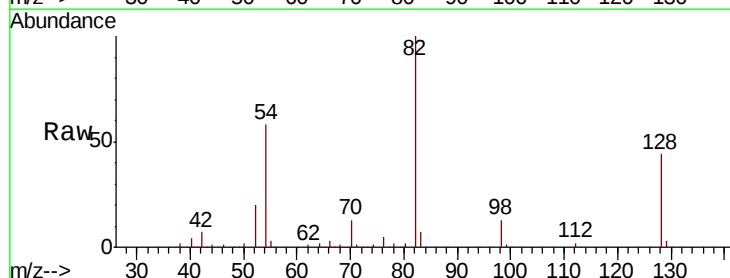
Ion Ratio Lower Upper

70 100

42 54.0 60.4 90.6#

101 0.0 7.5 11.3#

130 2.9 16.9 25.3#

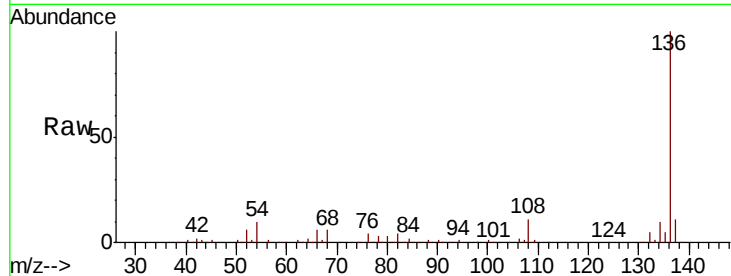




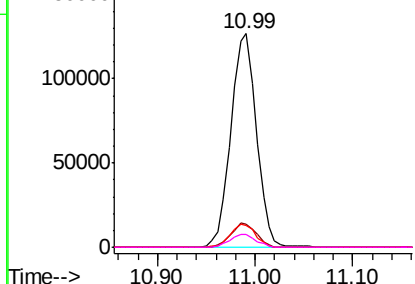
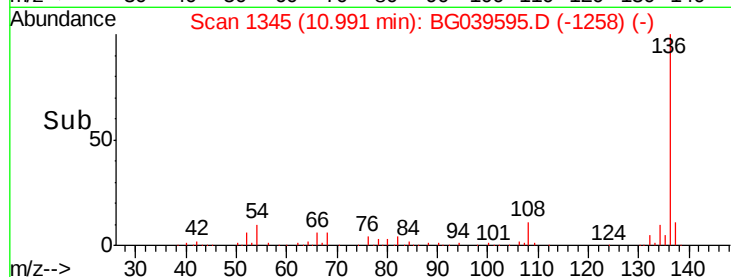
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039595.D
Acq: 25 Feb 2019 20:29

Instrument :
BNA_G
ClientSampleId :
OK-03-022219-A

Tgt Ion:	136	Resp:	230731
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	10.2	9.4	14.2
68	5.8	4.2	6.4

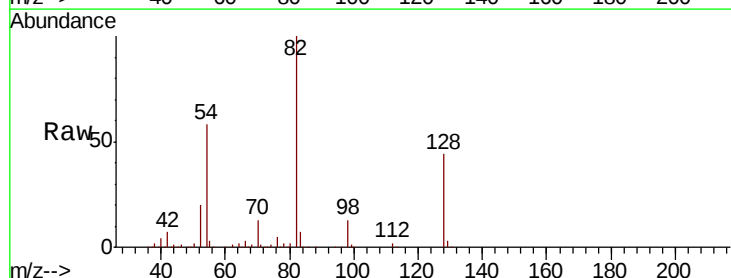


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

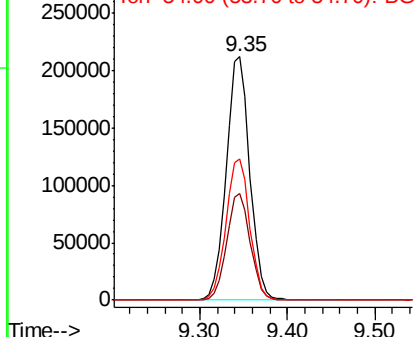
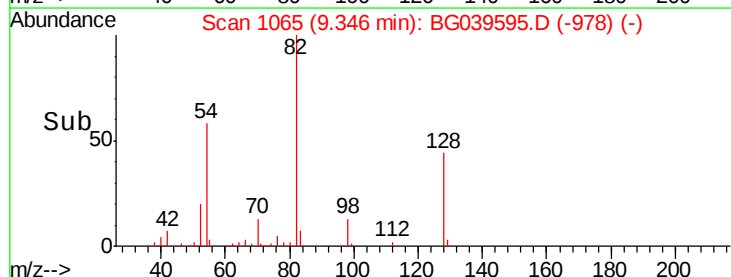


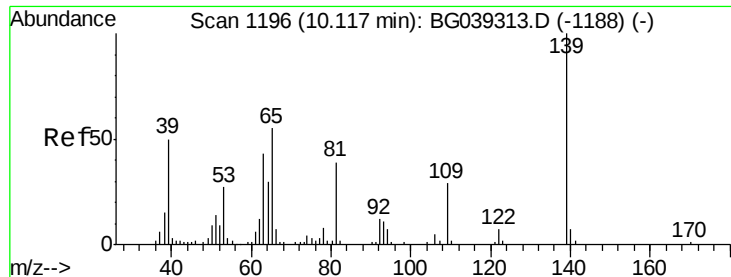
#23
Nitrobenzene-d5
Concen: 105.756 ng
RT: 9.35 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039595.D
Acq: 25 Feb 2019 20:29

Tgt Ion:	82	Resp:	390596
Ion	Ratio	Lower	Upper
82	100		
128	43.8	31.3	46.9
54	58.2	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

