

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030521\
 Data File : BG048353.D
 Acq On : 6 Mar 2021 1:11
 Operator : CG/JU
 Sample : M1556-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-030321

Quant Time: Mar 06 03:35:35 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG021021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 05 16:23:55 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

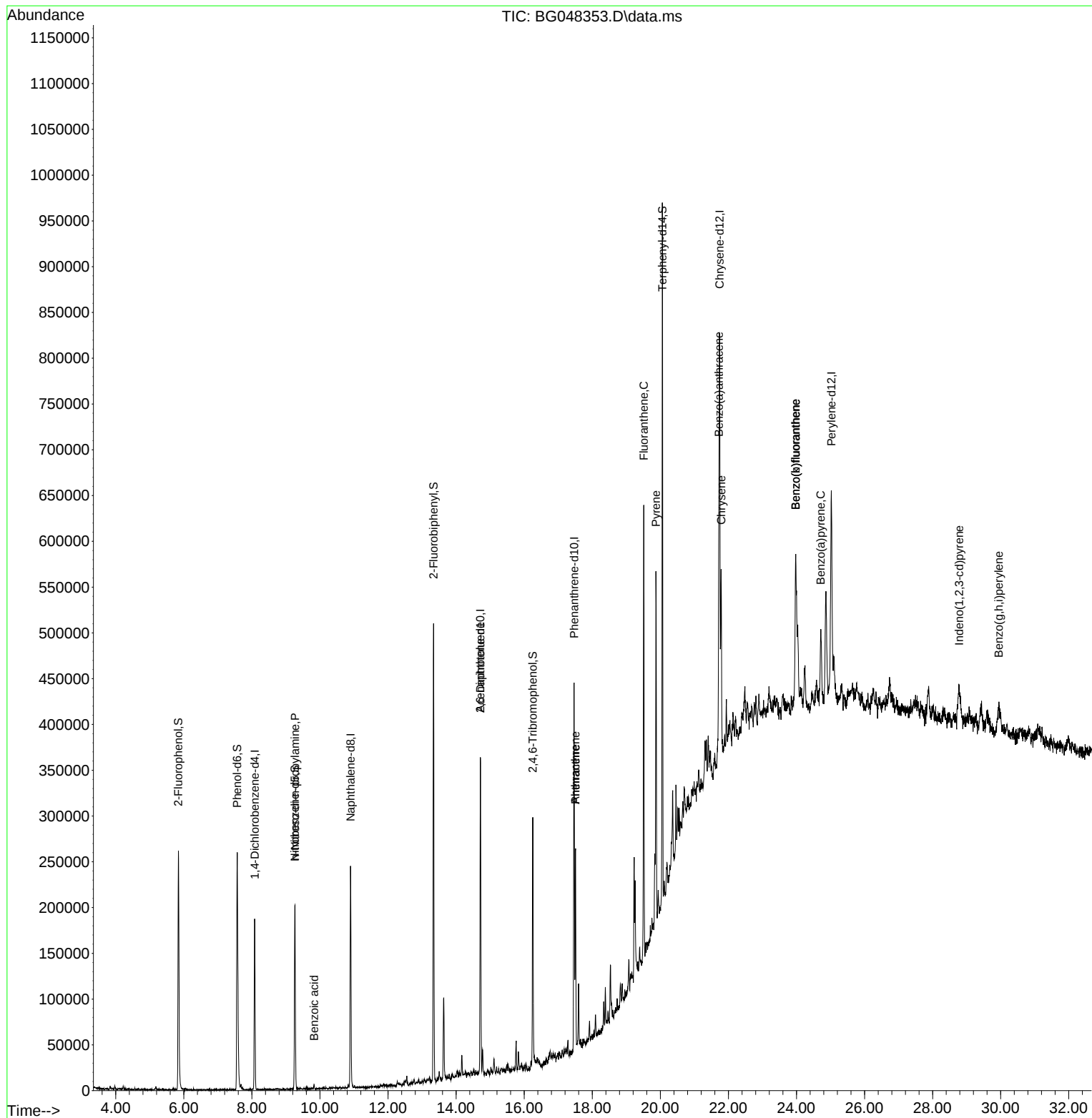
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.085	152	47592	20.00	ng	# 0.01
21) Naphthalene-d8	10.899	136	184777	20.00	ng	# 0.01
39) Acenaphthene-d10	14.712	164	118416	20.00	ng	0.00
64) Phenanthrene-d10	17.468	188	251546	20.00	ng	# 0.01
76) Chrysene-d12	21.740	240	257343	20.00	ng	# 0.01
86) Perylene-d12	25.024	264	259289	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.841	112	115221	41.21	ng	0.19
7) Phenol-d6	7.568	99	165711	39.01	ng	0.28
23) Nitrobenzene-d5	9.260	82	125082	28.63	ng	0.01
42) 2,4,6-Tribromophenol	16.252	330	53309	28.15	ng	0.05
45) 2-Fluorobiphenyl	13.338	172	244347	28.93	ng	0.01
79) Terphenyl-d14	20.059	244	324347	23.03	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.266	70	19096	5.82	ng	# 75
32) Benzoic acid	9.830	122	151	4.21	ng	# 1
51) 2,6-Dinitrotoluene	14.712	165	16835	7.57	ng	# 36
71) Phenanthrene	17.509	178	136133	9.97	ng	96
72) Anthracene	17.509	178	136133	10.04	ng	97
75) Fluoranthene	19.513	202	305905	17.20	ng	94
78) Pyrene	19.871	202	251902	14.02	ng	96
81) Benzo(a)anthracene	21.722	228	155734	8.68	ng	# 93
83) Chrysene	21.787	228	145698	8.50	ng	# 90
87) Indeno(1,2,3-cd)pyrene	28.784	276	77904	3.97	ng	# 53
88) Benzo(b)fluoranthene	23.978	252	204194	11.39	ng	# 94
89) Benzo(k)fluoranthene	23.978	252	204194	11.94	ng	# 94
90) Benzo(a)pyrene	24.713	252	102170	6.14	ng	96
92) Benzo(g,h,i)perylene	29.948	276	71562	4.39	ng	# 84

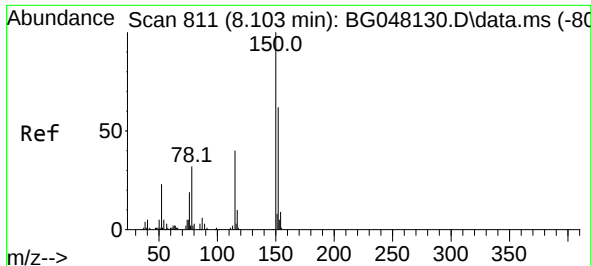
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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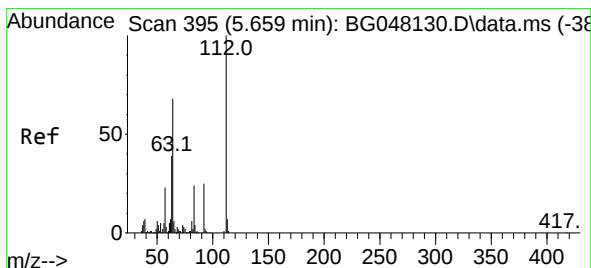
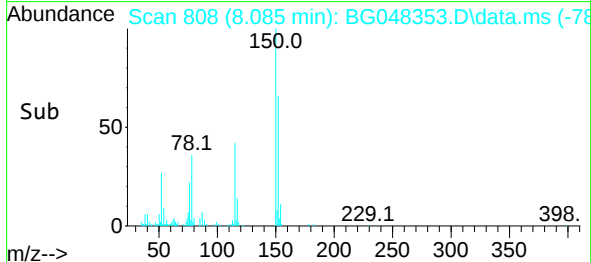
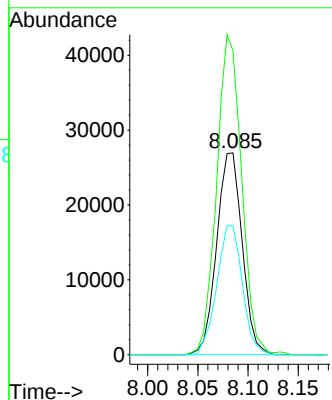
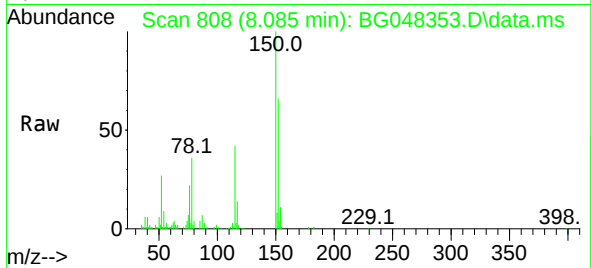




