

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022619\
 Data File : BG039602.D
 Acq On : 26 Feb 2019 16:02
 Operator : JU/SJ
 Sample : K1586-03RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 M-1

Quant Time: Feb 26 23:58:10 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	49187	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	208454	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	137882	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	358453	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	404542	20.00	ng	-0.03
87) Perylene-d12	25.20	264	411234	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	323696	112.63	ng	0.00
7) Phenol-d6	7.31	99	459002	108.50	ng	0.00
23) Nitrobenzene-d5	9.34	82	268982	80.61	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	178988	120.55	ng	-0.01
45) 2-Fluorobiphenyl	13.41	172	600286	62.45	ng	-0.02
79) Terphenyl-d14	20.13	244	1058642	55.39	ng	-0.02

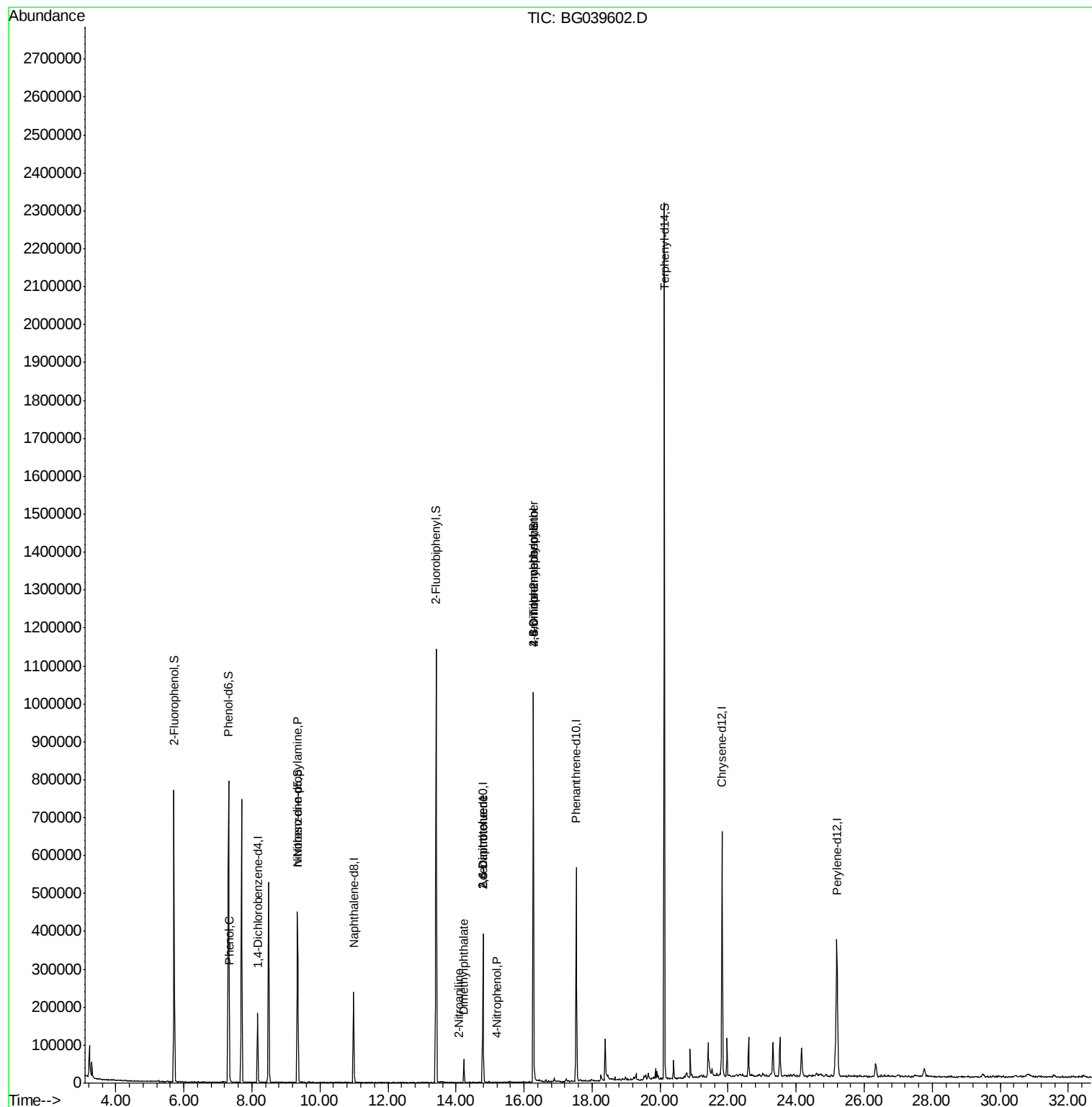
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.32	77	1145	Below Cal		# 4
10) Phenol	7.34	94	15132	3.431	ng	# 94
19) n-Nitroso-di-n-propylamine	9.34	70	34940	11.637	ng	# 72
48) 2-Nitroaniline	14.11	65	59	8.316	ng	# 10
50) Dimethylphthalate	14.23	163	42374	3.805	ng	# 99
51) 2,6-Dinitrotoluene	14.79	165	17512	13.823	ng	# 23
56) 4-Nitrophenol	15.20	139	61	5.822	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	17512	13.323	ng	# 18
65) 4,6-Dinitro-2-methylphenol	16.27	198	741	4.838	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	14681	3.692	ng	# 1

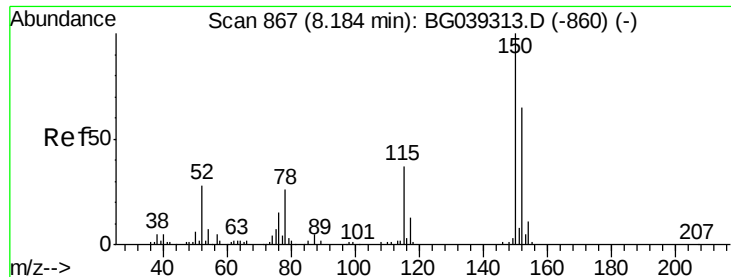
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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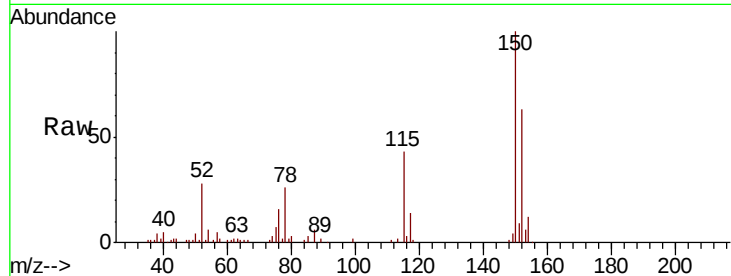


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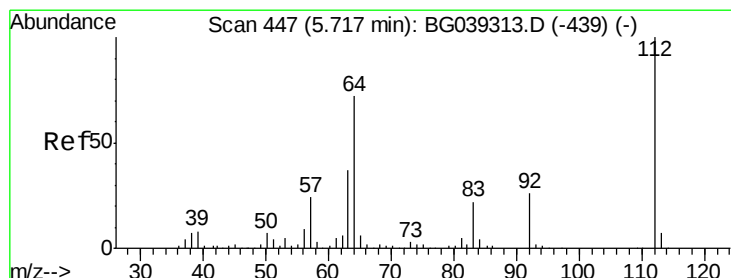
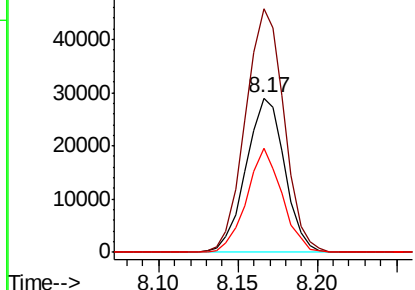
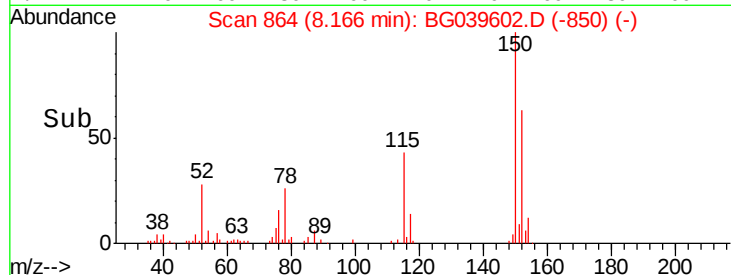
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 864
Delta R.T. -0.02 min
Lab File: BG039602.D
Acq: 26 Feb 2019 16:02

