

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021119\
 Data File : BG039444.D
 Acq On : 11 Feb 2019 21:28
 Operator : JU/SJ
 Sample : K1356-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-03-020819-B

Quant Time: Feb 12 00:18:07 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

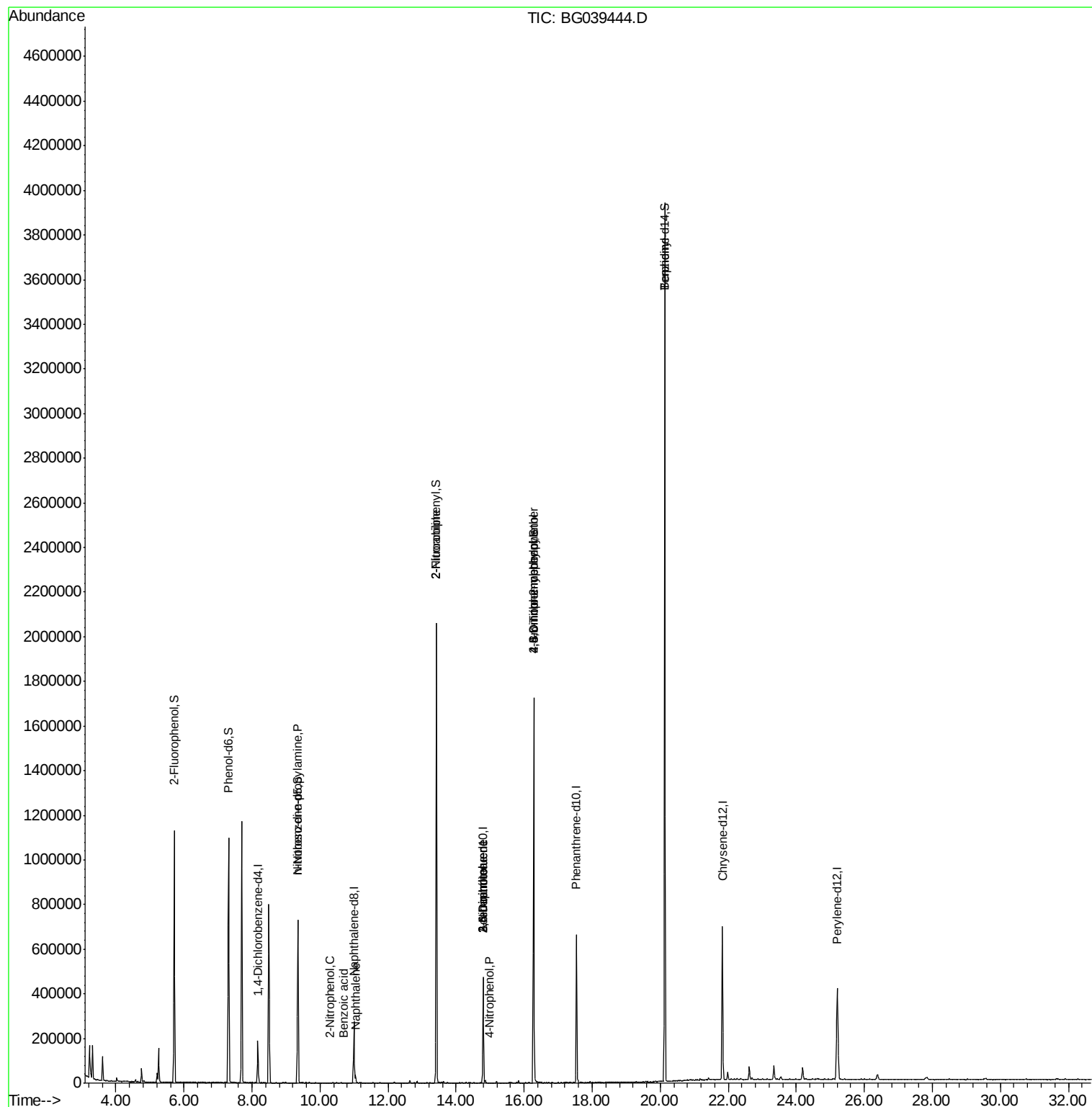
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	54597	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	237912	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	166247	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	415891	20.00	ng	-0.02
76) Chrysene-d12	21.83	240	439013	20.00	ng	-0.02
87) Perylene-d12	25.20	264	440083	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	466169	146.13	ng	0.00
7) Phenol-d6	7.31	99	622384	132.55	ng	-0.01
23) Nitrobenzene-d5	9.35	82	436759	114.69	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	322745	180.28	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	1089745	94.03	ng	-0.02
79) Terphenyl-d14	20.13	244	1826726	88.08	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.31	77	1037	Below Cal		Qvalue # 4
19) n-Nitroso-di-n-propylamine	9.35	70	57113	17.137	ng	# 72
26) 2-Nitrophenol	10.30	139	57	4.047	ng	# 31
31) Naphthalene	11.05	128	32539	2.757	ng	# 96
32) Benzoic acid	10.70	122	56	9.041	ng	# 1
48) 2-Nitroaniline	13.42	65	2145	8.890	ng	# 1
51) 2,6-Dinitrotoluene	14.79	165	21557	13.976	ng	# 25
53) 3-Nitroaniline	14.79	138	55	5.811	ng	# 1
56) 4-Nitrophenol	14.98	139	60	5.817	ng	# 57
57) 2,4-Dinitrotoluene	14.79	165	21557	13.438	ng	# 21
65) 4,6-Dinitro-2-methylphenol	16.28	198	981	4.931	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	24654	5.343	ng	# 1
77) Benzidine	20.13	184	32657	2.269	ng	# 97

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

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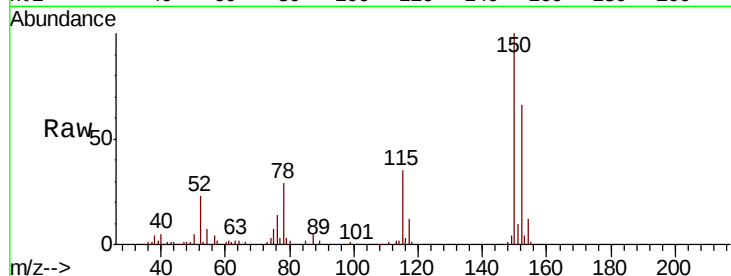


#1

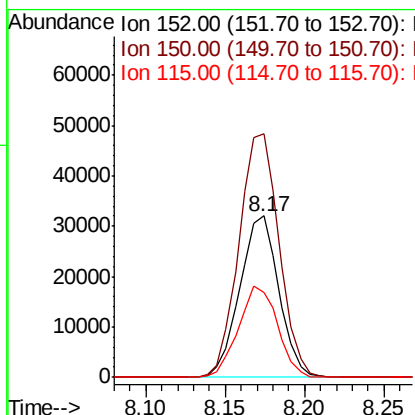
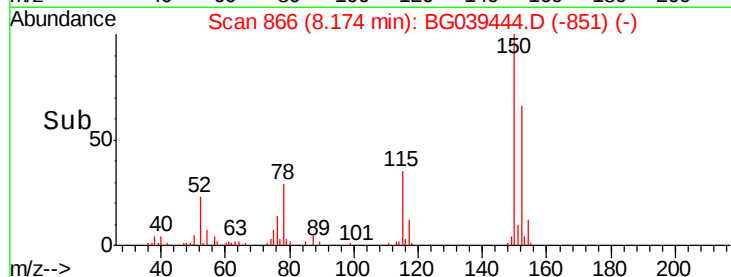
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.17 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: BG039444.D
 Acq: 11 Feb 2019 21:28

Instrument :
 BNA_G
 ClientSampleId :
 SU-03-020819-B

Tgt Ion:152 Resp: 54597
 Ion Ratio Lower Upper
 152 100
 150 150.9 123.7 185.5
 115 52.6 45.9 68.9



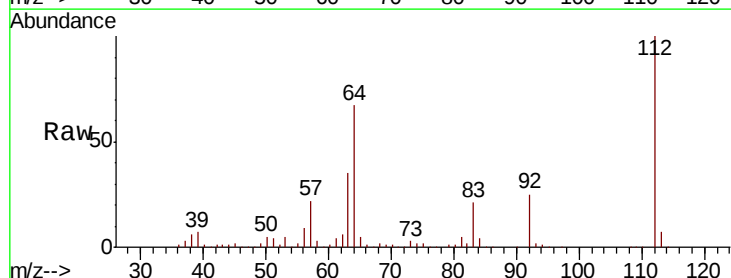
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



