

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031320\
 Data File : BG044796.D
 Acq On : 14 Mar 2020 13:05
 Operator : CG/JU
 Sample : L1826-04
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MC5B42

Quant Time: Mar 16 01:36:11 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 10 16:27:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	107362	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	438919	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	300099	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	625984	20.00	ng	0.00
76) Chrysene-d12	21.70	240	537981	20.00	ng	-0.01
87) Perylene-d12	24.91	264	594789	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.63	112	807034	117.02	ng	0.00
7) Phenol-d6	7.21	99	1059697	105.75	ng	0.00
23) Nitrobenzene-d5	9.21	82	869026	86.88	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	511065	130.06	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1750396	83.53	ng	0.00
79) Terphenyl-d14	20.04	244	2421107	84.18	ng	0.00

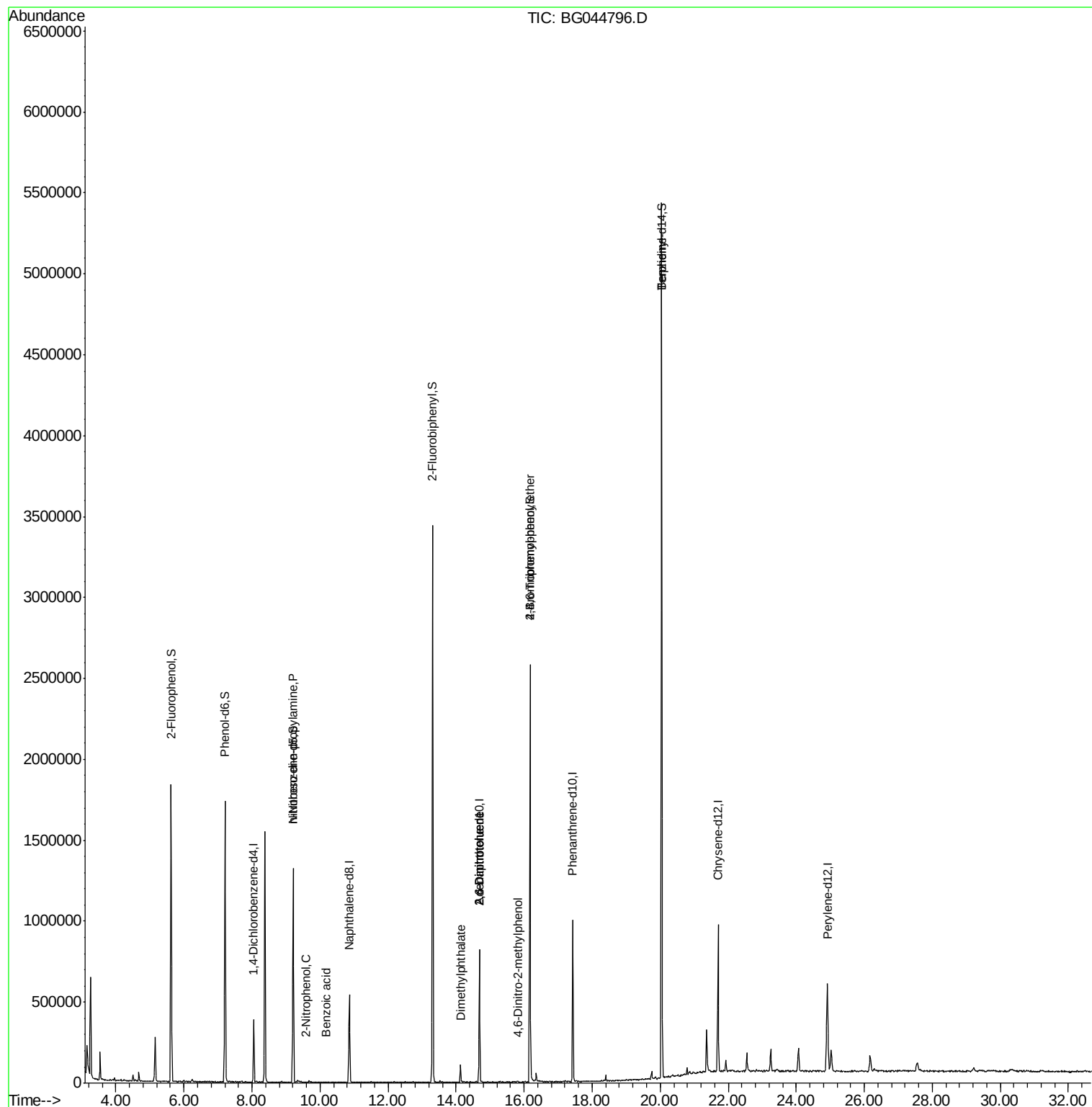
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.21	77	2405	Below Cal	#	6
19) n-Nitroso-di-n-propylamine	9.20	70	120075	16.97	ng	73
26) 2-Nitrophenol	9.57	139	58	5.53	ng	28
32) Benzoic acid	10.18	122	53	9.68	ng	1
50) Dimethylphthalate	14.13	163	75459	3.16	ng	95
51) 2,6-Dinitrotoluene	14.68	165	38602	8.01	ng	19
57) 2,4-Dinitrotoluene	14.68	165	38602	5.84	ng	16
65) 4,6-Dinitro-2-methylphenol	15.81	198	74	7.75	ng	34
67) 4-Bromophenyl-phenylether	16.17	248	37187	4.75	ng	1
77) Benzidine	20.04	184	47810	2.74	ng	92

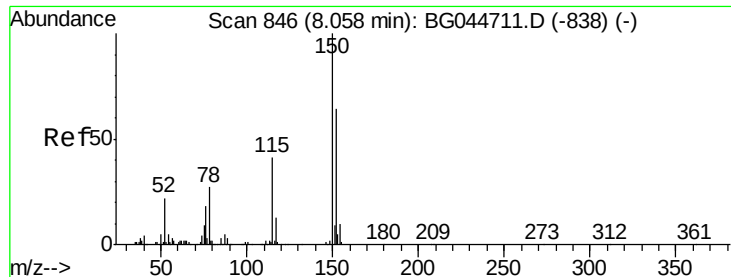
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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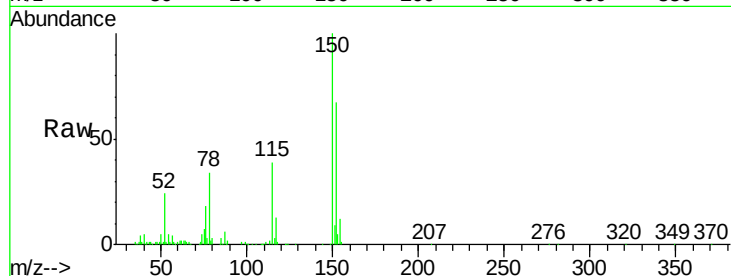


#1

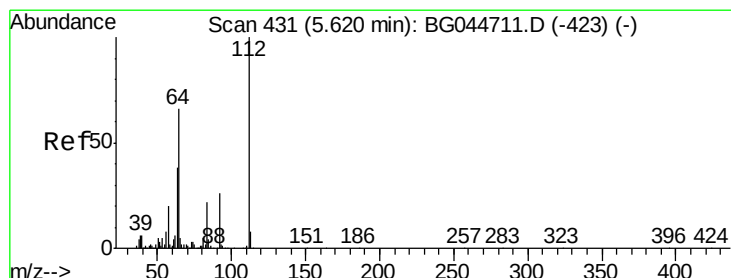
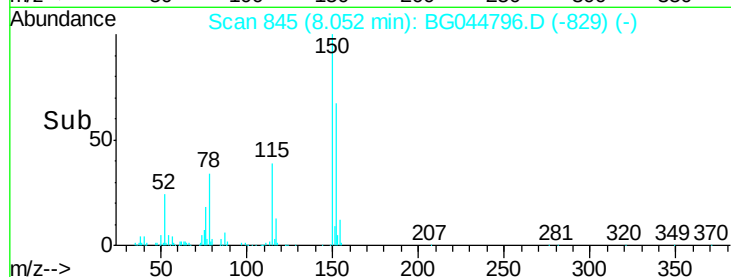
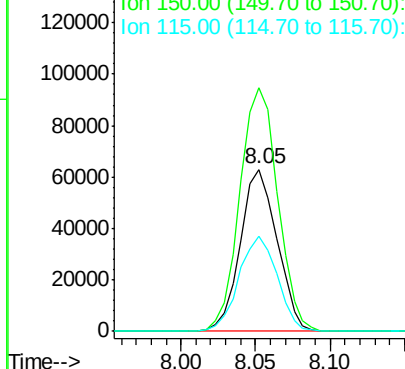
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG044796.D
Acq: 14 Mar 2020 13:05

