

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031320\
 Data File : BG044793.D
 Acq On : 14 Mar 2020 11:07
 Operator : CG/JU
 Sample : L1762-15
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-031220

Quant Time: Mar 16 01:35:26 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	112802	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	476327	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	316569	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	647933	20.00	ng	0.00
76) Chrysene-d12	21.70	240	545512	20.00	ng	-0.02
87) Perylene-d12	24.91	264	601585	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.63	112	821790	113.41	ng	0.00
7) Phenol-d6	7.21	99	1059708	100.65	ng	0.00
23) Nitrobenzene-d5	9.21	82	895680	82.51	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	517390	124.82	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1785958	80.79	ng	0.00
79) Terphenyl-d14	20.04	244	2439886	83.66	ng	0.00

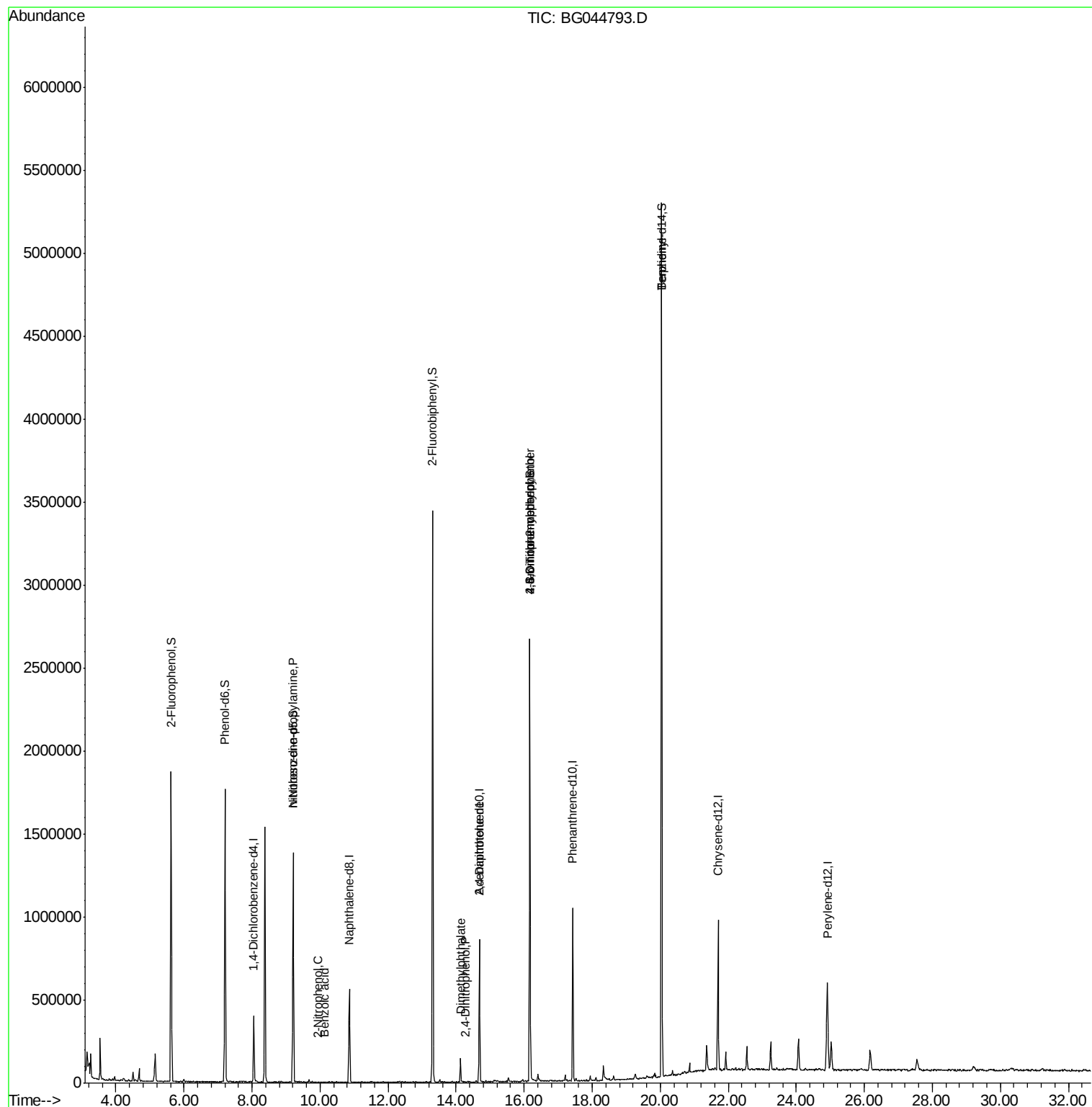
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.20	77	2254	Below Cal	#	23
19) n-Nitroso-di-n-propylamine	9.21	70	127062	17.09	ng	69
26) 2-Nitrophenol	9.95	139	58	5.53	ng	28
32) Benzoic acid	10.14	122	86	9.68	ng	1
50) Dimethylphthalate	14.13	163	91326	3.62	ng	98
54) 2,4-Dinitrophenol	14.27	184	55	8.34	ng	2
57) 2,4-Dinitrotoluene	14.69	165	41655	5.98	ng	18
65) 4,6-Dinitro-2-methylphenol	16.17	198	1958	8.27	ng	1
67) 4-Bromophenyl-phenylether	16.17	248	36484	4.50	ng	1
77) Benzidine	20.04	184	48536	2.74	ng	90

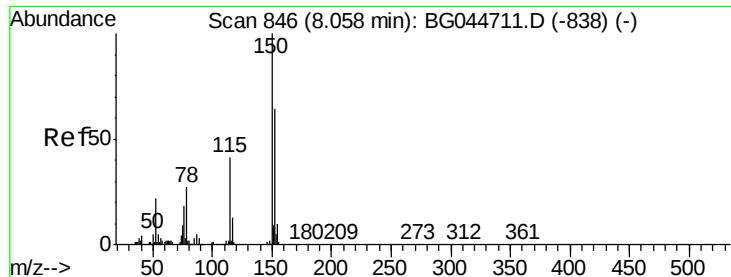
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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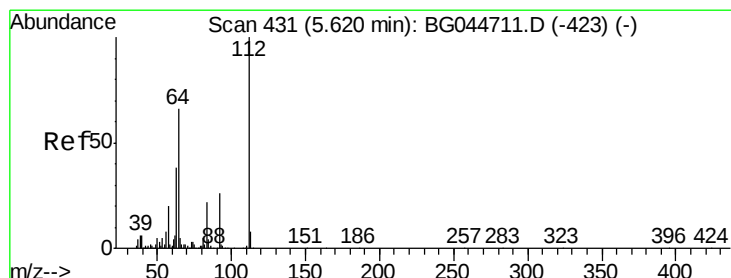
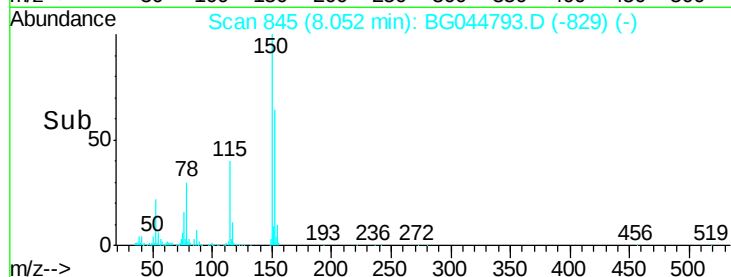
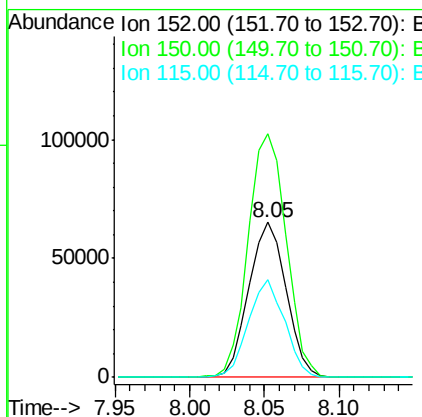
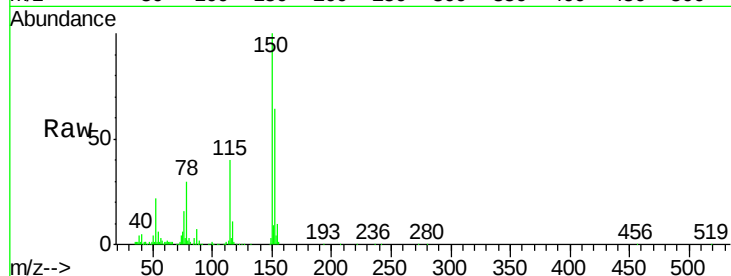


