

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG020819\
 Data File : BG039421.D
 Acq On : 8 Feb 2019 18:36
 Operator : JU/SJ
 Sample : K1404-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DUP-02-06-19

Quant Time: Feb 08 23:35:56 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	54949	20.00	ng	0.00
21) Naphthalene-d8	11.00	136	239591	20.00	ng	-0.01
39) Acenaphthene-d10	14.80	164	158578	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	380117	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	413229	20.00	ng	-0.02
87) Perylene-d12	25.21	264	411034	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	483470	150.59	ng	0.00
7) Phenol-d6	7.31	99	703463	148.85	ng	0.00
23) Nitrobenzene-d5	9.35	82	416164	108.51	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	266365	155.99	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	936057	84.68	ng	-0.01
79) Terphenyl-d14	20.14	244	1457476	74.66	ng	-0.01

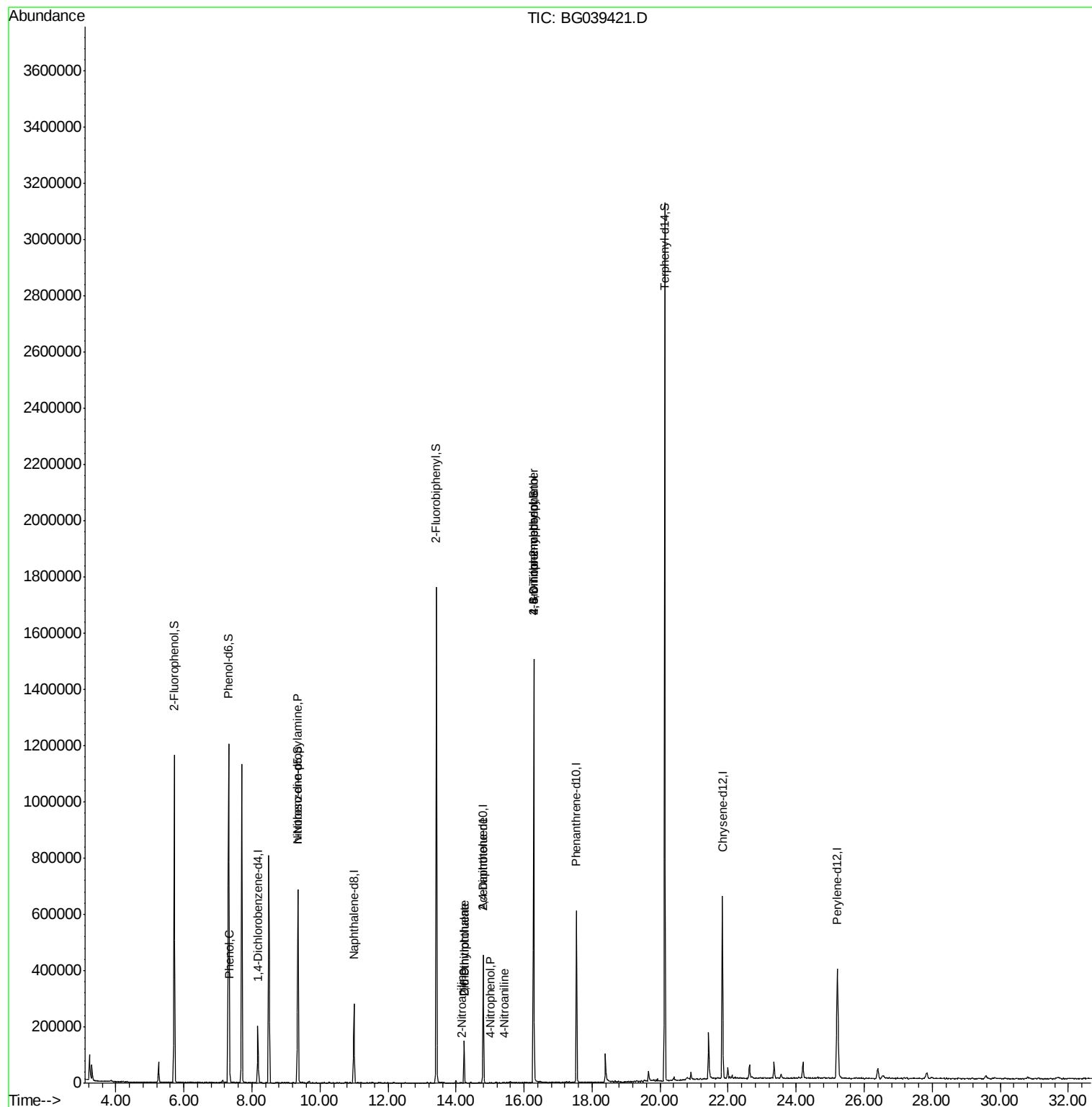
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	1712	Below Cal		# 4
10) Phenol	7.34	94	43374	8.805	ng	93
19) n-Nitroso-di-n-propylamine	9.35	70	55896	16.664	ng	# 65
48) 2-Nitroaniline	14.16	65	56	8.313	ng	# 10
50) Dimethylphthalate	14.24	163	101163	7.899	ng	98
51) 2,6-Dinitrotoluene	14.24	165	912	6.888	ng	# 23
56) 4-Nitrophenol	15.01	139	132	5.847	ng	# 1
57) 2,4-Dinitrotoluene	14.80	165	21314	13.643	ng	# 20
62) 4-Nitroaniline	15.42	138	59	4.223	ng	# 10
65) 4,6-Dinitro-2-methylphenol	16.28	198	824	4.870	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	20915	4.960	ng	# 1

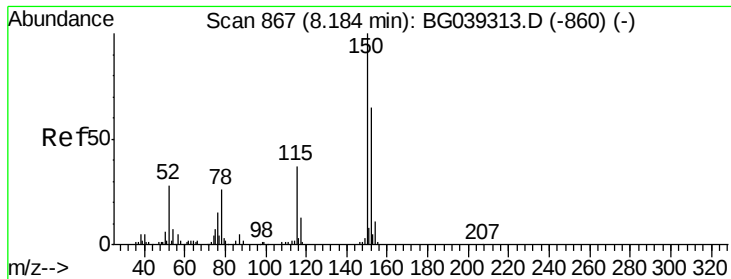
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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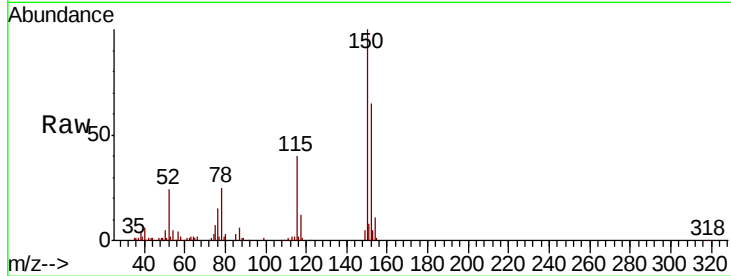


#1

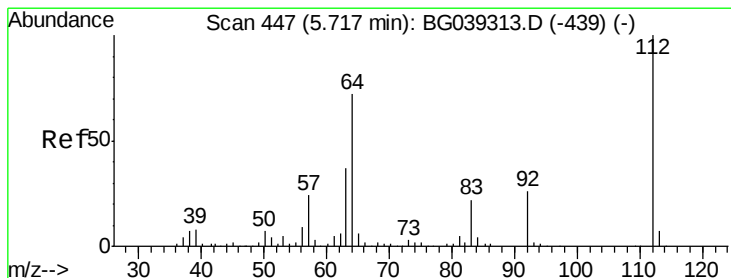
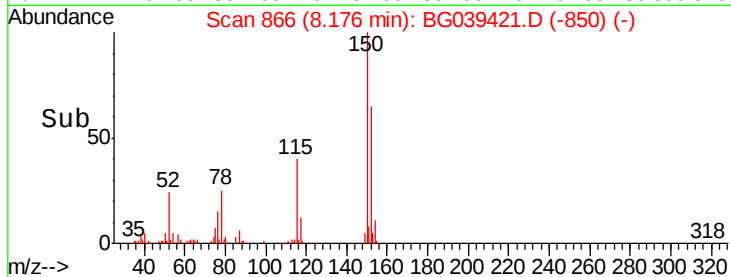
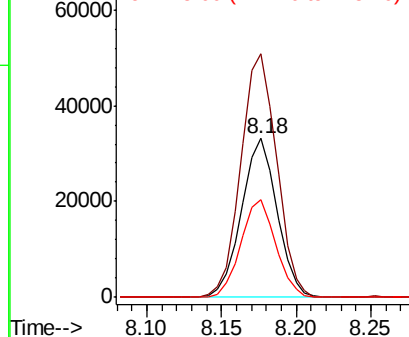
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.18 min Scan# 866
Delta R.T. -0.01 min
Lab File: BG039421.D
Acq: 8 Feb 2019 18:36

