

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031320\
 Data File : BG044786.D
 Acq On : 14 Mar 2020 6:11
 Operator : CG/JU
 Sample : L1761-10
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-01-031220

Quant Time: Mar 16 01:32:34 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	113669	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	458724	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	301496	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	633343	20.00	ng	0.00
76) Chrysene-d12	21.70	240	525698	20.00	ng	-0.01
87) Perylene-d12	24.92	264	590775	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.63	112	834404	114.27	ng	0.00
7) Phenol-d6	7.21	99	1109887	104.62	ng	0.00
23) Nitrobenzene-d5	9.21	82	899324	86.03	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	532602	134.92	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1762715	83.72	ng	0.00
79) Terphenyl-d14	20.04	244	2432436	86.55	ng	0.00

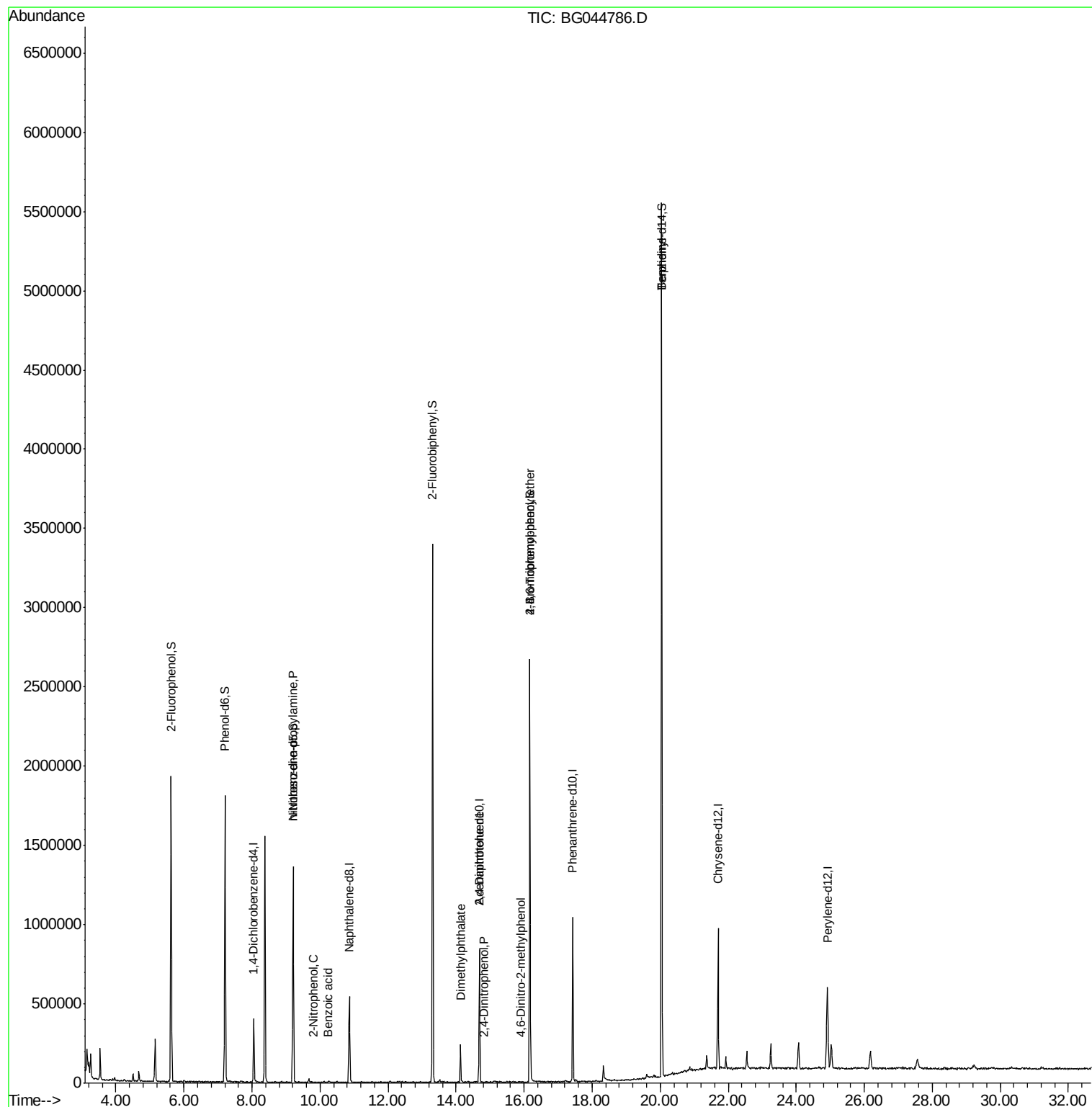
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.16	77	258	Below Cal	#	32
19) n-Nitroso-di-n-propylamine	9.21	70	123921	16.54	ng	72
26) 2-Nitrophenol	9.79	139	56	5.53	ng	28
32) Benzoic acid	10.23	122	74	9.68	ng	1
50) Dimethylphthalate	14.13	163	155411	6.47	ng	98
54) 2,4-Dinitrophenol	14.82	184	68	8.35	ng	2
57) 2,4-Dinitrotoluene	14.69	165	40397	6.09	ng	16
65) 4,6-Dinitro-2-methylphenol	15.91	198	97	7.76	ng	35
67) 4-Bromophenyl-phenylether	16.17	248	36766	4.64	ng	1
77) Benzidine	20.04	184	50725	2.97	ng	91

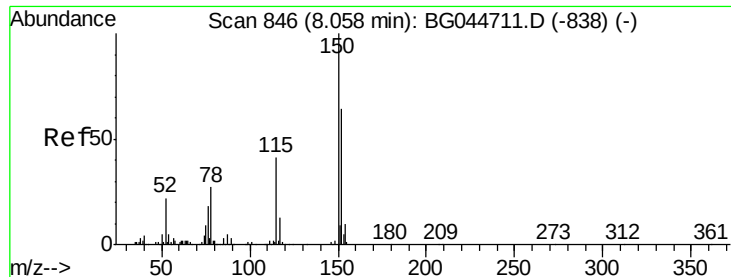
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG044786.D

Acq: 14 Mar 2020 6:11

Instrument :

BNA_G

ClientSampleId :

SU-01-031220

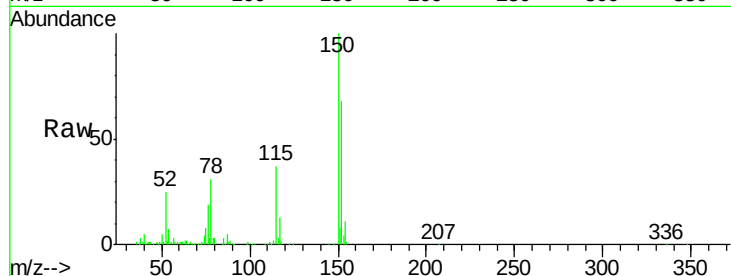
Tgt Ion:152 Resp: 113669

Ion Ratio Lower Upper

152 100

150 147.8 125.3 187.9

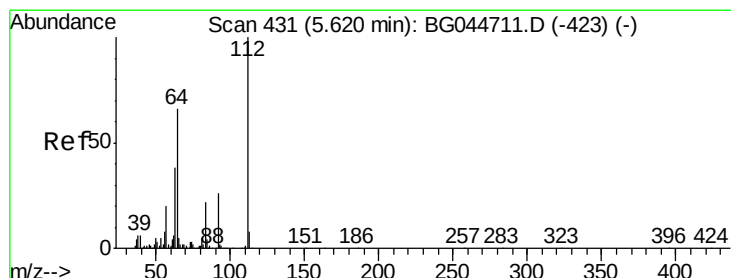
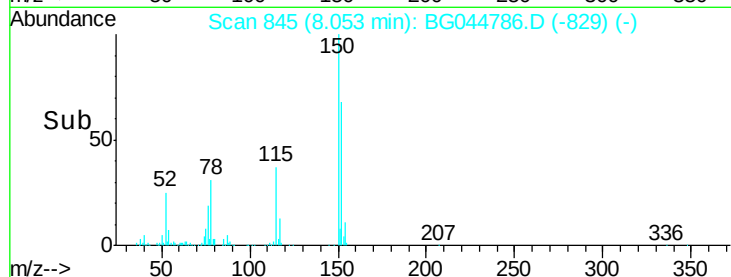
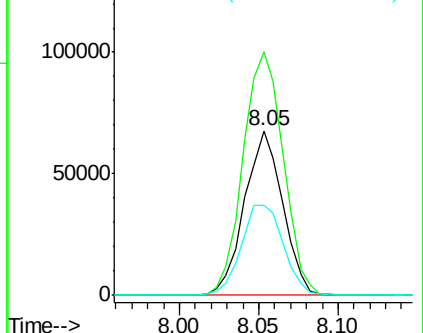
115 54.6 51.7 77.5



