

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021819\
 Data File : BG039551.D
 Acq On : 18 Feb 2019 22:39
 Operator : JU/SJ
 Sample : K1508-16
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 M-13-D

Quant Time: Feb 19 00:46:34 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	50686	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	223645	20.00	ng	-0.02
39) Acenaphthene-d10	14.80	164	160415	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	391400	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	404865	20.00	ng	-0.03
87) Perylene-d12	25.20	264	352642	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	355029	119.88	ng	0.00
7) Phenol-d6	7.31	99	450579	103.36	ng	0.00
23) Nitrobenzene-d5	9.34	82	358358	100.10	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	211421	122.39	ng	-0.02
45) 2-Fluorobiphenyl	13.41	172	857870	76.72	ng	-0.02
79) Terphenyl-d14	20.13	244	1505111	78.69	ng	-0.02

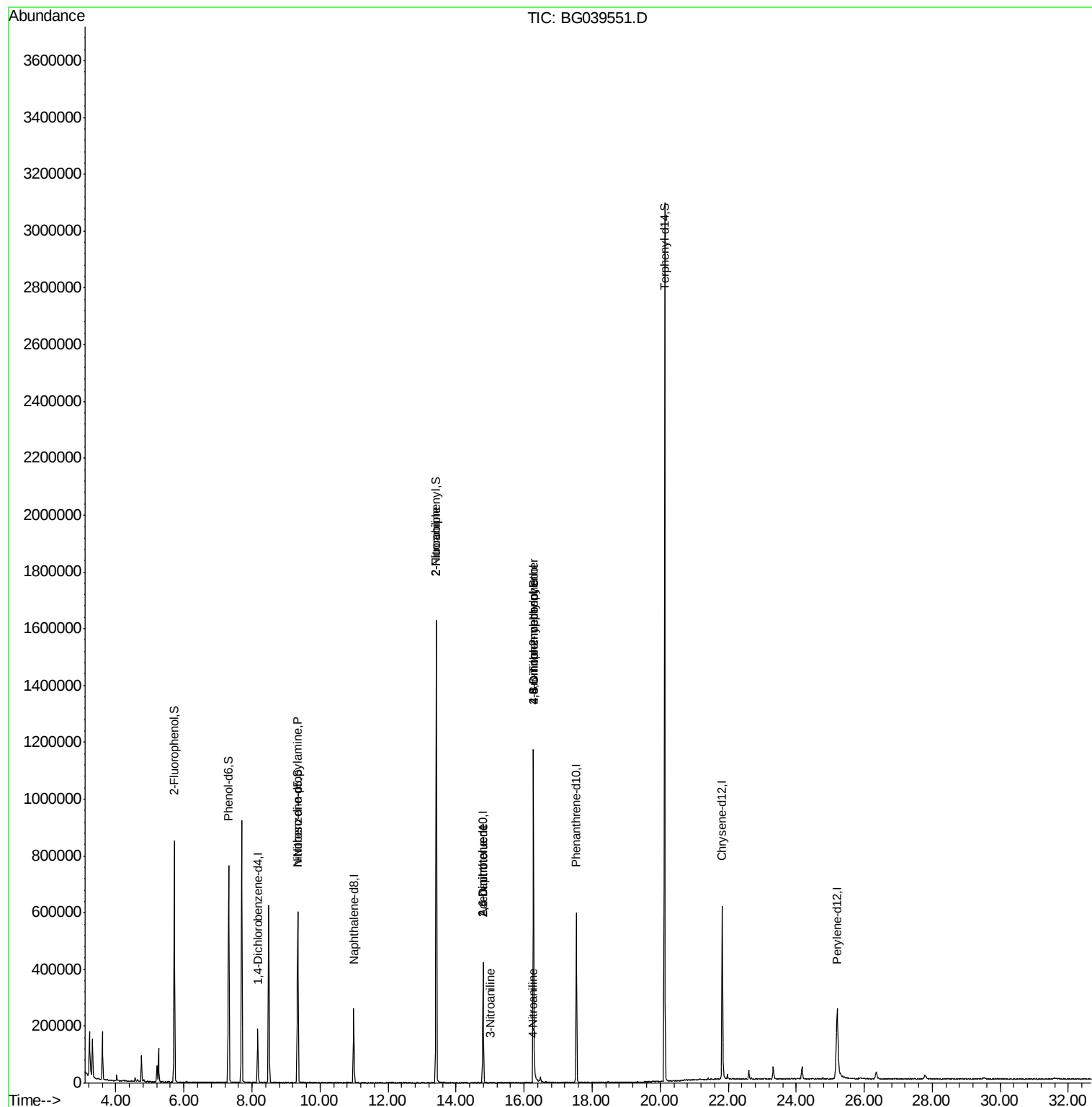
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.32	77	934	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.34	70	45749	14.786	ng	# 69
48) 2-Nitroaniline	13.41	65	1506	8.728	ng	# 4
51) 2,6-Dinitrotoluene	14.79	165	19305	13.442	ng	# 24
53) 3-Nitroaniline	14.99	138	102	5.827	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	19305	13.035	ng	# 19
62) 4-Nitroaniline	16.23	138	90	4.233	ng	# 10
65) 4,6-Dinitro-2-methylphenol	16.27	198	651	4.708	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	16419	3.781	ng	# 1

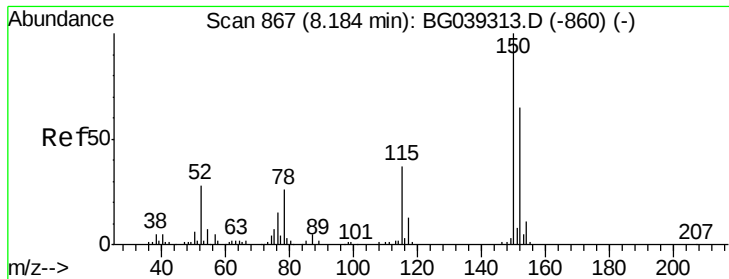
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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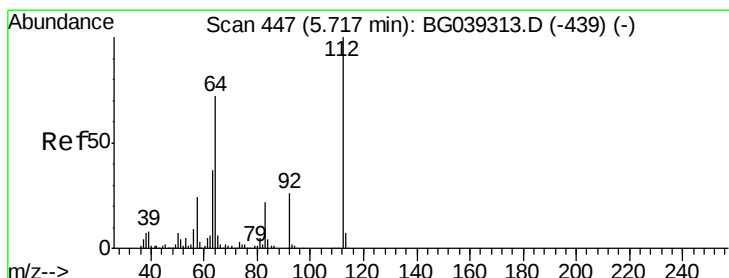
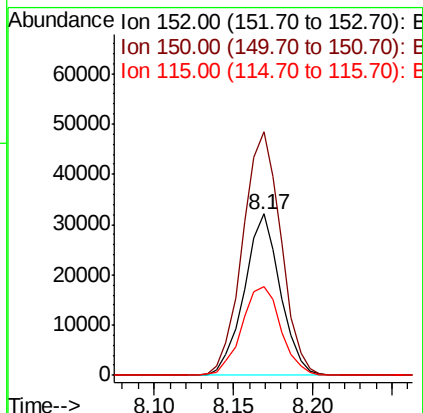
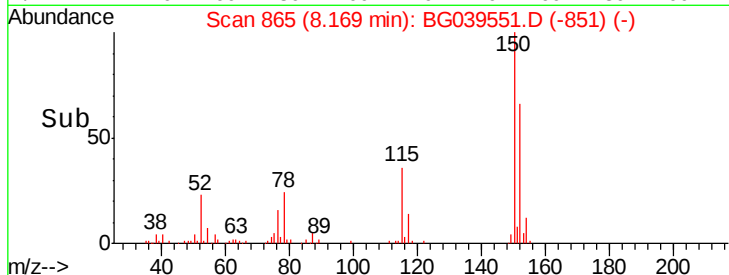
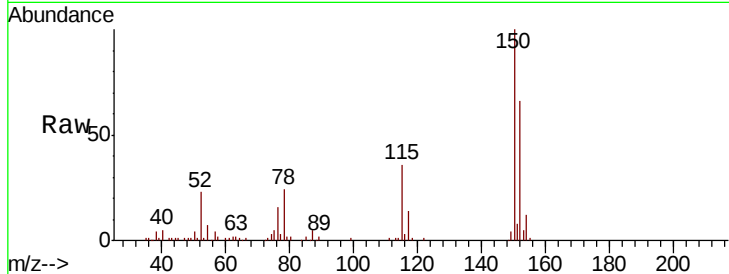