Instrument :
BNA_G
ClientSampleId :
DUP-02-06-19

Tgt Ion:152 Resp: 54949
Ion Ratio Lower Upper
152 100
150 153.5 123.7 185.5
115 61.2 45.9 68.9



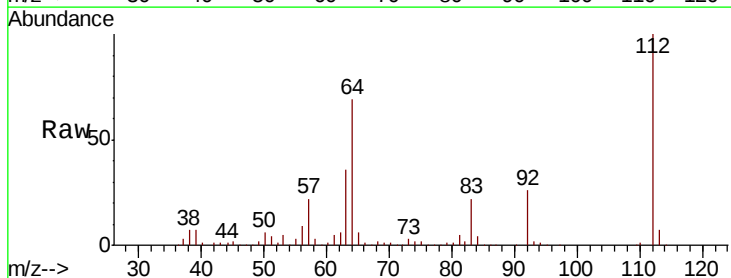
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



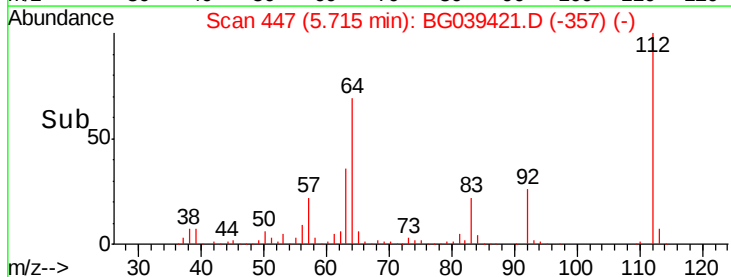
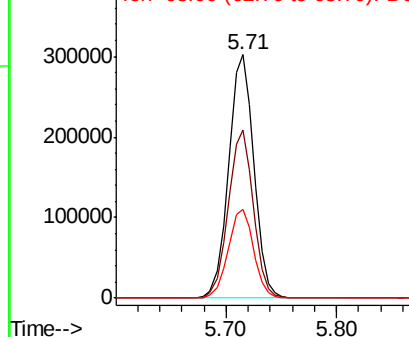
#5

2-Fluorophenol
Concen: 150.587 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039421.D
Acq: 8 Feb 2019 18:36

Tgt Ion:112 Resp: 483470
Ion Ratio Lower Upper
112 100
64 69.2 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: 148.854 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039421.D

Acq: 8 Feb 2019 18:36

Instrument :

BNA_G

ClientSampleId :

DUP-02-06-19

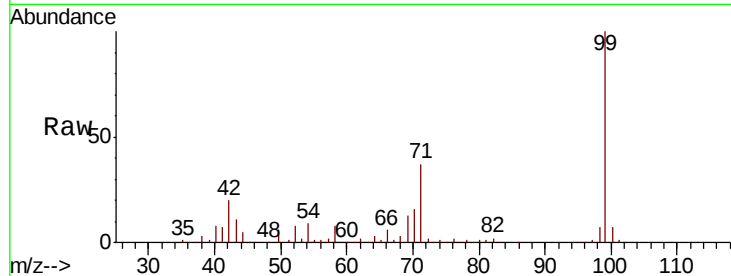
Tgt Ion: 99 Resp: 703463

Ion Ratio Lower Upper

99 100

42 20.3 18.2 27.2

71 36.5 28.0 42.0

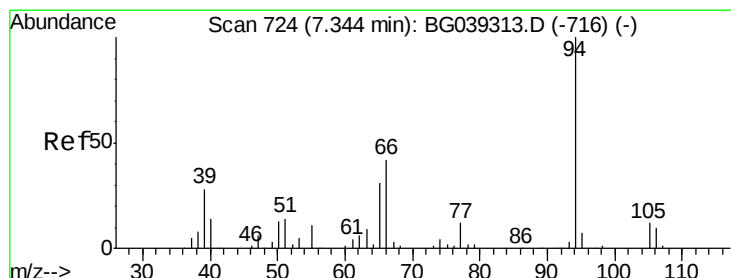
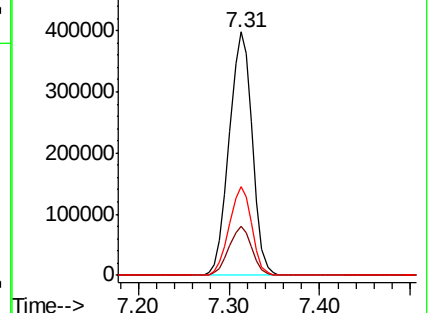
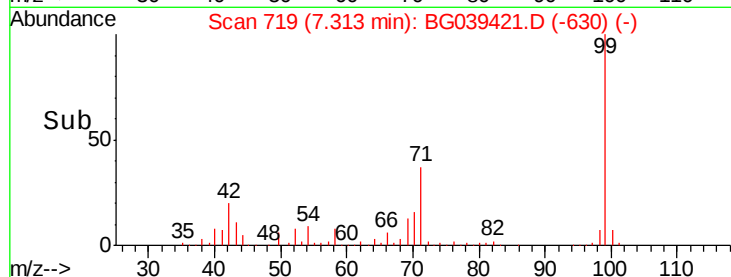


Abundance

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



#10

Phenol

Concen: 8.805 ng

RT: 7.34 min Scan# 724

Delta R.T. -0.00 min

Lab File: BG039421.D

Acq: 8 Feb 2019 18:36

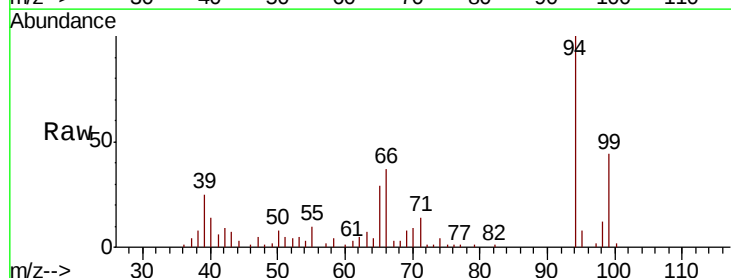
Tgt Ion: 94 Resp: 43374

Ion Ratio Lower Upper

94 100

65 29.3 11.7 51.7

66 37.5 23.7 63.7

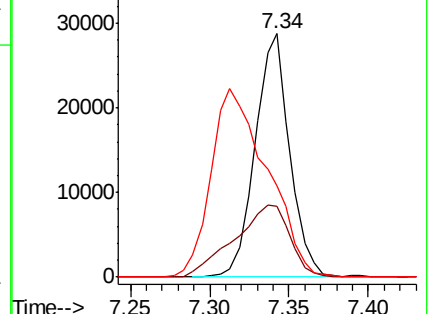
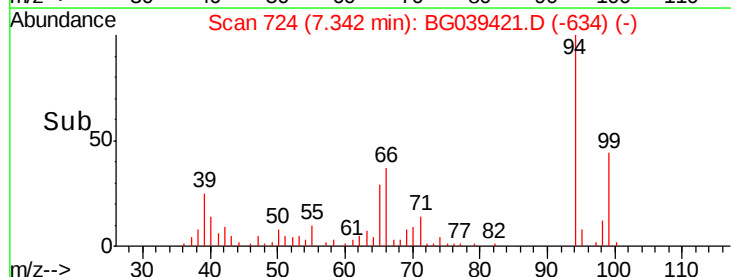


