

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032420\
 Data File : BG044934.D
 Acq On : 24 Mar 2020 17:28
 Operator : CG/JU
 Sample : L2021-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-A

Quant Time: Mar 25 02:33:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 23 07:18:46 2020
 Response via : Initial Calibration

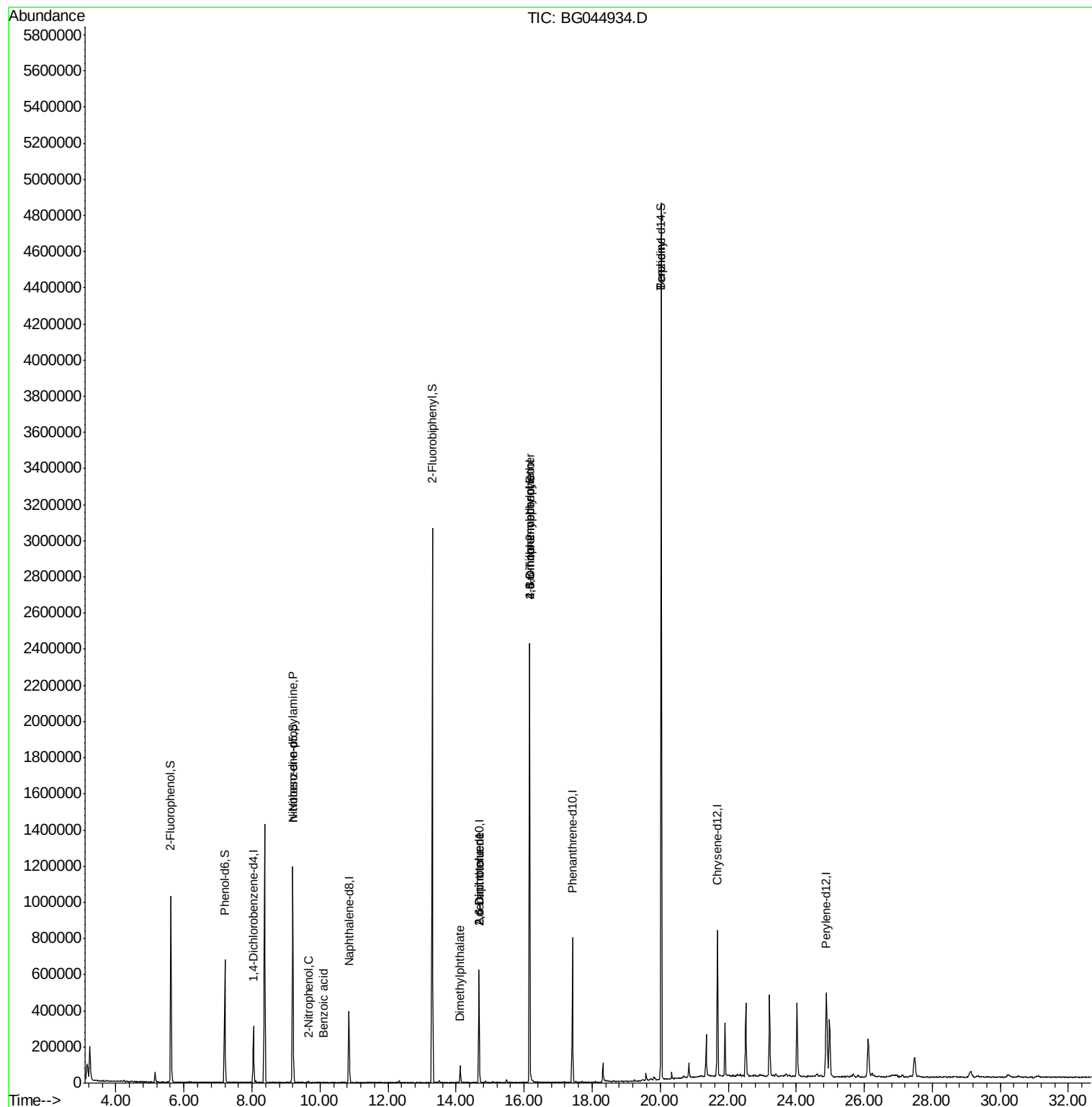
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	90755	20.00	ng	-0.01
21) Naphthalene-d8	10.85	136	346147	20.00	ng	-0.01
39) Acenaphthene-d10	14.67	164	228705	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	506809	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	497644	20.00	ng	-0.02
87) Perylene-d12	24.89	264	525330	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	460624	79.01	ng	0.00
7) Phenol-d6	7.20	99	427545	50.47	ng	0.00
23) Nitrobenzene-d5	9.20	82	754683	95.67	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	478269	159.71	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	1580550	98.97	ng	0.00
79) Terphenyl-d14	20.03	244	2297044	86.34	ng	0.00
Target Compounds						
9) Benzaldehyde	7.19	77	1151	Below Cal	#	6
19) n-Nitroso-di-n-propylamine	9.20	70	98949	16.54	ng	# 76
26) 2-Nitrophenol	9.69	139	54	5.53	ng	# 28
32) Benzoic acid	10.10	122	57	9.68	ng	# 1
50) Dimethylphthalate	14.12	163	62167	3.41	ng	# 96
51) 2,6-Dinitrotoluene	14.67	165	29290	7.98	ng	# 23
57) 2,4-Dinitrotoluene	14.67	165	29290	5.82	ng	# 24
65) 4,6-Dinitro-2-methylphenol	16.15	198	1851	8.38	ng	# 1
67) 4-Bromophenyl-phenylether	16.16	248	31415	4.96	ng	# 1
77) Benzidine	20.03	184	46787	2.90	ng	# 81

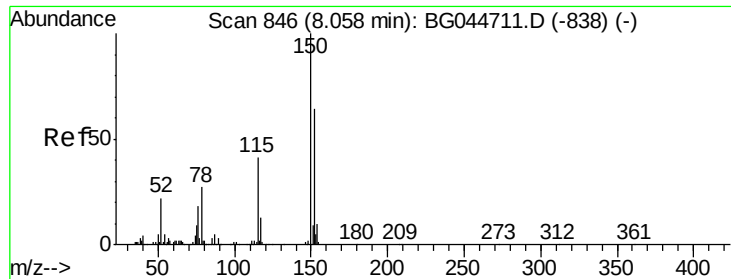
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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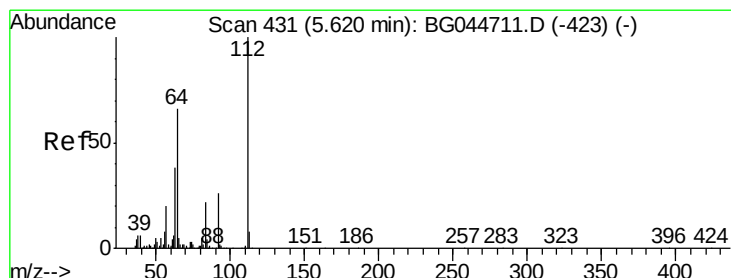
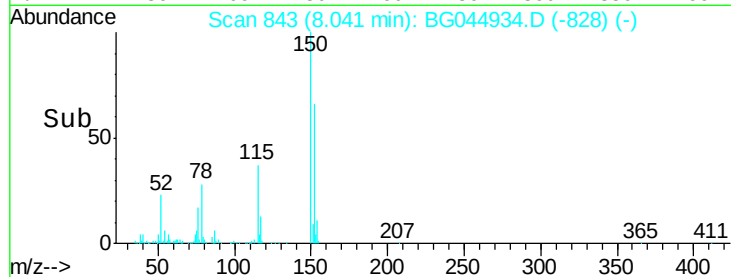
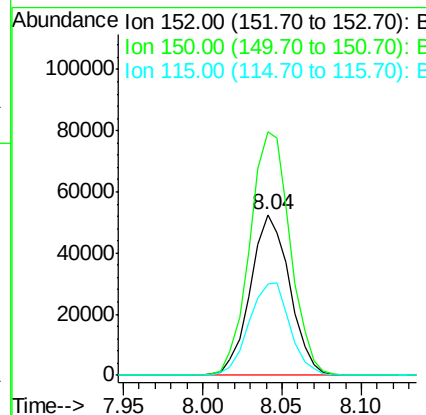
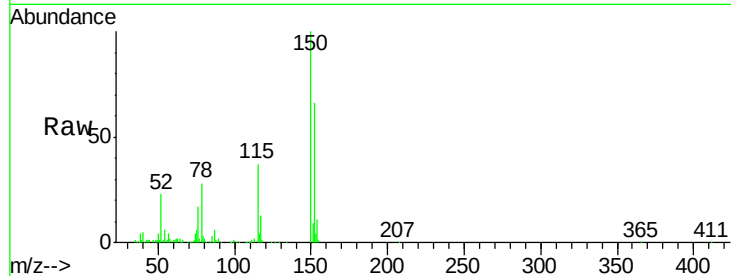