#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.05 min Scan# 845
 Delta R.T. -0.01 min
 Lab File: BG044793.D
 Acq: 14 Mar 2020 11:07

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-031220

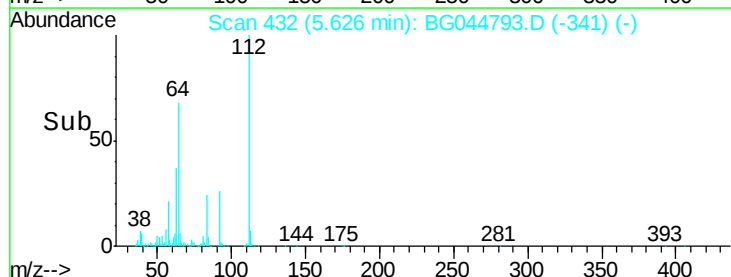
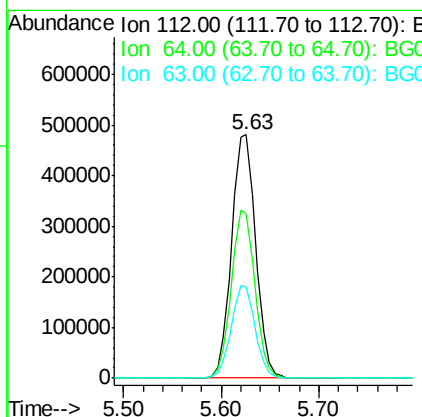
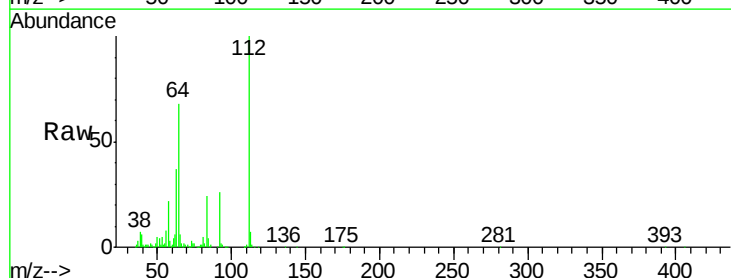
Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.4	125.3	187.9
115	62.8	51.7	77.5

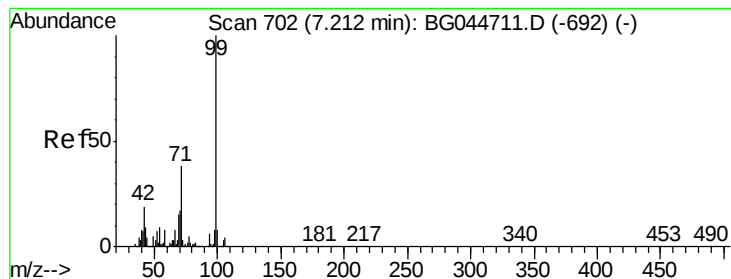


#5

2-Fluorophenol
 Concen: 113.41 ng
 RT: 5.63 min Scan# 432
 Delta R.T. 0.01 min
 Lab File: BG044793.D
 Acq: 14 Mar 2020 11:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.5	52.6	78.8
63	37.3	30.2	45.4





#7

Phenol-d6

Concen: 100.65 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.01 min

Lab File: BG044793.D

Acq: 14 Mar 2020 11:07

Instrument :

BNA_G

ClientSampleId :

TR-04-031220

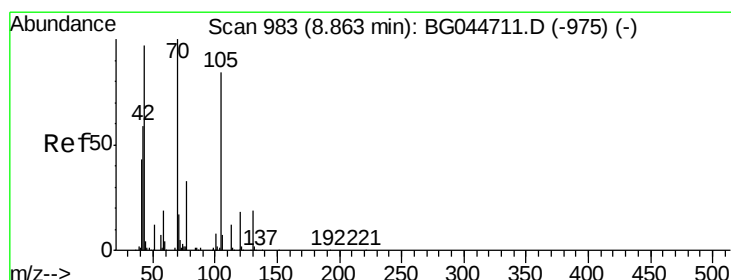
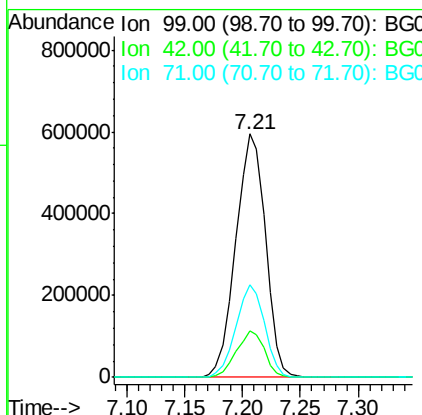
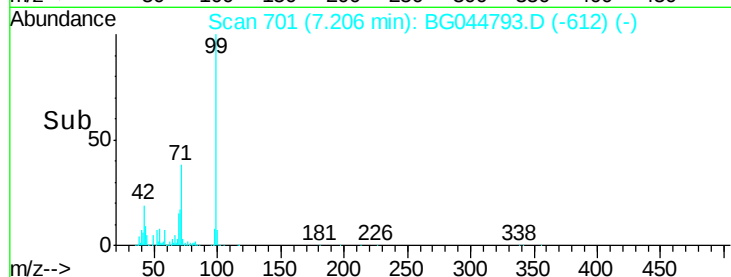
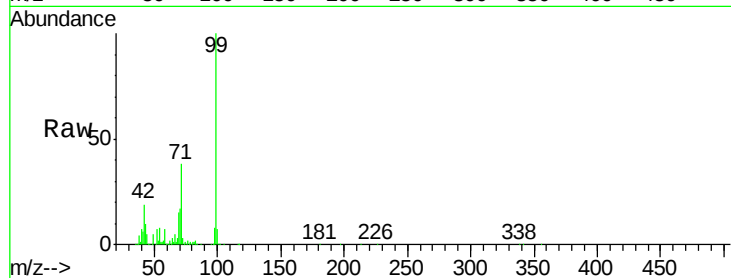
Tgt Ion: 99 Resp: 1059708

Ion Ratio Lower Upper

99 100

42 19.3 15.4 23.0

71 37.8 30.2 45.4



#19

n-Nitroso-di-n-propylamine

Concen: 17.09 ng

RT: 9.21 min Scan# 1042

Delta R.T. 0.35 min

Lab File: BG044793.D

Acq: 14 Mar 2020 11:07

Tgt Ion: 70 Resp: 127062

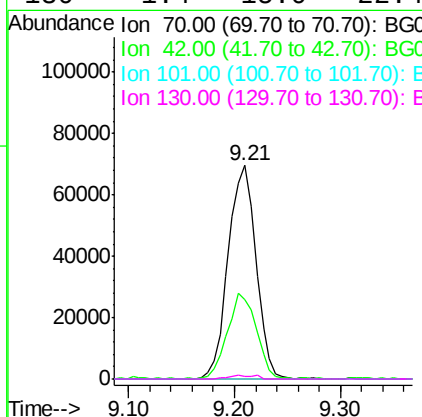
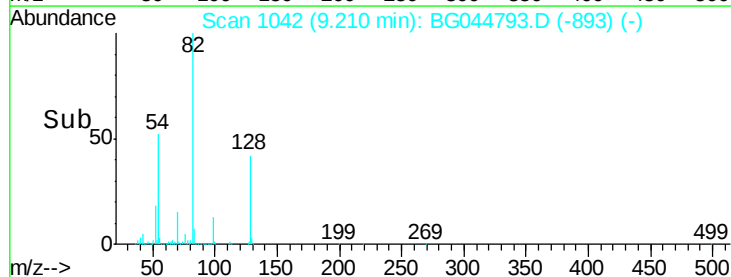
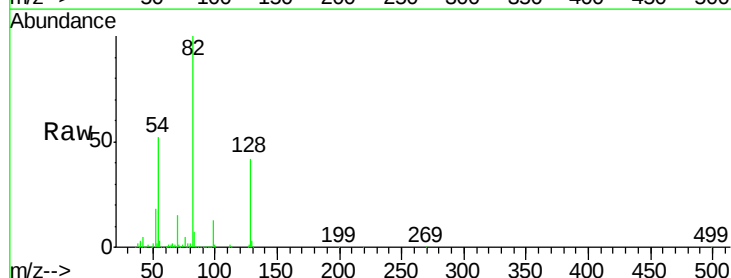
Ion Ratio Lower Upper