Instrument :
BNA_G
ClientSampleId :
M-1

Tgt Ion:152 Resp: 49187
Ion Ratio Lower Upper
152 100
150 157.6 123.7 185.5
115 67.4 45.9 68.9



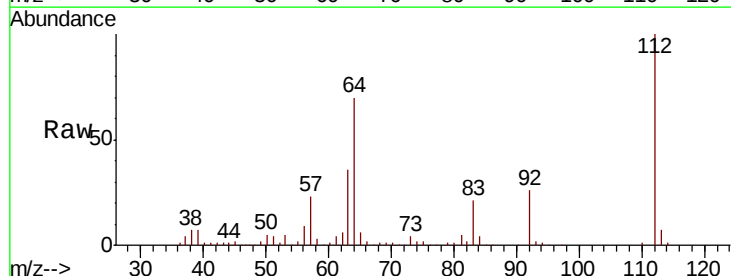
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



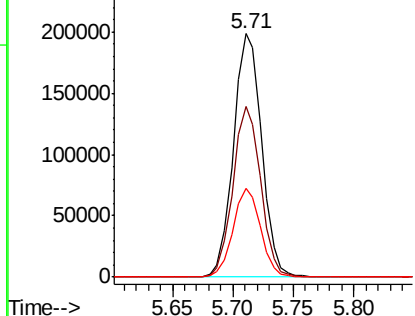
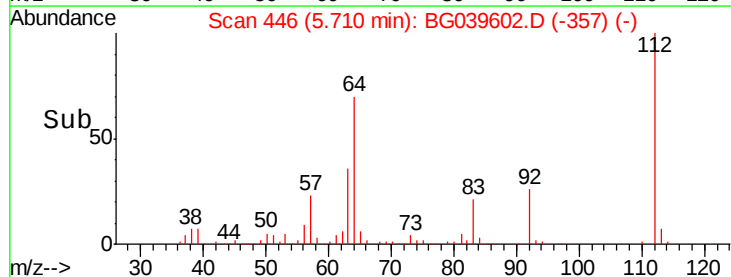
#5

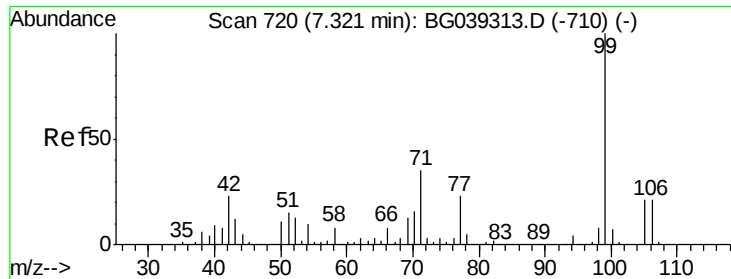
2-Fluorophenol
Concen: 112.633 ng
RT: 5.71 min Scan# 446
Delta R.T. -0.01 min
Lab File: BG039602.D
Acq: 26 Feb 2019 16:02

Tgt Ion:112 Resp: 323696
Ion Ratio Lower Upper
112 100
64 70.1 57.8 86.8
63 36.4 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: 108.504 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039602.D

Acq: 26 Feb 2019 16:02

Instrument :

BNA_G

ClientSampleId :

M-1

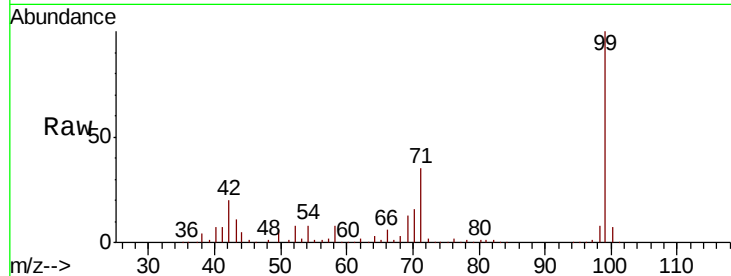
Tgt Ion: 99 Resp: 459002

Ion Ratio Lower Upper

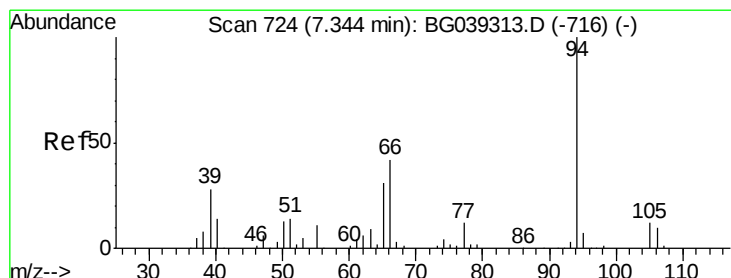
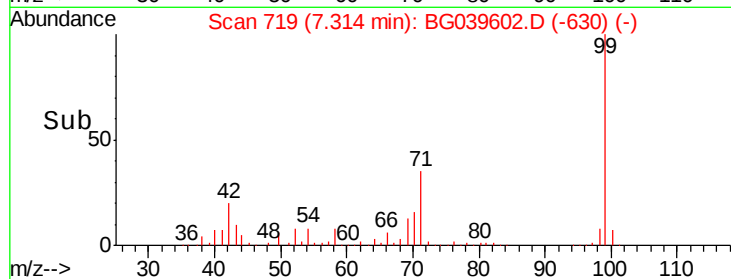
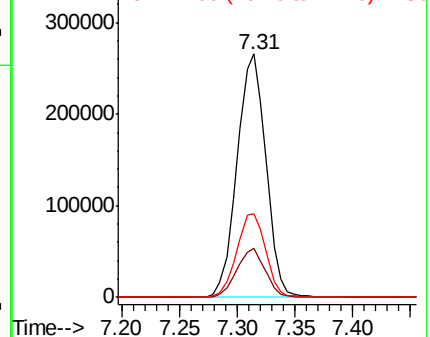
99 100

42 20.2 18.2 27.2

71 34.6 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



#10

Phenol

Concen: 3.431 ng

RT: 7.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: BG039602.D

Acq: 26 Feb 2019 16:02

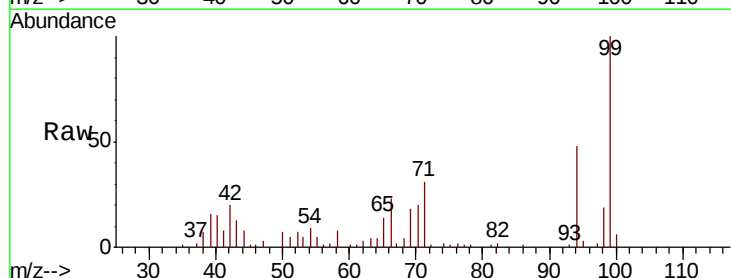
Tgt Ion: 94 Resp: 15132

Ion Ratio Lower Upper

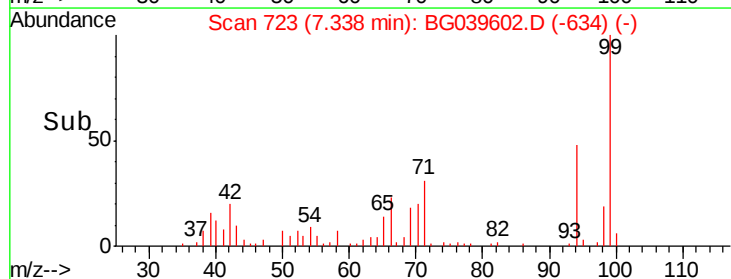
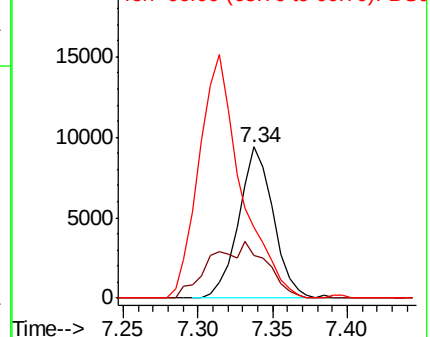
94 100