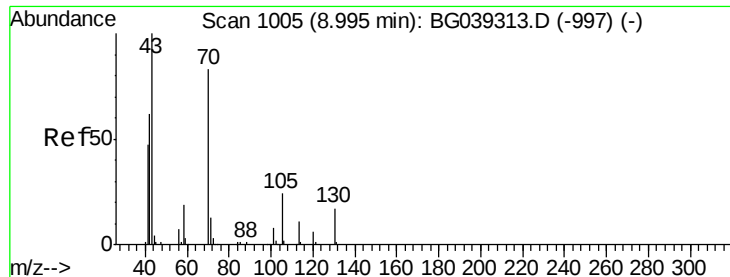
Abundance

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

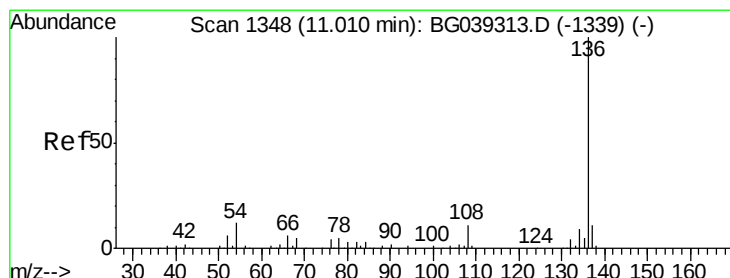
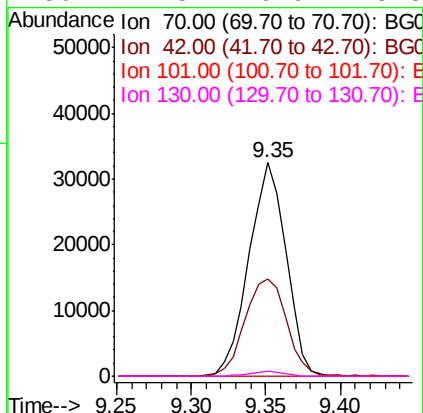
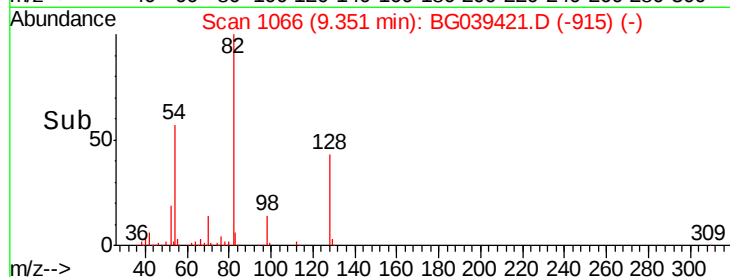
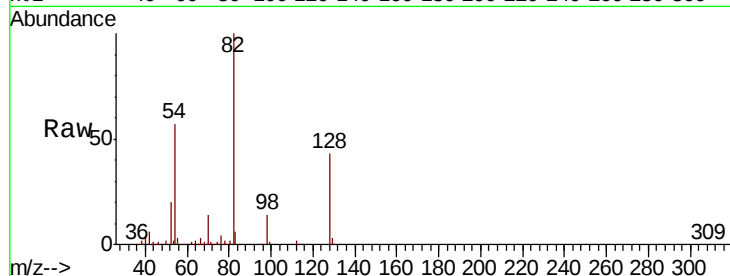




#19
n-Nitroso-di-n-propylamine
Concen: 16.664 ng
RT: 9.35 min Scan# 1066
Delta R.T. 0.36 min
Lab File: BG039421.D
Acq: 8 Feb 2019 18:36

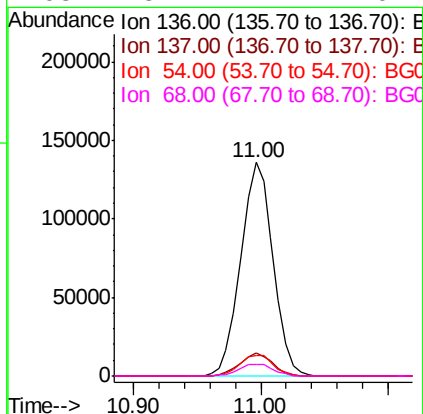
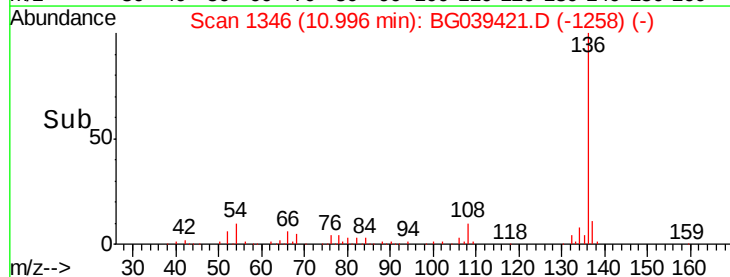
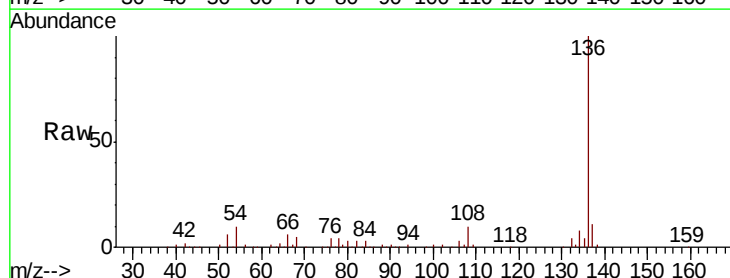
Instrument :
BNA_G
ClientSampleId :
DUP-02-06-19

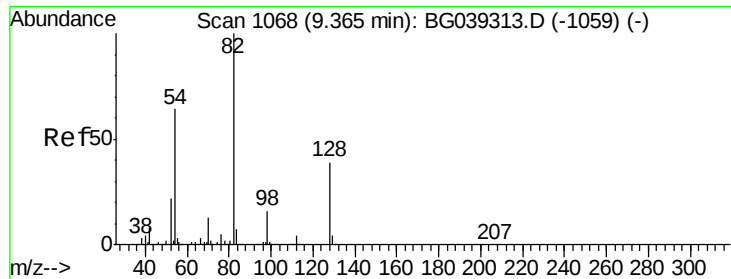
Tgt Ion: 70 Resp: 55896
Ion Ratio Lower Upper
70 100
42 45.6 60.4 90.6#
101 0.0 7.5 11.3#
130 2.5 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BG039421.D
Acq: 8 Feb 2019 18:36

Tgt Ion: 136 Resp: 239591
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 9.8 9.4 14.2
68 5.4 4.2 6.4

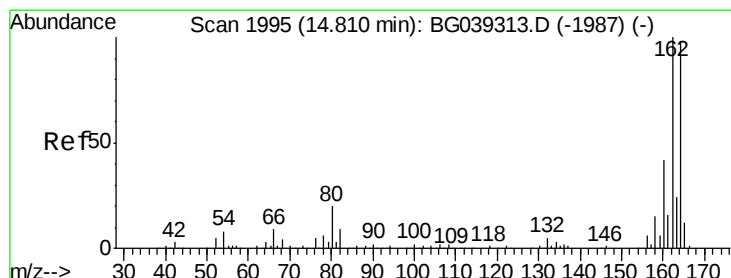
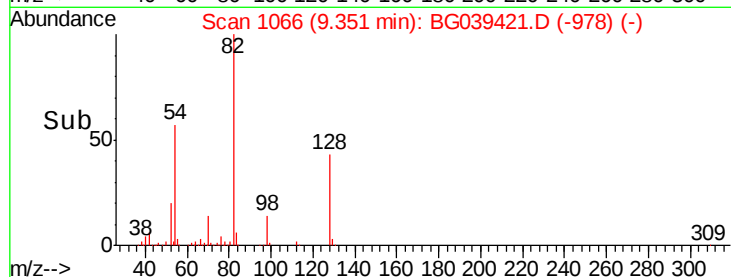
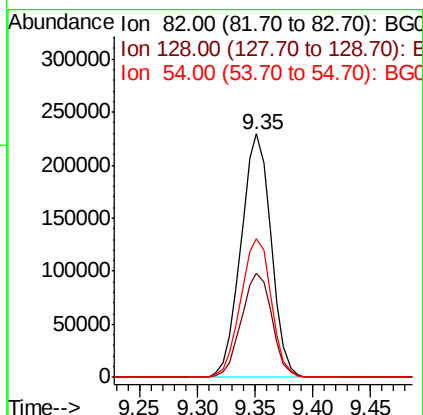
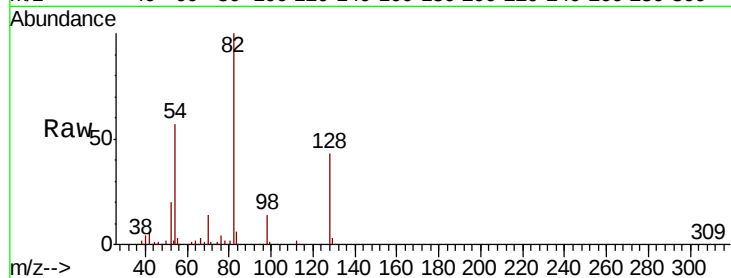