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.085 min Scan# 808
Delta R.T. 0.011 min
Lab File: BG048353.D
Acq: 6 Mar 2021 1:11

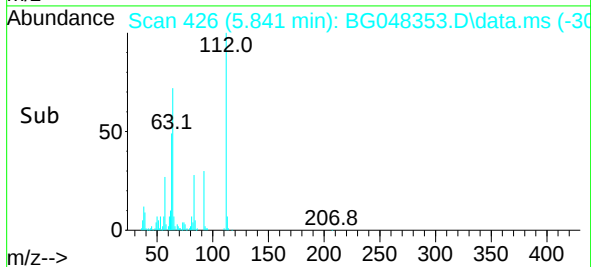
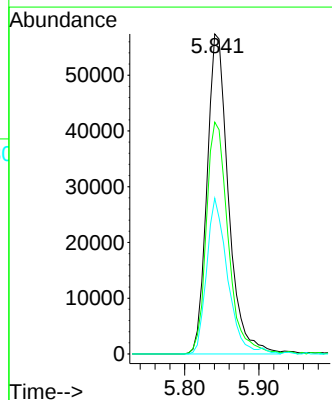
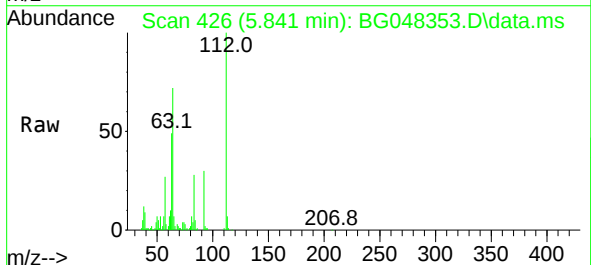
Instrument :
BNA_G
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TR-04-030321

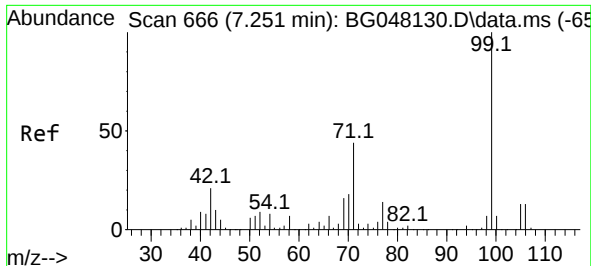
Tgt Ion:152 Resp: 47592
Ion Ratio Lower Upper
152 100
150 150.6 125.0 187.6
115 63.9 41.8 62.6#



#5
2-Fluorophenol
Concen: 41.21 ng
RT: 5.841 min Scan# 426
Delta R.T. 0.187 min
Lab File: BG048353.D
Acq: 6 Mar 2021 1:11

Tgt Ion:112 Resp: 115221
Ion Ratio Lower Upper
112 100
64 72.5 46.7 70.1#
63 48.7 22.8 34.2#

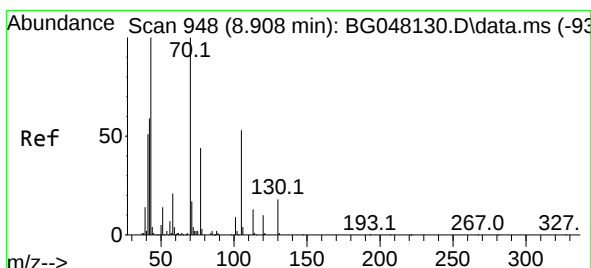
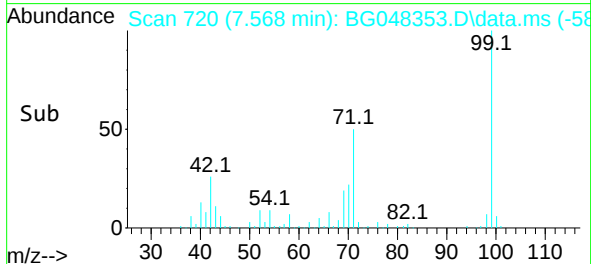
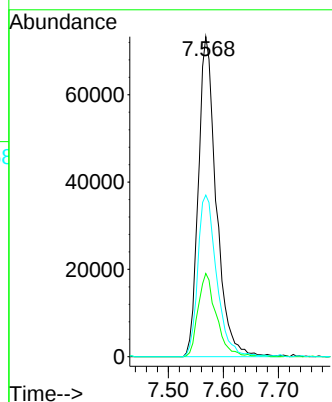
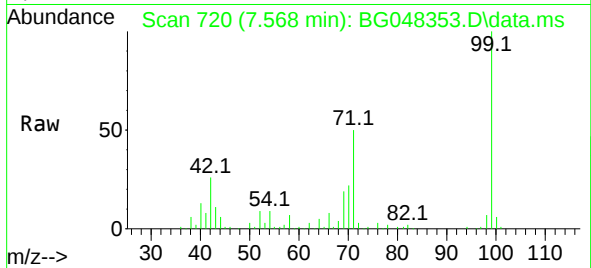




#7
Phenol-d6
Concen: 39.01 ng
RT: 7.568 min Scan# 720
Delta R.T. 0.281 min
Lab File: BG048353.D
Acq: 6 Mar 2021 1:11

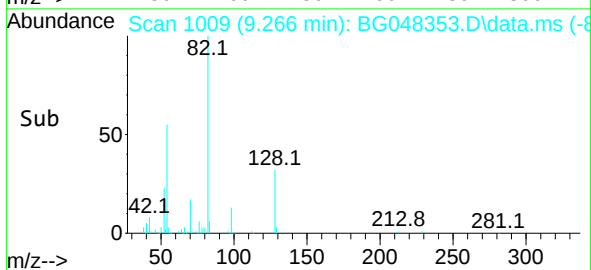
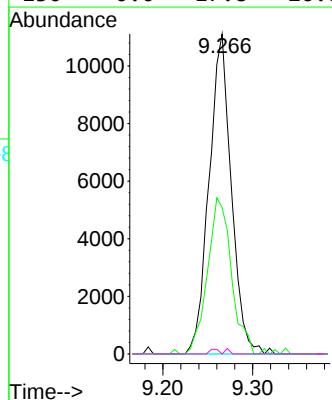
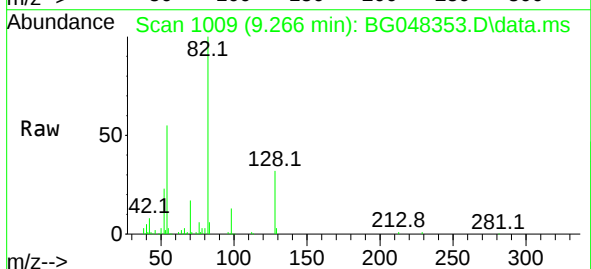
Instrument :
BNA_G
ClientSampleId :
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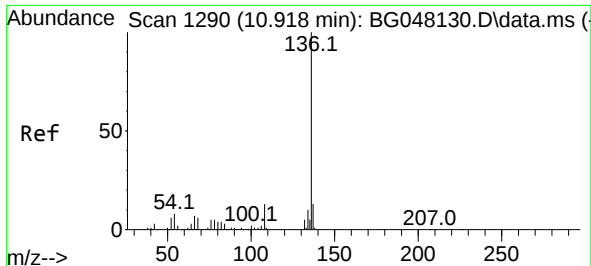
Tgt Ion: 99 Resp: 165711
Ion Ratio Lower Upper
99 100
42 26.0 12.8 19.2#
71 50.5 24.6 36.8#



#19
n-Nitroso-di-n-propylamine
Concen: 5.82 ng
RT: 9.266 min Scan# 1009
Delta R.T. 0.387 min
Lab File: BG048353.D
Acq: 6 Mar 2021 1:11

Tgt Ion: 70 Resp: 19096
Ion Ratio Lower Upper
70 100
42 45.8 45.6 68.4
101 0.0 8.4 12.6#
130 0.0 17.8 26.8#

