

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031720\
 Data File : BG044839.D
 Acq On : 17 Mar 2020 19:11
 Operator : CG/JU
 Sample : PB127544BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 18 11:45:21 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 16 17:37:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	83872	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	311901	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	205520	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	514916	20.00	ng	0.00
76) Chrysene-d12	21.69	240	472608	20.00	ng	-0.01
87) Perylene-d12	24.90	264	527949	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	634795	117.82	ng	0.00
7) Phenol-d6	7.20	99	862608	110.19	ng	0.00
23) Nitrobenzene-d5	9.20	82	568665	80.01	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	376322	139.85	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	1184591	82.54	ng	0.00
79) Terphenyl-d14	20.04	244	2071795	82.00	ng	0.00

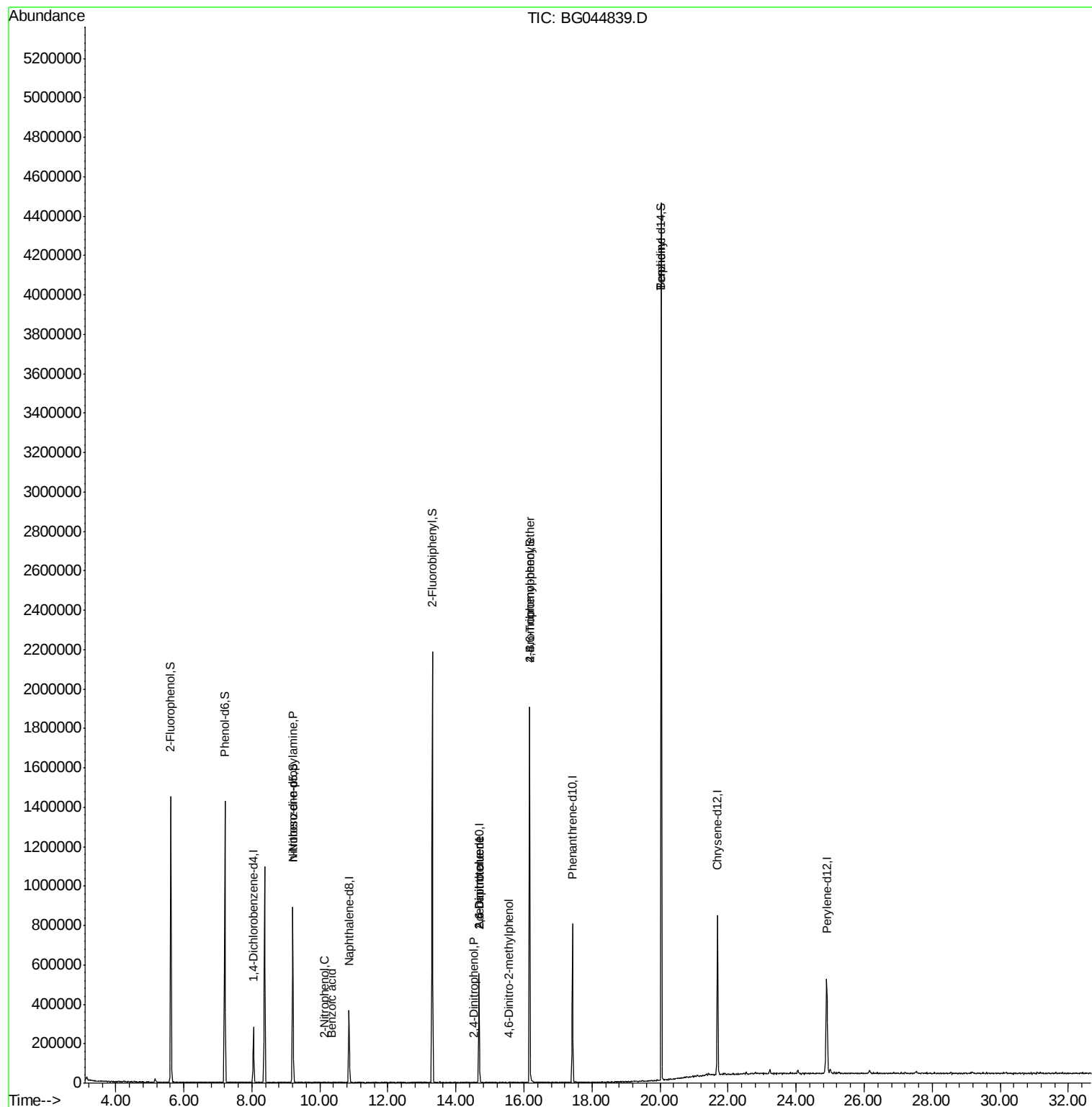
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.20	77	1631	Below Cal		# 6
19) n-Nitroso-di-n-propylamine	9.20	70	73056	13.217	ng	# 79
26) 2-Nitrophenol	10.14	139	61	5.536	ng	# 28
32) Benzoic acid	10.34	122	57	9.683	ng	# 1
51) 2,6-Dinitrotoluene	14.68	165	27549	8.350	ng	# 22
54) 2,4-Dinitrophenol	14.52	184	68	8.358	ng	# 21
57) 2,4-Dinitrotoluene	14.68	165	27549	6.088	ng	# 22
65) 4,6-Dinitro-2-methylphenol	15.56	198	62	7.750	ng	# 33
67) 4-Bromophenyl-phenylether	16.16	248	26236	4.076	ng	# 1
77) Benzidine	20.04	184	40397	2.633	ng	# 93

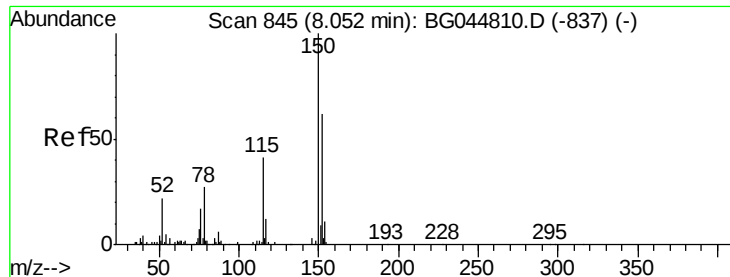
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031720\
Data File : BG044839.D
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Misc :
ALS Vial : 5 Sample Multiplier: 1

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Response via : Initial Calibration



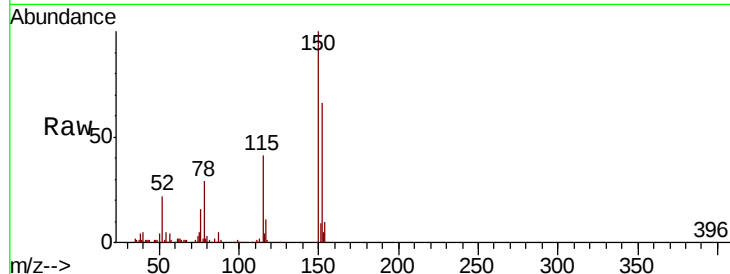


#1

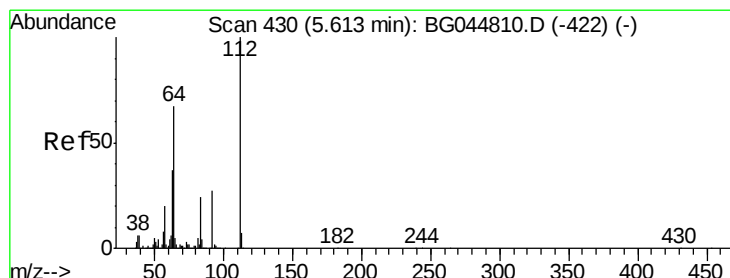
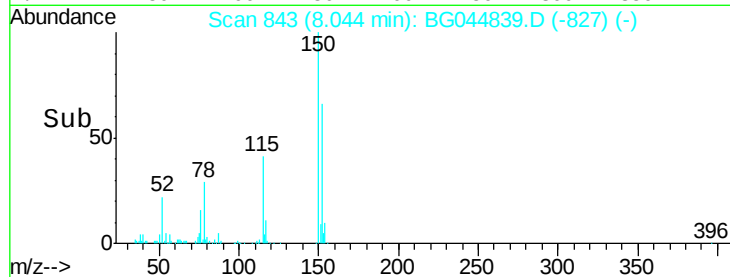
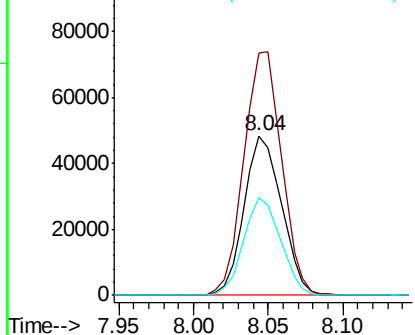
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.01 min
Lab File: BG044839.D
Acq: 17 Mar 2020 19:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.9	128.8	193.2
115	61.6	52.6	79.0