#23
 Nitrobenzene-d5
 Concen: 108.512 ng
 RT: 9.35 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: BG039421.D
 Acq: 8 Feb 2019 18:36

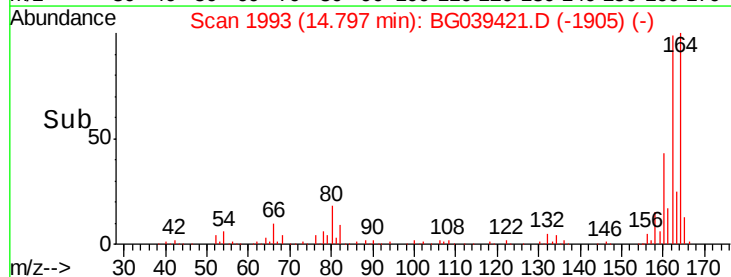
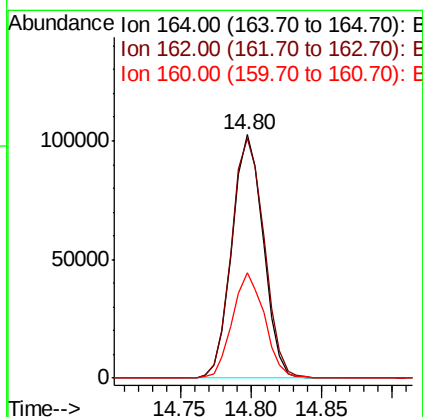
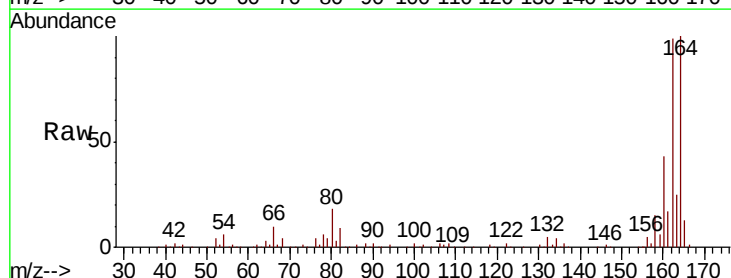
Instrument :
 BNA_G
 ClientSampleId :
 DUP-02-06-19

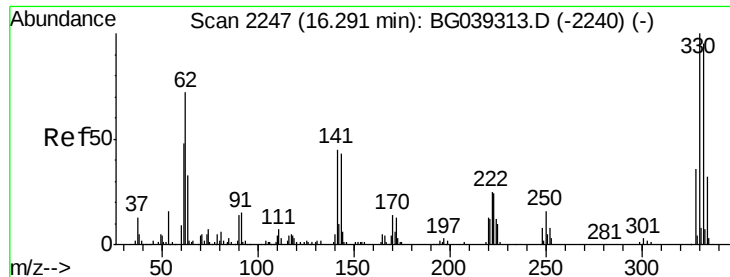
Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.6	31.3	46.9
54	57.2	50.9	76.3



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.80 min Scan# 1993
 Delta R.T. -0.01 min
 Lab File: BG039421.D
 Acq: 8 Feb 2019 18:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.6	81.6	122.4
160	43.4	34.2	51.2

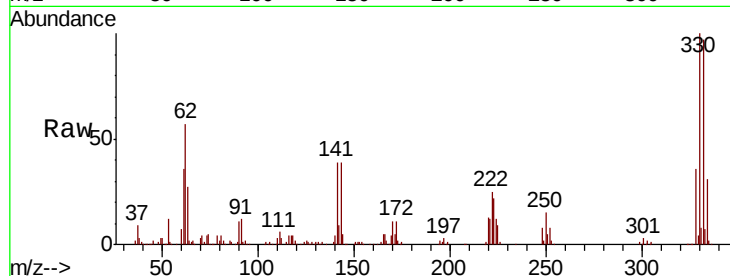




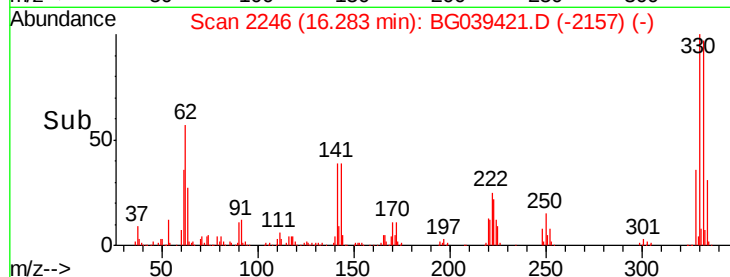
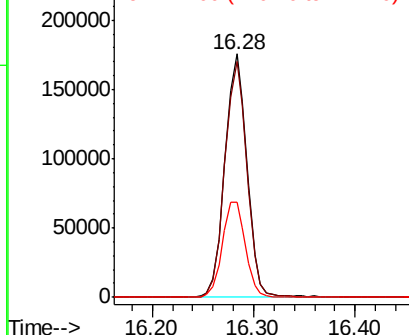
#42
 2,4,6-Tribromophenol
 Concen: 155.987 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.01 min
 Lab File: BG039421.D
 Acq: 8 Feb 2019 18:36

Instrument :
 BNA_G
 ClientSampleId :
 DUP-02-06-19

Tgt Ion:330 Resp: 266365
 Ion Ratio Lower Upper
 330 100
 332 97.4 75.7 113.5
 141 40.8 35.6 53.4

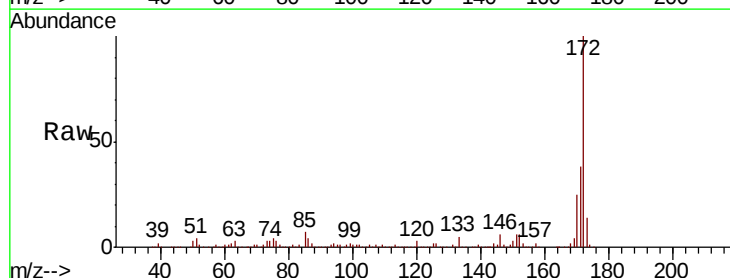


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

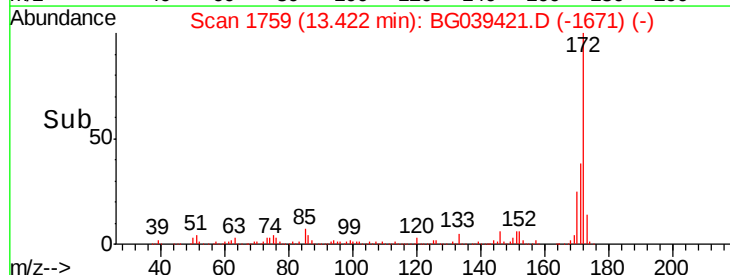
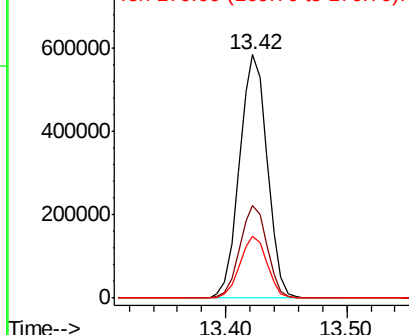


