

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031720\
 Data File : BG044851.D
 Acq On : 18 Mar 2020 3:05
 Operator : CG/JU
 Sample : L1917-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 18 11:47:46 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	8.05	152	94643	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	380565	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	256538	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	560324	20.00	ng	0.00
76) Chrysene-d12	21.69	240	484331	20.00	ng	-0.01
87) Perylene-d12	24.89	264	559132	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	399645	65.73	ng	0.00
7) Phenol-d6	7.20	99	411324	46.56	ng	0.00
23) Nitrobenzene-d5	9.20	82	771520	88.96	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	482801	143.73	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	1604060	89.54	ng	0.00
79) Terphenyl-d14	20.04	244	2273316	87.80	ng	0.00

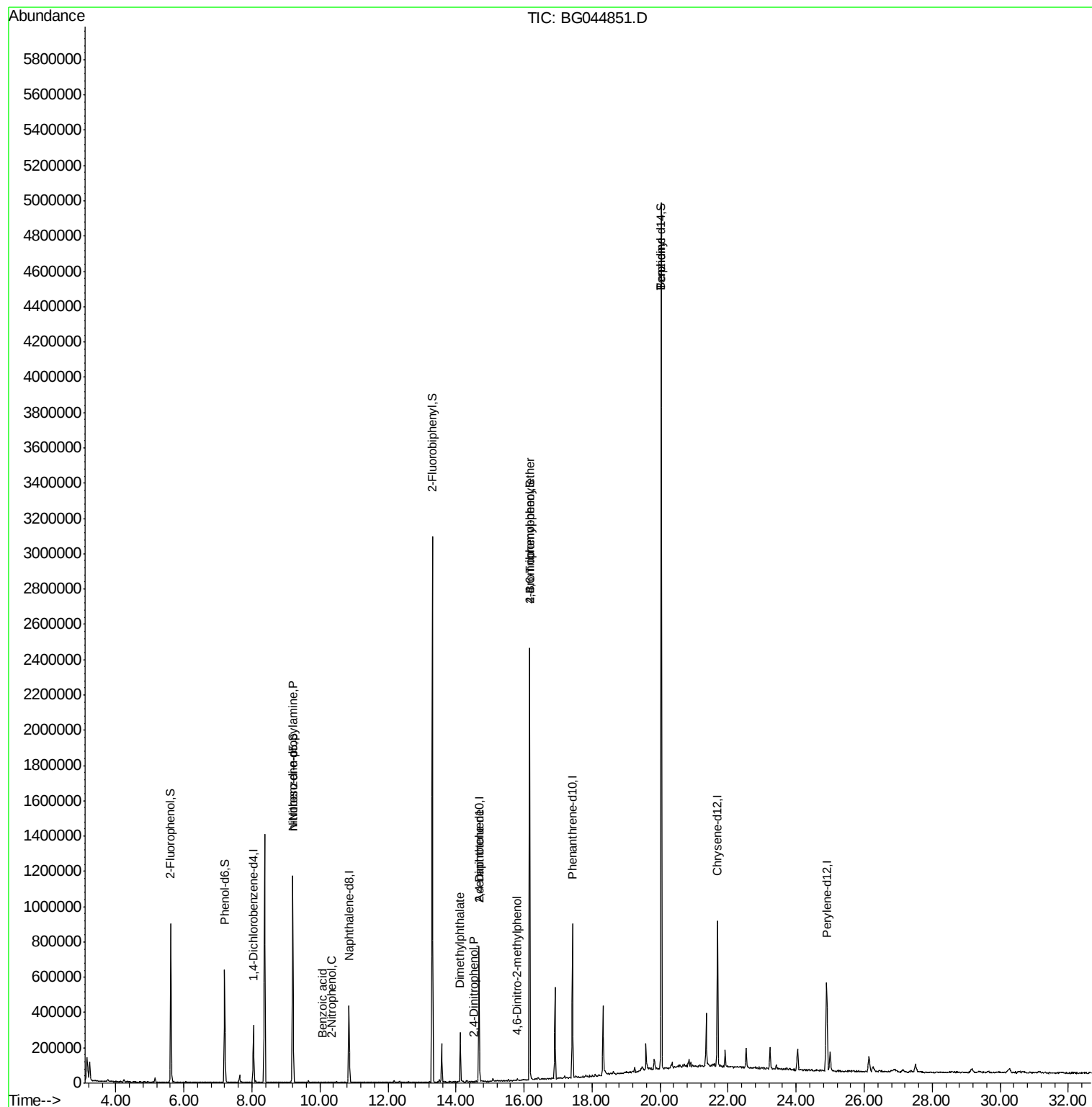
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.19	77	1199	Below Cal		# 6
19) n-Nitroso-di-n-propylamine	9.20	70	105149	16.858	ng	# 73
26) 2-Nitrophenol	10.34	139	72	5.536	ng	# 28
32) Benzoic acid	10.06	122	53	9.680	ng	# 1
50) Dimethylphthalate	14.12	163	188584	9.230	ng	99
54) 2,4-Dinitrophenol	14.51	184	80	8.356	ng	# 21
57) 2,4-Dinitrotoluene	14.68	165	32687	5.787	ng	# 23
65) 4,6-Dinitro-2-methylphenol	15.78	198	78	7.753	ng	# 1
67) 4-Bromophenyl-phenylether	16.16	248	33574	4.793	ng	# 1
77) Benzidine	20.04	184	45390	2.887	ng	# 88

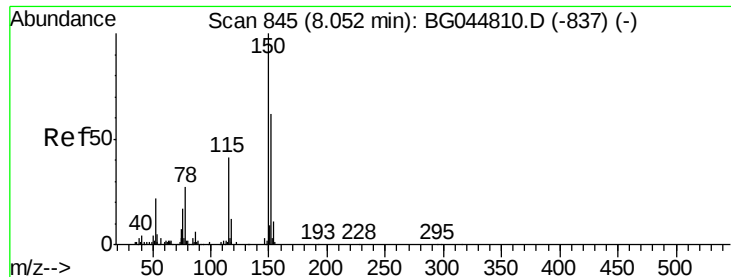
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031720\
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.05 min Scan# 844

Delta R.T. -0.00 min

Lab File: BG044851.D

Acq: 18 Mar 2020 3:05

Instrument :

BNA_G

ClientSampled :

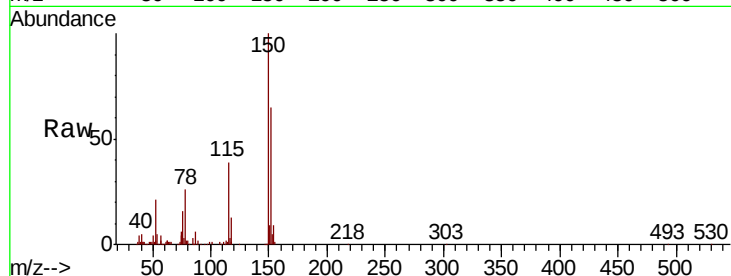
Tot Ion:152 Resp: 94643

Ion Ratio Lower Upper

152 100

150 152.9 128.8 193.2

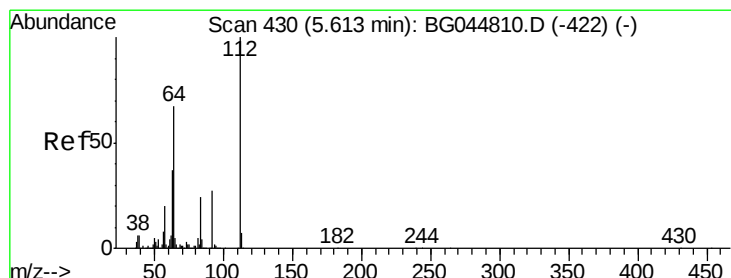
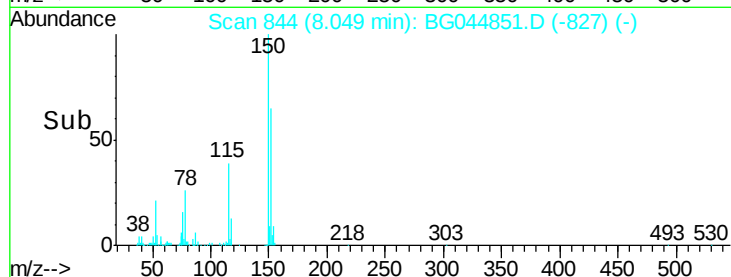
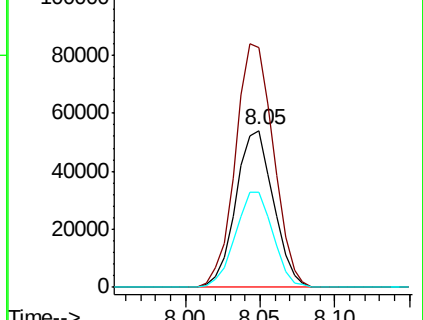
115 60.4 52.6 79.0



