

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG020619\NOT REVIEWED DATA\
 Data File : BG039371.D
 Acq On : 6 Feb 2019 15:19
 Operator : JU/SJ
 Sample : K1383-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A0C5B-SS1-4.5-5.0

Quant Time: Feb 07 01:15:30 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	59640	20.00	ng	0.00
21) Naphthalene-d8	11.00	136	261085	20.00	ng	-0.01
39) Acenaphthene-d10	14.80	164	172425	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	419160	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	428334	20.00	ng	-0.02
87) Perylene-d12	25.21	264	439437	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.72	112	577350	165.68	ng	0.00
7) Phenol-d6	7.31	99	827191	161.27	ng	0.00
23) Nitrobenzene-d5	9.35	82	485769	116.23	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	320530	172.63	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	1117200	92.95	ng	-0.01
79) Terphenyl-d14	20.14	244	1671450	82.60	ng	-0.01

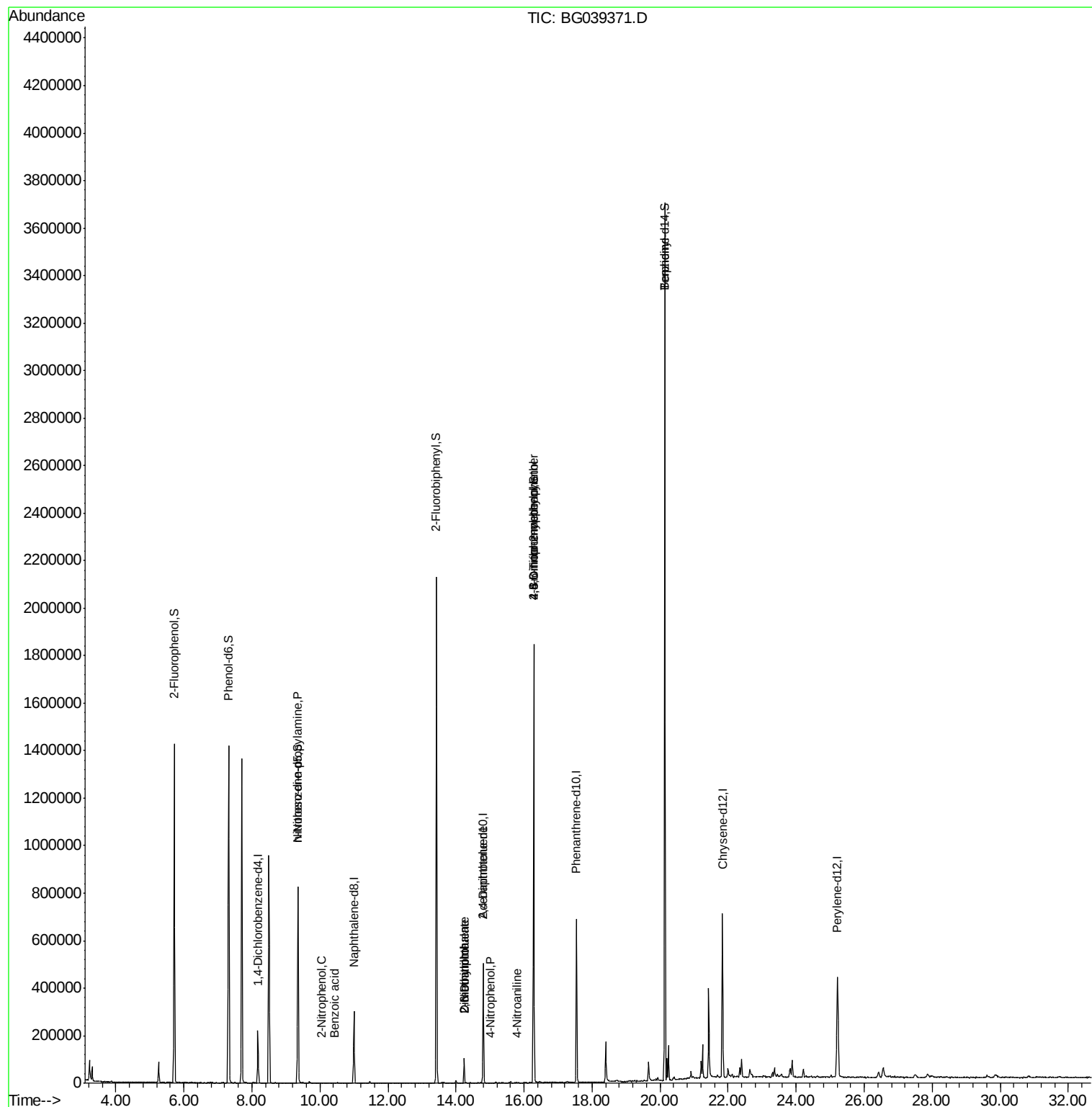
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.32	77	1583	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.35	70	63686	17.493	ng	# 68
26) 2-Nitrophenol	10.06	139	61	4.046	ng	# 31
32) Benzoic acid	10.43	122	56	9.040	ng	# 1
48) 2-Nitroaniline	14.24	65	599	8.456	ng	# 1
50) Dimethylphthalate	14.24	163	68853	4.944	ng	99
51) 2,6-Dinitrotoluene	14.24	165	746	6.807	ng	# 1
56) 4-Nitrophenol	15.02	139	62	5.817	ng	# 1
57) 2,4-Dinitrotoluene	14.80	165	22800	13.549	ng	# 20
62) 4-Nitroaniline	15.80	138	58	4.221	ng	# 10
65) 4,6-Dinitro-2-methylphenol	16.29	198	1087	5.006	ng	# 20
67) 4-Bromophenyl-phenylether	16.28	248	26146	5.623	ng	# 1
77) Benzidine	20.14	184	30999	2.207	ng	# 93

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

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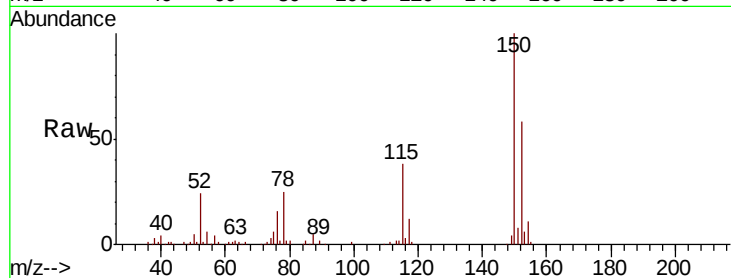


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.18 min Scan# 866
Delta R.T. -0.01 min
Lab File: BG039371.D
Acq: 6 Feb 2019 15:19

Instrument :
BNA_G
ClientSampleId :
A0C5B-SS1-4.5-5.0

Tgt Ion	Ratio	Lower	Upper
152	100		
150	171.5	123.7	185.5
115	65.6	45.9	68.9

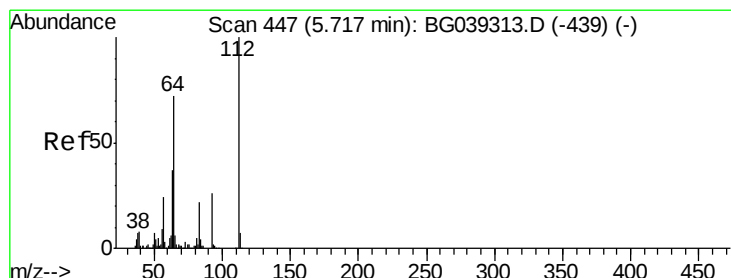
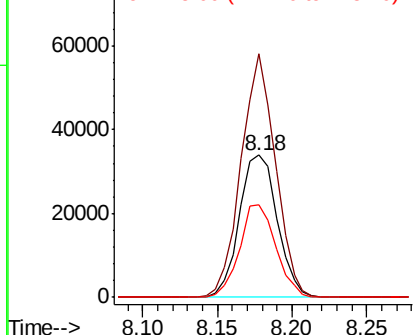
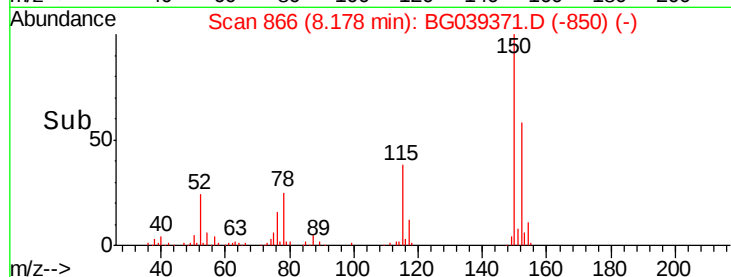