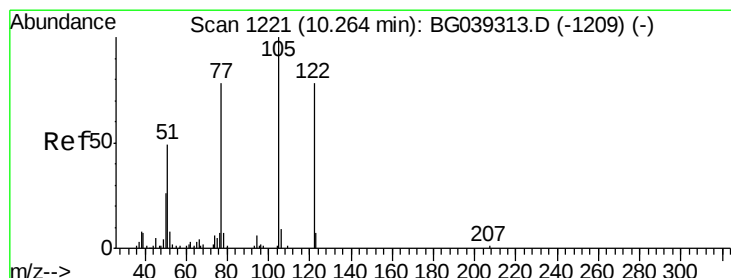
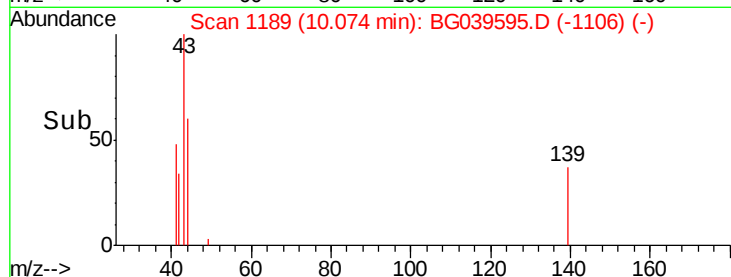
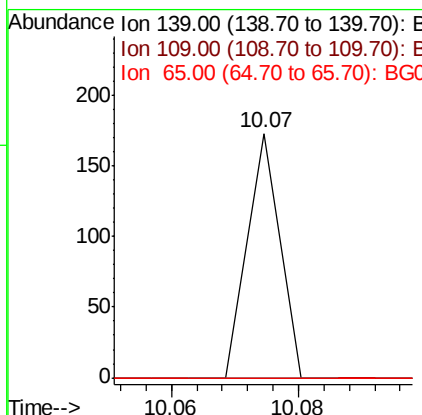
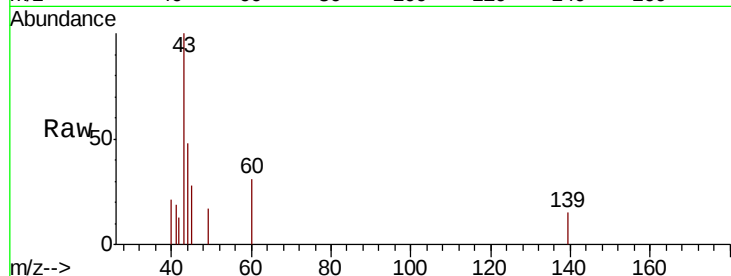




#26
 2-Nitrophenol
 Concen: 4.051 ng
 RT: 10.07 min Scan# 1189
 Delta R.T. -0.04 min
 Lab File: BG039595.D
 Acq: 25 Feb 2019 20:29

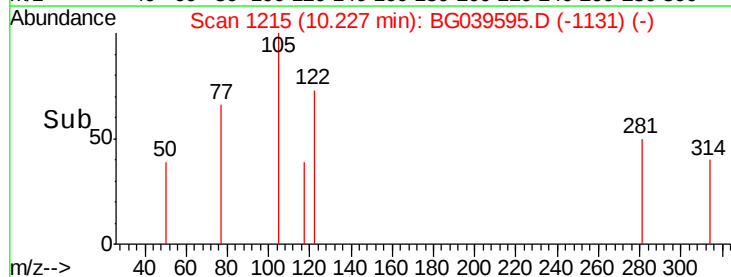
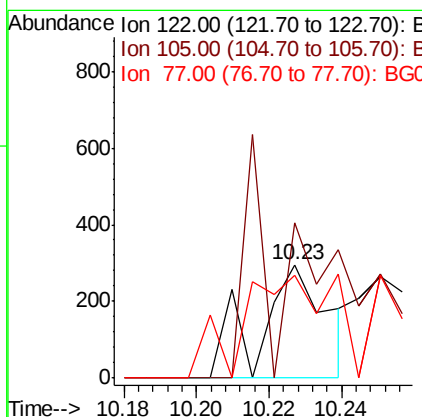
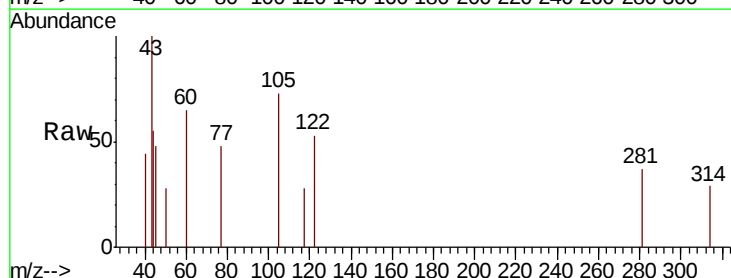
Instrument :
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 ClientSampleId :
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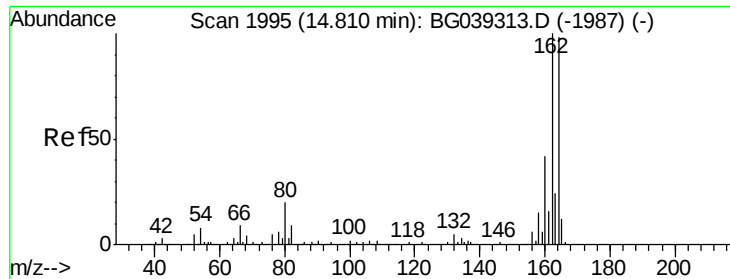
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	23.4	35.0#
65	0.0	44.3	66.5#



#32
 Benzoic acid
 Concen: 9.163 ng
 RT: 10.23 min Scan# 1215
 Delta R.T. -0.04 min
 Lab File: BG039595.D
 Acq: 25 Feb 2019 20:29

Tgt Ion	Ratio	Lower	Upper
122	100		
105	137.2	101.8	141.8
77	90.9	76.3	116.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.02 min

Lab File: BG039595.D

Acq: 25 Feb 2019 20:29

Instrument :

BNA_G

ClientSampleId :