Instrument :
BNA_G
ClientSampleId :
MC5B42

Tgt Ion:152 Resp: 107362
Ion Ratio Lower Upper
152 100
150 150.0 125.3 187.9
115 58.5 51.7 77.5



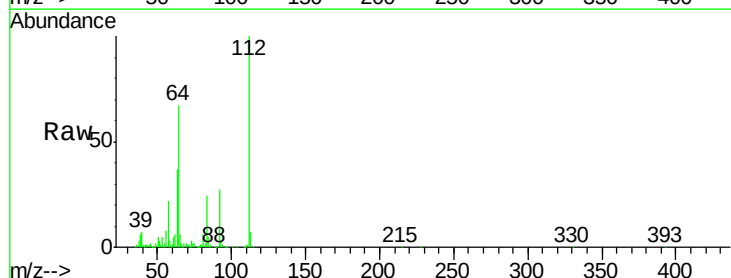
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



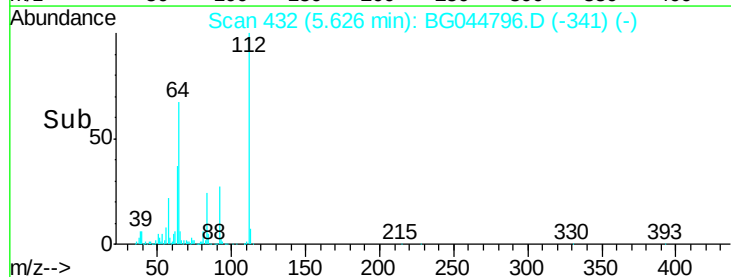
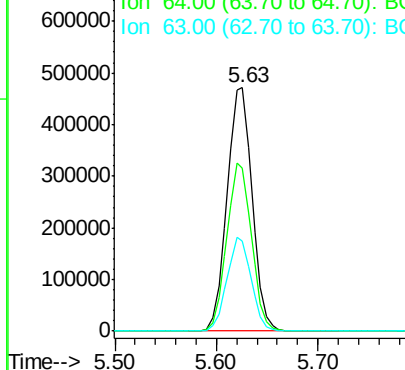
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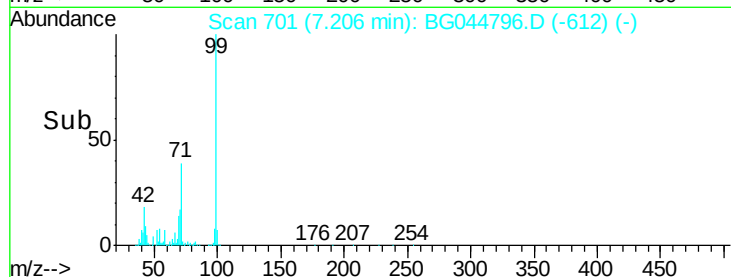
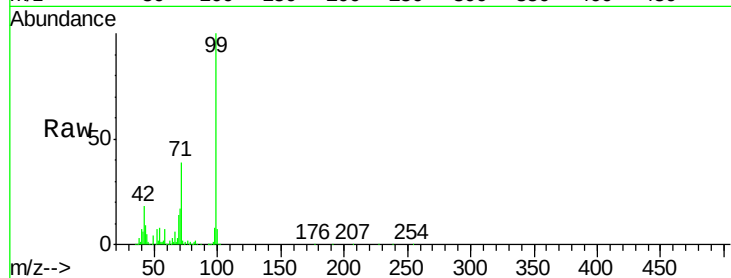
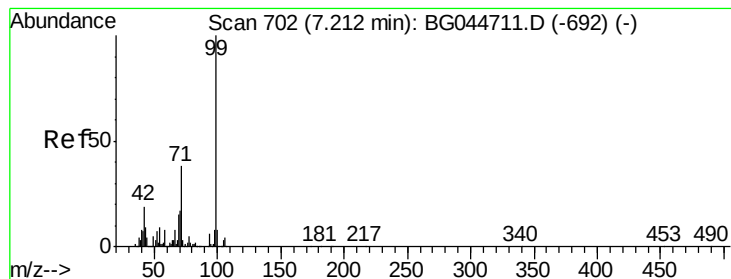
2-Fluorophenol
Concen: 117.02 ng
RT: 5.63 min Scan# 432
Delta R.T. 0.01 min
Lab File: BG044796.D
Acq: 14 Mar 2020 13:05

Tgt Ion:112 Resp: 807034
Ion Ratio Lower Upper
112 100
64 67.0 52.6 78.8
63 37.1 30.2 45.4



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





#7

Phenol-d6

Concen: 105.75 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.01 min

Lab File: BG044796.D

Acq: 14 Mar 2020 13:05

Instrument :

BNA_G

ClientSampleId :

MC5B42

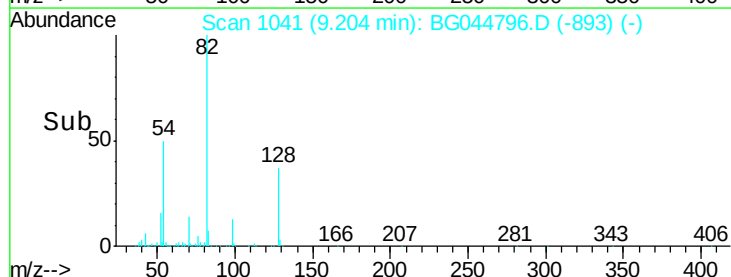
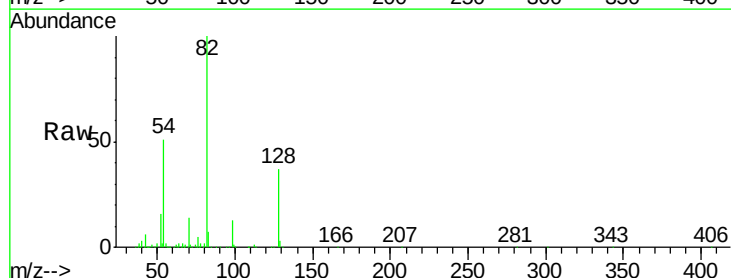
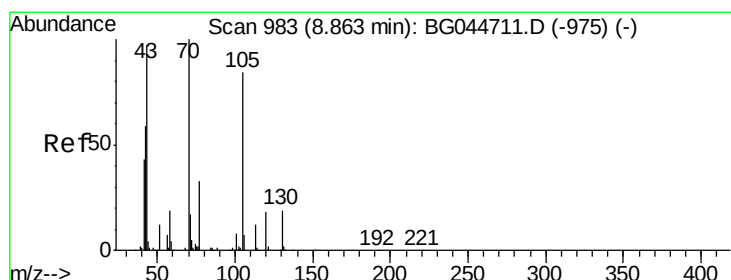
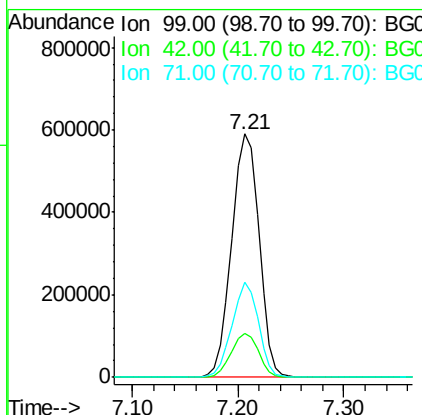
Tgt Ion: 99 Resp: 1059697