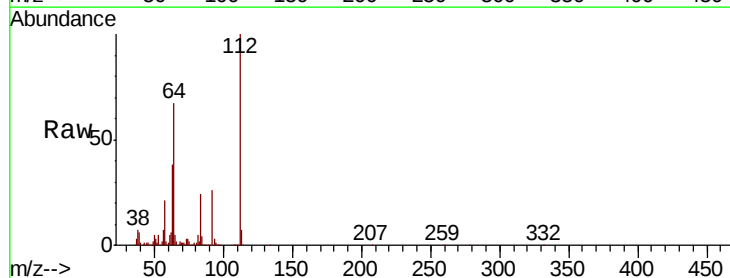
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



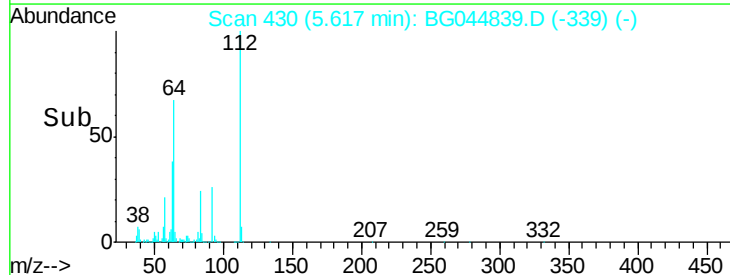
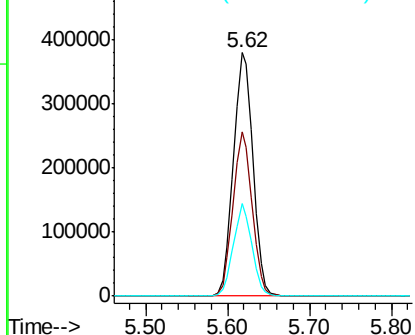
#5

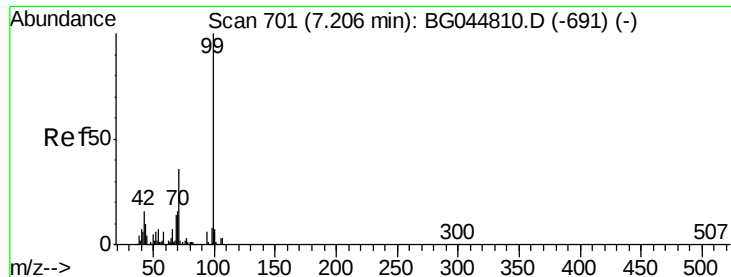
2-Fluorophenol
Concen: 117.820 ng
RT: 5.62 min Scan# 430
Delta R.T. 0.00 min
Lab File: BG044839.D
Acq: 17 Mar 2020 19:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.2	53.4	80.2
63	38.2	29.4	44.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 110.193 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044839.D

Acq: 17 Mar 2020 19:11

Instrument :

BNA_G

ClientSampleId :

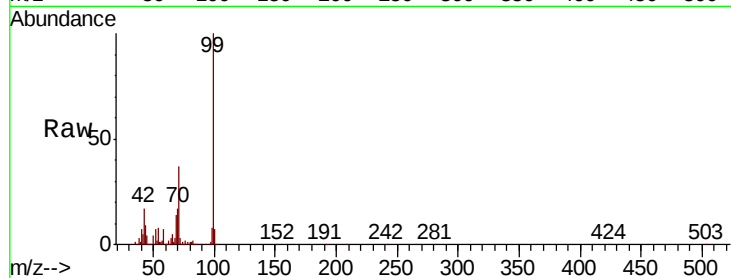
Tot Ion: 99 Resp: 862608

Ion Ratio Lower Upper

99 100

42 16.6 12.6 19.0

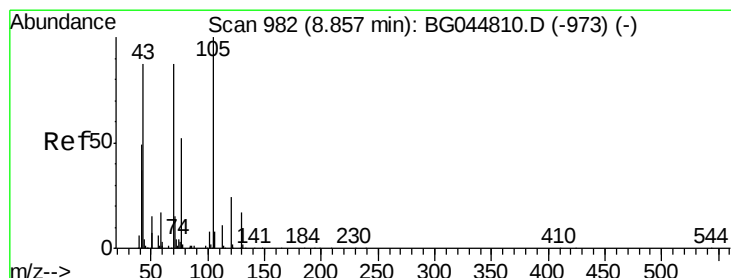
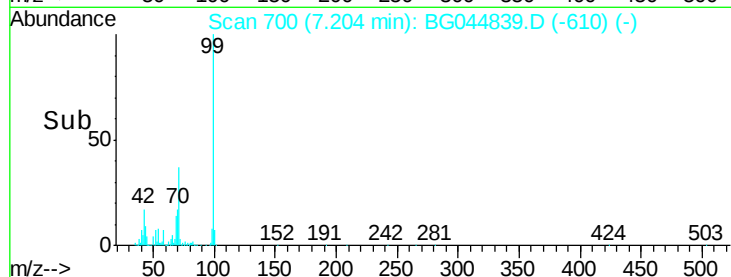
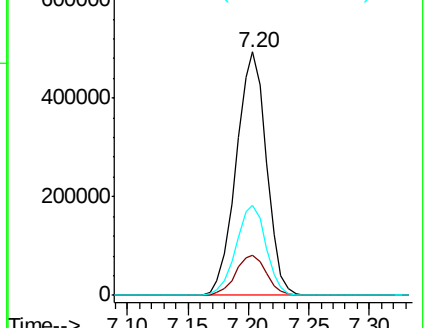
71 37.1 29.0 43.4



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: 13.217 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG044839.D

Acq: 17 Mar 2020 19:11

Tgt Ion: 70 Resp: 73056

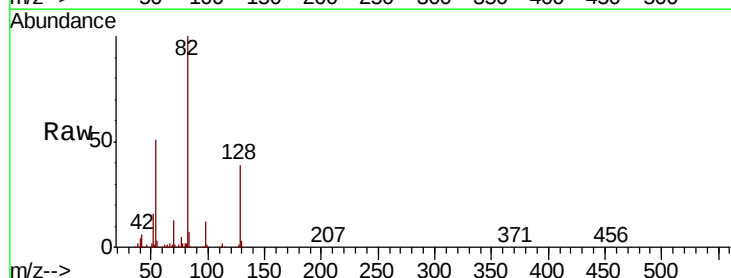
Ion Ratio Lower Upper

70 100

42 46.5 45.7 68.5

101 0.0 7.4 11.2#

130 1.6 15.9 23.9#

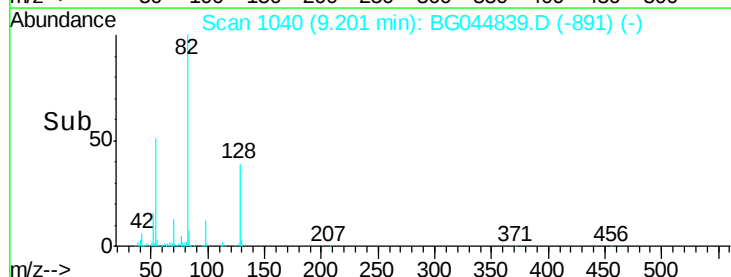
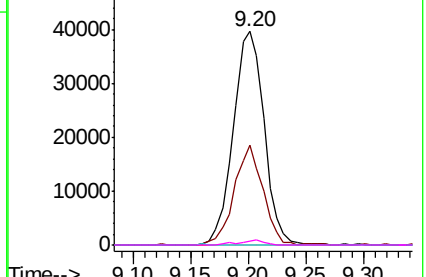


