

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022519\
 Data File : BG039591.D
 Acq On : 25 Feb 2019 17:53
 Operator : JU/SJ
 Sample : K1592-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-4

Quant Time: Feb 25 21:42:57 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

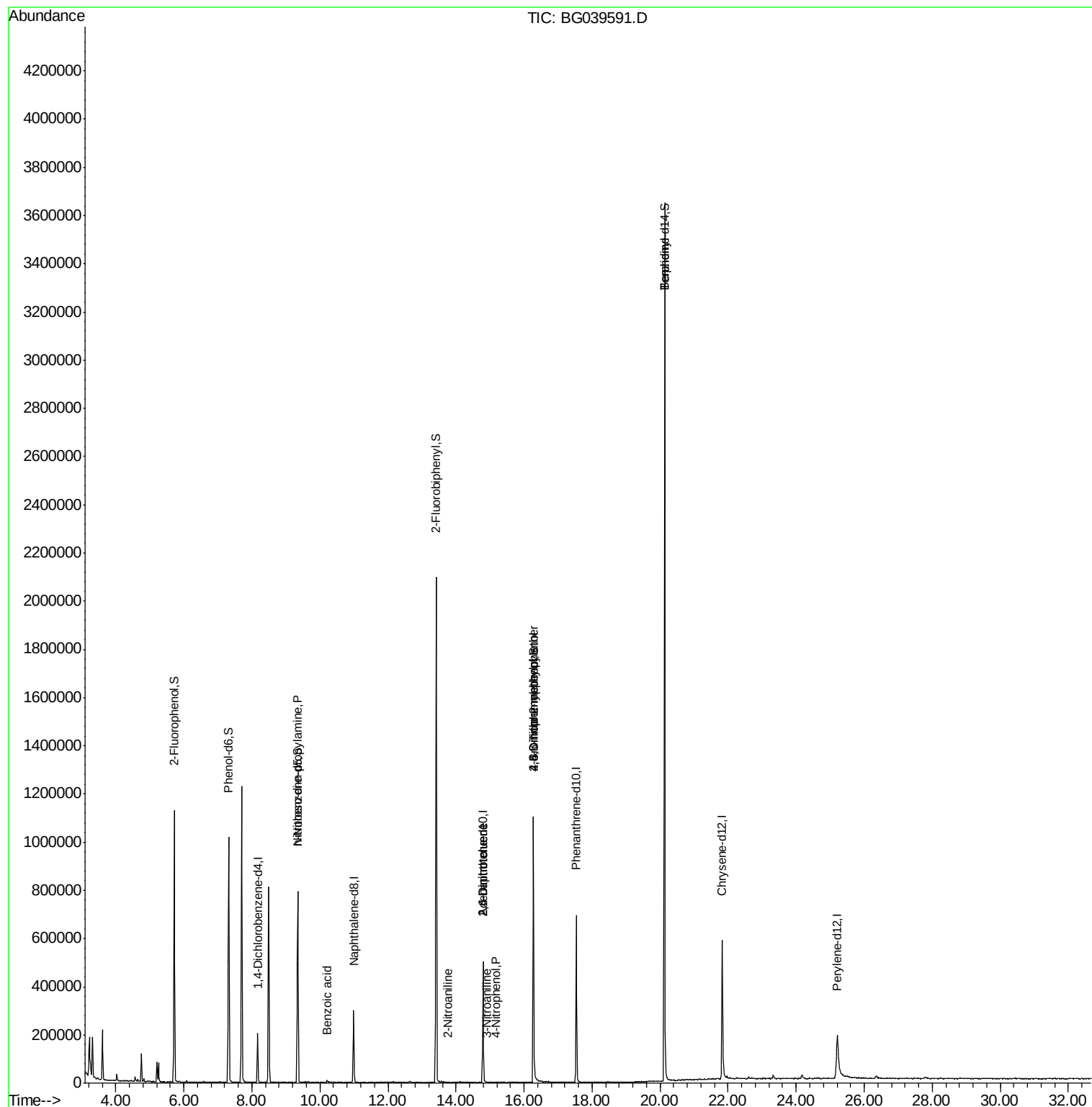
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	57048	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	255442	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	179013	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	429314	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	430052	20.00	ng	-0.02
87) Perylene-d12	25.21	264	306520	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	468432	140.54	ng	0.00
7) Phenol-d6	7.31	99	610760	124.48	ng	0.00
23) Nitrobenzene-d5	9.35	82	471920	115.41	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	212274	110.12	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	1121342	89.86	ng	-0.02
79) Terphenyl-d14	20.13	244	1781702	87.69	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.31	77	1171	Below Cal		Qvalue # 16
19) n-Nitroso-di-n-propylamine	9.35	70	62807	18.036	ng	# 72
32) Benzoic acid	10.22	122	5750	10.966	ng	# 87
48) 2-Nitroaniline	13.75	65	56	8.311	ng	# 10
51) 2,6-Dinitrotoluene	14.79	165	23436	14.047	ng	# 24
53) 3-Nitroaniline	14.90	138	67	5.813	ng	# 1
56) 4-Nitrophenol	15.19	139	376	5.927	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	23436	13.492	ng	# 20
65) 4,6-Dinitro-2-methylphenol	16.28	198	687	4.687	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	15557	3.266	ng	# 1
77) Benzidine	20.13	184	31559	2.238	ng	# 91

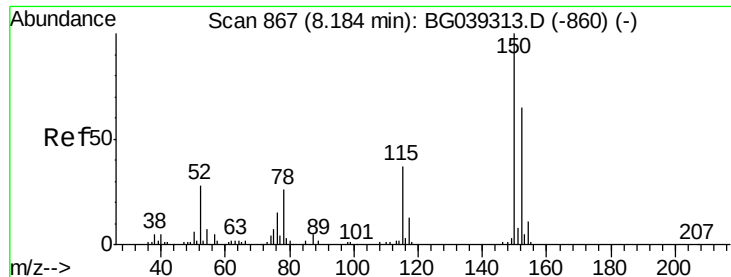
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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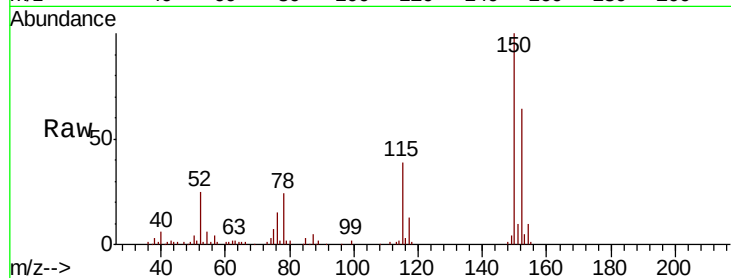


#1

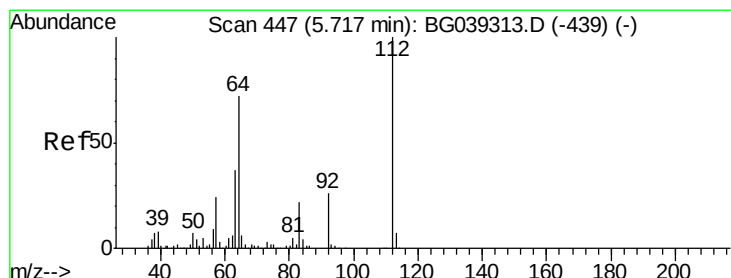
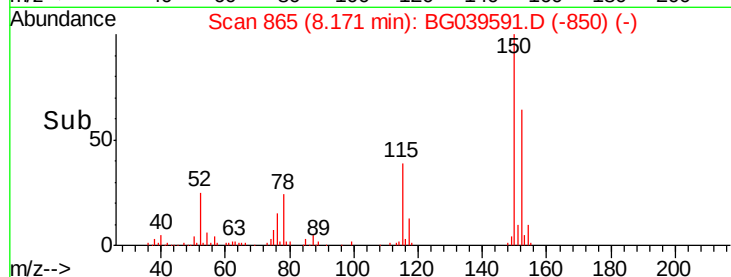
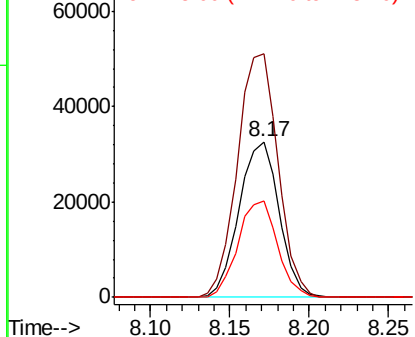
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039591.D
Acq: 25 Feb 2019 17:53