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: 65.734 ng

RT: 5.62 min Scan# 430

Delta R.T. 0.00 min

Lab File: BG044851.D

Acq: 18 Mar 2020 3:05

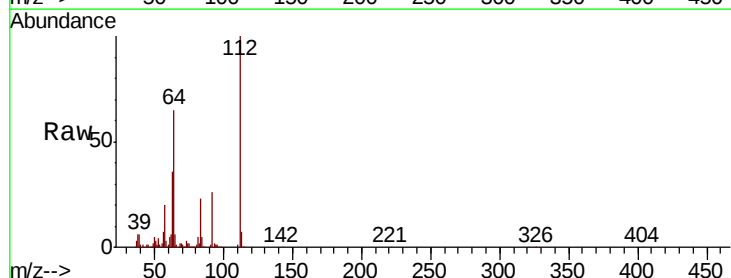
Tgt Ion:112 Resp: 399645

Ion Ratio Lower Upper

112 100

64 65.1 53.4 80.2

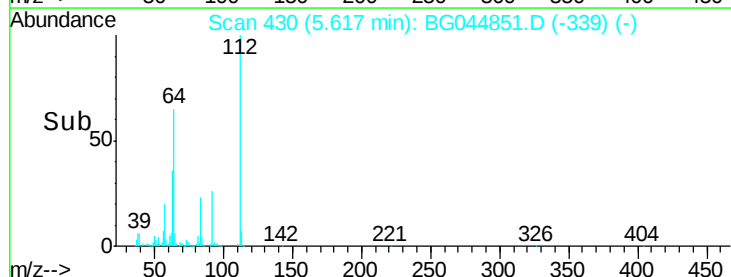
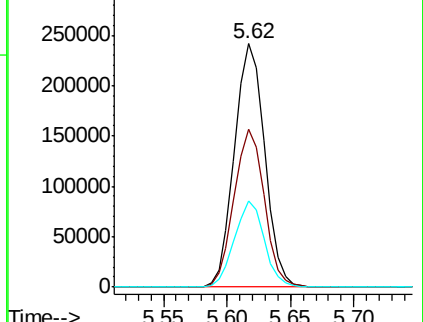
63 35.6 29.4 44.2

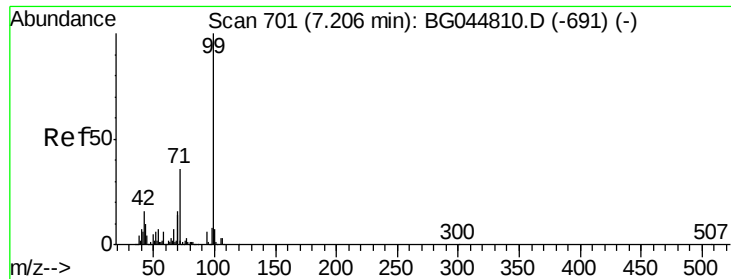


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 46.564 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.01 min

Lab File: BG044851.D

Acq: 18 Mar 2020 3:05

Instrument :

BNA_G

ClientSampleId :

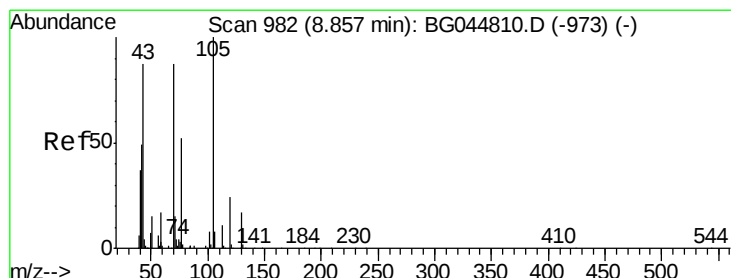
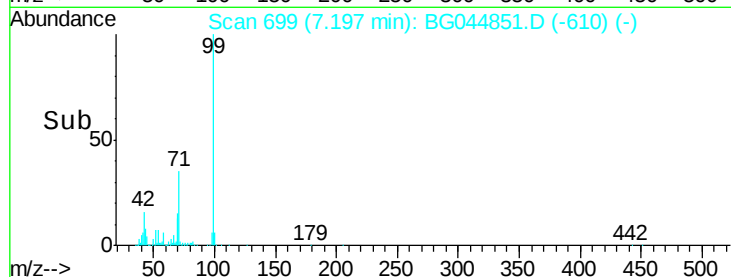
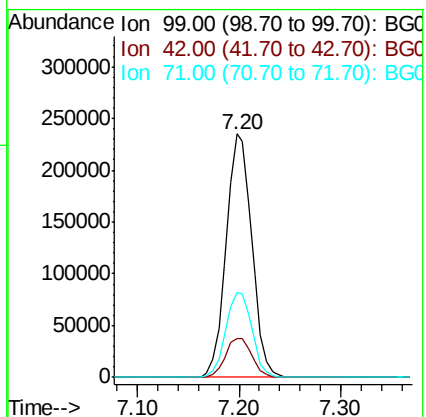
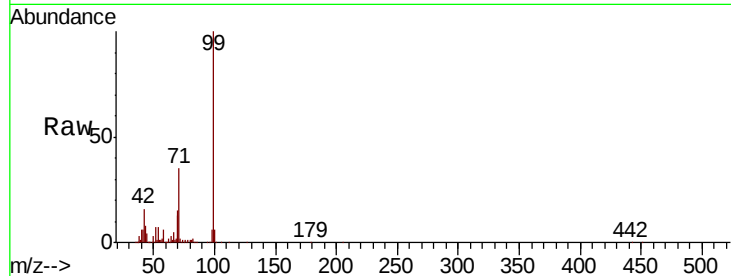
Tot Ion: 99 Resp: 411324

Ion Ratio Lower Upper

99 100

42 15.7 12.6 19.0

71 34.9 29.0 43.4



#19

n-Nitroso-di-n-propylamine

Concen: 16.858 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG044851.D

Acq: 18 Mar 2020 3:05

Tgt Ion: 70 Resp: 105149

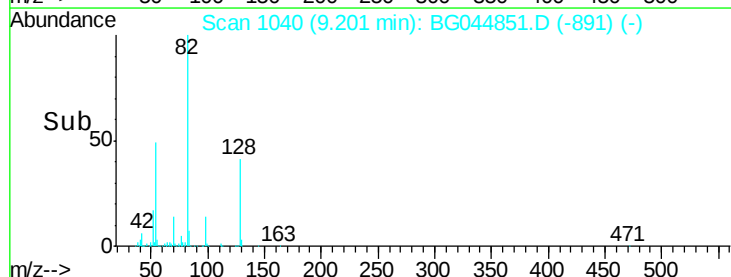
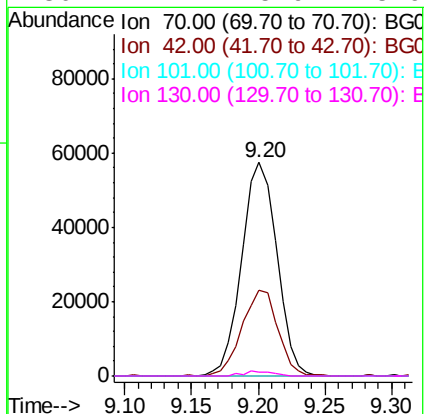
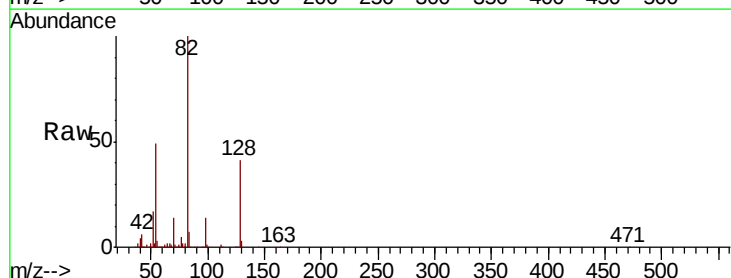
Ion Ratio Lower Upper