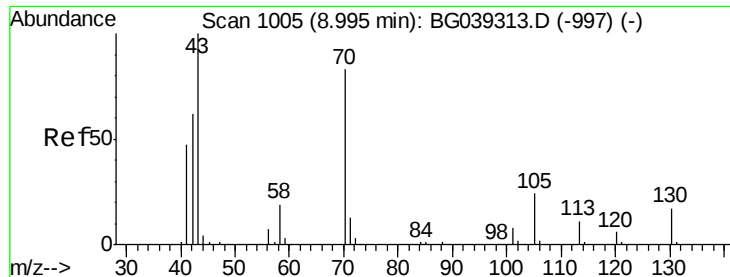
65 28.4 11.7 51.7

66 47.1 23.7 63.7



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 11.637 ng

RT: 9.34 min Scan# 1064

Delta R.T. 0.35 min

Lab File: BG039602.D

Acq: 26 Feb 2019 16:02

Instrument :

BNA_G

ClientSampleId :

M-1

Tgt Ion: 70 Resp: 34940

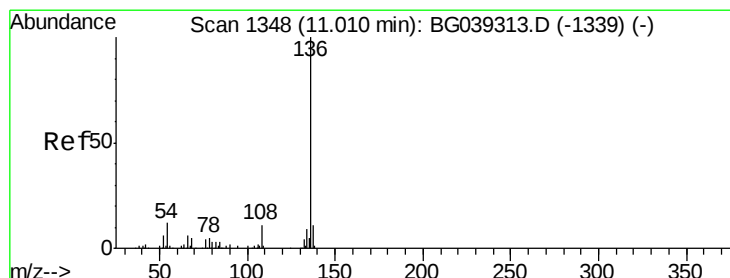
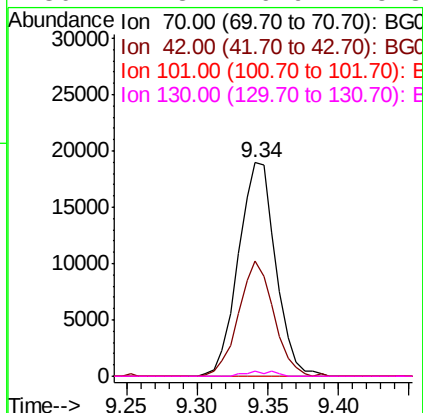
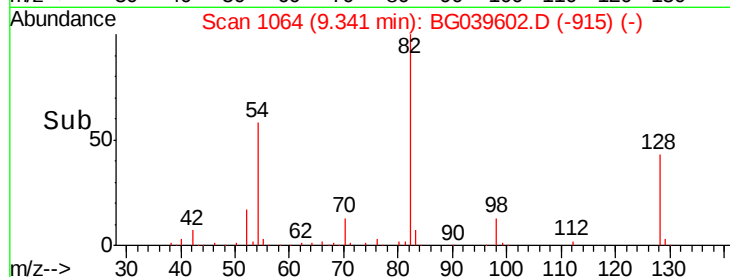
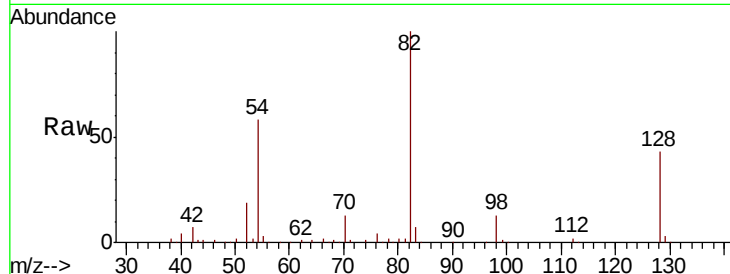
Ion Ratio Lower Upper

70 100

42 54.0 60.4 90.6#

101 0.0 7.5 11.3#

130 2.3 16.9 25.3#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.99 min Scan# 1344

Delta R.T. -0.02 min

Lab File: BG039602.D

Acq: 26 Feb 2019 16:02

Tgt Ion: 136 Resp: 208454

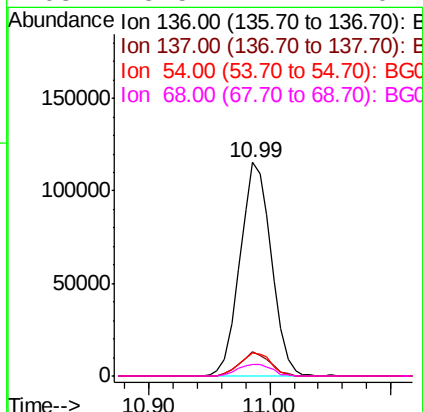
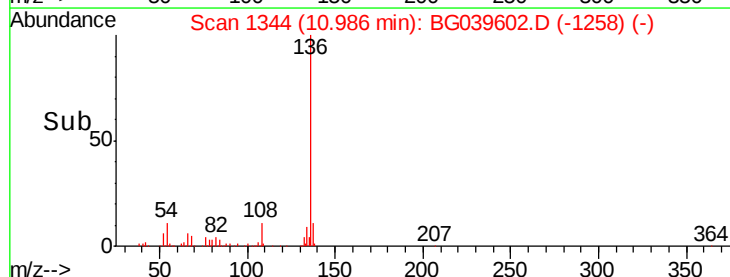
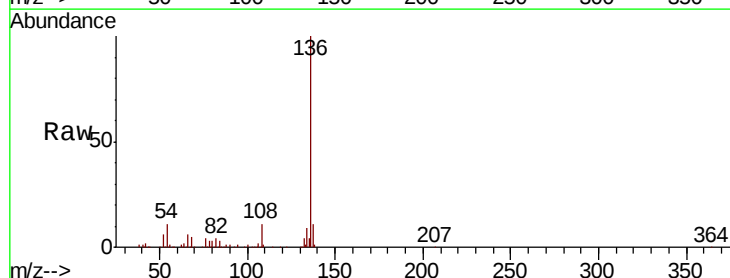
Ion Ratio Lower Upper