Instrument :
BNA_G
ClientSampleId :
TP-4

Tgt Ion:152 Resp: 57048
Ion Ratio Lower Upper
152 100
150 156.3 123.7 185.5
115 61.7 45.9 68.9



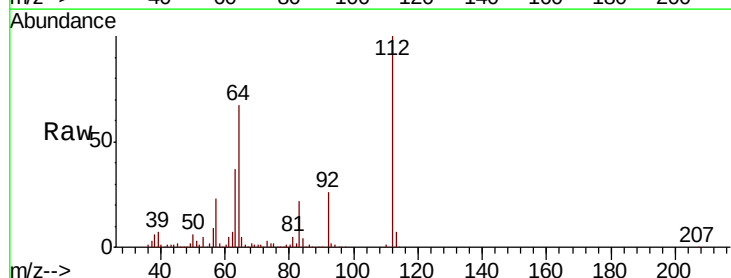
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



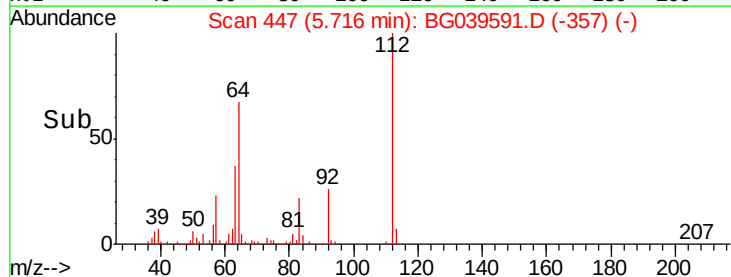
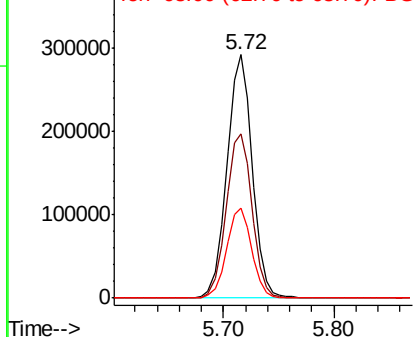
#5

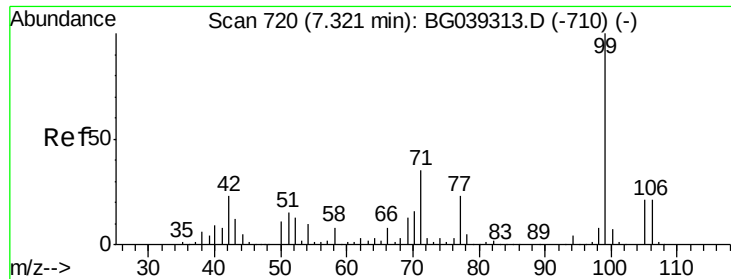
2-Fluorophenol
Concen: 140.535 ng
RT: 5.72 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039591.D
Acq: 25 Feb 2019 17:53

Tgt Ion:112 Resp: 468432
Ion Ratio Lower Upper
112 100
64 67.5 57.8 86.8
63 37.0 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: 124.483 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039591.D

Acq: 25 Feb 2019 17:53

Instrument :

BNA_G

ClientSampled :

TP-4

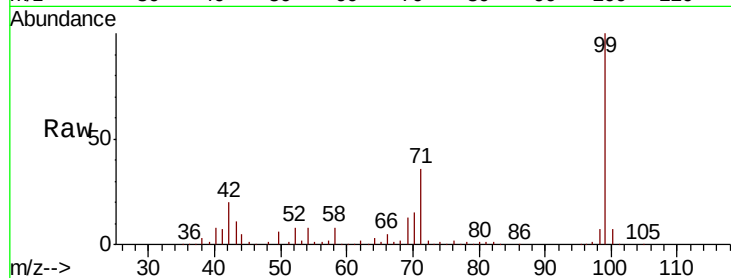
Tgt Ion: 99 Resp: 610760

Ion Ratio Lower Upper

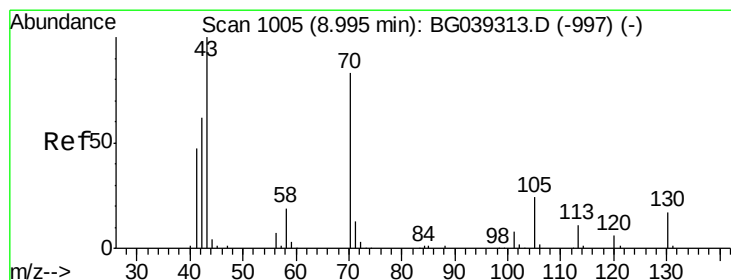
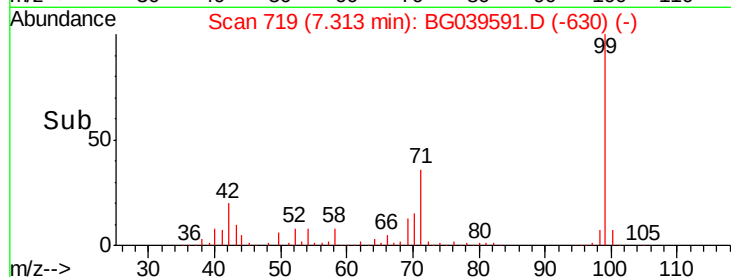
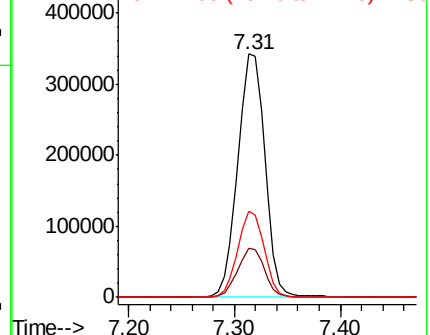
99 100

42 20.3 18.2 27.2

71 35.5 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: 18.036 ng

RT: 9.35 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039591.D

Acq: 25 Feb 2019 17:53

Tgt Ion: 70 Resp: 62807

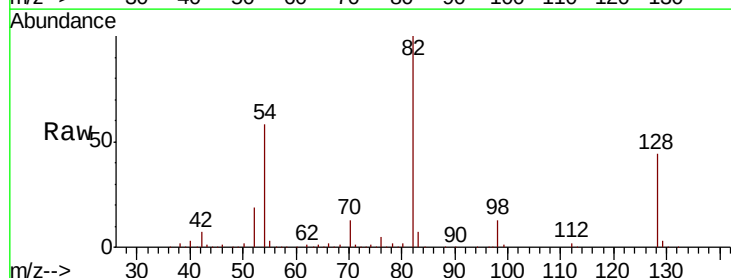
Ion Ratio Lower Upper

70 100

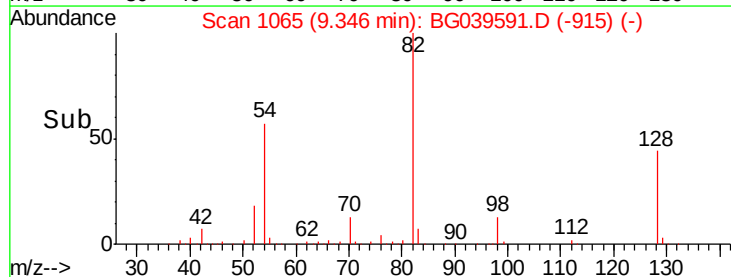
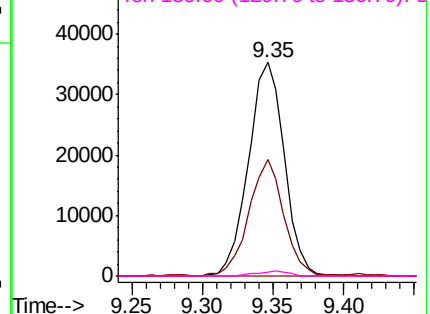
42 54.4 60.4 90.6#