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

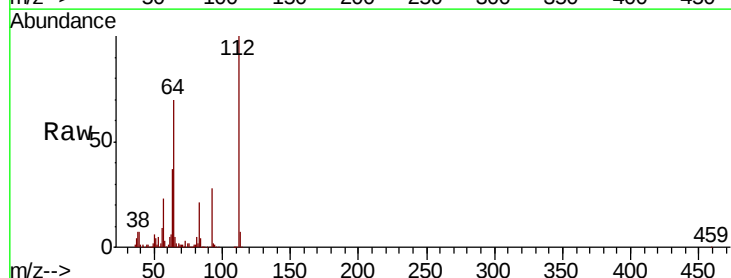
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 165.684 ng
RT: 5.72 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039371.D
Acq: 6 Feb 2019 15:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.6	57.8	86.8
63	37.4	29.8	44.6

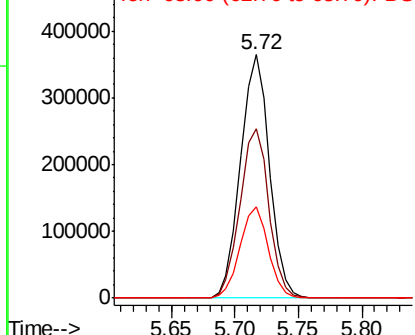
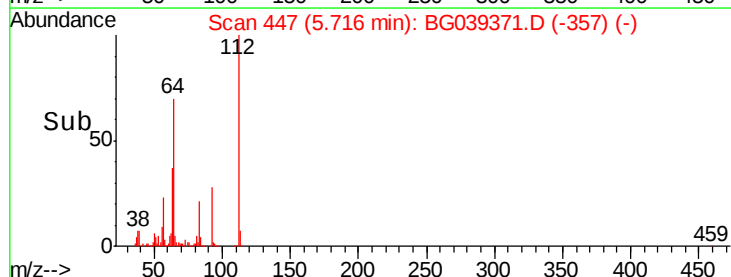


Abundance

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: 161.268 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039371.D

Acq: 6 Feb 2019 15:19

Instrument :

BNA_G

ClientSampleId :

A0C5B-SS1-4.5-5.0

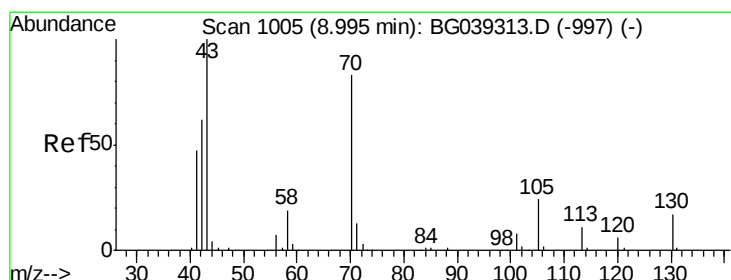
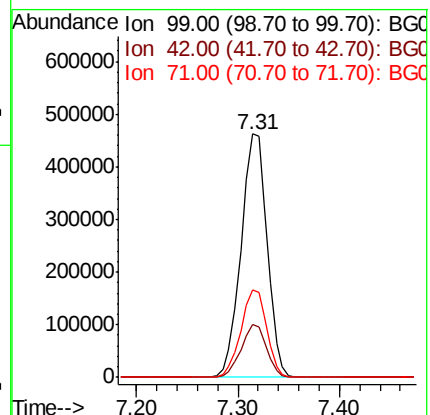
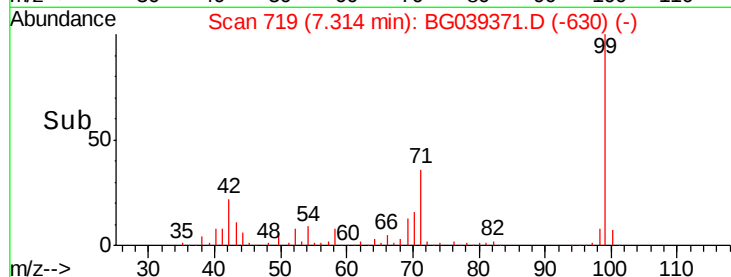
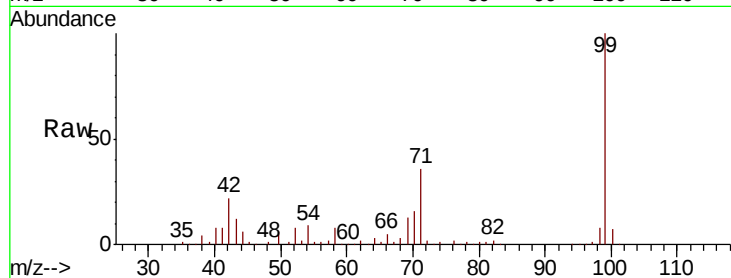
Tgt Ion: 99 Resp: 827191

Ion Ratio Lower Upper

99 100

42 21.6 18.2 27.2

71 36.0 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 17.493 ng

RT: 9.35 min Scan# 1066

Delta R.T. 0.36 min

Lab File: BG039371.D

Acq: 6 Feb 2019 15:19

Tgt Ion: 70 Resp: 63686

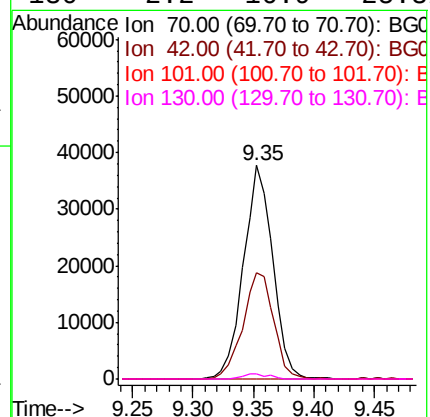
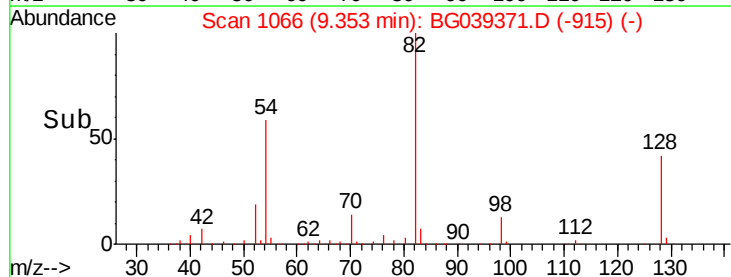
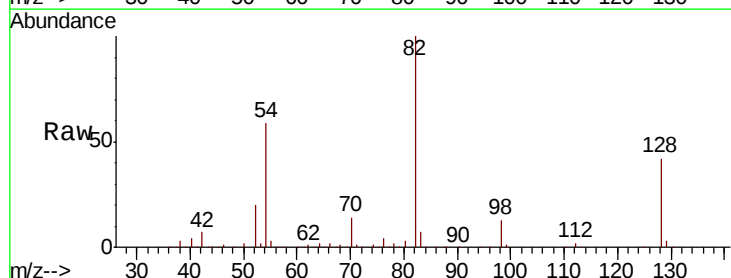
Ion Ratio Lower Upper

70 100

42 49.5 60.4 90.6#

101 0.0 7.5 11.3#

130 2.2 16.9 25.3#

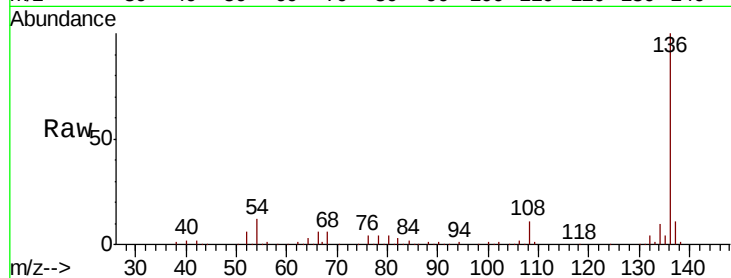




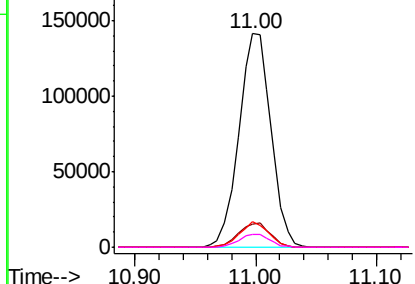
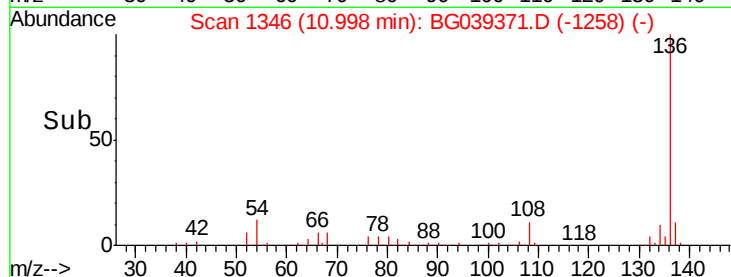
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BG039371.D
Acq: 6 Feb 2019 15:19