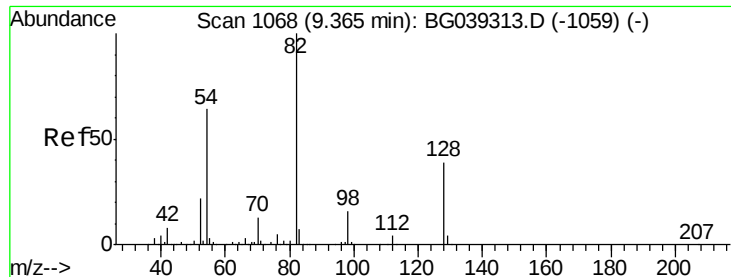
136 100

137 11.3 9.1 13.7

54 11.1 9.4 14.2

68 5.5 4.2 6.4

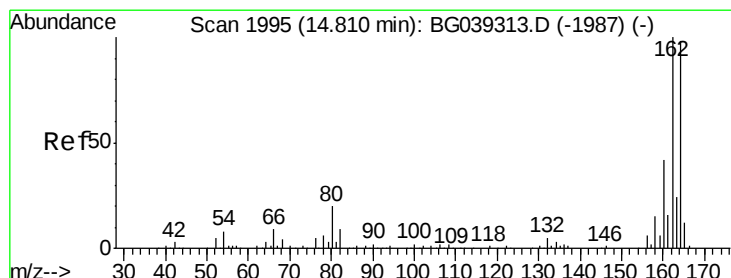
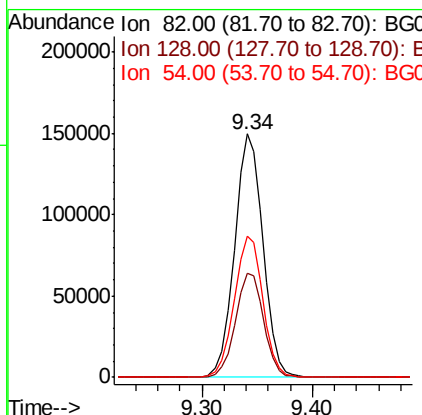
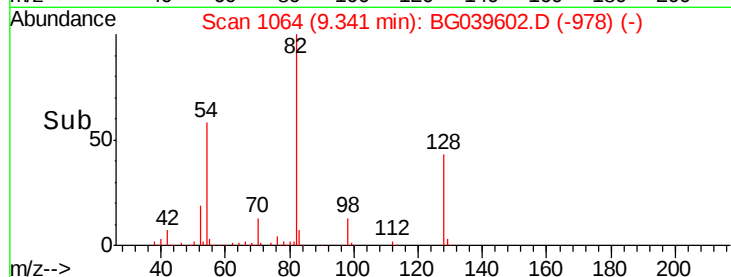
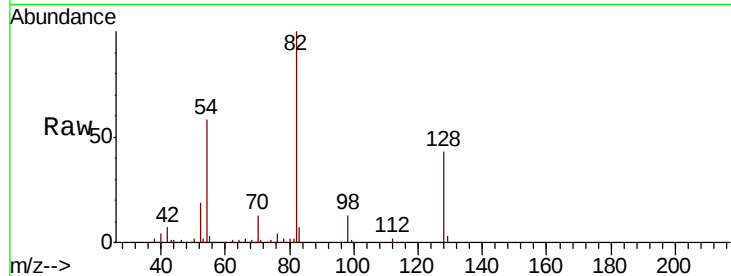




#23
Nitrobenzene-d5
Concen: 80.611 ng
RT: 9.34 min Scan# 1064
Delta R.T. -0.02 min
Lab File: BG039602.D
Acq: 26 Feb 2019 16:02

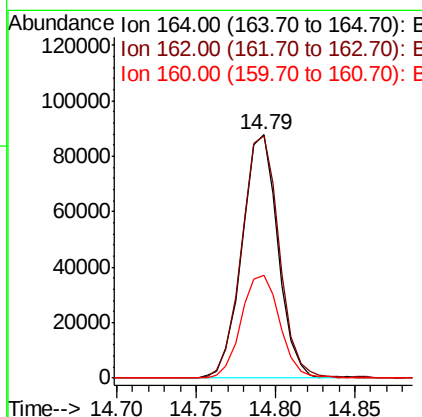
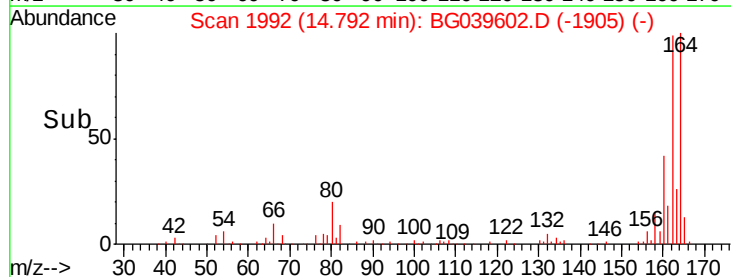
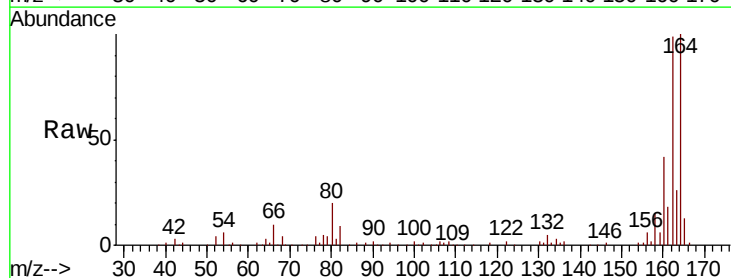
Instrument :
BNA_G
ClientSampleId :
M-1

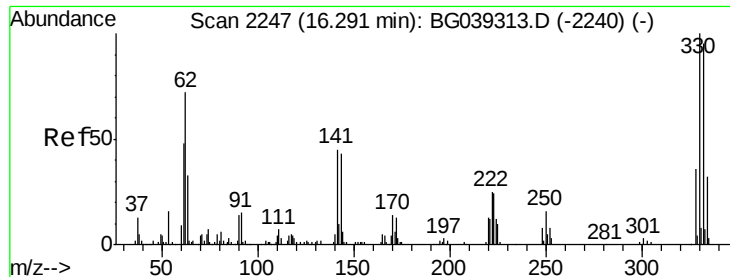
Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.5	31.3	46.9
54	58.3	50.9	76.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.02 min
Lab File: BG039602.D
Acq: 26 Feb 2019 16:02

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.4	81.6	122.4
160	42.5	34.2	51.2

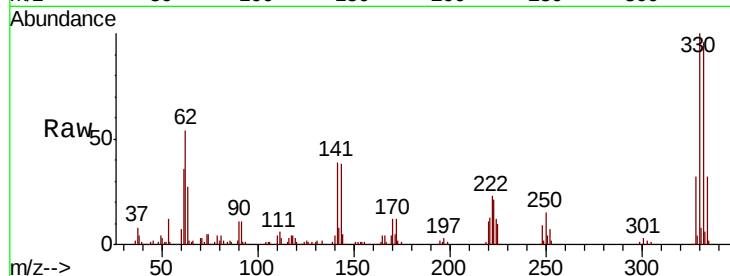




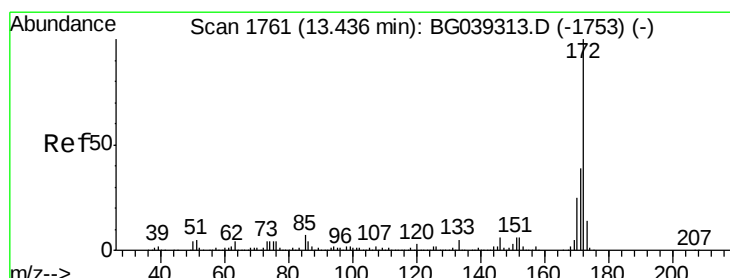
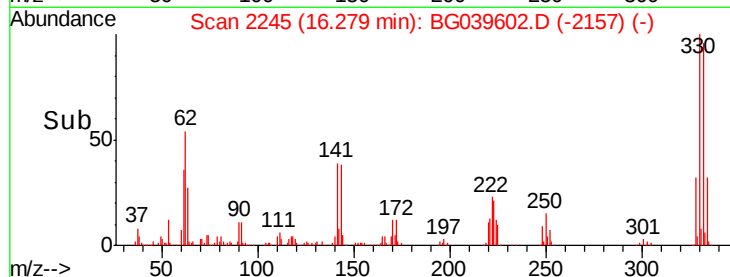
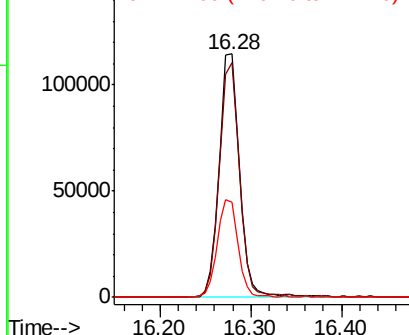
#42
 2,4,6-Tribromophenol
 Concen: 120.551 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.01 min
 Lab File: BG039602.D
 Acq: 26 Feb 2019 16:02

Instrument :
 BNA_G
 ClientSampleId :
 M-1

Tgt Ion:330 Resp: 178988
 Ion Ratio Lower Upper
 330 100
 332 95.0 75.7 113.5
 141 40.5 35.6 53.4