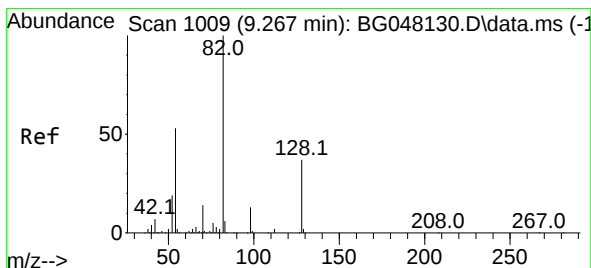
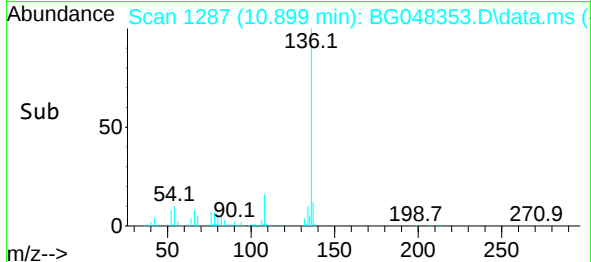
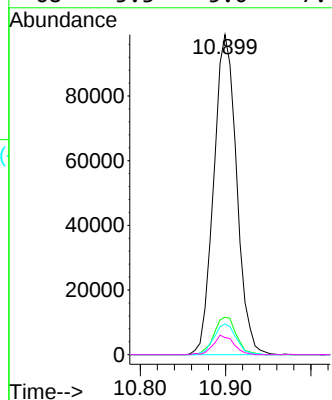
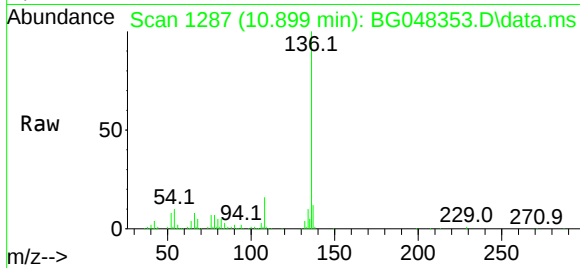




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.899 min Scan# 1287
Delta R.T. 0.011 min
Lab File: BG048353.D
Acq: 6 Mar 2021 1:11

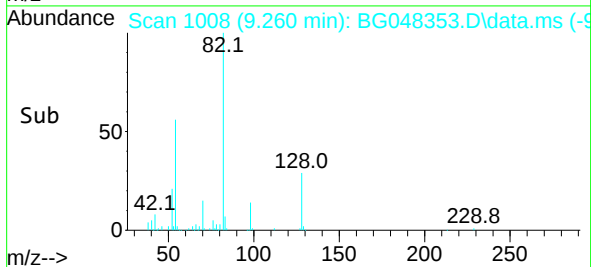
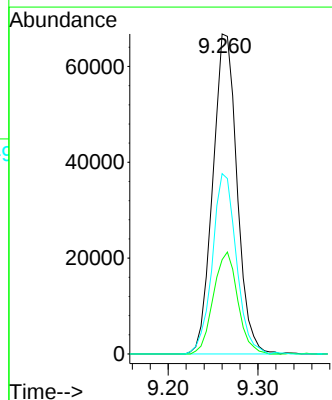
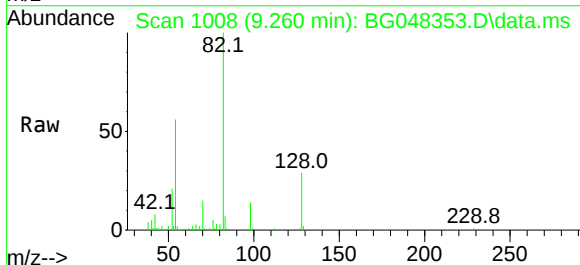
Instrument :
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ClientSampleId :
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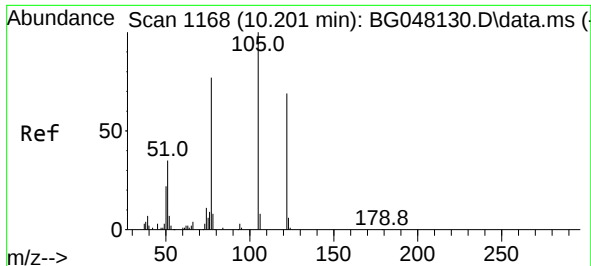
Tgt Ion:	136	Resp:	184777
Ion Ratio	Lower	Upper	
136	100		
137	11.8	9.1	13.7
54	9.6	6.2	9.4#
68	5.3	5.0	7.4



#23
Nitrobenzene-d5
Concen: 28.63 ng
RT: 9.260 min Scan# 1008
Delta R.T. 0.011 min
Lab File: BG048353.D
Acq: 6 Mar 2021 1:11

Tgt Ion:	82	Resp:	125082
Ion Ratio	Lower	Upper	
82	100		
128	29.5	37.0	55.6#
54	56.4	39.0	58.4

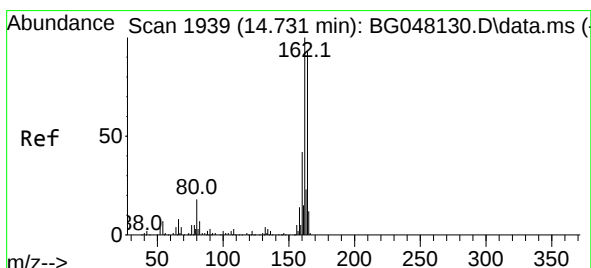
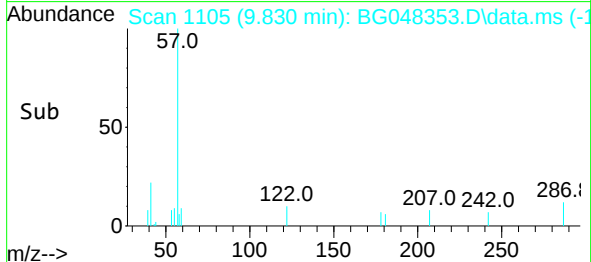
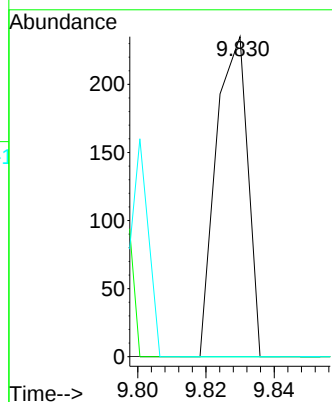
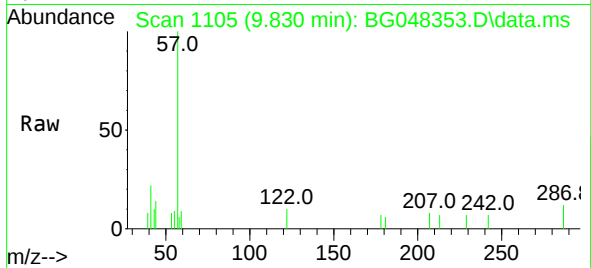




#32
Benzoic acid
Concen: 4.21 ng
RT: 9.830 min Scan# 1105
Delta R.T. -0.424 min
Lab File: BG048353.D
Acq: 6 Mar 2021 1:11

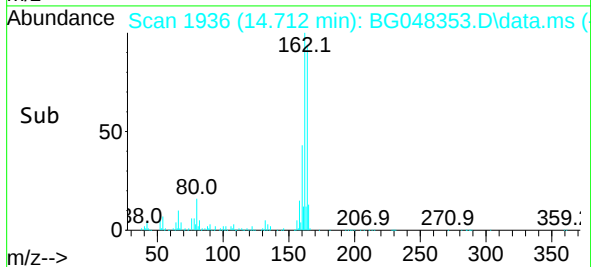
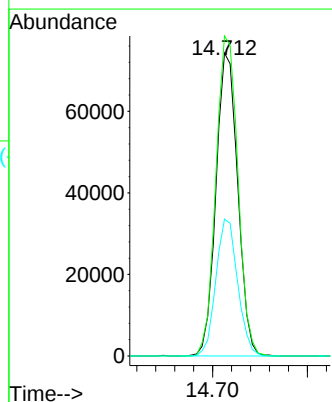
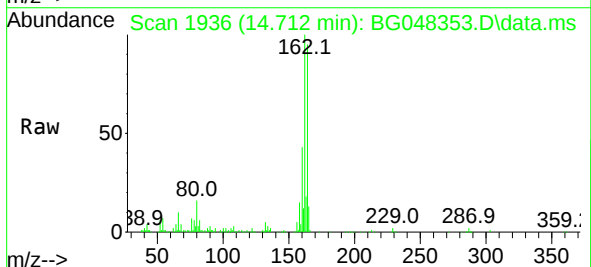
Instrument :
BNA_G
ClientSampleId :
TR-04-030321