Instrument :
BNA_G
ClientSampleId :
A0C5B-SS1-4.5-5.0

Tgt Ion:	136	Resp:	261085
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	11.9	9.4	14.2
68	6.1	4.2	6.4

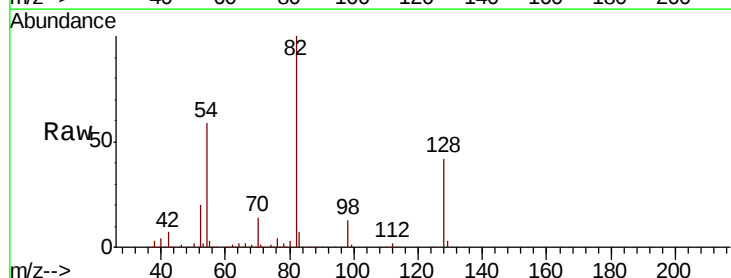


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

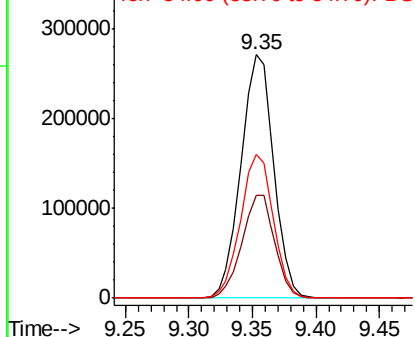
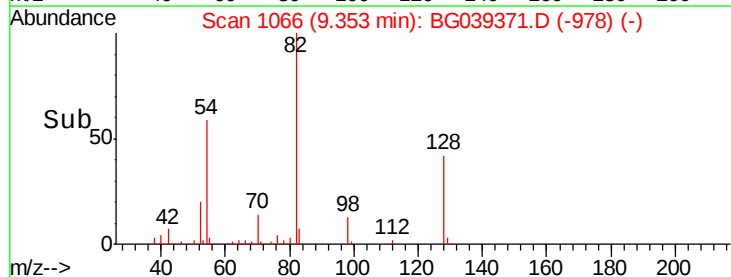


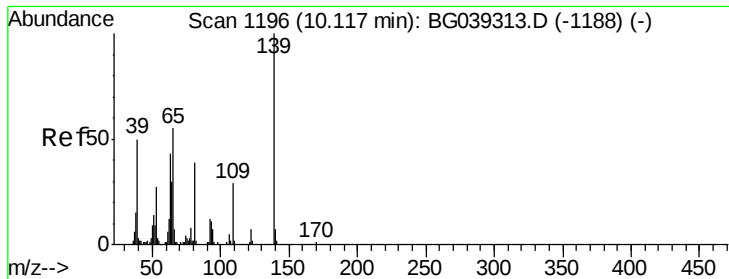
#23
Nitrobenzene-d5
Concen: 116.233 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BG039371.D
Acq: 6 Feb 2019 15:19

Tgt Ion:	82	Resp:	485769
Ion	Ratio	Lower	Upper
82	100		
128	42.2	31.3	46.9
54	59.3	50.9	76.3



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

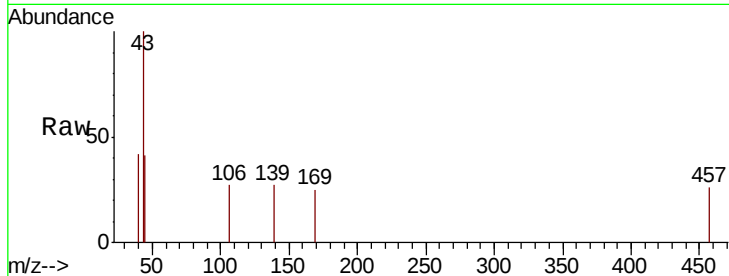




#26
2-Nitrophenol
Concen: 4.046 ng
RT: 10.06 min Scan# 1186
Delta R.T. -0.06 min
Lab File: BG039371.D
Acq: 6 Feb 2019 15:19

Instrument :
BNA_G
ClientSampleId :
A0C5B-SS1-4.5-5.0

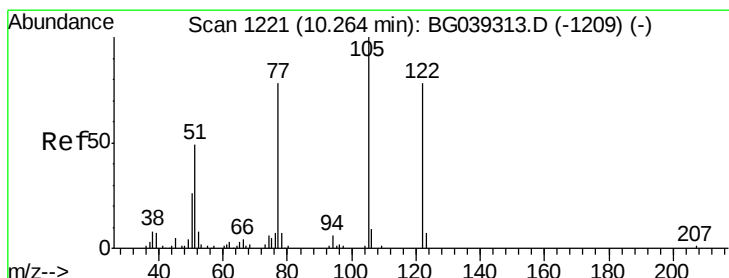
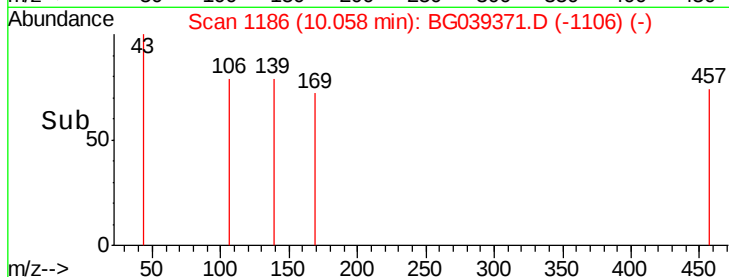
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	23.4	35.0#
65	0.0	44.3	66.5#



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

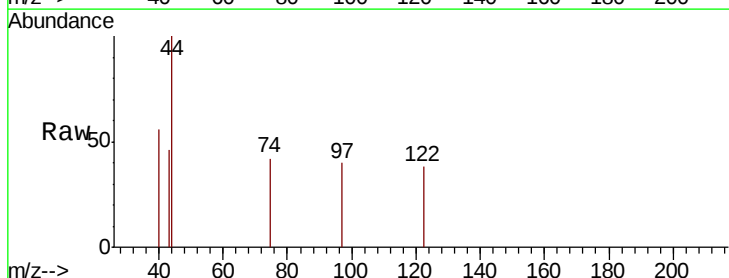
10.06

Time-->



#32
Benzoic acid
Concen: 9.040 ng
RT: 10.43 min Scan# 1249
Delta R.T. 0.16 min
Lab File: BG039371.D
Acq: 6 Feb 2019 15:19

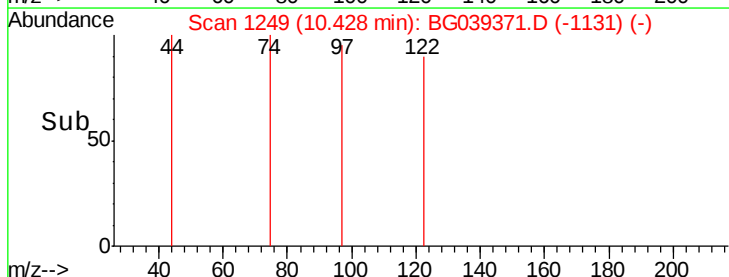
Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.8	141.8#
77	0.0	76.3	116.3#

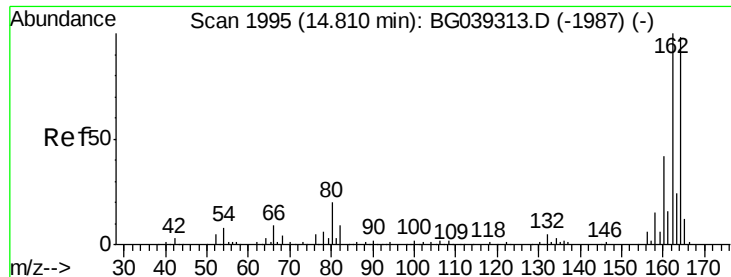


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

10.43

Time-->





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BG039371.D

Acq: 6 Feb 2019 15:19

Instrument :

BNA_G

ClientSampleId :