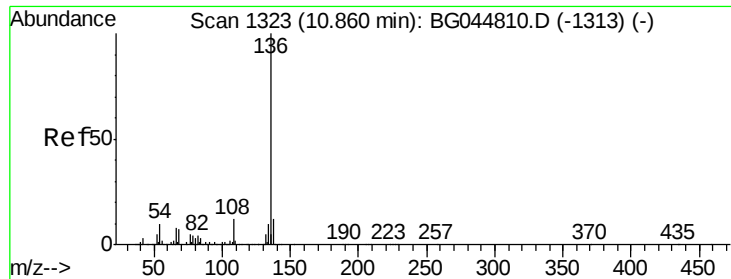
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

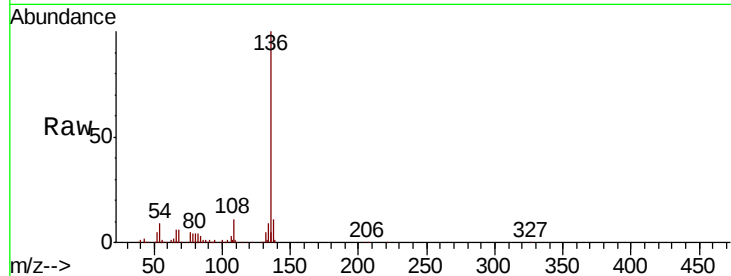




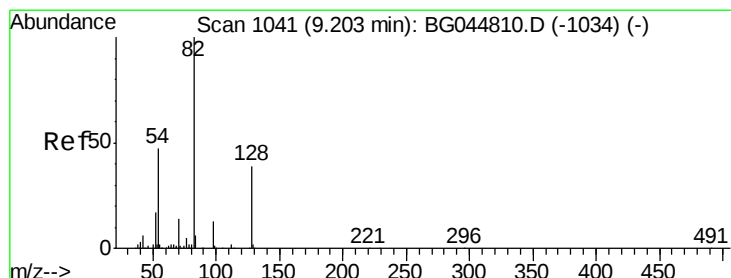
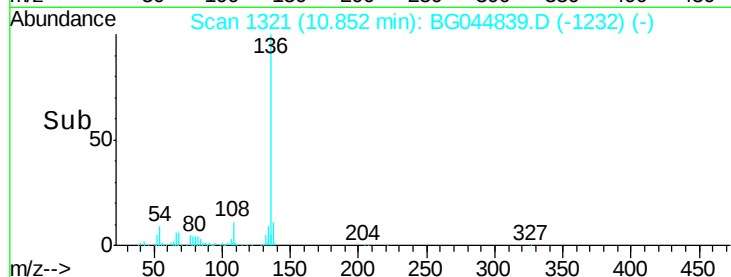
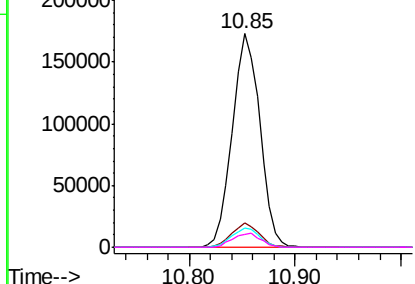
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG044839.D
Acq: 17 Mar 2020 19:11

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	311901
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.8 14.6
54	8.9	7.9 11.9
68	6.3	5.4 8.0

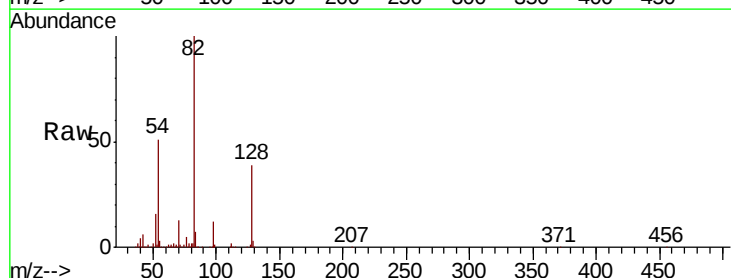


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

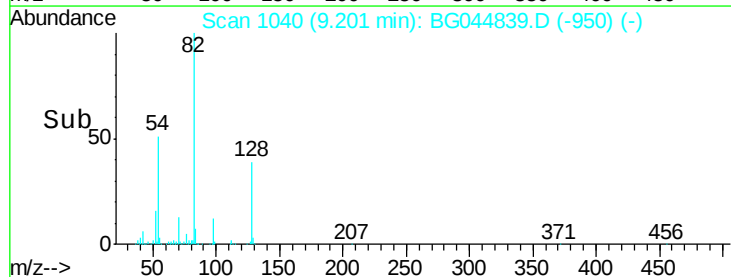
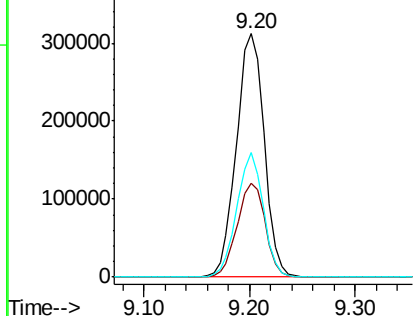


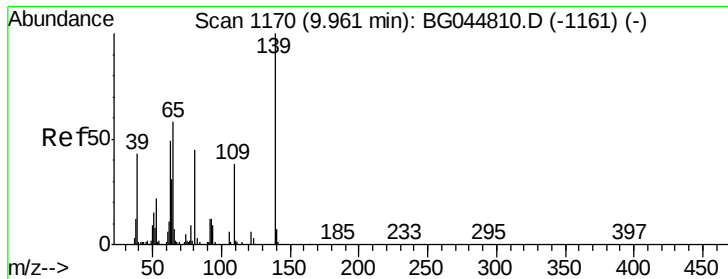
#23
Nitrobenzene-d5
Concen: 80.006 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BG044839.D
Acq: 17 Mar 2020 19:11

Tgt Ion: 82	Resp:	568665
Ion Ratio	Lower	Upper
82	100	
128	38.5	30.6 46.0
54	51.0	37.1 55.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC

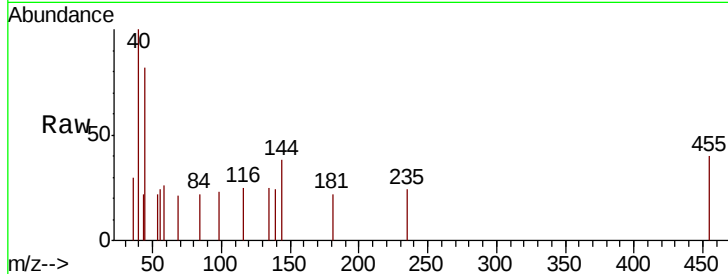




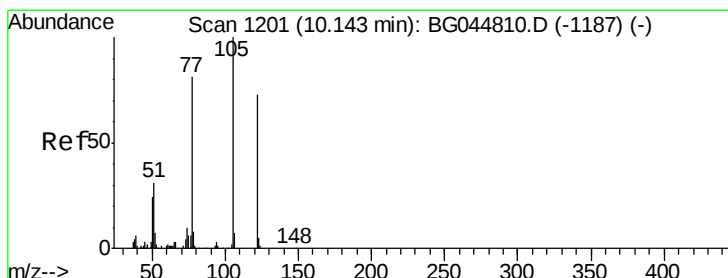
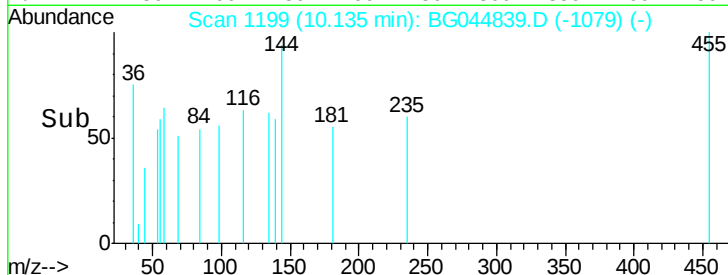
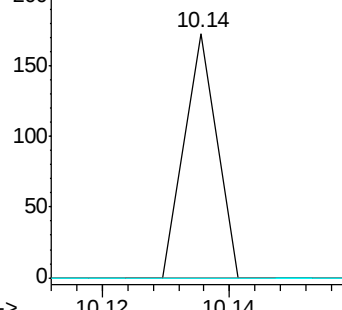
#26
2-Nitrophenol
Concen: 5.536 ng
RT: 10.14 min Scan# 1199
Delta R.T. 0.17 min
Lab File: BG044839.D
Acq: 17 Mar 2020 19:11

Instrument :
BNA_G
ClientSampled :

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

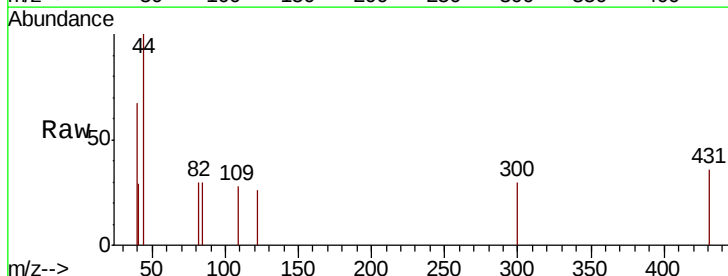


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

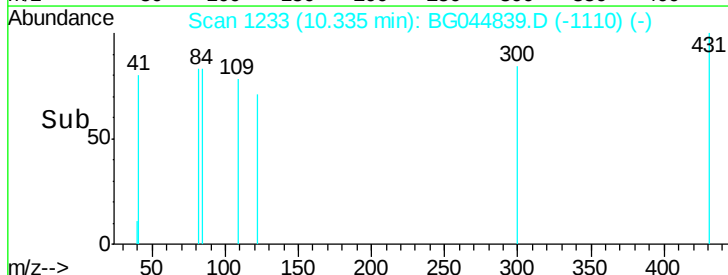
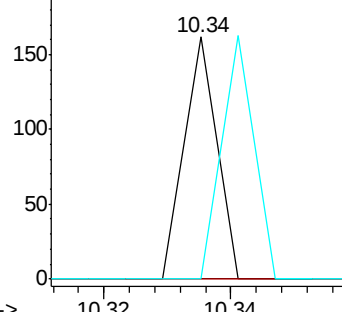


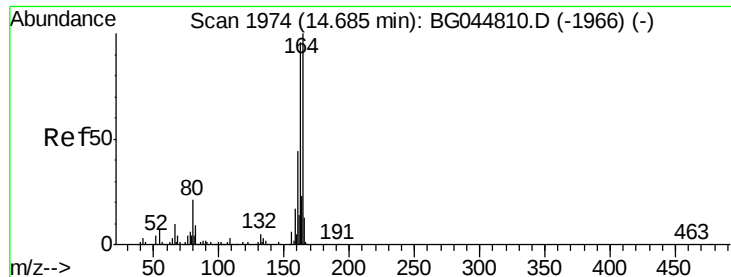
#32
Benzoic acid
Concen: 9.683 ng
RT: 10.34 min Scan# 1233
Delta R.T. 0.19 min
Lab File: BG044839.D
Acq: 17 Mar 2020 19:11

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: 20.000 ng

RT: 14.68 min Scan# 1972

Delta R.T. -0.01 min

Lab File: BG044839.D

Acq: 17 Mar 2020 19:11

Instrument :

BNA_G

ClientSampleId :

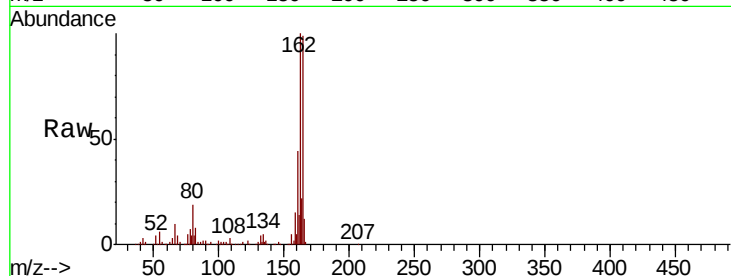
Tot Ion:164 Resp: 205520

Ion Ratio Lower Upper

164 100

162 100.7 76.7 115.1

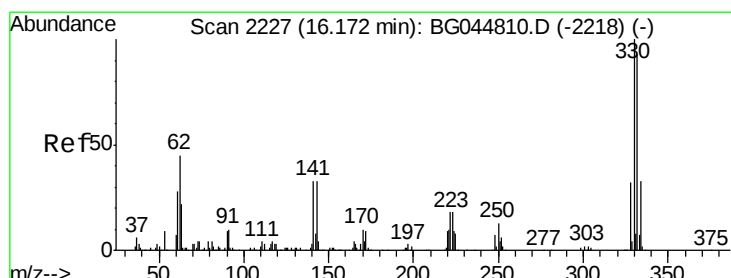
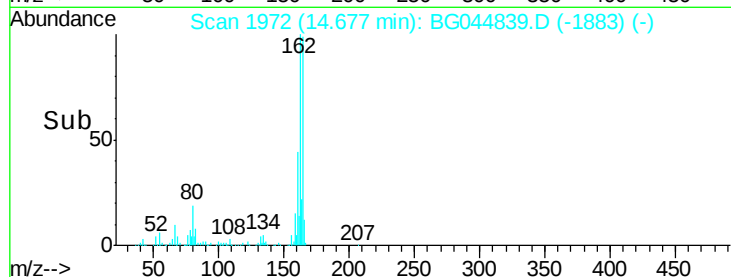
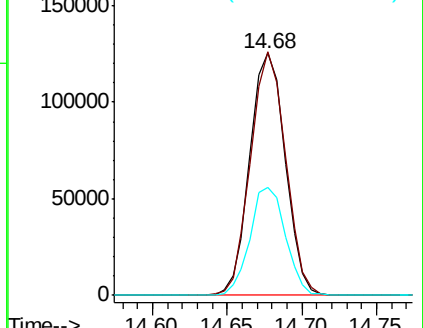
160 44.6 35.0 52.4



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: 139.846 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044839.D