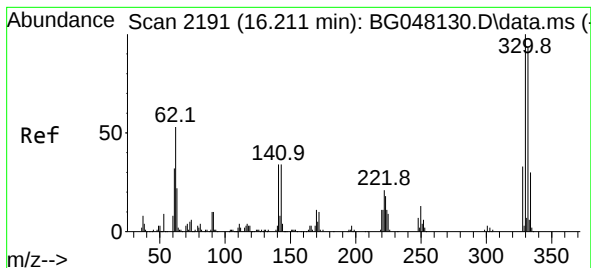
Tgt Ion:122 Resp: 151
Ion Ratio Lower Upper
122 100
105 0.0 103.7 143.7#
77 0.0 63.0 103.0#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.712 min Scan# 1936
Delta R.T. 0.005 min
Lab File: BG048353.D
Acq: 6 Mar 2021 1:11

Tgt Ion:164 Resp: 118416
Ion Ratio Lower Upper
164 100
162 105.7 82.3 123.5
160 45.2 35.3 52.9

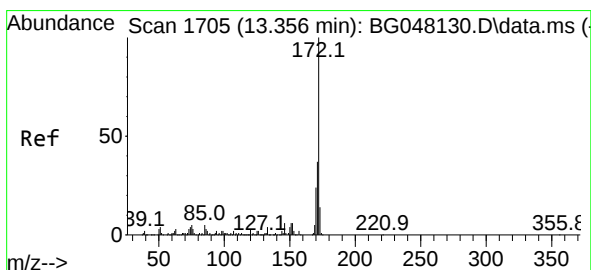
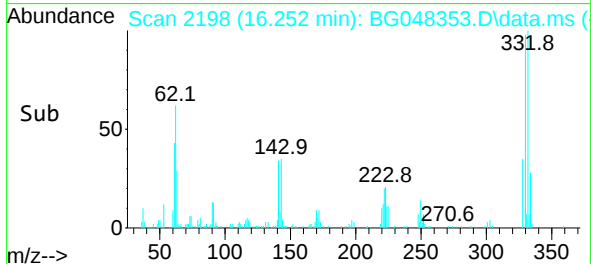
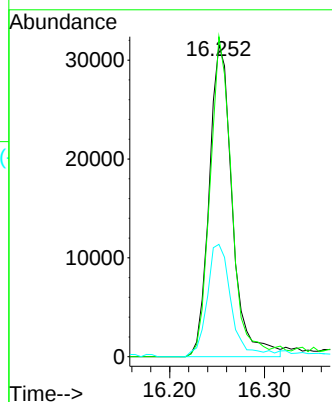
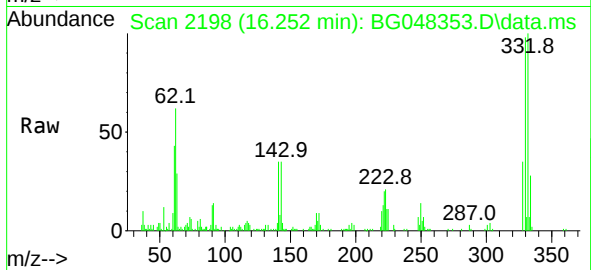




#42
2,4,6-Tribromophenol
Concen: 28.15 ng
RT: 16.252 min Scan# 2198
Delta R.T. 0.046 min
Lab File: BG048353.D
Acq: 6 Mar 2021 1:11

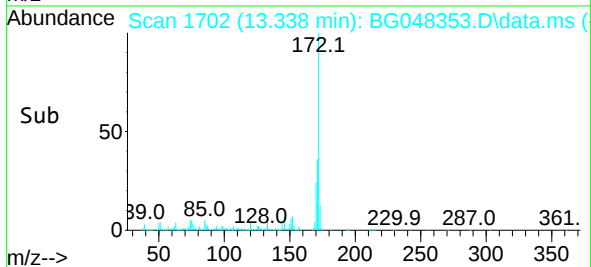
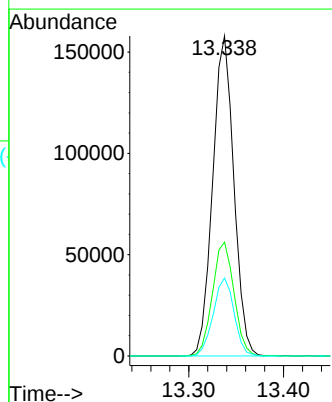
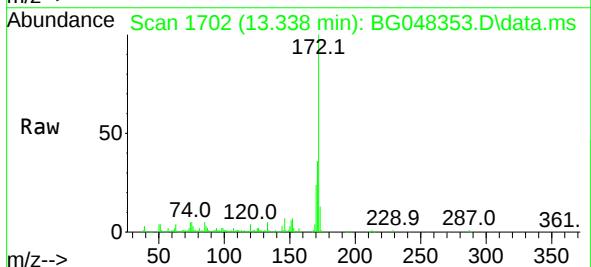
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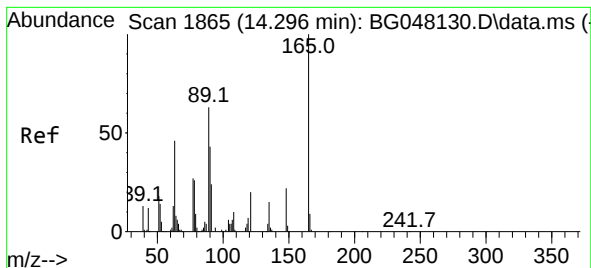
Tgt Ion:330 Resp: 53309
Ion Ratio Lower Upper
330 100
332 95.4 76.5 114.7
141 36.8 26.0 39.0



#45
2-Fluorobiphenyl
Concen: 28.93 ng
RT: 13.338 min Scan# 1702
Delta R.T. 0.011 min
Lab File: BG048353.D
Acq: 6 Mar 2021 1:11

Tgt Ion:172 Resp: 244347
Ion Ratio Lower Upper
172 100
171 35.6 31.3 46.9
170 24.3 20.8 31.2

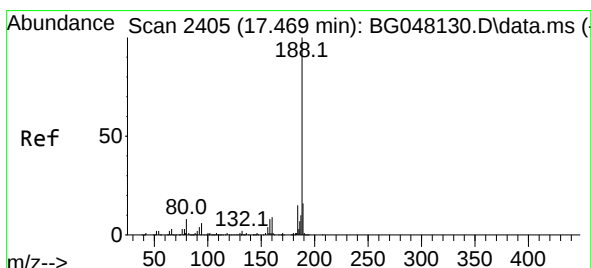
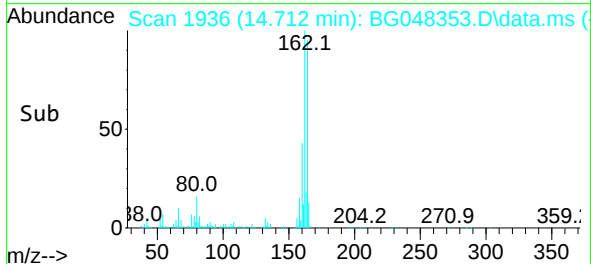
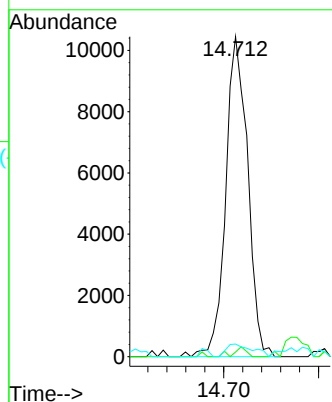
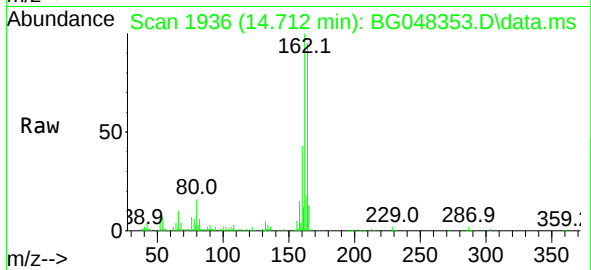




#51
2,6-Dinitrotoluene
Concen: 7.57 ng
RT: 14.712 min Scan# 1936
Delta R.T. 0.416 min
Lab File: BG048353.D
Acq: 6 Mar 2021 1:11