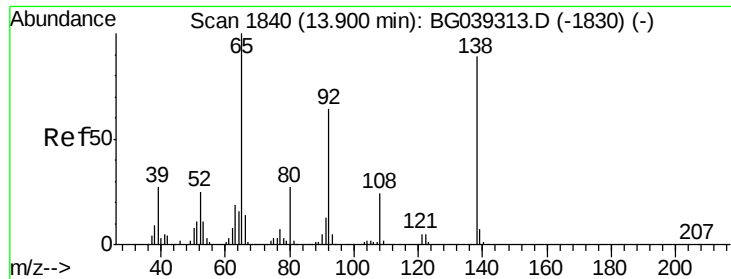
#45
 2-Fluorobiphenyl
 Concen: 84.679 ng
 RT: 13.42 min Scan# 1759
 Delta R.T. -0.01 min
 Lab File: BG039421.D
 Acq: 8 Feb 2019 18:36

Tgt Ion:172 Resp: 936057
 Ion Ratio Lower Upper
 172 100
 171 38.1 30.8 46.2
 170 25.2 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: 8.313 ng

RT: 14.16 min Scan# 1885

Delta R.T. 0.26 min

Lab File: BG039421.D

Acq: 8 Feb 2019 18:36

Instrument :

BNA_G

ClientSampleId :

DUP-02-06-19

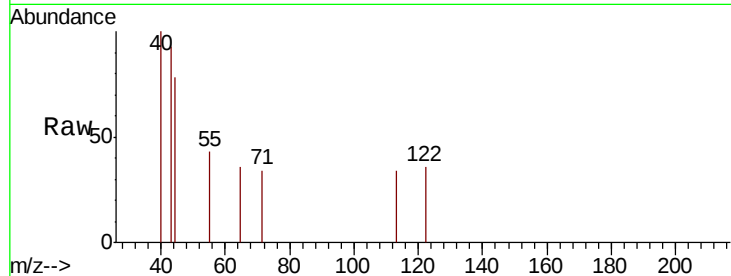
Tgt Ion: 65 Resp: 56

Ion Ratio Lower Upper

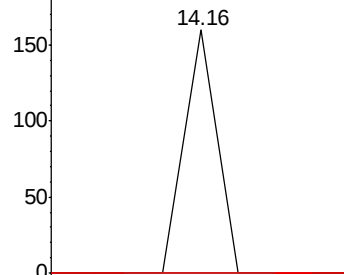
65 100

92 0.0 51.4 77.2#

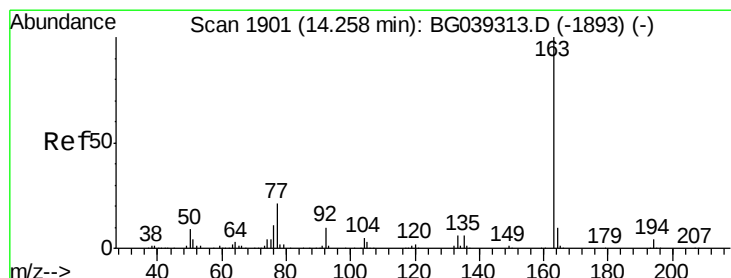
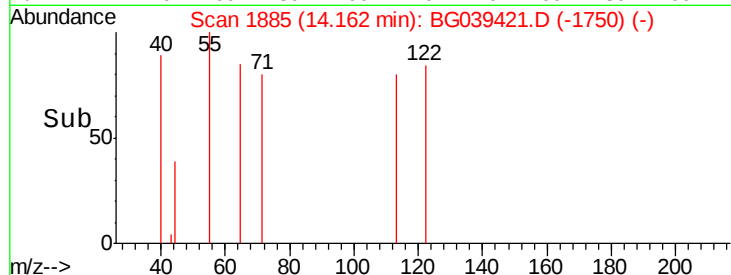
138 0.0 71.4 107.2#



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



Time--> 14.14 14.16 14.18



#50

Dimethylphthalate

Concen: 7.899 ng

RT: 14.24 min Scan# 1898

Delta R.T. -0.02 min

Lab File: BG039421.D

Acq: 8 Feb 2019 18:36

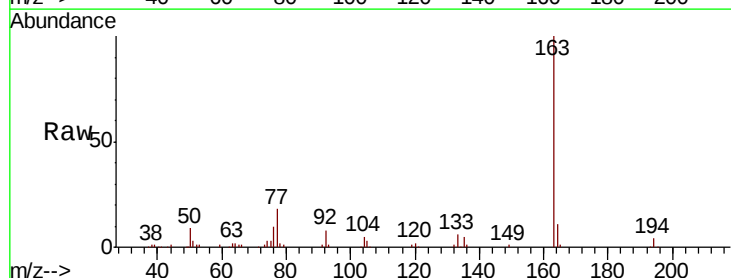
Tgt Ion: 163 Resp: 101163

Ion Ratio Lower Upper

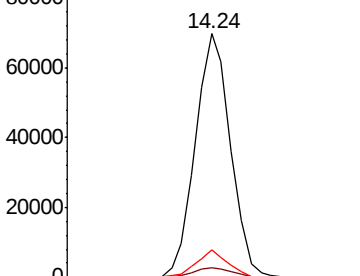
163 100

194 4.1 3.6 5.4

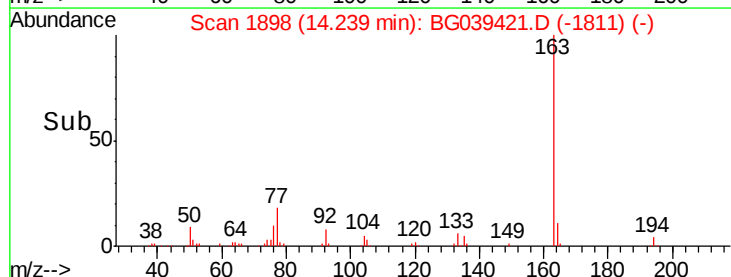
164 11.2 8.4 12.6

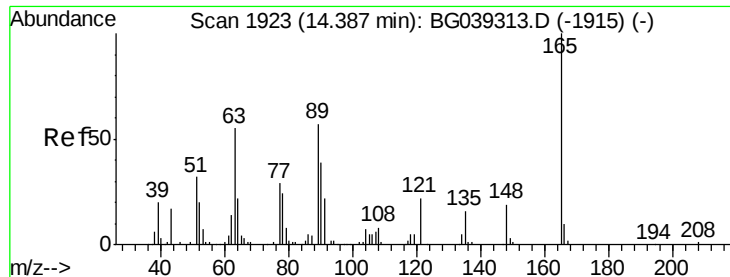


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



Time--> 14.20 14.25 14.30





#51

2,6-Dinitrotoluene

Concen: 6.888 ng

RT: 14.24 min Scan# 1899

Delta R.T. -0.14 min

Lab File: BG039421.D

Acq: 8 Feb 2019 18:36

Instrument :

BNA_G

ClientSampled :

DUP-02-06-19

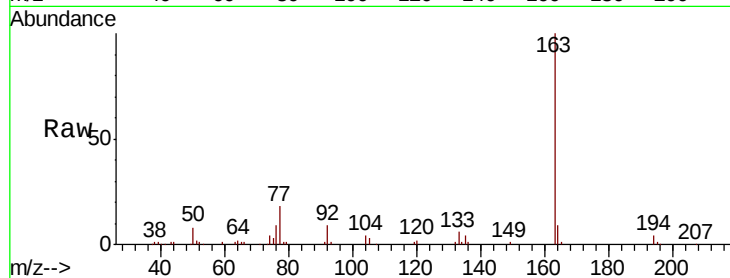
Tgt Ion:165 Resp: 912

Ion Ratio Lower Upper

165 100

63 115.5 47.0 70.6#

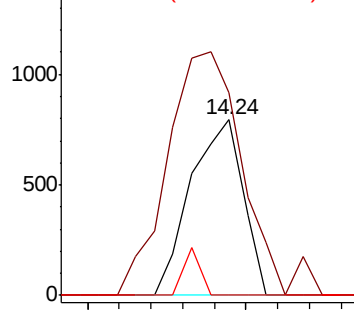
89 0.0 45.8 68.8#



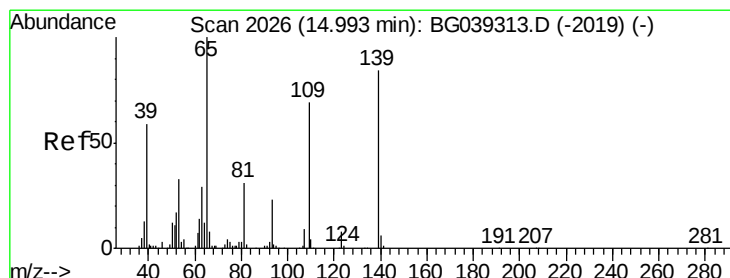
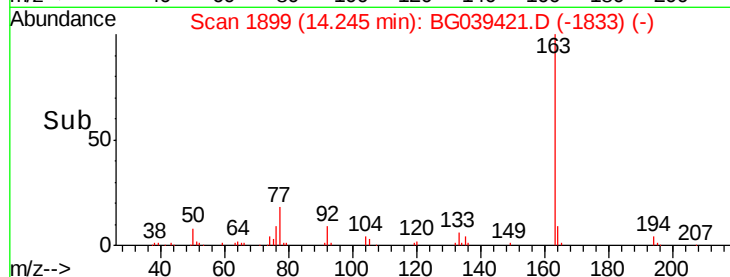
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