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.01 min
Lab File: BG044934.D
Acq: 24 Mar 2020 17:28

Instrument :
BNA_G
ClientSampleId :
MW-A

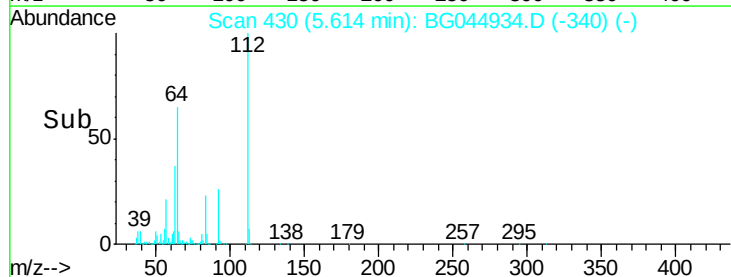
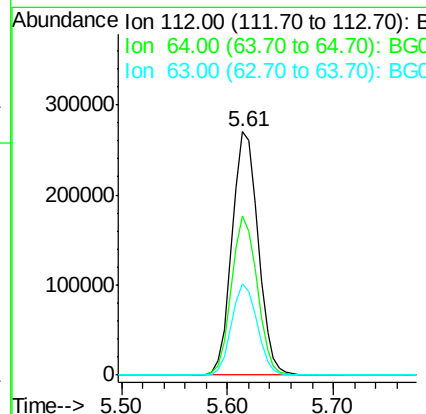
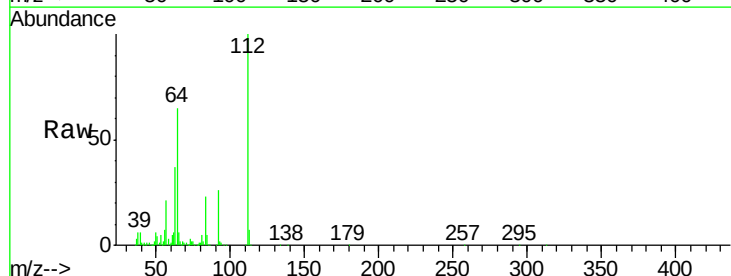
Tgt Ion:152 Resp: 90755
Ion Ratio Lower Upper
152 100
150 151.4 128.8 193.2
115 56.6 52.6 79.0

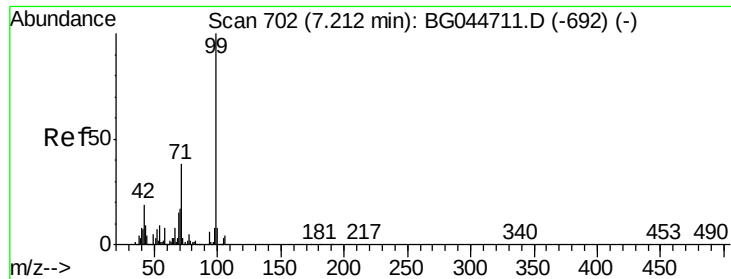


#5

2-Fluorophenol
Concen: 79.01 ng
RT: 5.61 min Scan# 430
Delta R.T. 0.00 min
Lab File: BG044934.D
Acq: 24 Mar 2020 17:28

Tgt Ion:112 Resp: 460624
Ion Ratio Lower Upper
112 100
64 65.2 53.4 80.2
63 37.3 29.4 44.2





#7

Phenol-d6

Concen: 50.47 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG044934.D

Acq: 24 Mar 2020 17:28

Instrument :

BNA_G

ClientSampleId :

MW-A

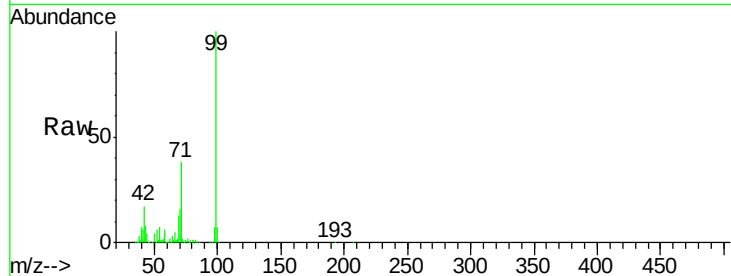
Tgt Ion: 99 Resp: 427545

Ion Ratio Lower Upper

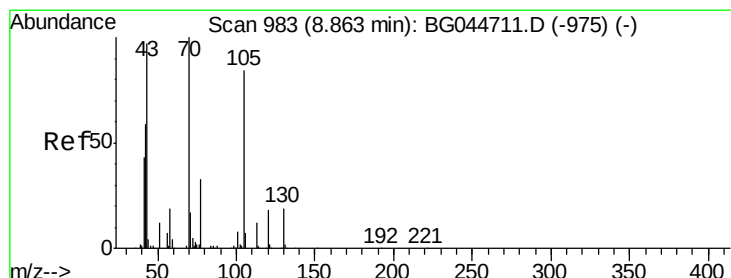
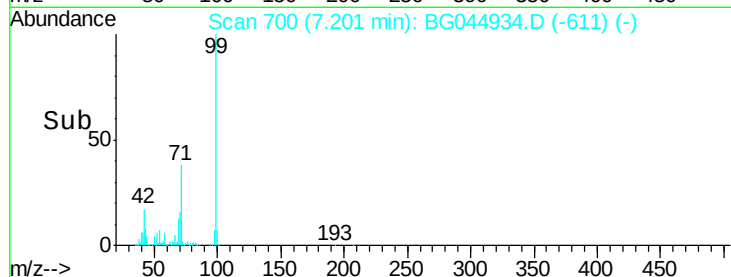
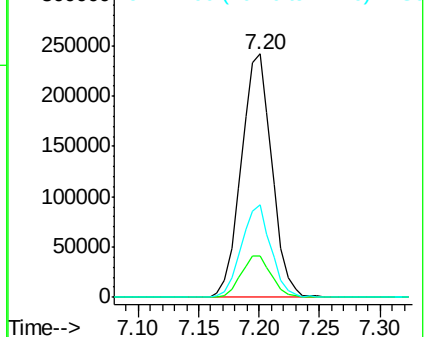
99 100

42 17.1 12.6 19.0

71 37.9 29.0 43.4



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: 16.54 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG044934.D

Acq: 24 Mar 2020 17:28

Tgt Ion: 70 Resp: 98949

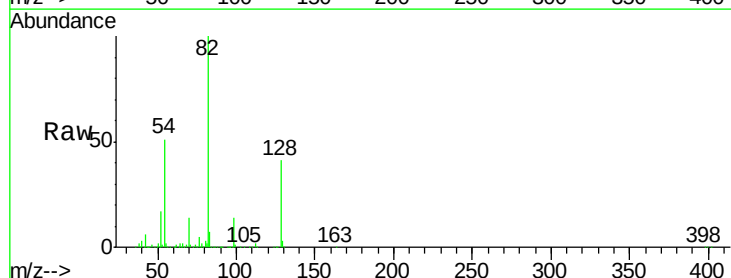
Ion Ratio Lower Upper

70 100

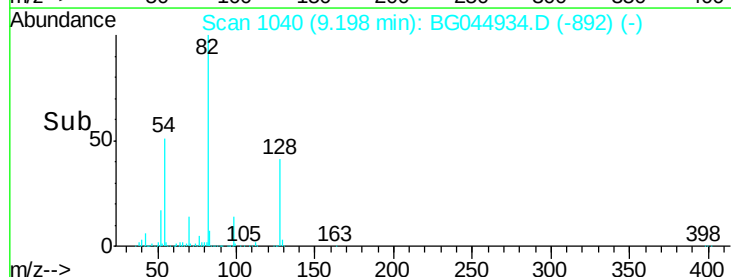
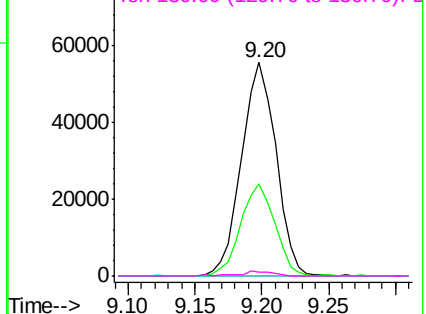
42 43.3 45.7 68.5#