OK-03-022219-A

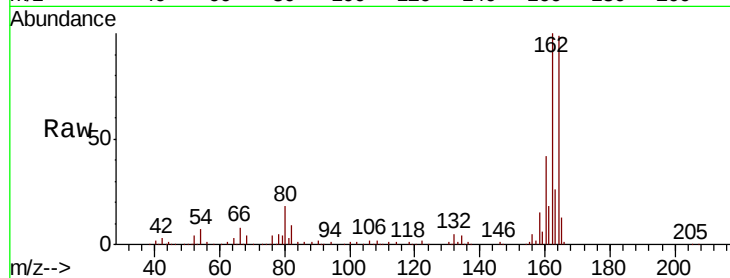
Tgt Ion:164 Resp: 156717

Ion Ratio Lower Upper

164 100

162 100.9 81.6 122.4

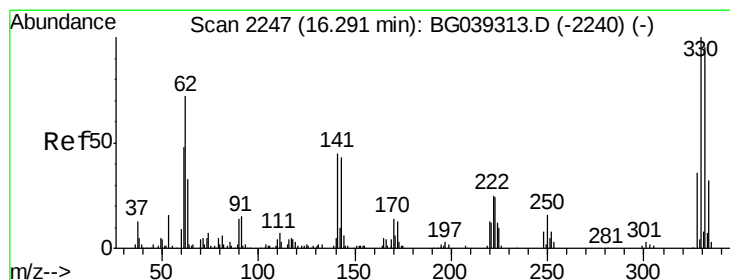
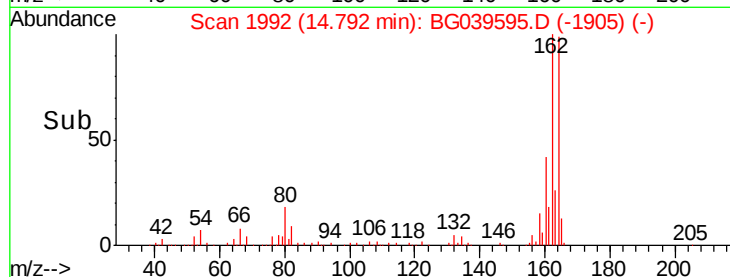
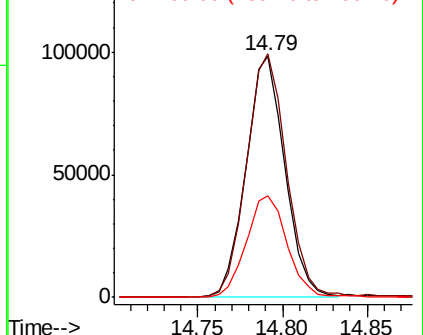
160 42.2 34.2 51.2



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: 84.462 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039595.D

Acq: 25 Feb 2019 20:29

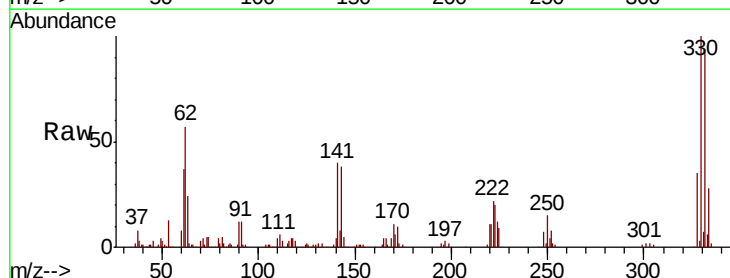
Tgt Ion:330 Resp: 142536

Ion Ratio Lower Upper

330 100

332 96.8 75.7 113.5

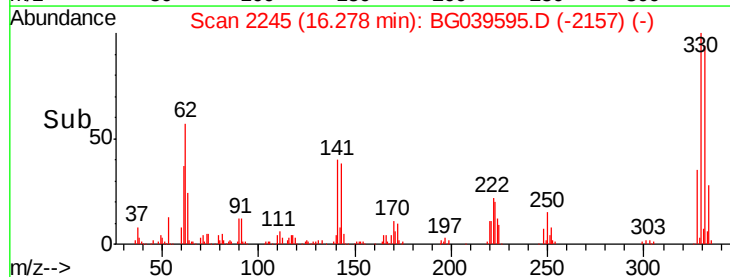
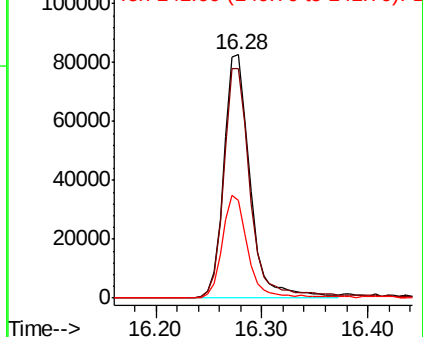
141 41.8 35.6 53.4

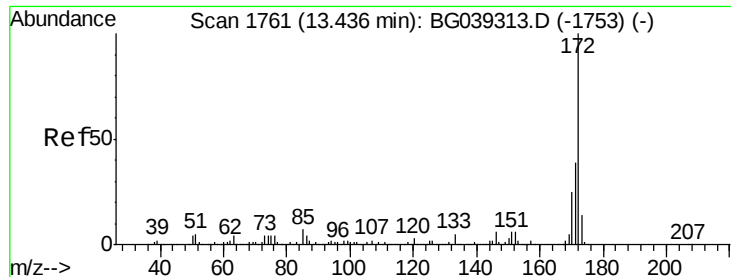


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

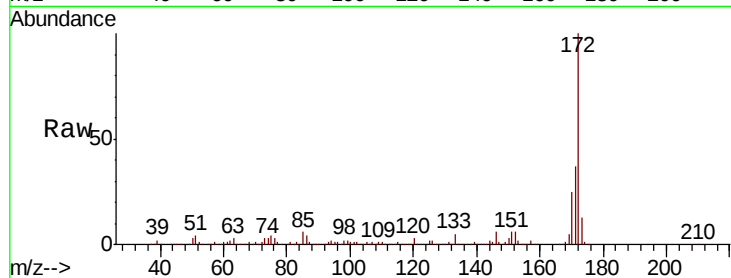




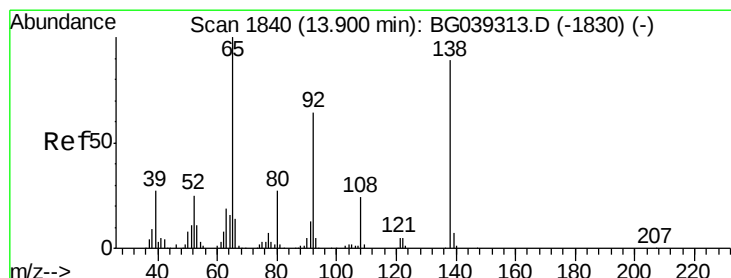
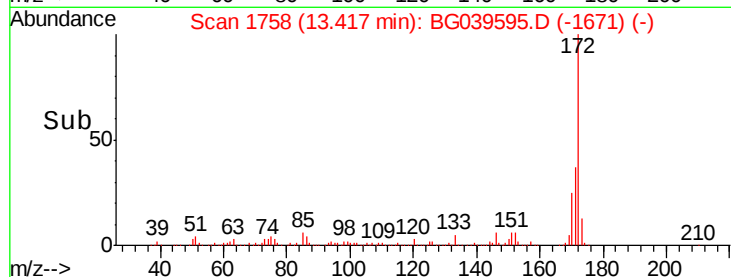
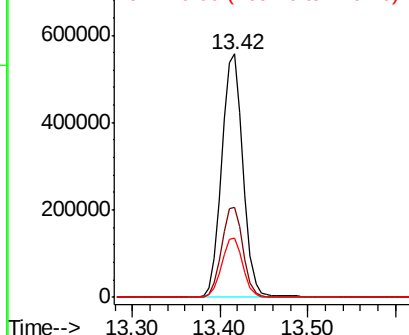
#45
2-Fluorobiphenyl
Concen: 85.984 ng
RT: 13.42 min Scan# 1758
Delta R.T. -0.02 min
Lab File: BG039595.D
Acq: 25 Feb 2019 20:29