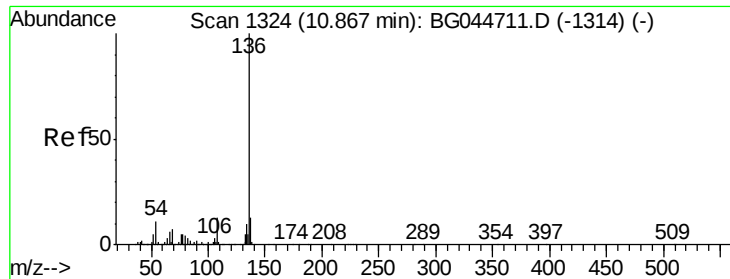
70 100

42 37.2 47.6 71.4#

101 0.0 6.5 9.7#

130 1.4 15.0 22.4#

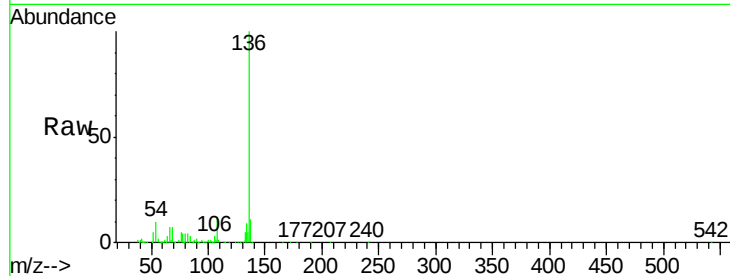




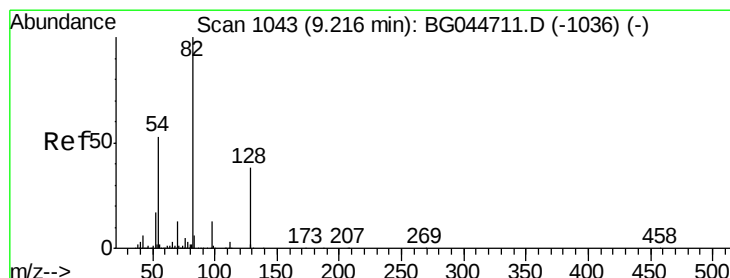
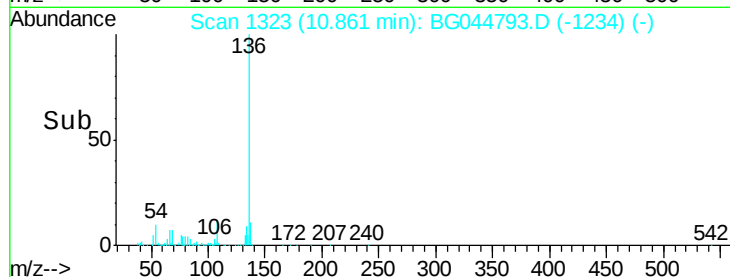
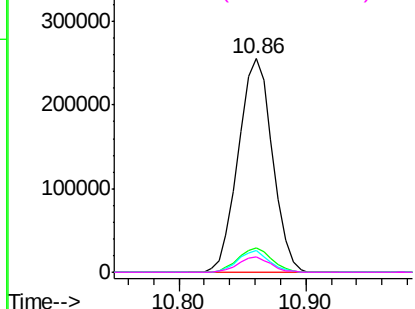
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BG044793.D
Acq: 14 Mar 2020 11:07

Instrument :
BNA_G
ClientSampleId :
TR-04-031220

Tgt Ion:	136	Resp:	476327
Ion	Ratio	Lower	Upper
136	100		
137	11.5	10.7	16.1
54	10.1	9.0	13.4
68	7.1	5.9	8.9

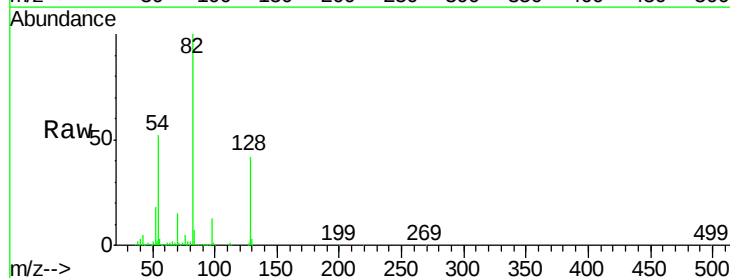


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

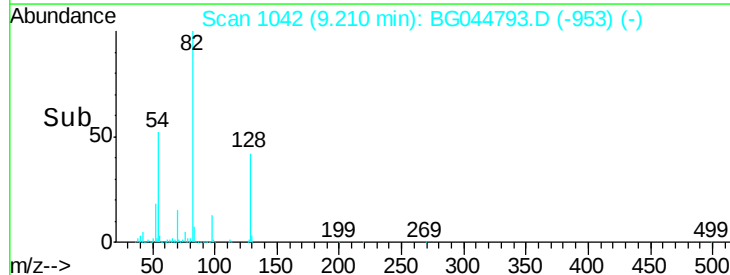
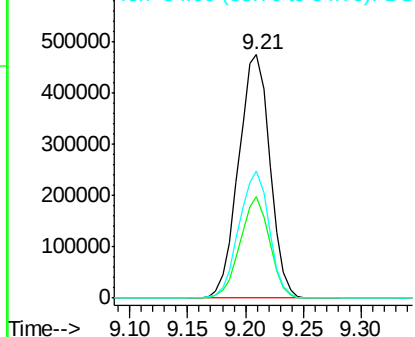


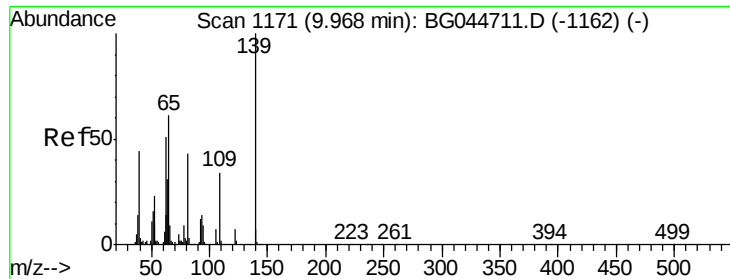
#23
Nitrobenzene-d5
Concen: 82.51 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BG044793.D
Acq: 14 Mar 2020 11:07

Tgt Ion:	82	Resp:	895680
Ion	Ratio	Lower	Upper
82	100		
128	41.7	30.2	45.2
54	52.1	41.8	62.8