Time-->



#56

4-Nitrophenol

Concen: 5.847 ng

RT: 15.01 min Scan# 2030

Delta R.T. 0.02 min

Lab File: BG039421.D

Acq: 8 Feb 2019 18:36

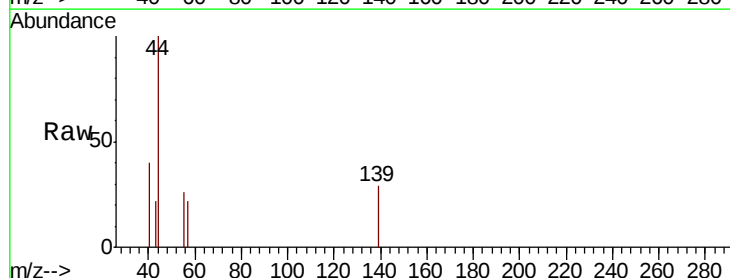
Tgt Ion:139 Resp: 132

Ion Ratio Lower Upper

139 100

109 0.0 61.9 101.9#

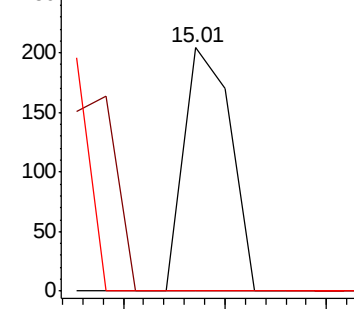
65 0.0 99.1 139.1#



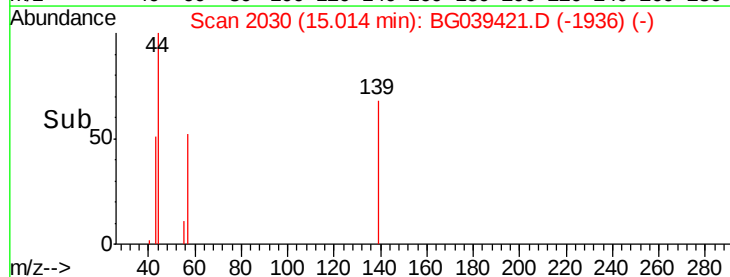
Abundance Ion 139.00 (138.70 to 139.70): E

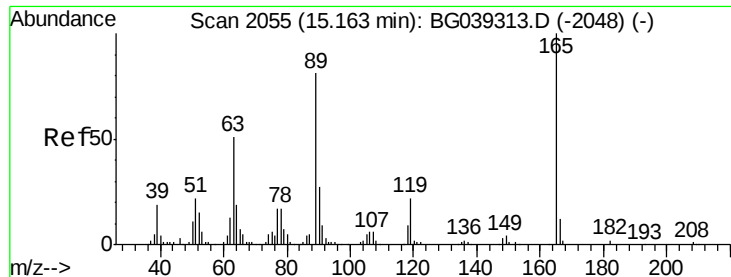
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



Time-->

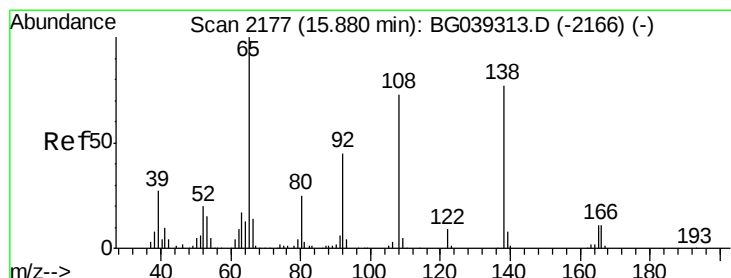
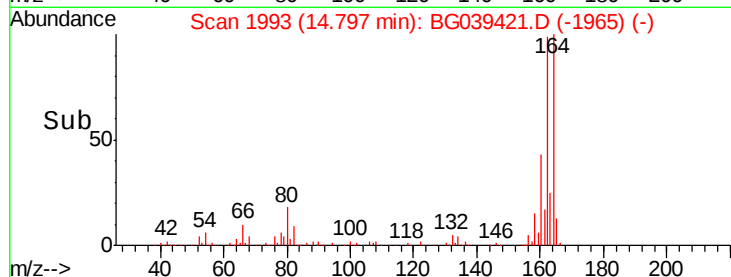
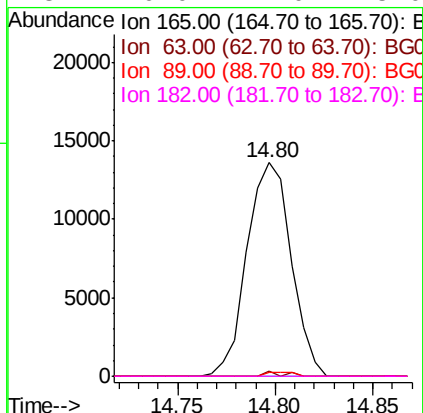
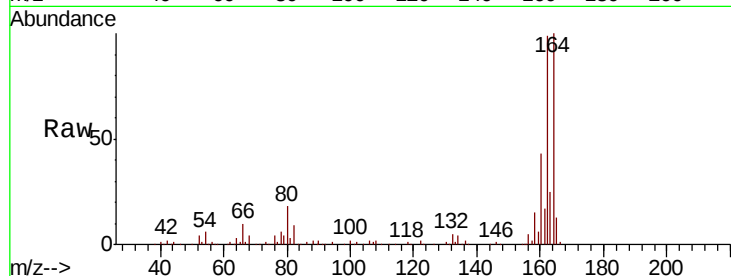




#57
 2,4-Dinitrotoluene
 Concen: 13.643 ng
 RT: 14.80 min Scan# 1993
 Delta R.T. -0.37 min
 Lab File: BG039421.D
 Acq: 8 Feb 2019 18:36

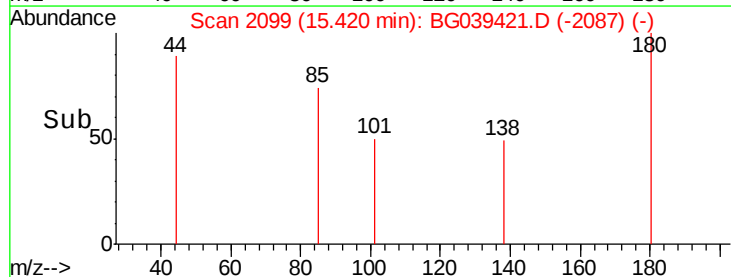
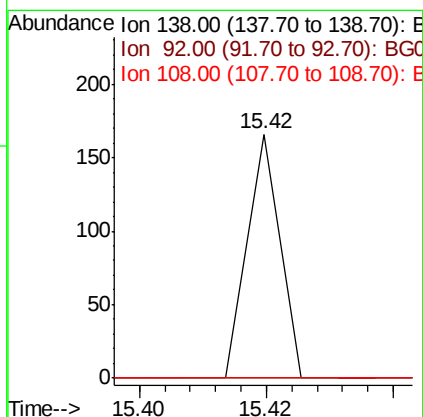
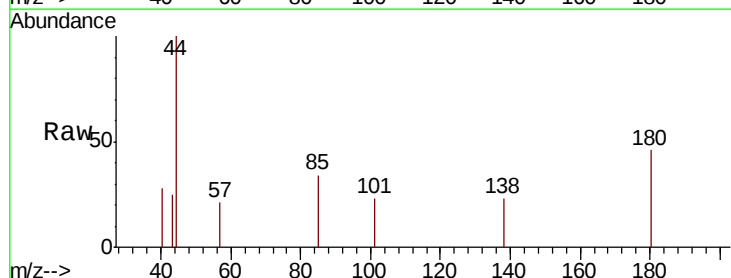
Instrument :
 BNA_G
 ClientSampleId :
 DUP-02-06-19