Acq: 17 Mar 2020 19:11

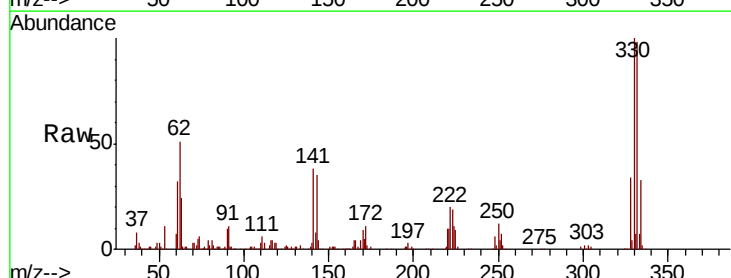
Tgt Ion:330 Resp: 376322

Ion Ratio Lower Upper

330 100

332 96.3 77.8 116.6

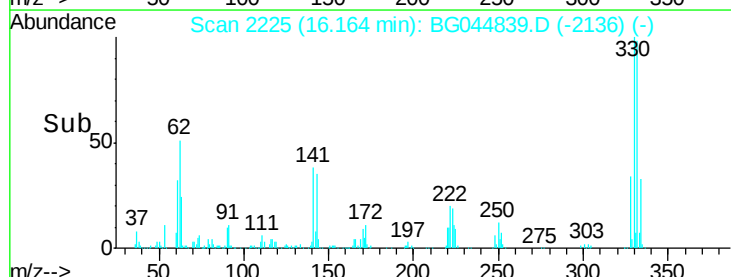
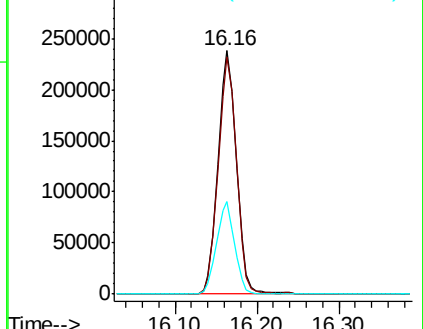
141 37.3 29.5 44.3

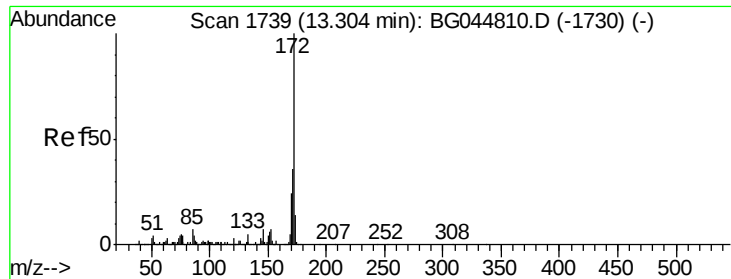


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

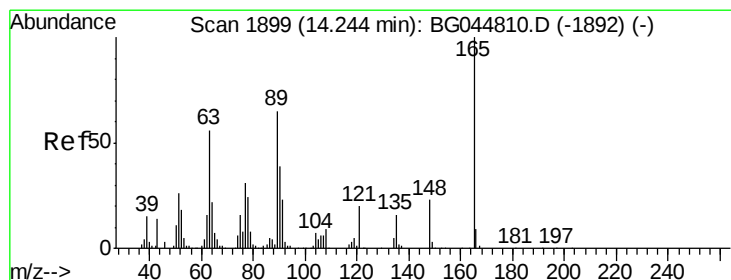
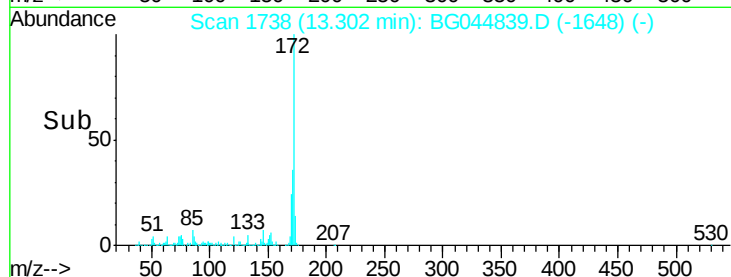
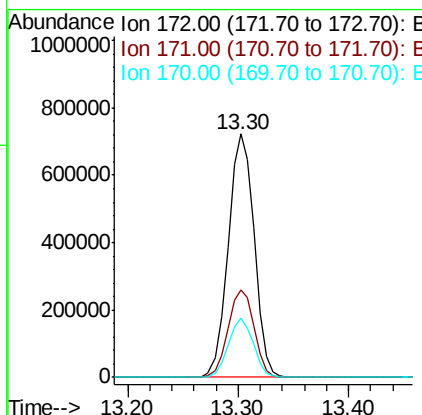
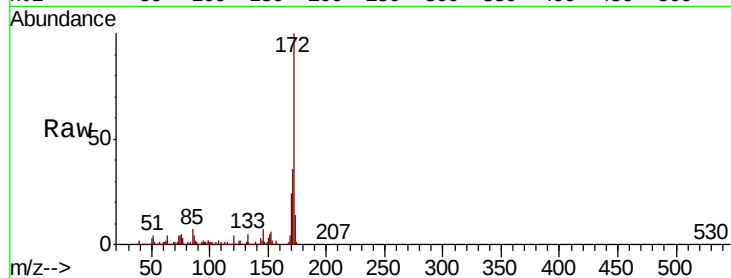




#45
2-Fluorobiphenyl
Concen: 82.541 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.00 min
Lab File: BG044839.D
Acq: 17 Mar 2020 19:11

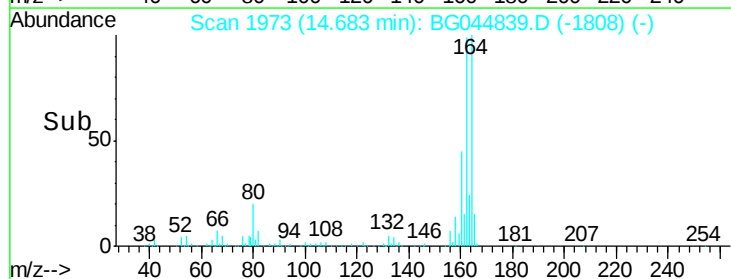
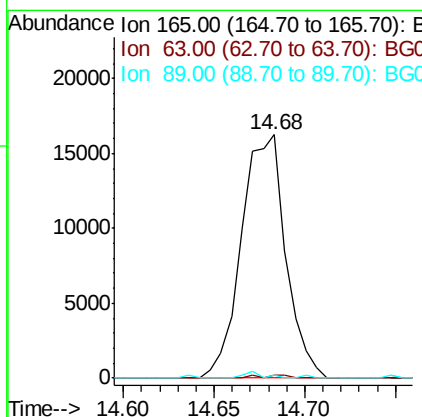
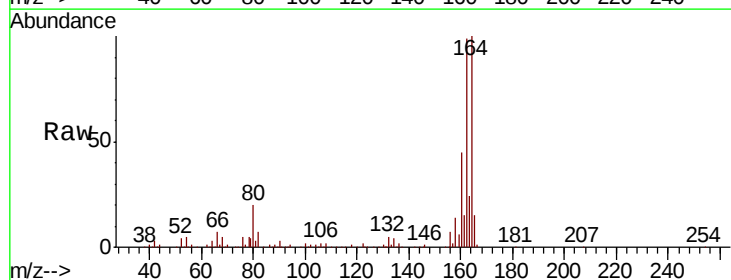
Instrument :
BNA_G
ClientSampleId :

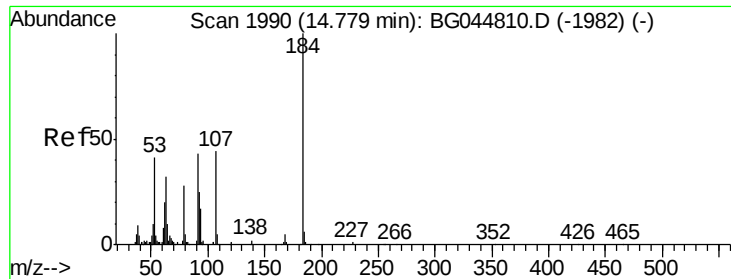
Tot Ion:172 Resp: 1184591
Ion Ratio Lower Upper
172 100
171 36.1 28.7 43.1
170 24.3 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 8.350 ng
RT: 14.68 min Scan# 1973
Delta R.T. 0.44 min
Lab File: BG044839.D
Acq: 17 Mar 2020 19:11