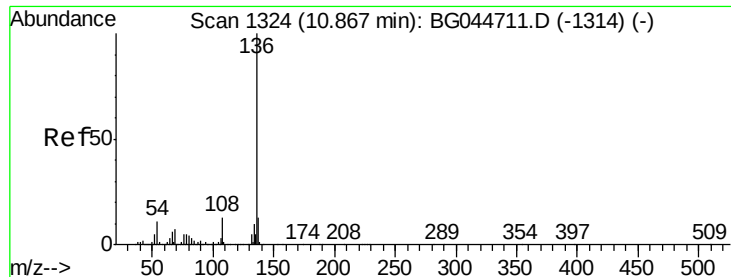
101 0.0 7.4 11.2#

130 2.0 15.9 23.9#



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

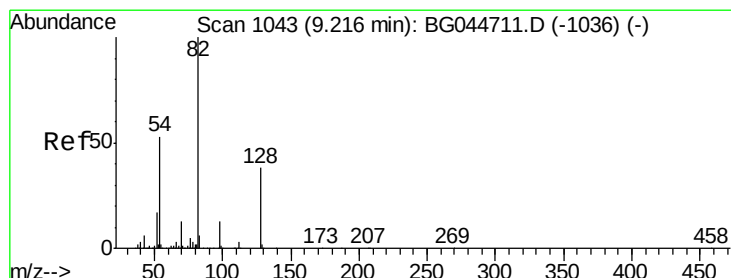
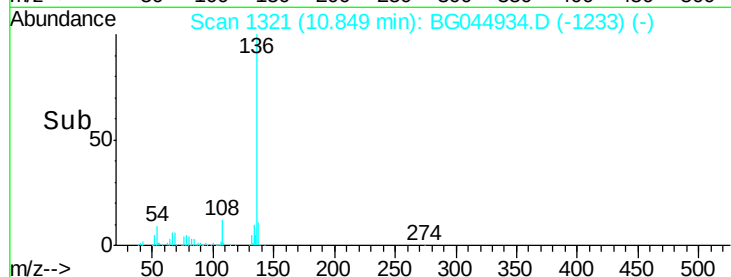
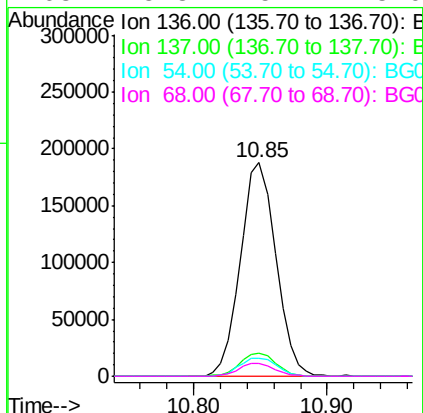
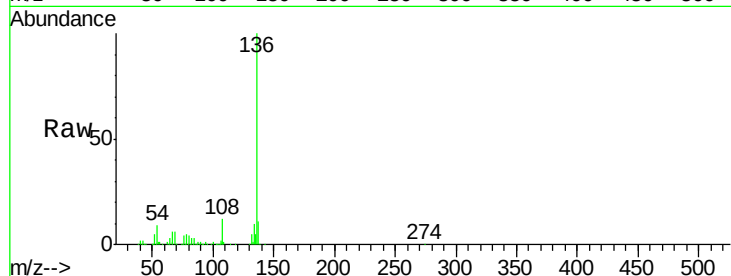




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG044934.D
Acq: 24 Mar 2020 17:28

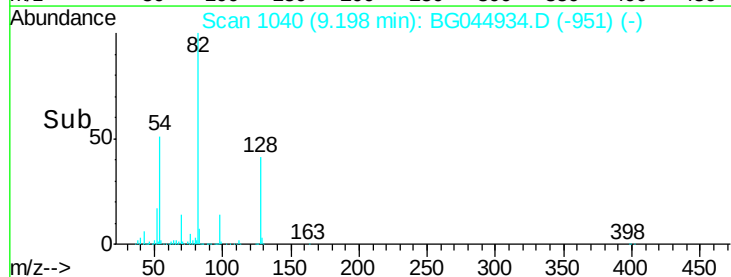
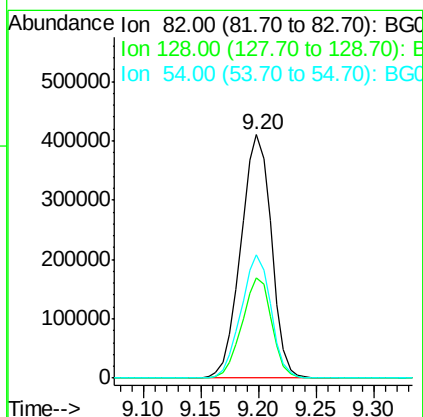
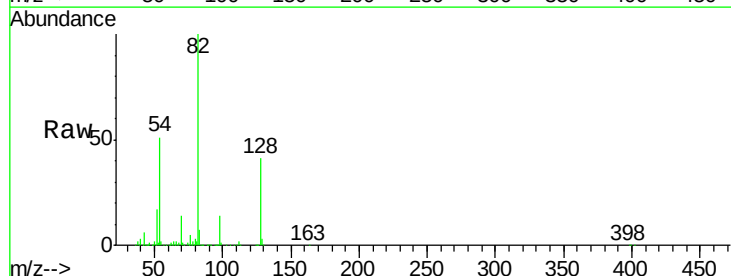
Instrument :
BNA_G
ClientSampleId :
MW-A

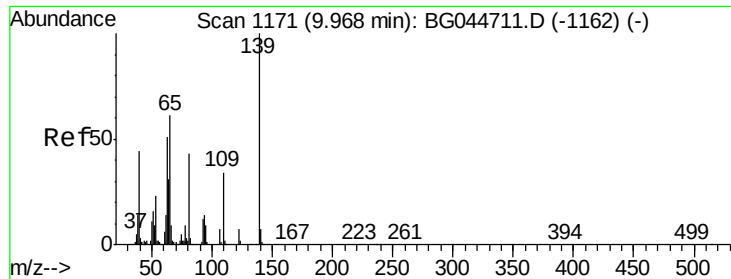
Tgt Ion:	136	Resp:	346147
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.8	14.6
54	8.6	7.9	11.9
68	5.8	5.4	8.0



#23
Nitrobenzene-d5
Concen: 95.67 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BG044934.D
Acq: 24 Mar 2020 17:28

Tgt Ion:	82	Resp:	754683
Ion	Ratio	Lower	Upper
82	100		
128	41.4	30.6	46.0
54	50.7	37.1	55.7