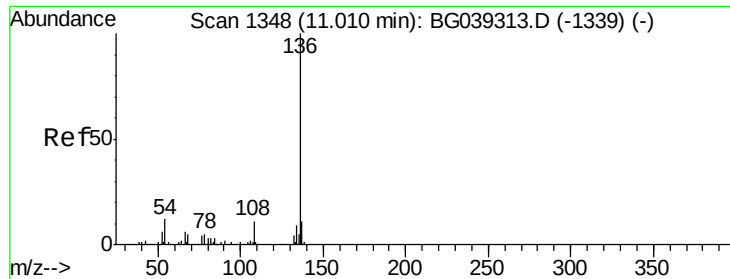
101 0.0 7.5 11.3#

130 1.7 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

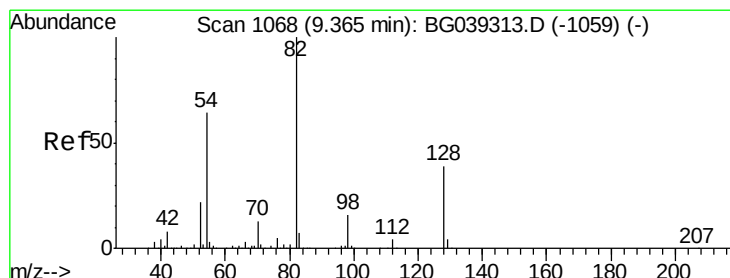
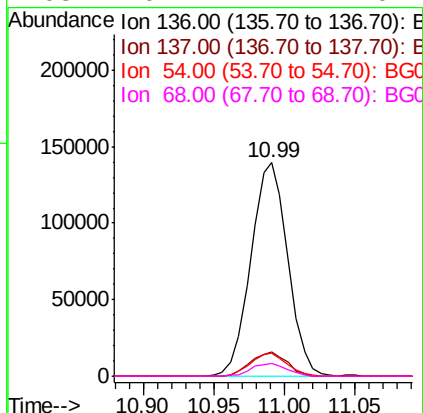
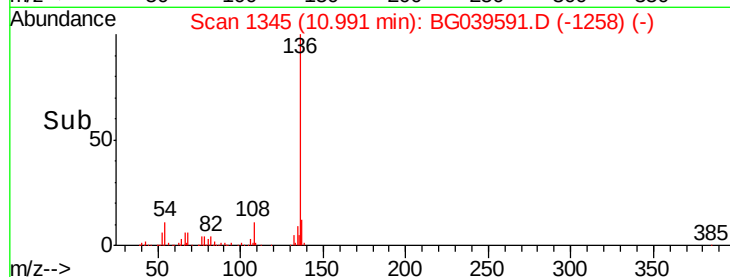
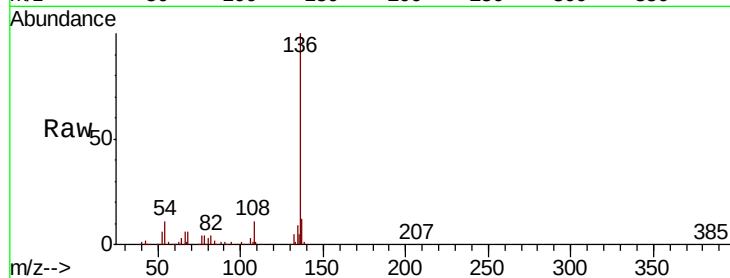




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039591.D
Acq: 25 Feb 2019 17:53

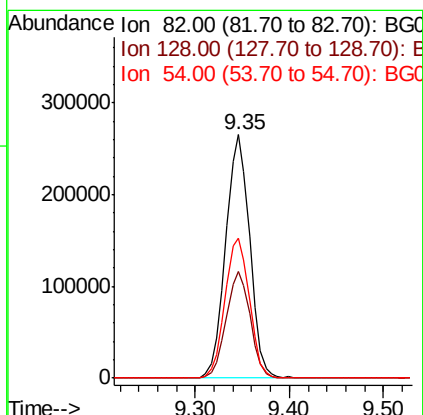
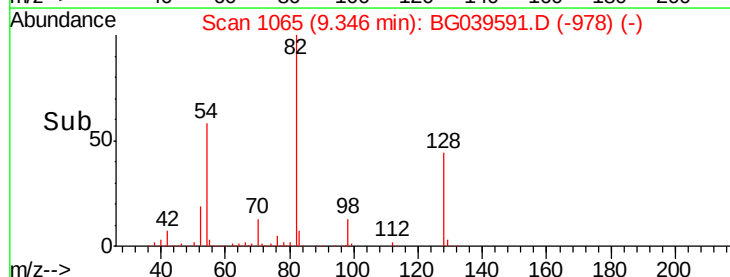
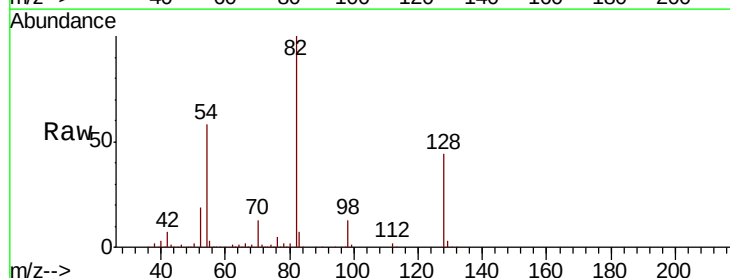
Instrument :
BNA_G
ClientSampleId :
TP-4

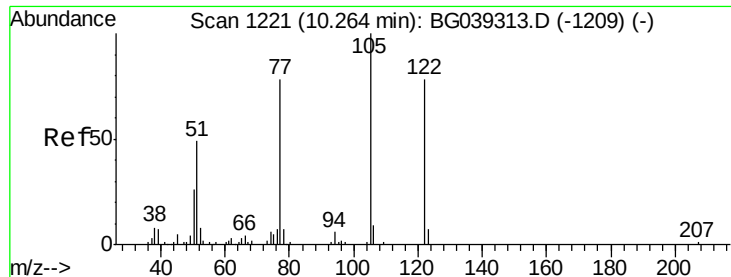
Tgt Ion:	136	Resp:	255442
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	11.0	9.4	14.2
68	6.1	4.2	6.4



#23
Nitrobenzene-d5
Concen: 115.414 ng
RT: 9.35 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039591.D
Acq: 25 Feb 2019 17:53

Tgt Ion:	82	Resp:	471920
Ion	Ratio	Lower	Upper
82	100		
128	43.8	31.3	46.9
54	57.6	50.9	76.3

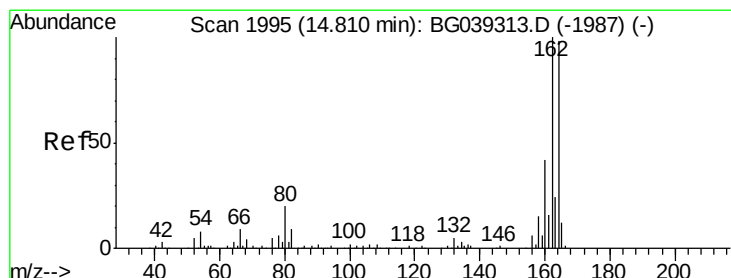
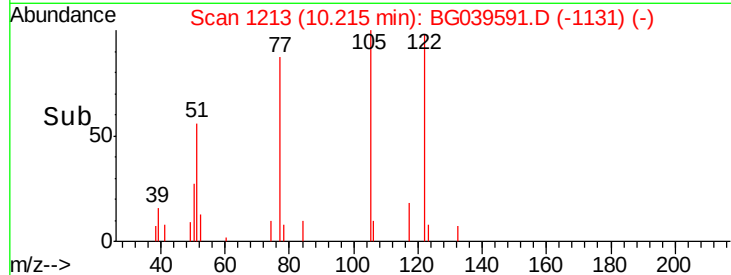
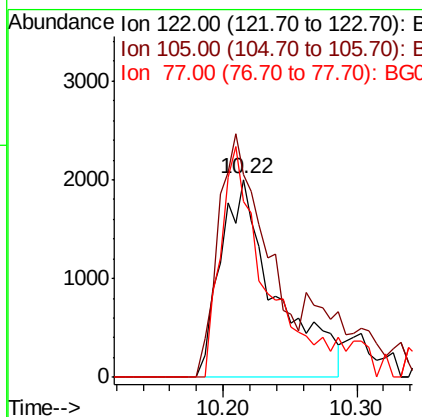
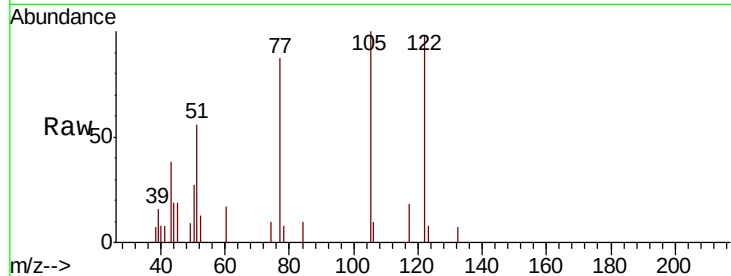