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



#5

2-Fluorophenol

Concen: 114.27 ng

RT: 5.63 min Scan# 432

Delta R.T. 0.01 min

Lab File: BG044786.D

Acq: 14 Mar 2020 6:11

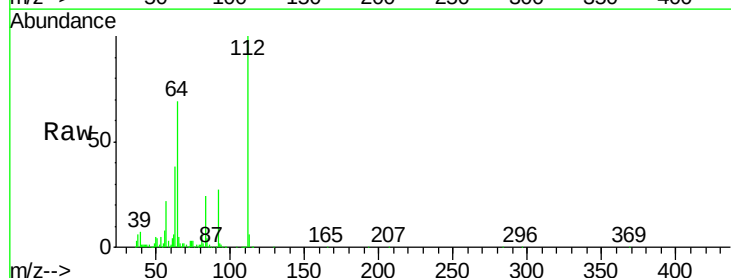
Tgt Ion:112 Resp: 834404

Ion Ratio Lower Upper

112 100

64 68.8 52.6 78.8

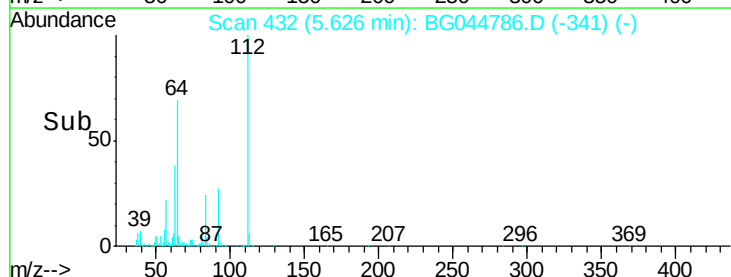
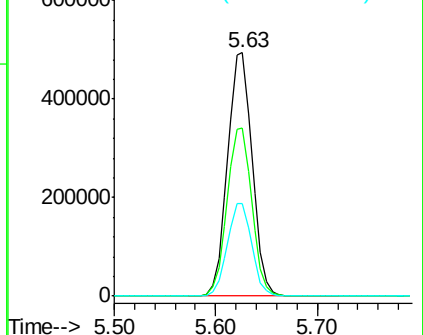
63 38.3 30.2 45.4

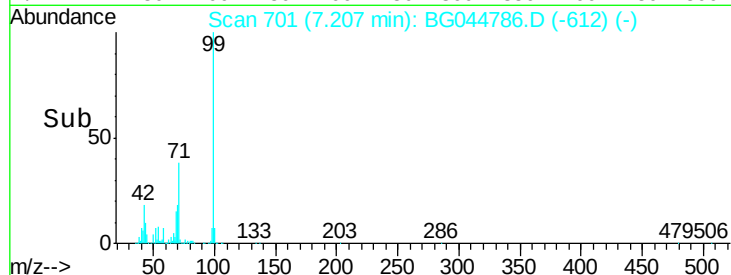
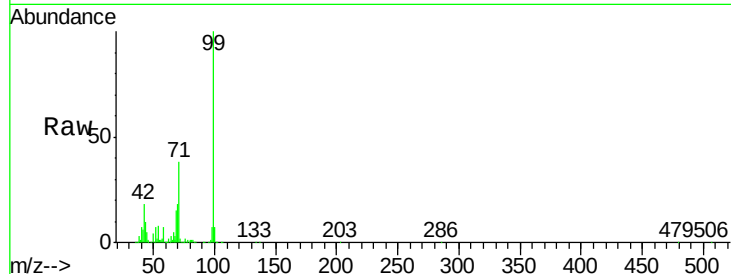
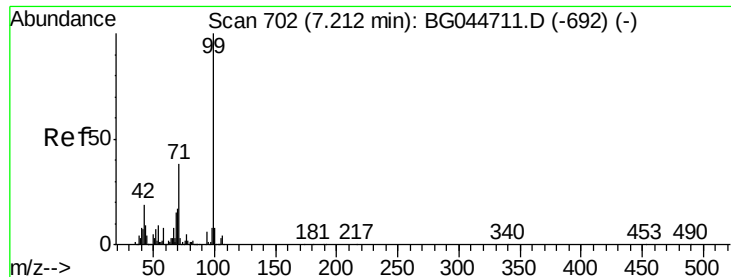


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

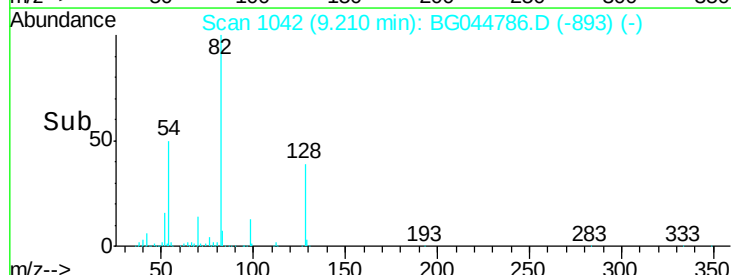
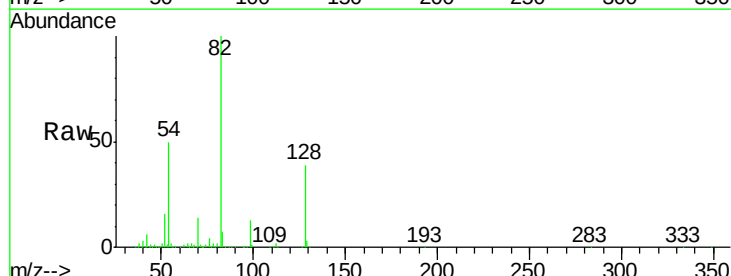
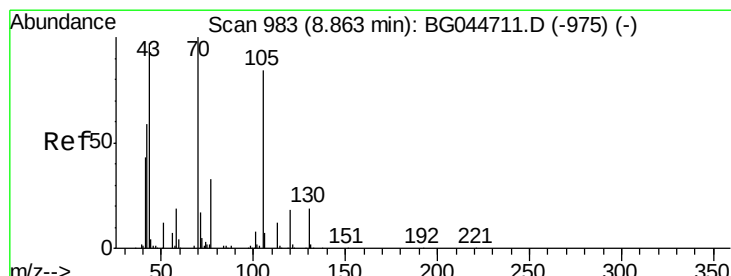
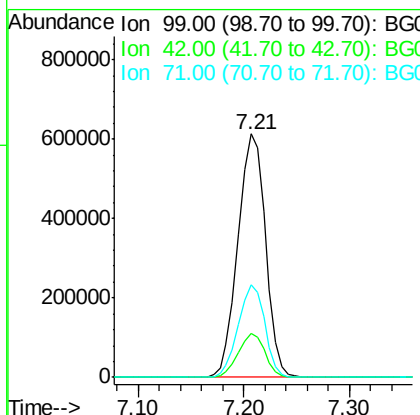




#7
Phenol-d6
Concen: 104.62 ng
RT: 7.21 min Scan# 701
Delta R.T. -0.01 min
Lab File: BG044786.D
Acq: 14 Mar 2020 6:11