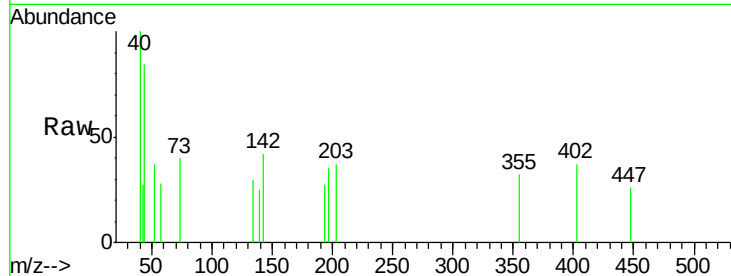




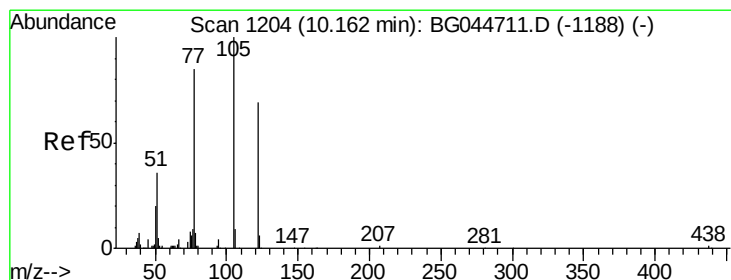
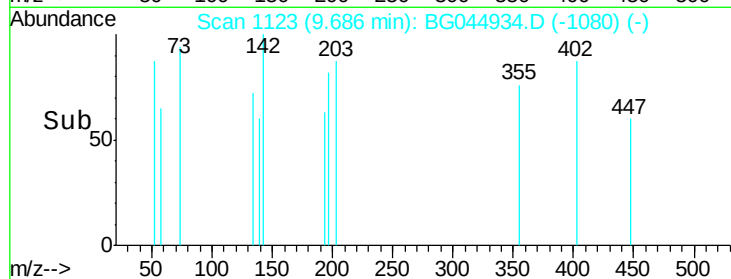
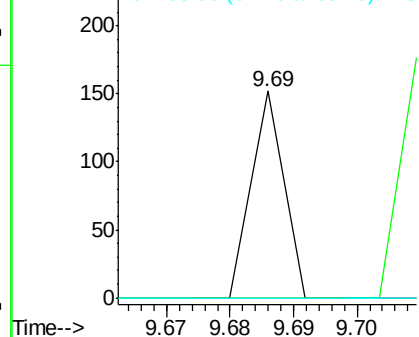
#26
2-Nitrophenol
Concen: 5.53 ng
RT: 9.69 min Scan# 1123
Delta R.T. -0.28 min
Lab File: BG044934.D
Acq: 24 Mar 2020 17:28

Instrument :
BNA_G
ClientSampleId :
MW-A

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	30.2	45.4#
65	0.0	46.3	69.5#

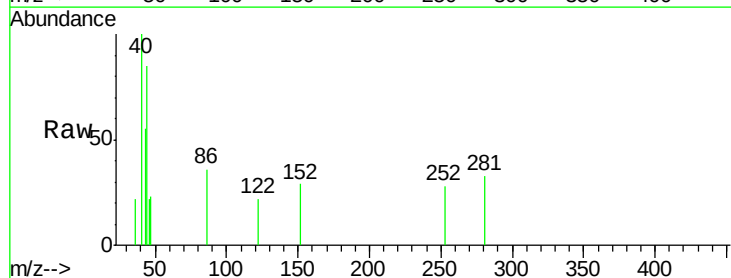


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

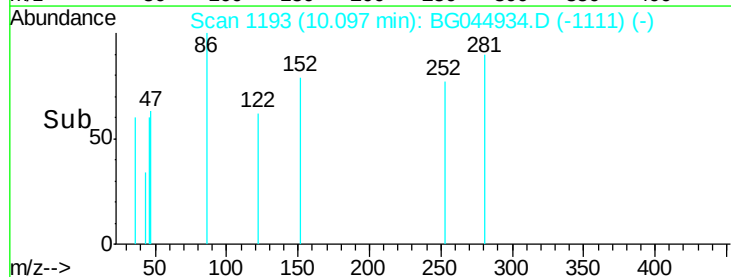
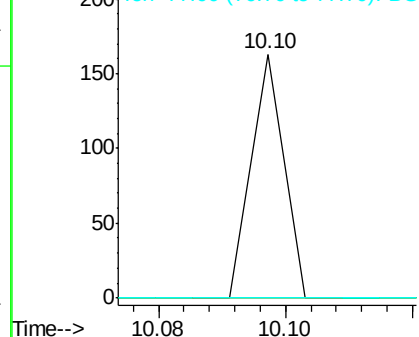


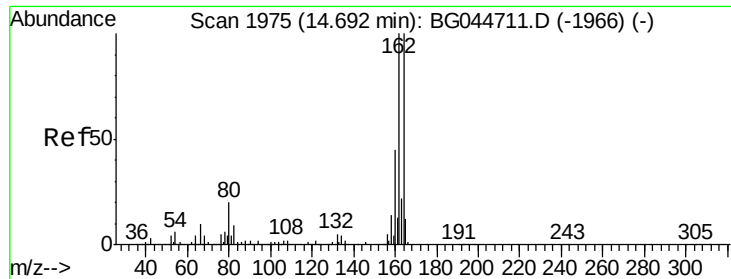
#32
Benzoic acid
Concen: 9.68 ng
RT: 10.10 min Scan# 1193
Delta R.T. -0.05 min
Lab File: BG044934.D
Acq: 24 Mar 2020 17:28

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	109.1	149.1#
77	0.0	85.3	125.3#



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





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.01 min

Lab File: BG044934.D

Acq: 24 Mar 2020 17:28

Instrument :

BNA_G

ClientSampleId :

MW-A

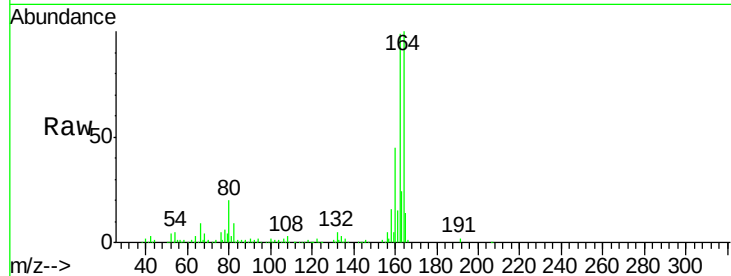
Tgt Ion:164 Resp: 228705

Ion Ratio Lower Upper

164 100

162 98.7 76.7 115.1

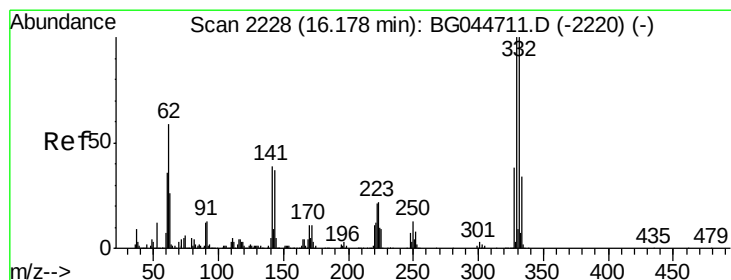
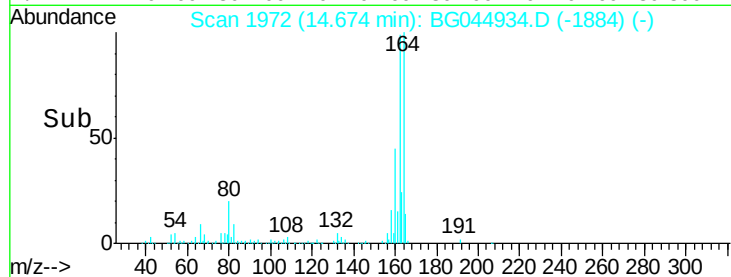
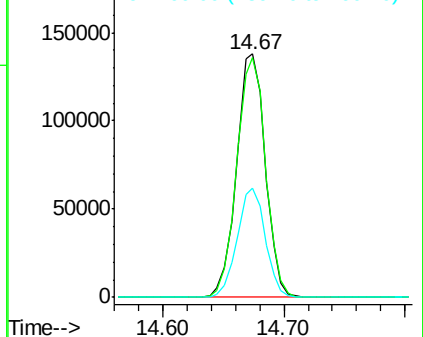
160 44.7 35.0 52.4



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: 159.71 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044934.D