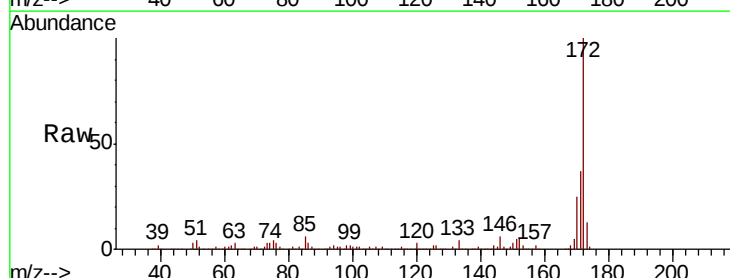


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

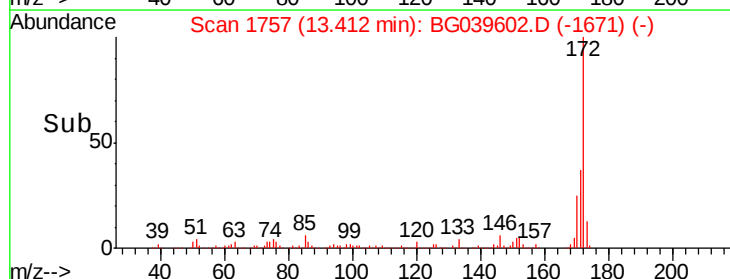
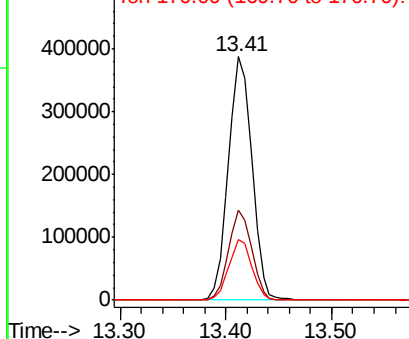


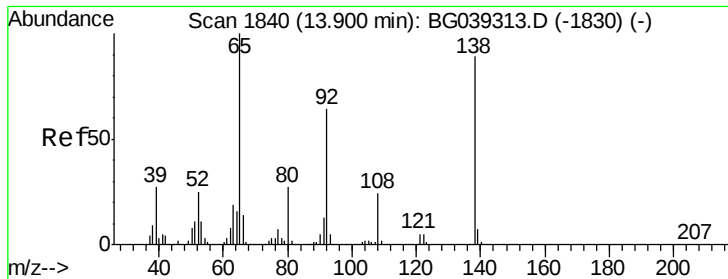
#45
 2-Fluorobiphenyl
 Concen: 62.455 ng
 RT: 13.41 min Scan# 1757
 Delta R.T. -0.02 min
 Lab File: BG039602.D
 Acq: 26 Feb 2019 16:02

Tgt Ion:172 Resp: 600286
 Ion Ratio Lower Upper
 172 100
 171 36.8 30.8 46.2
 170 24.8 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: 8.316 ng

RT: 14.11 min Scan# 1875

Delta R.T. 0.21 min

Lab File: BG039602.D

Acq: 26 Feb 2019 16:02

Instrument :

BNA_G

ClientSampleId :

M-1

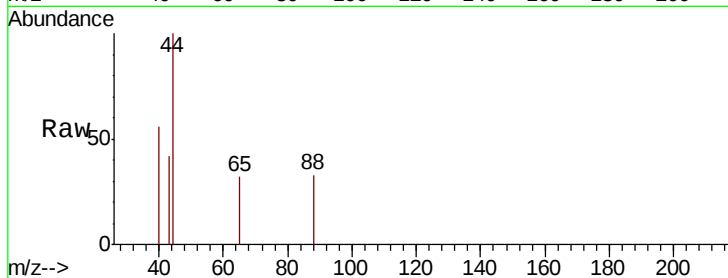
Tgt Ion: 65 Resp: 59

Ion Ratio Lower Upper

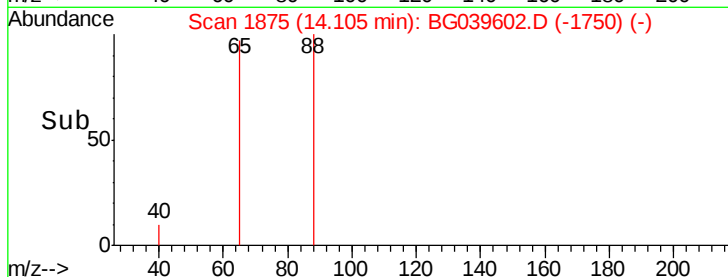
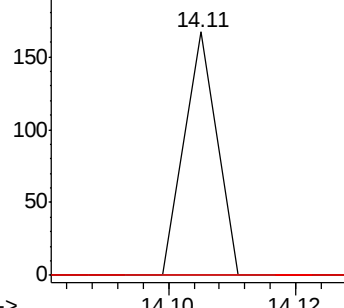
65 100

92 0.0 51.4 77.2#

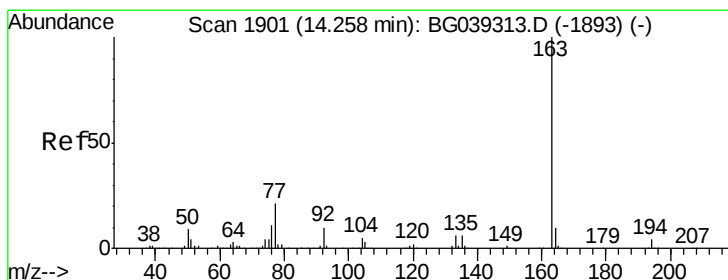
138 0.0 71.4 107.2#



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



Time-->



#50

Dimethylphthalate

Concen: 3.805 ng

RT: 14.23 min Scan# 1896

Delta R.T. -0.03 min

Lab File: BG039602.D

Acq: 26 Feb 2019 16:02

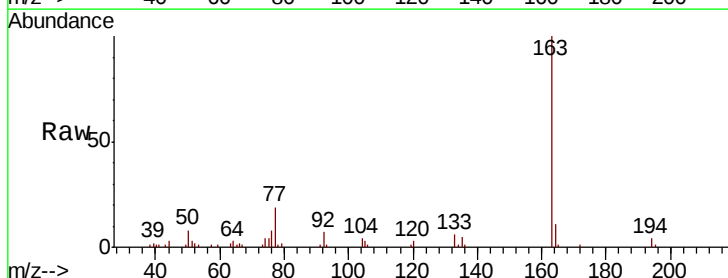
Tgt Ion: 163 Resp: 42374

Ion Ratio Lower Upper

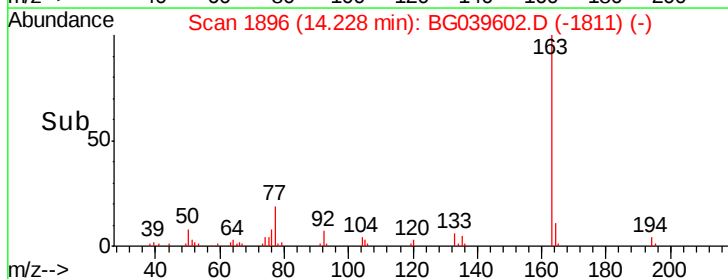
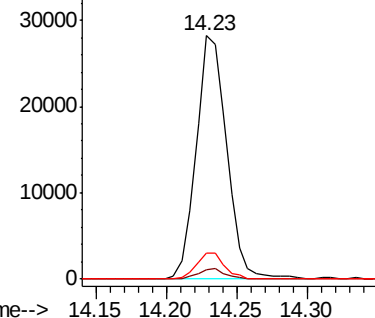
163 100