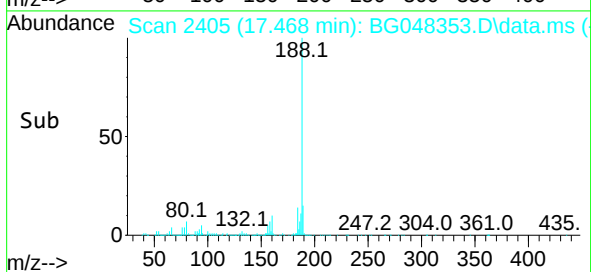
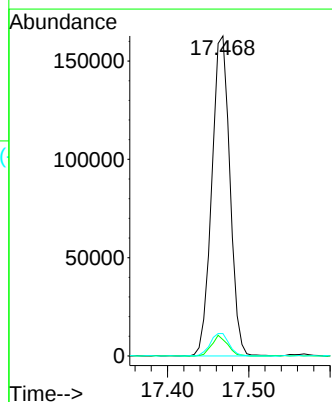
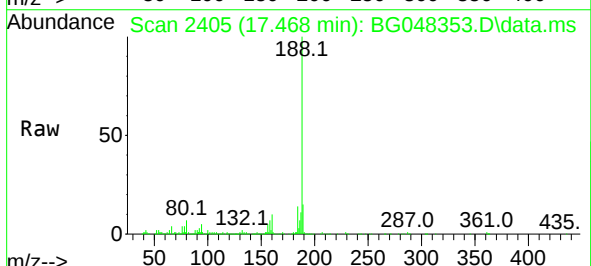
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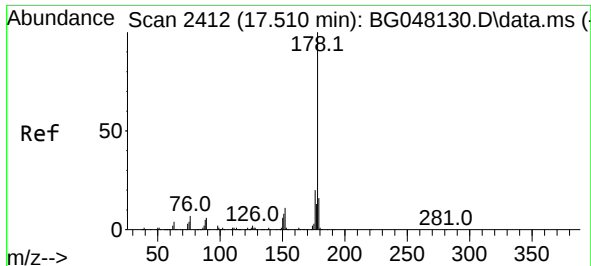
Tgt Ion:165 Resp: 16835
Ion Ratio Lower Upper
165 100
63 1.4 33.7 50.5#
89 3.9 36.6 54.8#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.468 min Scan# 2405
Delta R.T. 0.011 min
Lab File: BG048353.D
Acq: 6 Mar 2021 1:11

Tgt Ion:188 Resp: 251546
Ion Ratio Lower Upper
188 100
94 5.1 6.3 9.5#
80 7.0 7.0 10.6#

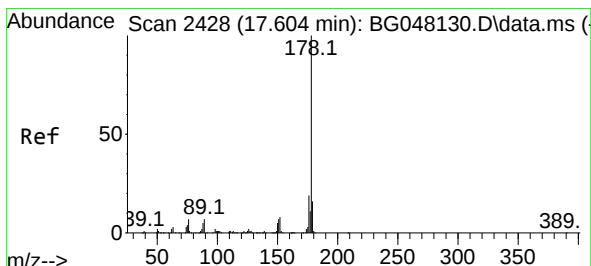
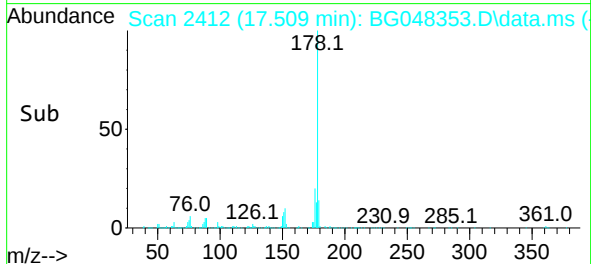
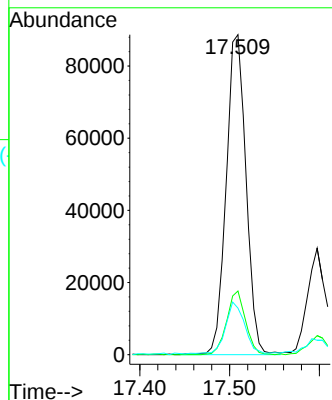
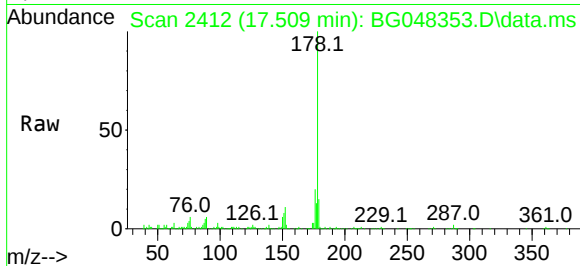




#71
Phenanthrene
Concen: 9.97 ng
RT: 17.509 min Scan# 2412
Delta R.T. 0.011 min
Lab File: BG048353.D
Acq: 6 Mar 2021 1:11

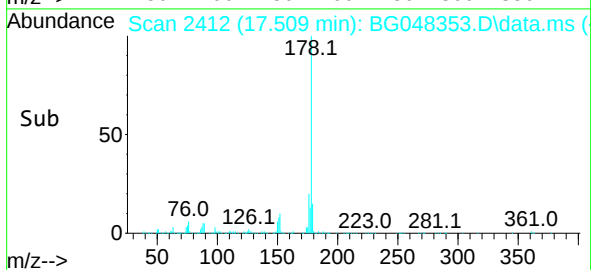
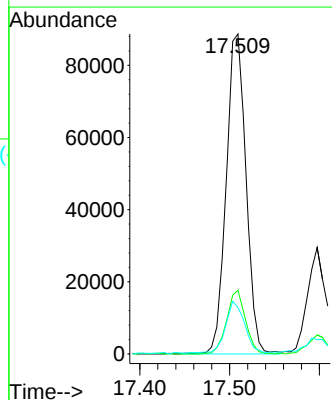
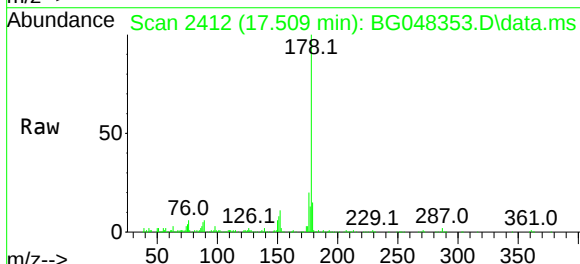
Instrument :
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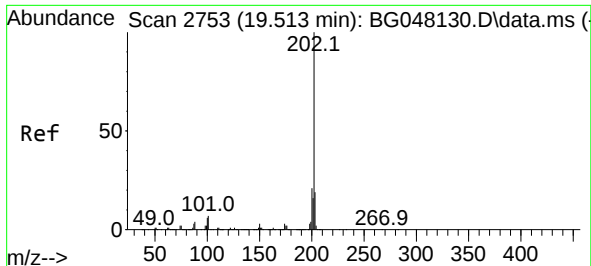
Tgt Ion:178 Resp: 136133
Ion Ratio Lower Upper
178 100
176 19.9 16.7 25.1
179 14.5 14.0 21.0



#72
Anthracene
Concen: 10.04 ng
RT: 17.509 min Scan# 2412
Delta R.T. -0.077 min
Lab File: BG048353.D
Acq: 6 Mar 2021 1:11

Tgt Ion:178 Resp: 136133
Ion Ratio Lower Upper
178 100
176 19.9 16.4 24.6
179 14.5 13.8 20.6

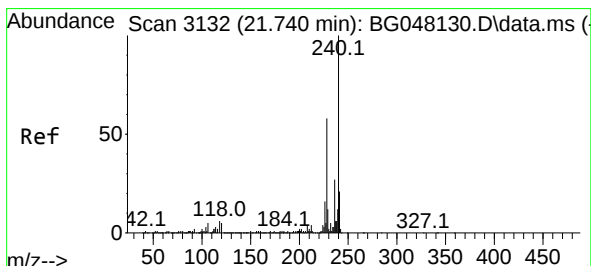
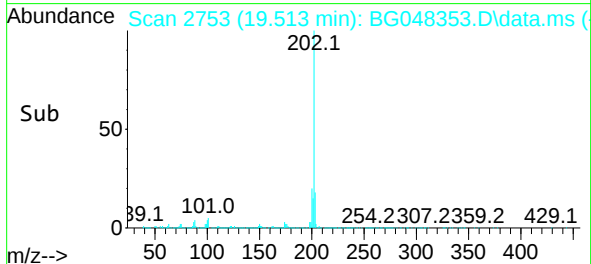
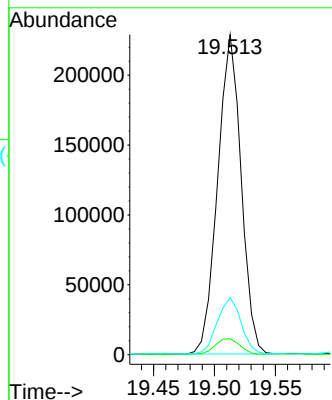
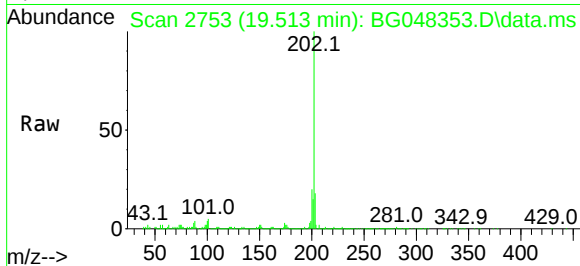