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

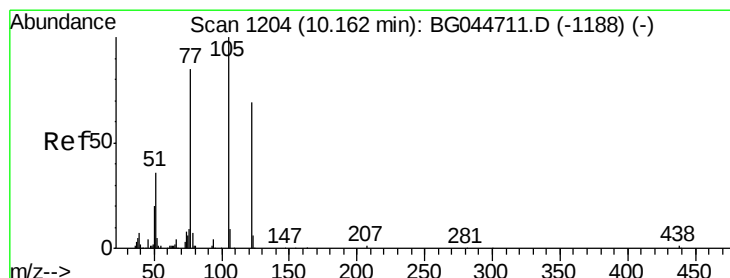
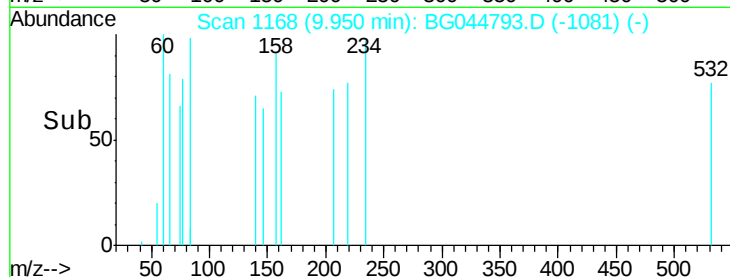
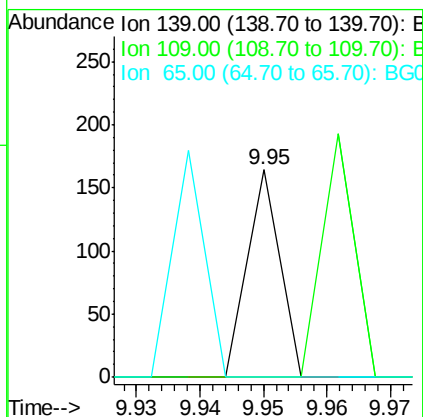
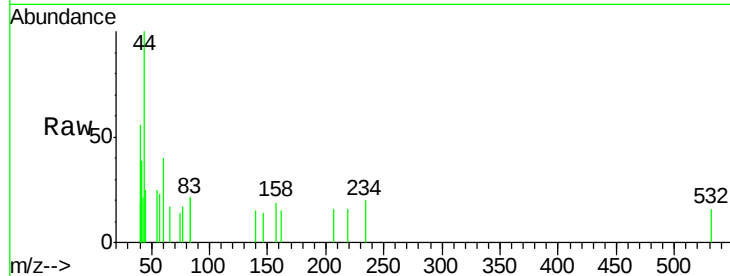




#26
2-Nitrophenol
Concen: 5.53 ng
RT: 9.95 min Scan# 1168
Delta R.T. -0.02 min
Lab File: BG044793.D
Acq: 14 Mar 2020 11:07

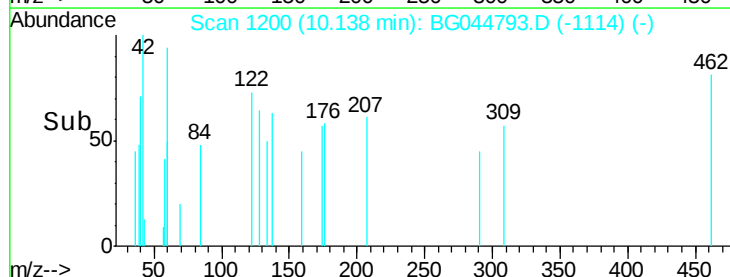
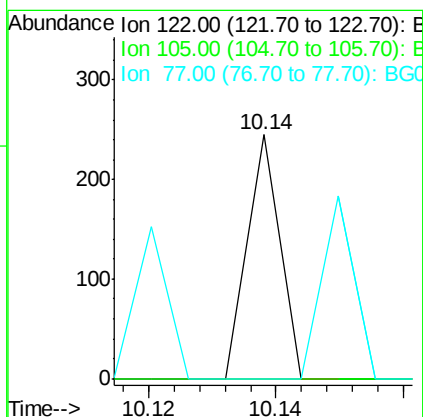
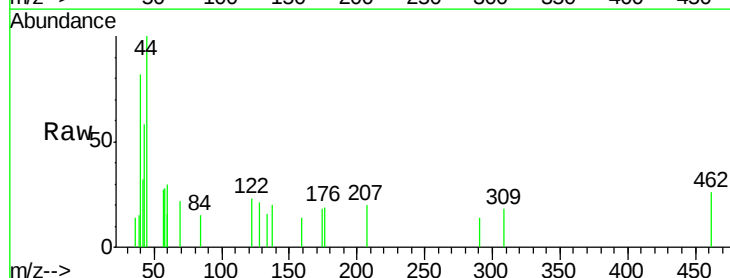
Instrument :
BNA_G
ClientSampleId :
TR-04-031220

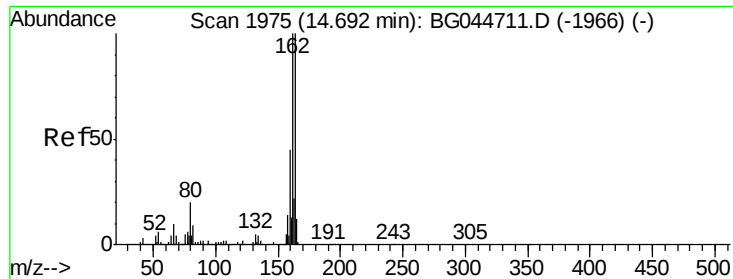
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	27.0	40.4#
65	0.0	48.6	73.0#



#32
Benzoic acid
Concen: 9.68 ng
RT: 10.14 min Scan# 1200
Delta R.T. -0.02 min
Lab File: BG044793.D
Acq: 14 Mar 2020 11:07

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





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BG044793.D

Acq: 14 Mar 2020 11:07

Instrument :

BNA_G

ClientSampleId :

TR-04-031220

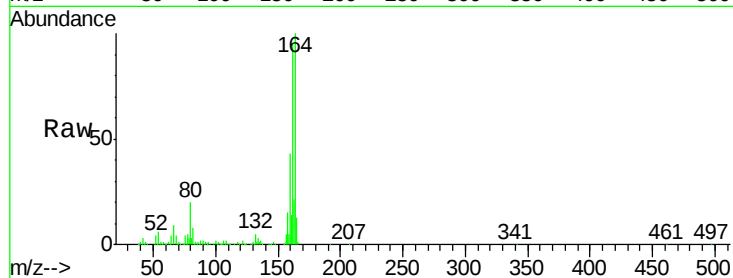
Tgt Ion:164 Resp: 316569

Ion Ratio Lower Upper

164 100

162 95.1 80.2 120.4

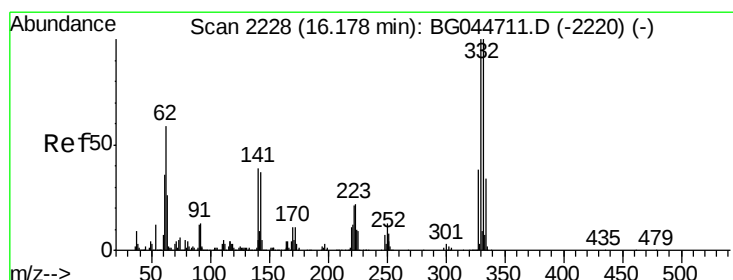
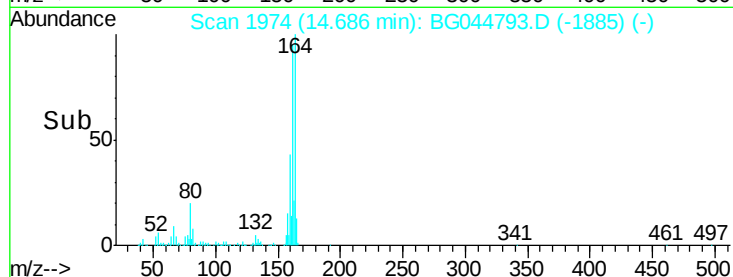
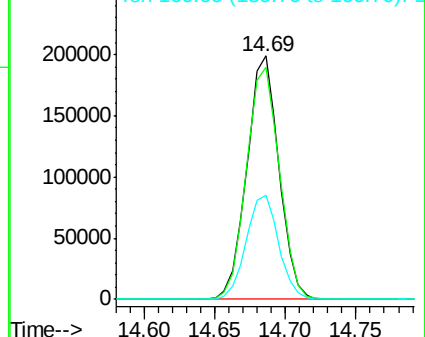
160 42.9 36.2 54.2



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: 124.82 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.01 min