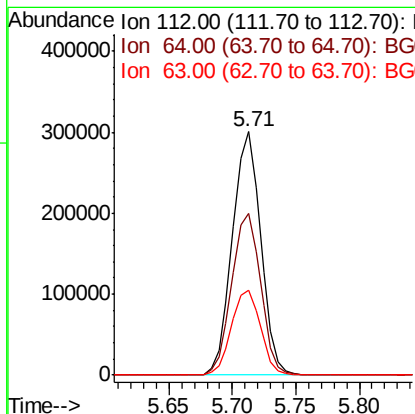
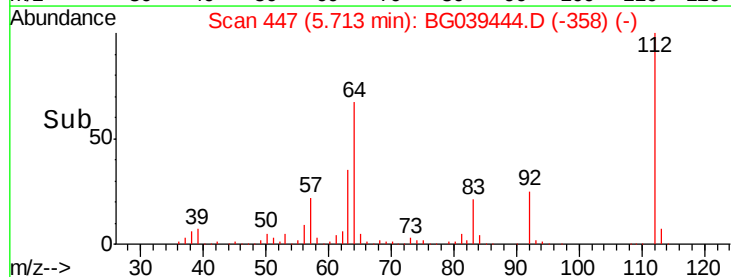
#5

2-Fluorophenol
 Concen: 146.135 ng
 RT: 5.71 min Scan# 447
 Delta R.T. -0.00 min
 Lab File: BG039444.D
 Acq: 11 Feb 2019 21:28

Tgt Ion:112 Resp: 466169
 Ion Ratio Lower Upper
 112 100
 64 66.6 57.8 86.8
 63 35.0 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: 132.547 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039444.D

Acq: 11 Feb 2019 21:28

Instrument :

BNA_G

ClientSampleId :

SU-03-020819-B

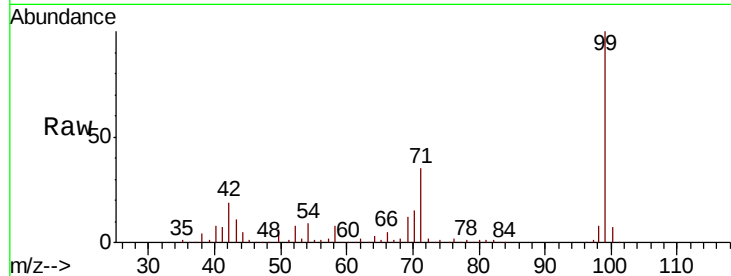
Tgt Ion: 99 Resp: 622384

Ion Ratio Lower Upper

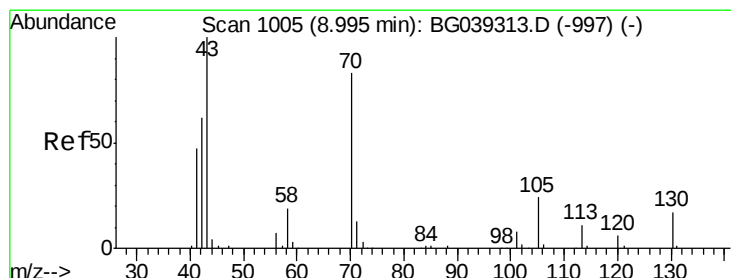
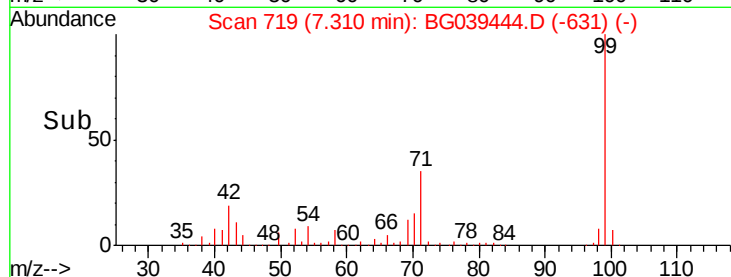
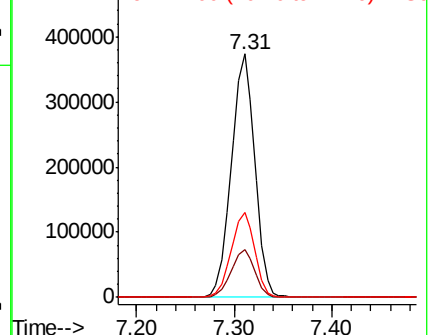
99 100

42 19.4 18.2 27.2

71 34.8 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: 17.137 ng

RT: 9.35 min Scan# 1066

Delta R.T. 0.35 min

Lab File: BG039444.D

Acq: 11 Feb 2019 21:28

Tgt Ion: 70 Resp: 57113

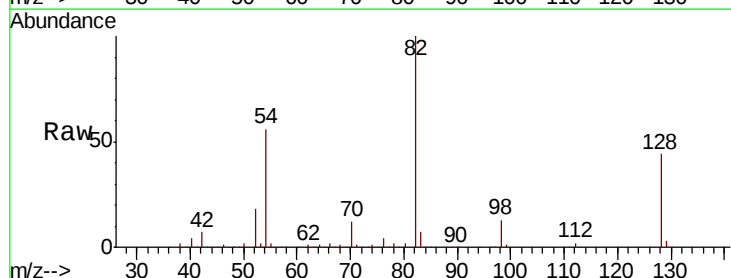
Ion Ratio Lower Upper

70 100

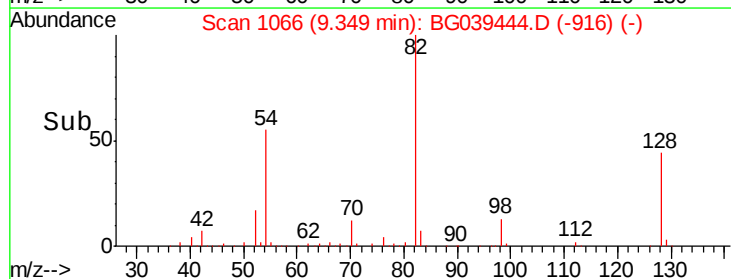
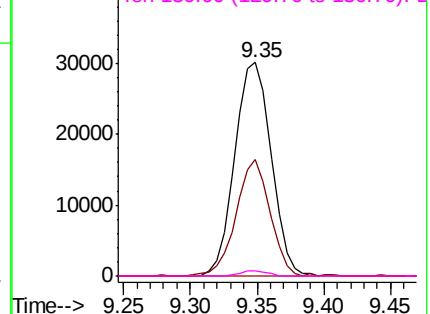
42 54.6 60.4 90.6#

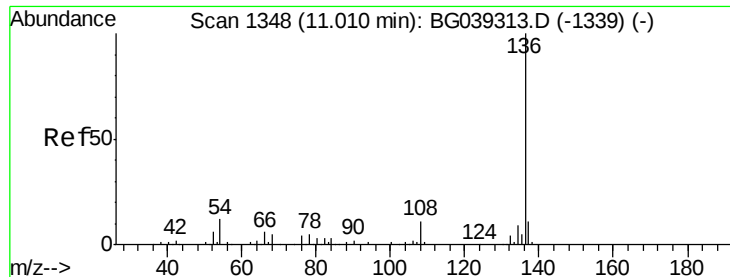
101 0.0 7.5 11.3#

130 2.2 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

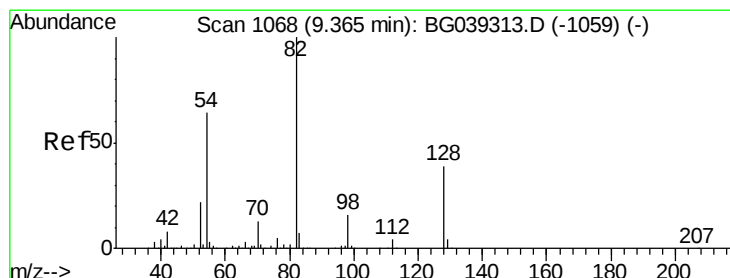
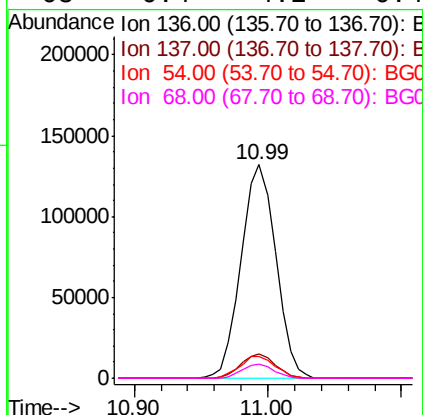
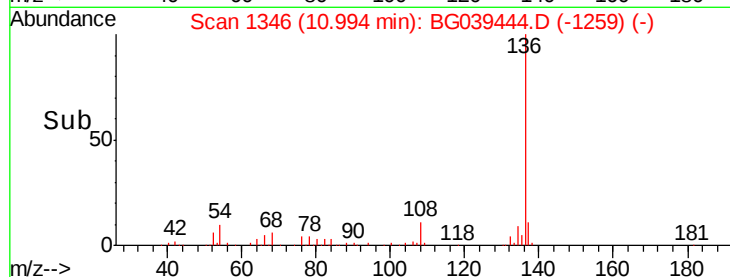
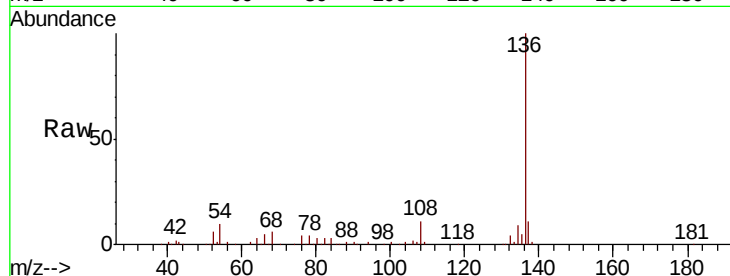