194 3.6 3.6 5.4

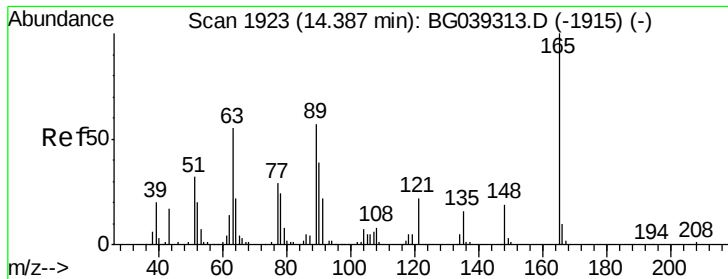
164 10.7 8.4 12.6



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



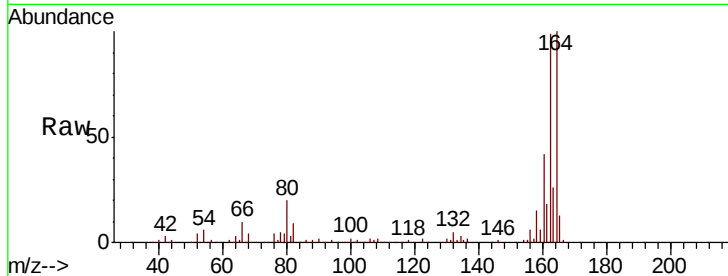
Time-->



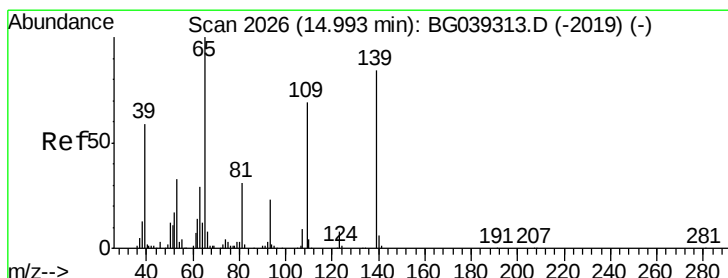
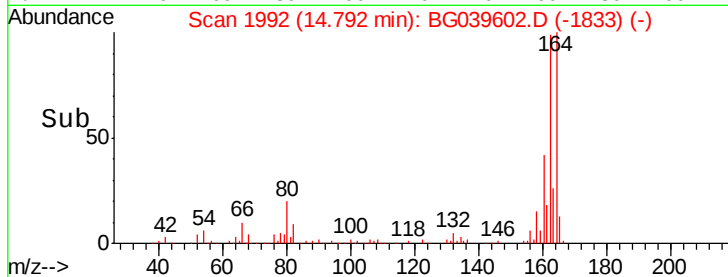
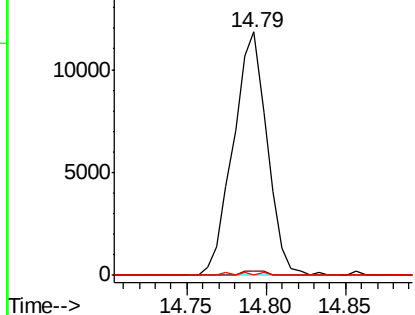
#51
 2,6-Dinitrotoluene
 Concen: 13.823 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. 0.41 min
 Lab File: BG039602.D
 Acq: 26 Feb 2019 16:02

Instrument :
 BNA_G
 ClientSampleId :
 M-1

Tgt Ion:165 Resp: 17512
 Ion Ratio Lower Upper
 165 100
 63 1.6 47.0 70.6#
 89 0.0 45.8 68.8#

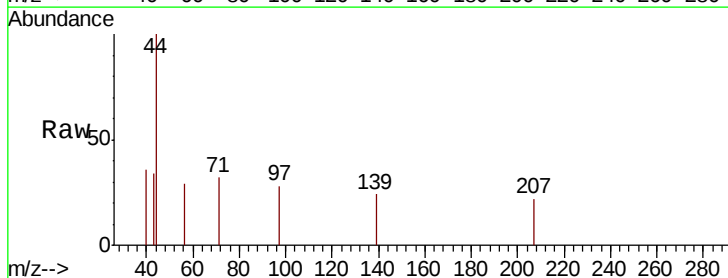


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGO
 Ion 89.00 (88.70 to 89.70): BGO

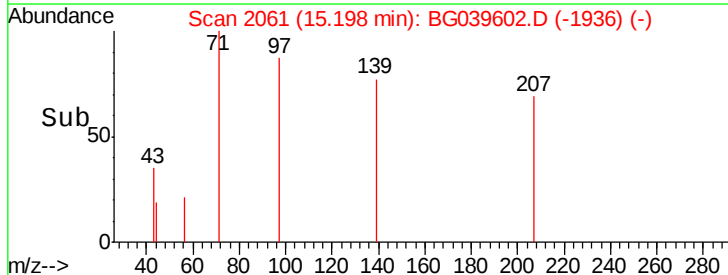
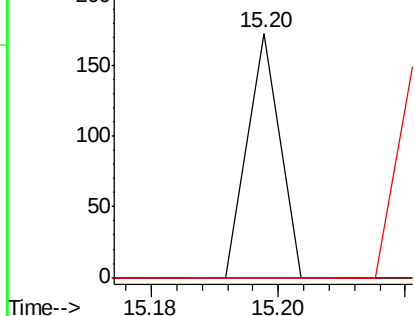


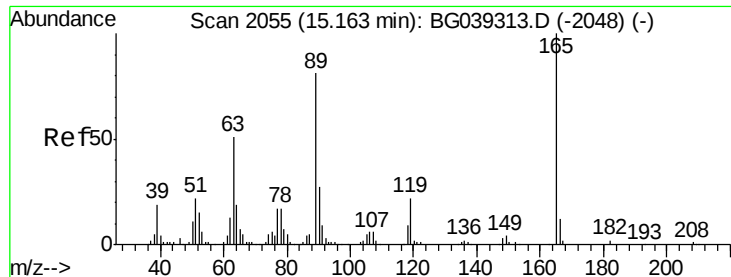
#56
 4-Nitrophenol
 Concen: 5.822 ng
 RT: 15.20 min Scan# 2061
 Delta R.T. 0.21 min
 Lab File: BG039602.D
 Acq: 26 Feb 2019 16:02

Tgt Ion:139 Resp: 61
 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): BGO

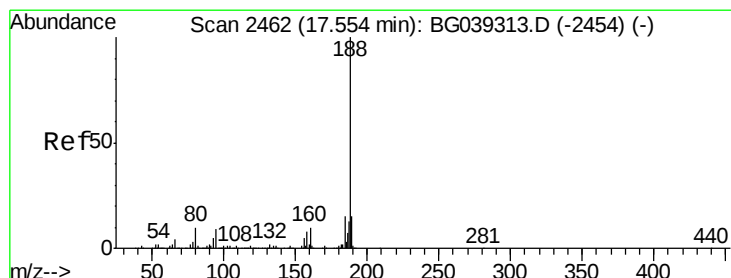
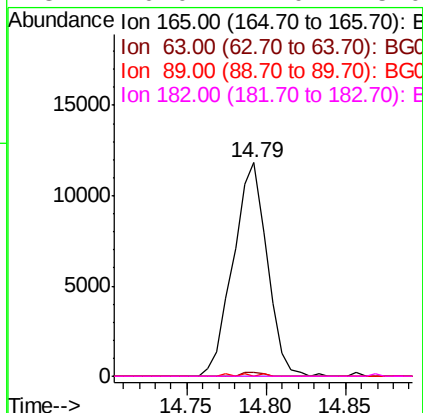
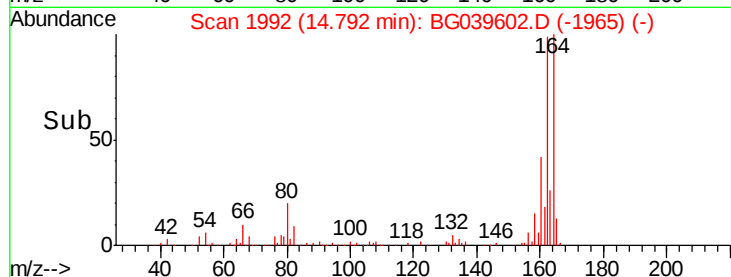
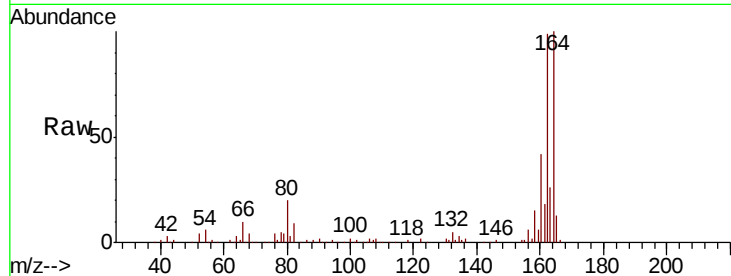