Instrument :
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Tgt Ion: 172 Resp: 939330
Ion Ratio Lower Upper
172 100
171 37.1 30.8 46.2
170 24.6 20.2 30.4

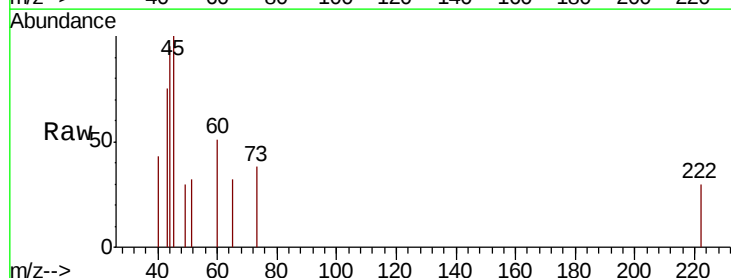


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

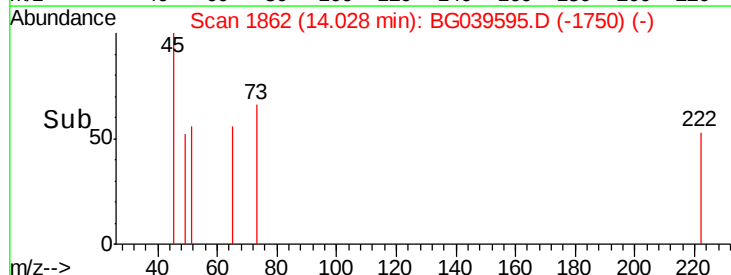
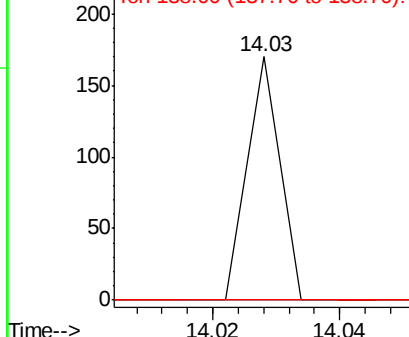


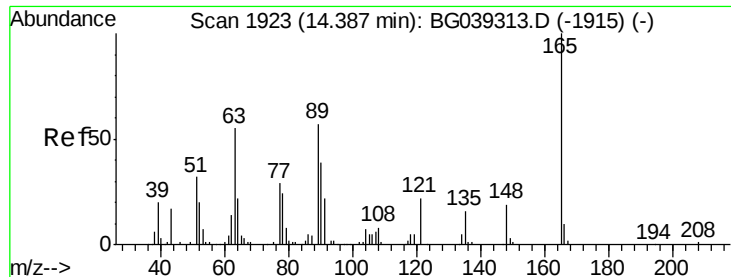
#48
2-Nitroaniline
Concen: 8.314 ng
RT: 14.03 min Scan# 1862
Delta R.T. 0.13 min
Lab File: BG039595.D
Acq: 25 Feb 2019 20:29

Tgt Ion: 65 Resp: 60
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): E





#51

2,6-Dinitrotoluene

Concen: 13.907 ng

RT: 14.79 min Scan# 1992

Delta R.T. 0.40 min

Lab File: BG039595.D

Acq: 25 Feb 2019 20:29

Instrument :

BNA_G

ClientSampleId :

OK-03-022219-A

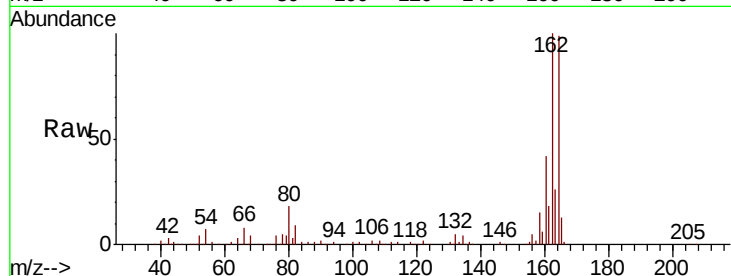
Tgt Ion:165 Resp: 20134

Ion Ratio Lower Upper

165 100

63 0.0 47.0 70.6#

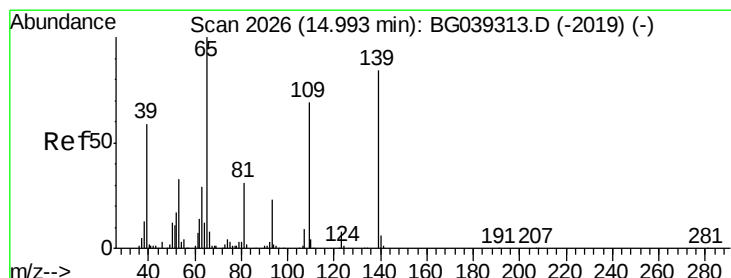
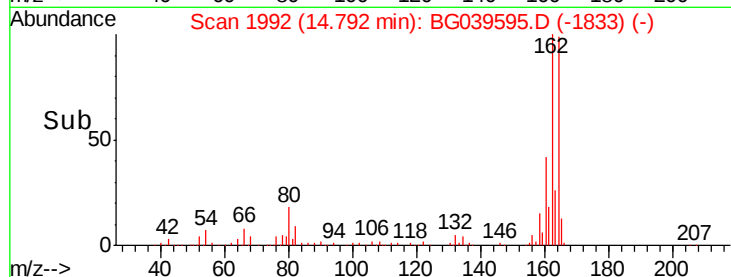
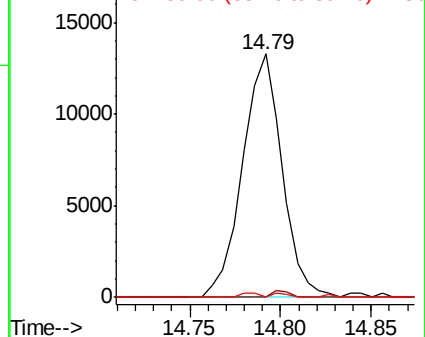
89 0.0 45.8 68.8#