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.02 min
Lab File: BG039551.D
Acq: 18 Feb 2019 22:39

Instrument :
BNA_G
ClientSampleId :
M-13-D

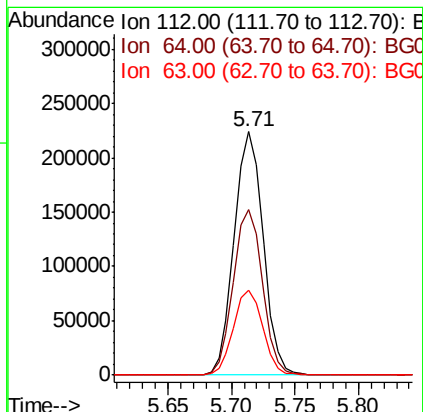
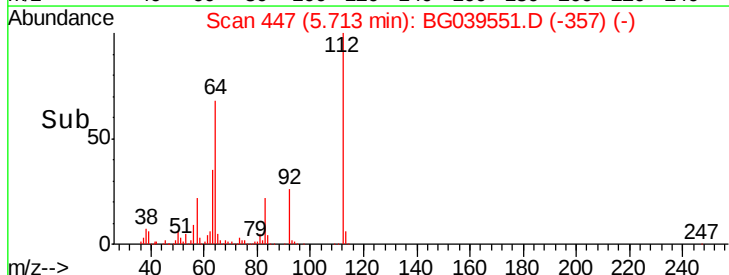
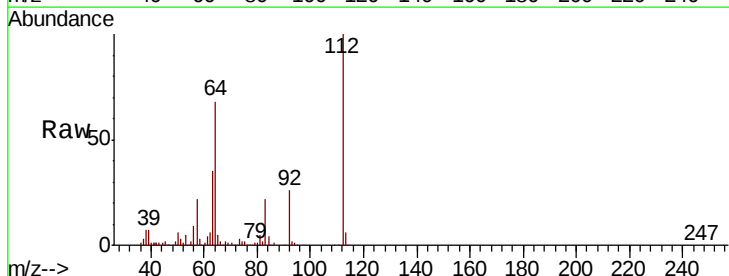
Tgt Ion:152 Resp: 50686
Ion Ratio Lower Upper
152 100
150 151.1 123.7 185.5
115 55.0 45.9 68.9

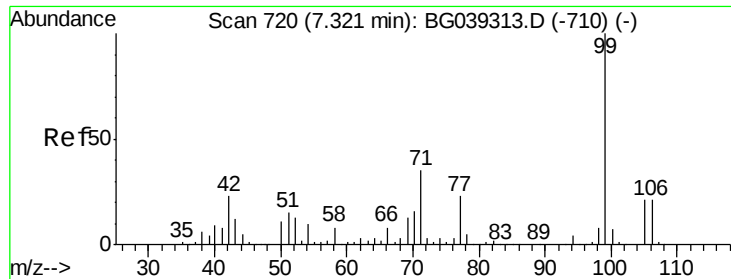


#5

2-Fluorophenol
Concen: 119.882 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039551.D
Acq: 18 Feb 2019 22:39

Tgt Ion:112 Resp: 355029
Ion Ratio Lower Upper
112 100
64 67.9 57.8 86.8
63 34.7 29.8 44.6





#7

Phenol-d6

Concen: 103.362 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039551.D

Acq: 18 Feb 2019 22:39

Instrument :

BNA_G

ClientSampleId :

M-13-D

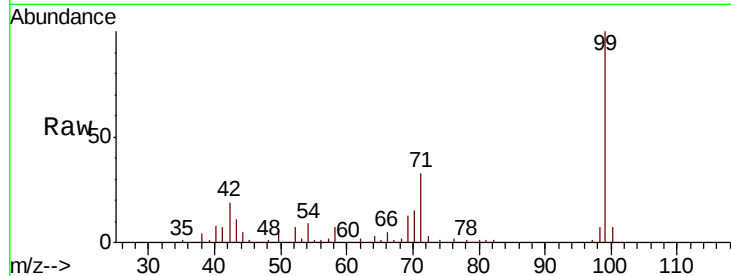
Tgt Ion: 99 Resp: 450579

Ion Ratio Lower Upper

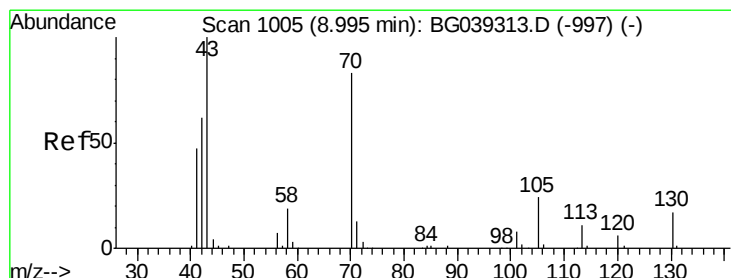
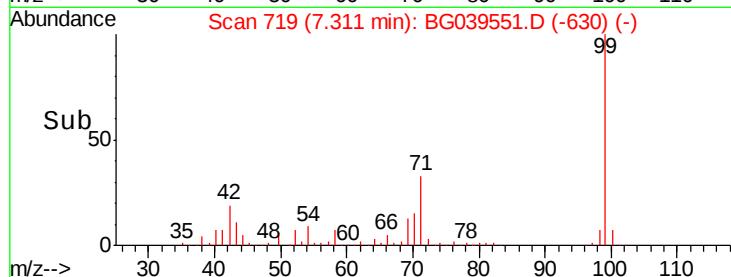
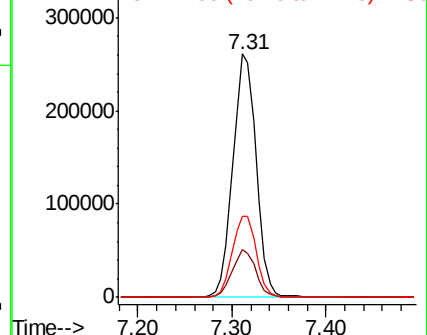
99 100

42 19.5 18.2 27.2

71 33.2 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: 14.786 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039551.D