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1346
Delta R.T. -0.02 min
Lab File: BG039444.D
Acq: 11 Feb 2019 21:28

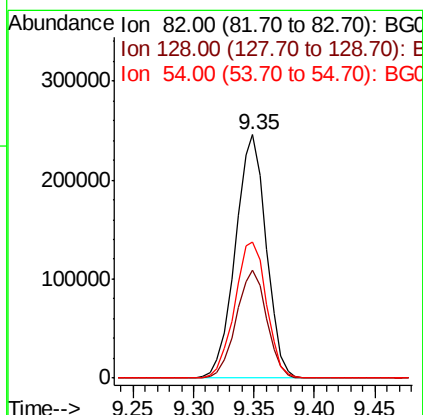
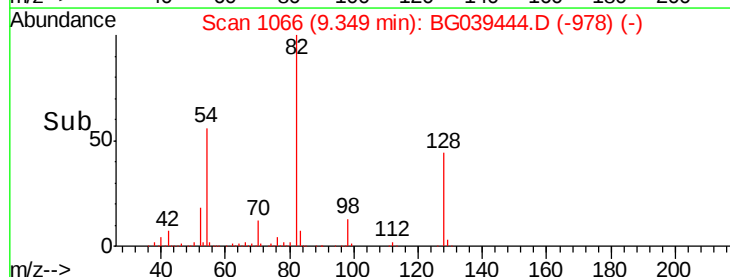
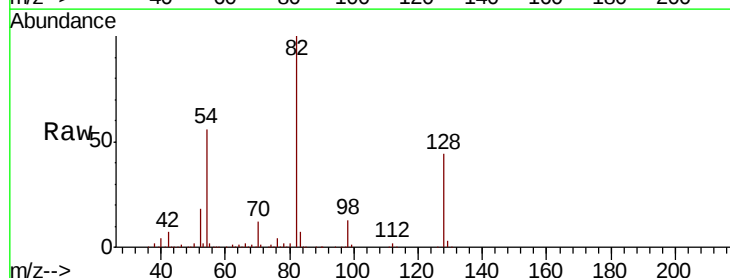
Instrument :
BNA_G
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SU-03-020819-B

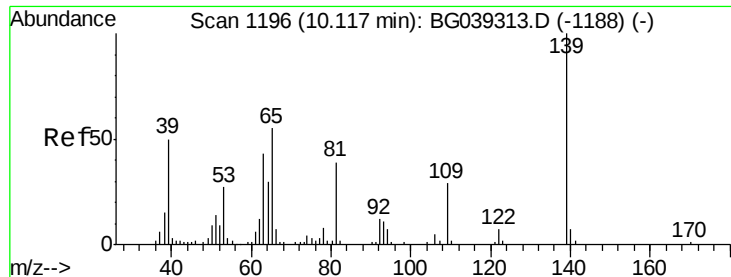
Tgt Ion:	136	Resp:	237912
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	10.2	9.4	14.2
68	6.4	4.2	6.4



#23
Nitrobenzene-d5
Concen: 114.685 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.02 min
Lab File: BG039444.D
Acq: 11 Feb 2019 21:28

Tgt Ion:	82	Resp:	436759
Ion	Ratio	Lower	Upper
82	100		
128	44.5	31.3	46.9
54	55.7	50.9	76.3

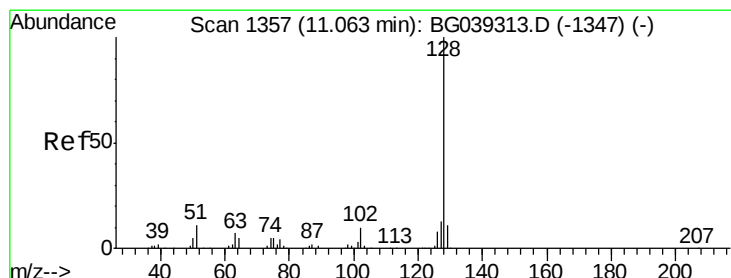
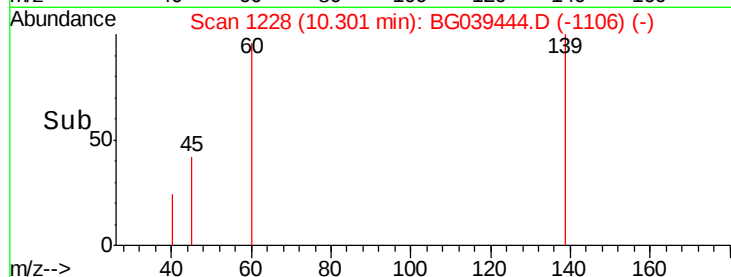
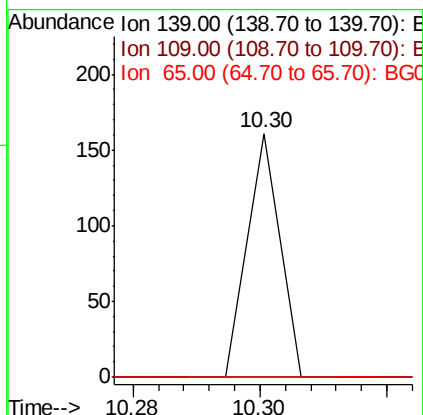
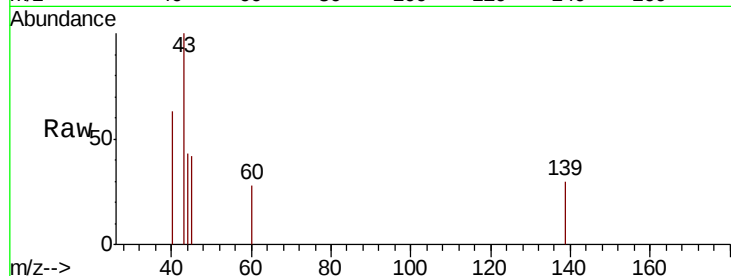




#26
2-Nitrophenol
Concen: 4.047 ng
RT: 10.30 min Scan# 1228
Delta R.T. 0.18 min
Lab File: BG039444.D
Acq: 11 Feb 2019 21:28

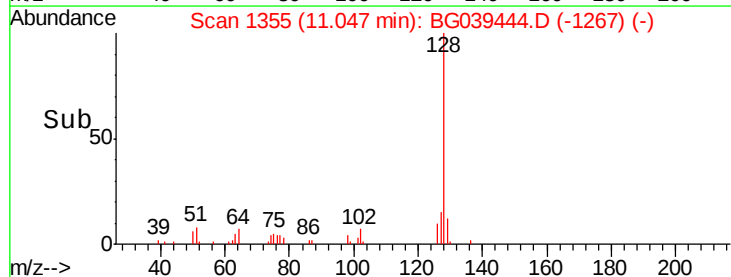
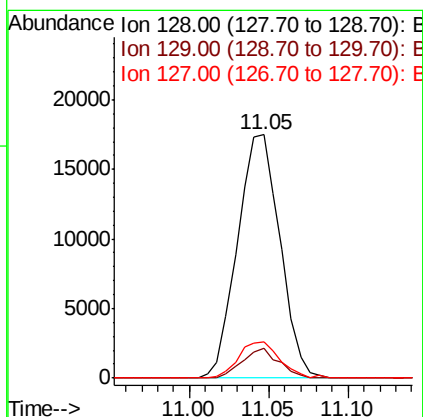
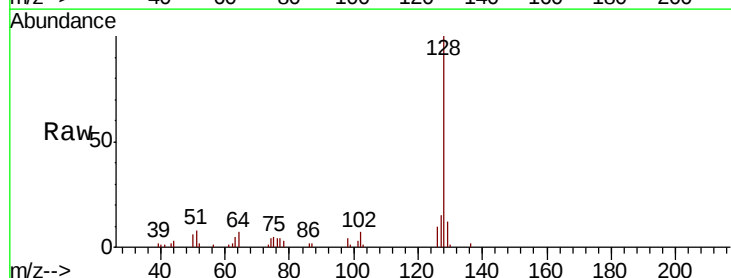
Instrument :
BNA_G
ClientSampleId :
SU-03-020819-B

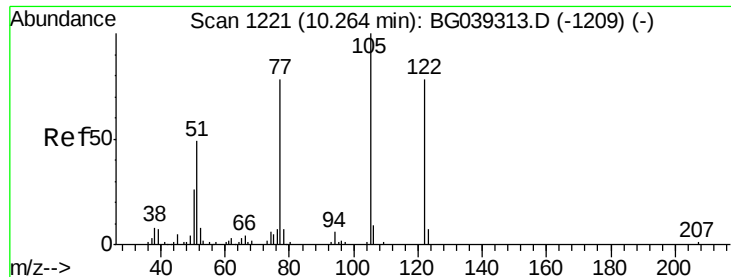
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	23.4	35.0#
65	0.0	44.3	66.5#