#57
2,4-Dinitrotoluene
Concen: 13.323 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.37 min
Lab File: BG039602.D
Acq: 26 Feb 2019 16:02

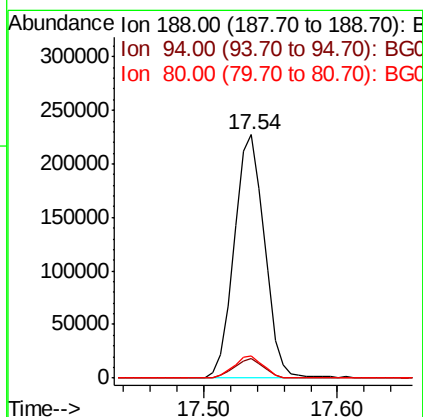
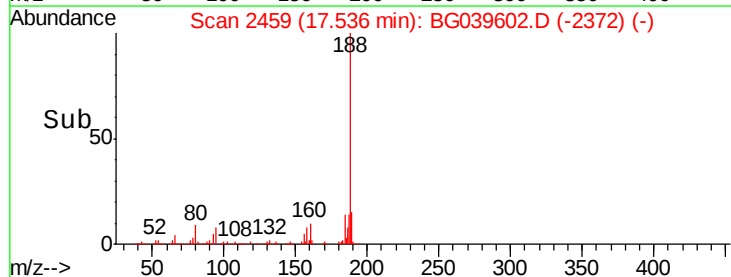
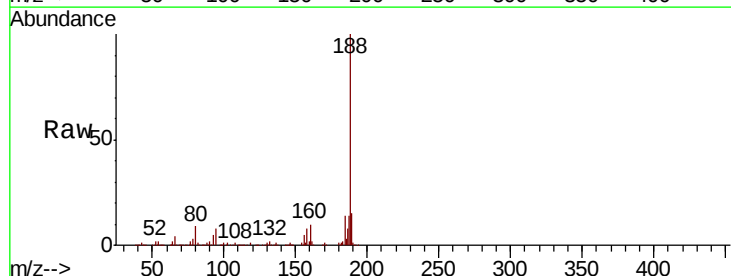
Instrument :
BNA_G
ClientSampleId :
M-1

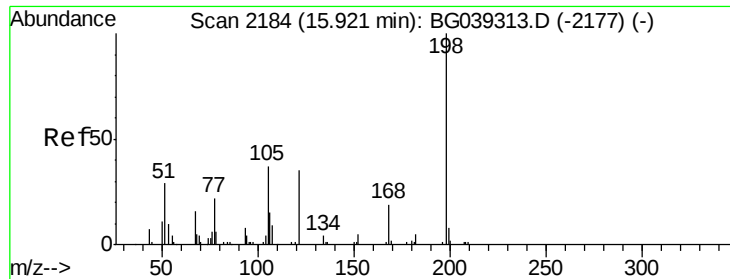
Tgt Ion:165 Resp: 17512
Ion Ratio Lower Upper
165 100
63 1.6 41.0 61.6#
89 0.0 64.6 96.8#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.54 min Scan# 2459
Delta R.T. -0.02 min
Lab File: BG039602.D
Acq: 26 Feb 2019 16:02

Tgt Ion:188 Resp: 358453
Ion Ratio Lower Upper
188 100
94 8.2 6.9 10.3
80 9.2 8.1 12.1





#65

4,6-Dinitro-2-methylphenol

Concen: 4.838 ng

RT: 16.27 min Scan# 2244

Delta R.T. 0.35 min

Lab File: BG039602.D

Acq: 26 Feb 2019 16:02

Instrument :

BNA_G

ClientSampled :

M-1

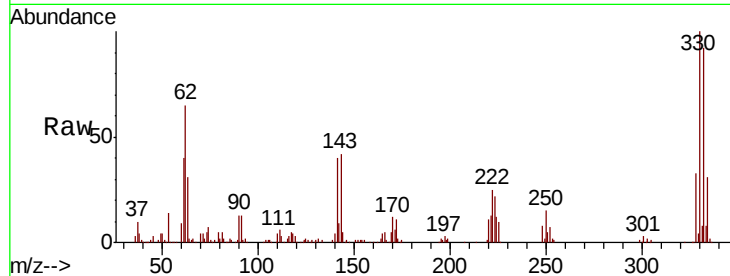
Tgt Ion:198 Resp: 741

Ion Ratio Lower Upper

198 100

51 129.5 27.4 67.4#

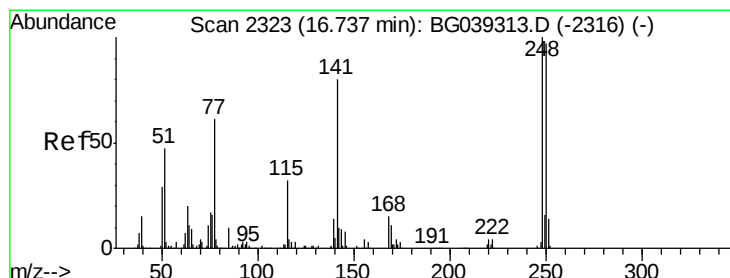
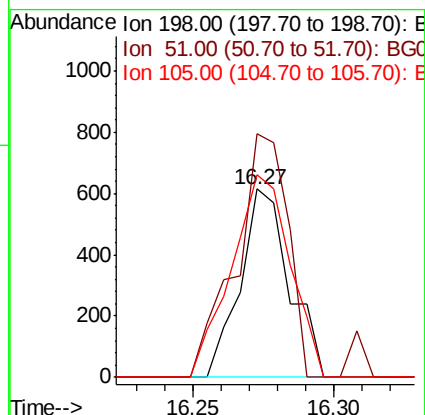
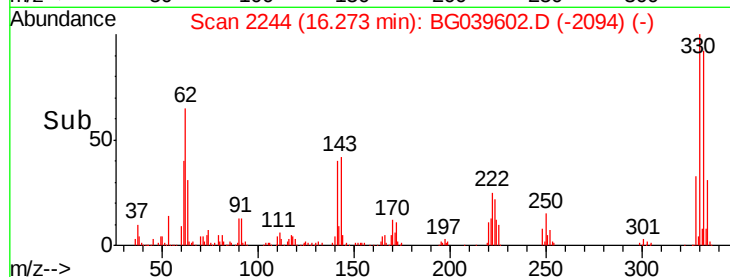
105 107.5 19.7 59.7#



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: 3.692 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.46 min