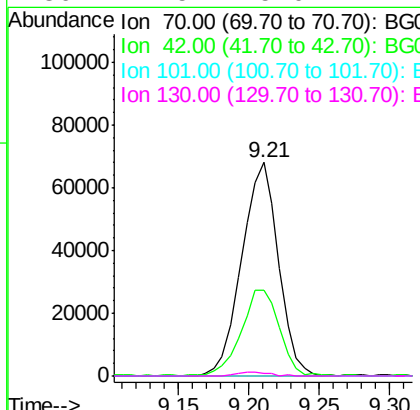
Instrument :
BNA_G
ClientSampleId :
SU-01-031220

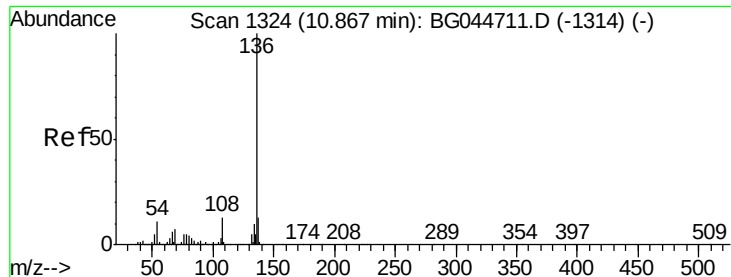
Tgt Ion: 99 Resp: 1109887
Ion Ratio Lower Upper
99 100
42 18.1 15.4 23.0
71 37.9 30.2 45.4



#19
n-Nitroso-di-n-propylamine
Concen: 16.54 ng
RT: 9.21 min Scan# 1042
Delta R.T. 0.35 min
Lab File: BG044786.D
Acq: 14 Mar 2020 6:11

Tgt Ion: 70 Resp: 123921
Ion Ratio Lower Upper
70 100
42 40.4 47.6 71.4#
101 0.0 6.5 9.7#
130 1.5 15.0 22.4#

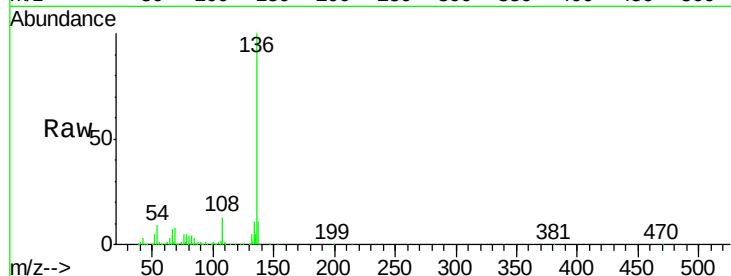




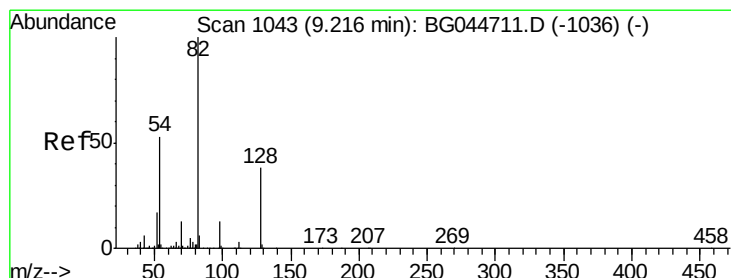
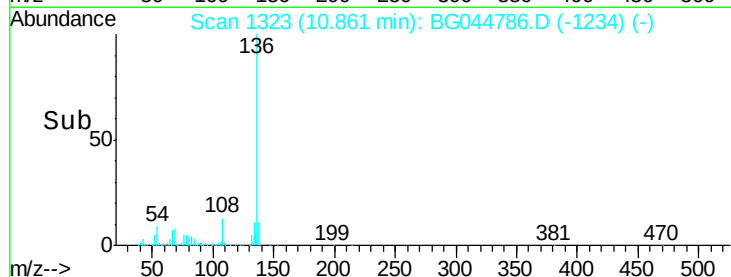
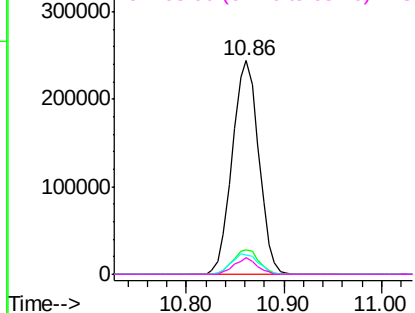
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BG044786.D
Acq: 14 Mar 2020 6:11

Instrument :
BNA_G
ClientSampleId :
SU-01-031220

Tgt Ion:	136	Resp:	458724
Ion	Ratio	Lower	Upper
136	100		
137	11.2	10.7	16.1
54	8.9	9.0	13.4#
68	7.7	5.9	8.9

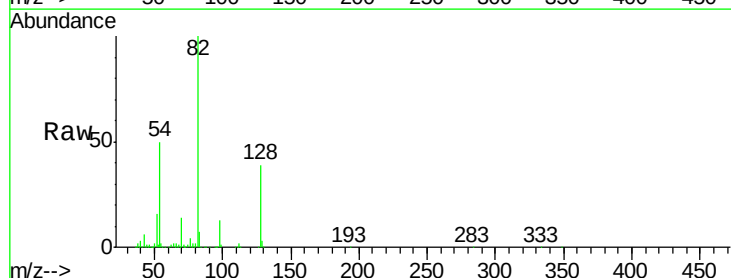


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

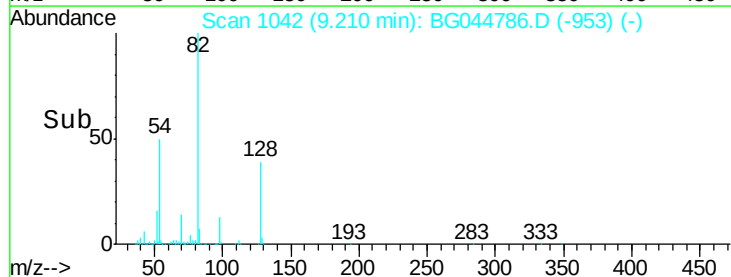
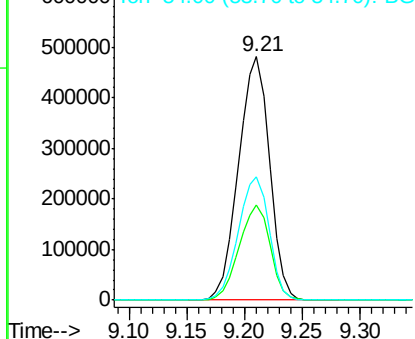


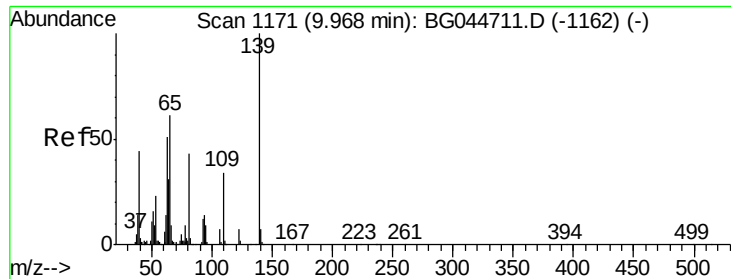
#23
Nitrobenzene-d5
Concen: 86.03 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BG044786.D
Acq: 14 Mar 2020 6:11

Tgt Ion:	82	Resp:	899324
Ion	Ratio	Lower	Upper
82	100		
128	39.2	30.2	45.2
54	50.5	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