#31
Naphthalene
Concen: 2.757 ng
RT: 11.05 min Scan# 1355
Delta R.T. -0.02 min
Lab File: BG039444.D
Acq: 11 Feb 2019 21:28

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.4	8.7	13.1
127	14.9	10.8	16.2





#32

Benzoic acid

Concen: 9.041 ng

RT: 10.70 min Scan# 1296

Delta R.T. 0.44 min

Lab File: BG039444.D

Acq: 11 Feb 2019 21:28

Instrument :

BNA_G

ClientSampleId :

SU-03-020819-B

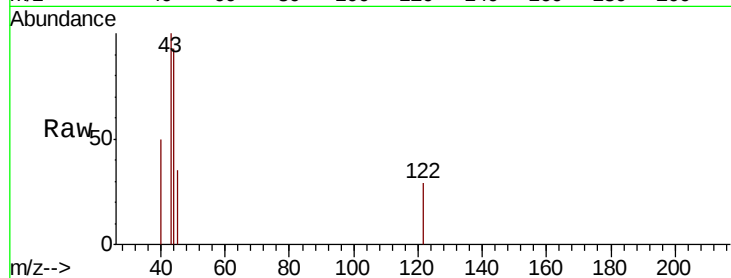
Tgt Ion:122 Resp: 56

Ion Ratio Lower Upper

122 100

105 0.0 101.8 141.8#

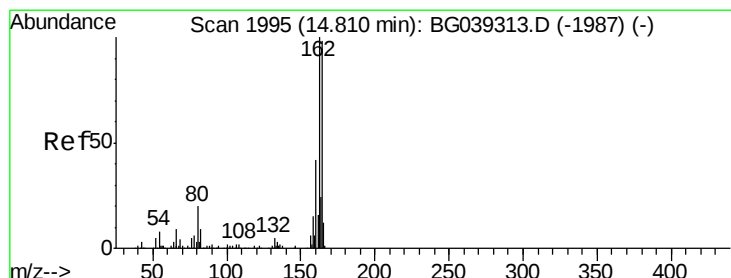
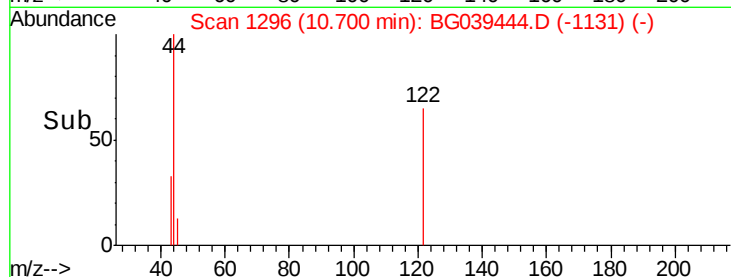
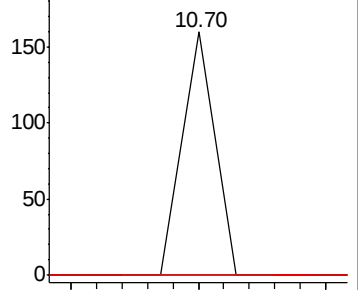
77 0.0 76.3 116.3#



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: 20.000 ng

RT: 14.79 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BG039444.D

Acq: 11 Feb 2019 21:28

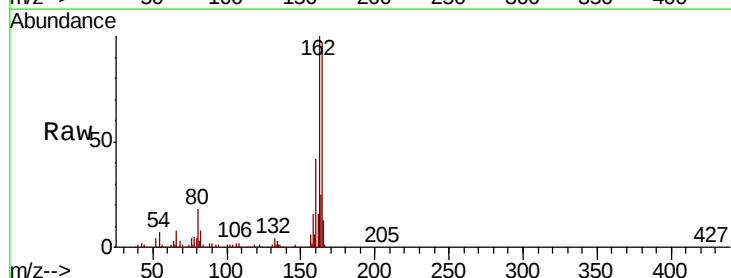
Tgt Ion:164 Resp: 166247

Ion Ratio Lower Upper

164 100

162 103.5 81.6 122.4

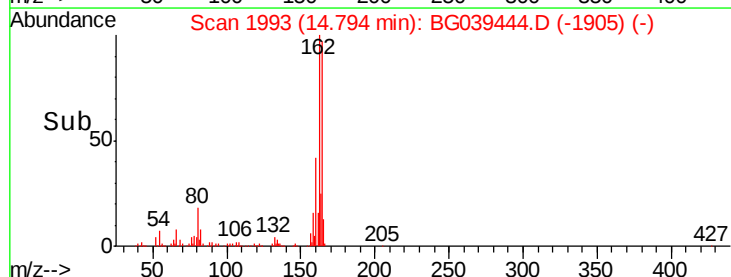
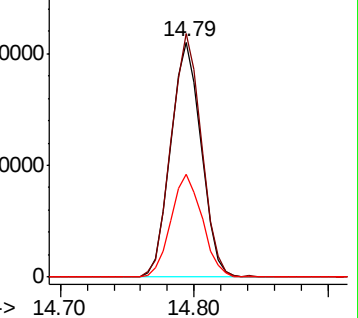
160 43.5 34.2 51.2

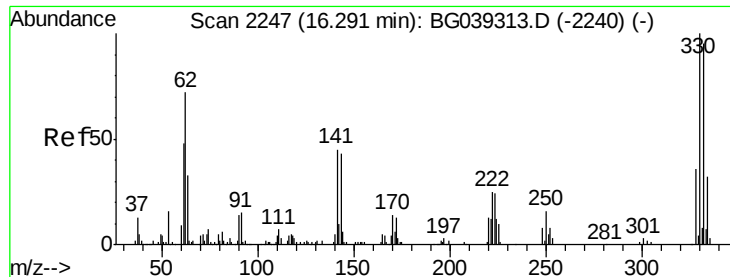


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 180.285 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

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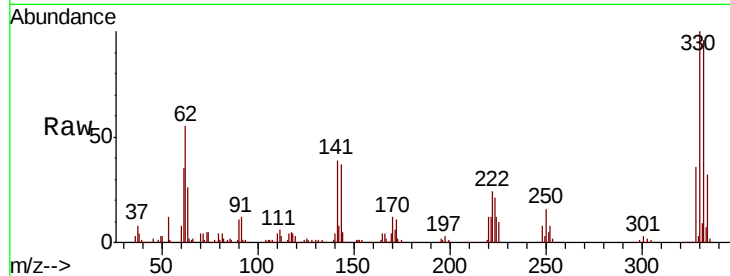
Tgt Ion:330 Resp: 322745

Ion Ratio Lower Upper

330 100

332 94.7 75.7 113.5

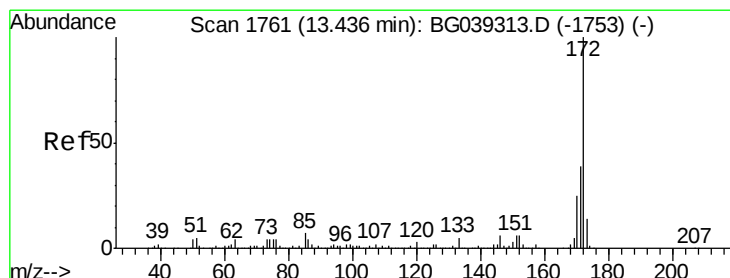
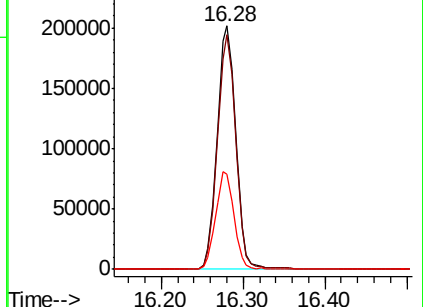
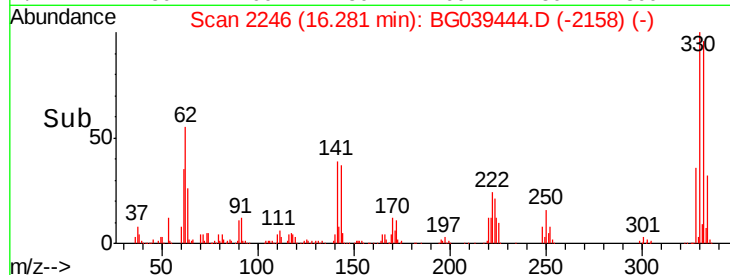
141 39.1 35.6 53.4