#75
Fluoranthene
Concen: 17.20 ng
RT: 19.513 min Scan# 2753
Delta R.T. 0.011 min
Lab File: BG048353.D
Acq: 6 Mar 2021 1:11

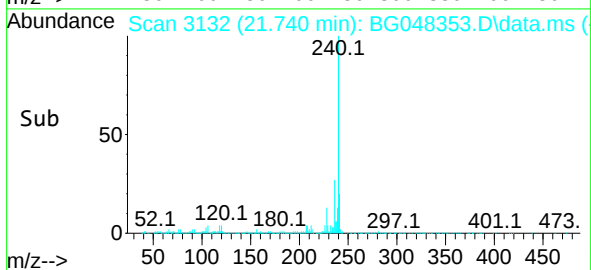
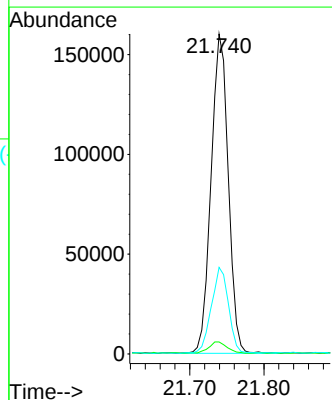
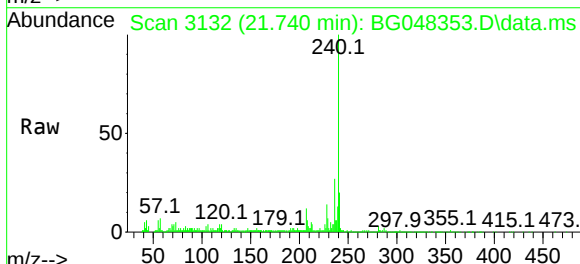
Instrument :
BNA_G
ClientSampleId :
TR-04-030321

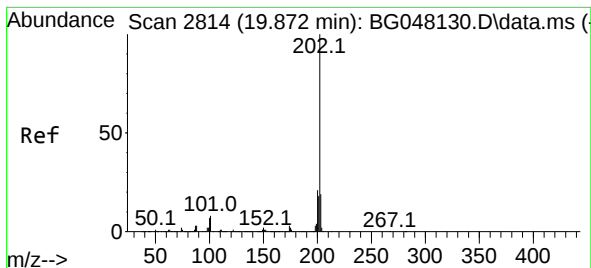
Tgt Ion:202 Resp: 305905
Ion Ratio Lower Upper
202 100
101 5.0 0.0 29.7
203 17.8 0.0 39.2



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.740 min Scan# 3132
Delta R.T. 0.011 min
Lab File: BG048353.D
Acq: 6 Mar 2021 1:11

Tgt Ion:240 Resp: 257343
Ion Ratio Lower Upper
240 100
120 3.8 6.2 9.4#
236 27.1 20.5 30.7





#78

Pyrene

Concen: 14.02 ng

RT: 19.871 min Scan# 2814

Delta R.T. 0.011 min

Lab File: BG048353.D

Acq: 6 Mar 2021 1:11

Tgt Ion:202 Resp: 251902

Ion Ratio Lower Upper

202 100

200 20.5 18.6 27.8

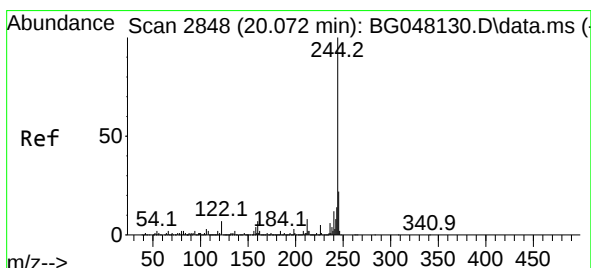
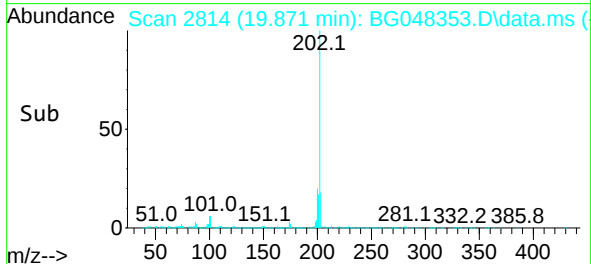
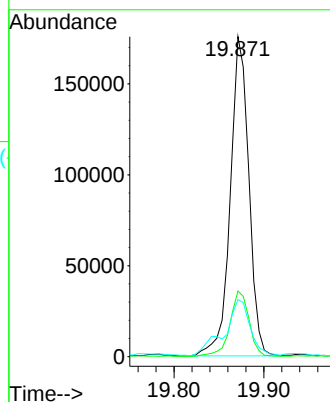
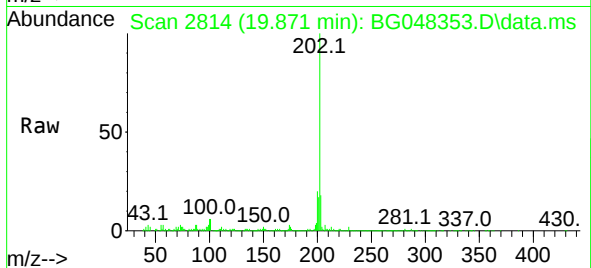
203 17.9 15.3 22.9

Instrument :

BNA_G

ClientSampleId :

TR-04-030321



#79

Terphenyl-d14

Concen: 23.03 ng

RT: 20.059 min Scan# 2846

Delta R.T. 0.005 min

Lab File: BG048353.D

Acq: 6 Mar 2021 1:11

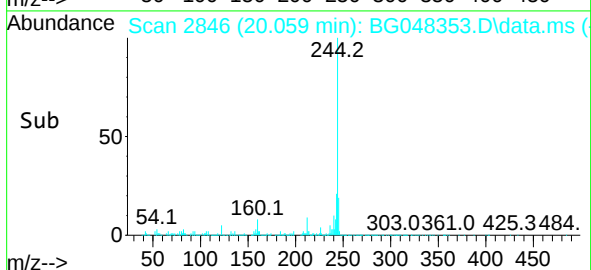
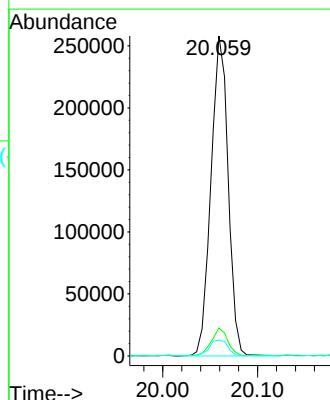
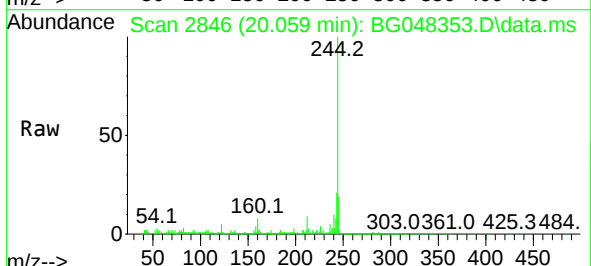
Tgt Ion:244 Resp: 324347