A0C5B-SS1-4.5-5.0

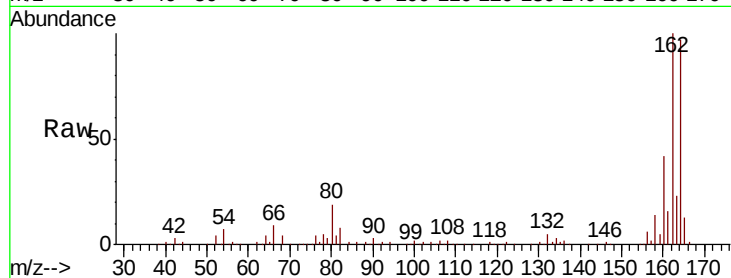
Tgt Ion:164 Resp: 172425

Ion Ratio Lower Upper

164 100

162 102.9 81.6 122.4

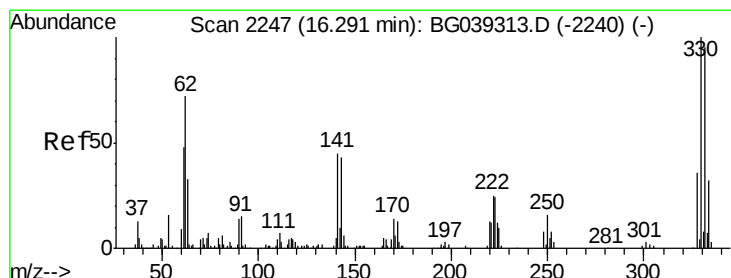
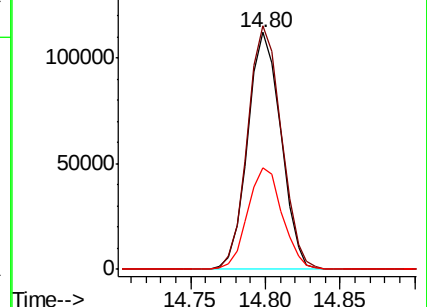
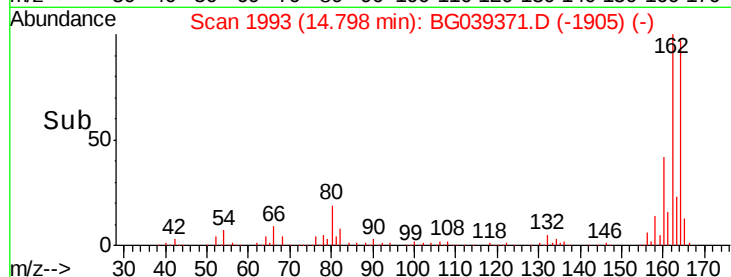
160 42.7 34.2 51.2



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: 172.632 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039371.D

Acq: 6 Feb 2019 15:19

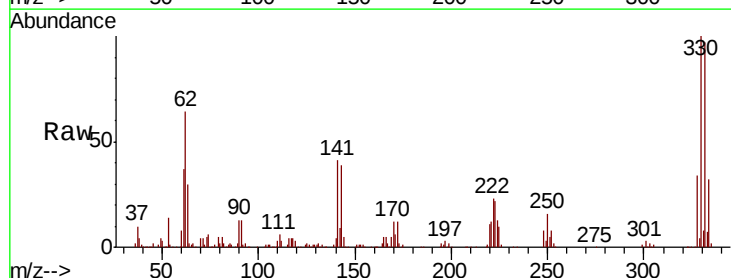
Tgt Ion:330 Resp: 320530

Ion Ratio Lower Upper

330 100

332 95.2 75.7 113.5

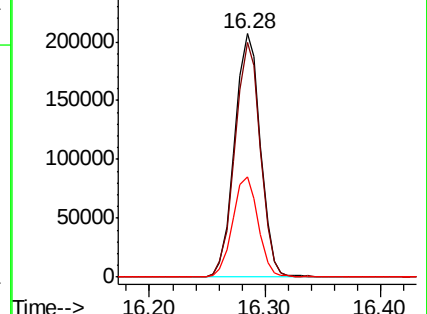
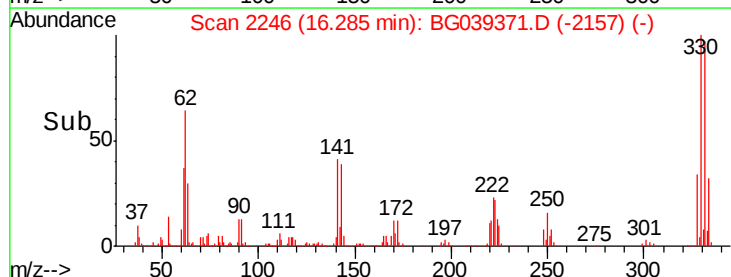
141 40.7 35.6 53.4

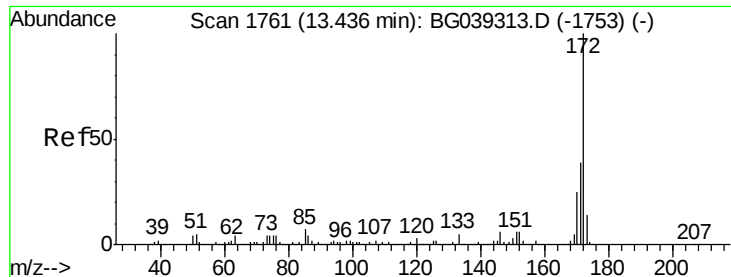


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

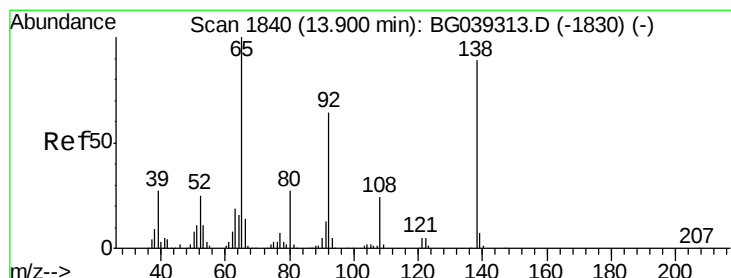
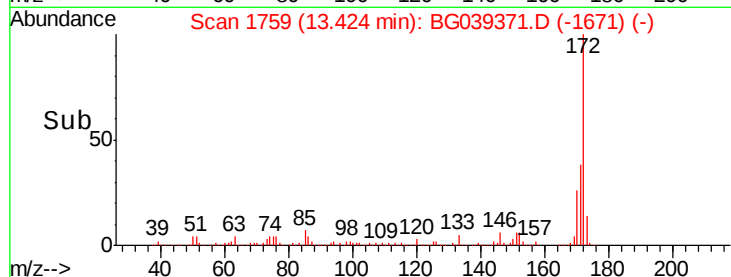
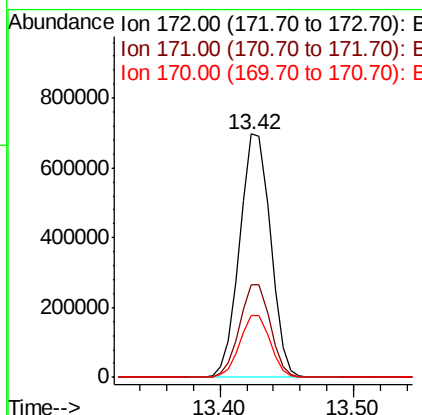
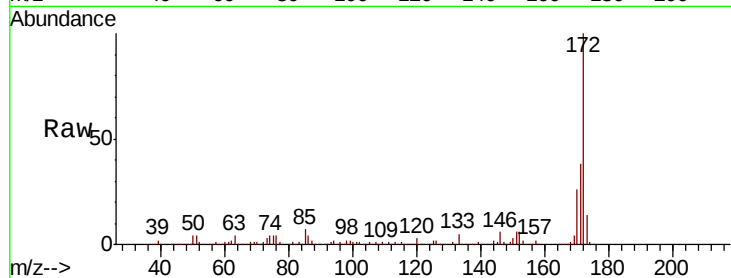




#45
 2-Fluorobiphenyl
 Concen: 92.949 ng
 RT: 13.42 min Scan# 1759
 Delta R.T. -0.01 min
 Lab File: BG039371.D
 Acq: 6 Feb 2019 15:19