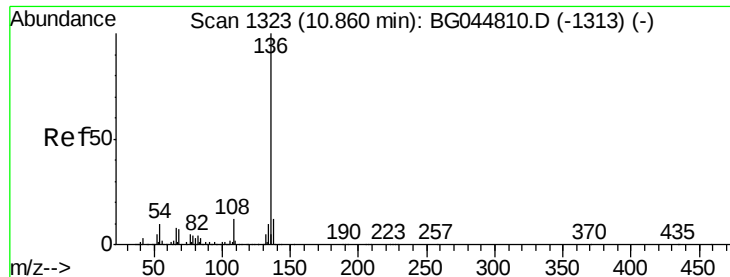
70 100

42 40.4 45.7 68.5#

101 0.0 7.4 11.2#

130 1.7 15.9 23.9#

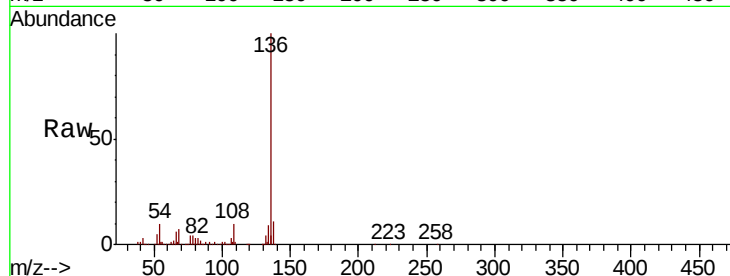




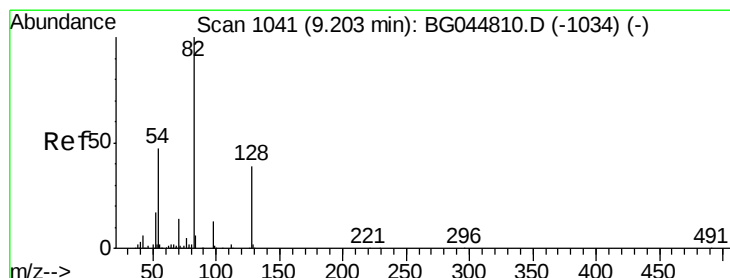
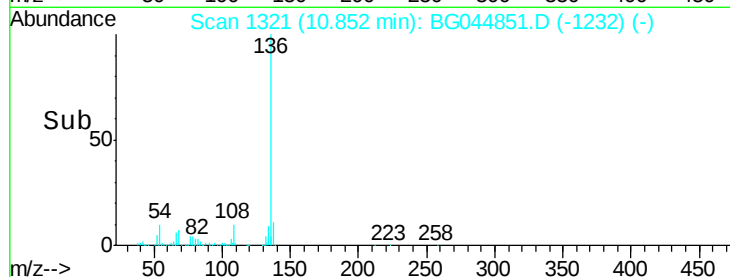
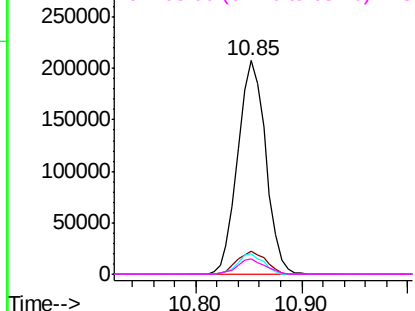
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG044851.D
Acq: 18 Mar 2020 3:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	380565
Ion Ratio	Lower	Upper
136	100	
137	10.7	9.8 14.6
54	9.8	7.9 11.9
68	6.9	5.4 8.0

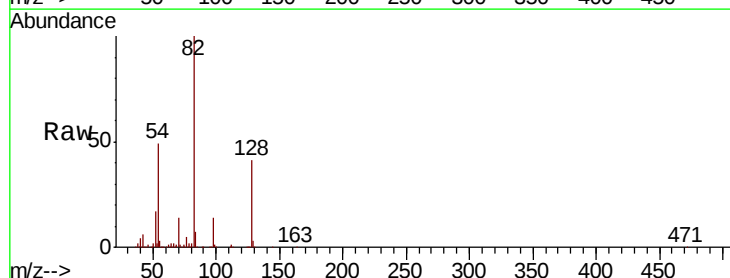


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

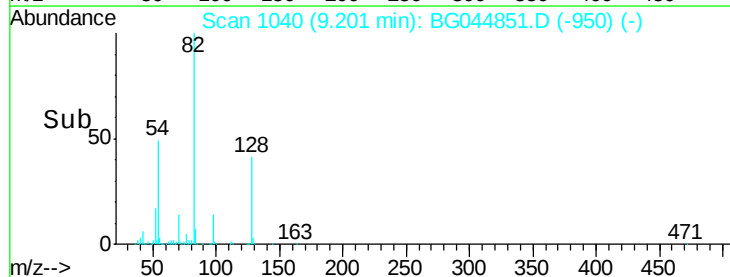
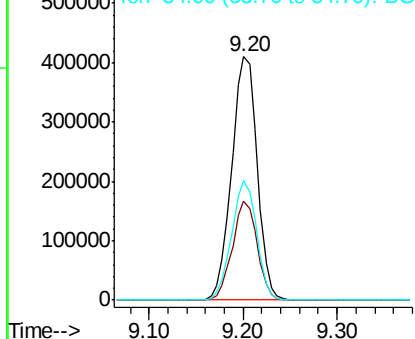


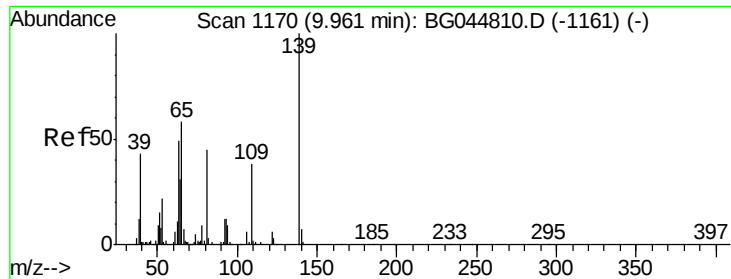
#23
Nitrobenzene-d5
Concen: 88.961 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BG044851.D
Acq: 18 Mar 2020 3:05

Tgt Ion: 82	Resp:	771520
Ion Ratio	Lower	Upper
82	100	
128	40.6	30.6 46.0
54	49.0	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