Acq: 24 Mar 2020 17:28

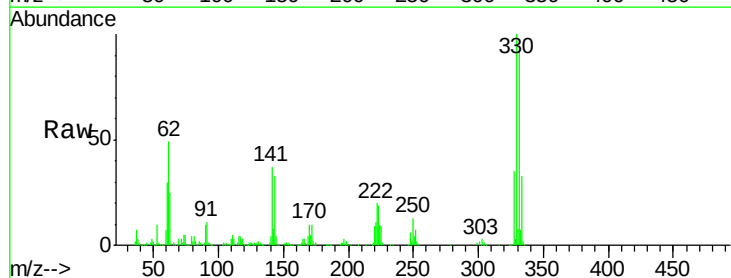
Tgt Ion:330 Resp: 478269

Ion Ratio Lower Upper

330 100

332 97.8 77.8 116.6

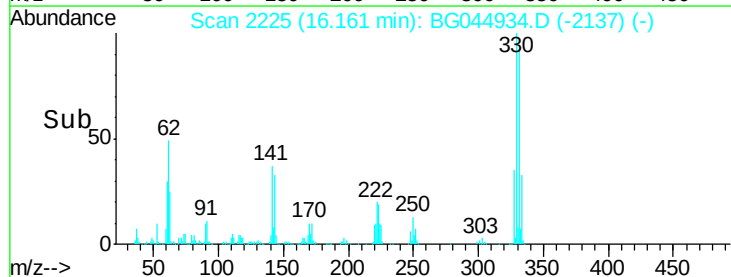
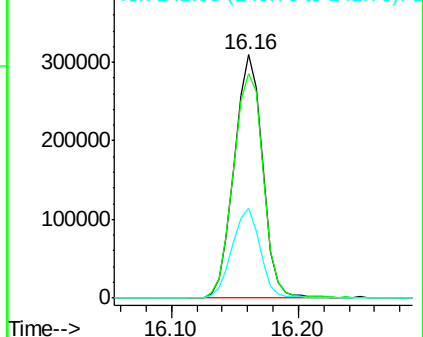
141 36.6 29.5 44.3

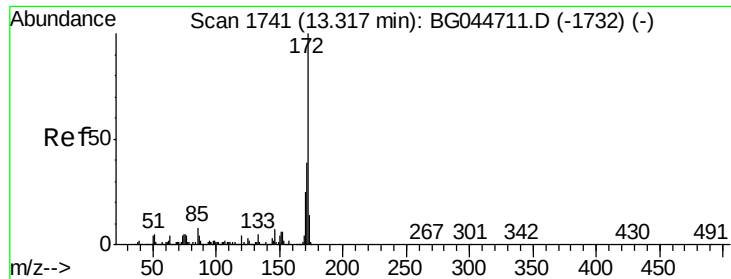


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 98.97 ng

RT: 13.30 min Scan# 1738

Delta R.T. -0.01 min

Lab File: BG044934.D

Acq: 24 Mar 2020 17:28

Instrument :

BNA_G

ClientSampleId :

MW-A

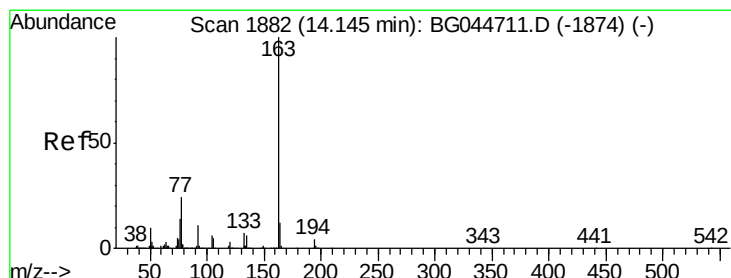
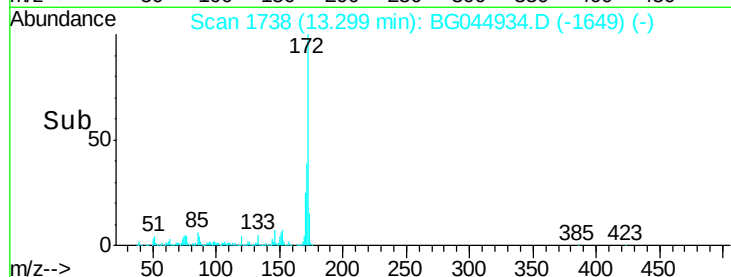
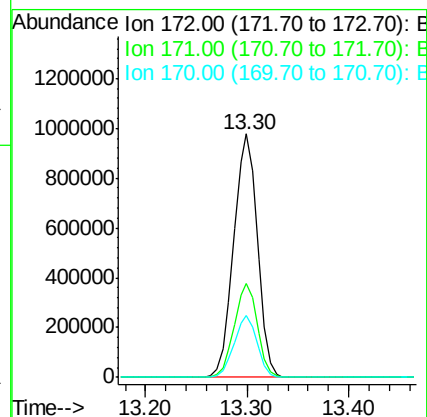
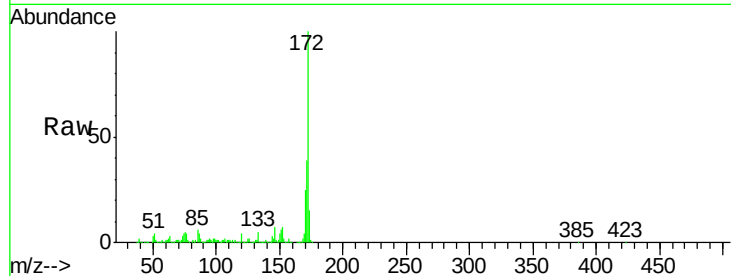
Tgt Ion:172 Resp: 1580550

Ion Ratio Lower Upper

172 100

171 38.7 28.7 43.1

170 25.4 19.0 28.6



#50

Dimethylphthalate

Concen: 3.41 ng

RT: 14.12 min Scan# 1878

Delta R.T. -0.01 min

Lab File: BG044934.D

Acq: 24 Mar 2020 17:28

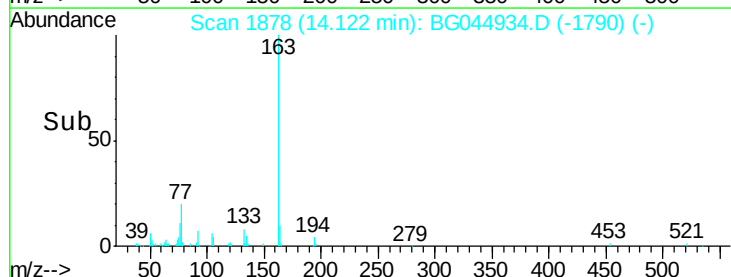
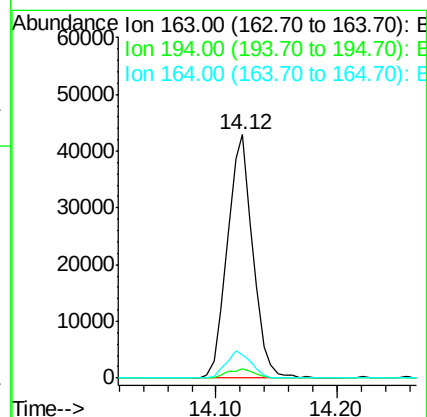
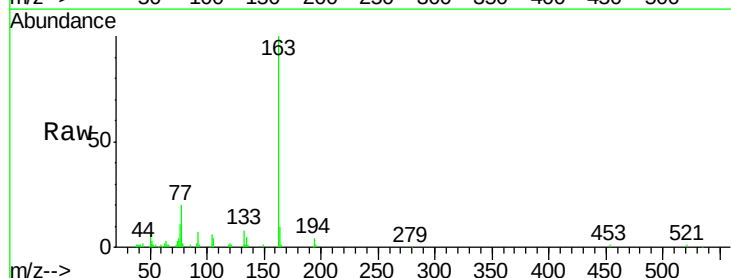
Tgt Ion:163 Resp: 62167

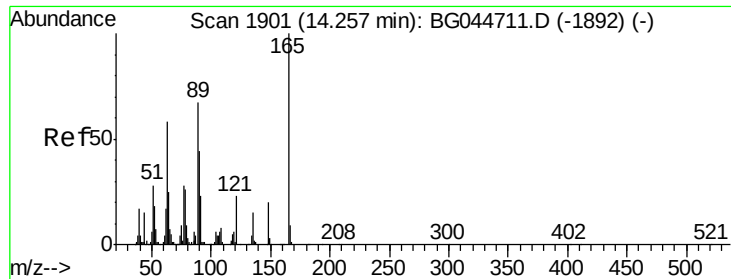
Ion Ratio Lower Upper

163 100

194 3.6 3.7 5.5#

164 9.6 9.1 13.7





#51

2,6-Dinitrotoluene

Concen: 7.98 ng

RT: 14.67 min Scan# 1972

Delta R.T. 0.43 min

Lab File: BG044934.D

Acq: 24 Mar 2020 17:28

Instrument :