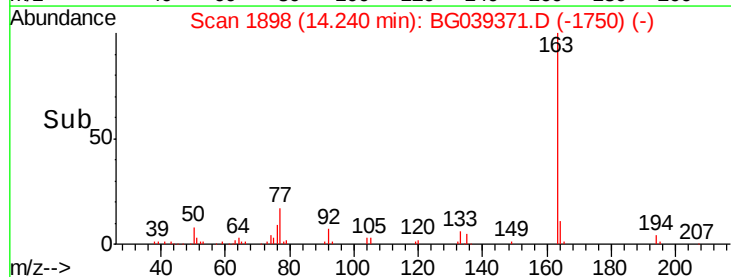
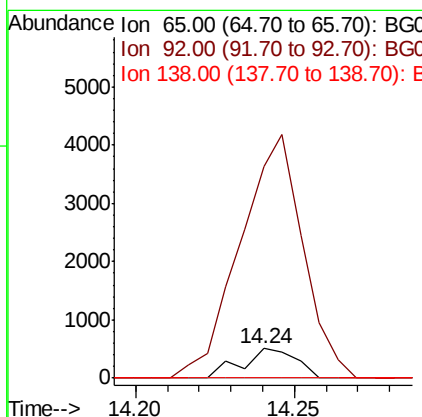
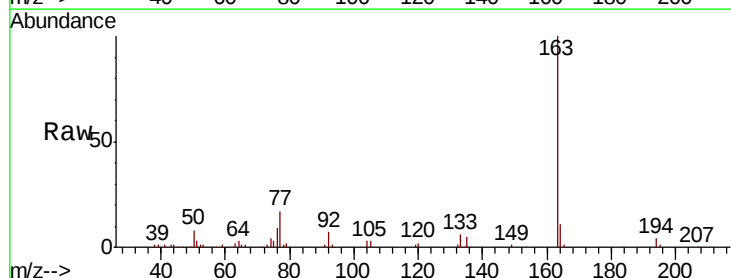
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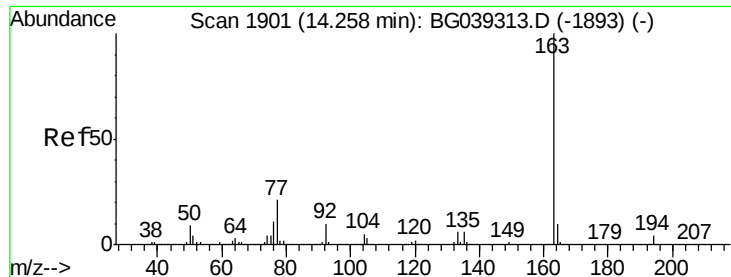
Tgt Ion:172 Resp: 1117200
 Ion Ratio Lower Upper
 172 100
 171 38.0 30.8 46.2
 170 25.7 20.2 30.4



#48
 2-Nitroaniline
 Concen: 8.456 ng
 RT: 14.24 min Scan# 1898
 Delta R.T. 0.34 min
 Lab File: BG039371.D
 Acq: 6 Feb 2019 15:19

Tgt Ion: 65 Resp: 599
 Ion Ratio Lower Upper
 65 100
 92 709.2 51.4 77.2#
 138 0.0 71.4 107.2#





#50

Dimethylphthalate

Concen: 4.944 ng

RT: 14.24 min Scan# 1898

Delta R.T. -0.02 min

Lab File: BG039371.D

Acq: 6 Feb 2019 15:19

Instrument :

BNA_G

ClientSampleId :

A0C5B-SS1-4.5-5.0

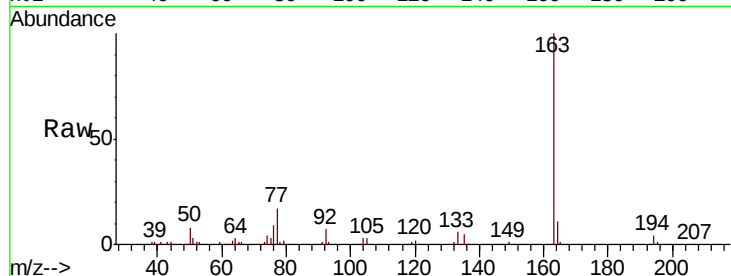
Tgt Ion:163 Resp: 68853

Ion Ratio Lower Upper

163 100

194 3.9 3.6 5.4

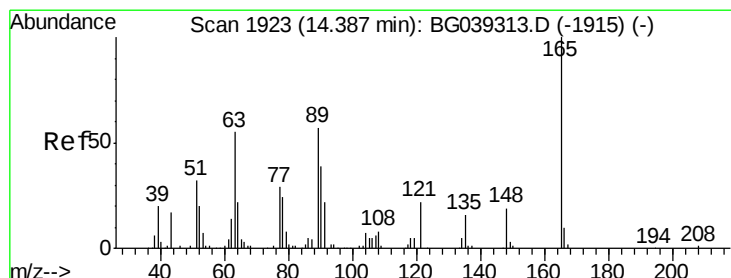
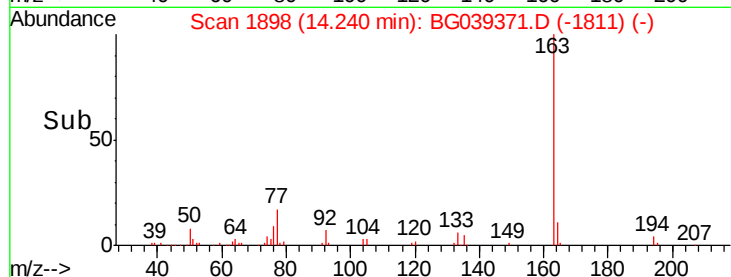
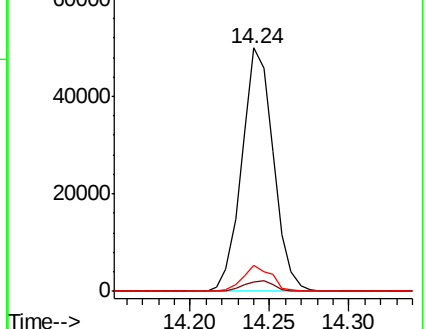
164 10.9 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 6.807 ng

RT: 14.24 min Scan# 1898

Delta R.T. -0.15 min

Lab File: BG039371.D

Acq: 6 Feb 2019 15:19

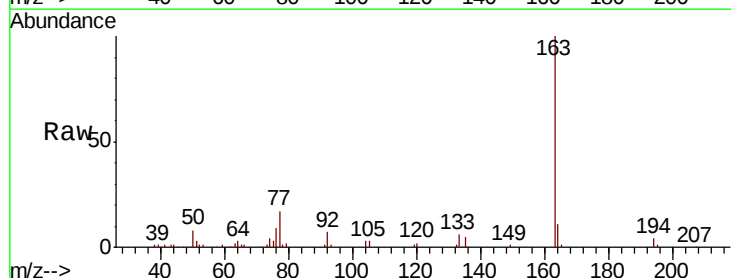
Tgt Ion:165 Resp: 746

Ion Ratio Lower Upper

165 100

63 173.1 47.0 70.6#

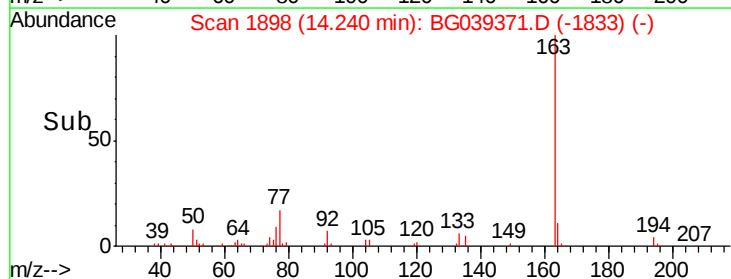
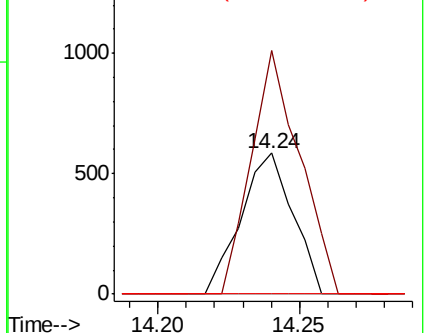
89 0.0 45.8 68.8#

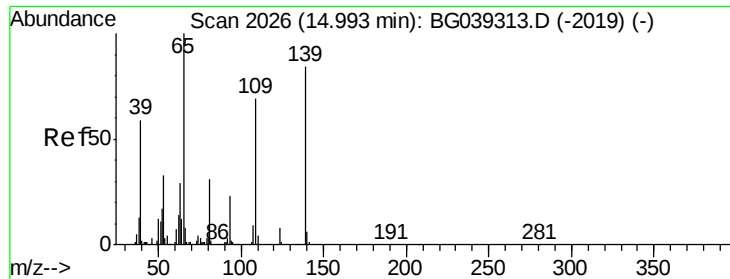


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

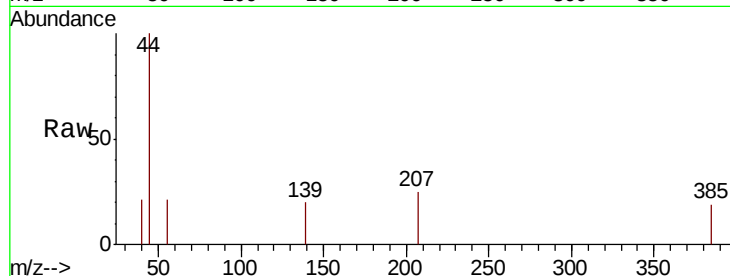




#56
4-Nitrophenol
Concen: 5.817 ng
RT: 15.02 min Scan# 2031
Delta R.T. 0.03 min
Lab File: BG039371.D
Acq: 6 Feb 2019 15:19