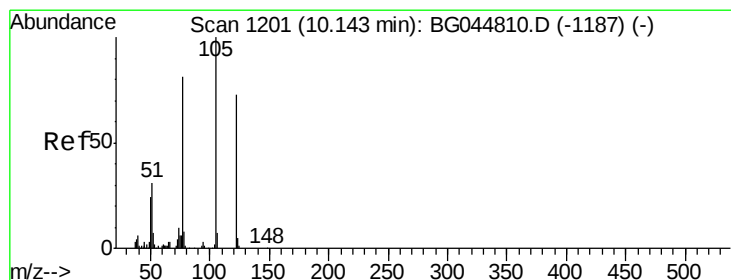
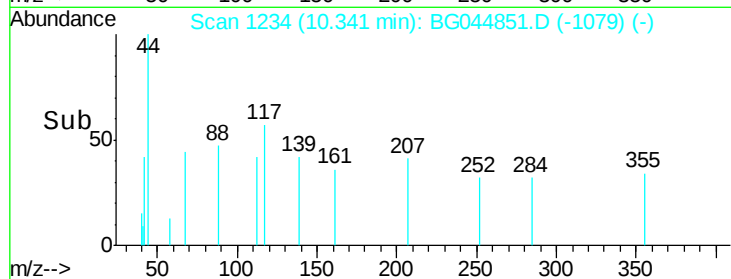
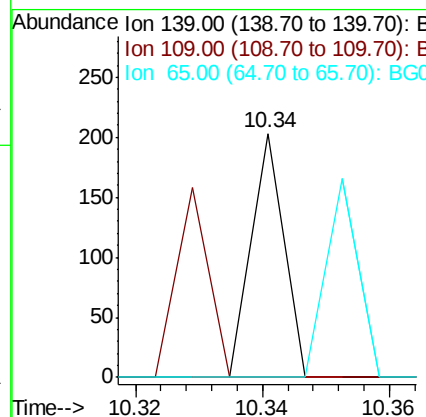
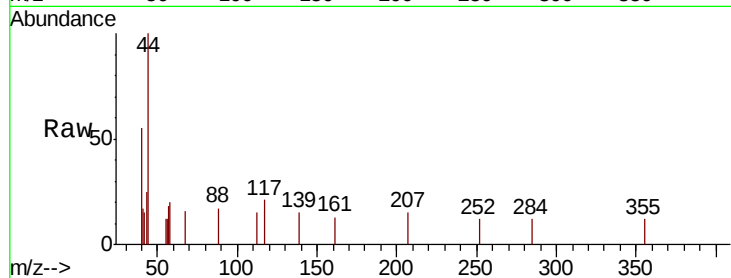




#26
2-Nitrophenol
Concen: 5.536 ng
RT: 10.34 min Scan# 1234
Delta R.T. 0.38 min
Lab File: BG044851.D
Acq: 18 Mar 2020 3:05

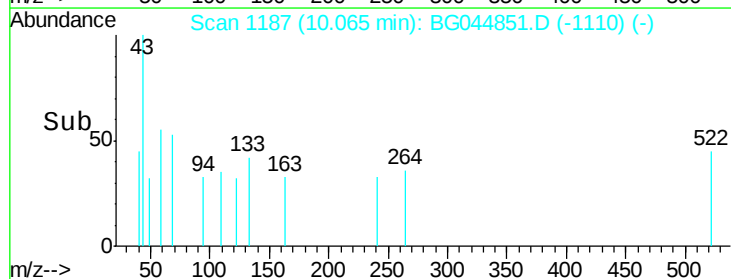
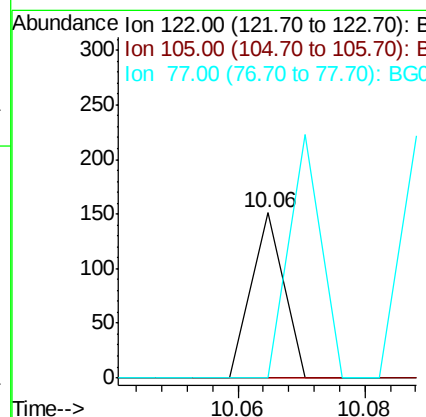
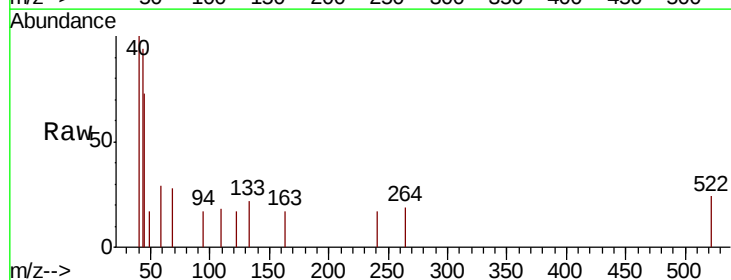
Instrument :
BNA_G
ClientSampled :

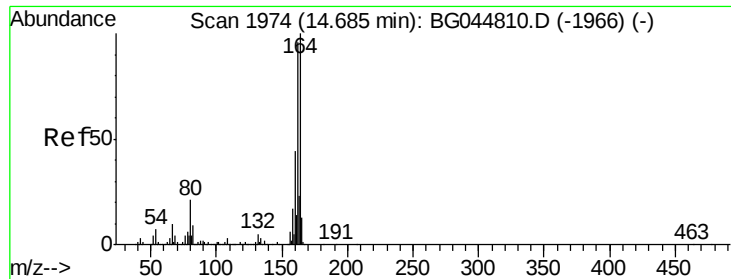
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	30.2	45.4#
65	0.0	46.3	69.5#



#32
Benzoic acid
Concen: 9.680 ng
RT: 10.06 min Scan# 1187
Delta R.T. -0.08 min
Lab File: BG044851.D
Acq: 18 Mar 2020 3:05

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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1972

Delta R.T. -0.01 min

Lab File: BG044851.D

Acq: 18 Mar 2020 3:05

Instrument :

BNA_G

ClientSampleId :

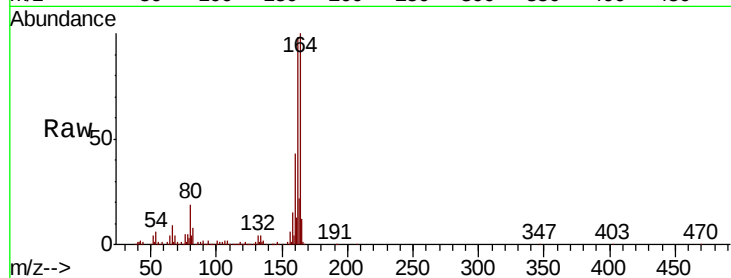
Tot Ion:164 Resp: 256538

Ion Ratio Lower Upper

164 100

162 98.0 76.7 115.1

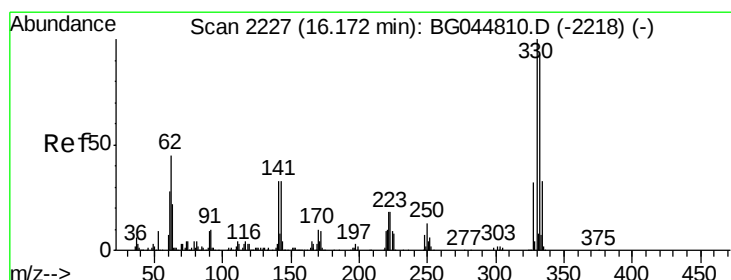
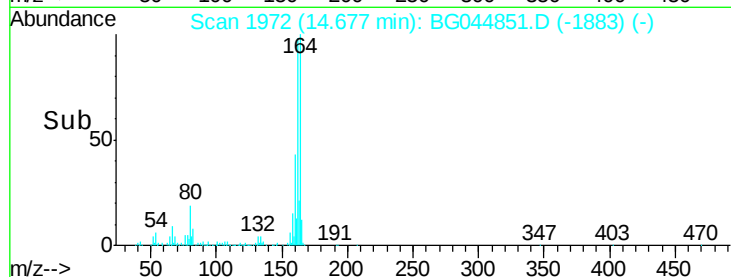
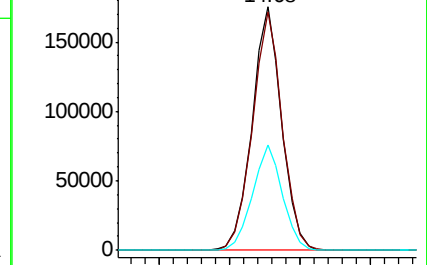
160 43.1 35.0 52.4



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: 143.735 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044851.D