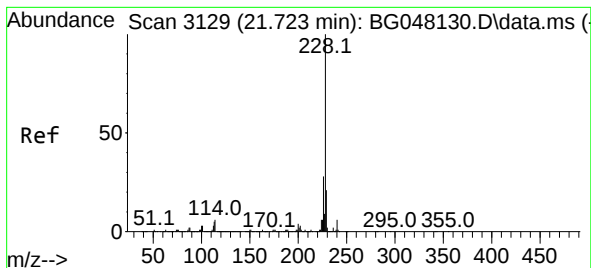
Ion Ratio Lower Upper

244 100

212 8.7 6.7 10.1

122 5.0 7.8 11.6#

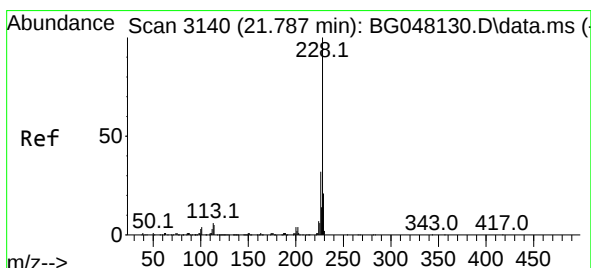
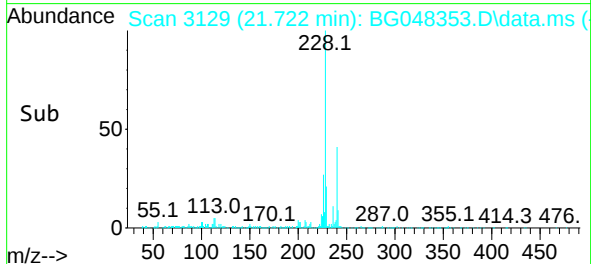
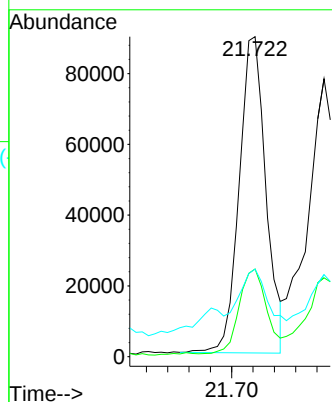
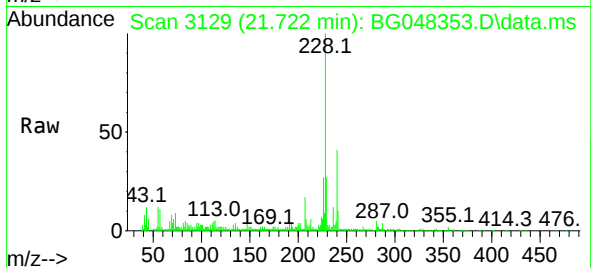




#81
Benzo(a)anthracene
Concen: 8.68 ng
RT: 21.722 min Scan# 3129
Delta R.T. 0.017 min
Lab File: BG048353.D
Acq: 6 Mar 2021 1:11

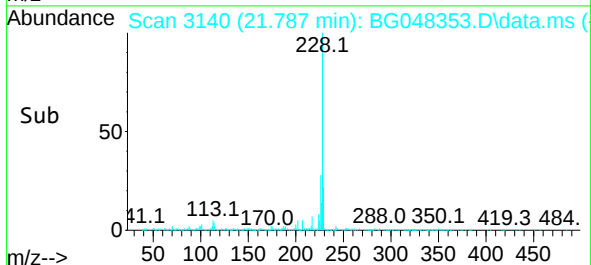
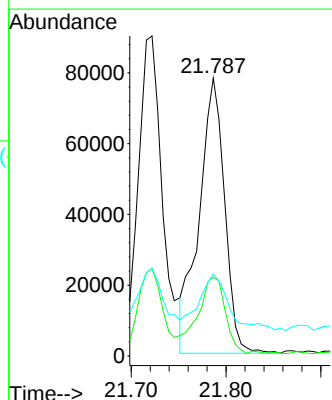
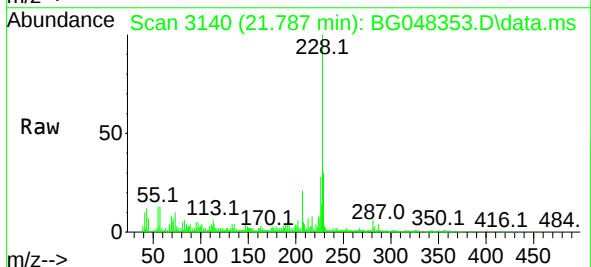
Instrument :
BNA_G
ClientSampleId :
TR-04-030321

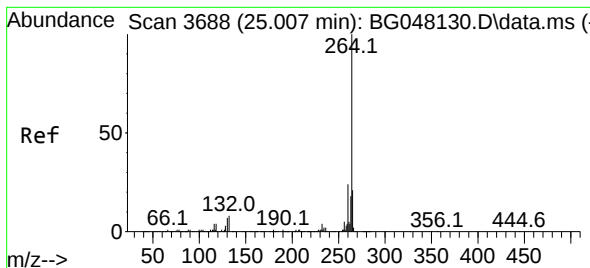
Tgt Ion:228 Resp: 155734
Ion Ratio Lower Upper
228 100
226 27.4 23.3 34.9
229 27.3 17.4 26.0#



#83
Chrysene
Concen: 8.50 ng
RT: 21.787 min Scan# 3140
Delta R.T. 0.011 min
Lab File: BG048353.D
Acq: 6 Mar 2021 1:11

Tgt Ion:228 Resp: 145698
Ion Ratio Lower Upper
228 100
226 28.4 25.0 37.4
229 29.6 17.3 25.9#

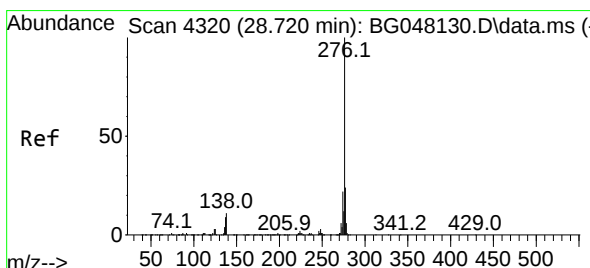
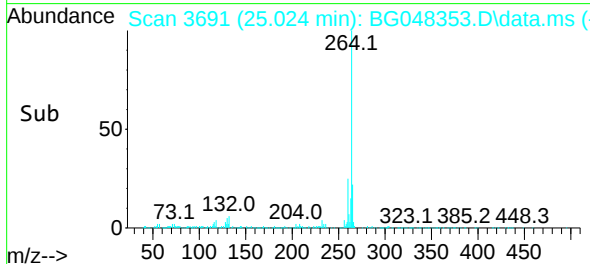
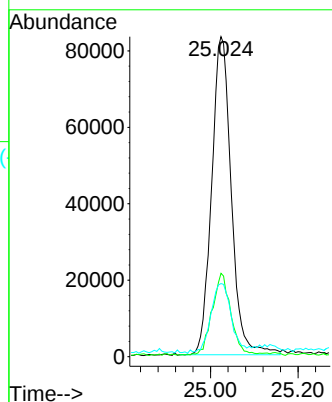
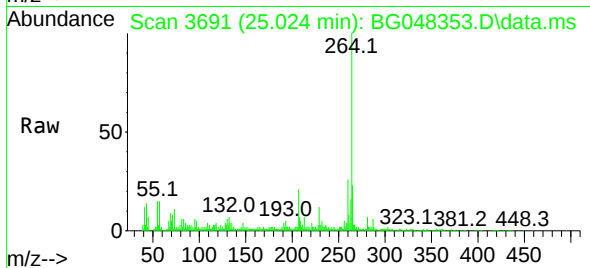




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.024 min Scan# 3691
Delta R.T. 0.035 min
Lab File: BG048353.D
Acq: 6 Mar 2021 1:11

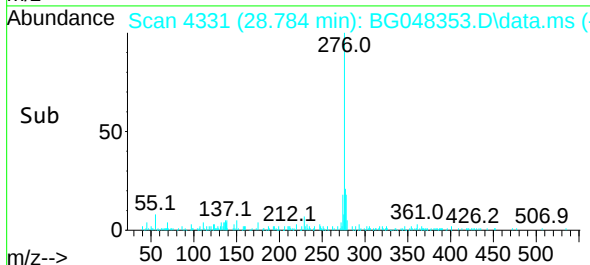
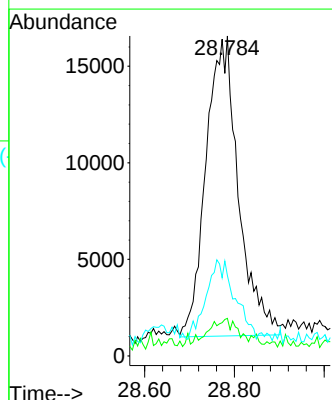
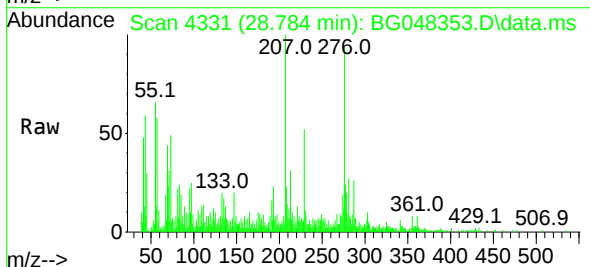
Instrument :
BNA_G
ClientSampleId :
TR-04-030321