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



#56

4-Nitrophenol

Concen: 5.818 ng

RT: 15.39 min Scan# 2094

Delta R.T. 0.40 min

Lab File: BG039595.D

Acq: 25 Feb 2019 20:29

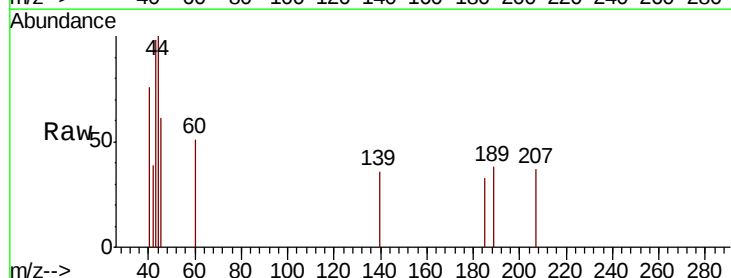
Tgt Ion:139 Resp: 59

Ion Ratio Lower Upper

139 100

109 0.0 61.9 101.9#

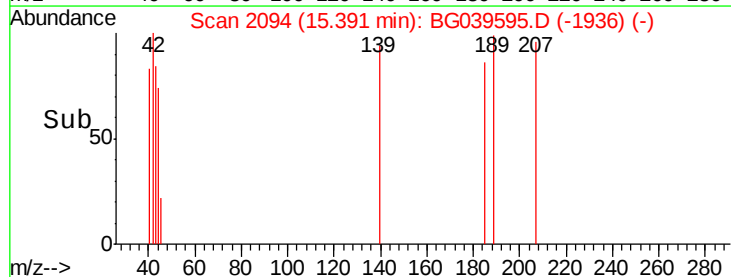
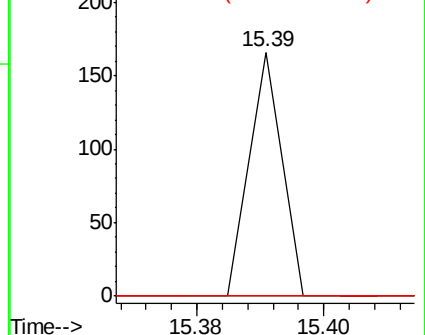
65 0.0 99.1 139.1#

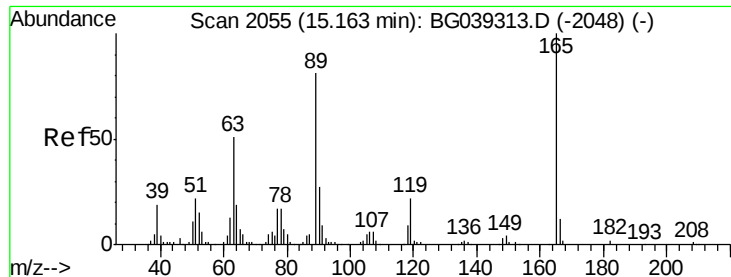


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

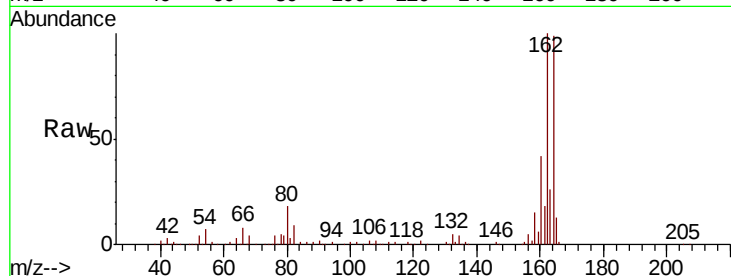




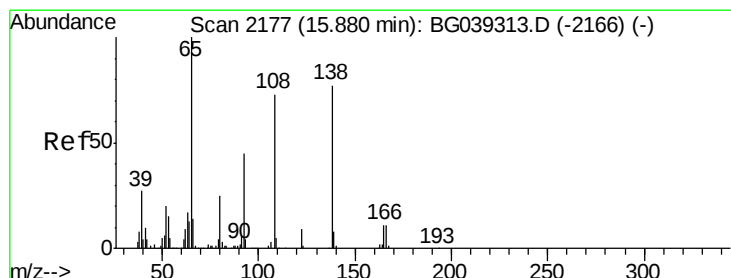
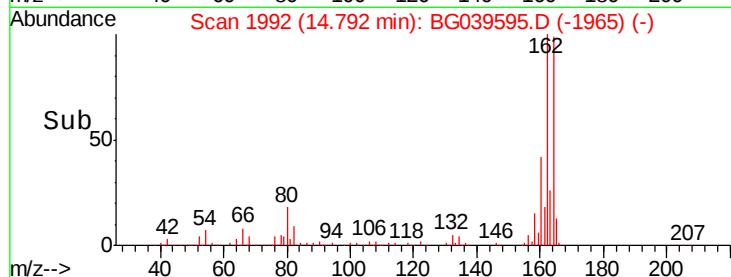
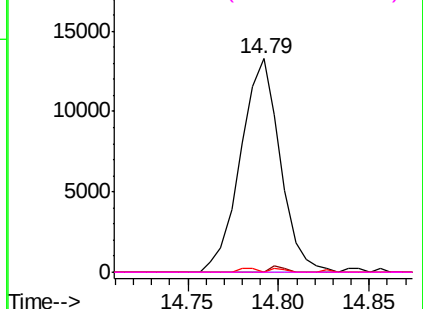
#57
 2,4-Dinitrotoluene
 Concen: 13.387 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. -0.37 min
 Lab File: BG039595.D
 Acq: 25 Feb 2019 20:29

Instrument :
 BNA_G
 ClientSampleId :
 OK-03-022219-A

Tgt Ion:	165	Resp:	20134
Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.0	61.6#
89	0.0	64.6	96.8#
182	0.0	2.0	3.0#

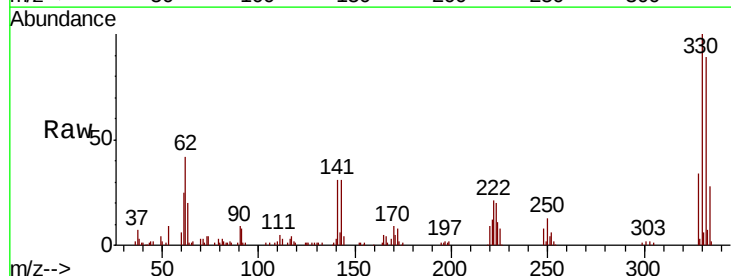


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

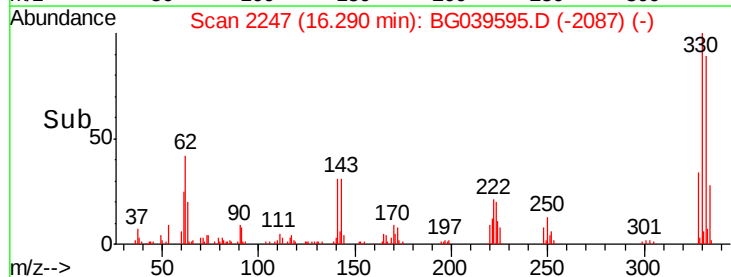
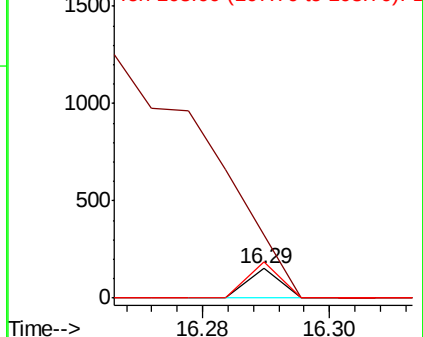