Acq: 18 Mar 2020 3:05

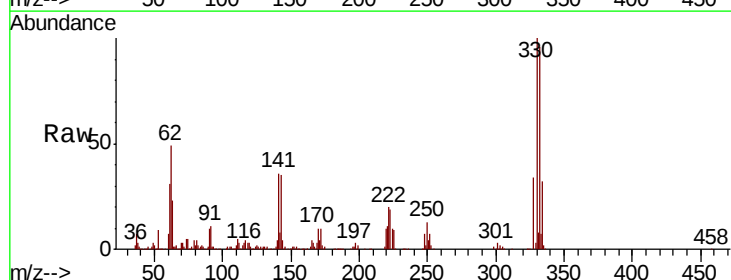
Tgt Ion:330 Resp: 482801

Ion Ratio Lower Upper

330 100

332 96.5 77.8 116.6

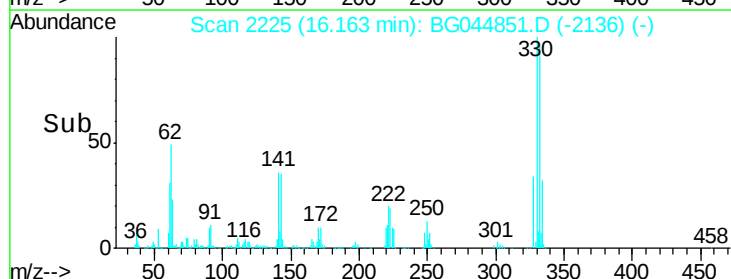
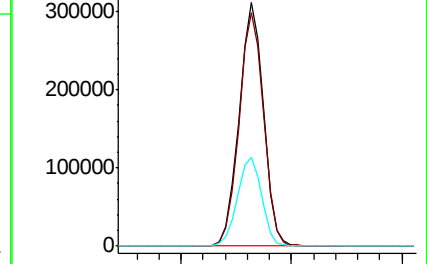
141 36.4 29.5 44.3

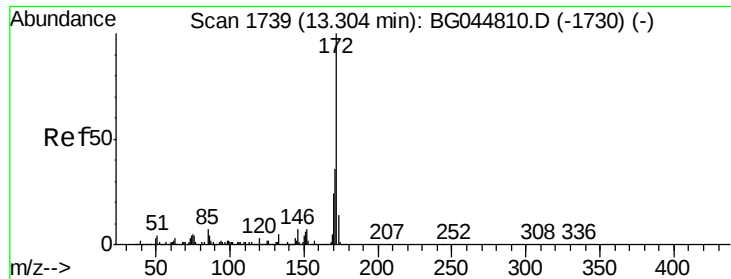


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

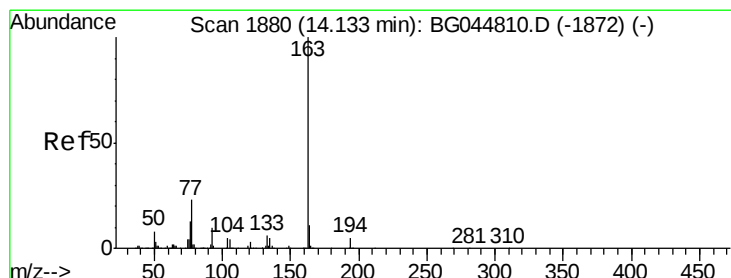
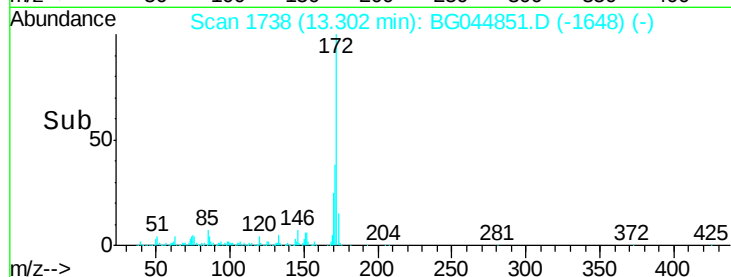
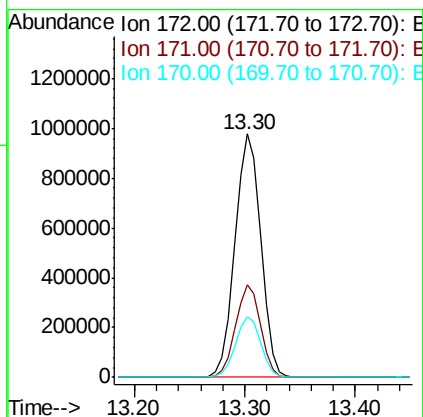
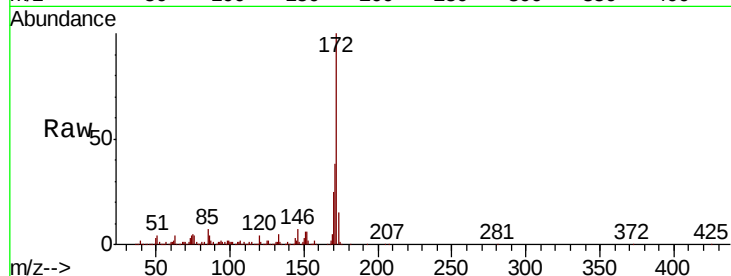




#45
2-Fluorobiphenyl
Concen: 89.541 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.00 min
Lab File: BG044851.D
Acq: 18 Mar 2020 3:05

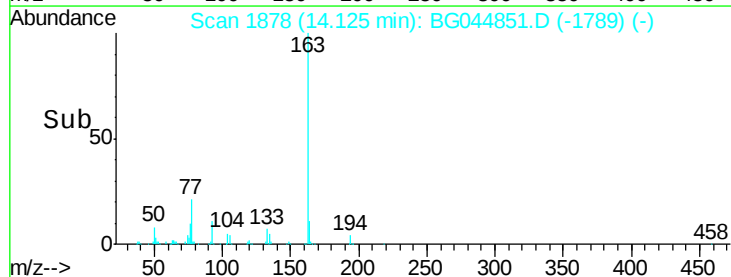
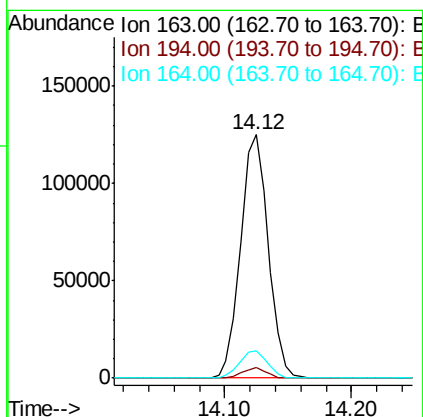
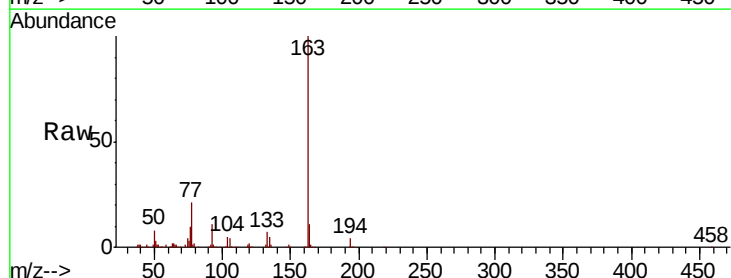
Instrument :
BNA_G
ClientSampleId :

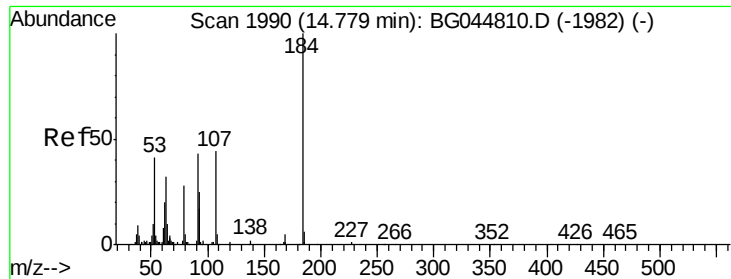
Tot Ion:172 Resp: 1604060
Ion Ratio Lower Upper
172 100
171 38.1 28.7 43.1
170 25.1 19.0 28.6



#50
Dimethylphthalate
Concen: 9.230 ng
RT: 14.12 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BG044851.D
Acq: 18 Mar 2020 3:05