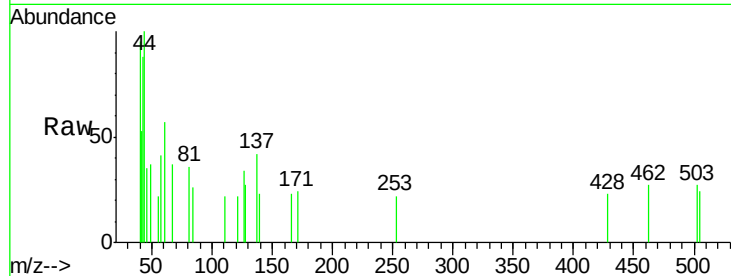




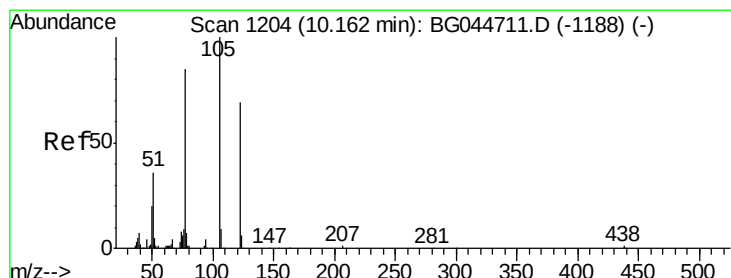
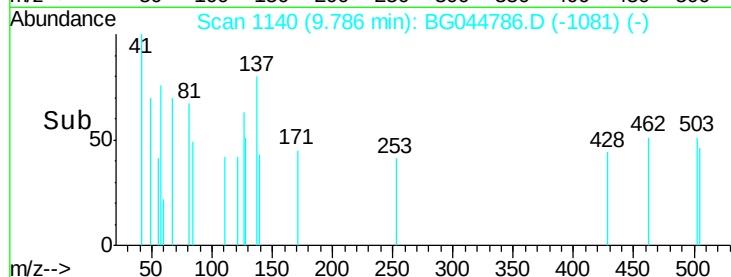
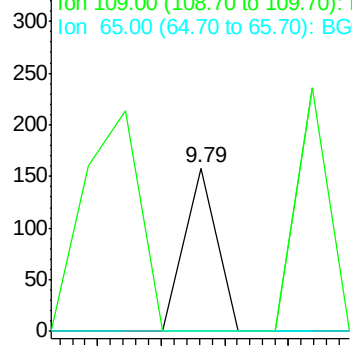
#26
2-Nitrophenol
Concen: 5.53 ng
RT: 9.79 min Scan# 1140
Delta R.T. -0.18 min
Lab File: BG044786.D
Acq: 14 Mar 2020 6:11

Instrument :
BNA_G
ClientSampleId :
SU-01-031220

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

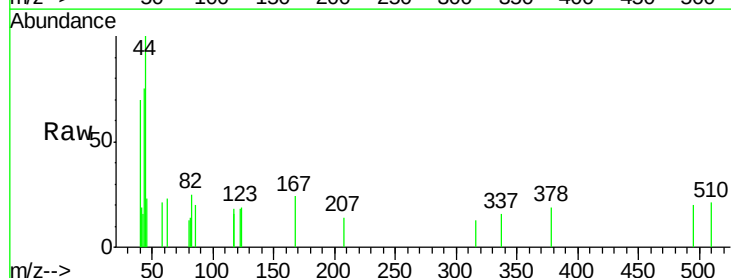


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

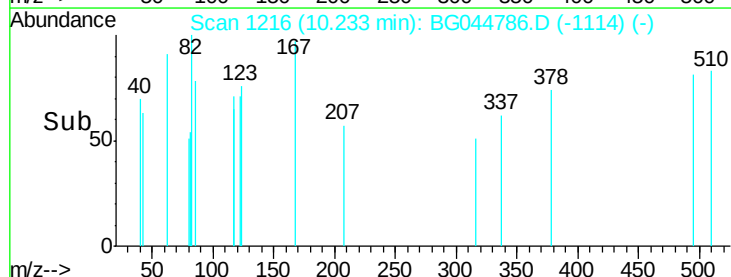
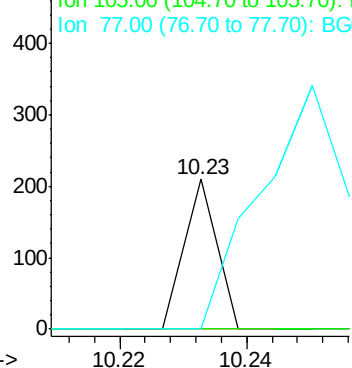


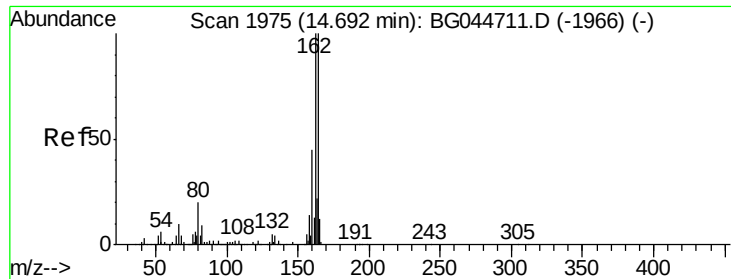
#32
Benzoic acid
Concen: 9.68 ng
RT: 10.23 min Scan# 1216
Delta R.T. 0.07 min
Lab File: BG044786.D
Acq: 14 Mar 2020 6:11

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: BG044786.D

Acq: 14 Mar 2020 6:11

Instrument :

BNA_G

ClientSampleId :

SU-01-031220

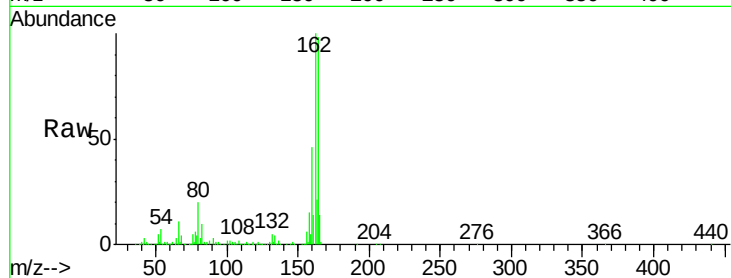
Tgt Ion:164 Resp: 301496

Ion Ratio Lower Upper

164 100

162 101.6 80.2 120.4

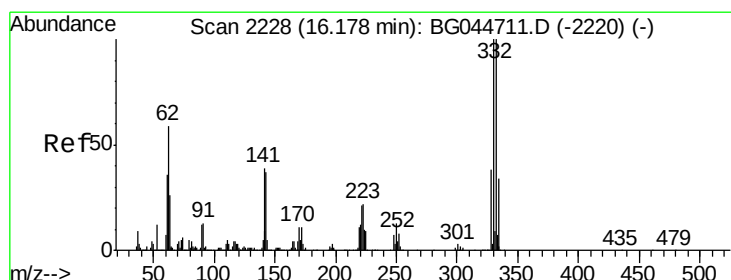
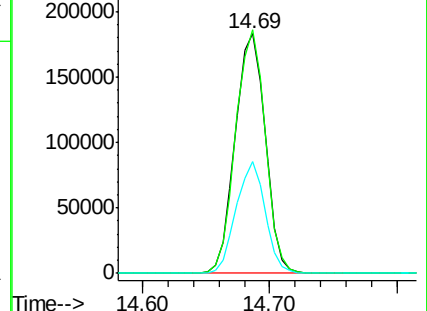
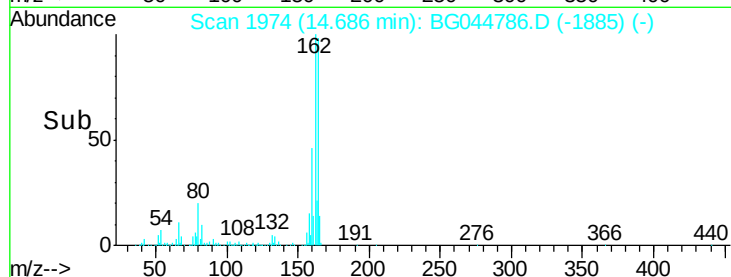
160 46.5 36.2 54.2



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: 134.92 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.01 min