Ion Ratio Lower Upper

99 100

42 18.0 15.4 23.0

71 39.1 30.2 45.4



#19

n-Nitroso-di-n-propylamine

Concen: 16.97 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.34 min

Lab File: BG044796.D

Acq: 14 Mar 2020 13:05

Tgt Ion: 70 Resp: 120075

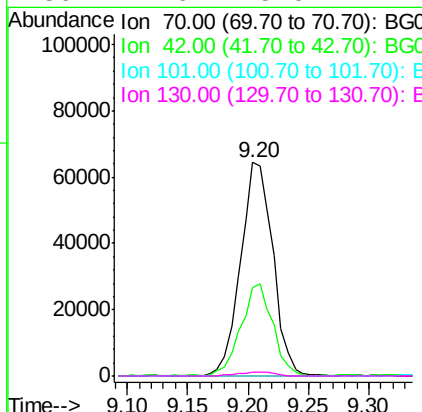
Ion Ratio Lower Upper

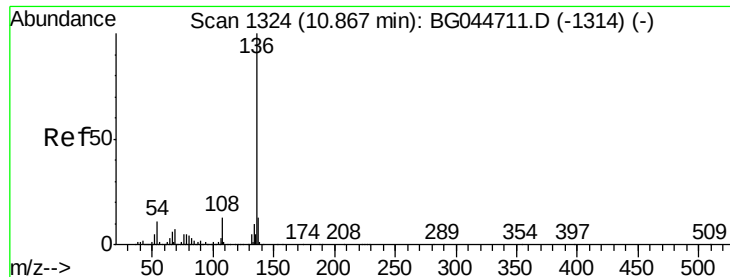
70 100

42 41.6 47.6 71.4#

101 0.0 6.5 9.7#

130 1.6 15.0 22.4#

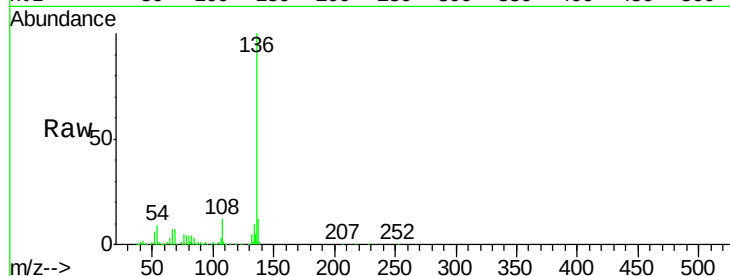




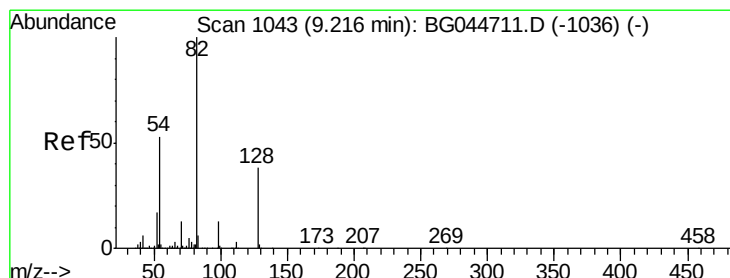
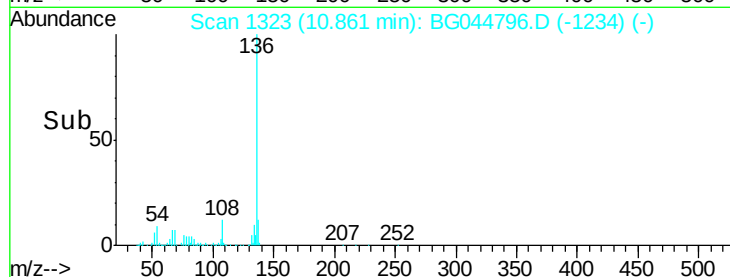
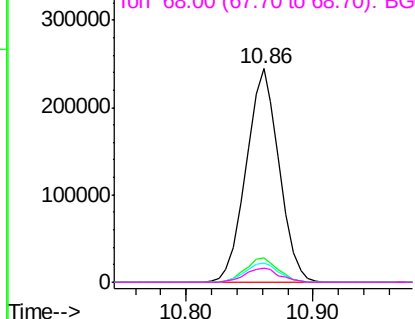
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BG044796.D
Acq: 14 Mar 2020 13:05

Instrument :
BNA_G
ClientSampleId :
MC5B42

Tgt Ion:	136	Resp:	438919
Ion	Ratio	Lower	Upper
136	100		
137	11.7	10.7	16.1
54	9.2	9.0	13.4
68	6.9	5.9	8.9

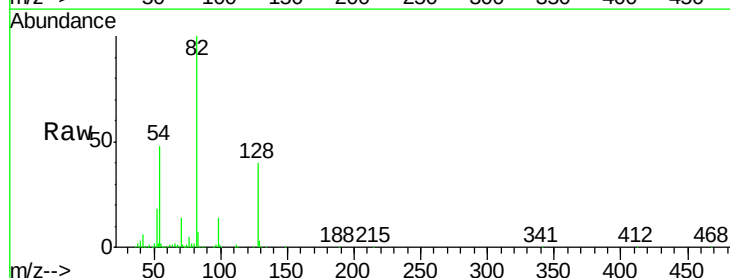


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

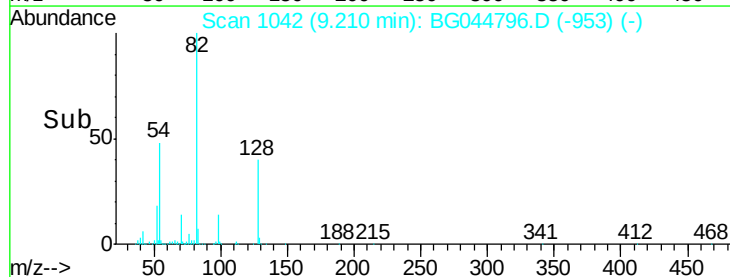
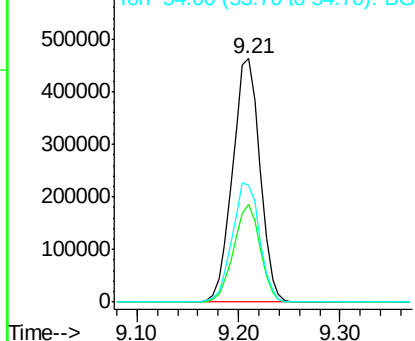


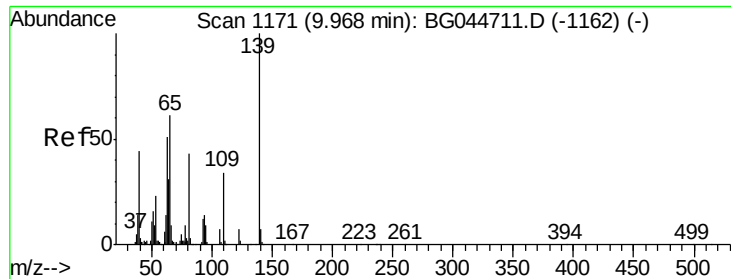
#23
Nitrobenzene-d5
Concen: 86.88 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BG044796.D
Acq: 14 Mar 2020 13:05

Tgt Ion:	82	Resp:	869026
Ion	Ratio	Lower	Upper
82	100		
128	40.3	30.2	45.2
54	47.9	41.8	62.8