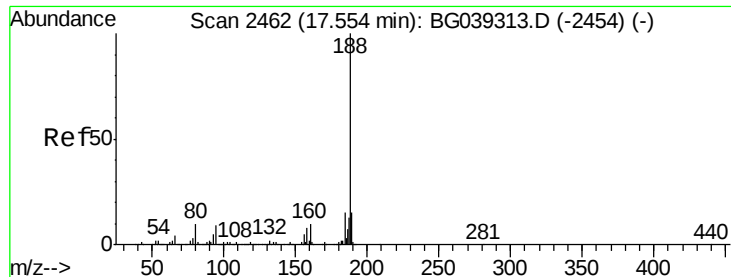
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.6	41.0	61.6#
89	2.0	64.6	96.8#
182	0.0	2.0	3.0#



#62
 4-Nitroaniline
 Concen: 4.223 ng
 RT: 15.42 min Scan# 2099
 Delta R.T. -0.46 min
 Lab File: BG039421.D
 Acq: 8 Feb 2019 18:36

Tgt Ion	Ratio	Lower	Upper
138	100		
92	0.0	38.7	78.7#
108	0.0	74.6	114.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG039421.D

Acq: 8 Feb 2019 18:36

Instrument :

BNA_G

ClientSampleId :

DUP-02-06-19

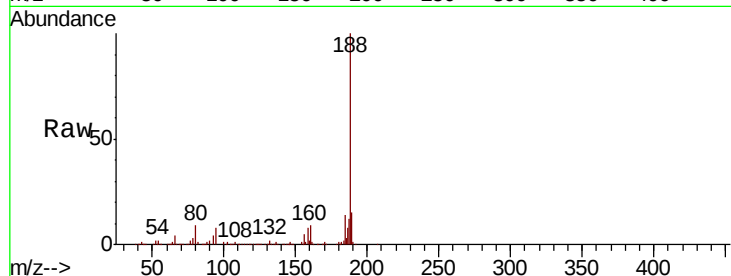
Tgt Ion:188 Resp: 380117

Ion Ratio Lower Upper

188 100

94 8.1 6.9 10.3

80 9.3 8.1 12.1

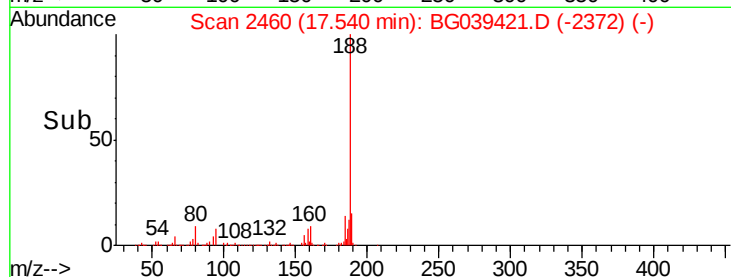


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG039421.D (-2372) (-)

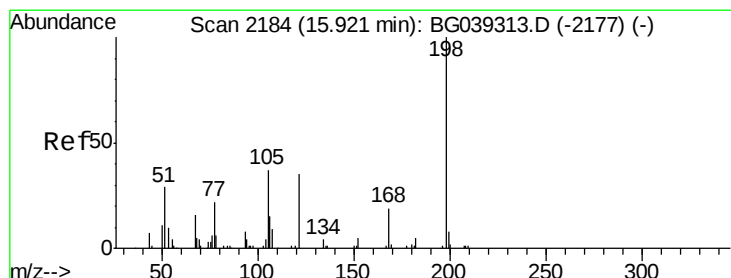
Ion 80.00 (79.70 to 80.70): BG039421.D (-2372) (-)

Time-->



17.54

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 4.870 ng

RT: 16.28 min Scan# 2246

Delta R.T. 0.36 min

Lab File: BG039421.D

Acq: 8 Feb 2019 18:36

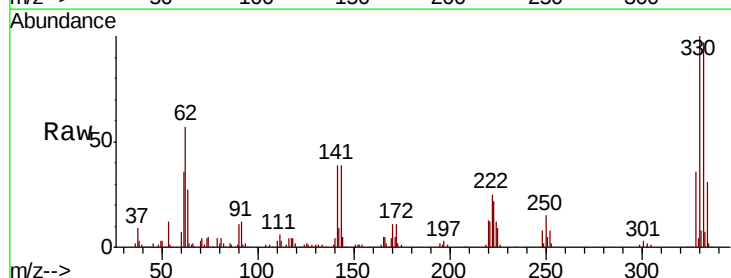
Tgt Ion:198 Resp: 824

Ion Ratio Lower Upper

198 100

51 146.1 27.4 67.4#

105 147.8 19.7 59.7#

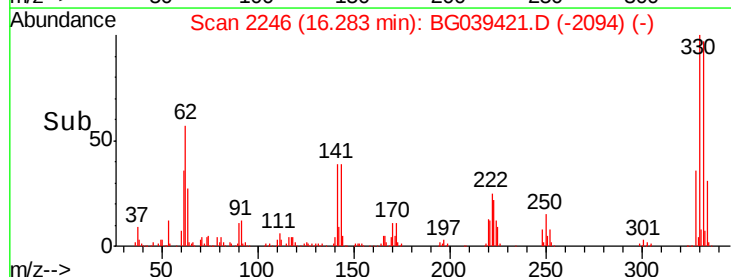


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG039421.D (-2094) (-)

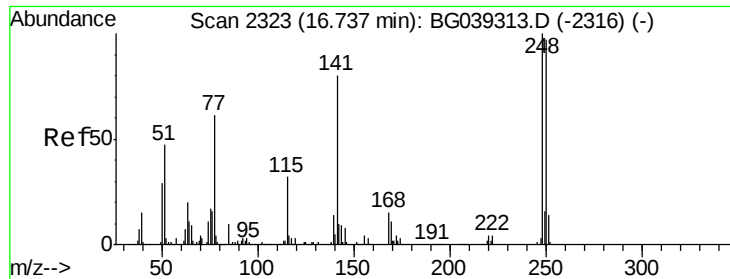
Ion 105.00 (104.70 to 105.70): BG039421.D (-2094) (-)