BNA_G

ClientSampleId :

MW-A

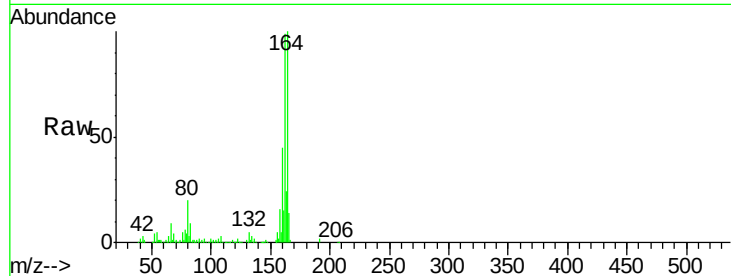
Tgt Ion:165 Resp: 29290

Ion Ratio Lower Upper

165 100

63 1.7 45.8 68.8#

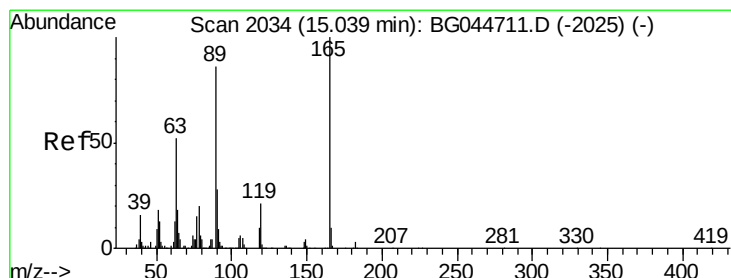
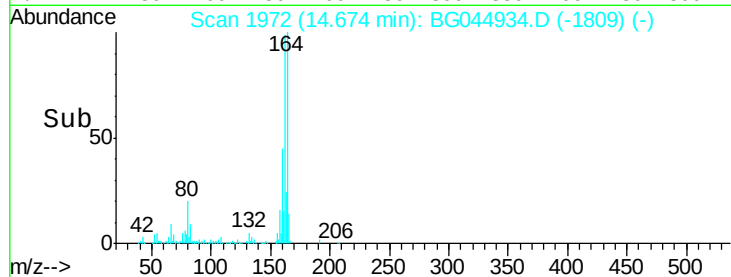
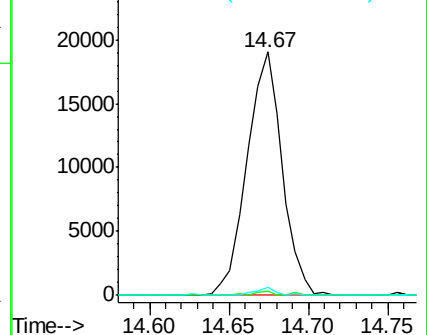
89 3.2 51.8 77.6#



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



#57

2,4-Dinitrotoluene

Concen: 5.82 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.36 min

Lab File: BG044934.D

Acq: 24 Mar 2020 17:28

Tgt Ion:165 Resp: 29290

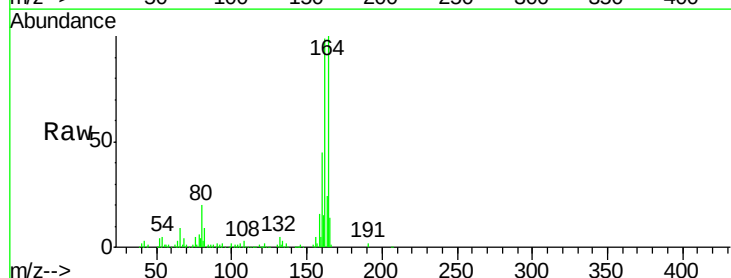
Ion Ratio Lower Upper

165 100

63 1.7 34.6 52.0#

89 3.2 61.3 91.9#

182 0.0 2.2 3.2#

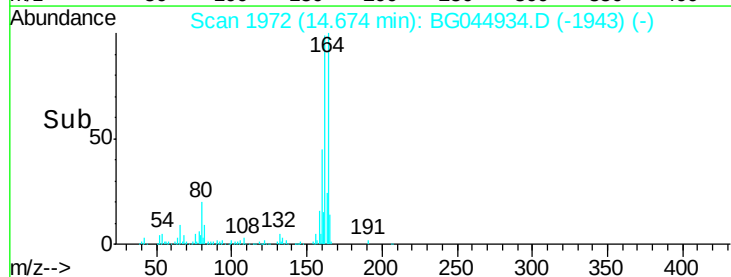
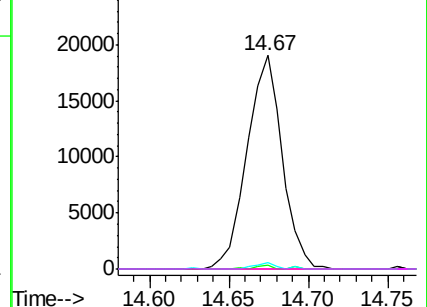


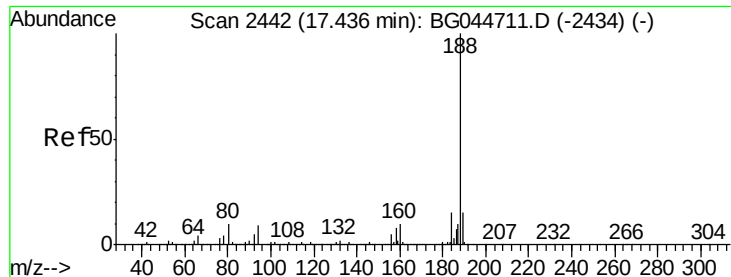
Abundance Ion 165.00 (164.70 to 165.70): E

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: 20.00 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.01 min

Lab File: BG044934.D

Acq: 24 Mar 2020 17:28

Instrument :

BNA_G

ClientSampleId :

MW-A

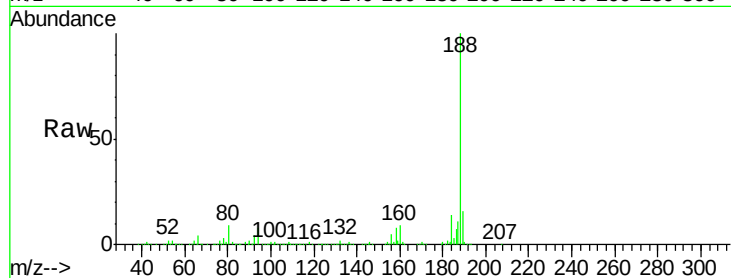
Tgt Ion:188 Resp: 506809

Ion Ratio Lower Upper

188 100

94 8.1 7.3 10.9

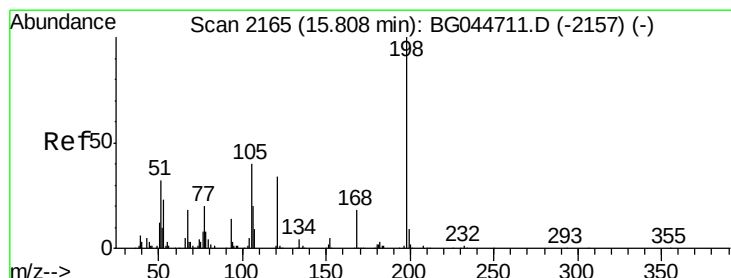
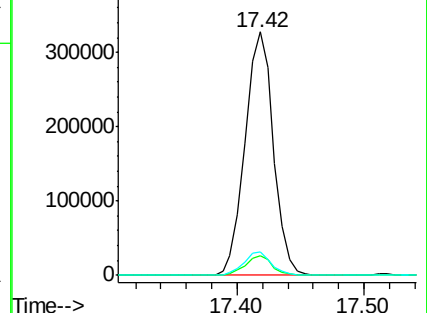
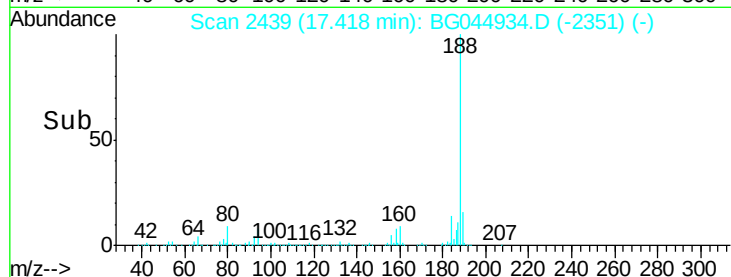
80 9.5 8.0 12.0