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

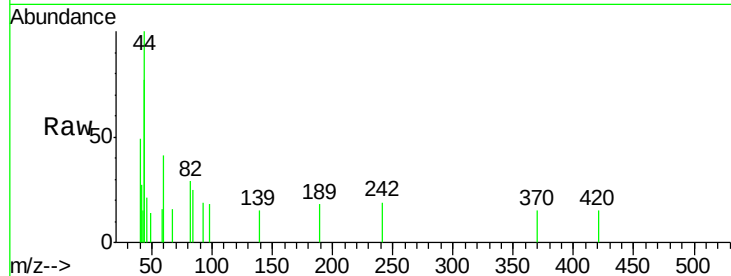




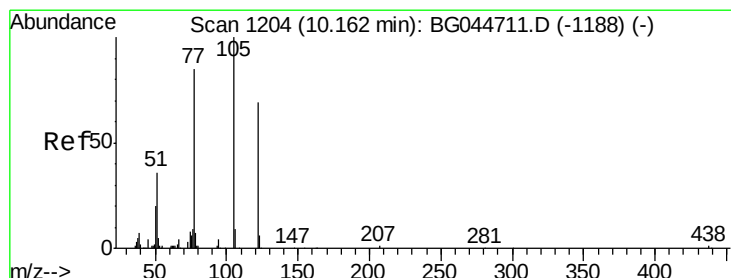
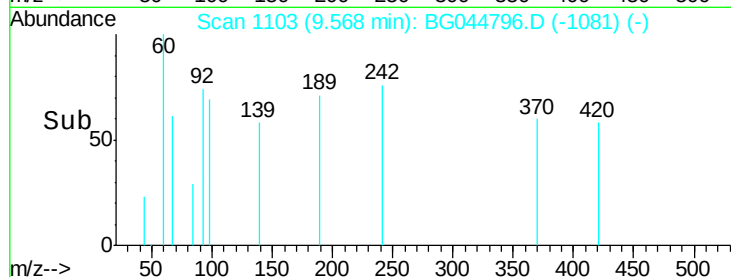
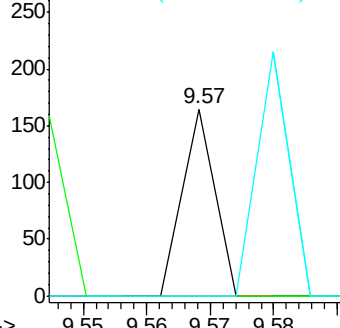
#26
2-Nitrophenol
Concen: 5.53 ng
RT: 9.57 min Scan# 1103
Delta R.T. -0.40 min
Lab File: BG044796.D
Acq: 14 Mar 2020 13:05

Instrument :
BNA_G
ClientSampleId :
MC5B42

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	27.0	40.4#
65	0.0	48.6	73.0#

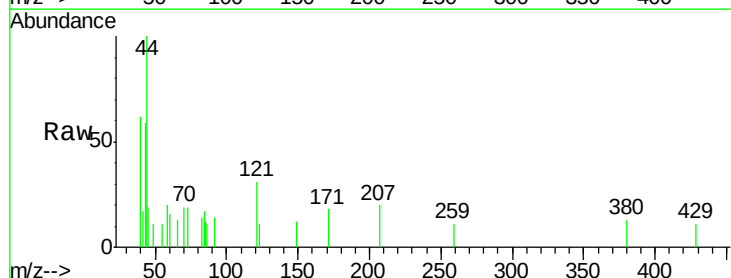


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

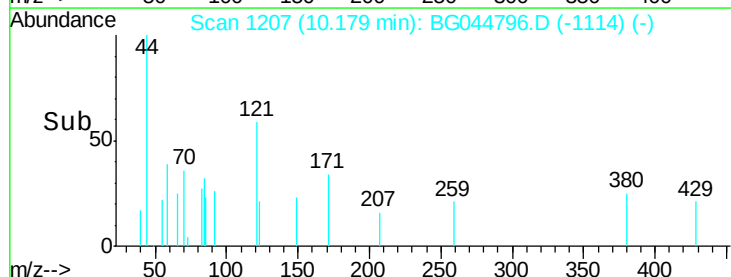
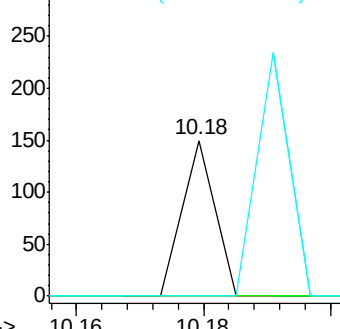


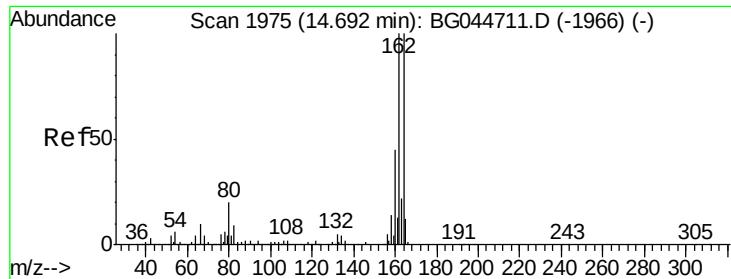
#32
Benzoic acid
Concen: 9.68 ng
RT: 10.18 min Scan# 1207
Delta R.T. 0.02 min
Lab File: BG044796.D
Acq: 14 Mar 2020 13:05

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	119.0	159.0#
77	0.0	96.4	136.4#



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: 14.69 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BG044796.D

Acq: 14 Mar 2020 13:05

Instrument :

BNA_G

ClientSampleId :

MC5B42

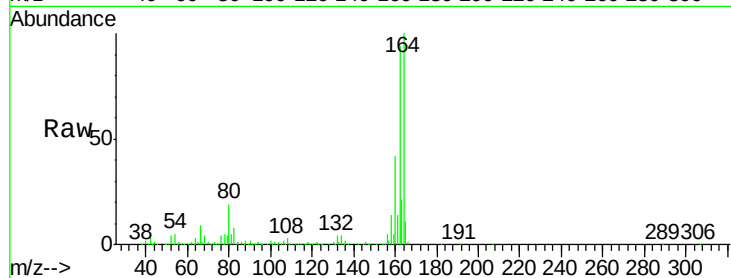
Tgt Ion:164 Resp: 300099

Ion Ratio Lower Upper

164 100

162 94.1 80.2 120.4

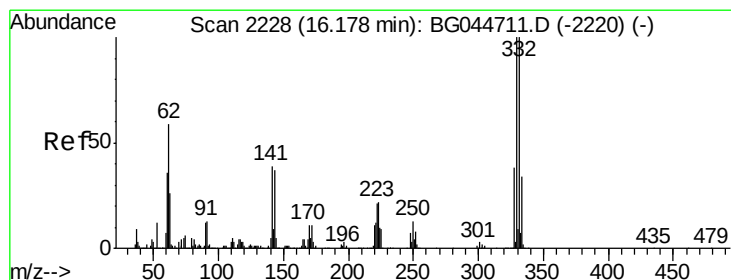
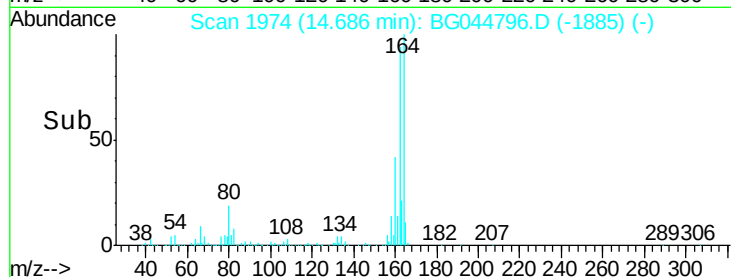
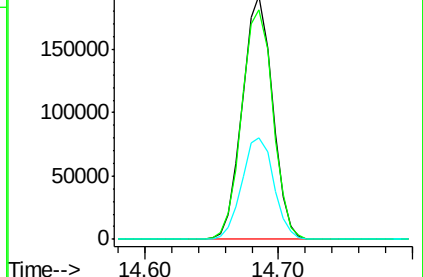
160 41.6 36.2 54.2



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: 130.06 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.01 min