Lab File: BG044786.D

Acq: 14 Mar 2020 6:11

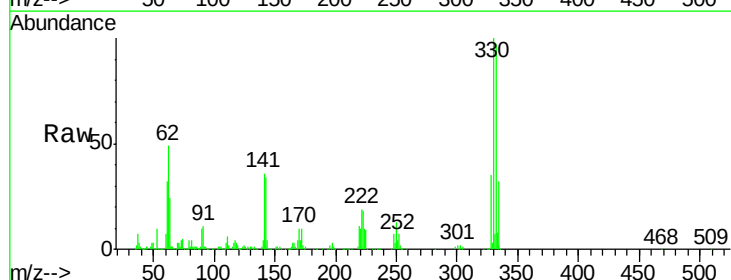
Tgt Ion:330 Resp: 532602

Ion Ratio Lower Upper

330 100

332 96.0 77.5 116.3

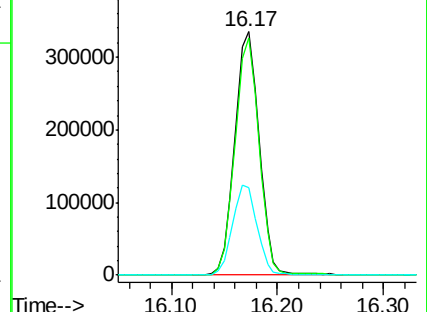
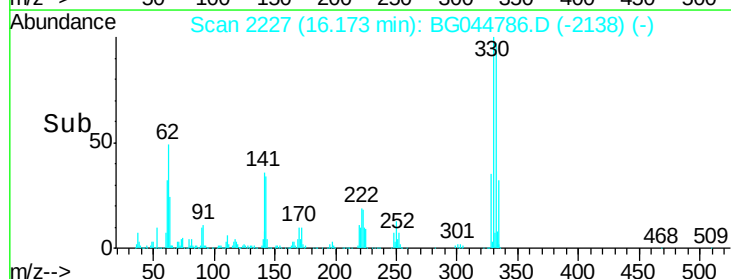
141 37.6 31.7 47.5

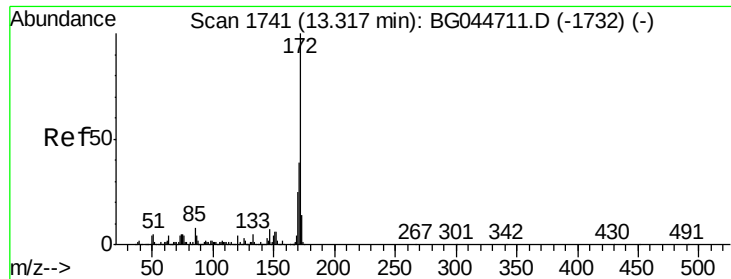


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

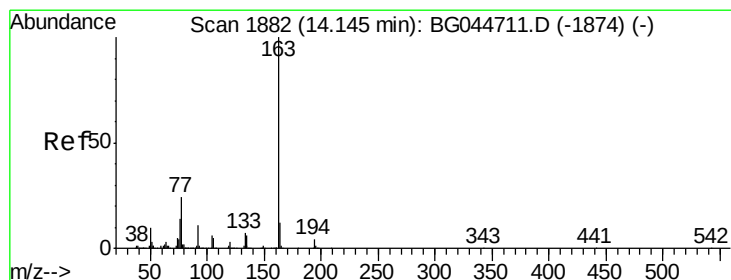
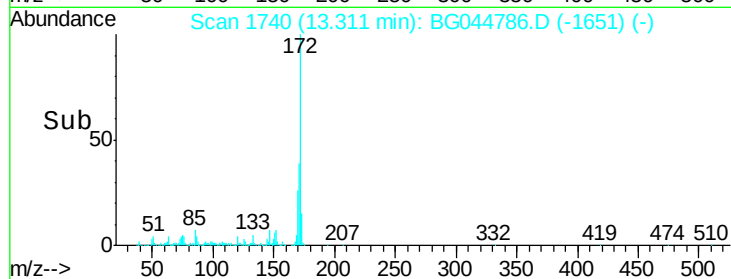
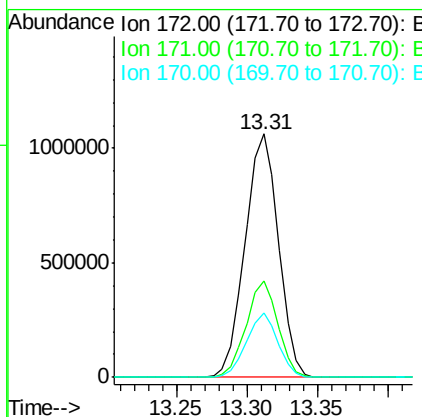
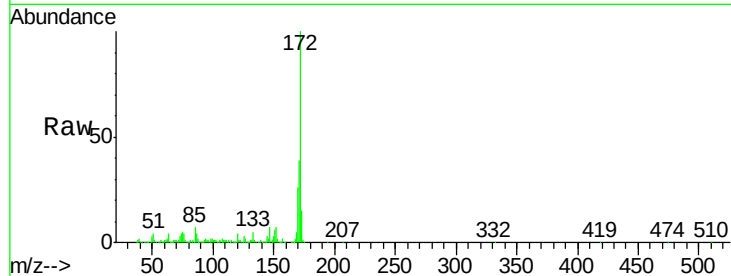




#45
2-Fluorobiphenyl
Concen: 83.72 ng
RT: 13.31 min Scan# 1740
Delta R.T. -0.01 min
Lab File: BG044786.D
Acq: 14 Mar 2020 6:11

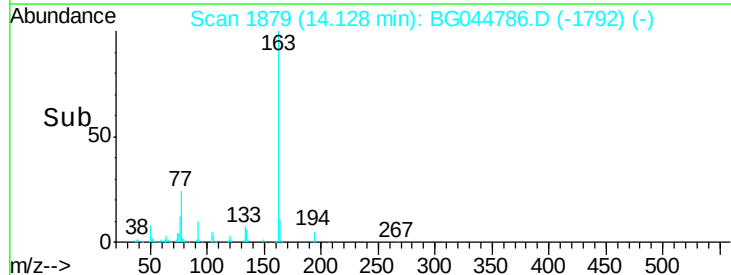
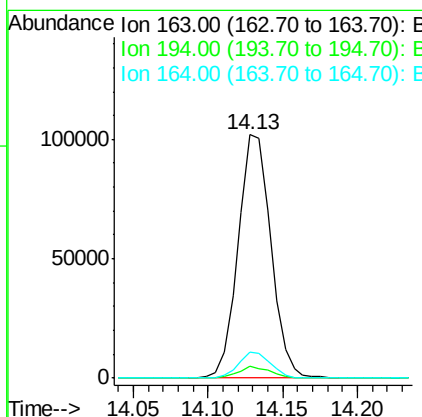
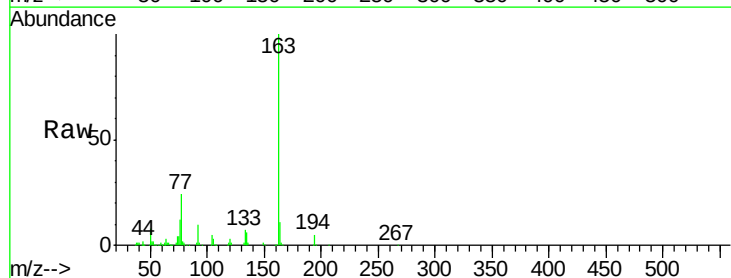
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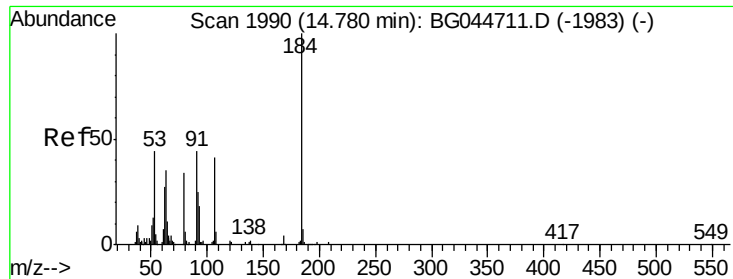
Tgt Ion:172 Resp: 1762715
Ion Ratio Lower Upper
172 100
171 39.5 30.8 46.2
170 26.2 20.0 30.0