Acq: 18 Feb 2019 22:39

Tgt Ion: 70 Resp: 45749

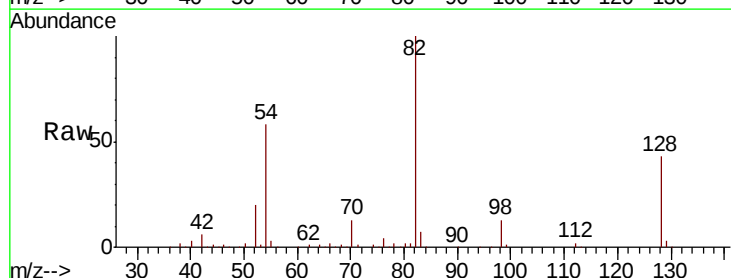
Ion Ratio Lower Upper

70 100

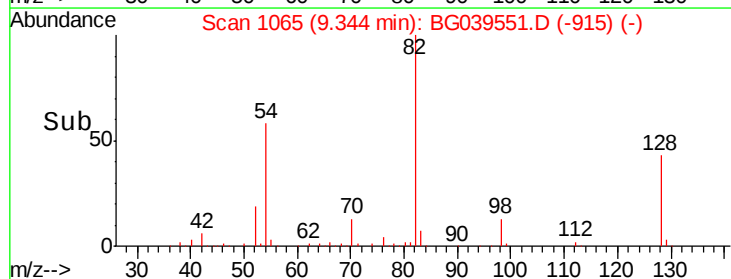
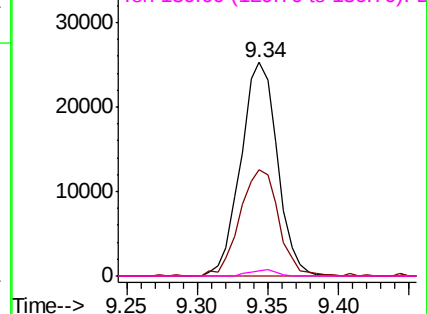
42 50.0 60.4 90.6#

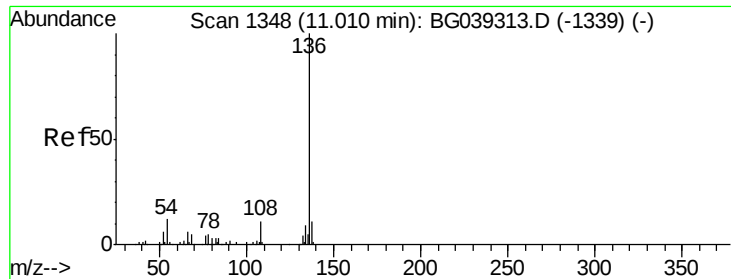
101 0.0 7.5 11.3#

130 2.5 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

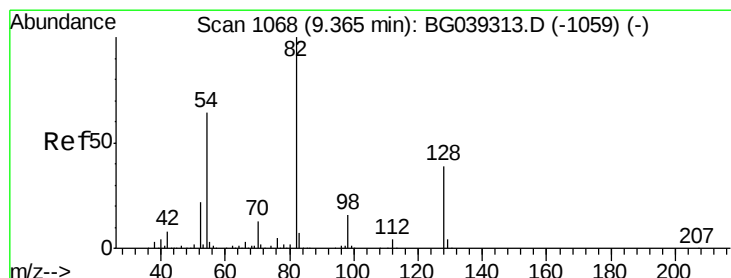
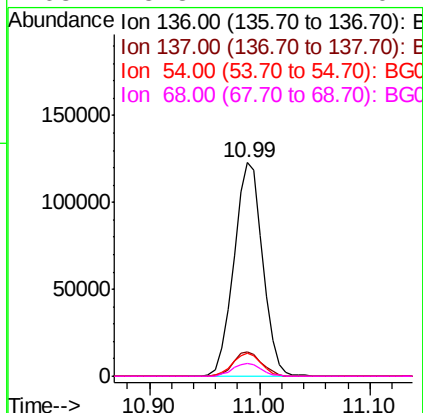
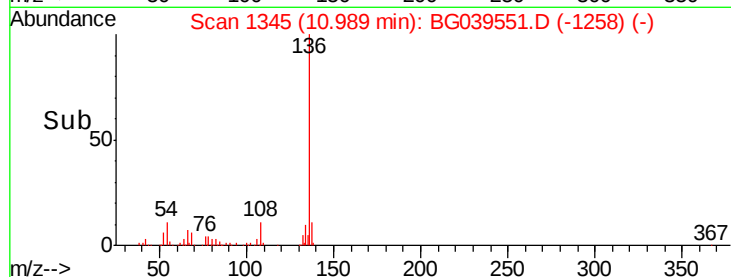
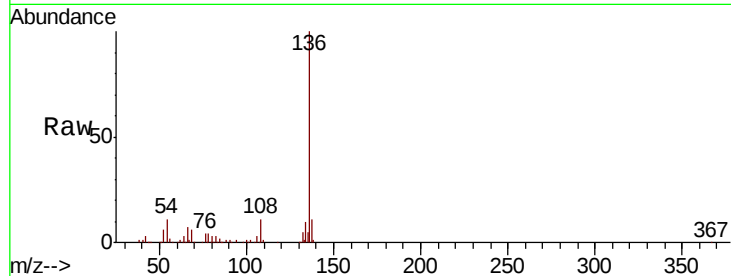




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039551.D
Acq: 18 Feb 2019 22:39

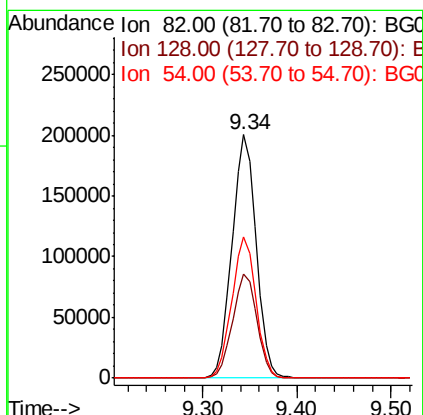
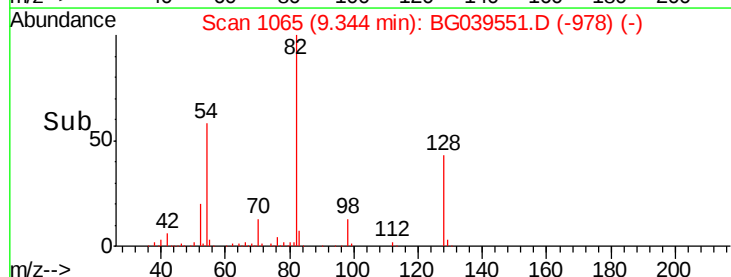
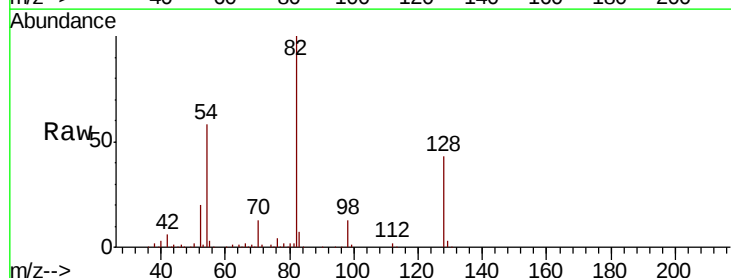
Instrument :
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ClientSampleId :
M-13-D

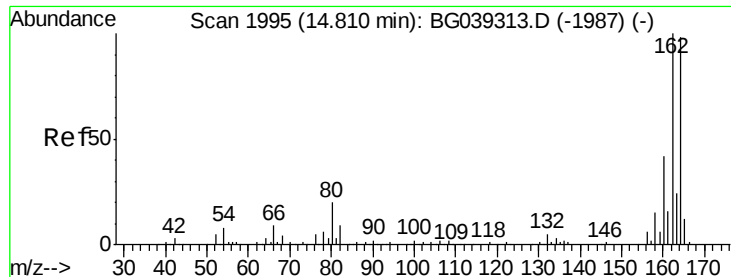
Tgt Ion:	136	Resp:	223645
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	10.7	9.4	14.2
68	5.8	4.2	6.4



#23
Nitrobenzene-d5
Concen: 100.101 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039551.D
Acq: 18 Feb 2019 22:39