Lab File: BG044796.D

Acq: 14 Mar 2020 13:05

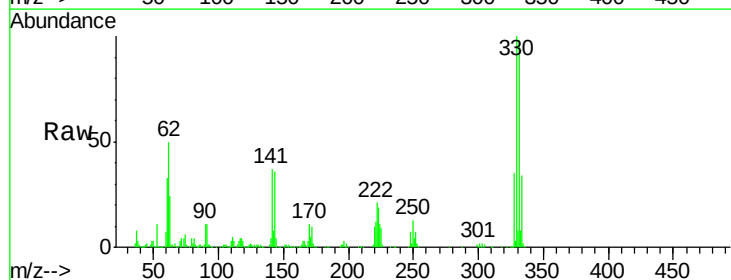
Tgt Ion:330 Resp: 511065

Ion Ratio Lower Upper

330 100

332 95.5 77.5 116.3

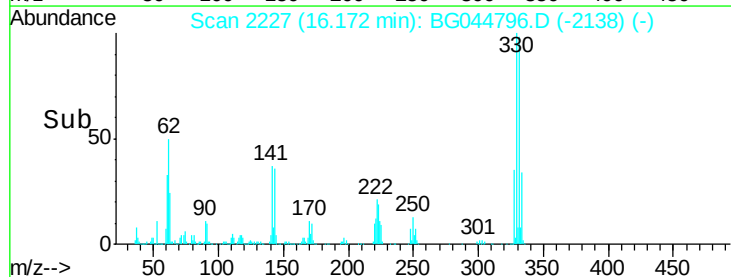
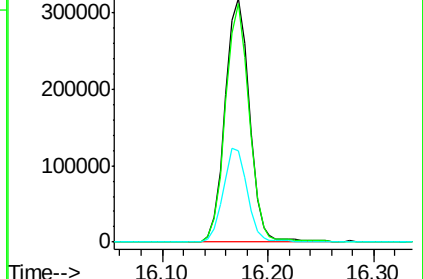
141 38.1 31.7 47.5

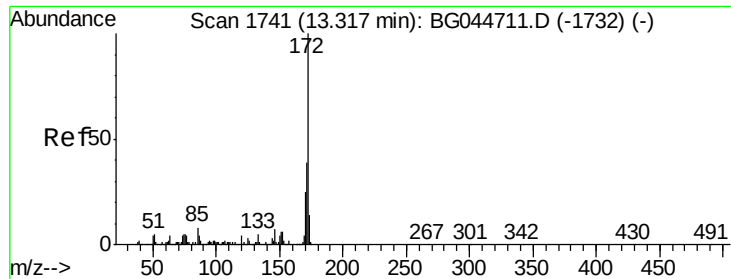


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

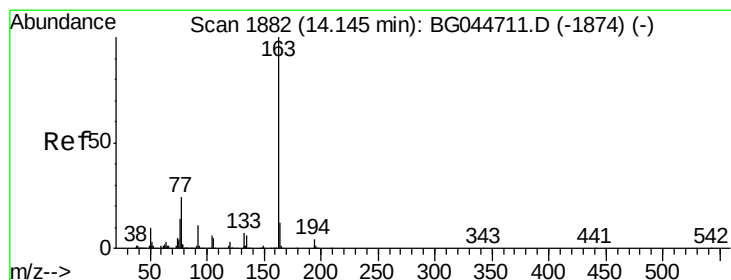
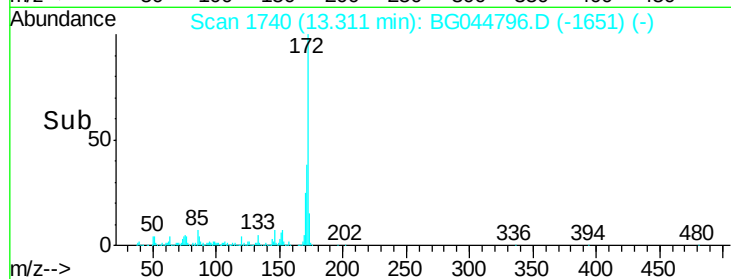
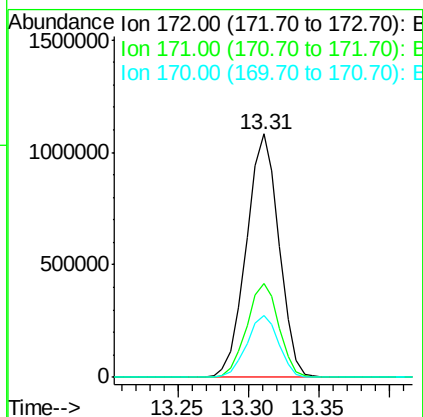
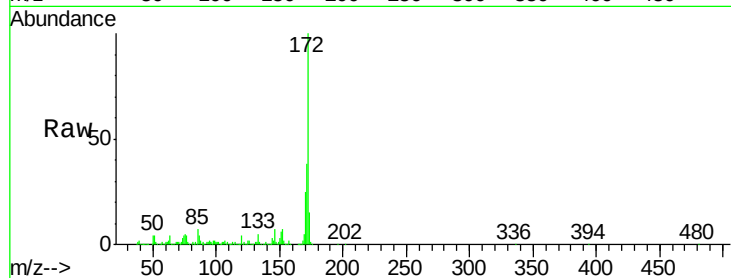




#45
 2-Fluorobiphenyl
 Concen: 83.53 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: BG044796.D
 Acq: 14 Mar 2020 13:05

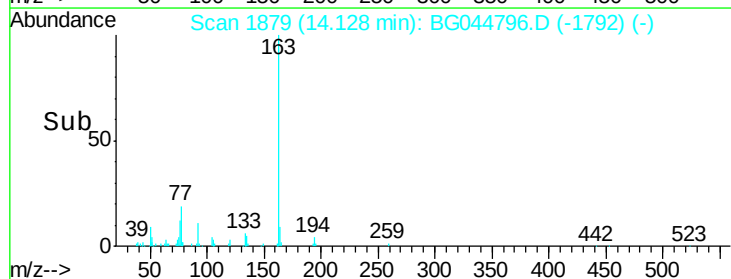
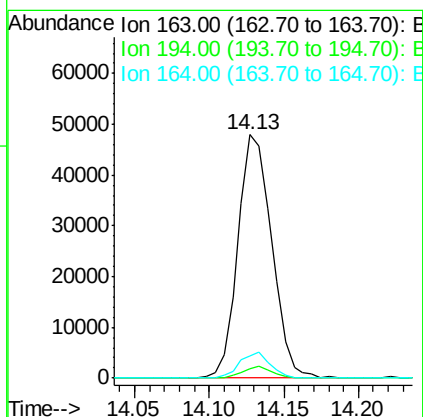
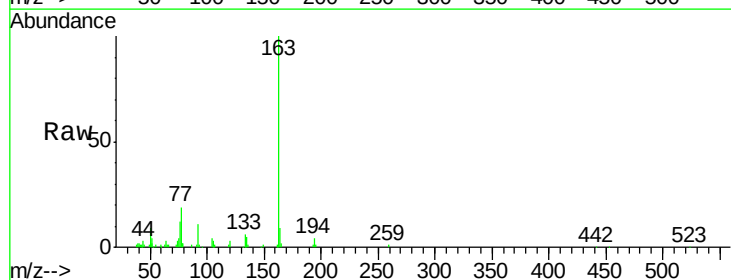
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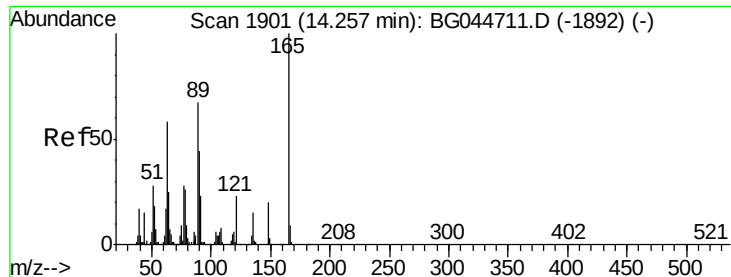
Tgt Ion:172 Resp: 1750396
 Ion Ratio Lower Upper
 172 100
 171 38.4 30.8 46.2
 170 25.5 20.0 30.0



#50
 Dimethylphthalate
 Concen: 3.16 ng
 RT: 14.13 min Scan# 1879
 Delta R.T. -0.02 min
 Lab File: BG044796.D
 Acq: 14 Mar 2020 13:05