#32
Benzoic acid
Concen: 10.966 ng
RT: 10.22 min Scan# 1213
Delta R.T. -0.05 min
Lab File: BG039591.D
Acq: 25 Feb 2019 17:53

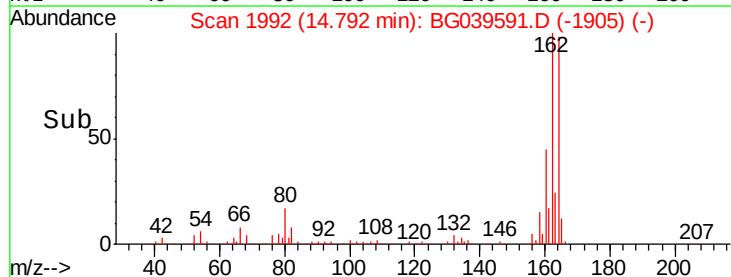
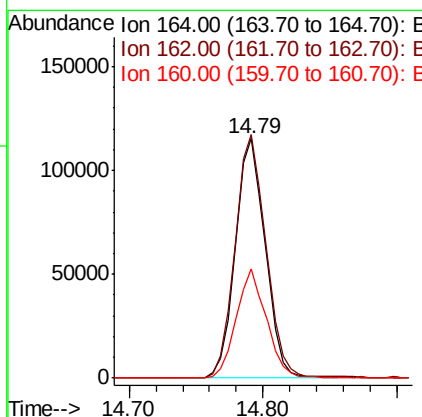
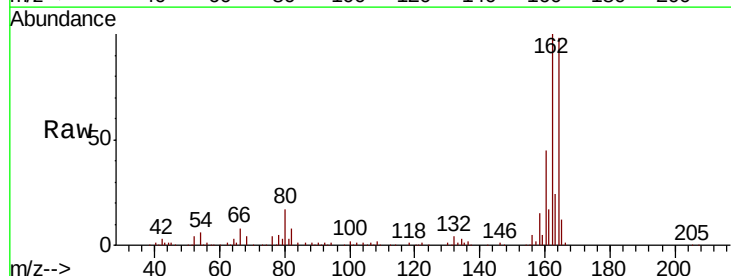
Instrument :
BNA_G
ClientSampleId :
TP-4

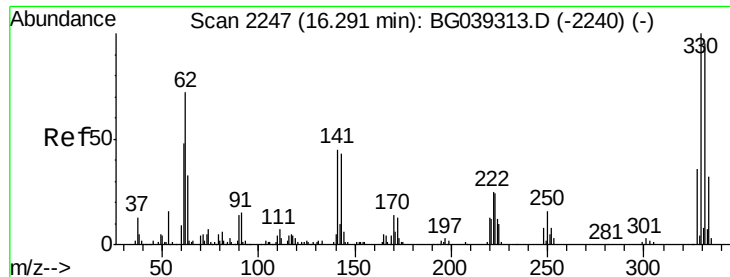
Tgt Ion:122 Resp: 5750
Ion Ratio Lower Upper
122 100
105 102.3 101.8 141.8
77 88.6 76.3 116.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.02 min
Lab File: BG039591.D
Acq: 25 Feb 2019 17:53

Tgt Ion:164 Resp: 179013
Ion Ratio Lower Upper
164 100
162 101.8 81.6 122.4
160 45.7 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 110.120 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039591.D

Acq: 25 Feb 2019 17:53

Instrument :

BNA_G

ClientSampleId :

TP-4

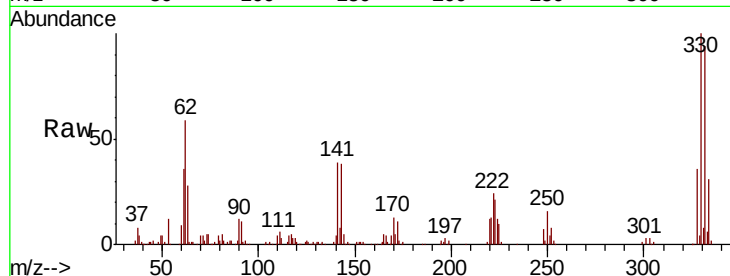
Tgt Ion:330 Resp: 212274

Ion Ratio Lower Upper

330 100

332 94.4 75.7 113.5

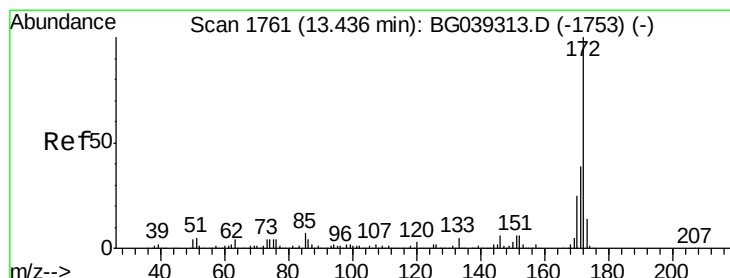
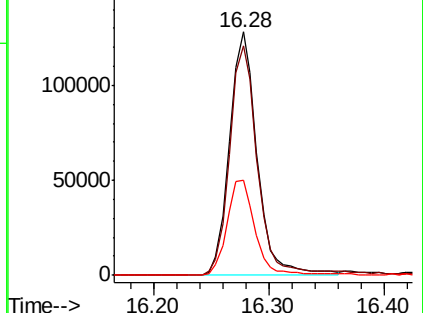
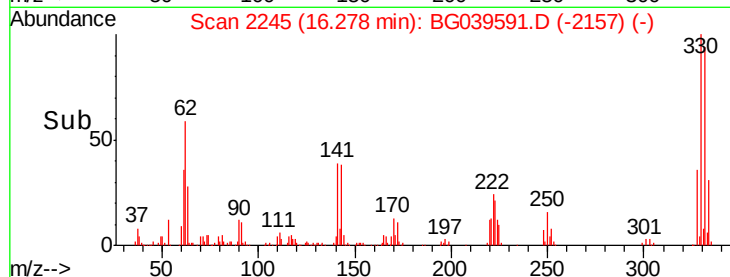
141 40.6 35.6 53.4



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: 89.861 ng

RT: 13.42 min Scan# 1758

Delta R.T. -0.02 min

Lab File: BG039591.D

Acq: 25 Feb 2019 17:53

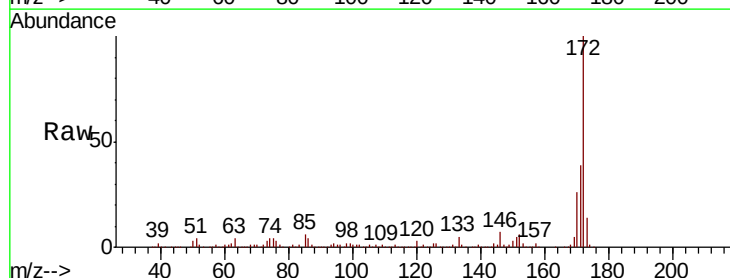
Tgt Ion:172 Resp: 1121342

Ion Ratio Lower Upper

172 100

171 39.0 30.8 46.2

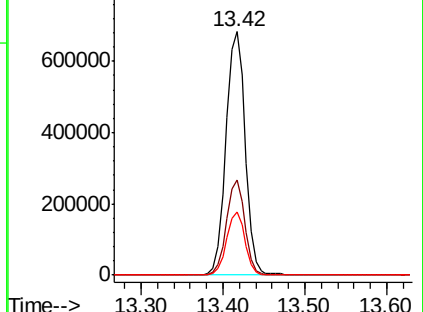
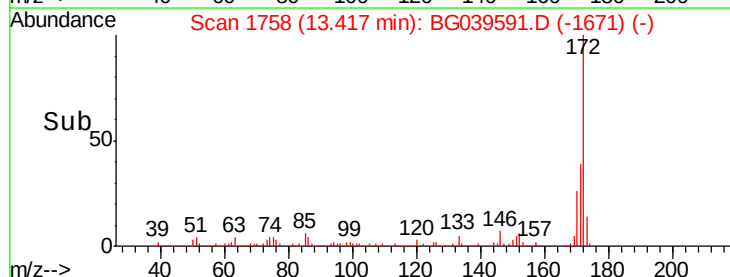
170 26.0 20.2 30.4