Time-->



16.28

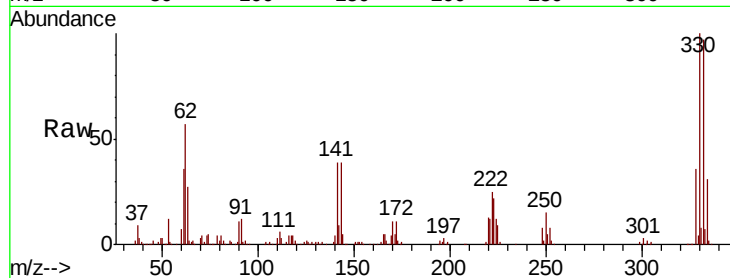
Time-->



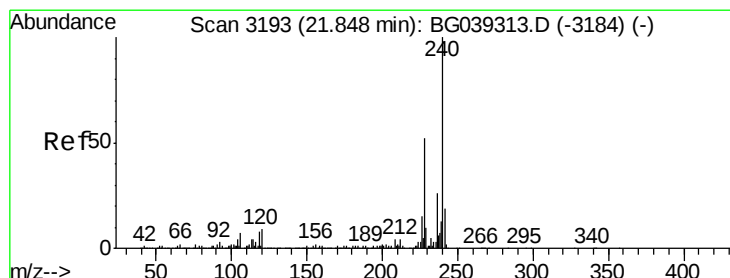
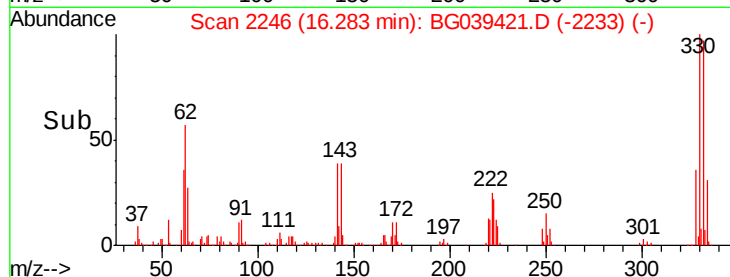
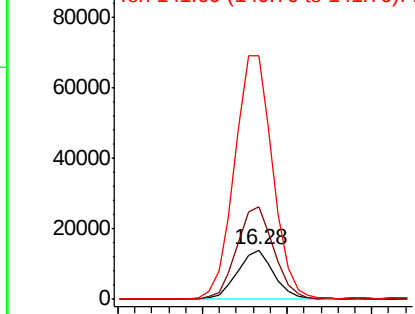
#67
 4-Bromophenyl-phenylether
 Concen: 4.960 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.45 min
 Lab File: BG039421.D
 Acq: 8 Feb 2019 18:36

Instrument :
 BNA_G
 ClientSampleId :
 DUP-02-06-19

Tgt Ion:248 Resp: 20915
 Ion Ratio Lower Upper
 248 100
 250 187.0 77.6 116.4#
 141 490.0 63.9 95.9#

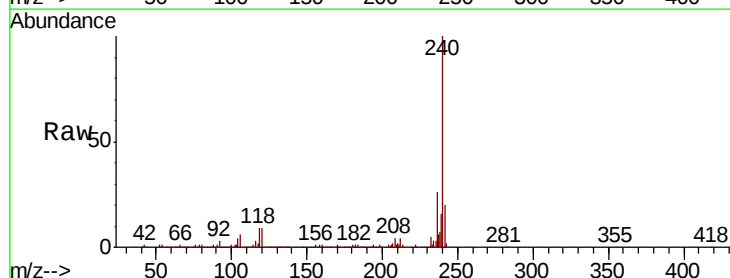


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

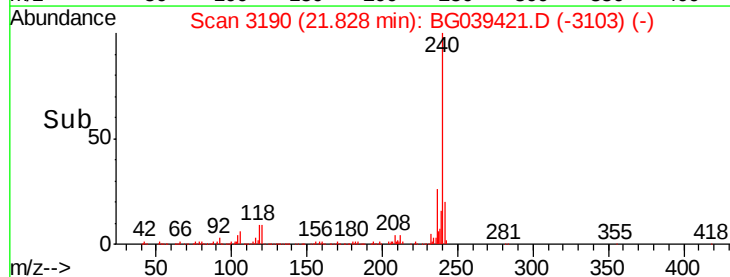
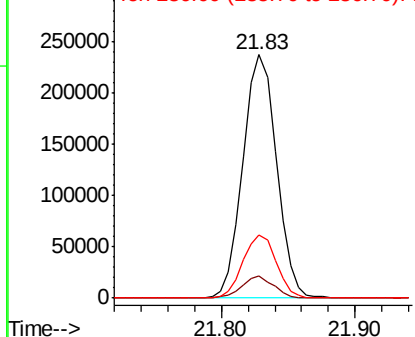


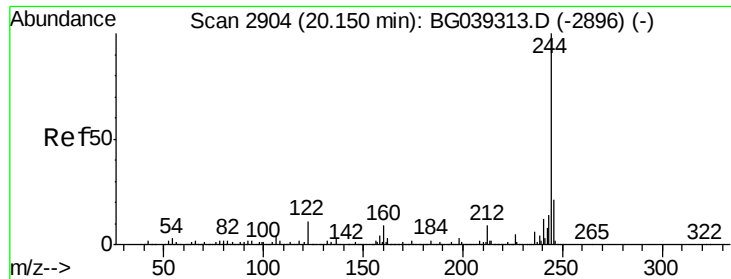
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.83 min Scan# 3190
 Delta R.T. -0.02 min
 Lab File: BG039421.D
 Acq: 8 Feb 2019 18:36

Tgt Ion:240 Resp: 413229
 Ion Ratio Lower Upper
 240 100
 120 9.2 7.0 10.6
 236 25.7 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: 74.656 ng

RT: 20.14 min Scan# 2902

Delta R.T. -0.01 min

Lab File: BG039421.D

Acq: 8 Feb 2019 18:36

Instrument :

BNA_G

ClientSampleId :

DUP-02-06-19

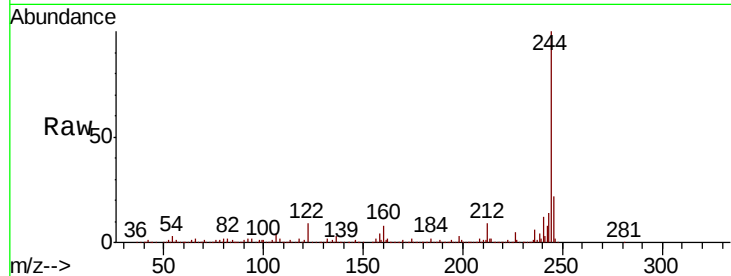
Tgt Ion:244 Resp: 1457476

Ion Ratio Lower Upper

244 100

212 8.9 7.3 10.9

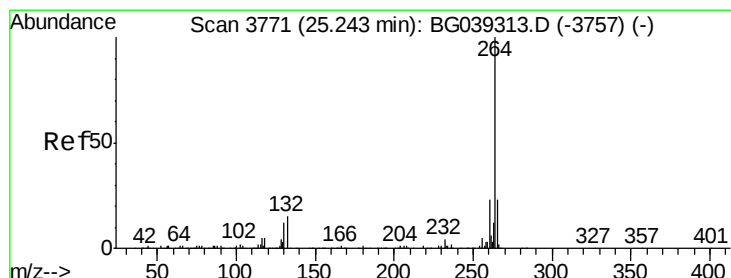
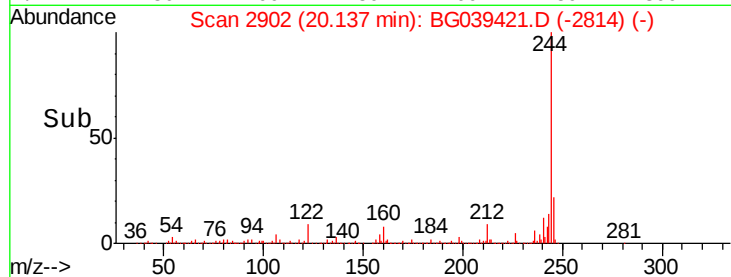
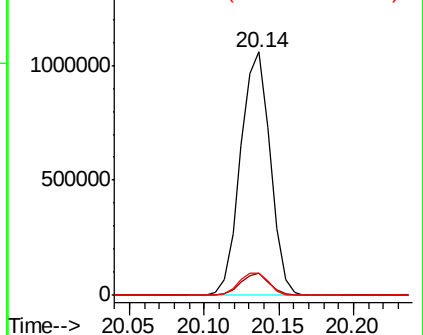
122 9.3 8.4 12.6



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: BG039421.D

Acq: 8 Feb 2019 18:36

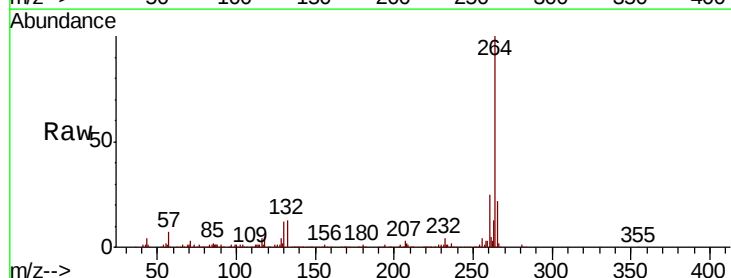
Tgt Ion:264 Resp: 411034

Ion Ratio Lower Upper

264 100

260 24.8 18.2 27.4

265 21.9 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