Tgt Ion:163 Resp: 75459
 Ion Ratio Lower Upper
 163 100
 194 3.9 3.5 5.3
 164 9.1 9.2 13.8#

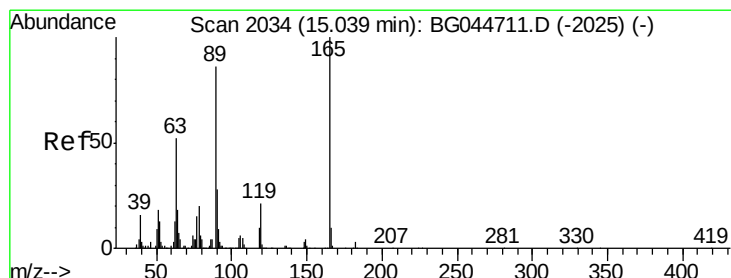
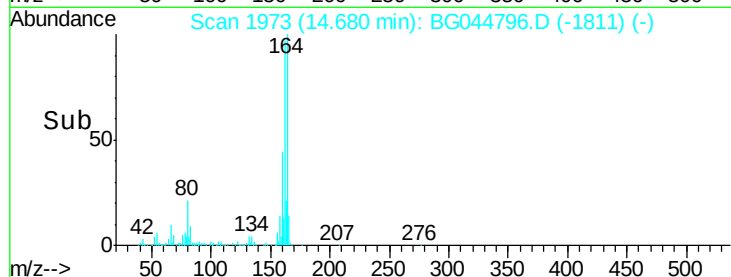
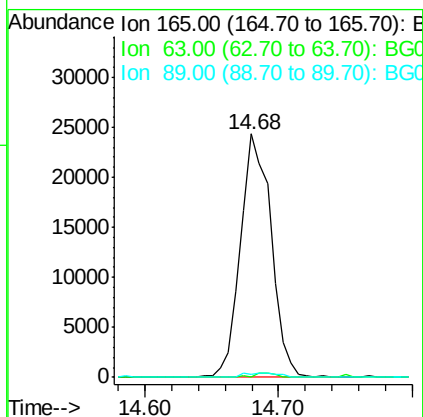
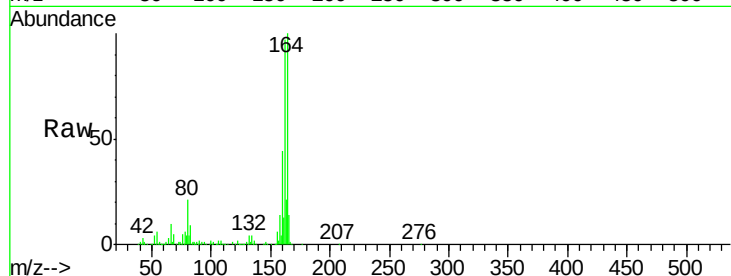




#51
2,6-Dinitrotoluene
Concen: 8.01 ng
RT: 14.68 min Scan# 1973
Delta R.T. 0.42 min
Lab File: BG044796.D
Acq: 14 Mar 2020 13:05

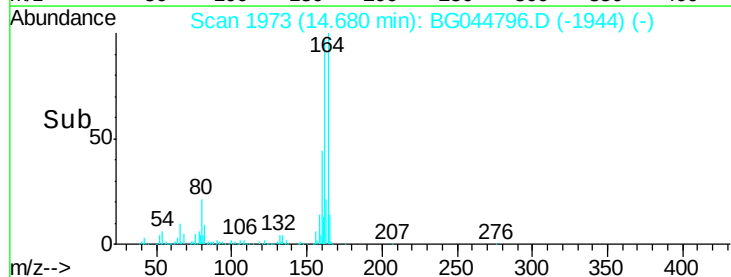
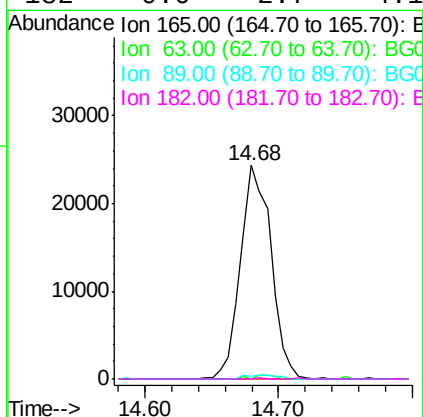
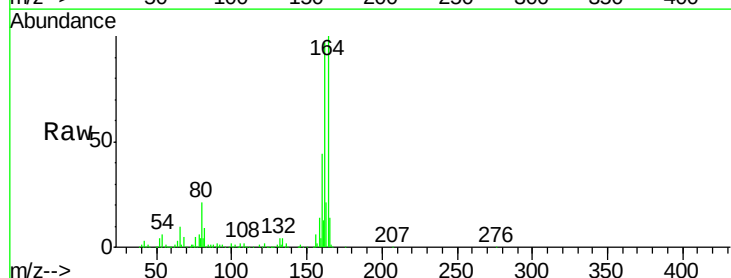
Instrument :
BNA_G
ClientSampleId :
MC5B42

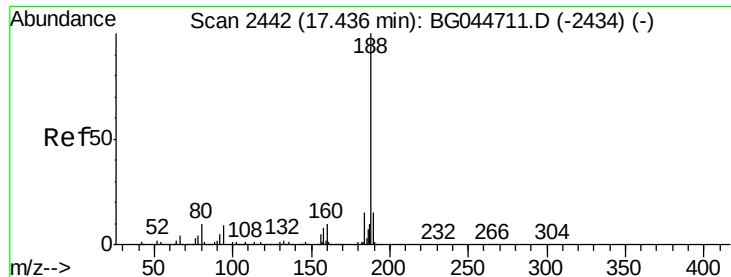
Tgt Ion:165 Resp: 38602
Ion Ratio Lower Upper
165 100
63 0.0 48.9 73.3#
89 1.4 53.8 80.8#



#57
2,4-Dinitrotoluene
Concen: 5.84 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.36 min
Lab File: BG044796.D
Acq: 14 Mar 2020 13:05

Tgt Ion:165 Resp: 38602
Ion Ratio Lower Upper
165 100
63 0.0 41.5 62.3#
89 1.4 69.0 103.4#
182 0.0 2.7 4.1#





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.43 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BG044796.D

Acq: 14 Mar 2020 13:05

Instrument :

BNA_G

ClientSampleId :

MC5B42

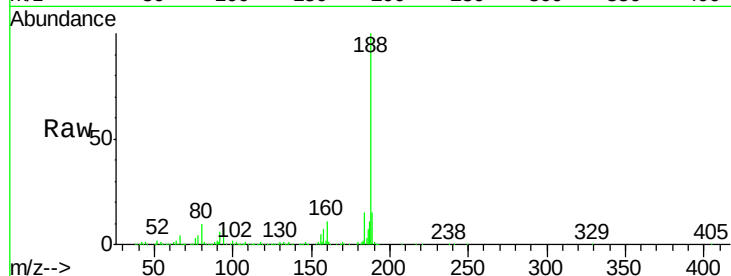
Tgt Ion:188 Resp: 625984

Ion Ratio Lower Upper

188 100

94 7.8 7.0 10.6

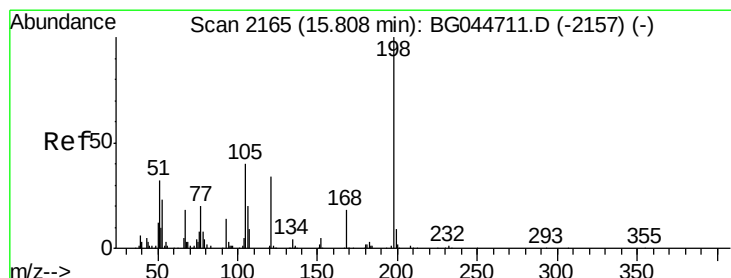
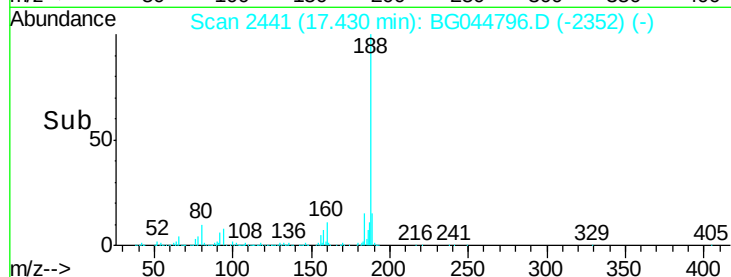
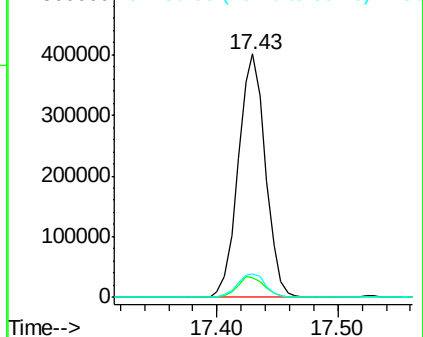
80 9.6 8.4 12.6