Lab File: BG044793.D

Acq: 14 Mar 2020 11:07

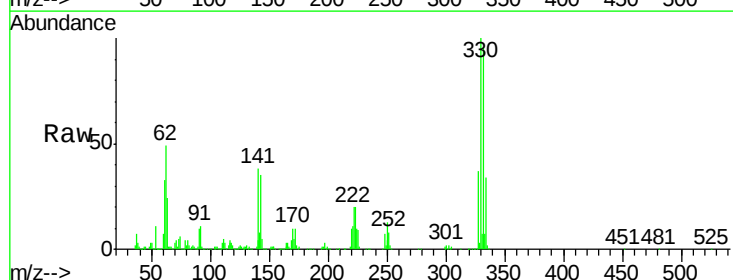
Tgt Ion:330 Resp: 517390

Ion Ratio Lower Upper

330 100

332 97.1 77.5 116.3

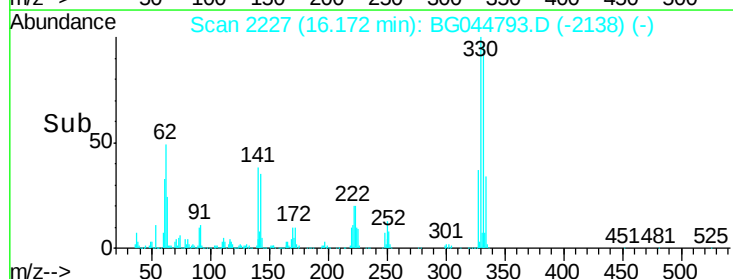
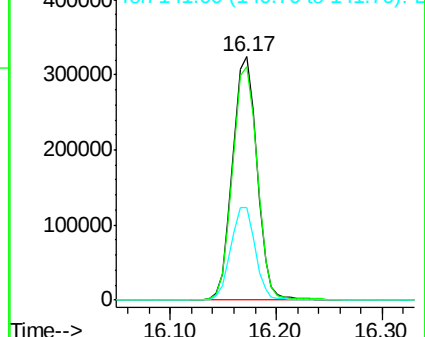
141 38.1 31.7 47.5

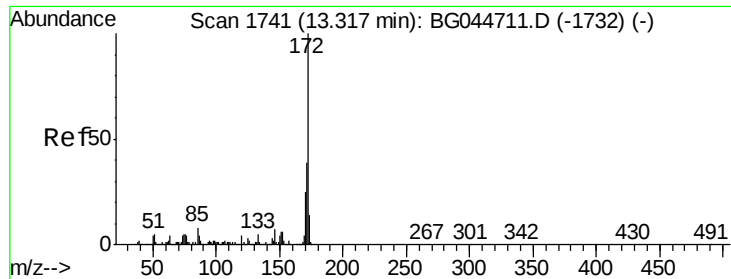


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

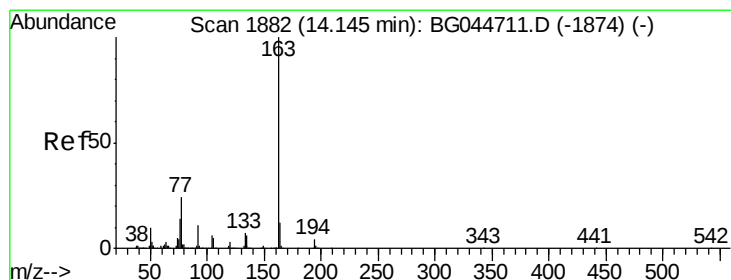
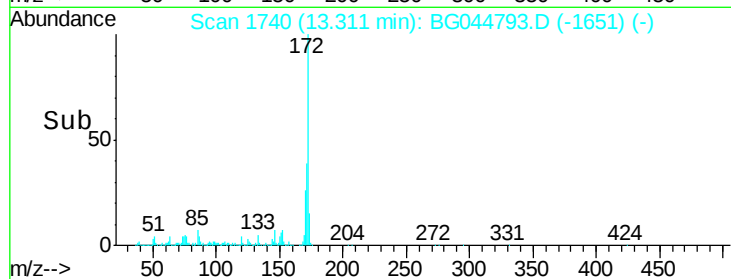
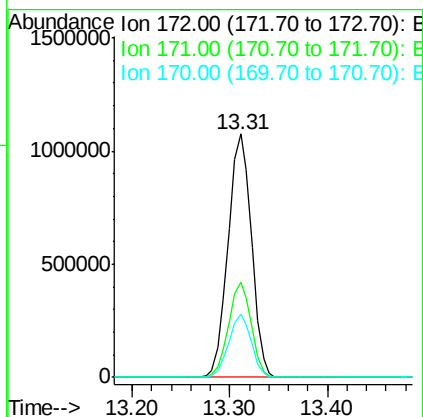
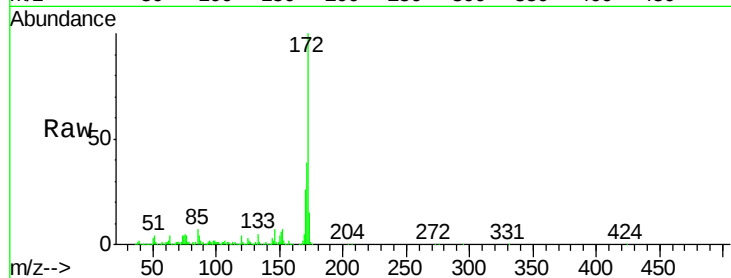




#45
2-Fluorobiphenyl
Concen: 80.79 ng
RT: 13.31 min Scan# 1740
Delta R.T. -0.01 min
Lab File: BG044793.D
Acq: 14 Mar 2020 11:07

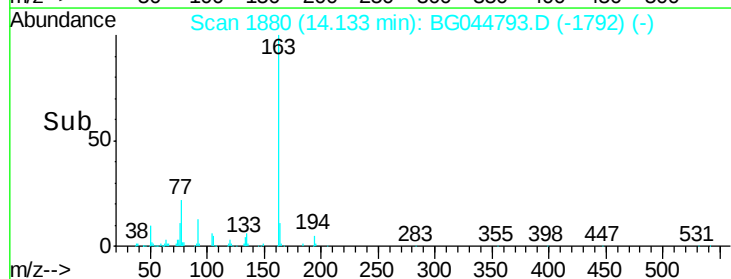
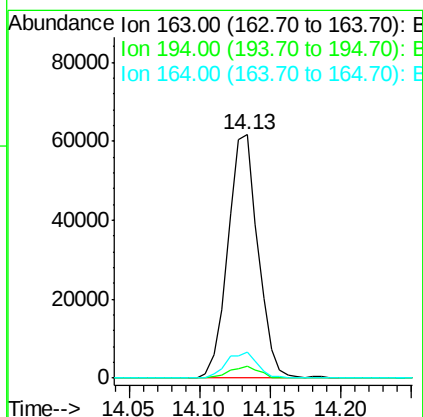
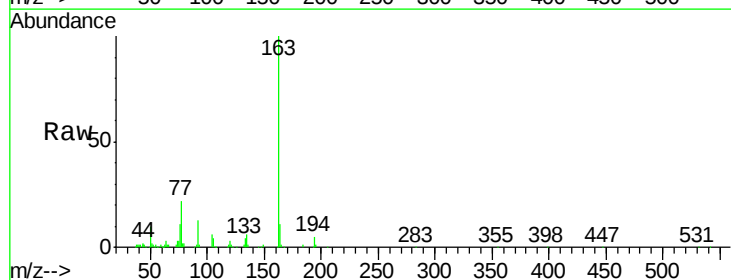
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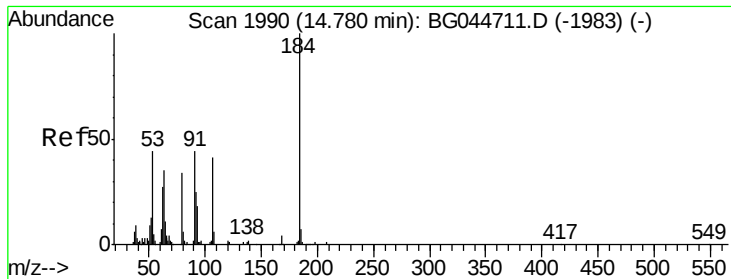
Tgt Ion:172 Resp: 1785958
Ion Ratio Lower Upper
172 100
171 39.3 30.8 46.2
170 25.9 20.0 30.0