Lab File: BG039602.D

Acq: 26 Feb 2019 16:02

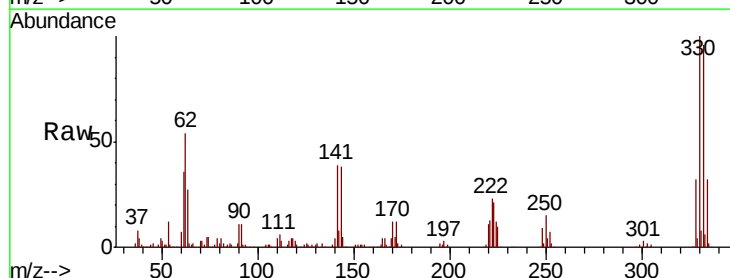
Tgt Ion:248 Resp: 14681

Ion Ratio Lower Upper

248 100

250 170.4 77.6 116.4#

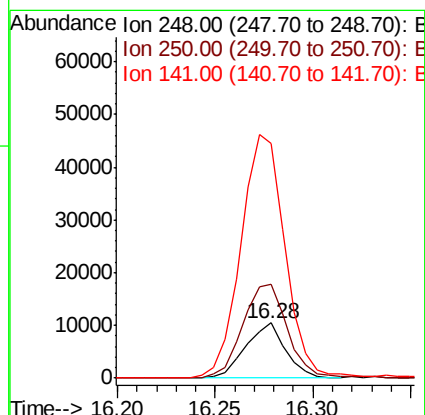
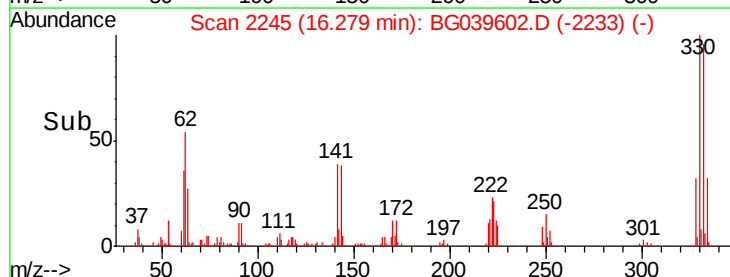
141 427.7 63.9 95.9#

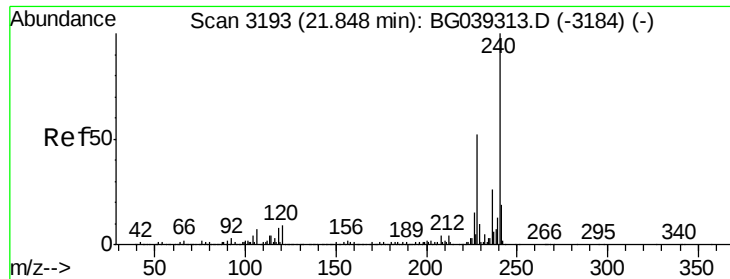


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

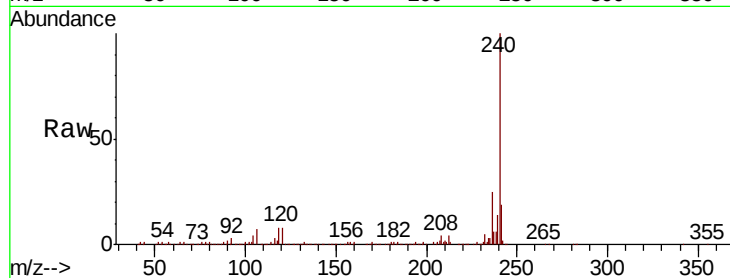




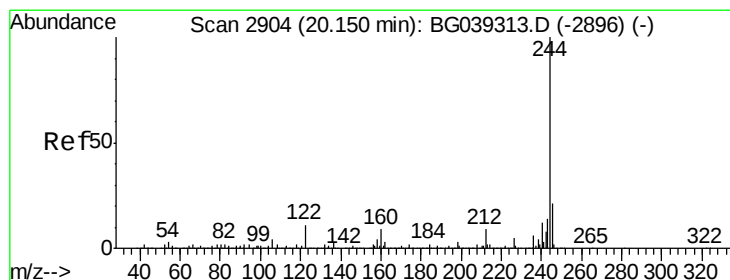
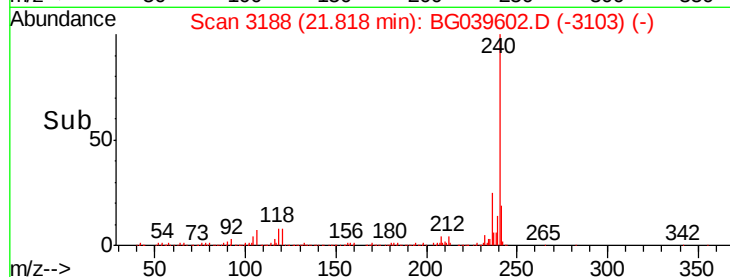
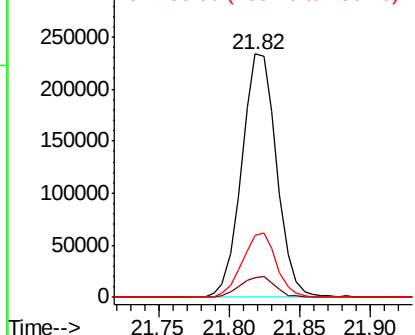
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3188
 Delta R.T. -0.03 min
 Lab File: BG039602.D
 Acq: 26 Feb 2019 16:02

Instrument :
 BNA_G
 ClientSampleId :
 M-1

Tgt Ion:240 Resp: 404542
 Ion Ratio Lower Upper
 240 100
 120 8.3 7.0 10.6
 236 25.3 21.0 31.4

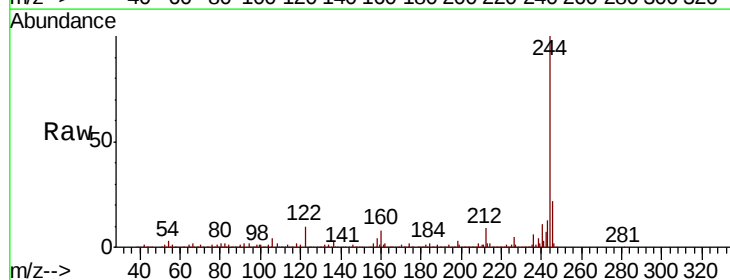


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

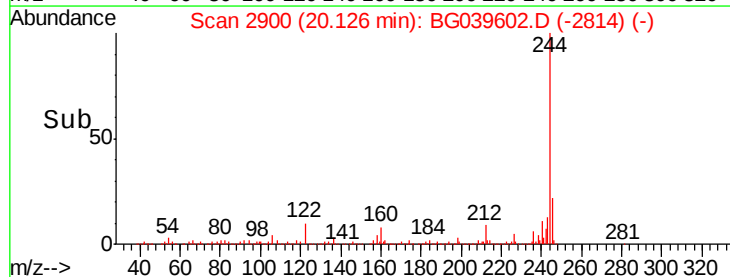
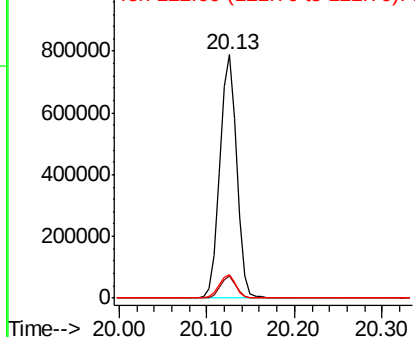


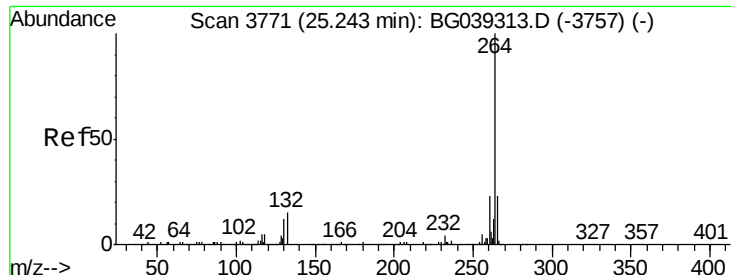
#79
 Terphenyl-d14
 Concen: 55.391 ng
 RT: 20.13 min Scan# 2900
 Delta R.T. -0.02 min
 Lab File: BG039602.D
 Acq: 26 Feb 2019 16:02

Tgt Ion:244 Resp: 1058642
 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# 3763
Delta R.T. -0.05 min
Lab File: BG039602.D
Acq: 26 Feb 2019 16:02

Instrument :
BNA_G
ClientSampleId :
M-1

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.2	27.4
265	20.9	18.5	27.7