#50
Dimethylphthalate
Concen: 6.47 ng
RT: 14.13 min Scan# 1879
Delta R.T. -0.02 min
Lab File: BG044786.D
Acq: 14 Mar 2020 6:11

Tgt Ion:163 Resp: 155411
Ion Ratio Lower Upper
163 100
194 5.1 3.5 5.3
164 10.7 9.2 13.8

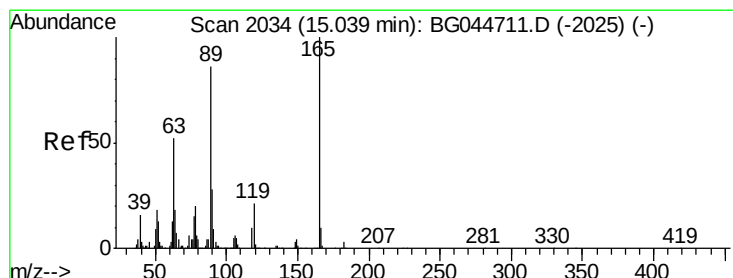
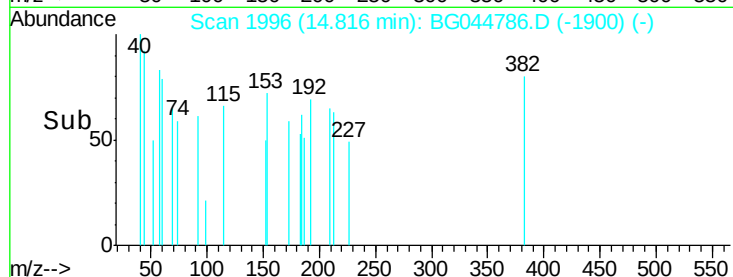
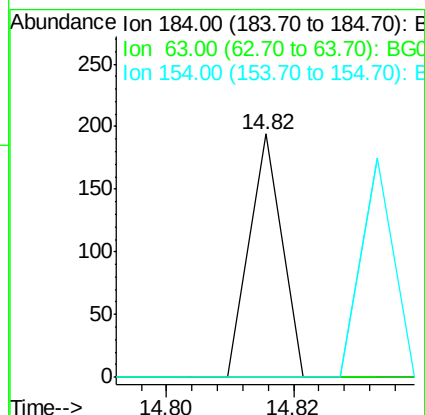
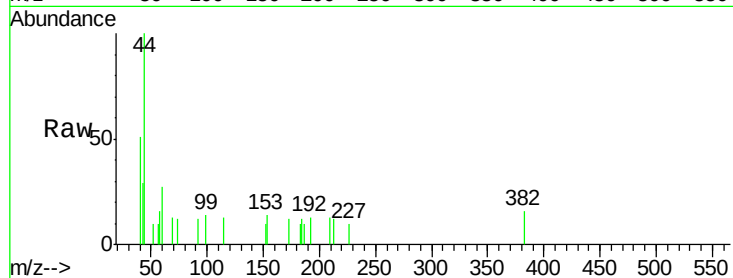




#54
2,4-Dinitrophenol
Concen: 8.35 ng
RT: 14.82 min Scan# 1996
Delta R.T. 0.04 min
Lab File: BG044786.D
Acq: 14 Mar 2020 6:11

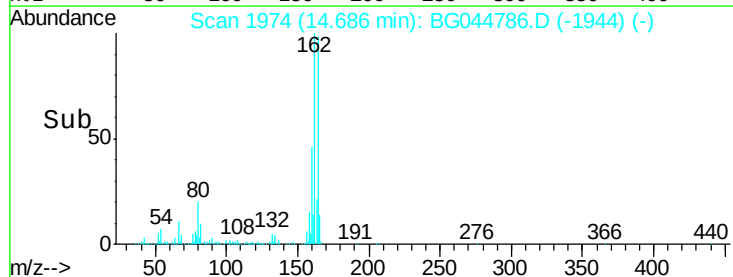
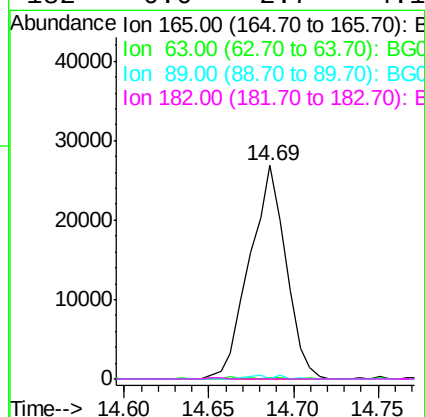
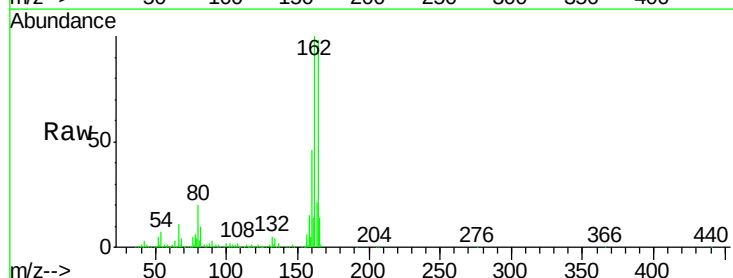
Instrument :
BNA_G
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SU-01-031220

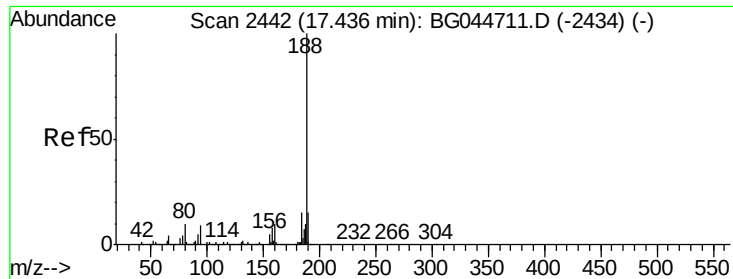
Tgt Ion:184 Resp: 68
Ion Ratio Lower Upper
184 100
63 0.0 49.0 73.6#
154 0.0 94.5 141.7#



#57
2,4-Dinitrotoluene
Concen: 6.09 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.35 min
Lab File: BG044786.D
Acq: 14 Mar 2020 6:11

Tgt Ion:165 Resp: 40397
Ion Ratio Lower Upper
165 100
63 0.6 41.5 62.3#
89 0.0 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: BG044786.D

Acq: 14 Mar 2020 6:11

Instrument :

BNA_G

ClientSampleId :