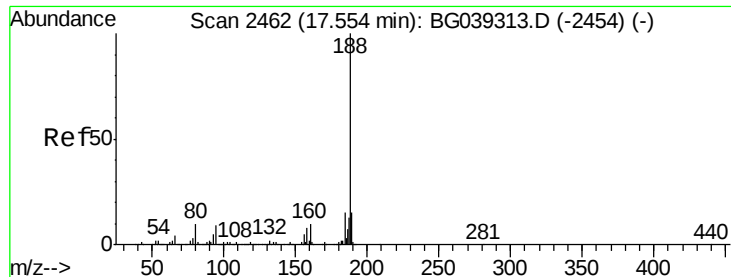
#62
 4-Nitroaniline
 Concen: 4.221 ng
 RT: 16.29 min Scan# 2247
 Delta R.T. 0.41 min
 Lab File: BG039595.D
 Acq: 25 Feb 2019 20:29

Tgt Ion:	138	Resp:	53
Ion	Ratio	Lower	Upper
138	100		
92	216.6	38.7	78.7#
108	125.2	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: 20.000 ng

RT: 17.53 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039595.D

Acq: 25 Feb 2019 20:29

Instrument :

BNA_G

ClientSampleId :

OK-03-022219-A

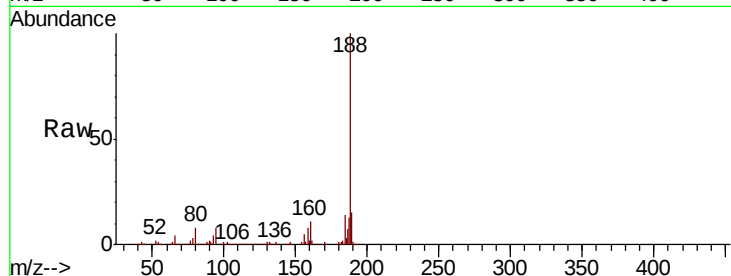
Tgt Ion:188 Resp: 378550

Ion Ratio Lower Upper

188 100

94 8.2 6.9 10.3

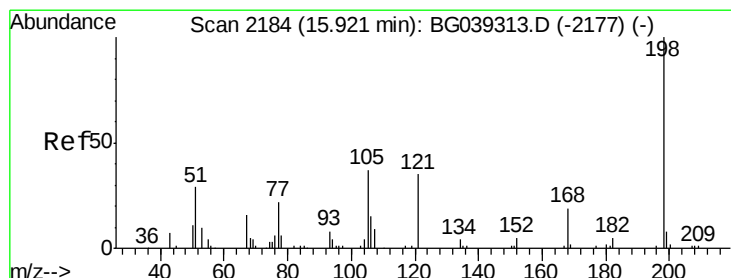
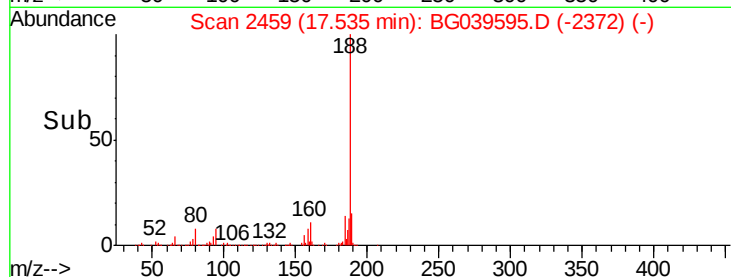
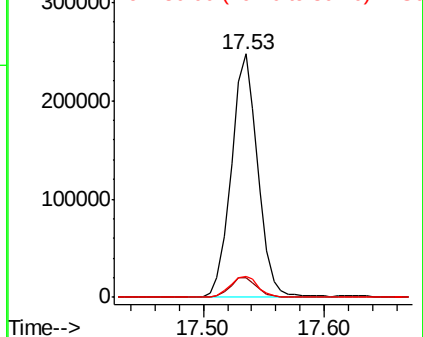
80 8.3 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 4.218 ng

RT: 15.64 min Scan# 2137

Delta R.T. -0.28 min

Lab File: BG039595.D

Acq: 25 Feb 2019 20:29

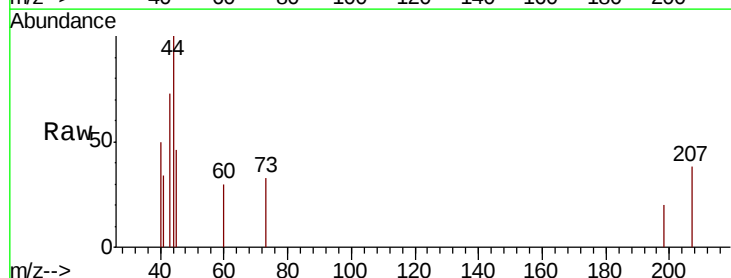
Tgt Ion:198 Resp: 57

Ion Ratio Lower Upper

198 100

51 0.0 27.4 67.4#

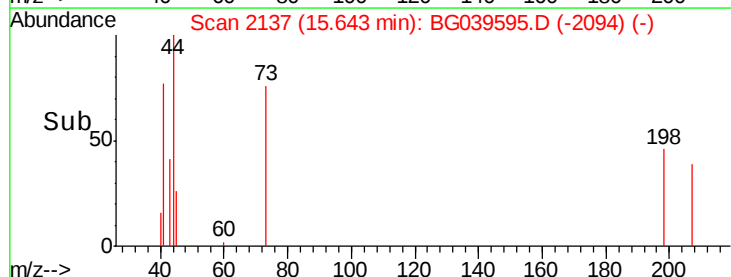
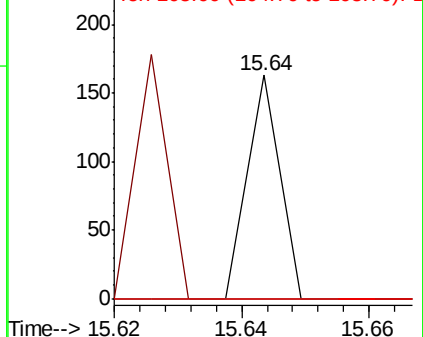
105 0.0 19.7 59.7#