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: 94.034 ng

RT: 13.42 min Scan# 1759

Delta R.T. -0.02 min

Lab File: BG039444.D

Acq: 11 Feb 2019 21:28

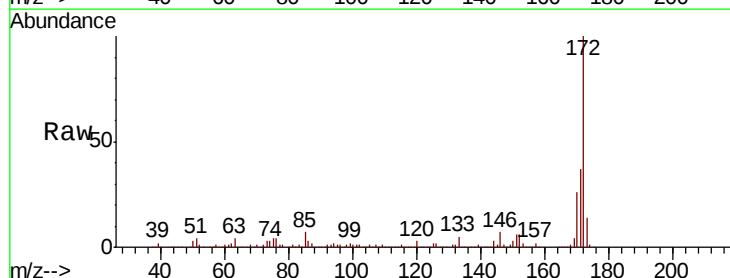
Tgt Ion:172 Resp: 1089745

Ion Ratio Lower Upper

172 100

171 37.4 30.8 46.2

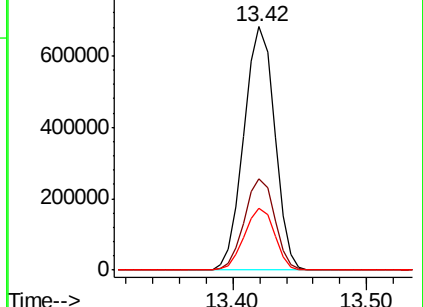
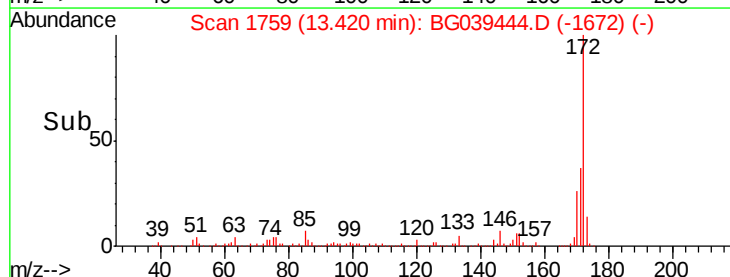
170 25.6 20.2 30.4

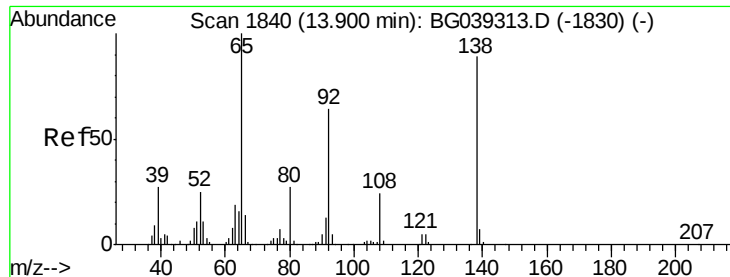


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

2-Nitroaniline

Concen: 8.890 ng

RT: 13.42 min Scan# 1759

Delta R.T. -0.48 min

Lab File: BG039444.D

Acq: 11 Feb 2019 21:28

Instrument :

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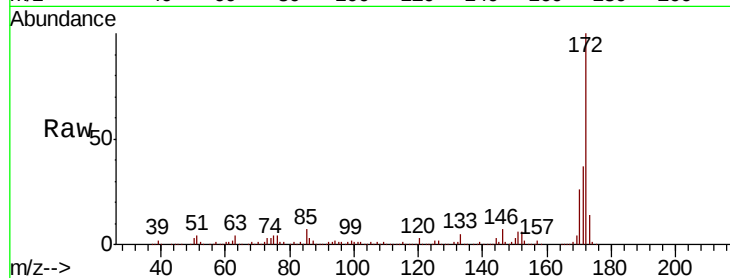
Tgt Ion: 65 Resp: 2145

Ion Ratio Lower Upper

65 100

92 220.3 51.4 77.2#

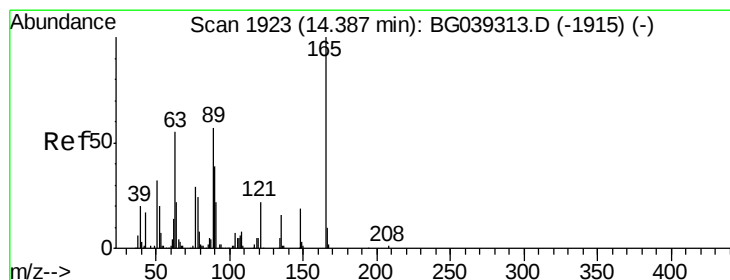
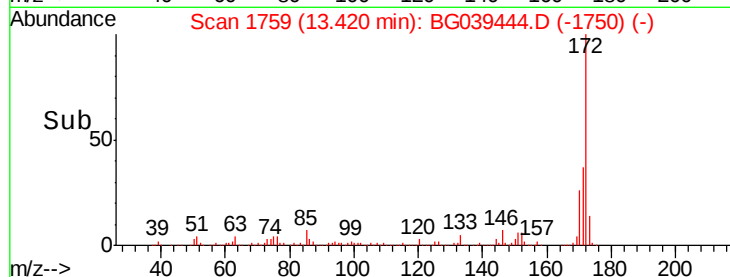
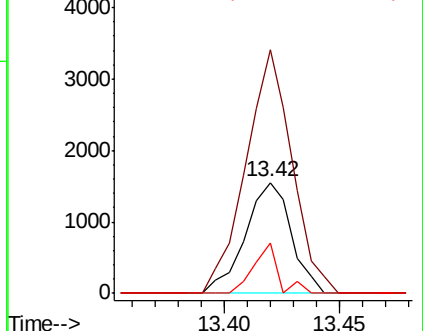
138 45.5 71.4 107.2#



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



#51

2,6-Dinitrotoluene

Concen: 13.976 ng

RT: 14.79 min Scan# 1993

Delta R.T. 0.41 min

Lab File: BG039444.D

Acq: 11 Feb 2019 21:28

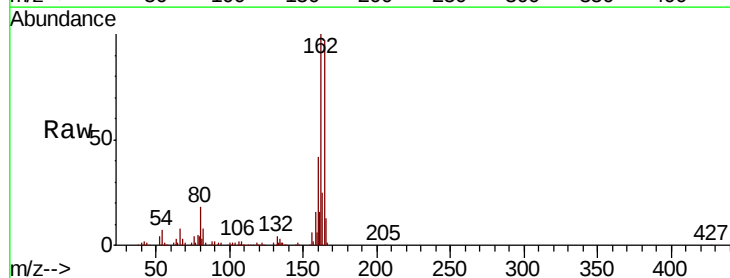
Tgt Ion: 165 Resp: 21557

Ion Ratio Lower Upper

165 100

63 1.4 47.0 70.6#

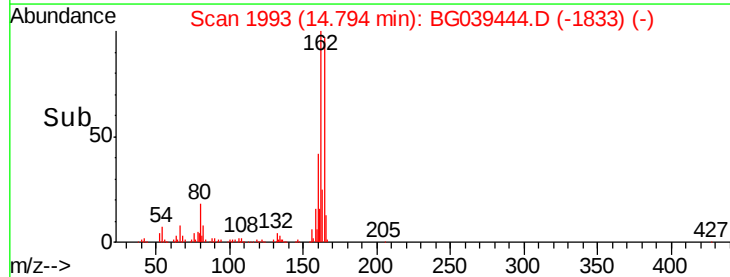
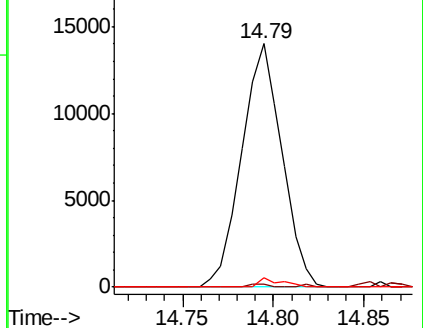
89 3.8 45.8 68.8#

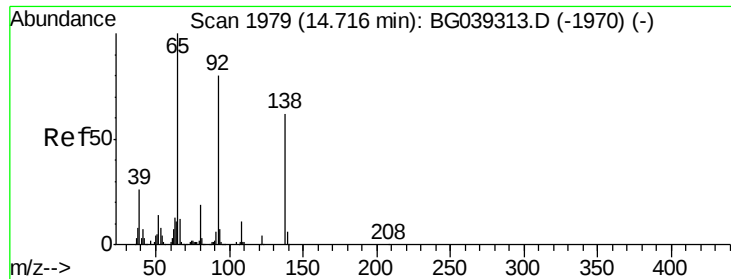


Abundance Ion 165.00 (164.70 to 165.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#53

3-Nitroaniline

Concen: 5.811 ng

RT: 14.79 min Scan# 1993

Delta R.T. 0.08 min

Lab File: BG039444.D

Acq: 11 Feb 2019 21:28

Instrument :

BNA_G

ClientSampleId :