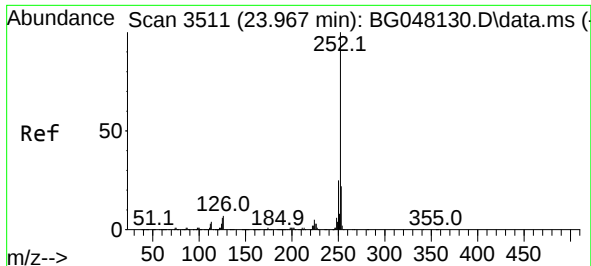
Tgt Ion:264 Resp: 259289
Ion Ratio Lower Upper
264 100
260 26.1 18.8 28.2
265 22.9 17.8 26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.97 ng
RT: 28.784 min Scan# 4331
Delta R.T. 0.070 min
Lab File: BG048353.D
Acq: 6 Mar 2021 1:11

Tgt Ion:276 Resp: 77904
Ion Ratio Lower Upper
276 100
138 0.0 16.2 24.2#
277 0.0 20.3 30.5#

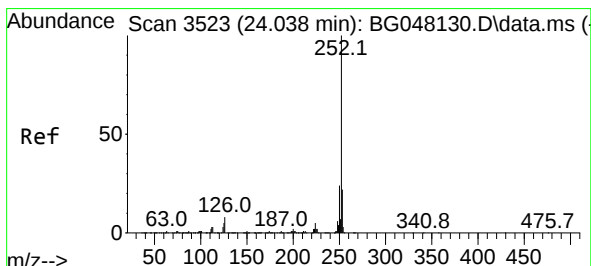
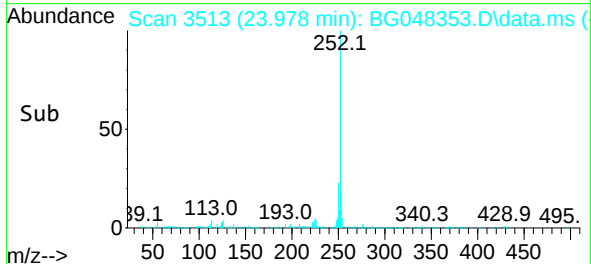
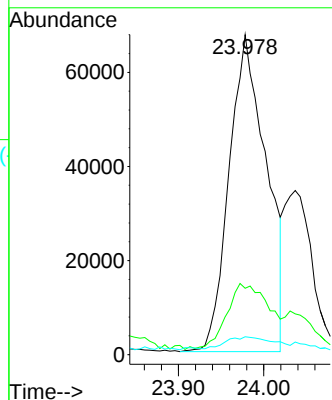
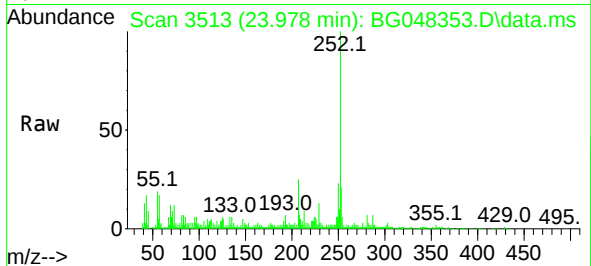




#88
Benzo(b)fluoranthene
Concen: 11.39 ng
RT: 23.978 min Scan# 3513
Delta R.T. 0.029 min
Lab File: BG048353.D
Acq: 6 Mar 2021 1:11

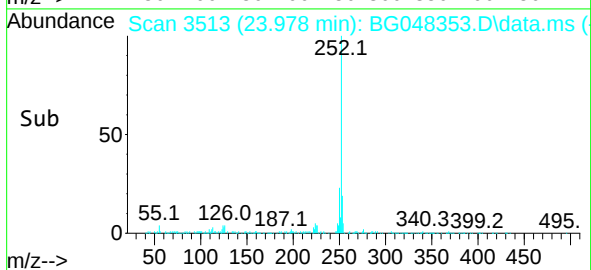
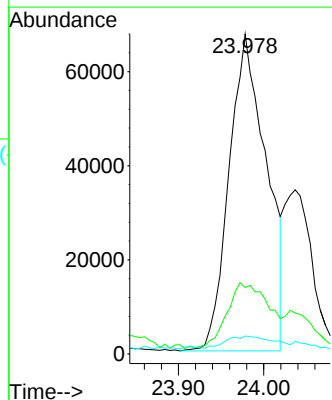
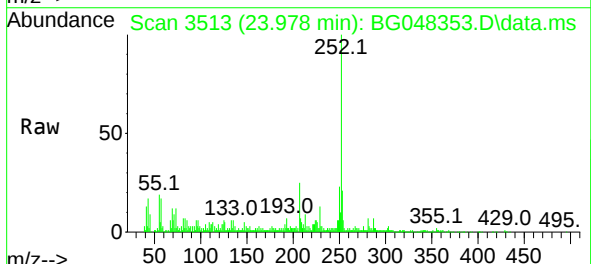
Instrument :
BNA_G
ClientSampleId :
TR-04-030321

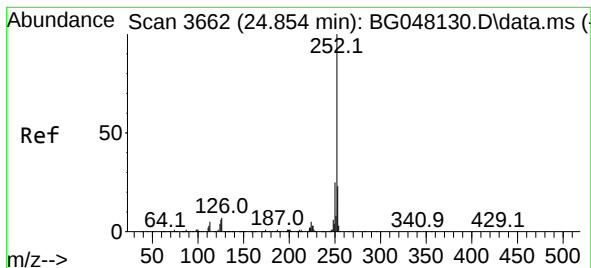
Tgt Ion:252 Resp: 204194
Ion Ratio Lower Upper
252 100
253 20.8 18.7 28.1
125 5.6 6.5 9.7#



#89
Benzo(k)fluoranthene
Concen: 11.94 ng
RT: 23.978 min Scan# 3513
Delta R.T. -0.042 min
Lab File: BG048353.D
Acq: 6 Mar 2021 1:11

Tgt Ion:252 Resp: 204194
Ion Ratio Lower Upper
252 100
253 20.8 18.6 27.8
125 5.6 6.8 10.2#





#90

Benzo(a)pyrene

Concen: 6.14 ng

RT: 24.713 min Scan# 3638

Delta R.T. -0.118 min

Lab File: BG048353.D

Acq: 6 Mar 2021 1:11

Tgt Ion:252 Resp: 102170

Ion Ratio Lower Upper

252 100

253 24.8 17.9 26.9

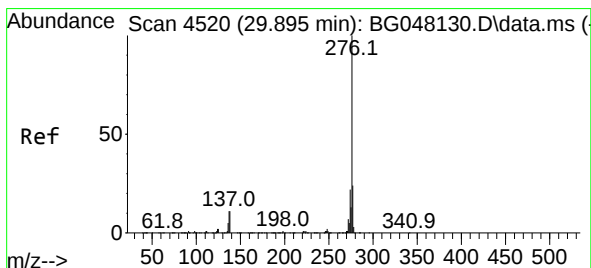
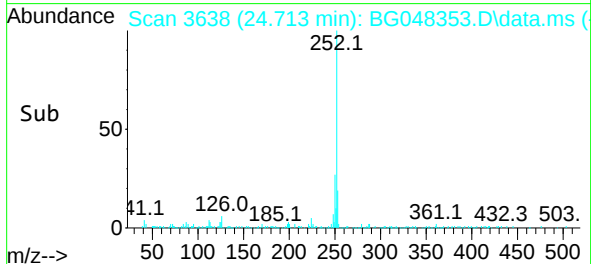
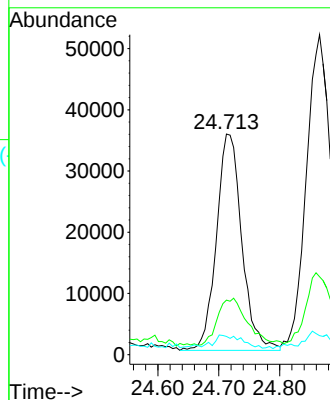
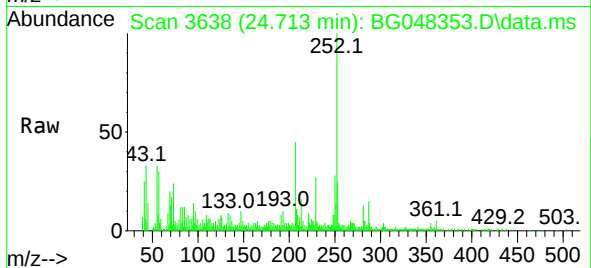
125 8.3 7.0 10.4

Instrument :

BNA_G

ClientSampleId :

TR-04-030321



#92

Benzo(g,h,i)perylene

Concen: 4.39 ng

RT: 29.948 min Scan# 4529

Delta R.T. 0.058 min

Lab File: BG048353.D

Acq: 6 Mar 2021 1:11

Tgt Ion:276 Resp: 71562

Ion Ratio Lower Upper

276 100

277 32.7 19.6 29.4#

138 10.1 13.4 20.2#