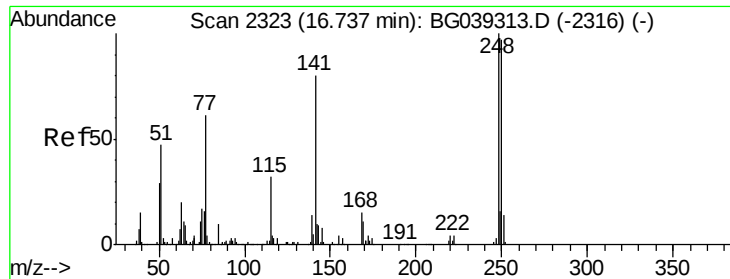


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

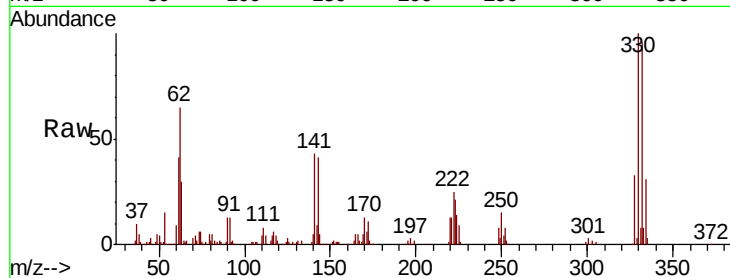




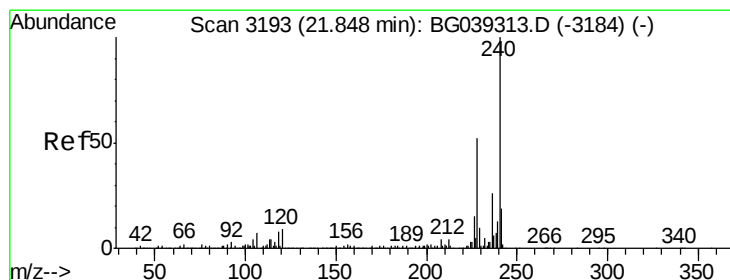
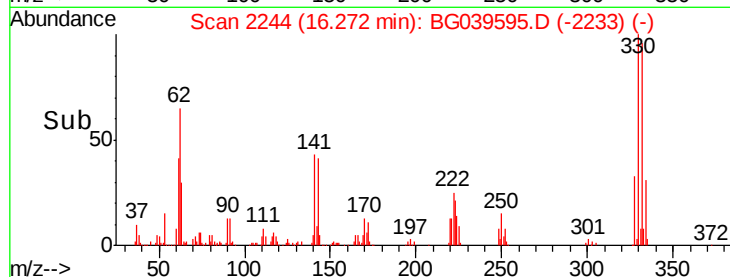
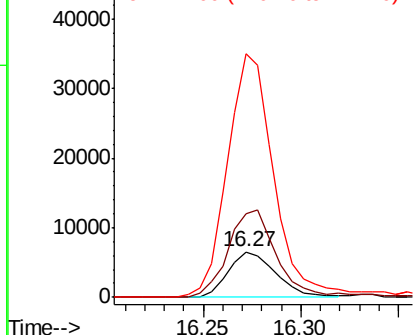
#67
 4-Bromophenyl-phenylether
 Concen: 2.631 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. -0.47 min
 Lab File: BG039595.D
 Acq: 25 Feb 2019 20:29

Instrument :
 BNA_G
 ClientSampleId :
 OK-03-022219-A

Tgt Ion:248 Resp: 11051
 Ion Ratio Lower Upper
 248 100
 250 185.6 77.6 116.4#
 141 538.3 63.9 95.9#

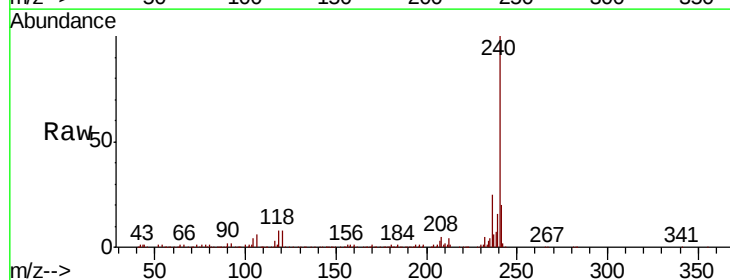


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

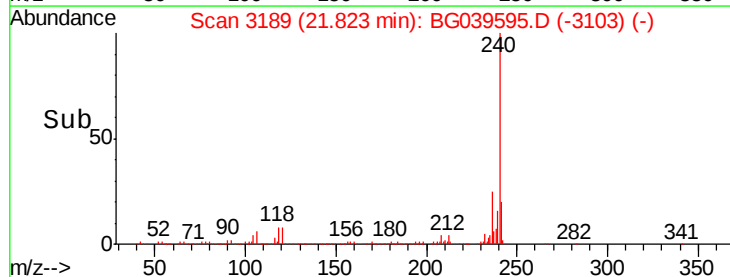
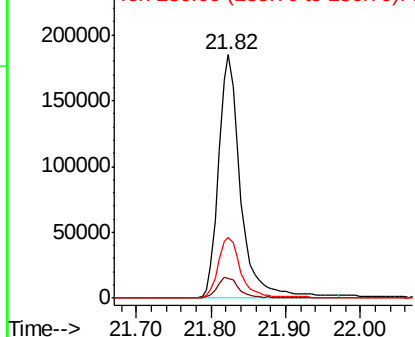


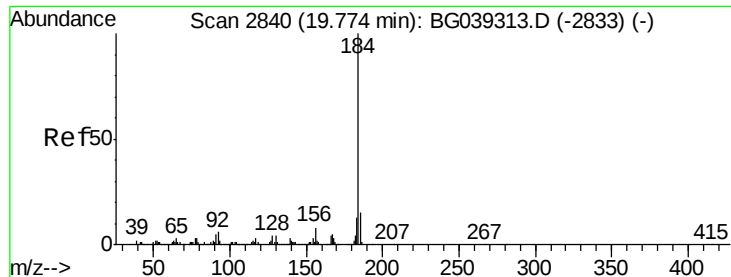
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3189
 Delta R.T. -0.02 min
 Lab File: BG039595.D
 Acq: 25 Feb 2019 20:29