SU-03-020819-B

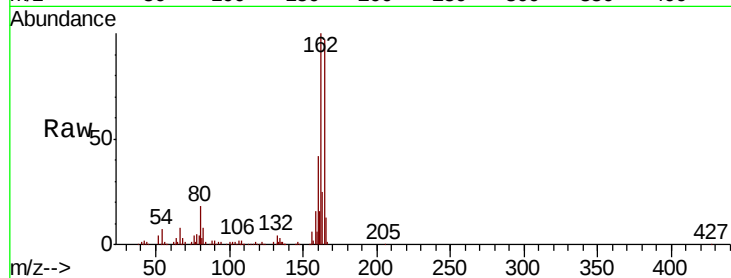
Tgt Ion:138 Resp: 55

Ion Ratio Lower Upper

138 100

108 1523.9 13.8 20.8#

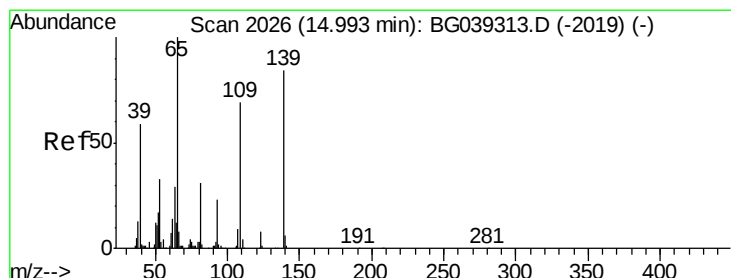
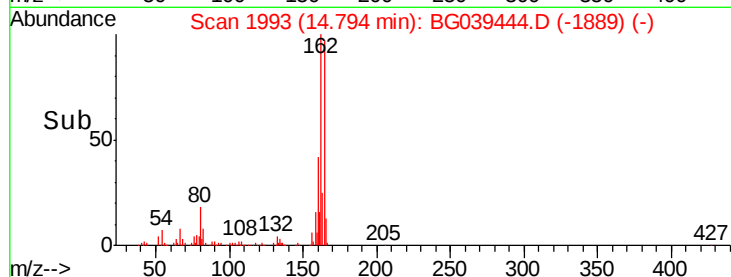
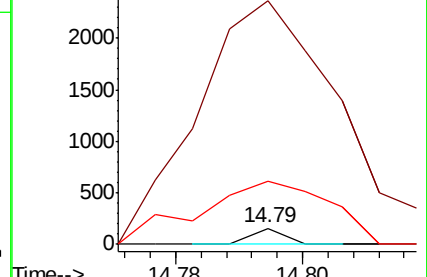
92 395.5 103.7 155.5#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#56

4-Nitrophenol

Concen: 5.817 ng

RT: 14.98 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BG039444.D

Acq: 11 Feb 2019 21:28

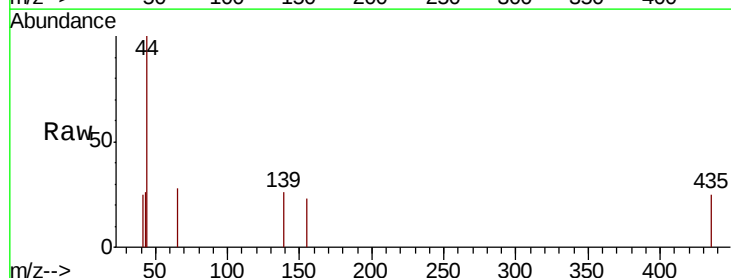
Tgt Ion:139 Resp: 60

Ion Ratio Lower Upper

139 100

109 0.0 61.9 101.9#

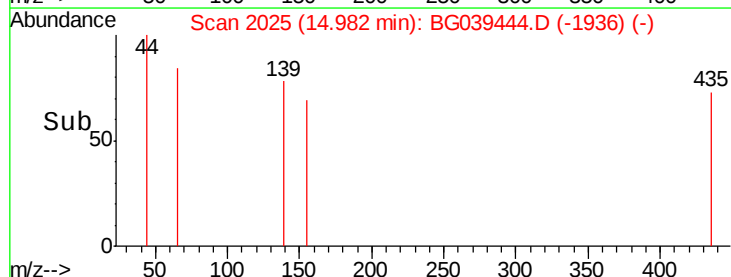
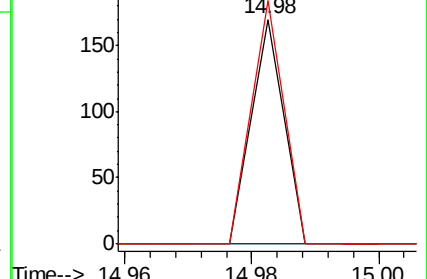
65 108.2 99.1 139.1

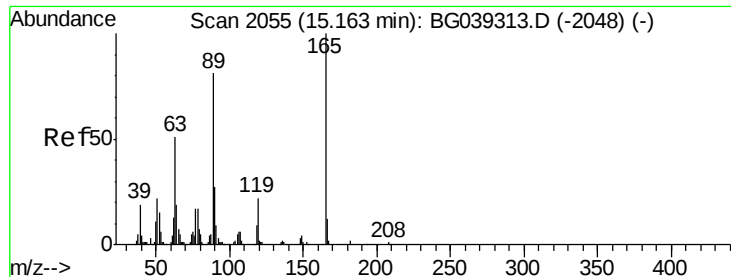


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC





#57

2,4-Dinitrotoluene

Concen: 13.438 ng

RT: 14.79 min Scan# 1993

Delta R.T. -0.37 min

Lab File: BG039444.D

Acq: 11 Feb 2019 21:28

Instrument :

BNA_G

ClientSampleId :

SU-03-020819-B

Tgt Ion:165 Resp: 21557

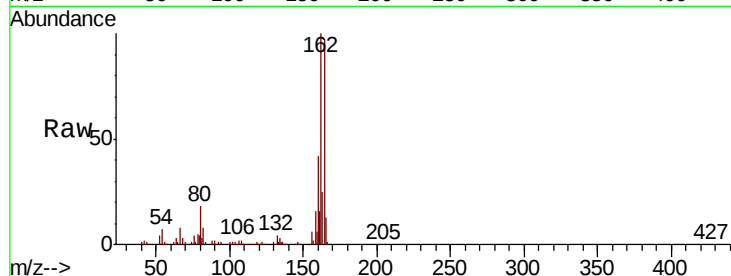
Ion Ratio Lower Upper

165 100

63 1.4 41.0 61.6#

89 3.8 64.6 96.8#

182 0.0 2.0 3.0#

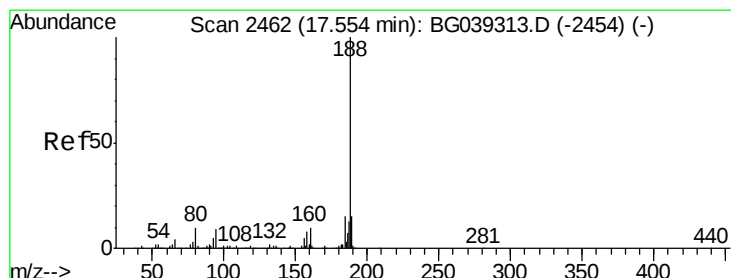
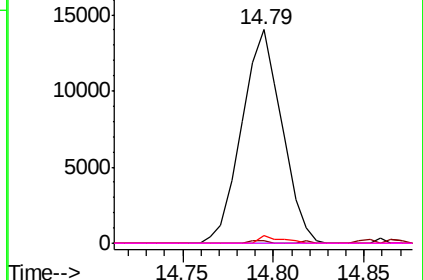
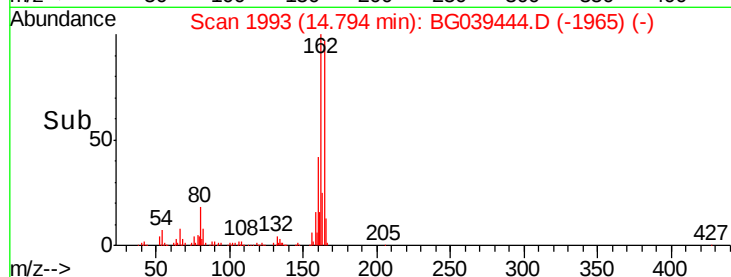


Abundance Ion 165.00 (164.70 to 165.70): E

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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.02 min