Instrument :
BNA_G
ClientSampleId :
A0C5B-SS1-4.5-5.0

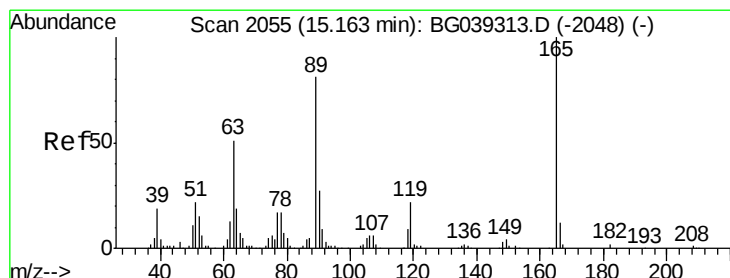
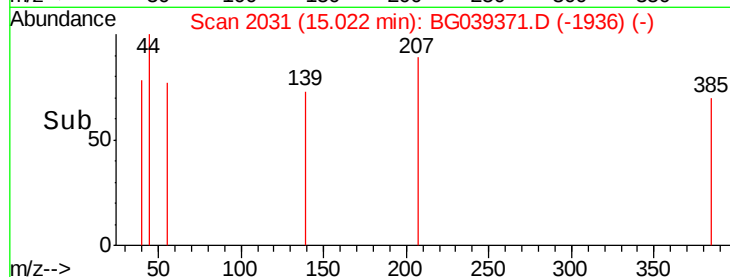
Tgt Ion:139 Resp: 62
Ion Ratio Lower Upper
139 100
109 0.0 61.9 101.9#
65 0.0 99.1 139.1#



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

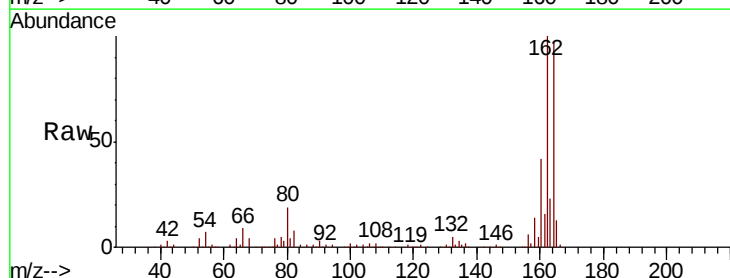
15.02

Time--> 15.00 15.02 15.04



#57
2,4-Dinitrotoluene
Concen: 13.549 ng
RT: 14.80 min Scan# 1993
Delta R.T. -0.36 min
Lab File: BG039371.D
Acq: 6 Feb 2019 15:19

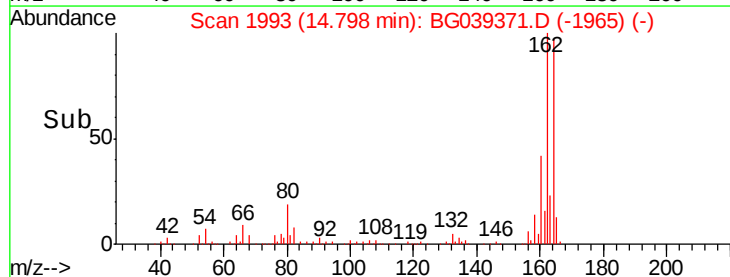
Tgt Ion:165 Resp: 22800
Ion Ratio Lower Upper
165 100
63 1.2 41.0 61.6#
89 2.7 64.6 96.8#
182 0.0 2.0 3.0#

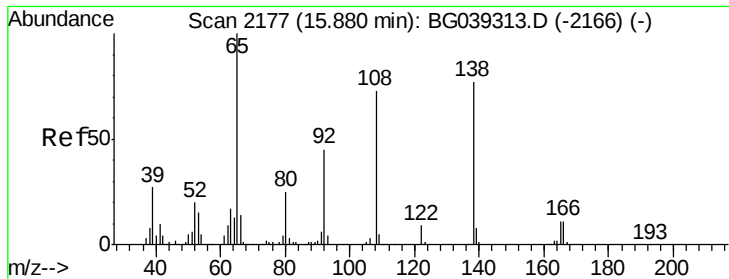


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

14.80

Time--> 14.75 14.80 14.85





#62

4-Nitroaniline

Concen: 4.221 ng

RT: 15.80 min Scan# 2163

Delta R.T. -0.08 min

Lab File: BG039371.D

Acq: 6 Feb 2019 15:19

Instrument :

BNA_G

ClientSampleId :

A0C5B-SS1-4.5-5.0

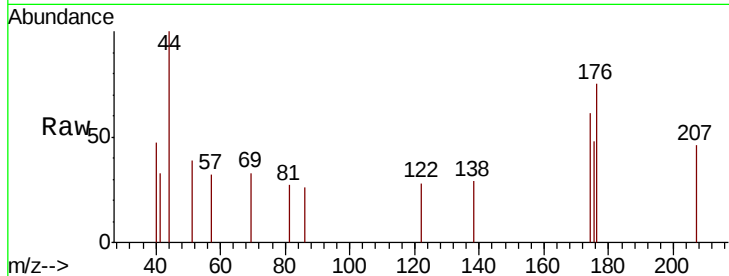
Tgt Ion:138 Resp: 58

Ion Ratio Lower Upper

138 100

92 0.0 38.7 78.7#

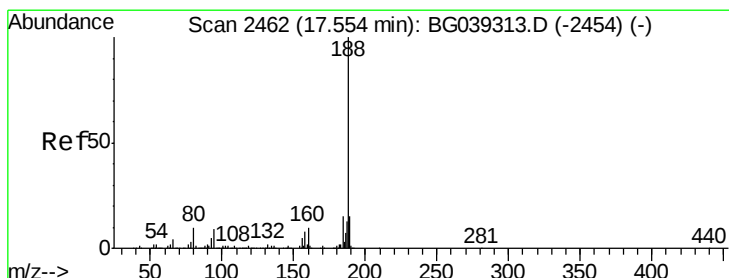
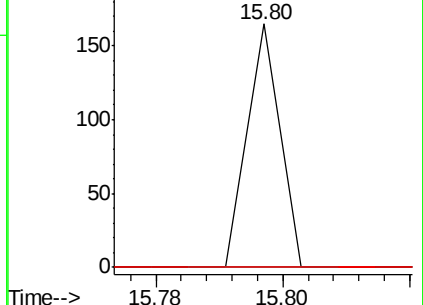
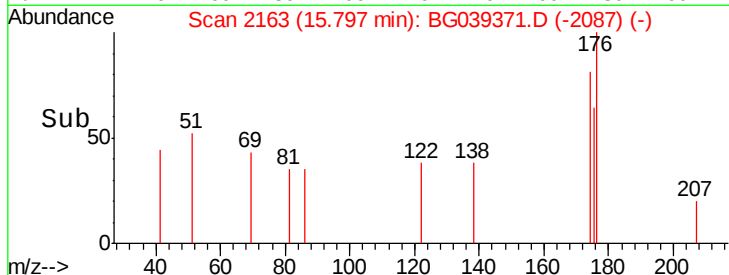
108 0.0 74.6 114.6#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG039371.D