SU-01-031220

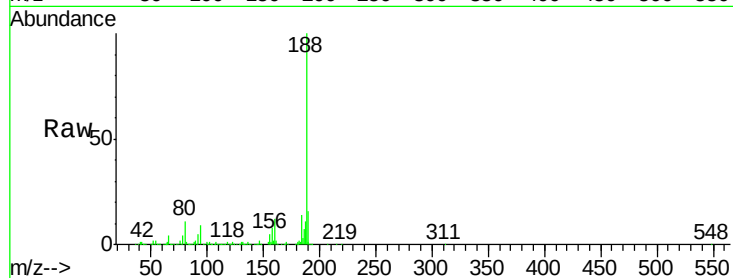
Tgt Ion:188 Resp: 633343

Ion Ratio Lower Upper

188 100

94 9.0 7.0 10.6

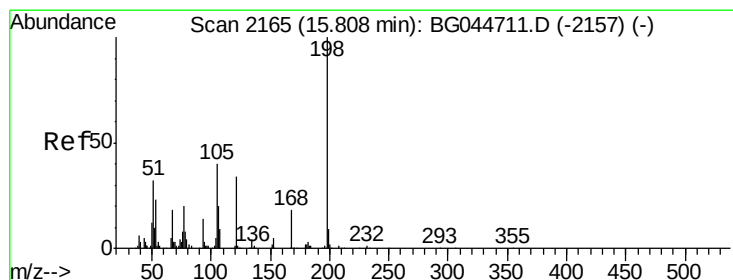
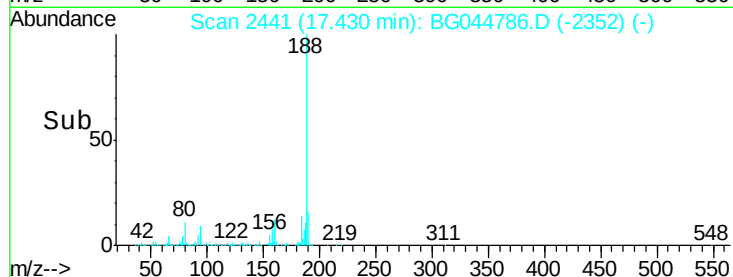
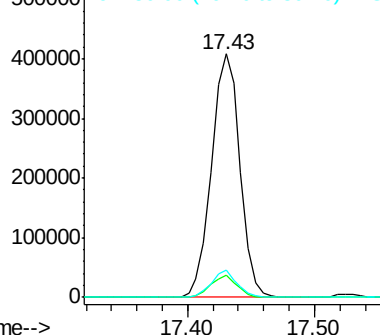
80 11.0 8.4 12.6



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: 7.76 ng

RT: 15.91 min Scan# 2183

Delta R.T. 0.11 min

Lab File: BG044786.D

Acq: 14 Mar 2020 6:11

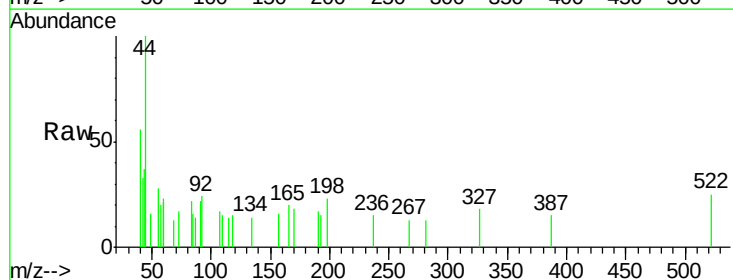
Tgt Ion:198 Resp: 97

Ion Ratio Lower Upper

198 100

51 0.0 20.1 60.1#

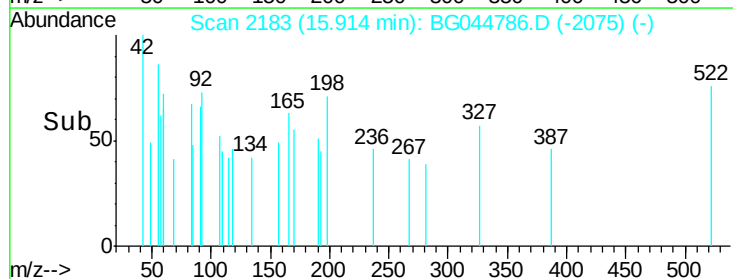
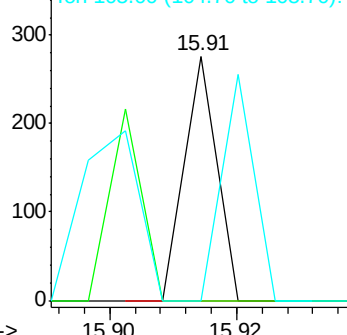
105 0.0 21.3 61.3#

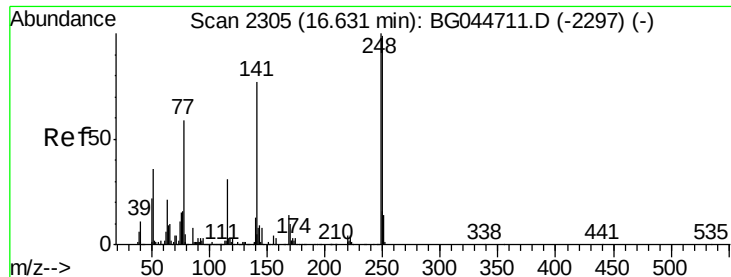


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

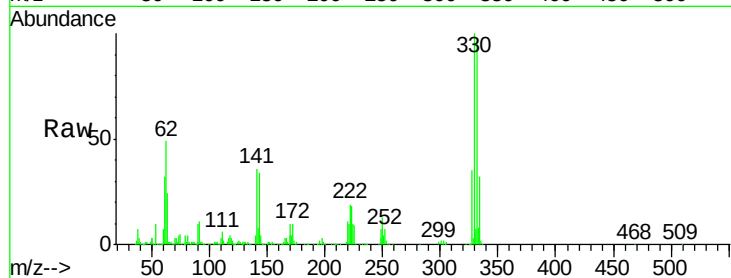




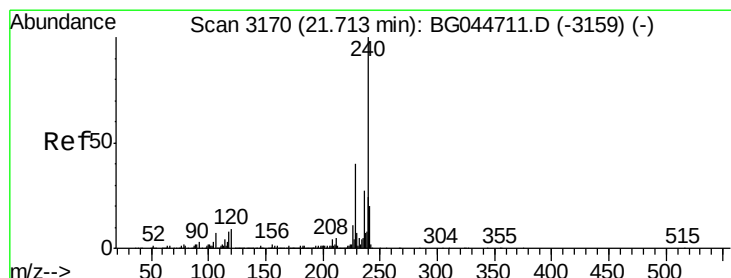
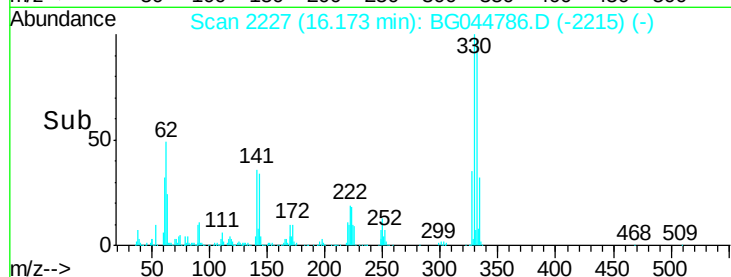
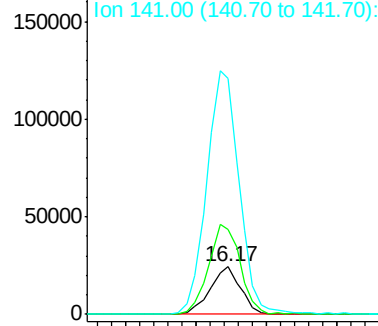
#67
4-Bromophenyl-phenylether
Concen: 4.64 ng
RT: 16.17 min Scan# 2227
Delta R.T. -0.46 min
Lab File: BG044786.D
Acq: 14 Mar 2020 6:11

Instrument :
BNA_G
ClientSampleId :
SU-01-031220

Tgt Ion:248 Resp: 36766
Ion Ratio Lower Upper
248 100
250 180.2 79.4 119.0#
141 499.1 61.7 92.5#