#50
Dimethylphthalate
Concen: 3.62 ng
RT: 14.13 min Scan# 1880
Delta R.T. -0.01 min
Lab File: BG044793.D
Acq: 14 Mar 2020 11:07

Tgt Ion:163 Resp: 91326
Ion Ratio Lower Upper
163 100
194 4.8 3.5 5.3
164 10.8 9.2 13.8

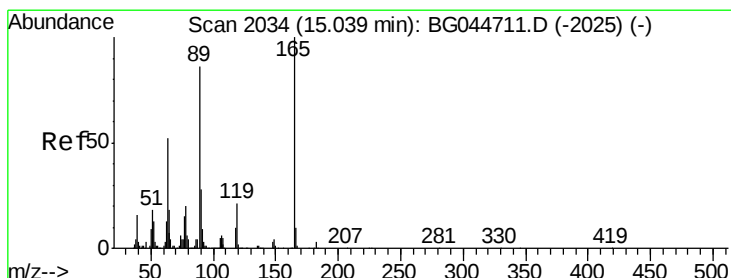
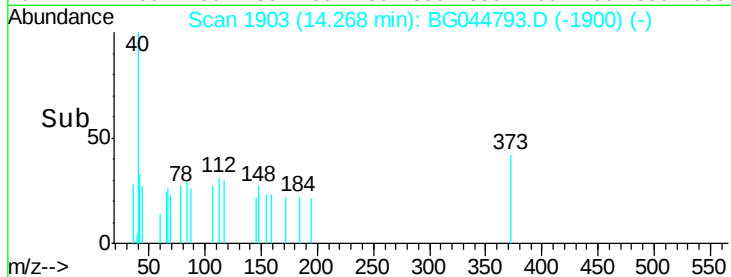
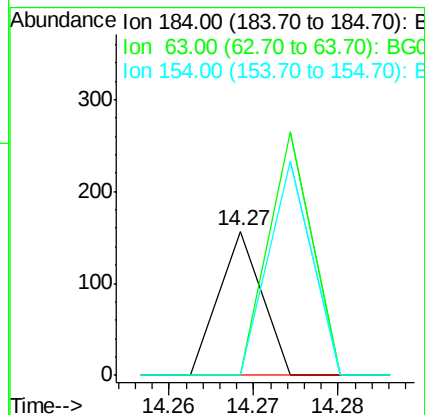
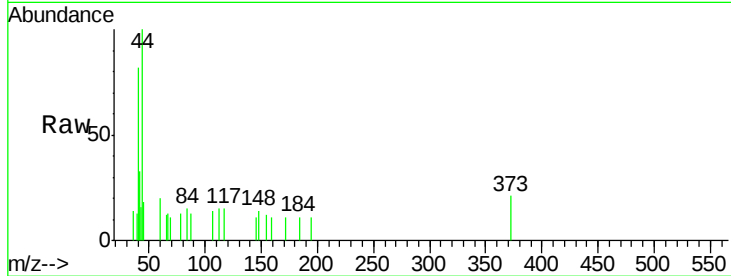




#54
2,4-Dinitrophenol
Concen: 8.34 ng
RT: 14.27 min Scan# 1903
Delta R.T. -0.51 min
Lab File: BG044793.D
Acq: 14 Mar 2020 11:07

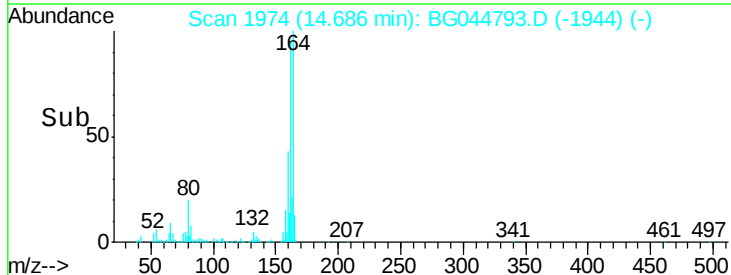
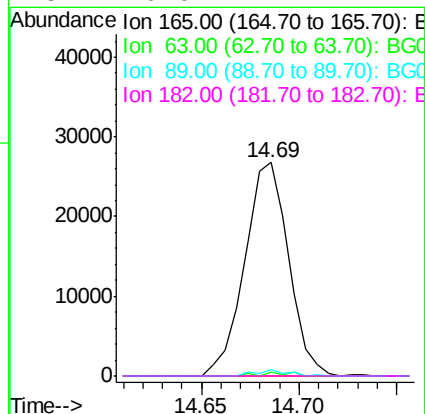
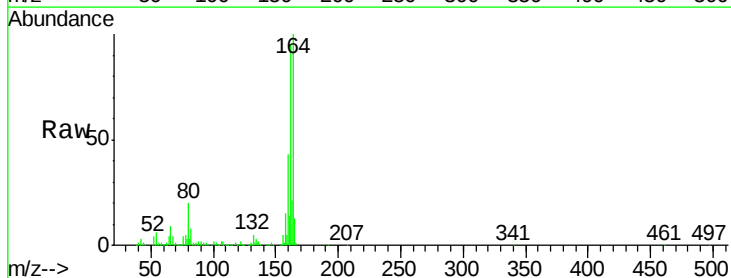
Instrument :
BNA_G
ClientSampleId :
TR-04-031220

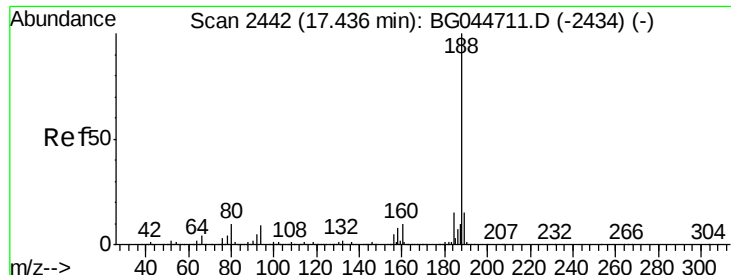
Tgt Ion:184 Resp: 55
Ion Ratio Lower Upper
184 100
63 0.0 49.0 73.6#
154 0.0 94.5 141.7#



#57
2,4-Dinitrotoluene
Concen: 5.98 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.35 min
Lab File: BG044793.D
Acq: 14 Mar 2020 11:07

Tgt Ion:165 Resp: 41655
Ion Ratio Lower Upper
165 100
63 1.7 41.5 62.3#
89 3.0 69.0 103.4#
182 0.0 2.7 4.1#

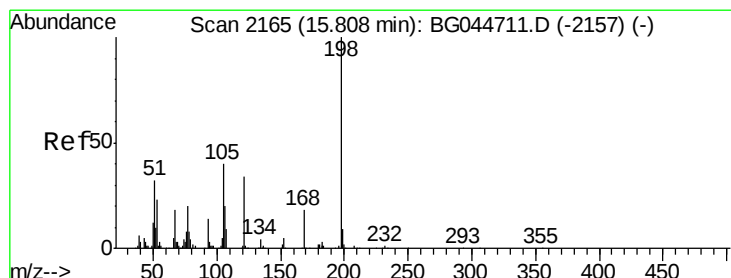
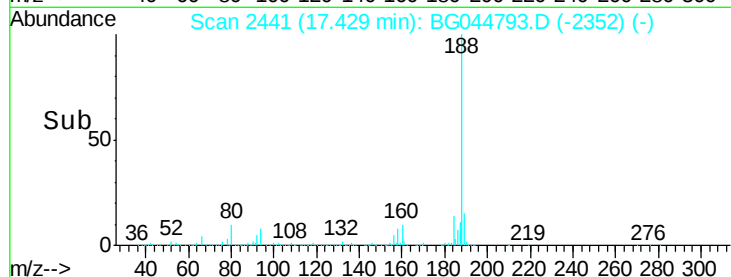
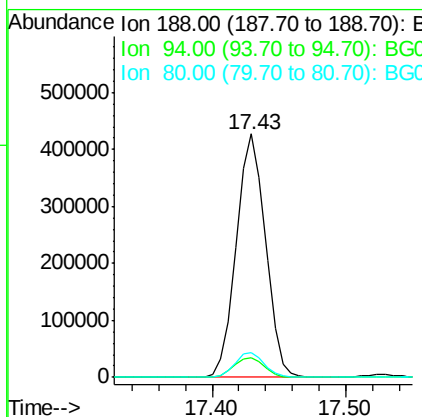
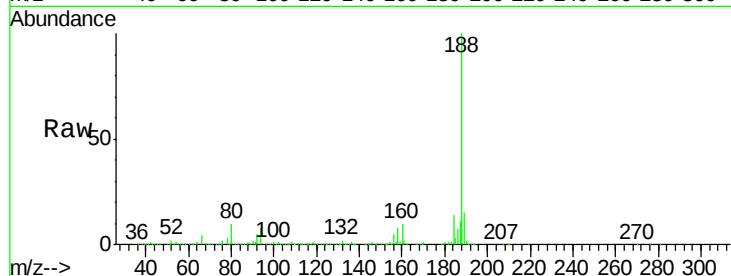