Tgt Ion:	82	Resp:	358358
Ion	Ratio	Lower	Upper
82	100		
128	42.6	31.3	46.9
54	57.9	50.9	76.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BG039551.D

Acq: 18 Feb 2019 22:39

Instrument :

BNA_G

ClientSampleId :

M-13-D

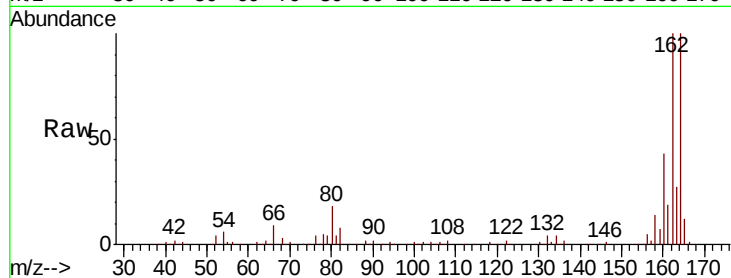
Tgt Ion:164 Resp: 160415

Ion Ratio Lower Upper

164 100

162 99.8 81.6 122.4

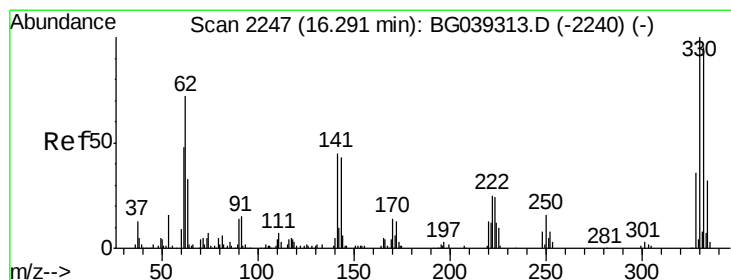
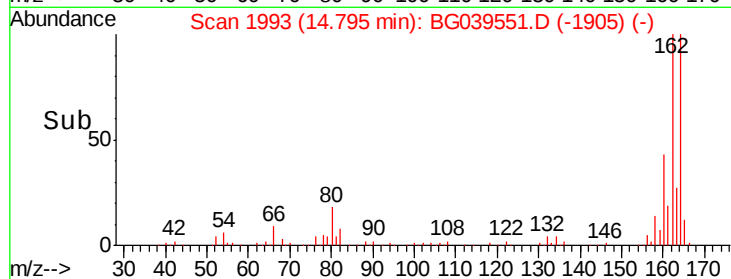
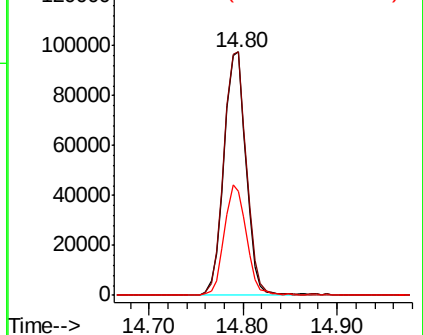
160 42.8 34.2 51.2



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: 122.393 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.02 min

Lab File: BG039551.D

Acq: 18 Feb 2019 22:39

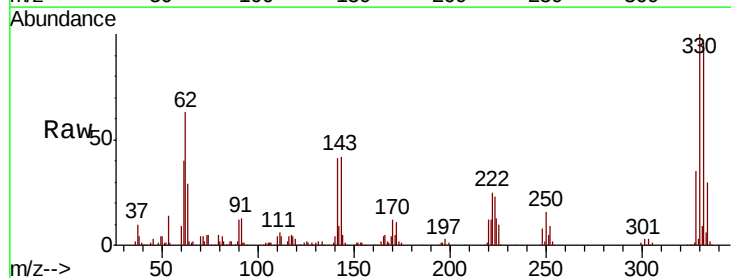
Tgt Ion:330 Resp: 211421

Ion Ratio Lower Upper

330 100

332 95.1 75.7 113.5

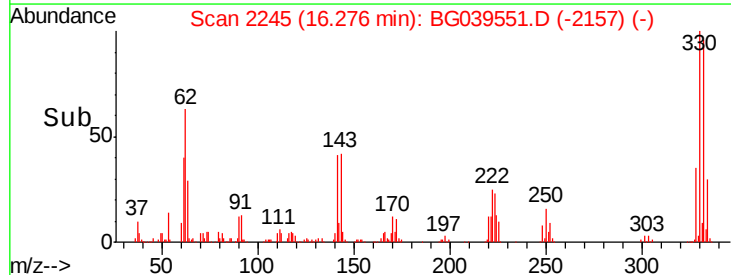
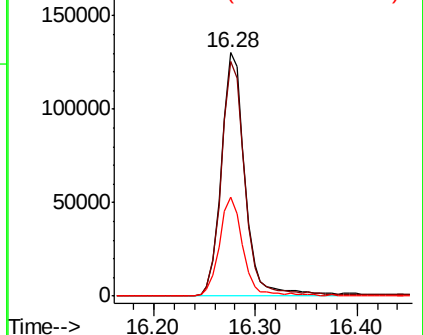
141 39.6 35.6 53.4

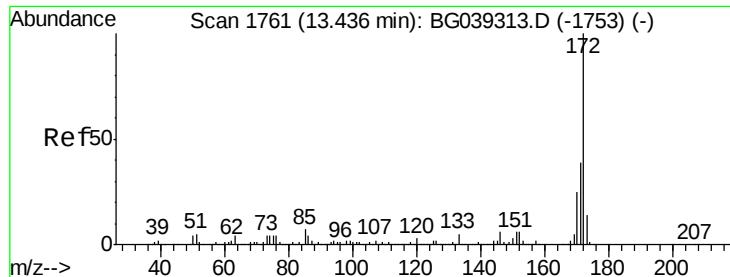


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

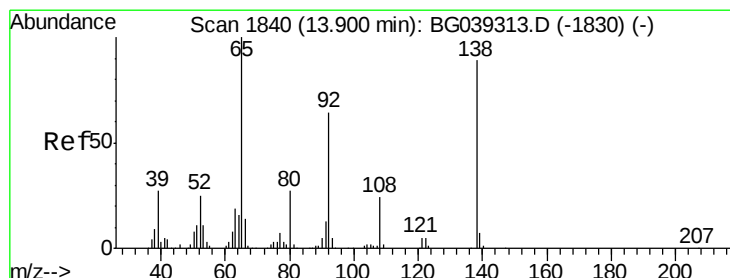
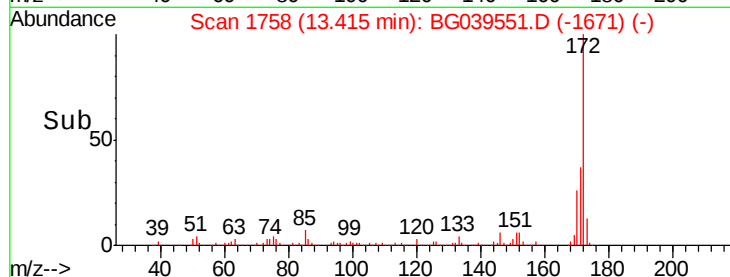
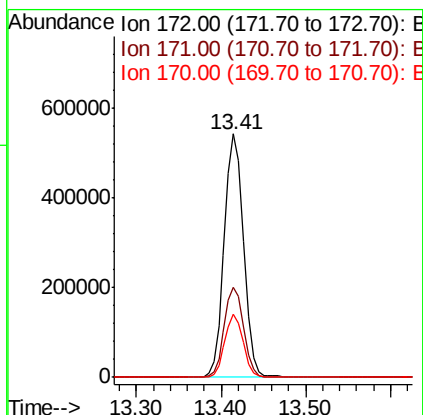
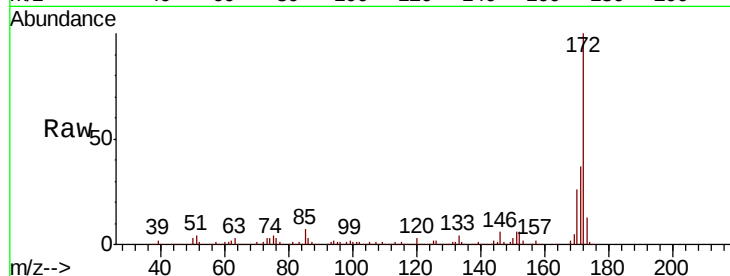