Lab File: BG039444.D

Acq: 11 Feb 2019 21:28

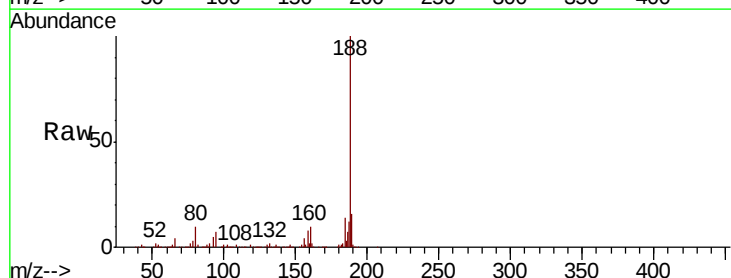
Tgt Ion:188 Resp: 415891

Ion Ratio Lower Upper

188 100

94 7.4 6.9 10.3

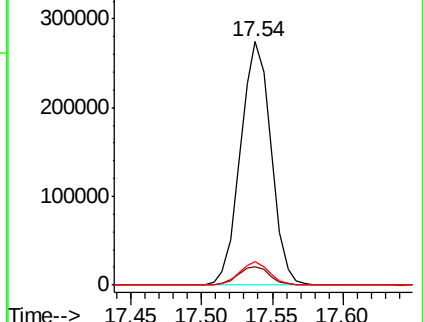
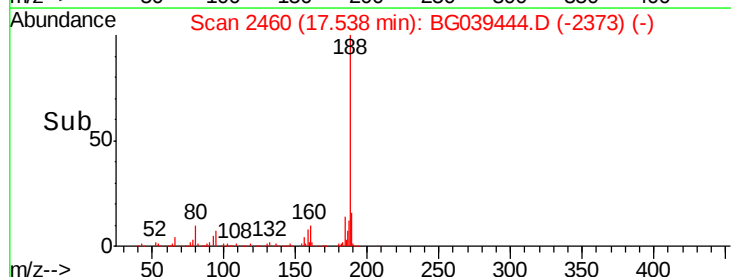
80 9.7 8.1 12.1

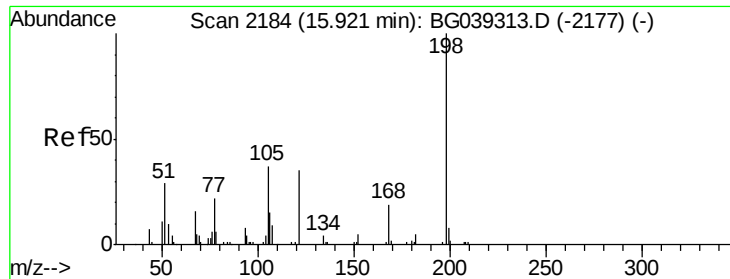


Abundance Ion 188.00 (187.70 to 188.70): E

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: 4.931 ng

RT: 16.28 min Scan# 2246

Delta R.T. 0.36 min

Lab File: BG039444.D

Acq: 11 Feb 2019 21:28

Instrument :

BNA_G

ClientSampleId :

SU-03-020819-B

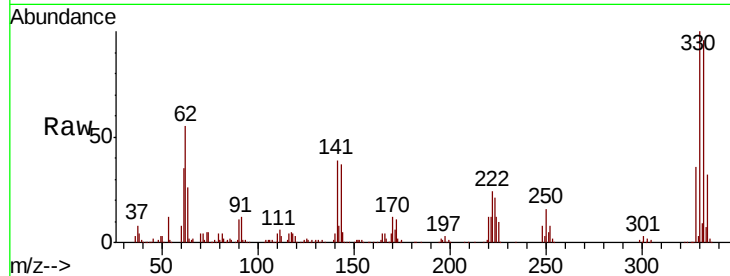
Tgt Ion:198 Resp: 981

Ion Ratio Lower Upper

198 100

51 148.7 27.4 67.4#

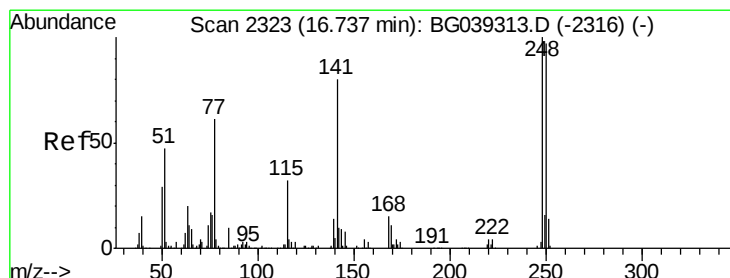
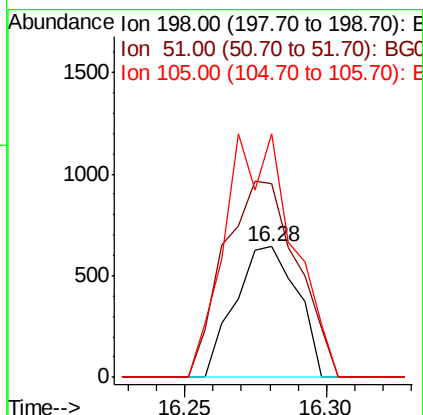
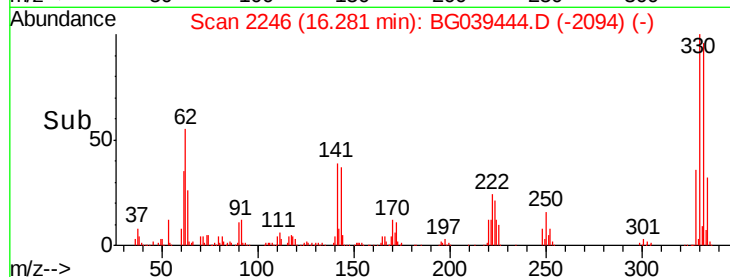
105 186.0 19.7 59.7#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG039313.D (-2177) (-)

Ion 105.00 (104.70 to 105.70): BG039313.D (-2177) (-)



#67

4-Bromophenyl-phenylether

Concen: 5.343 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.46 min

Lab File: BG039444.D

Acq: 11 Feb 2019 21:28

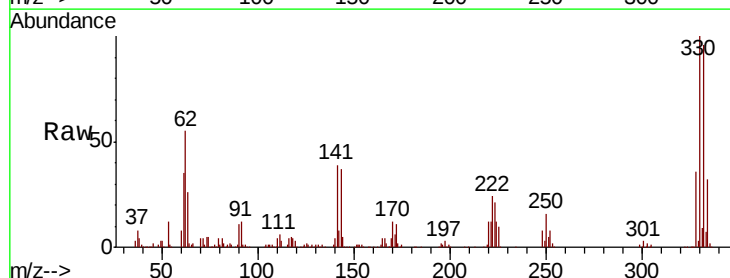
Tgt Ion:248 Resp: 24654

Ion Ratio Lower Upper

248 100

250 191.8 77.6 116.4#

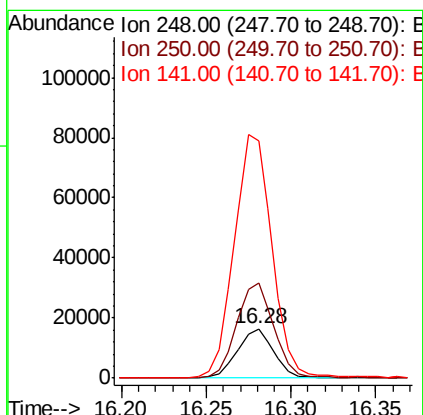
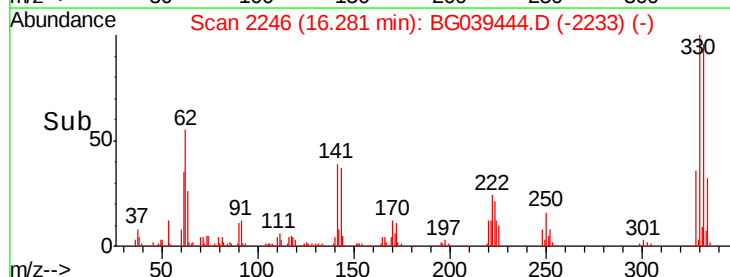
141 479.7 63.9 95.9#

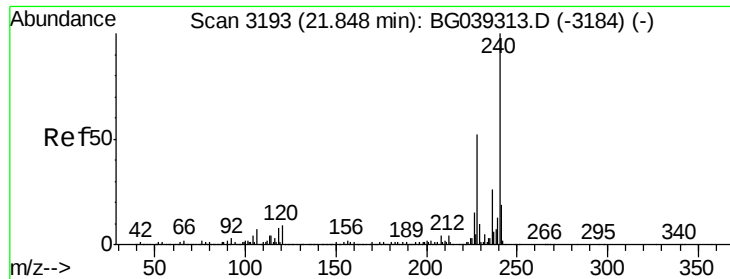


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): BG039313.D (-2316) (-)

Ion 141.00 (140.70 to 141.70): BG039313.D (-2316) (-)