Tgt Ion:165 Resp: 27549
Ion Ratio Lower Upper
165 100
63 1.4 45.8 68.8#
89 1.3 51.8 77.6#

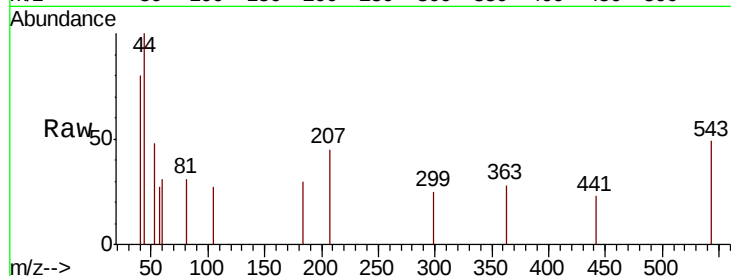




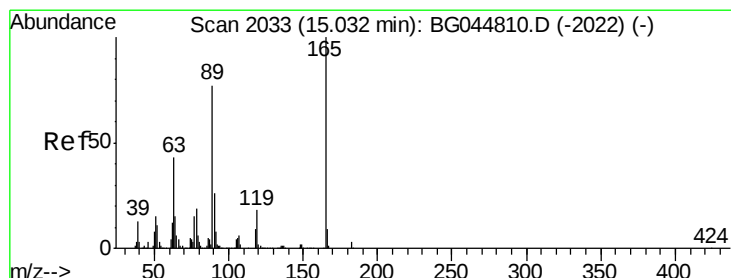
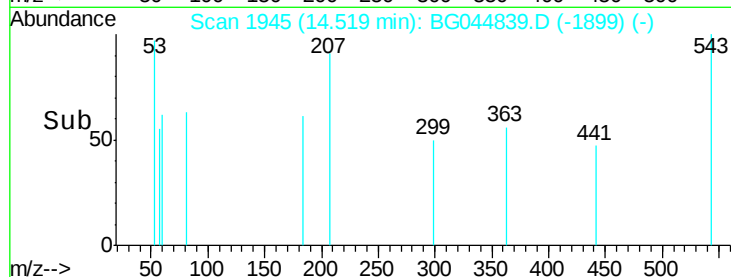
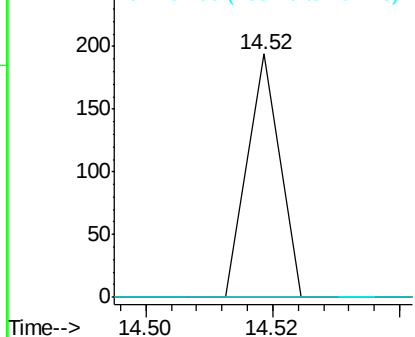
#54
2,4-Dinitrophenol
Concen: 8.358 ng
RT: 14.52 min Scan# 1945
Delta R.T. -0.26 min
Lab File: BG044839.D
Acq: 17 Mar 2020 19:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion:184 Resp: 68
Ion Ratio Lower Upper
184 100
63 0.0 45.5 68.3#
154 0.0 49.1 73.7#

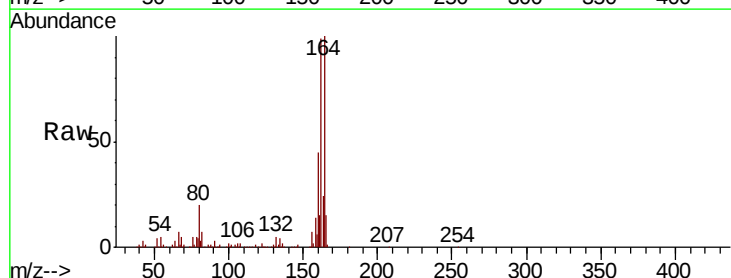


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

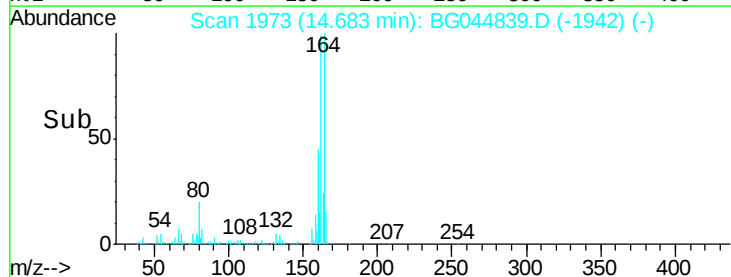
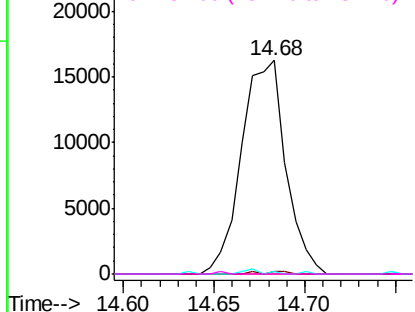


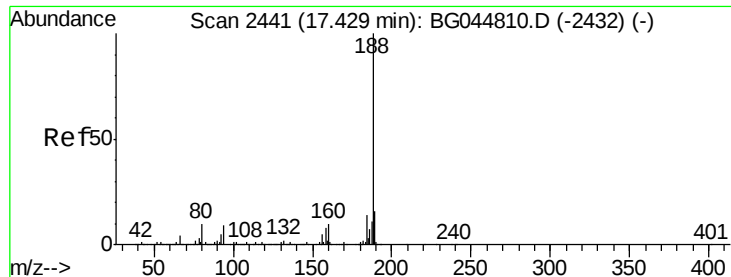
#57
2,4-Dinitrotoluene
Concen: 6.088 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.35 min
Lab File: BG044839.D
Acq: 17 Mar 2020 19:11

Tgt Ion:165 Resp: 27549
Ion Ratio Lower Upper
165 100
63 1.4 34.6 52.0#
89 1.3 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: 20.000 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.01 min

Lab File: BG044839.D

Acq: 17 Mar 2020 19:11

Instrument :

BNA_G

ClientSampleId :

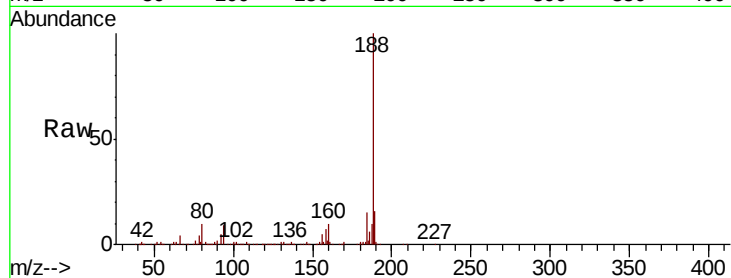
Tot Ion:188 Resp: 514916

Ion Ratio Lower Upper

188 100

94 8.6 7.3 10.9

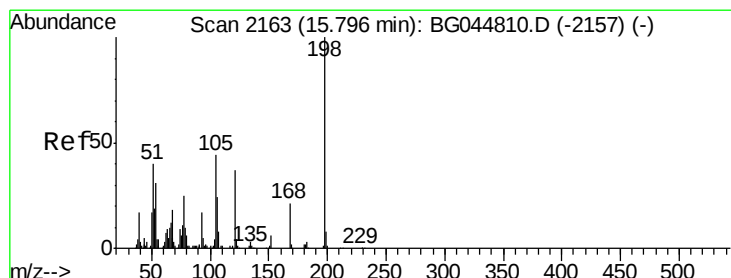
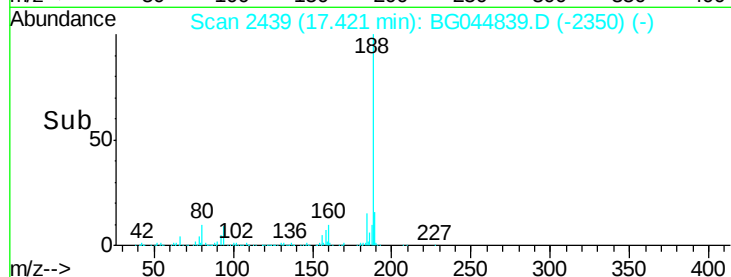
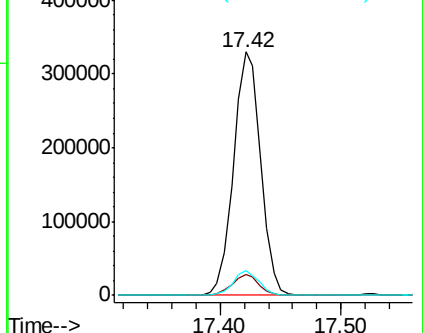
80 10.0 8.0 12.0