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: 8.38 ng

RT: 16.15 min Scan# 2224

Delta R.T. 0.36 min

Lab File: BG044934.D

Acq: 24 Mar 2020 17:28

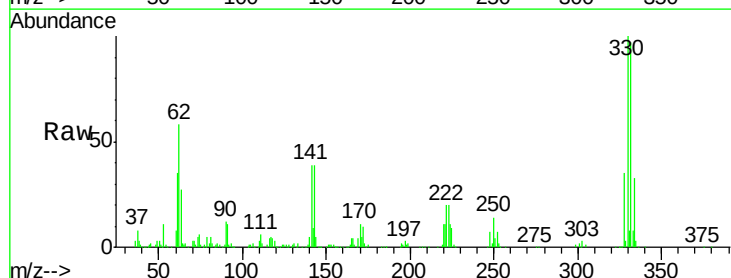
Tgt Ion:198 Resp: 1851

Ion Ratio Lower Upper

198 100

51 109.1 21.1 61.1#

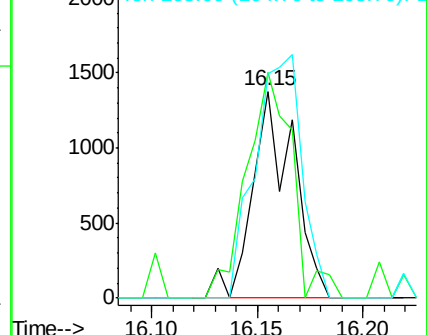
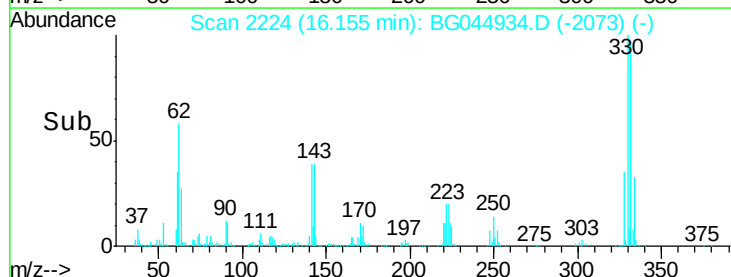
105 108.4 24.5 64.5#

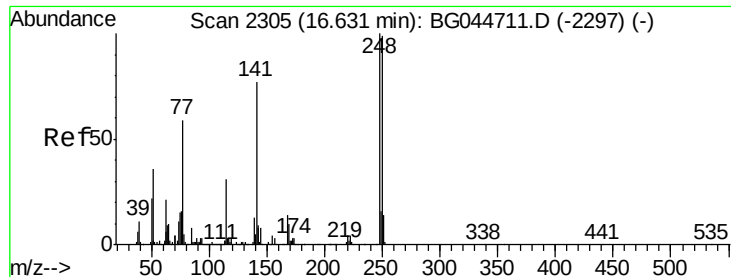


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

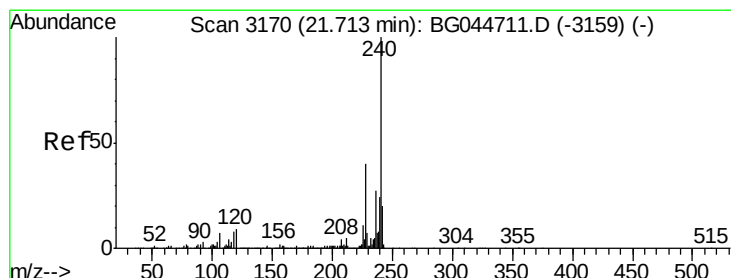
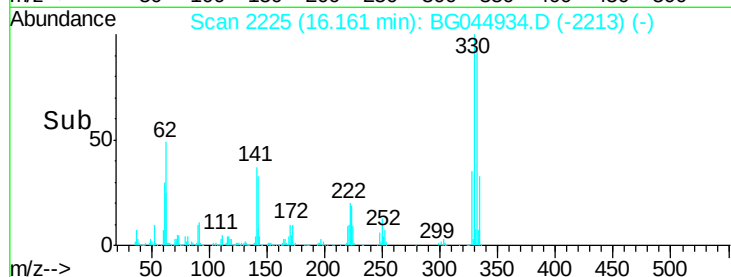
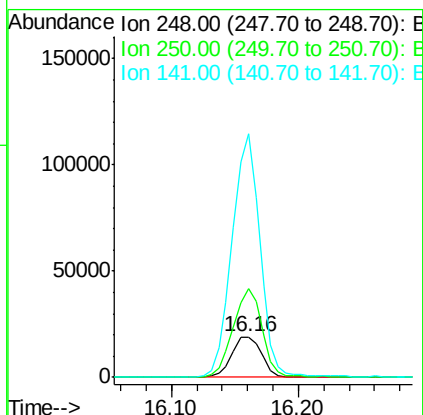
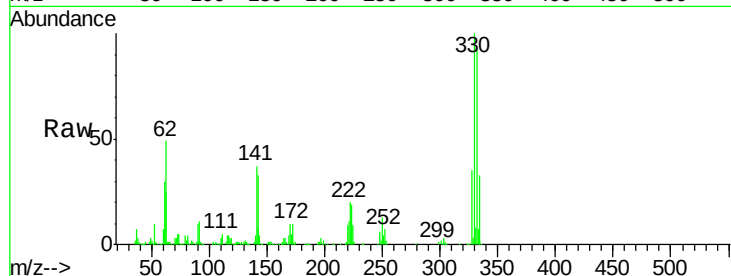




#67
 4-Bromophenyl-phenylether
 Concen: 4.96 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.46 min
 Lab File: BG044934.D
 Acq: 24 Mar 2020 17:28

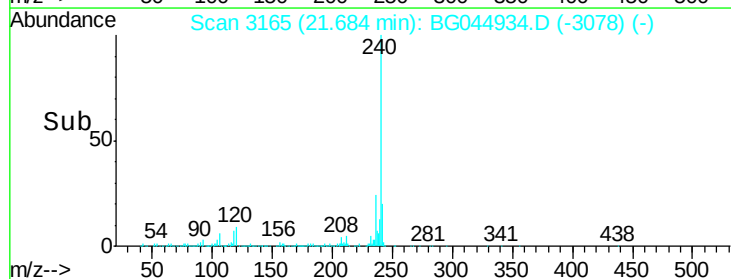
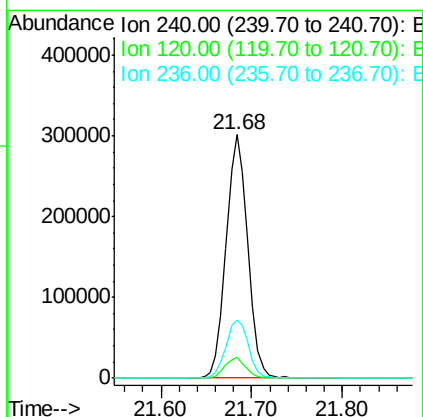
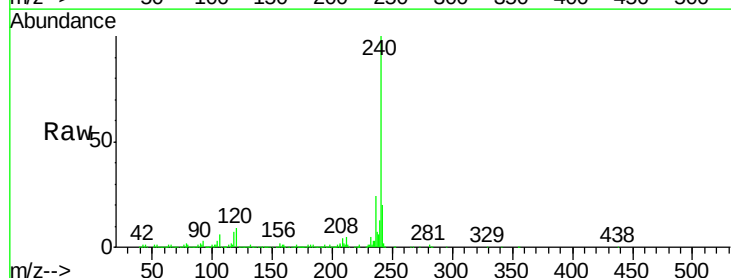
Instrument :
 BNA_G
 ClientSampleId :
 MW-A