#45
2-Fluorobiphenyl
Concen: 76.717 ng
RT: 13.41 min Scan# 1758
Delta R.T. -0.02 min
Lab File: BG039551.D
Acq: 18 Feb 2019 22:39

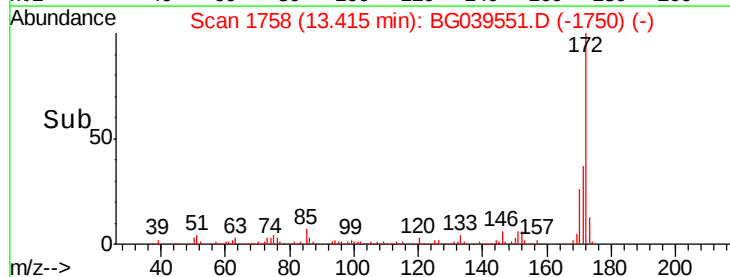
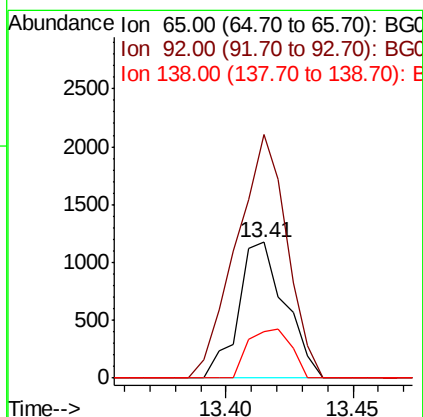
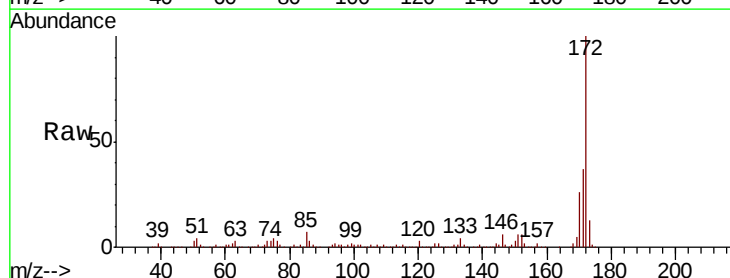
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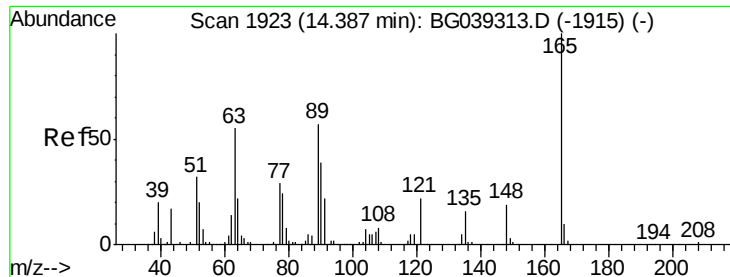
Tgt Ion: 172 Resp: 857870
Ion Ratio Lower Upper
172 100
171 36.9 30.8 46.2
170 26.1 20.2 30.4



#48
2-Nitroaniline
Concen: 8.728 ng
RT: 13.41 min Scan# 1758
Delta R.T. -0.48 min
Lab File: BG039551.D
Acq: 18 Feb 2019 22:39

Tgt Ion: 65 Resp: 1506
Ion Ratio Lower Upper
65 100
92 179.2 51.4 77.2#
138 34.2 71.4 107.2#

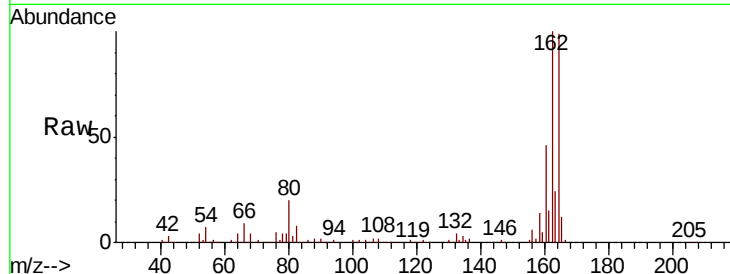




#51
 2,6-Dinitrotoluene
 Concen: 13.442 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. 0.40 min
 Lab File: BG039551.D
 Acq: 18 Feb 2019 22:39

Instrument :
 BNA_G
 ClientSampleId :
 M-13-D

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	47.0	70.6#
89	1.9	45.8	68.8#

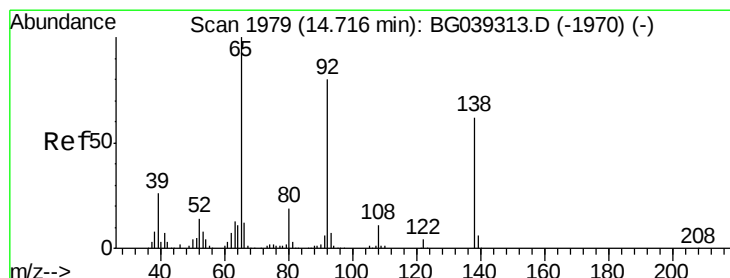
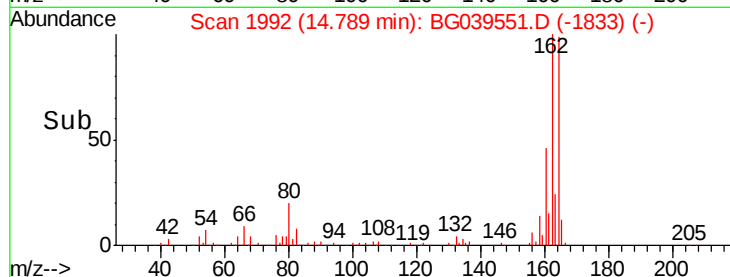
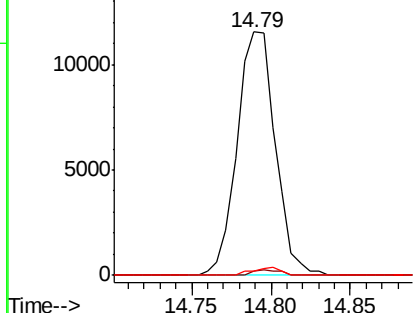


Abundance

Ion 165.00 (164.70 to 165.70): E

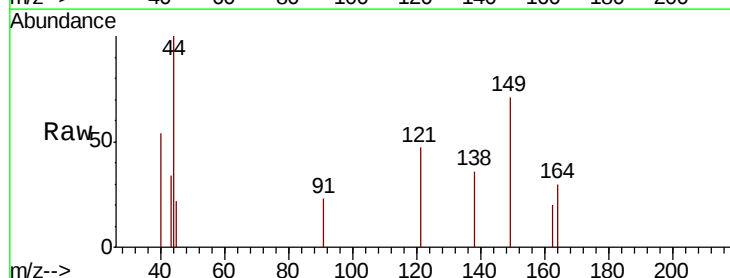
Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG



#53
 3-Nitroaniline
 Concen: 5.827 ng
 RT: 14.99 min Scan# 2027
 Delta R.T. 0.28 min
 Lab File: BG039551.D
 Acq: 18 Feb 2019 22:39

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

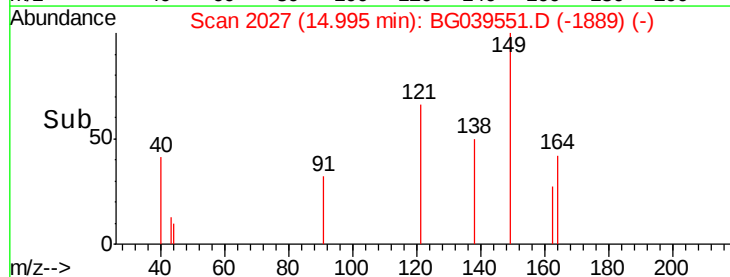
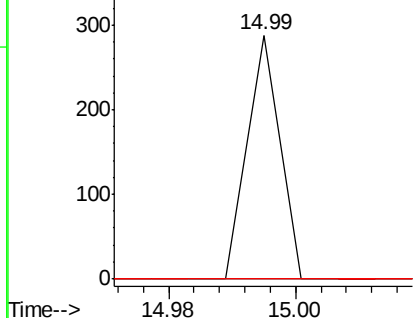


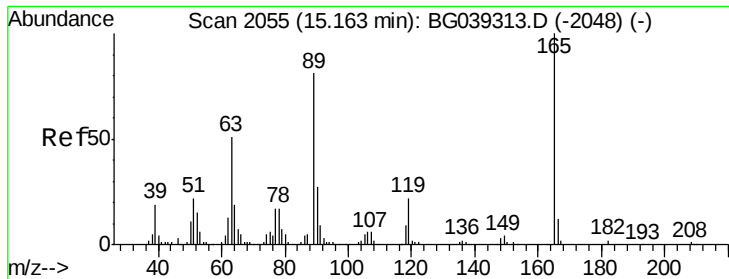
Abundance

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): BG





#57

2,4-Dinitrotoluene

Concen: 13.035 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.37 min

Lab File: BG039551.D

Acq: 18 Feb 2019 22:39

Instrument :

BNA_G

ClientSampleId :

M-13-D

Tgt Ion:165 Resp: 19305

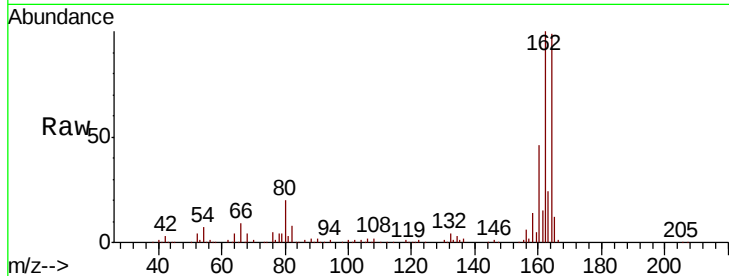
Ion Ratio Lower Upper

165 100

63 1.8 41.0 61.6#

89 1.9 64.6 96.8#

182 0.0 2.0 3.0#

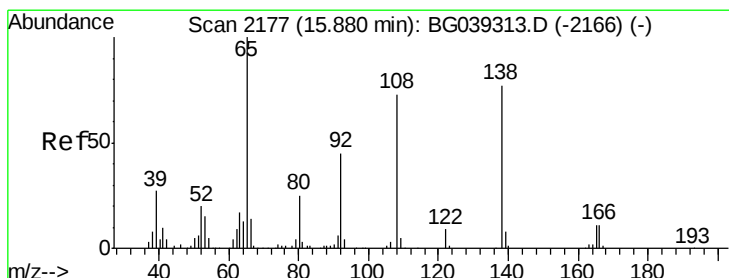
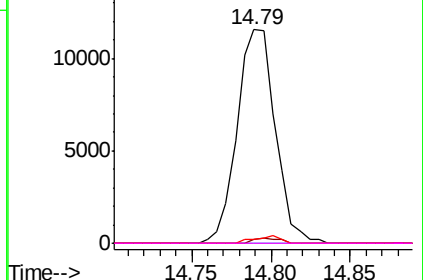
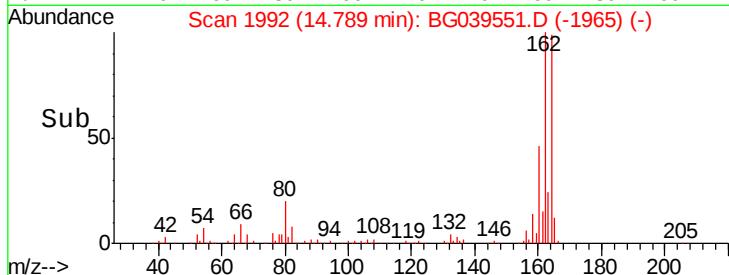


Abundance Ion 165.00 (164.70 to 165.70): E

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: 4.233 ng

RT: 16.23 min Scan# 2238

Delta R.T. 0.36 min

Lab File: BG039551.D

Acq: 18 Feb 2019 22:39

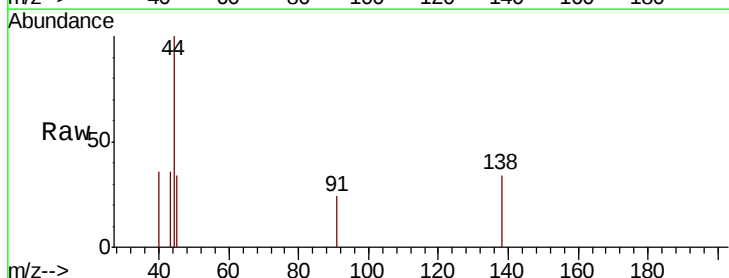
Tgt Ion:138 Resp: 90

Ion Ratio Lower Upper

138 100

92 0.0 38.7 78.7#

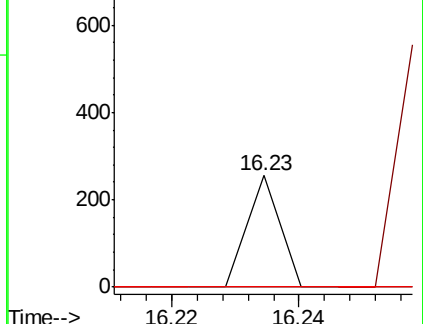
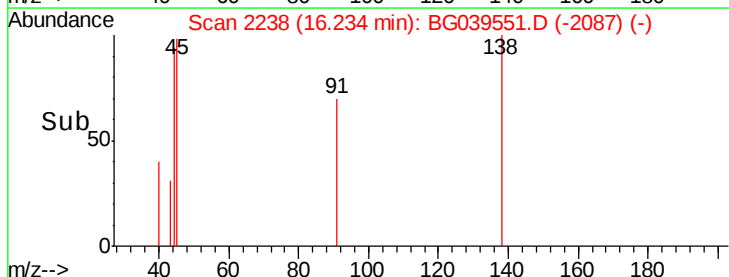
108 0.0 74.6 114.6#

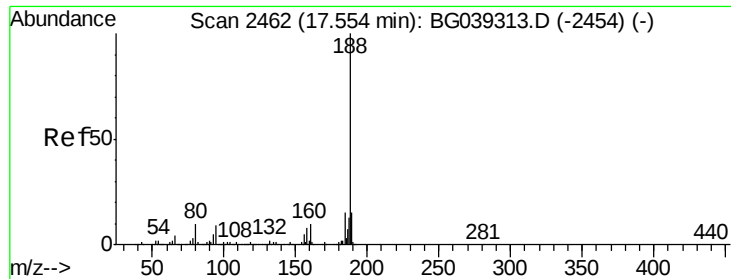


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): 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: BG039551.D