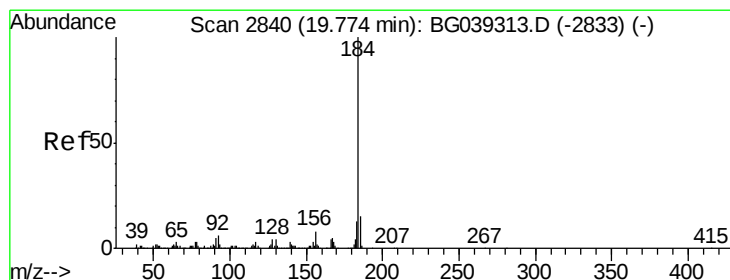
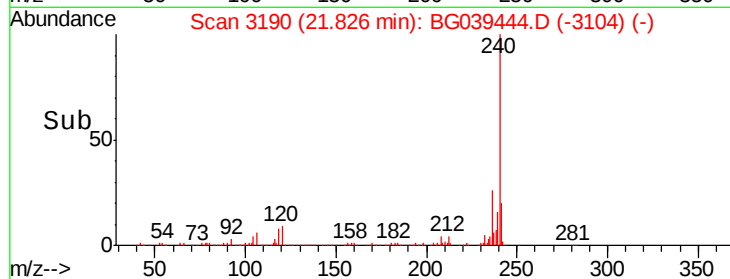
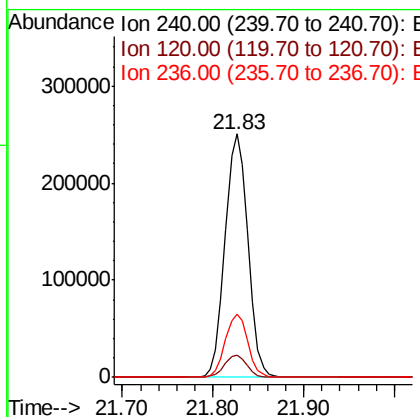
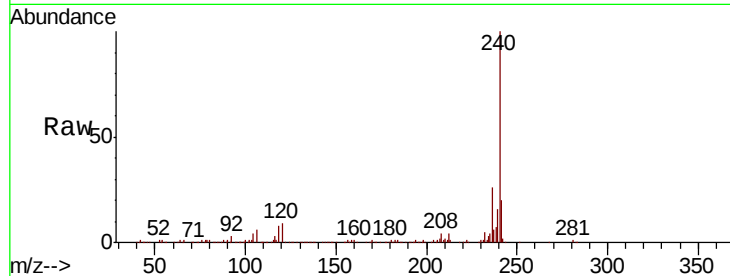




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.83 min Scan# 3190
 Delta R.T. -0.02 min
 Lab File: BG039444.D
 Acq: 11 Feb 2019 21:28

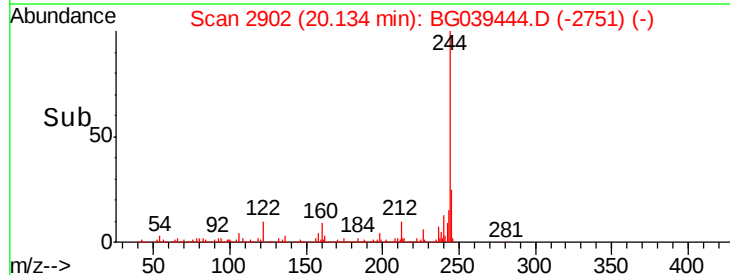
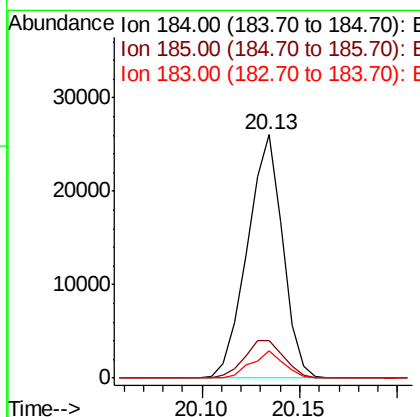
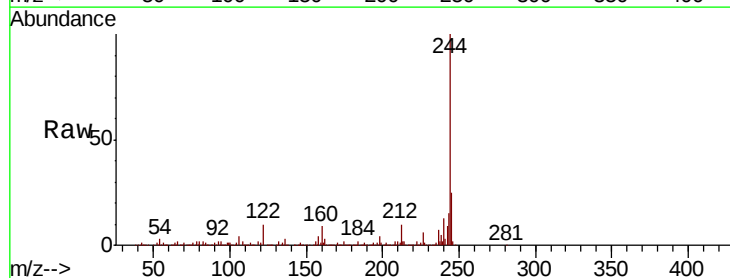
Instrument :
 BNA_G
 ClientSampleId :
 SU-03-020819-B

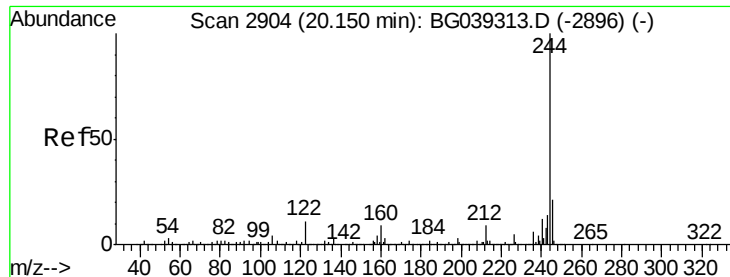
Tgt Ion:240 Resp: 439013
 Ion Ratio Lower Upper
 240 100
 120 9.0 7.0 10.6
 236 26.1 21.0 31.4



#77
 Benzidine
 Concen: 2.269 ng
 RT: 20.13 min Scan# 2902
 Delta R.T. 0.36 min
 Lab File: BG039444.D
 Acq: 11 Feb 2019 21:28

Tgt Ion:184 Resp: 32657
 Ion Ratio Lower Upper
 184 100
 185 15.7 12.2 18.2
 183 11.4 10.6 15.8





#79

Terphenyl-d14

Concen: 88.075 ng

RT: 20.13 min Scan# 2902

Delta R.T. -0.02 min

Lab File: BG039444.D

Acq: 11 Feb 2019 21:28

Instrument :

BNA_G

ClientSampleId :

SU-03-020819-B

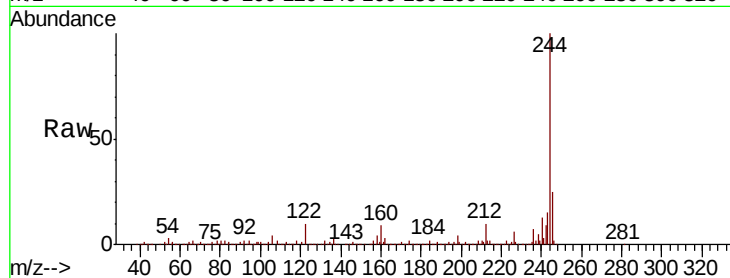
Tgt Ion:244 Resp: 1826726

Ion Ratio Lower Upper

244 100

212 9.9 7.3 10.9

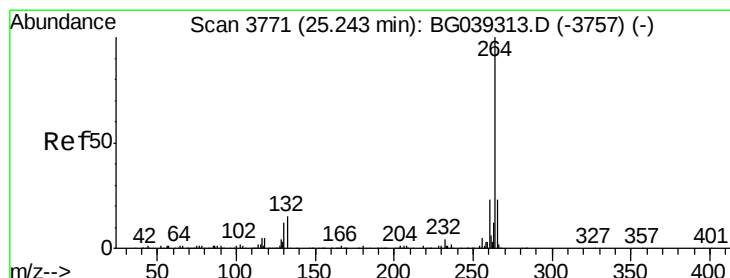
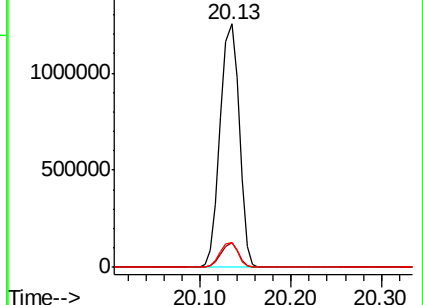
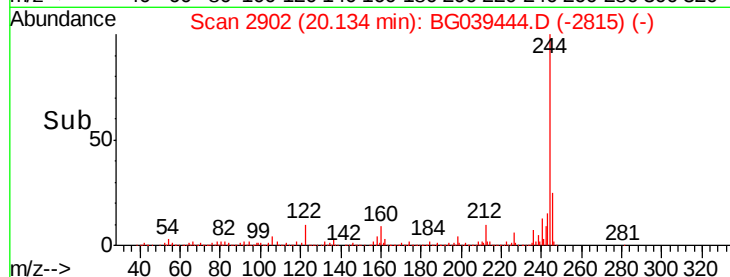
122 10.4 8.4 12.6



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.20 min Scan# 3765

Delta R.T. -0.04 min

Lab File: BG039444.D

Acq: 11 Feb 2019 21:28

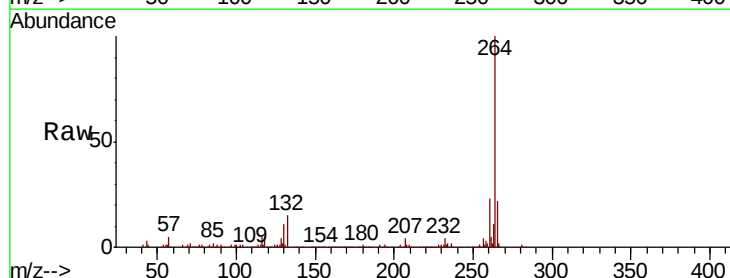
Tgt Ion:264 Resp: 440083

Ion Ratio Lower Upper

264 100

260 22.6 18.2 27.4

265 21.8 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