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: 7.750 ng

RT: 15.56 min Scan# 2123

Delta R.T. -0.23 min

Lab File: BG044839.D

Acq: 17 Mar 2020 19:11

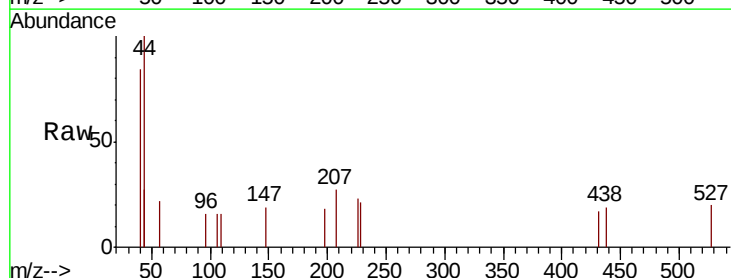
Tgt Ion:198 Resp: 62

Ion Ratio Lower Upper

198 100

51 0.0 21.1 61.1#

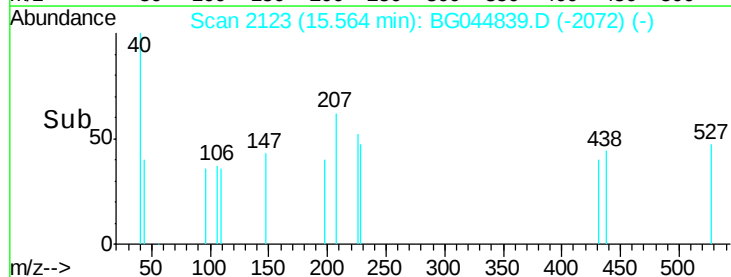
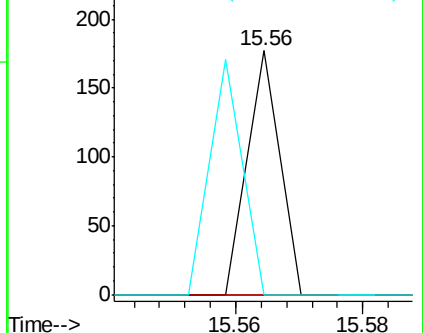
105 0.0 24.5 64.5#

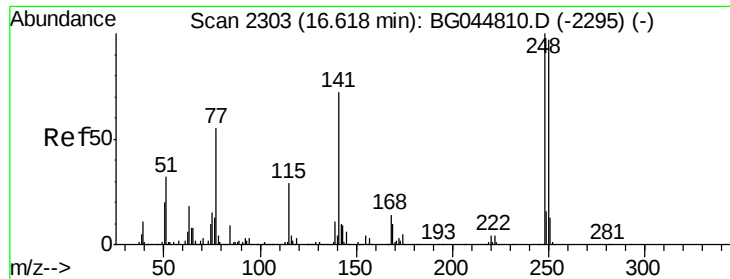


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

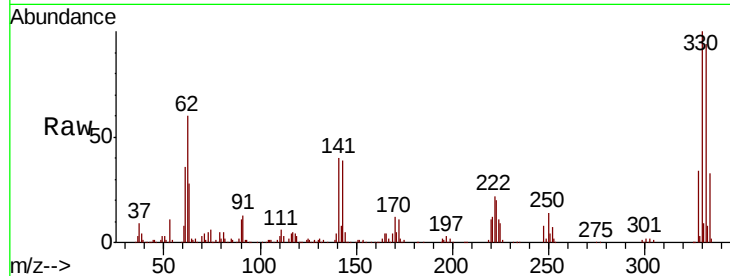




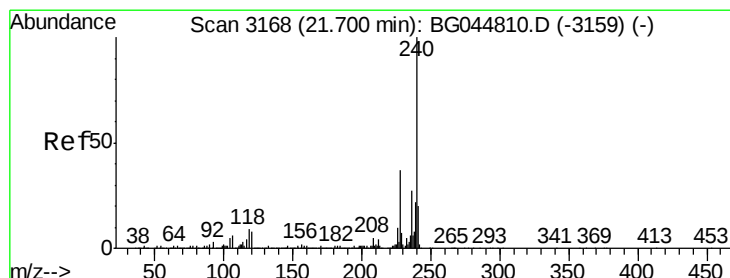
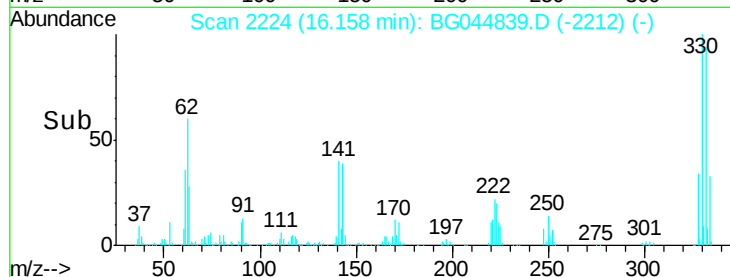
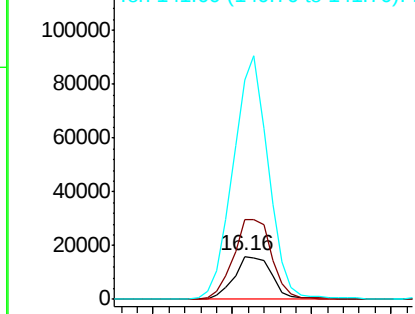
#67
 4-Bromophenyl-phenylether
 Concen: 4.076 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.46 min
 Lab File: BG044839.D
 Acq: 17 Mar 2020 19:11

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 26236
 Ion Ratio Lower Upper
 248 100
 250 186.3 77.9 116.9#
 141 514.7 57.5 86.3#

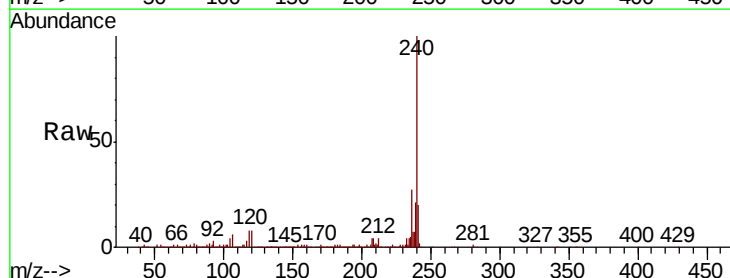


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

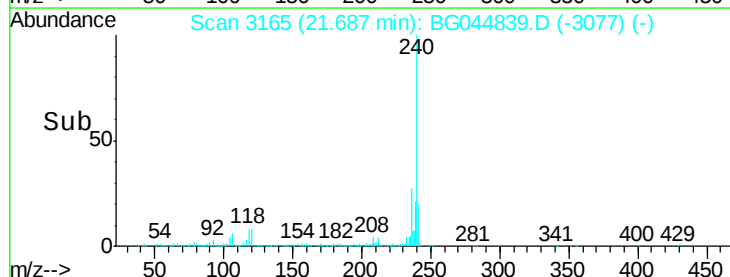
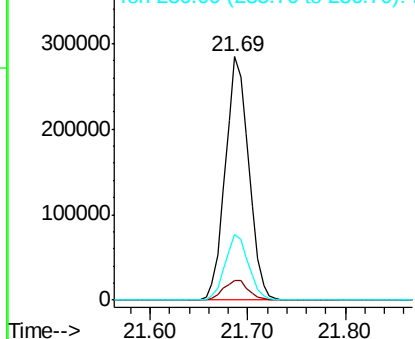