Acq: 18 Feb 2019 22:39

Instrument :

BNA_G

ClientSampleId :

M-13-D

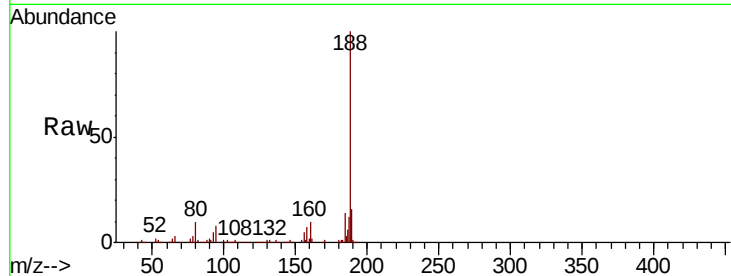
Tgt Ion:188 Resp: 391400

Ion Ratio Lower Upper

188 100

94 8.2 6.9 10.3

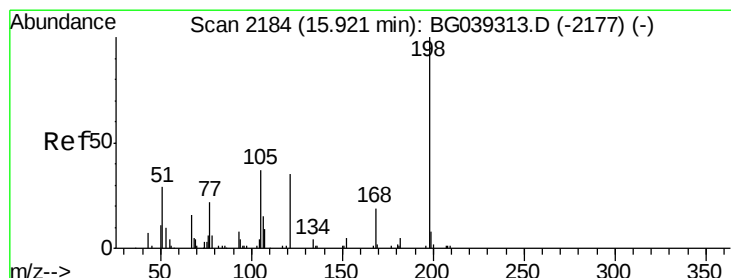
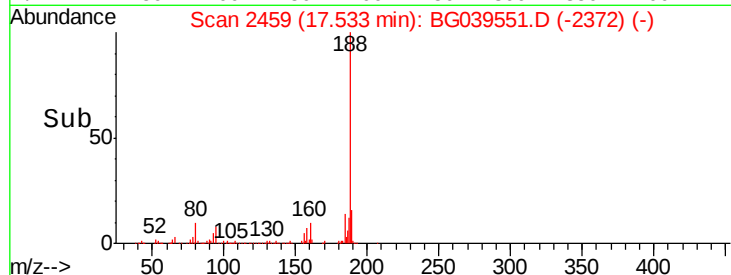
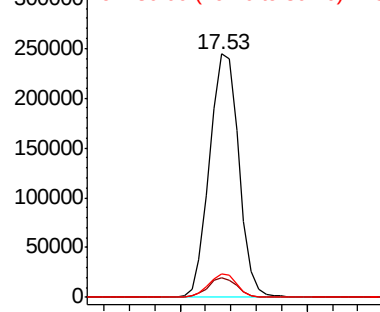
80 9.6 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#65

4,6-Dinitro-2-methylphenol

Concen: 4.708 ng

RT: 16.27 min Scan# 2244

Delta R.T. 0.35 min

Lab File: BG039551.D

Acq: 18 Feb 2019 22:39

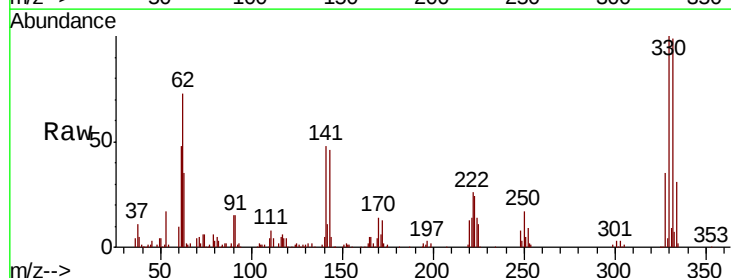
Tgt Ion:198 Resp: 651

Ion Ratio Lower Upper

198 100

51 101.2 27.4 67.4#

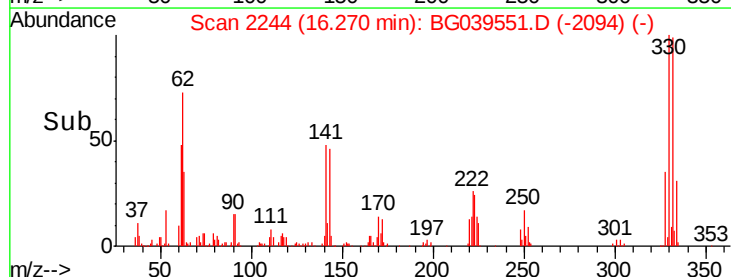
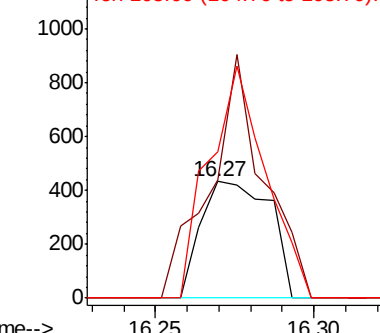
105 125.5 19.7 59.7#

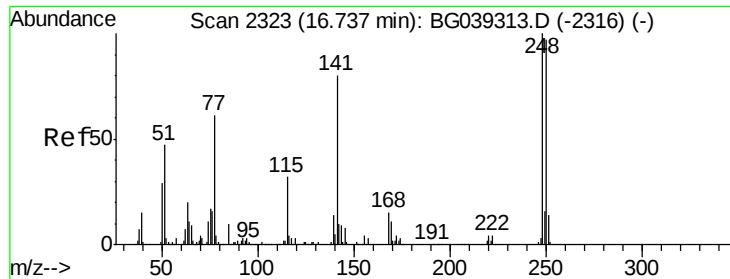


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

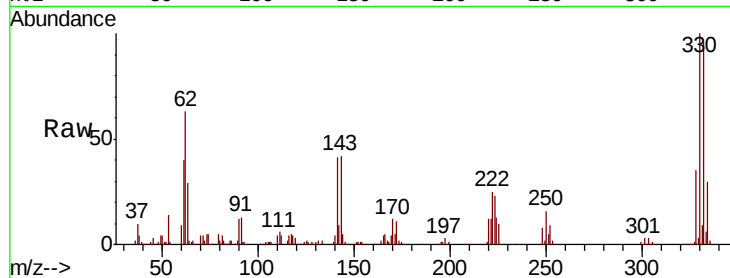




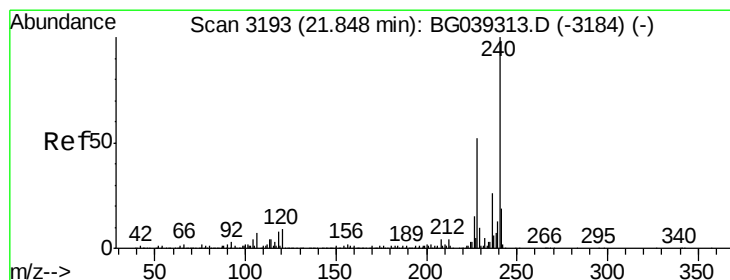
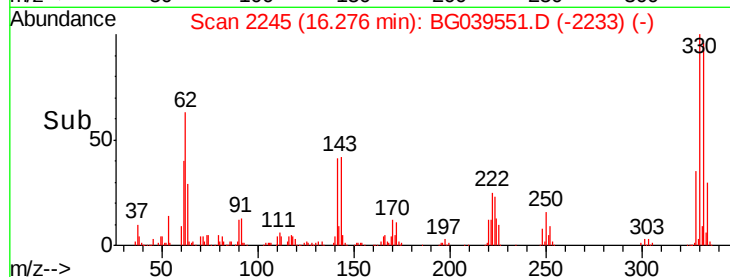
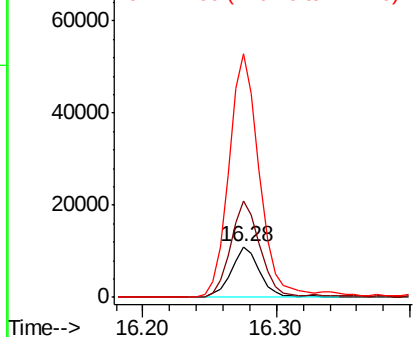
#67
 4-Bromophenyl-phenylether
 Concen: 3.781 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039551.D
 Acq: 18 Feb 2019 22:39