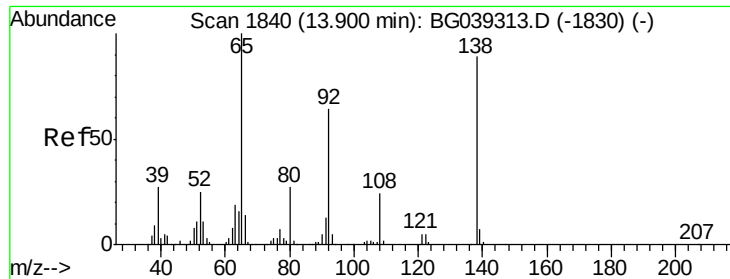


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

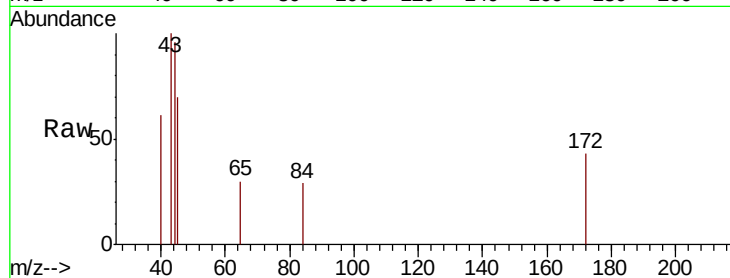




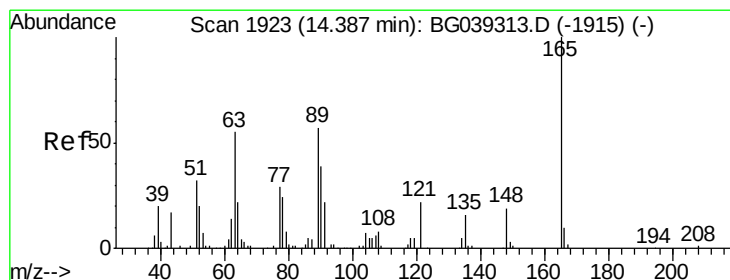
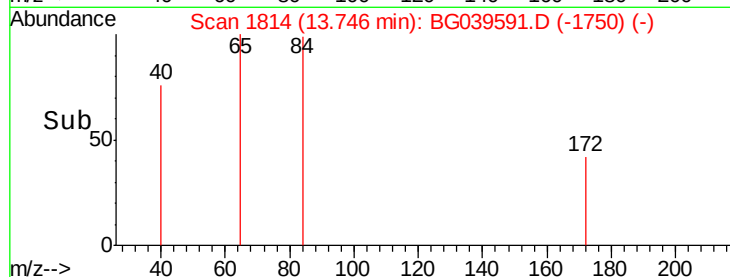
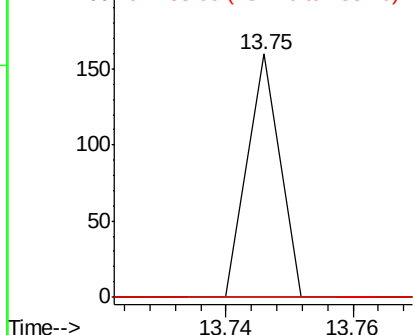
#48
2-Nitroaniline
Concen: 8.311 ng
RT: 13.75 min Scan# 1814
Delta R.T. -0.15 min
Lab File: BG039591.D
Acq: 25 Feb 2019 17:53

Instrument :
BNA_G
ClientSampleId :
TP-4

Tgt Ion: 65 Resp: 56
Ion Ratio Lower Upper
65 100
92 0.0 51.4 77.2#
138 0.0 71.4 107.2#

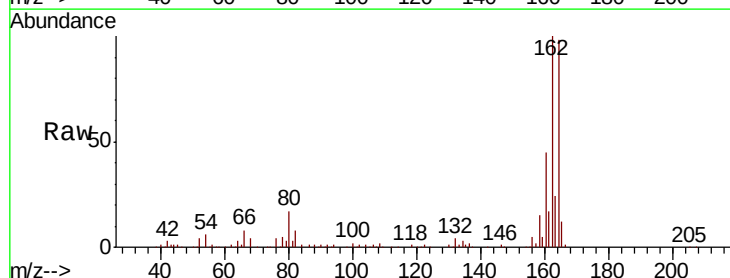


Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC

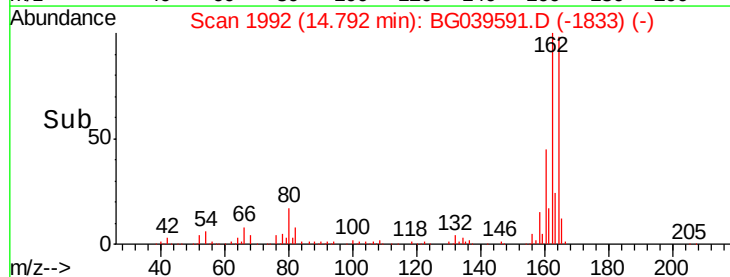
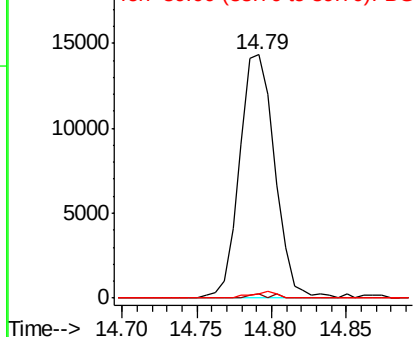


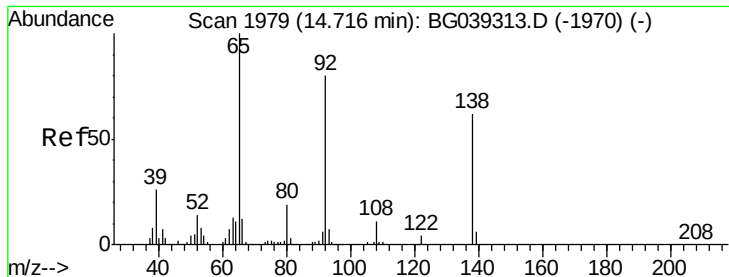
#51
2,6-Dinitrotoluene
Concen: 14.047 ng
RT: 14.79 min Scan# 1992
Delta R.T. 0.40 min
Lab File: BG039591.D
Acq: 25 Feb 2019 17:53

Tgt Ion: 165 Resp: 23436
Ion Ratio Lower Upper
165 100
63 1.8 47.0 70.6#
89 2.0 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

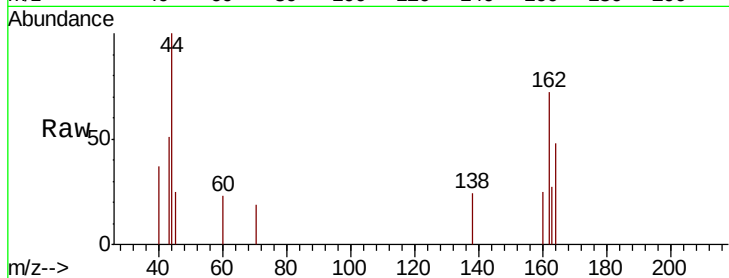




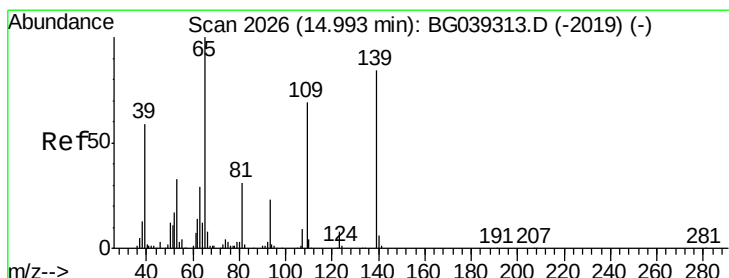
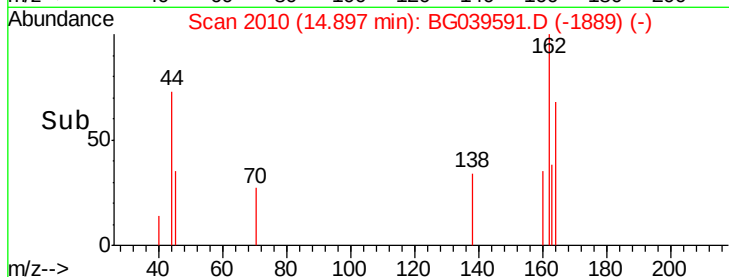
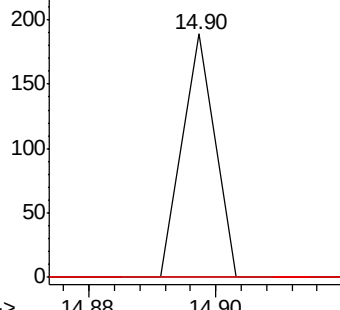
#53
3-Nitroaniline
Concen: 5.813 ng
RT: 14.90 min Scan# 2010
Delta R.T. 0.18 min
Lab File: BG039591.D
Acq: 25 Feb 2019 17:53