Acq: 6 Feb 2019 15:19

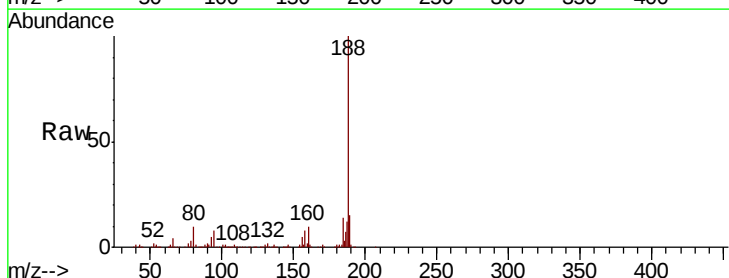
Tgt Ion:188 Resp: 419160

Ion Ratio Lower Upper

188 100

94 8.3 6.9 10.3

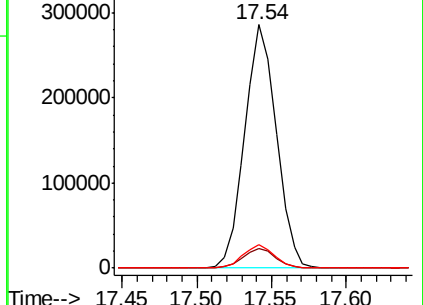
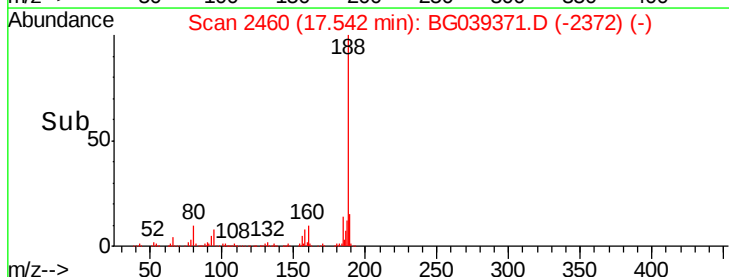
80 9.6 8.1 12.1

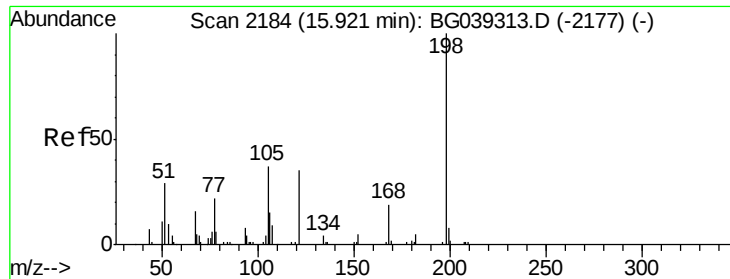


Abundance Ion 188.00 (187.70 to 188.70): E

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: 5.006 ng

RT: 16.29 min Scan# 2247

Delta R.T. 0.37 min

Lab File: BG039371.D

Acq: 6 Feb 2019 15:19

Instrument :

BNA_G

ClientSampleId :

A0C5B-SS1-4.5-5.0

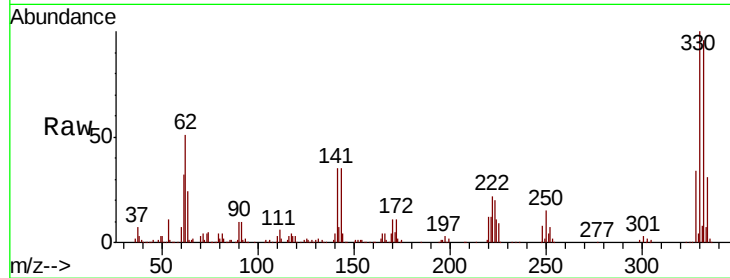
Tgt Ion:198 Resp: 1087

Ion Ratio Lower Upper

198 100

51 95.3 27.4 67.4#

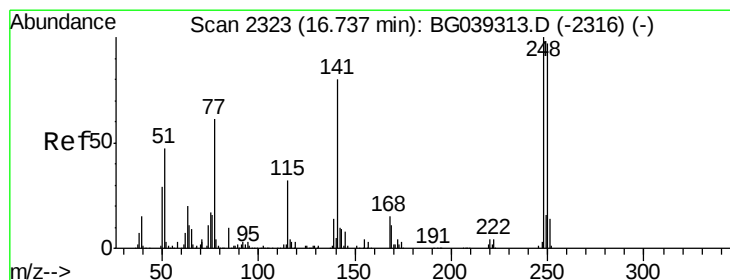
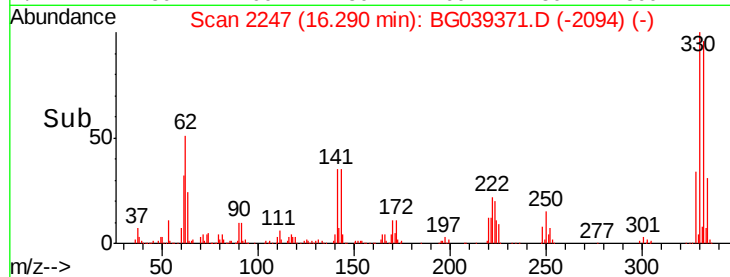
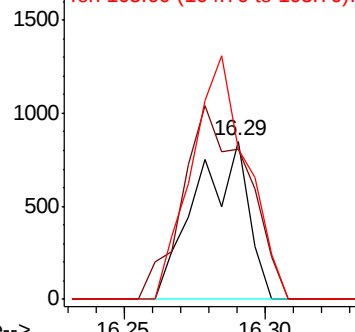
105 95.4 19.7 59.7#



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: 5.623 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.45 min

Lab File: BG039371.D

Acq: 6 Feb 2019 15:19

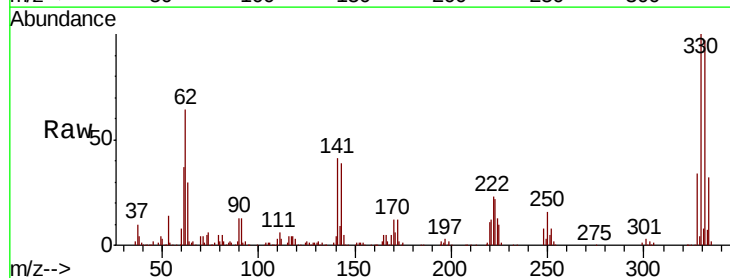
Tgt Ion:248 Resp: 26146

Ion Ratio Lower Upper

248 100

250 193.0 77.6 116.4#

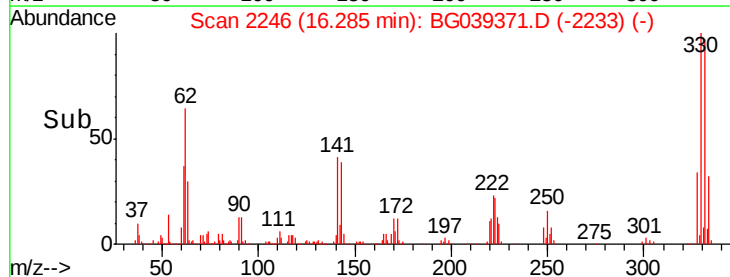
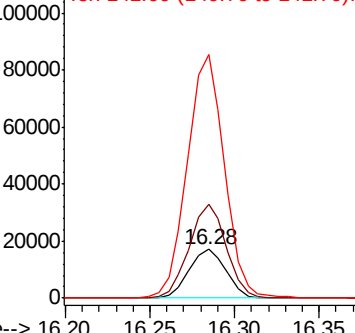
141 500.4 63.9 95.9#