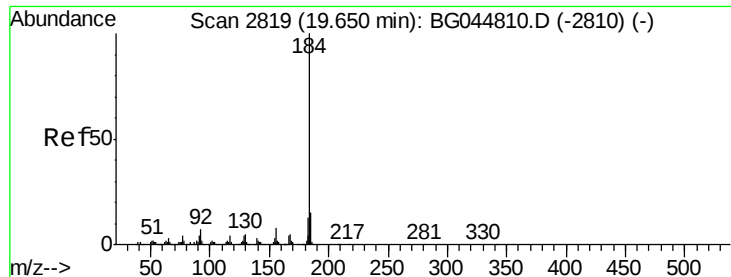
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3165
 Delta R.T. -0.01 min
 Lab File: BG044839.D
 Acq: 17 Mar 2020 19:11

Tgt Ion:240 Resp: 472608
 Ion Ratio Lower Upper
 240 100
 120 8.2 6.7 10.1
 236 27.1 21.5 32.3



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





#77

Benzidine

Concen: 2.633 ng

RT: 20.04 min Scan# 2884

Delta R.T. 0.39 min

Lab File: BG044839.D

Acq: 17 Mar 2020 19:11

Instrument :

BNA_G

ClientSampleId :

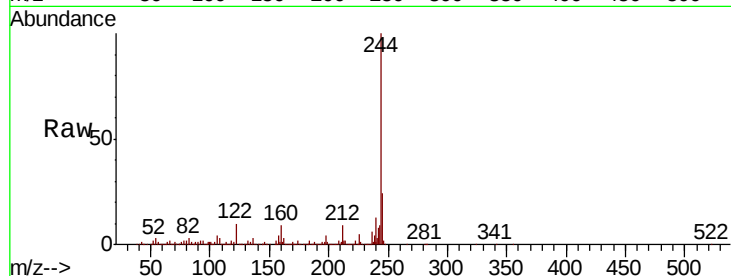
Tot Ion:184 Resp: 40397

Ion Ratio Lower Upper

184 100

185 15.2 12.2 18.4

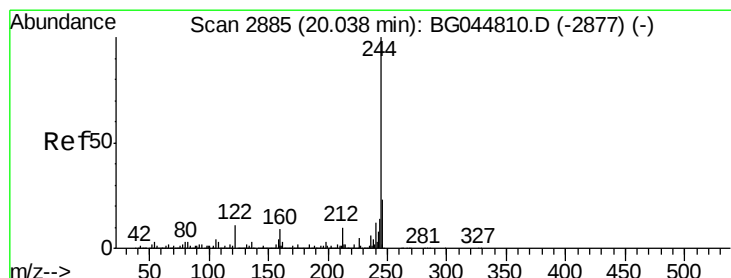
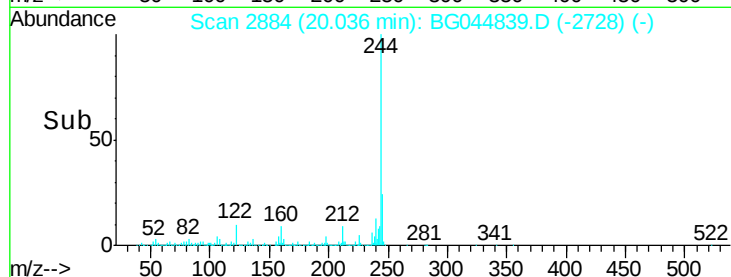
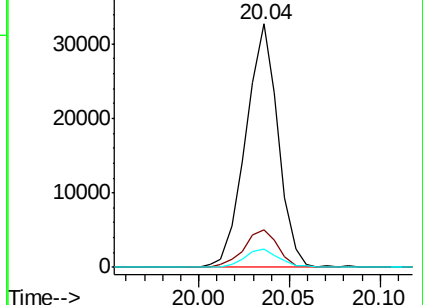
183 7.4 10.7 16.1#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 82.000 ng

RT: 20.04 min Scan# 2884

Delta R.T. -0.00 min

Lab File: BG044839.D

Acq: 17 Mar 2020 19:11

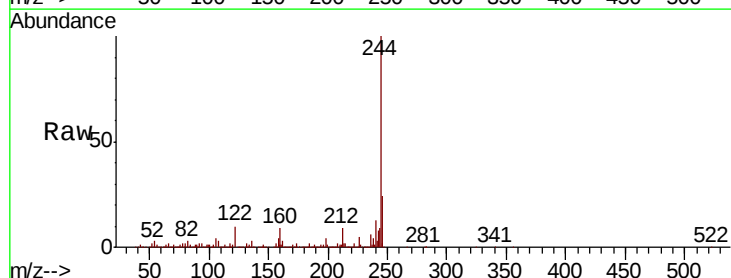
Tgt Ion:244 Resp: 2071795

Ion Ratio Lower Upper

244 100

212 9.5 7.7 11.5

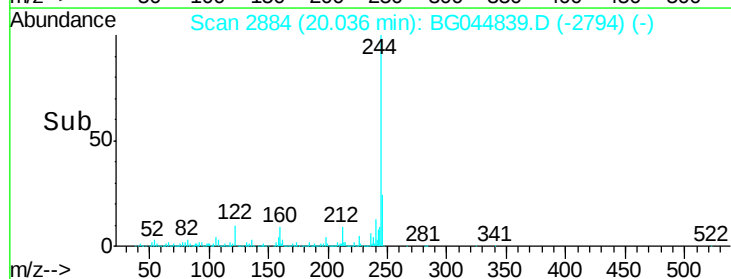
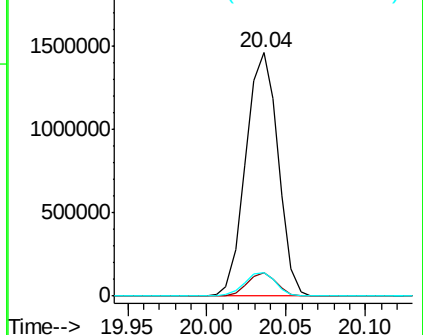
122 9.9 8.6 12.8

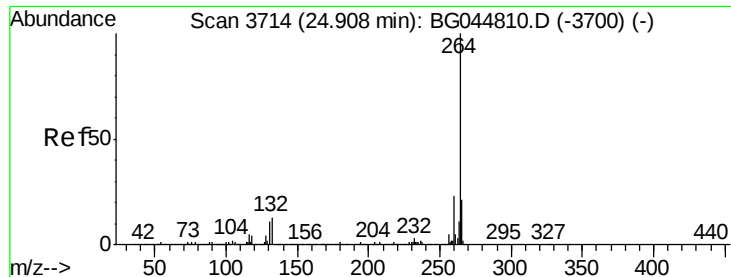


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.90 min Scan# 3712
 Delta R.T. -0.01 min
 Lab File: BG044839.D
 Acq: 17 Mar 2020 19:11

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.1	27.1
265	22.4	17.1	25.7