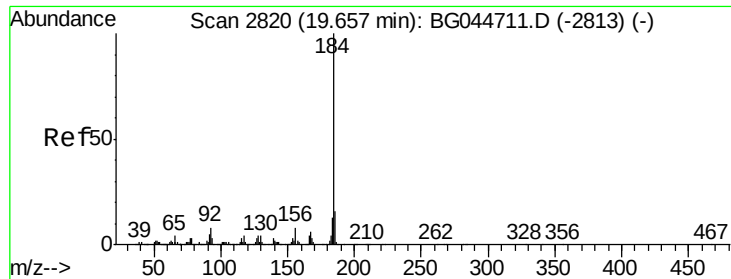
Tgt Ion:248 Resp: 31415
 Ion Ratio Lower Upper
 248 100
 250 219.3 77.9 116.9#
 141 601.9 57.5 86.3#



#76
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.68 min Scan# 3165
 Delta R.T. -0.02 min
 Lab File: BG044934.D
 Acq: 24 Mar 2020 17:28

Tgt Ion:240 Resp: 497644
 Ion Ratio Lower Upper
 240 100
 120 8.6 6.7 10.1
 236 24.0 21.5 32.3





#77

Benzidine

Concen: 2.90 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.38 min

Lab File: BG044934.D

Acq: 24 Mar 2020 17:28

Instrument :

BNA_G

ClientSampleId :

MW-A

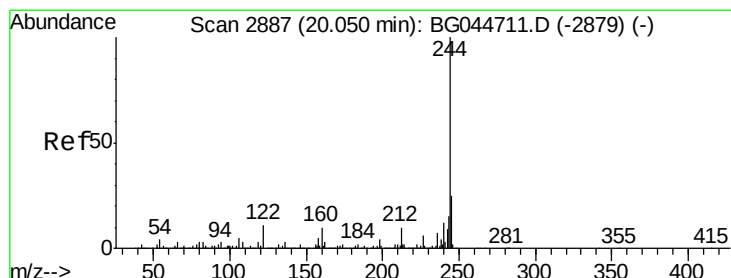
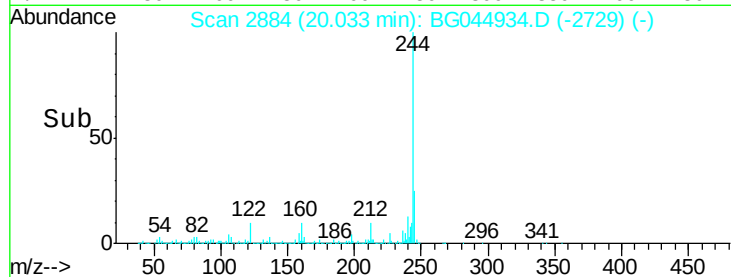
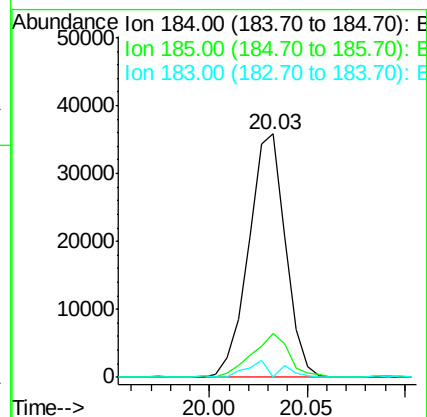
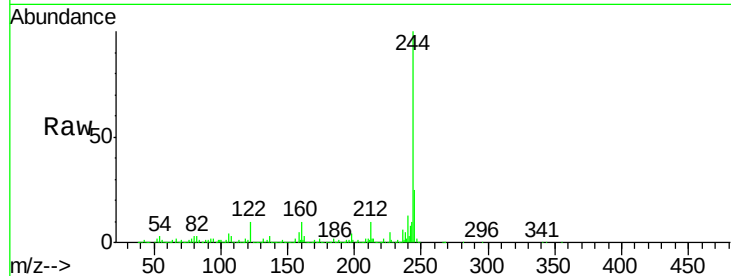
Tgt Ion:184 Resp: 46787

Ion Ratio Lower Upper

184 100

185 17.8 12.2 18.4

183 0.0 10.7 16.1#



#79

Terphenyl-d14

Concen: 86.34 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG044934.D

Acq: 24 Mar 2020 17:28

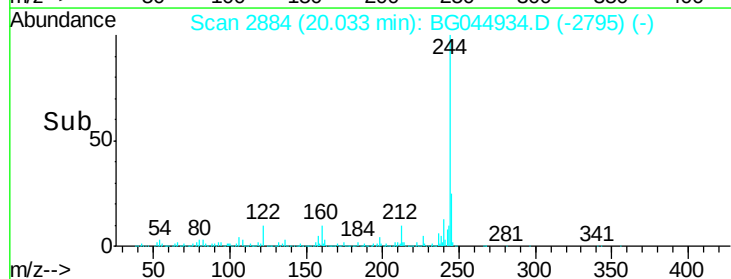
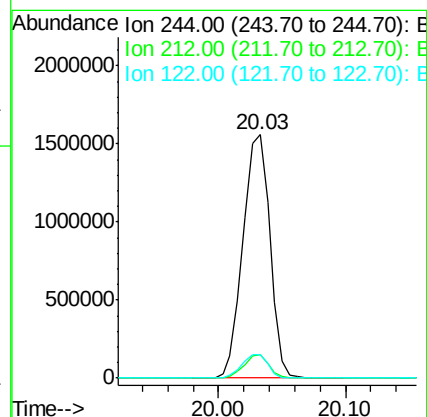
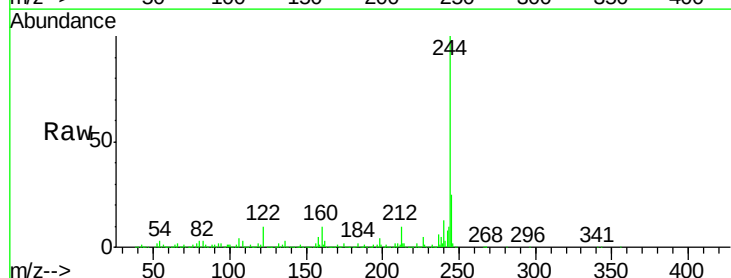
Tgt Ion:244 Resp: 2297044

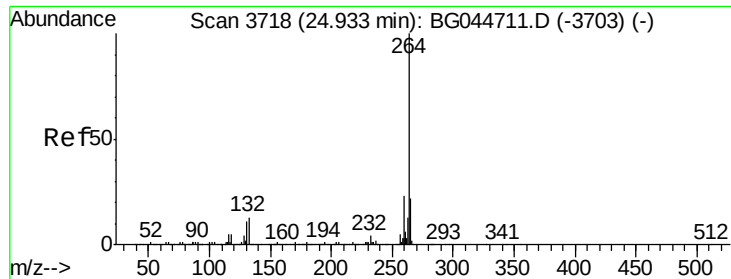
Ion Ratio Lower Upper

244 100

212 9.8 7.7 11.5

122 9.8 8.6 12.8

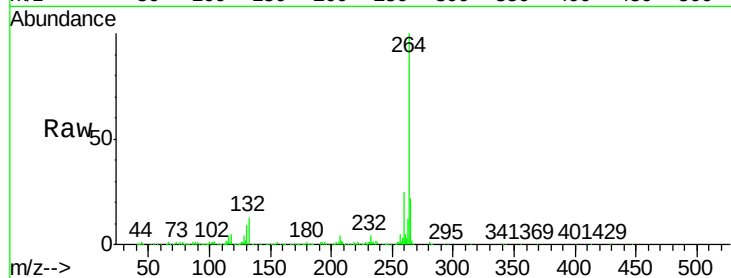




#87
Perylene-d12
Concen: 20.00 ng
RT: 24.89 min Scan# 3710
Delta R.T. -0.02 min
Lab File: BG044934.D
Acq: 24 Mar 2020 17:28

Instrument :
BNA_G
ClientSampleId :
MW-A

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.4	18.1	27.1
265	22.3	17.1	25.7



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