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: 7.75 ng

RT: 15.81 min Scan# 2165

Delta R.T. -0.00 min

Lab File: BG044796.D

Acq: 14 Mar 2020 13:05

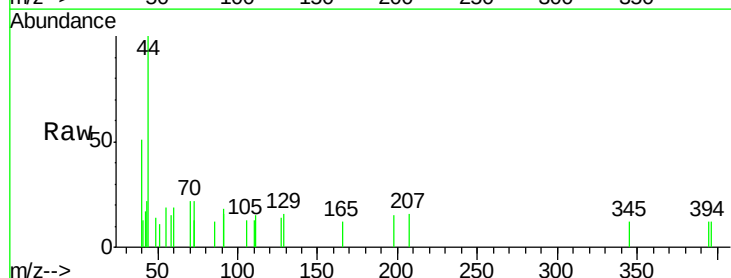
Tgt Ion:198 Resp: 74

Ion Ratio Lower Upper

198 100

51 77.1 20.1 60.1#

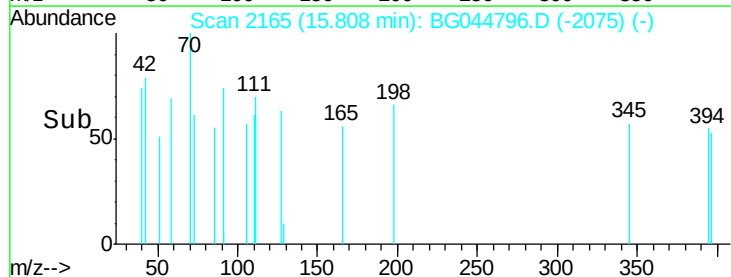
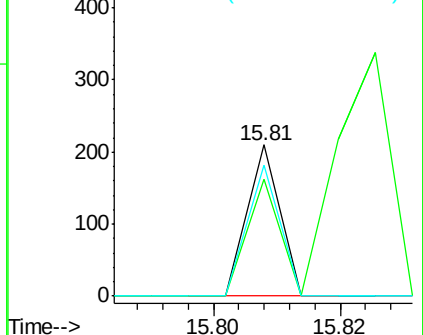
105 86.2 21.3 61.3#

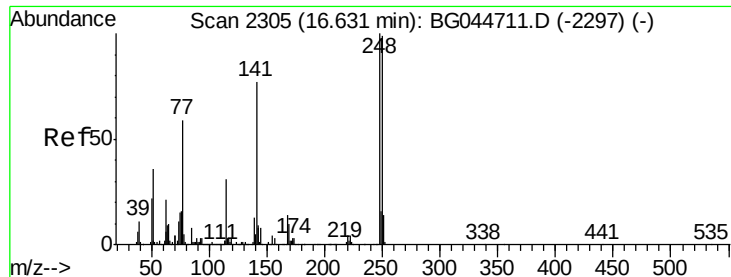


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

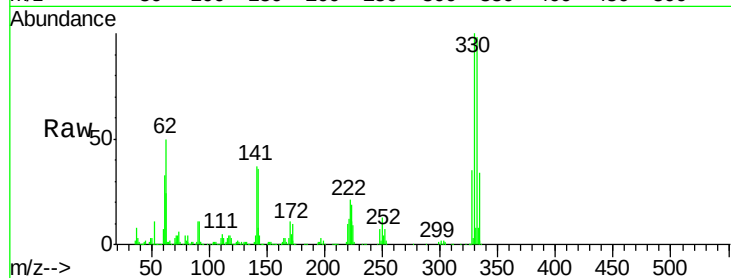




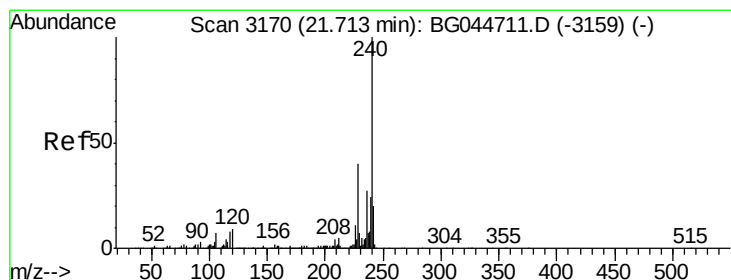
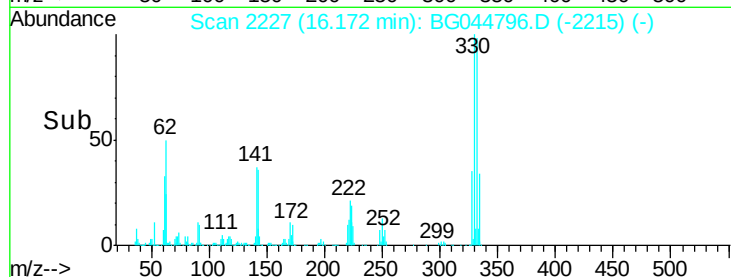
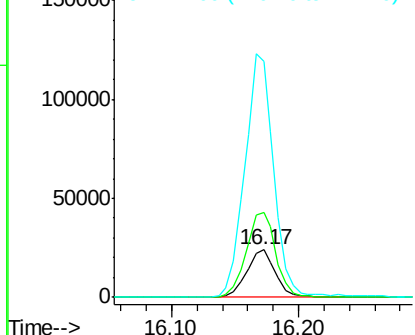
#67
4-Bromophenyl-phenylether
Concen: 4.75 ng
RT: 16.17 min Scan# 2227
Delta R.T. -0.46 min
Lab File: BG044796.D
Acq: 14 Mar 2020 13:05

Instrument :
BNA_G
ClientSampleId :
MC5B42

Tgt Ion:248 Resp: 37187
Ion Ratio Lower Upper
248 100
250 179.1 79.4 119.0#
141 497.7 61.7 92.5#

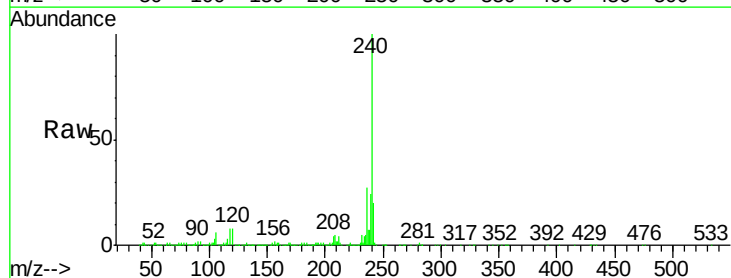


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

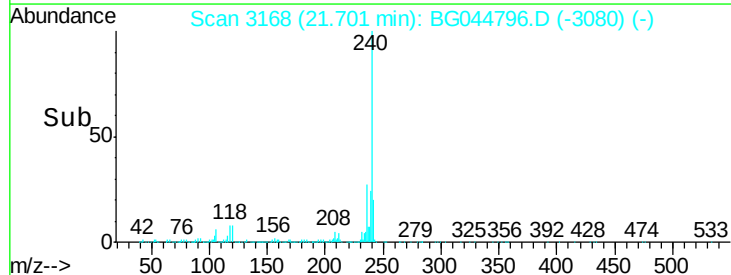
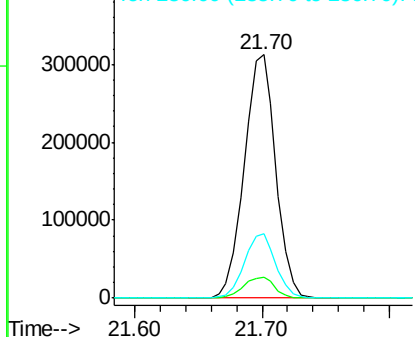