Tgt Ion:240 Resp: 381396
 Ion Ratio Lower Upper
 240 100
 120 8.0 7.0 10.6
 236 24.8 21.0 31.4



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: 2.088 ng

RT: 20.13 min Scan# 2900

Delta R.T. 0.35 min

Lab File: BG039595.D

Acq: 25 Feb 2019 20:29

Instrument :

BNA_G

ClientSampleId :

OK-03-022219-A

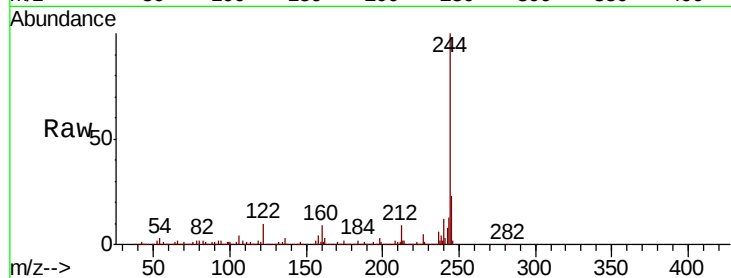
Tgt Ion:184 Resp: 26114

Ion Ratio Lower Upper

184 100

185 13.9 12.2 18.2

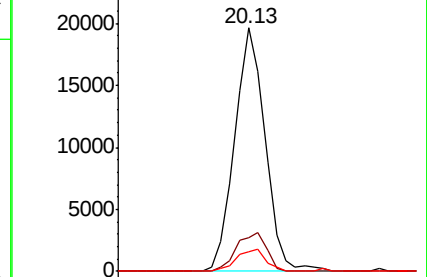
183 8.0 10.6 15.8#



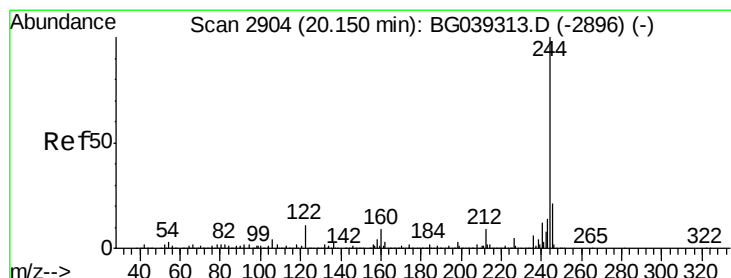
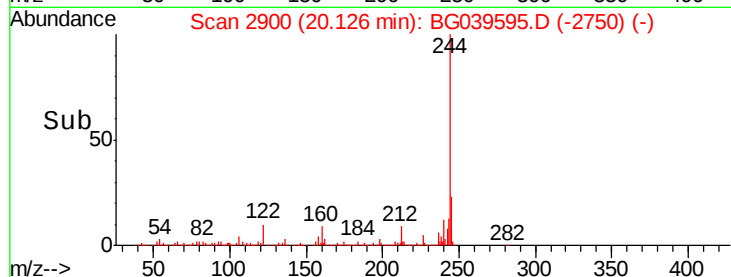
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time--> 20.05 20.10 20.15 20.20



#79

Terphenyl-d14

Concen: 82.493 ng

RT: 20.13 min Scan# 2900

Delta R.T. -0.02 min

Lab File: BG039595.D

Acq: 25 Feb 2019 20:29

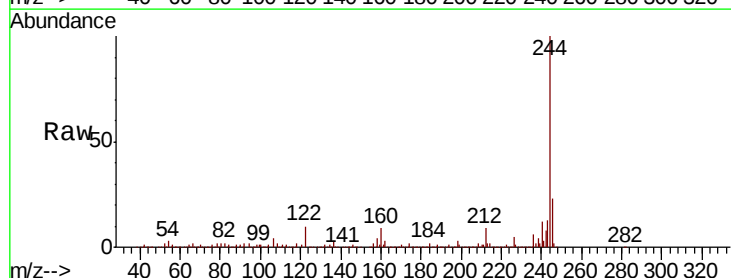
Tgt Ion:244 Resp: 1486399

Ion Ratio Lower Upper

244 100

212 9.4 7.3 10.9

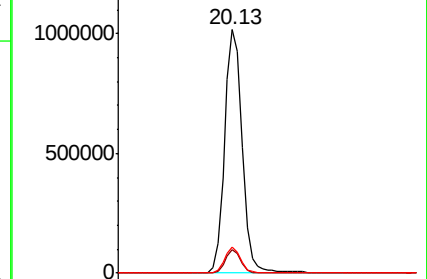
122 10.4 8.4 12.6



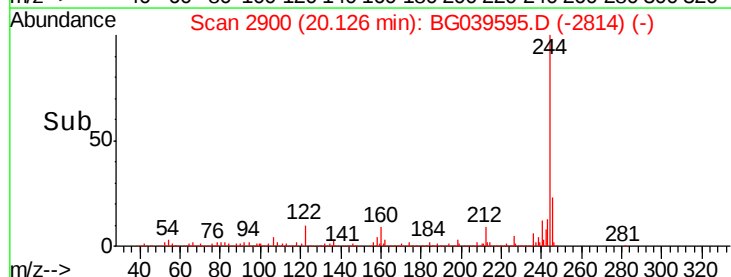
Abundance Ion 244.00 (243.70 to 244.70): E

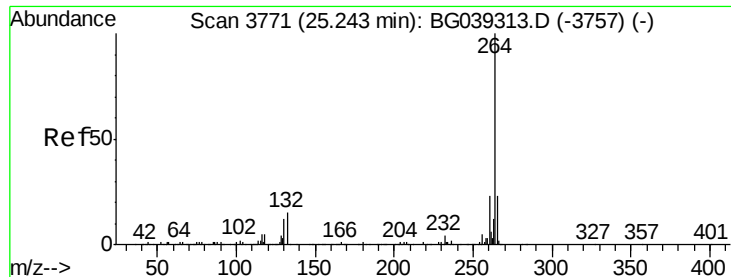
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 20.00 20.10 20.20 20.30





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.21 min Scan# 3765
Delta R.T. -0.04 min
Lab File: BG039595.D
Acq: 25 Feb 2019 20:29

Instrument :
BNA_G
ClientSampleId :
OK-03-022219-A

Tgt Ion:	264	Resp:	293528
Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.2	27.4
265	22.0	18.5	27.7