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.43 min Scan# 2441
Delta R.T. -0.01 min
Lab File: BG044793.D
Acq: 14 Mar 2020 11:07

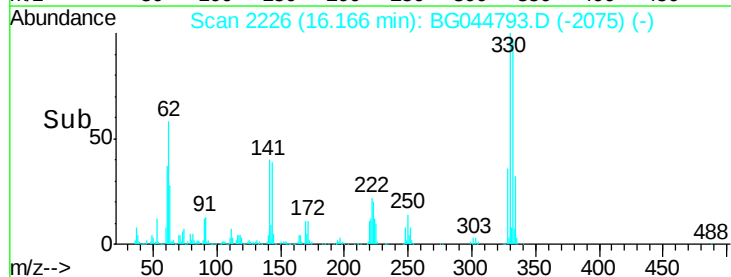
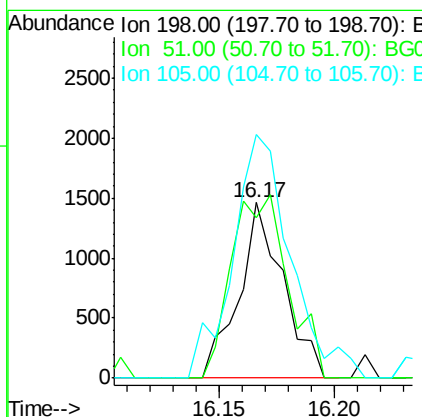
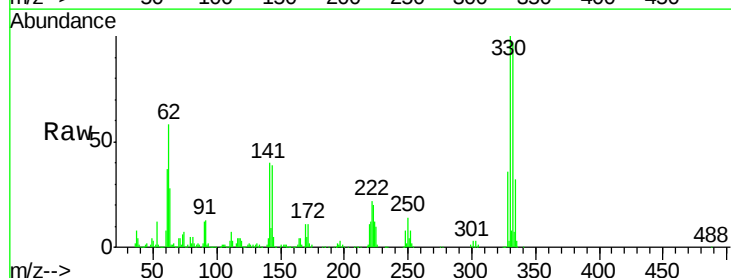
Instrument :
BNA_G
ClientSampleId :
TR-04-031220

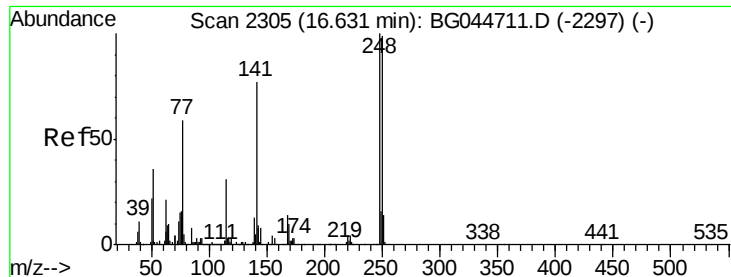
Tgt Ion:188 Resp: 647933
Ion Ratio Lower Upper
188 100
94 8.3 7.0 10.6
80 10.2 8.4 12.6



#65
4,6-Dinitro-2-methylphenol
Concen: 8.27 ng
RT: 16.17 min Scan# 2226
Delta R.T. 0.36 min
Lab File: BG044793.D
Acq: 14 Mar 2020 11:07

Tgt Ion:198 Resp: 1958
Ion Ratio Lower Upper
198 100
51 91.6 20.1 60.1#
105 138.9 21.3 61.3#

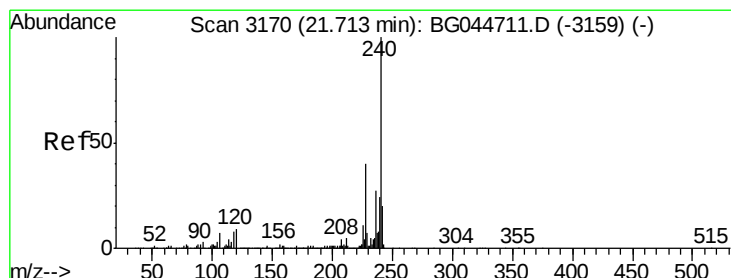
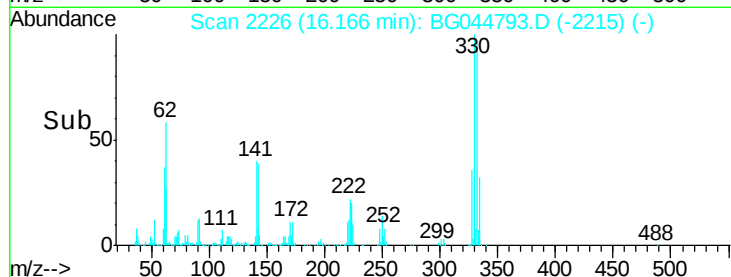
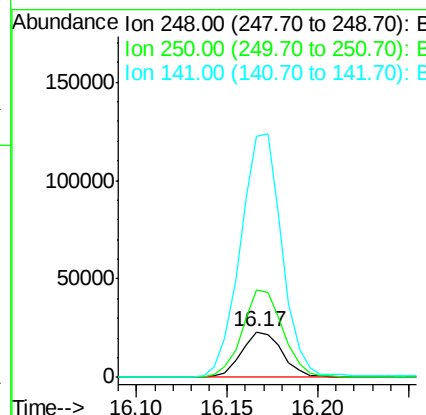
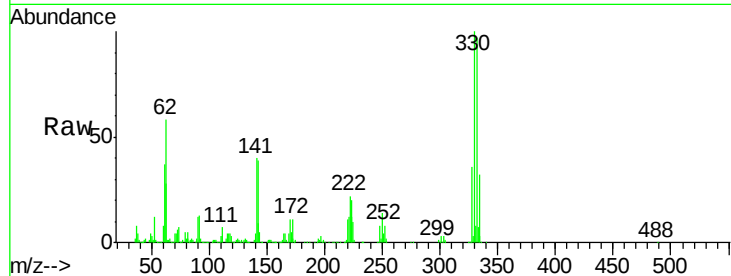




#67
 4-Bromophenyl-phenylether
 Concen: 4.50 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.46 min
 Lab File: BG044793.D
 Acq: 14 Mar 2020 11:07