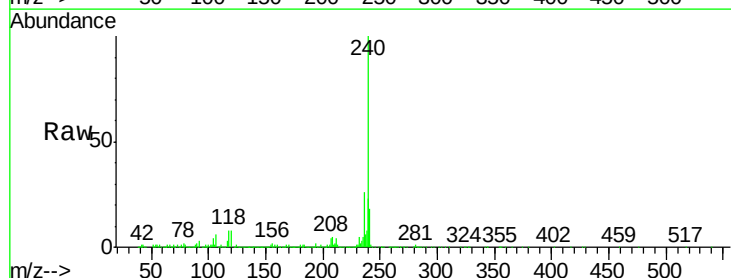


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

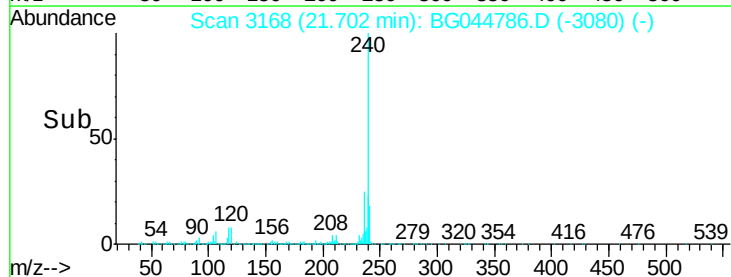
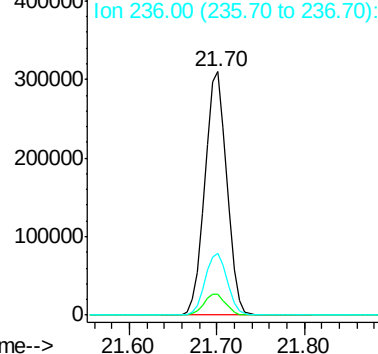


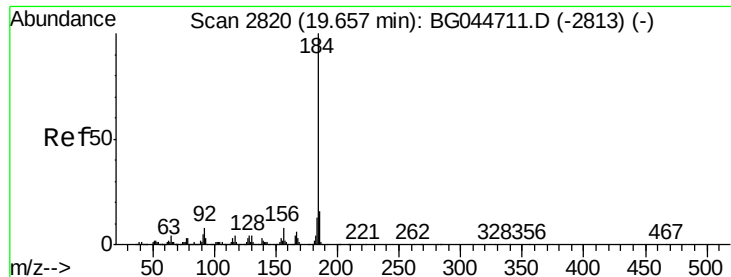
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.70 min Scan# 3168
Delta R.T. -0.01 min
Lab File: BG044786.D
Acq: 14 Mar 2020 6:11

Tgt Ion:240 Resp: 525698
Ion Ratio Lower Upper
240 100
120 8.3 6.9 10.3
236 25.5 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: 2.97 ng

RT: 20.04 min Scan# 2886

Delta R.T. 0.39 min

Lab File: BG044786.D

Acq: 14 Mar 2020 6:11

Instrument :

BNA_G

ClientSampleId :

SU-01-031220

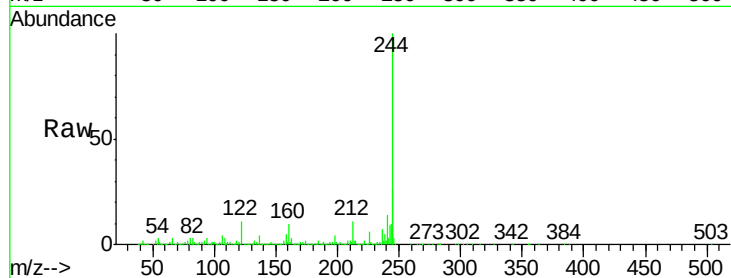
Tgt Ion:184 Resp: 50725

Ion Ratio Lower Upper

184 100

185 17.8 12.9 19.3

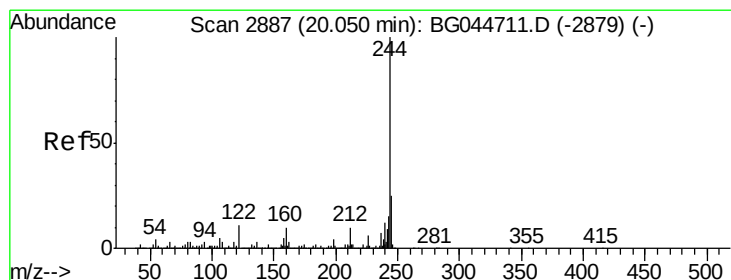
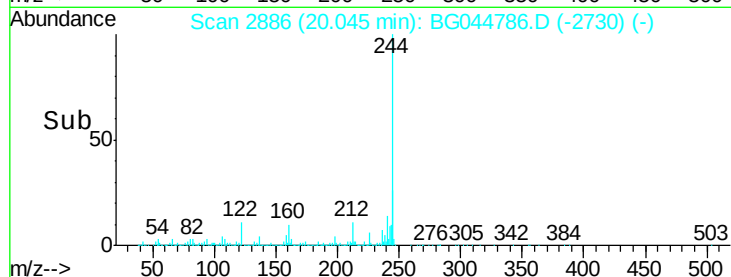
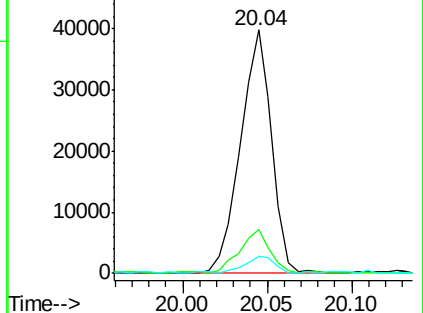
183 7.1 10.6 15.8#



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: 86.55 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.01 min

Lab File: BG044786.D

Acq: 14 Mar 2020 6:11

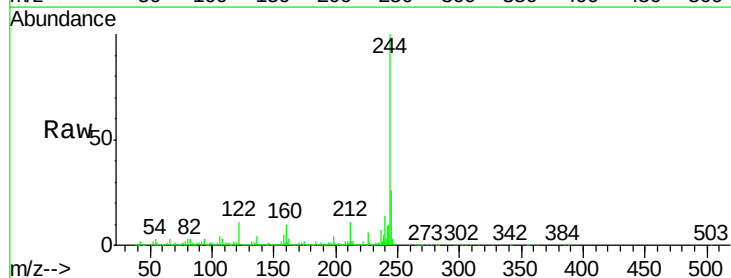
Tgt Ion:244 Resp: 2432436

Ion Ratio Lower Upper

244 100

212 10.7 8.4 12.6

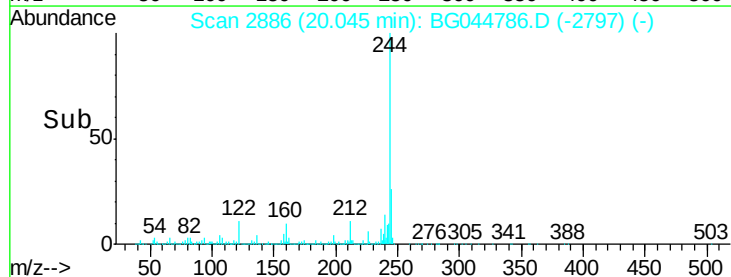
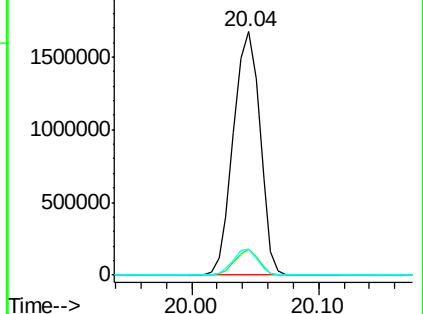
122 10.8 8.7 13.1

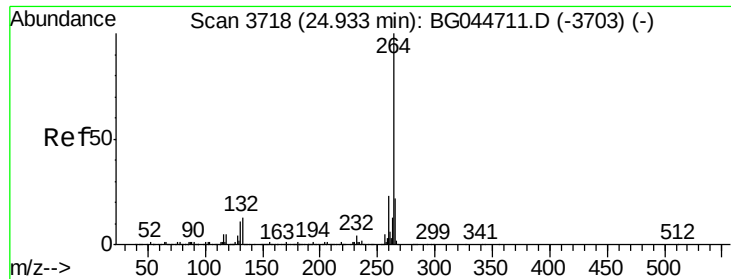


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.92 min Scan# 3715
Delta R.T. -0.02 min
Lab File: BG044786.D
Acq: 14 Mar 2020 6:11

Instrument :
BNA_G
ClientSampleId :
SU-01-031220

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.4	27.6
265	21.9	17.4	26.2