Tgt Ion:163 Resp: 188584
Ion Ratio Lower Upper
163 100
194 4.2 3.7 5.5
164 11.2 9.1 13.7

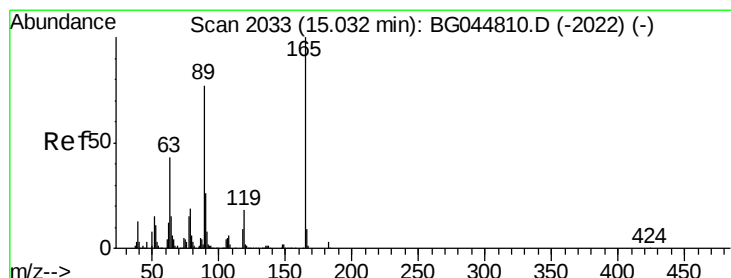
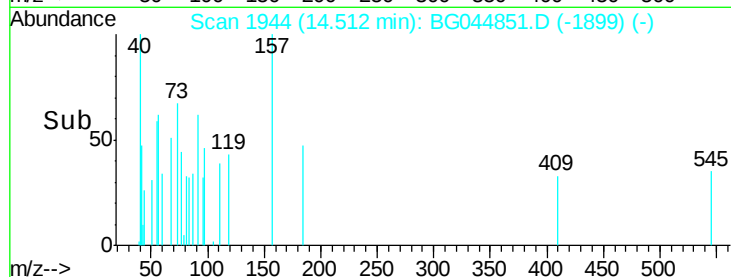
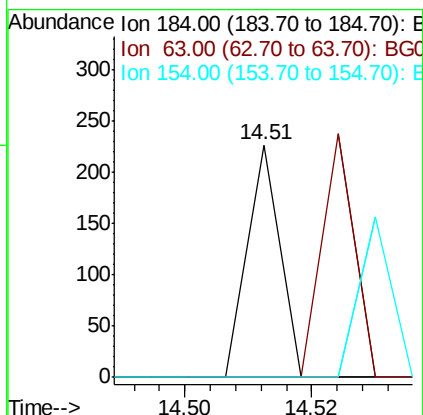
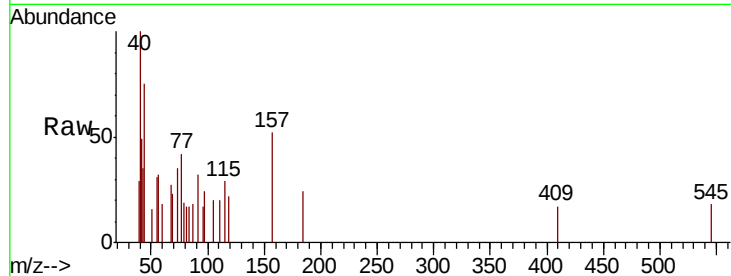




#54
2,4-Dinitrophenol
Concen: 8.356 ng
RT: 14.51 min Scan# 1944
Delta R.T. -0.27 min
Lab File: BG044851.D
Acq: 18 Mar 2020 3:05

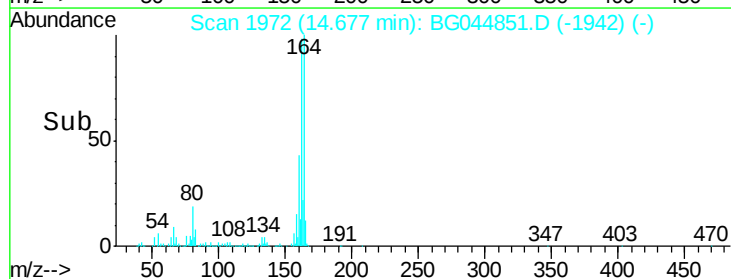
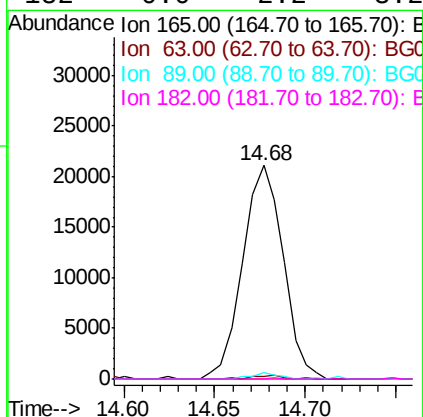
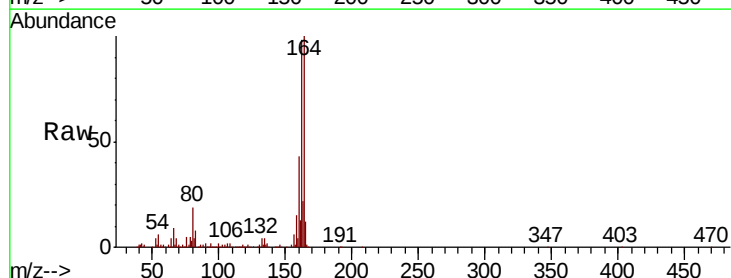
Instrument :
BNA_G
ClientSampleId :

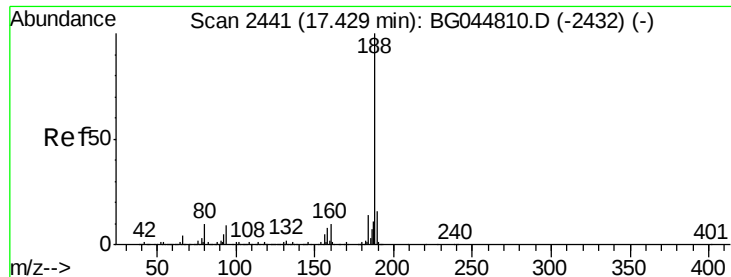
Tot Ion:184 Resp: 80
Ion Ratio Lower Upper
184 100
63 0.0 45.5 68.3#
154 0.0 49.1 73.7#



#57
2,4-Dinitrotoluene
Concen: 5.787 ng
RT: 14.68 min Scan# 1972
Delta R.T. -0.35 min
Lab File: BG044851.D
Acq: 18 Mar 2020 3:05

Tgt Ion:165 Resp: 32687
Ion Ratio Lower Upper
165 100
63 1.0 34.6 52.0#
89 2.8 61.3 91.9#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.01 min

Lab File: BG044851.D

Acq: 18 Mar 2020 3:05

Instrument :

BNA_G

ClientSampled :

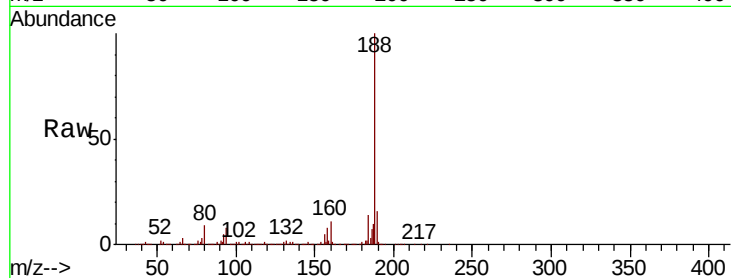
Tot Ion:188 Resp: 560324

Ion Ratio Lower Upper

188 100

94 8.3 7.3 10.9

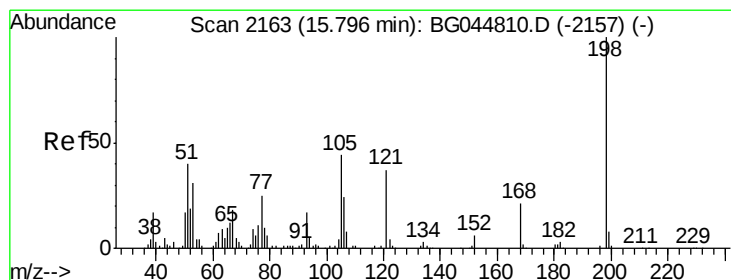
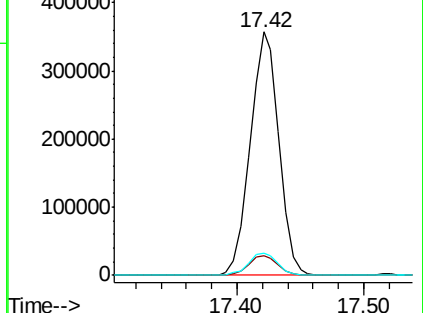
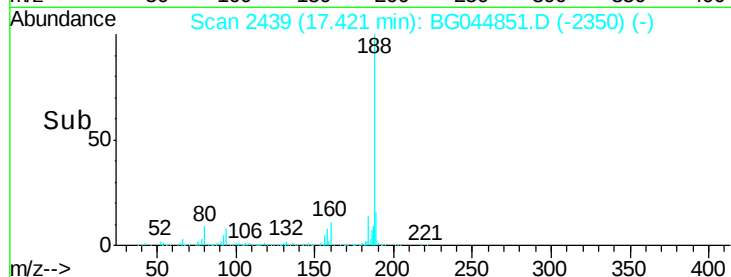
80 9.3 8.0 12.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 7.753 ng