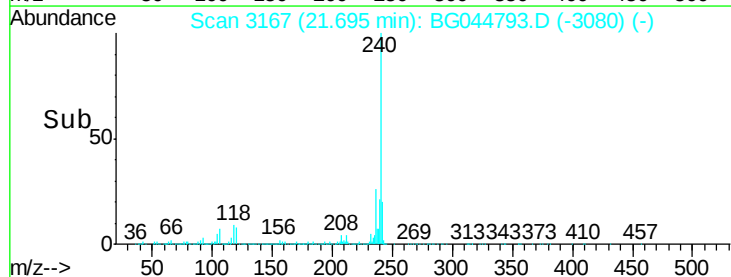
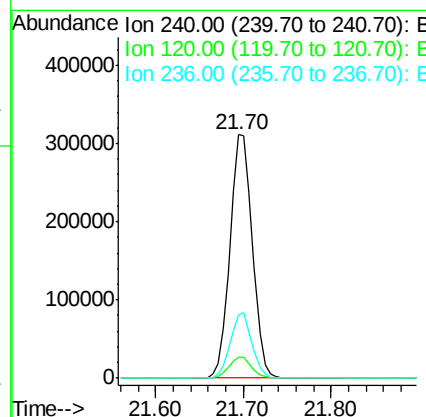
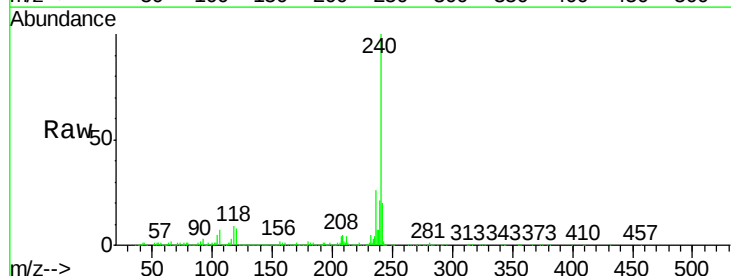
Instrument :
 BNA_G
 ClientSampleId :
 TR-04-031220

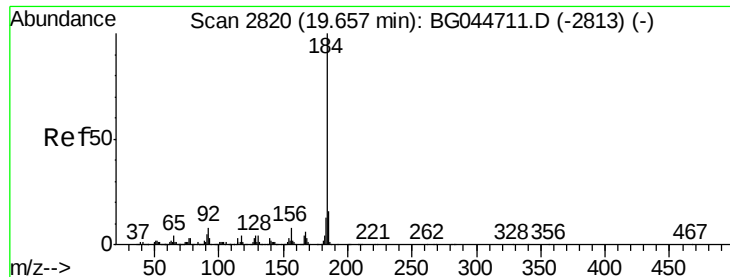
Tgt Ion:248 Resp: 36484
 Ion Ratio Lower Upper
 248 100
 250 191.4 79.4 119.0#
 141 528.5 61.7 92.5#



#76
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.70 min Scan# 3167
 Delta R.T. -0.02 min
 Lab File: BG044793.D
 Acq: 14 Mar 2020 11:07

Tgt Ion:240 Resp: 545512
 Ion Ratio Lower Upper
 240 100
 120 8.4 6.9 10.3
 236 26.0 21.9 32.9





#77

Benzidine

Concen: 2.74 ng

RT: 20.04 min Scan# 2886

Delta R.T. 0.39 min

Lab File: BG044793.D

Acq: 14 Mar 2020 11:07

Instrument :

BNA_G

ClientSampleId :

TR-04-031220

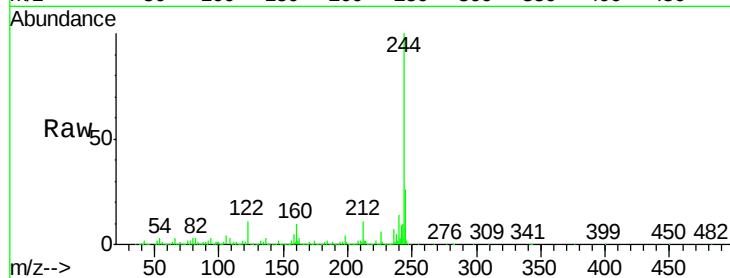
Tgt Ion:184 Resp: 48536

Ion Ratio Lower Upper

184 100

185 17.6 12.9 19.3

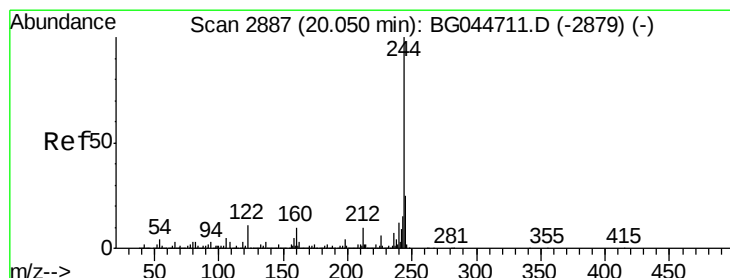
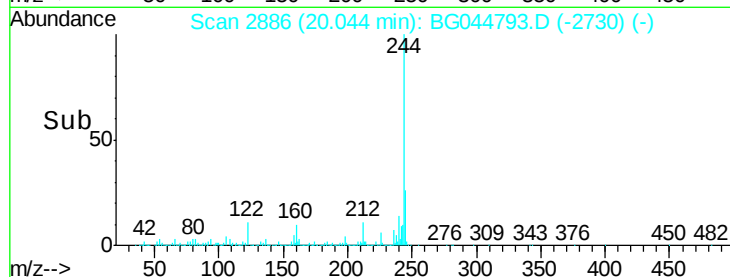
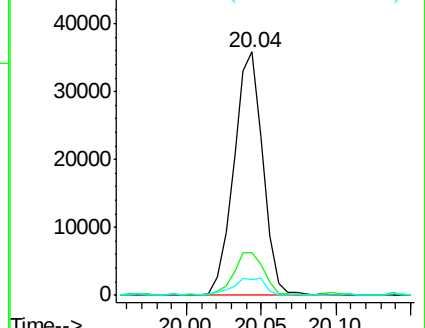
183 6.3 10.6 15.8#



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: 83.66 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.01 min

Lab File: BG044793.D

Acq: 14 Mar 2020 11:07

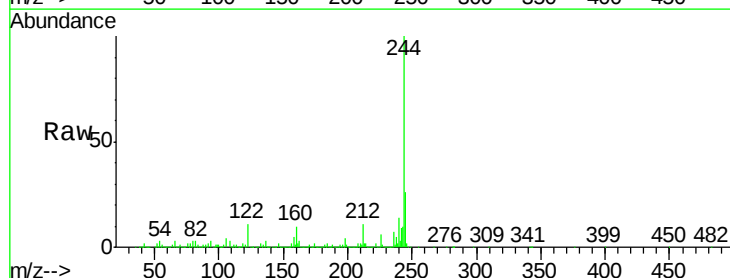
Tgt Ion:244 Resp: 2439886

Ion Ratio Lower Upper

244 100

212 10.5 8.4 12.6

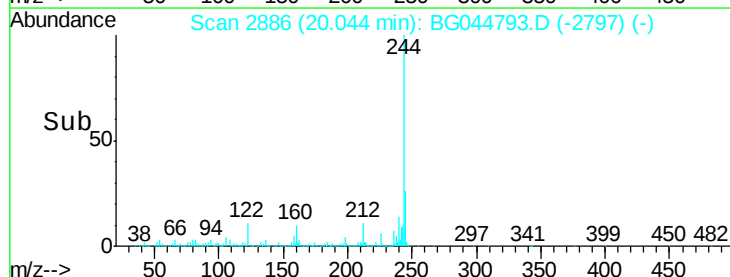
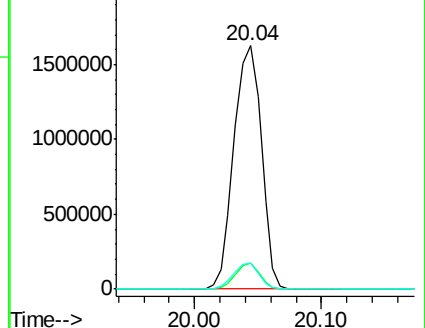
122 10.6 8.7 13.1

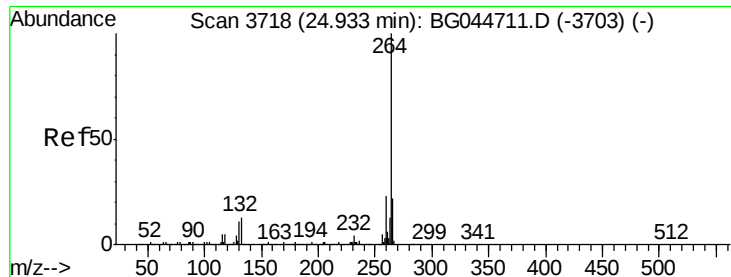


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG044793.D
Acq: 14 Mar 2020 11:07

Instrument :
BNA_G
ClientSampleId :
TR-04-031220

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.4	27.6
265	21.6	17.4	26.2