Instrument :
BNA_G
ClientSampleId :
TP-4

Tgt Ion:138 Resp: 67
Ion Ratio Lower Upper
138 100
108 0.0 13.8 20.8#
92 0.0 103.7 155.5#

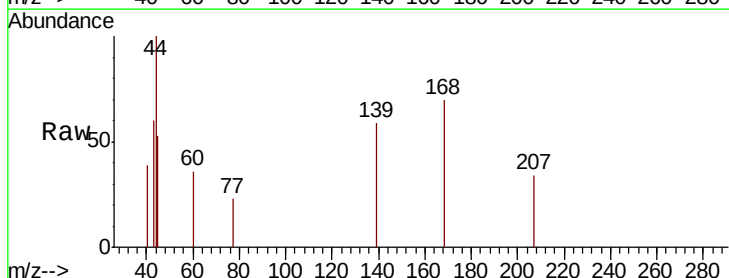


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BGC

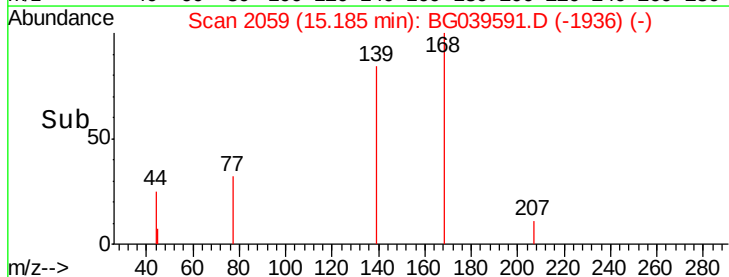
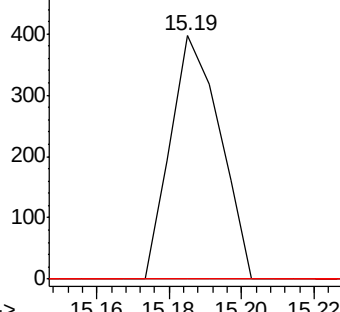


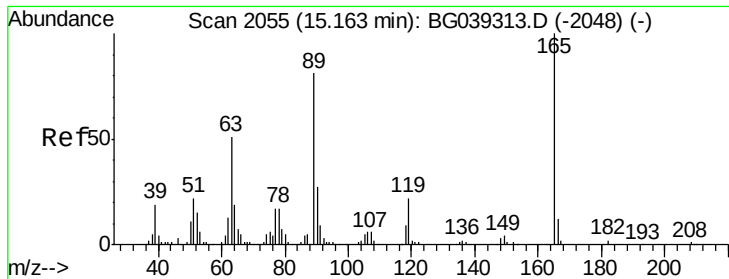
#56
4-Nitrophenol
Concen: 5.927 ng
RT: 15.19 min Scan# 2059
Delta R.T. 0.19 min
Lab File: BG039591.D
Acq: 25 Feb 2019 17:53

Tgt Ion:139 Resp: 376
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

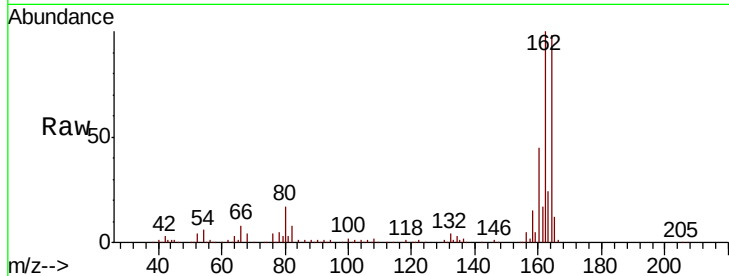




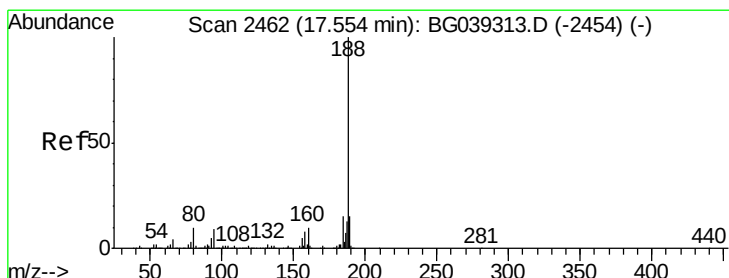
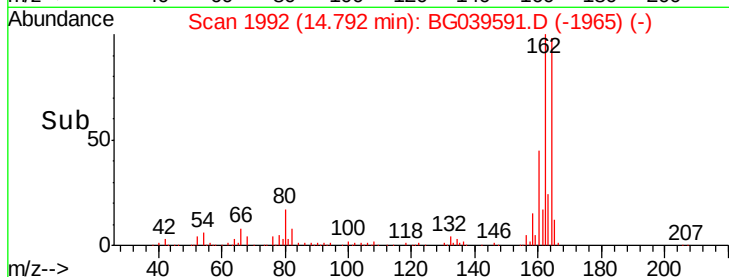
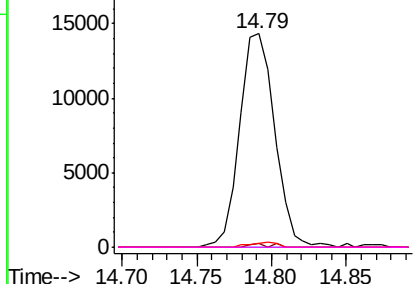
#57
 2,4-Dinitrotoluene
 Concen: 13.492 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. -0.37 min
 Lab File: BG039591.D
 Acq: 25 Feb 2019 17:53

Instrument :
 BNA_G
 ClientSampleId :
 TP-4

Tgt Ion:	165	Resp:	23436
Ion	Ratio	Lower	Upper
165	100		
63	1.8	41.0	61.6#
89	2.0	64.6	96.8#
182	0.0	2.0	3.0#

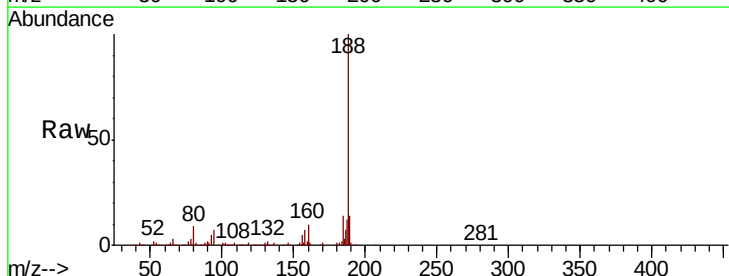


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

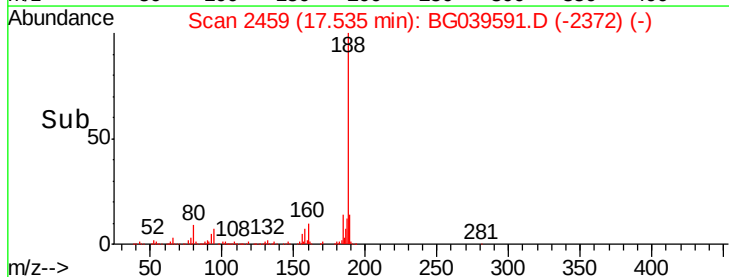
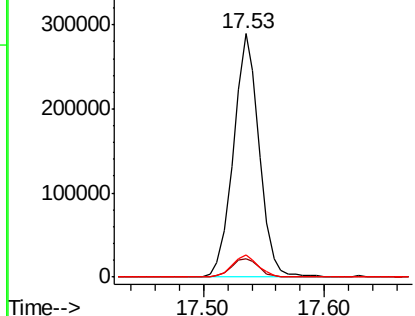