RT: 15.78 min Scan# 2160

Delta R.T. -0.01 min

Lab File: BG044851.D

Acq: 18 Mar 2020 3:05

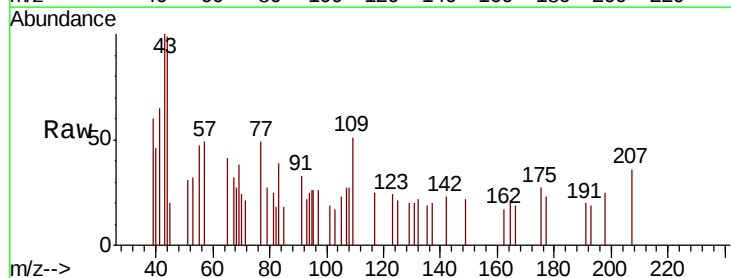
Tgt Ion:198 Resp: 78

Ion Ratio Lower Upper

198 100

51 124.9 21.1 61.1#

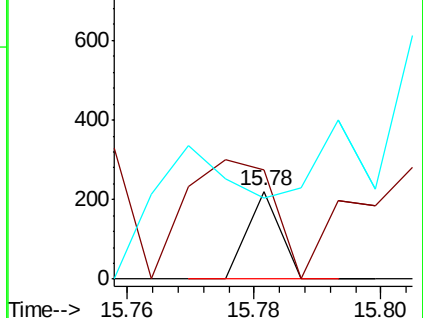
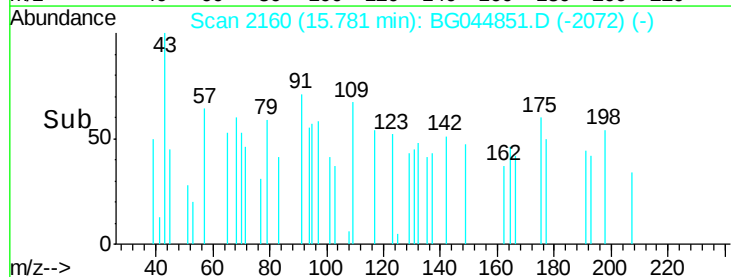
105 91.9 24.5 64.5#

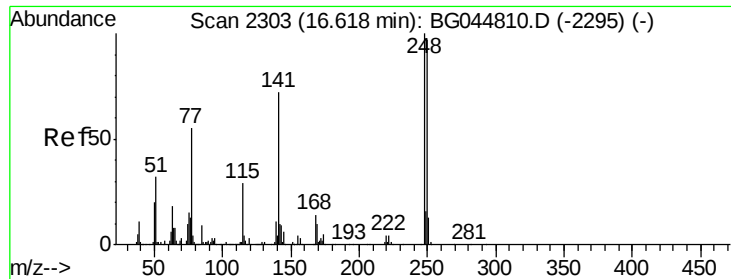


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

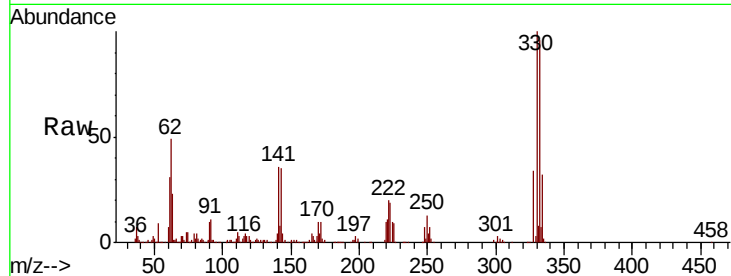




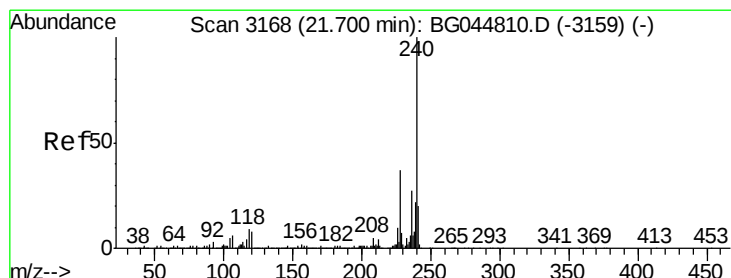
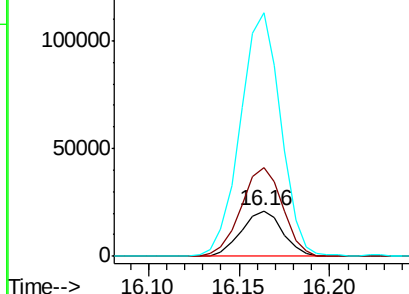
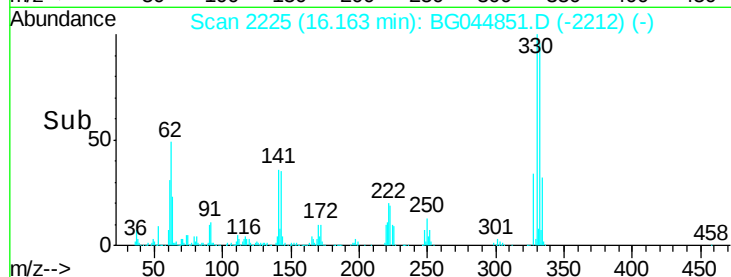
#67
4-Bromophenyl-phenylether
Concen: 4.793 ng
RT: 16.16 min Scan# 2225
Delta R.T. -0.45 min
Lab File: BG044851.D
Acq: 18 Mar 2020 3:05

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 33574
Ion Ratio Lower Upper
248 100
250 194.6 77.9 116.9#
141 535.8 57.5 86.3#

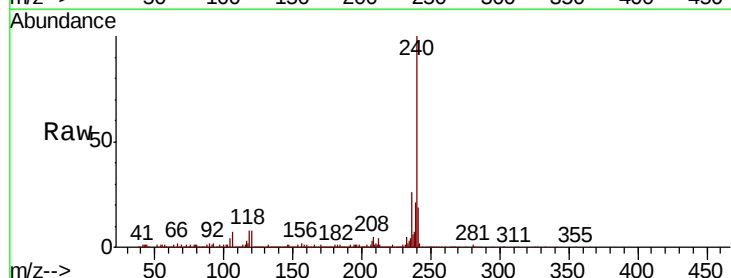


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

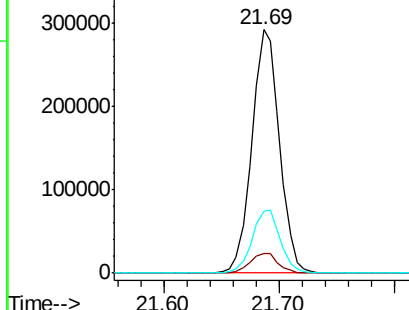
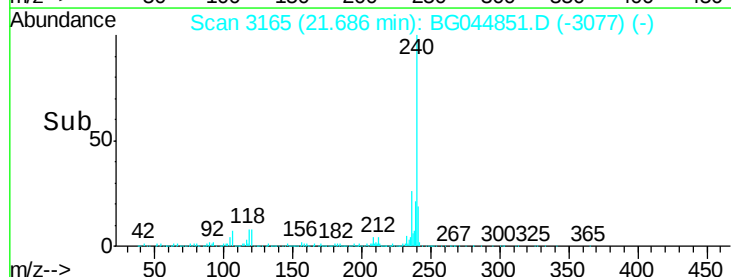