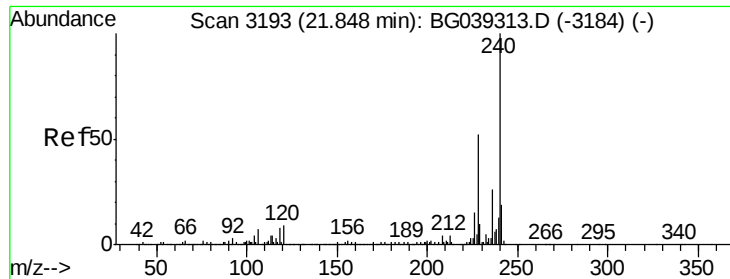


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

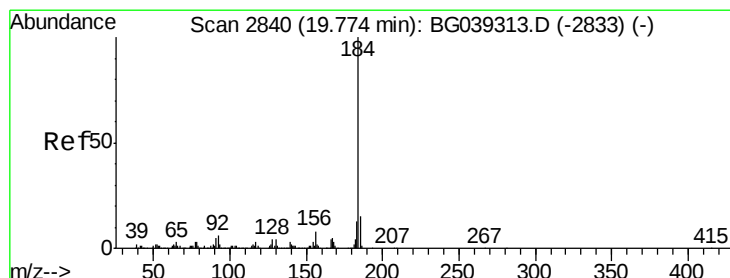
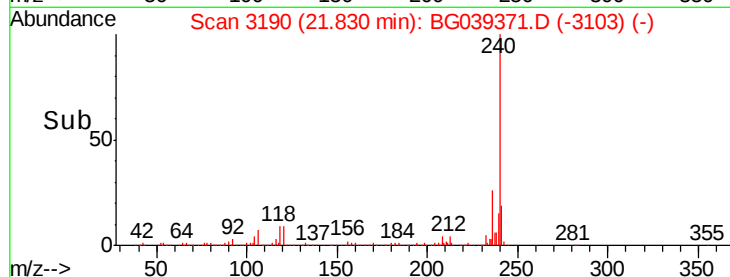
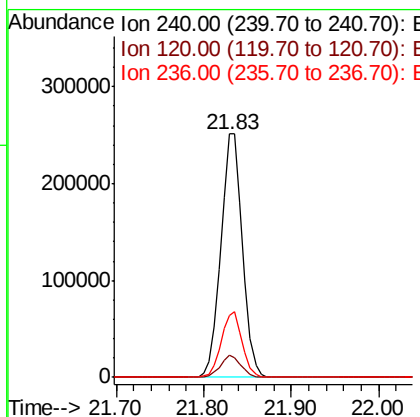
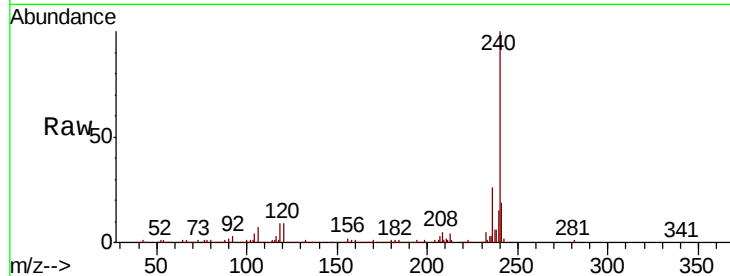




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.83 min Scan# 3190
Delta R.T. -0.02 min
Lab File: BG039371.D
Acq: 6 Feb 2019 15:19

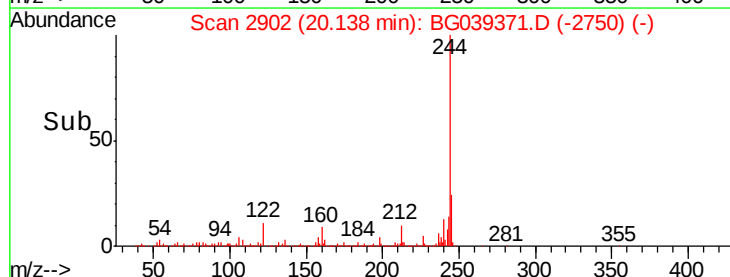
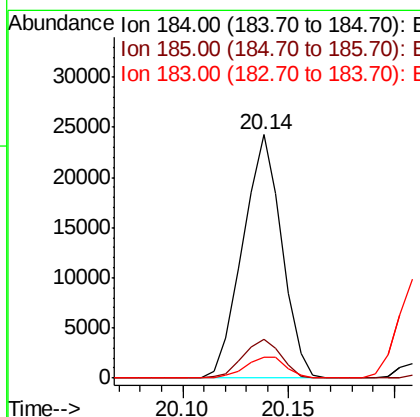
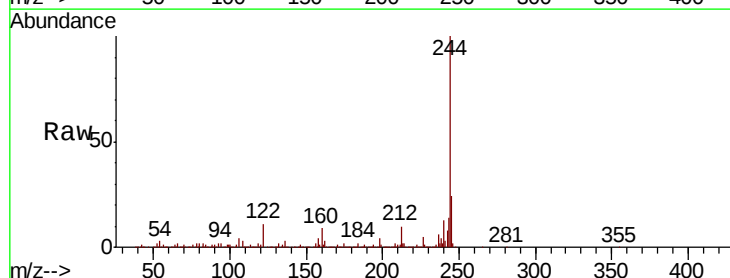
Instrument :
BNA_G
ClientSampleId :
A0C5B-SS1-4.5-5.0

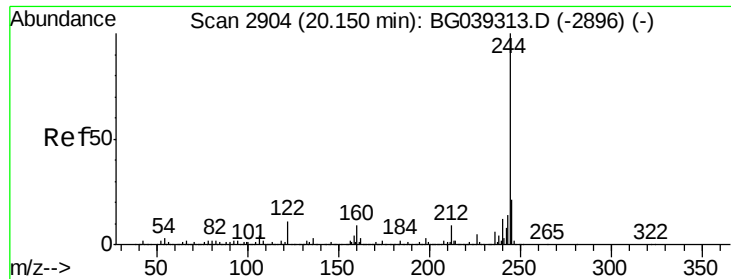
Tgt Ion:240 Resp: 428334
Ion Ratio Lower Upper
240 100
120 9.0 7.0 10.6
236 25.6 21.0 31.4



#77
Benzidine
Concen: 2.207 ng
RT: 20.14 min Scan# 2902
Delta R.T. 0.36 min
Lab File: BG039371.D
Acq: 6 Feb 2019 15:19

Tgt Ion:184 Resp: 30999
Ion Ratio Lower Upper
184 100
185 16.2 12.2 18.2
183 8.5 10.6 15.8#





#79

Terphenyl-d14

Concen: 82.598 ng

RT: 20.14 min Scan# 2902

Delta R.T. -0.01 min

Lab File: BG039371.D

Acq: 6 Feb 2019 15:19

Instrument :

BNA_G

ClientSampleId :

A0C5B-SS1-4.5-5.0

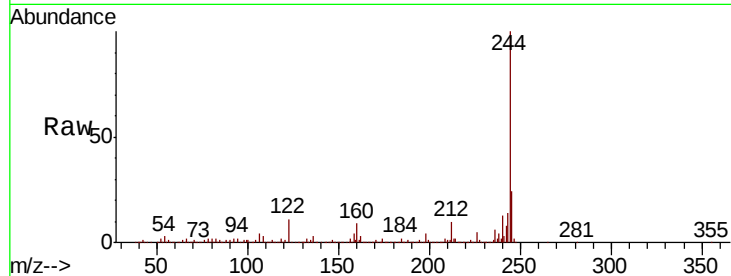
Tgt Ion:244 Resp: 1671450

Ion Ratio Lower Upper

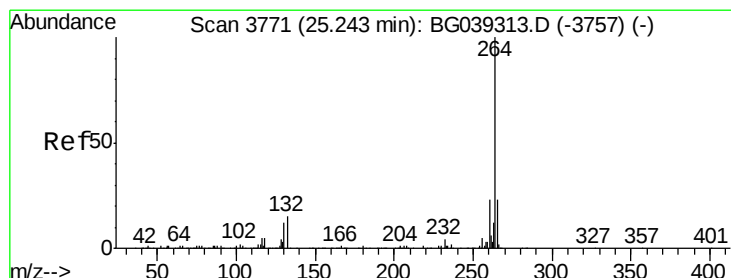
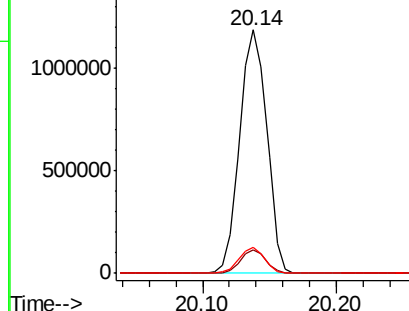
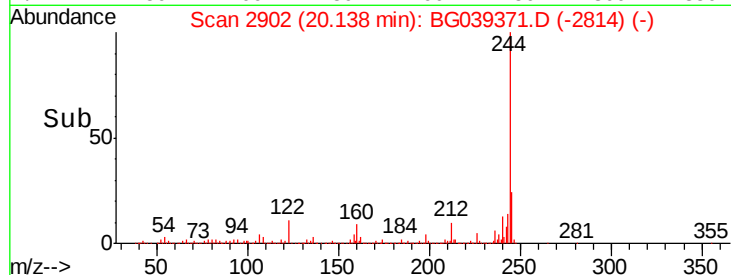
244 100

212 9.8 7.3 10.9

122 10.6 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: 25.21 min Scan# 3766

Delta R.T. -0.03 min

Lab File: BG039371.D

Acq: 6 Feb 2019 15:19

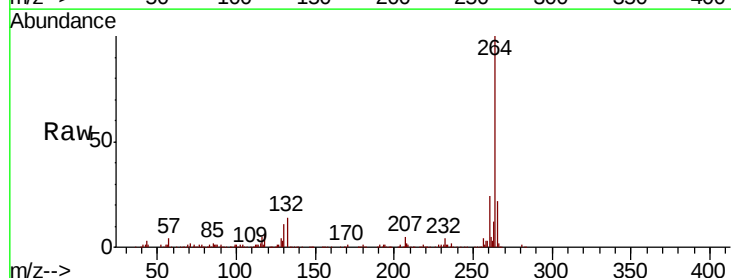
Tgt Ion:264 Resp: 439437

Ion Ratio Lower Upper

264 100

260 24.3 18.2 27.4

265 21.6 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