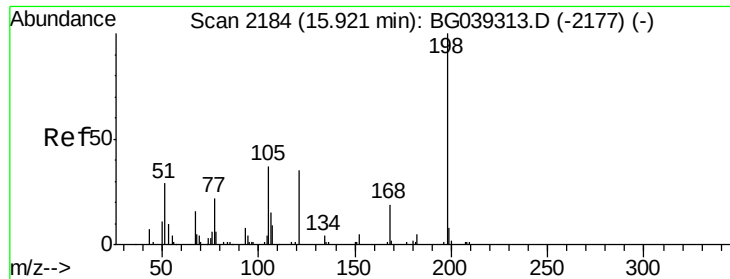
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.53 min Scan# 2459
 Delta R.T. -0.02 min
 Lab File: BG039591.D
 Acq: 25 Feb 2019 17:53

Tgt Ion:	188	Resp:	429314
Ion	Ratio	Lower	Upper
188	100		
94	7.3	6.9	10.3
80	9.3	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

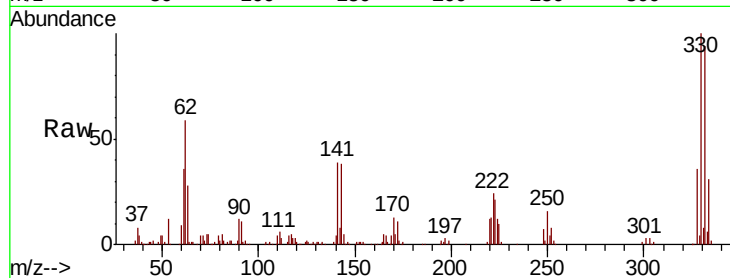




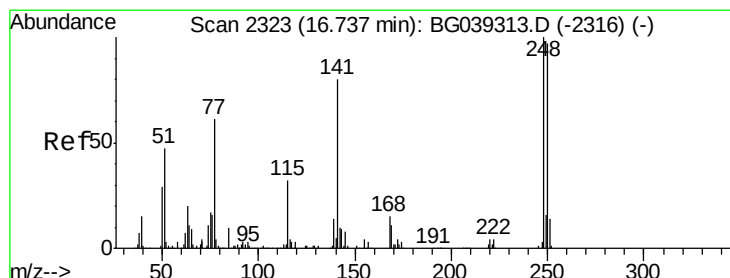
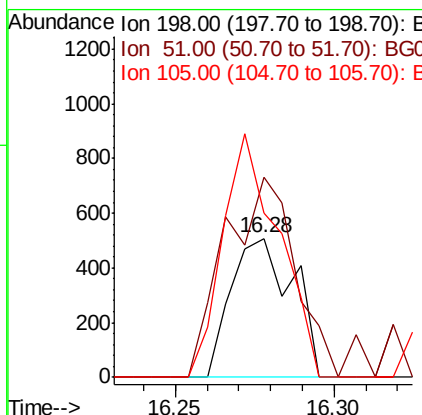
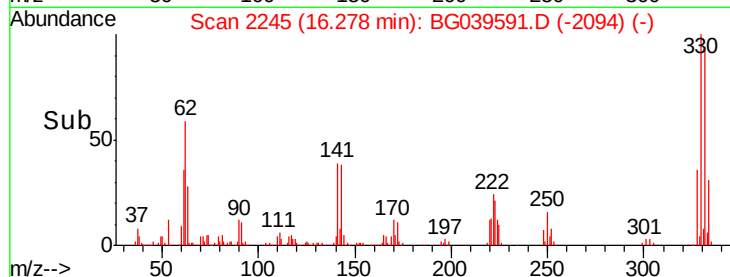
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.687 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. 0.36 min
 Lab File: BG039591.D
 Acq: 25 Feb 2019 17:53

Instrument :
 BNA_G
 ClientSampleId :
 TP-4

Tgt Ion:198 Resp: 687
 Ion Ratio Lower Upper
 198 100
 51 143.8 27.4 67.4#
 105 118.7 19.7 59.7#

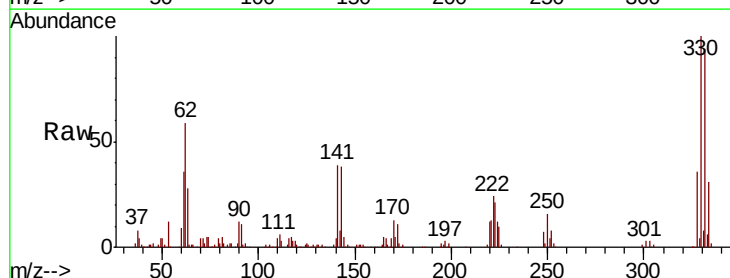


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

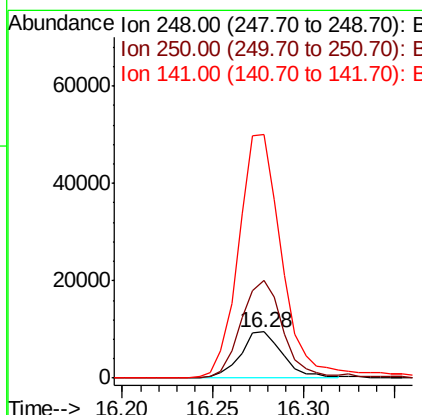
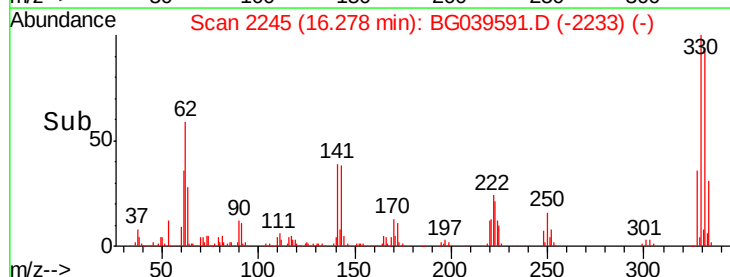


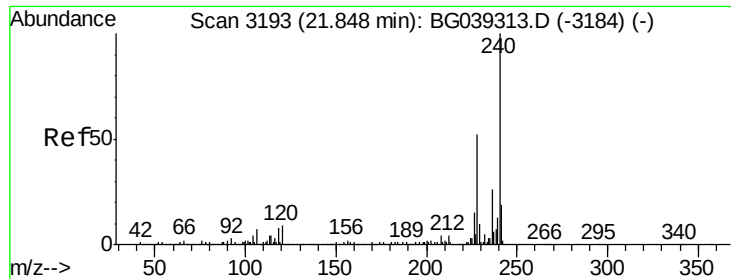
#67
 4-Bromophenyl-phenylether
 Concen: 3.266 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039591.D
 Acq: 25 Feb 2019 17:53

Tgt Ion:248 Resp: 15557
 Ion Ratio Lower Upper
 248 100
 250 212.2 77.6 116.4#
 141 528.4 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

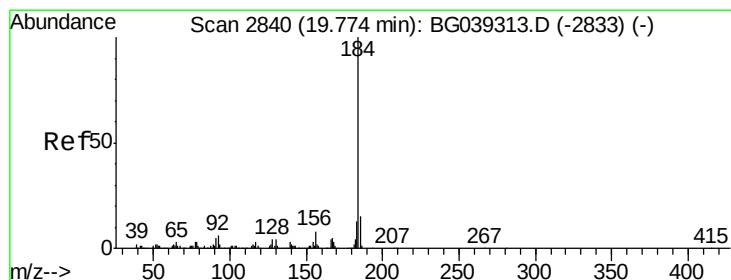
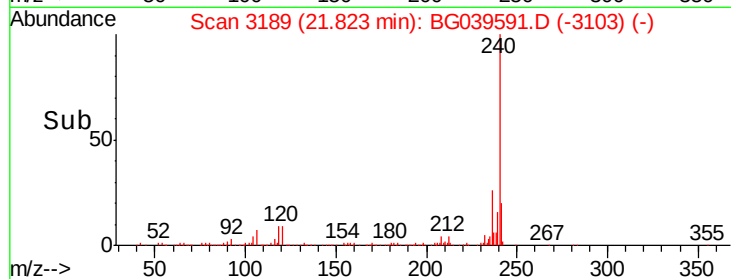
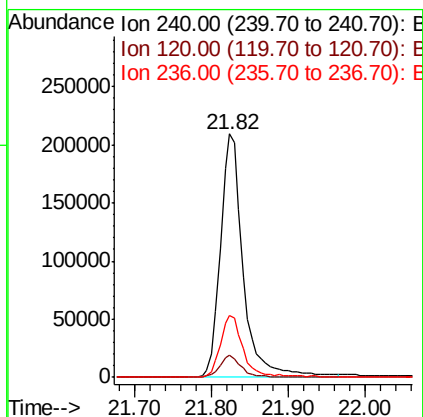
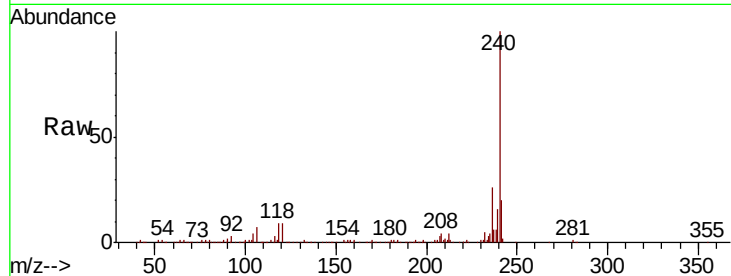