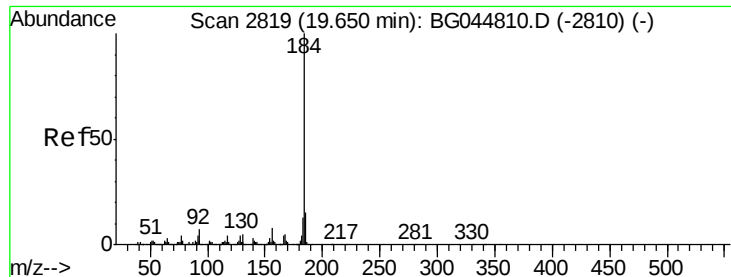
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG044851.D
Acq: 18 Mar 2020 3:05

Tgt Ion:240 Resp: 484331
Ion Ratio Lower Upper
240 100
120 8.2 6.7 10.1
236 25.6 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: 2.887 ng

RT: 20.04 min Scan# 2884

Delta R.T. 0.39 min

Lab File: BG044851.D

Acq: 18 Mar 2020 3:05

Instrument :

BNA_G

ClientSampleId :

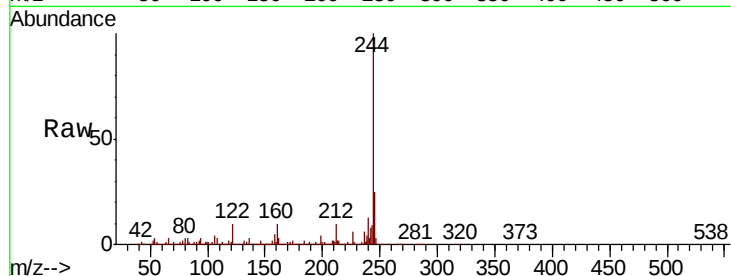
Tot Ion:184 Resp: 45390

Ion Ratio Lower Upper

184 100

185 20.4 12.2 18.4#

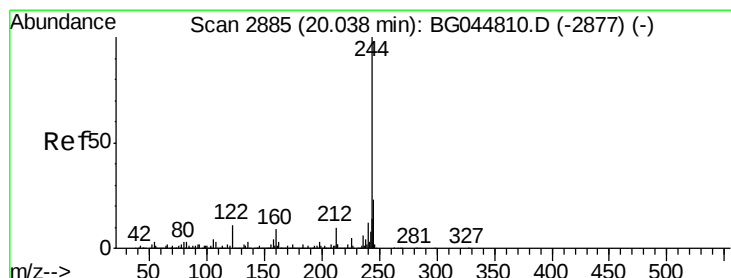
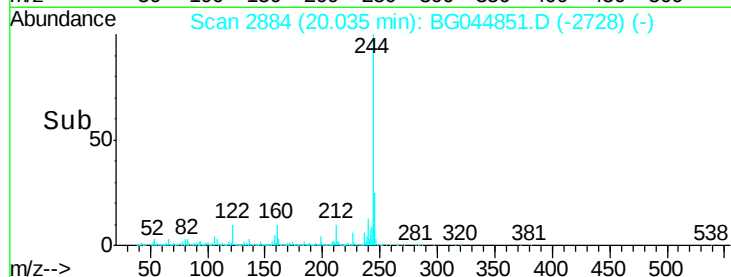
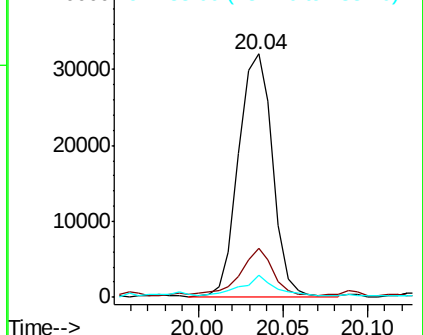
183 8.9 10.7 16.1#



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: 87.798 ng

RT: 20.04 min Scan# 2884

Delta R.T. -0.00 min

Lab File: BG044851.D

Acq: 18 Mar 2020 3:05

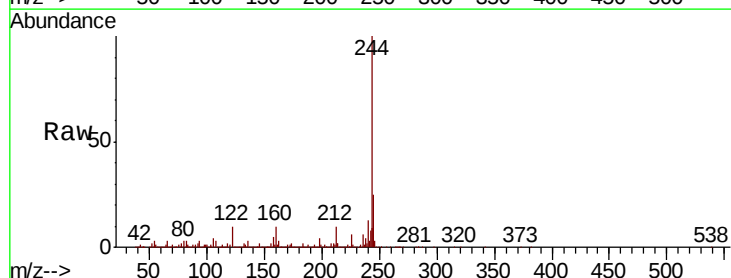
Tgt Ion:244 Resp: 2273316

Ion Ratio Lower Upper

244 100

212 10.0 7.7 11.5

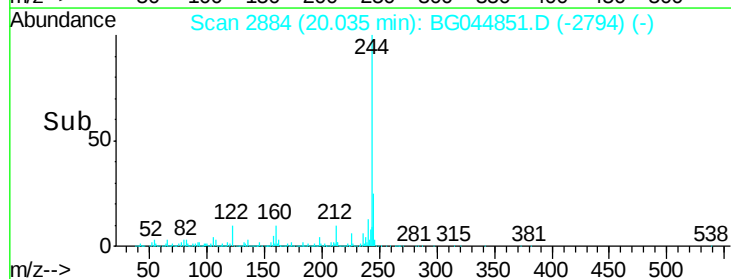
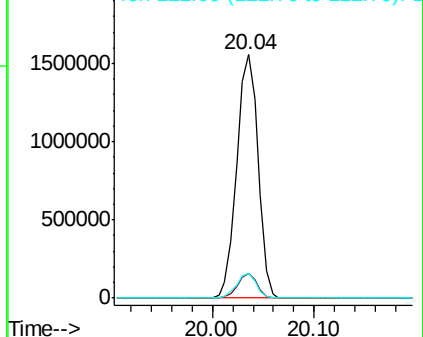
122 10.4 8.6 12.8

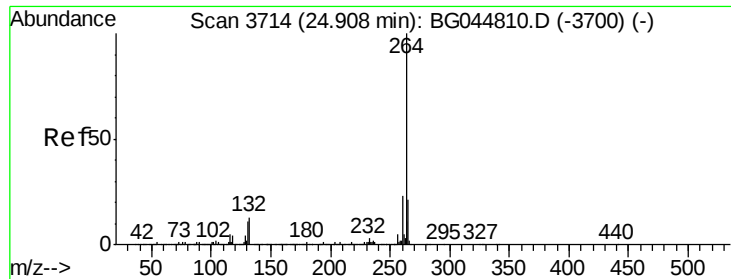


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

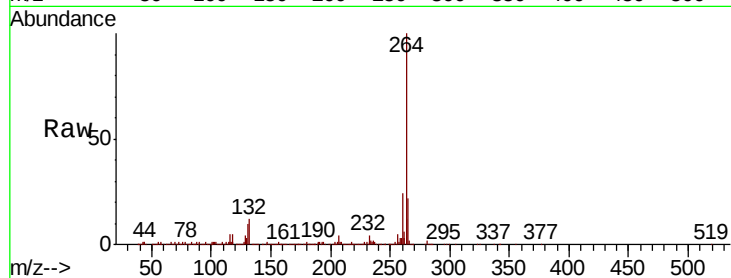




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.89 min Scan# 3711
Delta R.T. -0.01 min
Lab File: BG044851.D
Acq: 18 Mar 2020 3:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.1	27.1
265	22.2	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