Instrument :
 BNA_G
 ClientSampleId :
 M-13-D

Tgt Ion:248 Resp: 16419
 Ion Ratio Lower Upper
 248 100
 250 192.4 77.6 116.4#
 141 483.7 63.9 95.9#

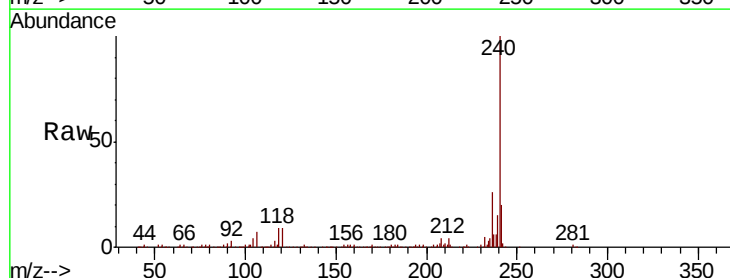


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

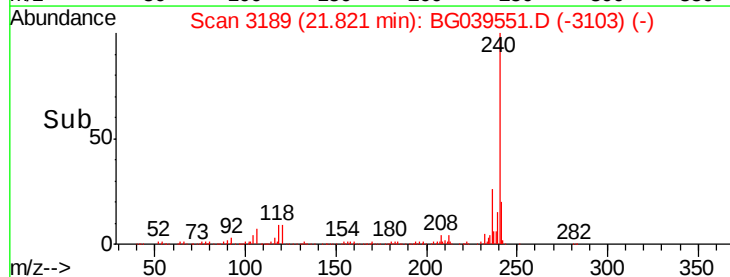
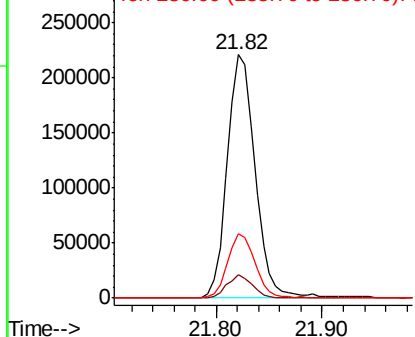


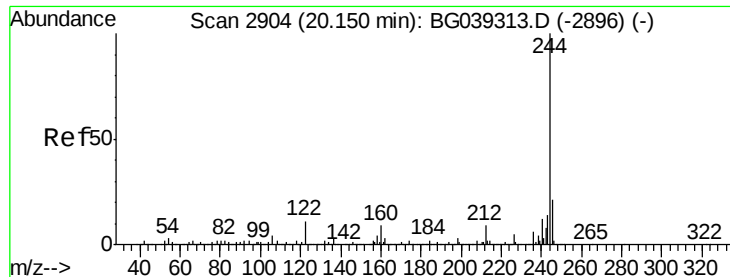
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3189
 Delta R.T. -0.03 min
 Lab File: BG039551.D
 Acq: 18 Feb 2019 22:39

Tgt Ion:240 Resp: 404865
 Ion Ratio Lower Upper
 240 100
 120 9.4 7.0 10.6
 236 26.5 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





#79

Terphenyl-d14

Concen: 78.689 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039551.D

Acq: 18 Feb 2019 22:39

Instrument :

BNA_G

ClientSampleId :

M-13-D

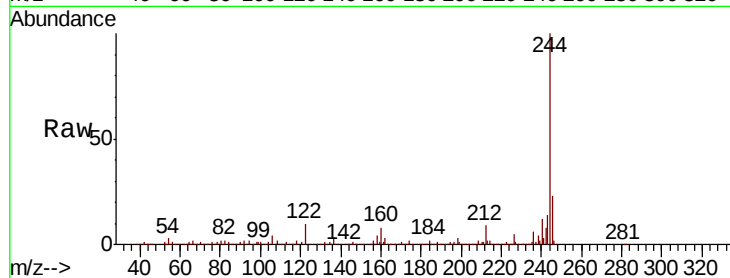
Tgt Ion:244 Resp: 1505111

Ion Ratio Lower Upper

244 100

212 8.9 7.3 10.9

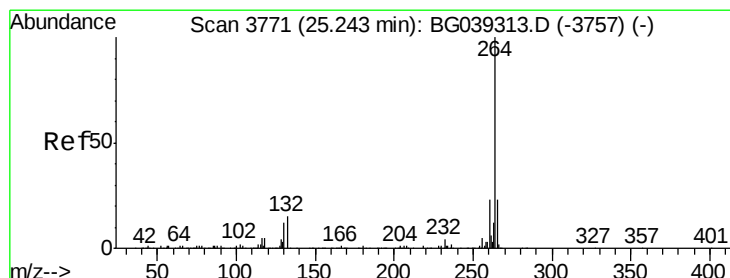
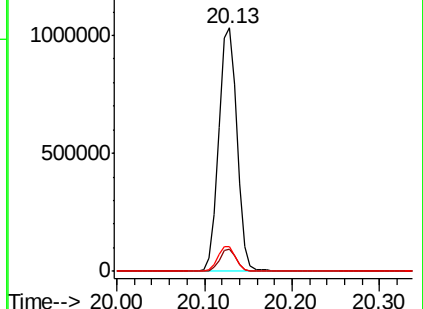
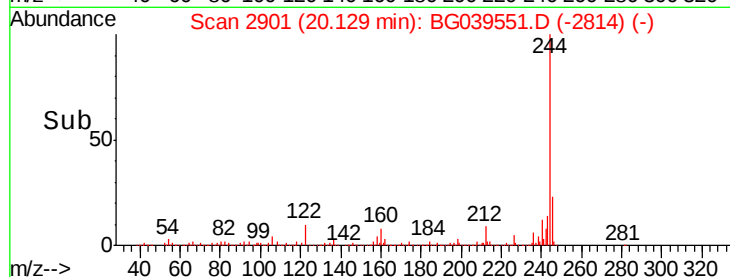
122 9.9 8.4 12.6



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: 25.20 min Scan# 3765

Delta R.T. -0.04 min

Lab File: BG039551.D

Acq: 18 Feb 2019 22:39

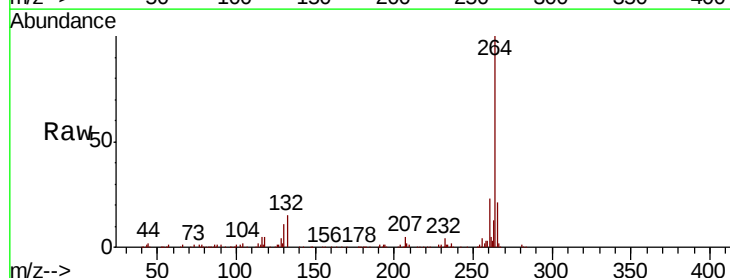
Tgt Ion:264 Resp: 352642

Ion Ratio Lower Upper

264 100

260 23.4 18.2 27.4

265 20.9 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