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3189
 Delta R.T. -0.02 min
 Lab File: BG039591.D
 Acq: 25 Feb 2019 17:53

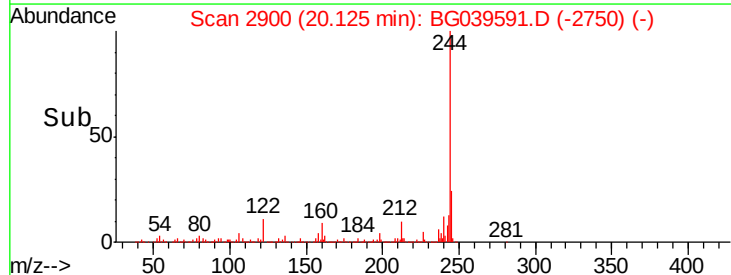
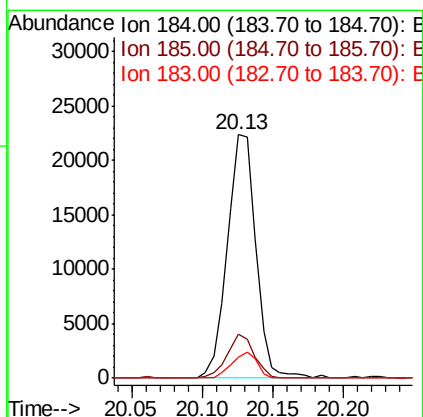
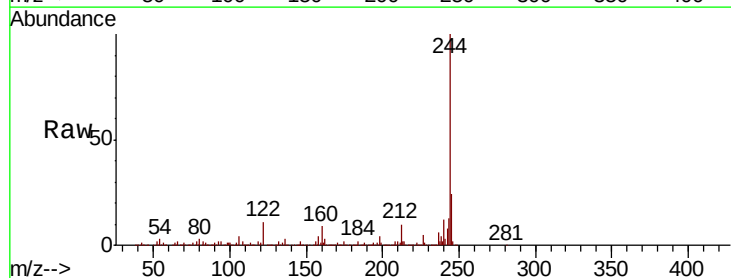
Instrument :
 BNA_G
 ClientSampled :
 TP-4

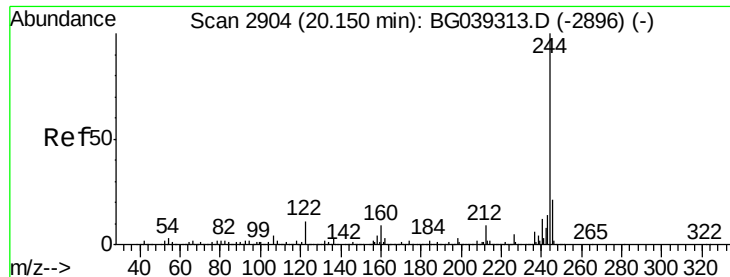
Tgt Ion:240 Resp: 430052
 Ion Ratio Lower Upper
 240 100
 120 9.2 7.0 10.6
 236 25.7 21.0 31.4



#77
 Benzidine
 Concen: 2.238 ng
 RT: 20.13 min Scan# 2900
 Delta R.T. 0.35 min
 Lab File: BG039591.D
 Acq: 25 Feb 2019 17:53

Tgt Ion:184 Resp: 31559
 Ion Ratio Lower Upper
 184 100
 185 18.0 12.2 18.2
 183 8.5 10.6 15.8#





#79

Terphenyl-d14

Concen: 87.694 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039591.D

Acq: 25 Feb 2019 17:53

Instrument :

BNA_G

ClientSampleId :

TP-4

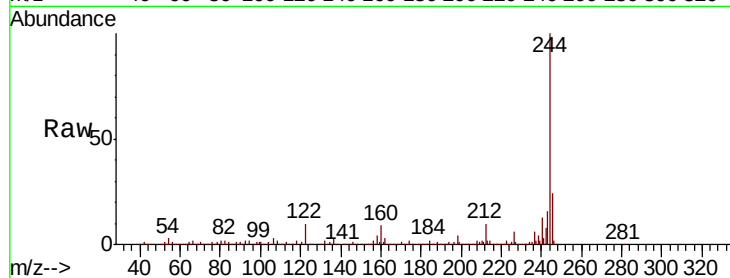
Tgt Ion:244 Resp: 1781702

Ion Ratio Lower Upper

244 100

212 9.8 7.3 10.9

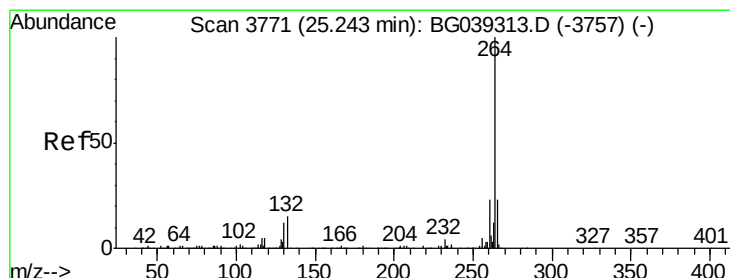
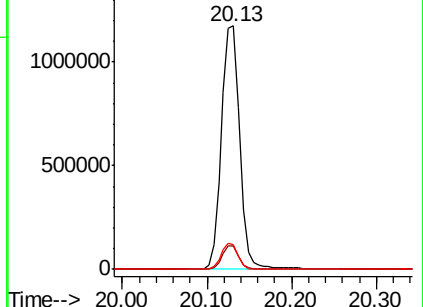
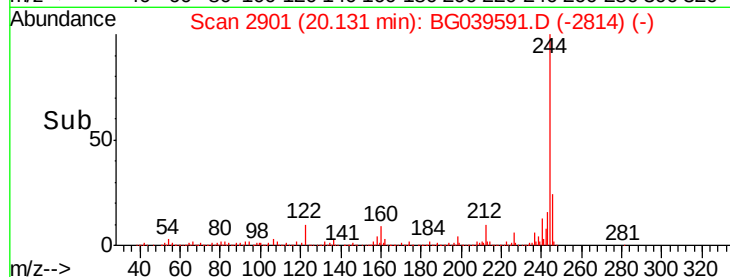
122 9.9 8.4 12.6



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.21 min Scan# 3766

Delta R.T. -0.03 min

Lab File: BG039591.D

Acq: 25 Feb 2019 17:53

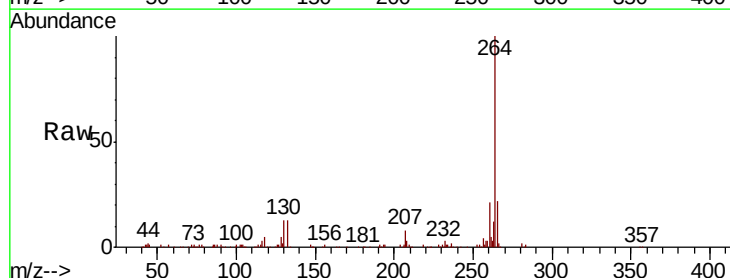
Tgt Ion:264 Resp: 306520

Ion Ratio Lower Upper

264 100

260 21.4 18.2 27.4

265 22.1 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