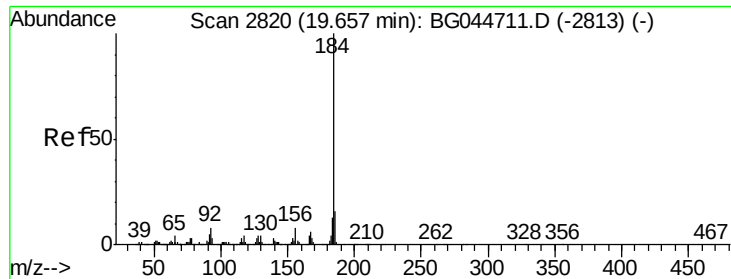
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.70 min Scan# 3168
Delta R.T. -0.01 min
Lab File: BG044796.D
Acq: 14 Mar 2020 13:05

Tgt Ion:240 Resp: 537981
Ion Ratio Lower Upper
240 100
120 8.4 6.9 10.3
236 26.5 21.9 32.9



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: 2.74 ng

RT: 20.04 min Scan# 2886

Delta R.T. 0.39 min

Lab File: BG044796.D

Acq: 14 Mar 2020 13:05

Instrument :

BNA_G

ClientSampleId :

MC5B42

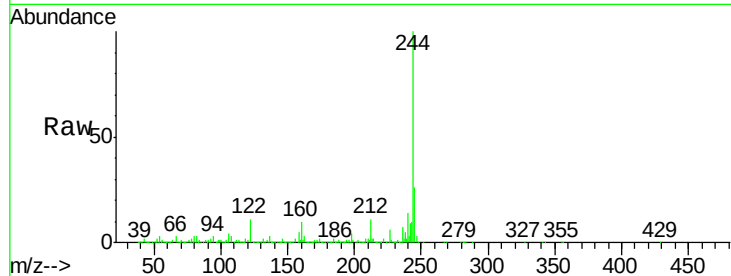
Tgt Ion:184 Resp: 47810

Ion Ratio Lower Upper

184 100

185 14.2 12.9 19.3

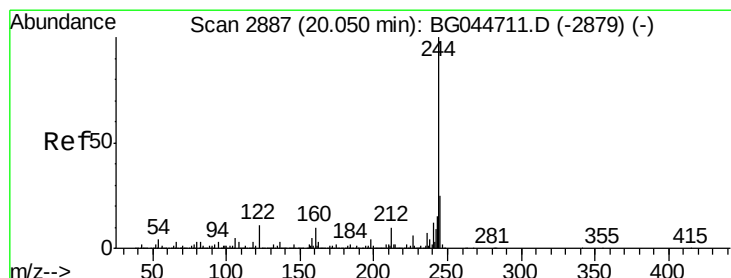
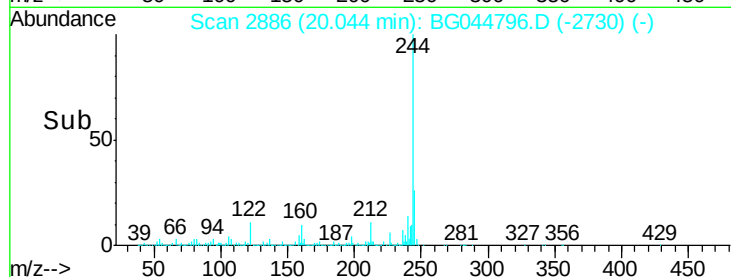
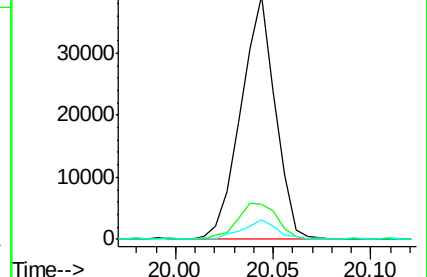
183 8.3 10.6 15.8#



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: 84.18 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.01 min

Lab File: BG044796.D

Acq: 14 Mar 2020 13:05

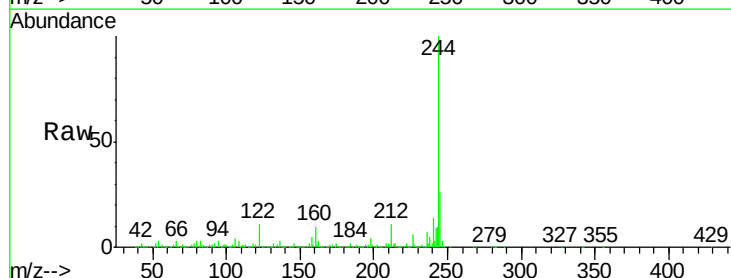
Tgt Ion:244 Resp: 2421107

Ion Ratio Lower Upper

244 100

212 10.5 8.4 12.6

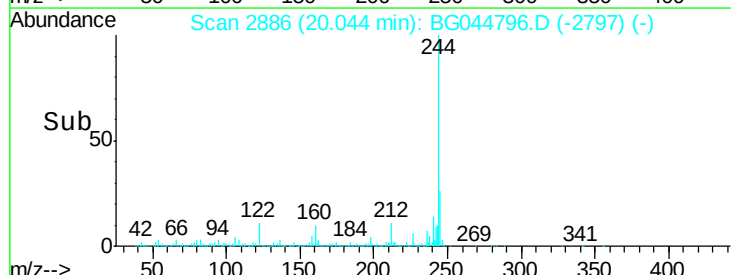
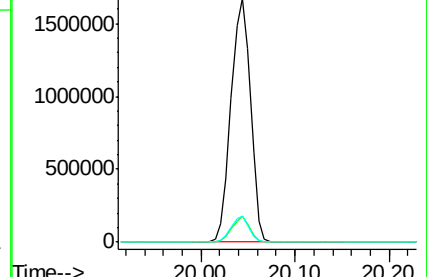
122 10.7 8.7 13.1

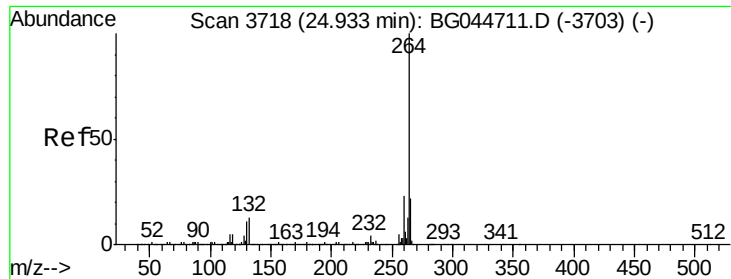


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

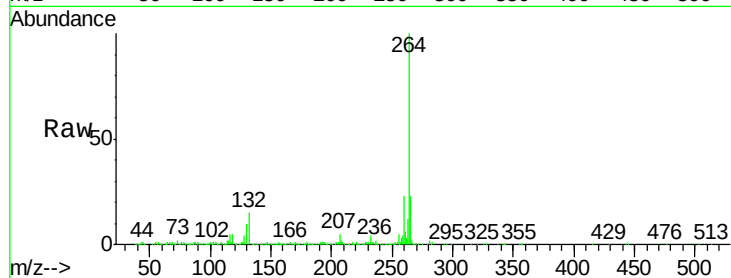




#87
Perylene-d12
Concen: 20.00 ng
RT: 24.91 min Scan# 3715
Delta R.T. -0.02 min
Lab File: BG044796.D
Acq: 14 Mar 2020 13:05

Instrument :
BNA_G
ClientSampleId :
MC5B42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.4	27.6
265	23.3	17.4	26.2



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

