

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042222\
 Data File : BG053275.D
 Acq On : 23 Apr 2022 00:08
 Operator : CG/JU
 Sample : N2487-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 UST-1-S

Quant Time: Apr 24 01:17:08 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Apr 24 01:13:30 2022
 Response via : Initial Calibration

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

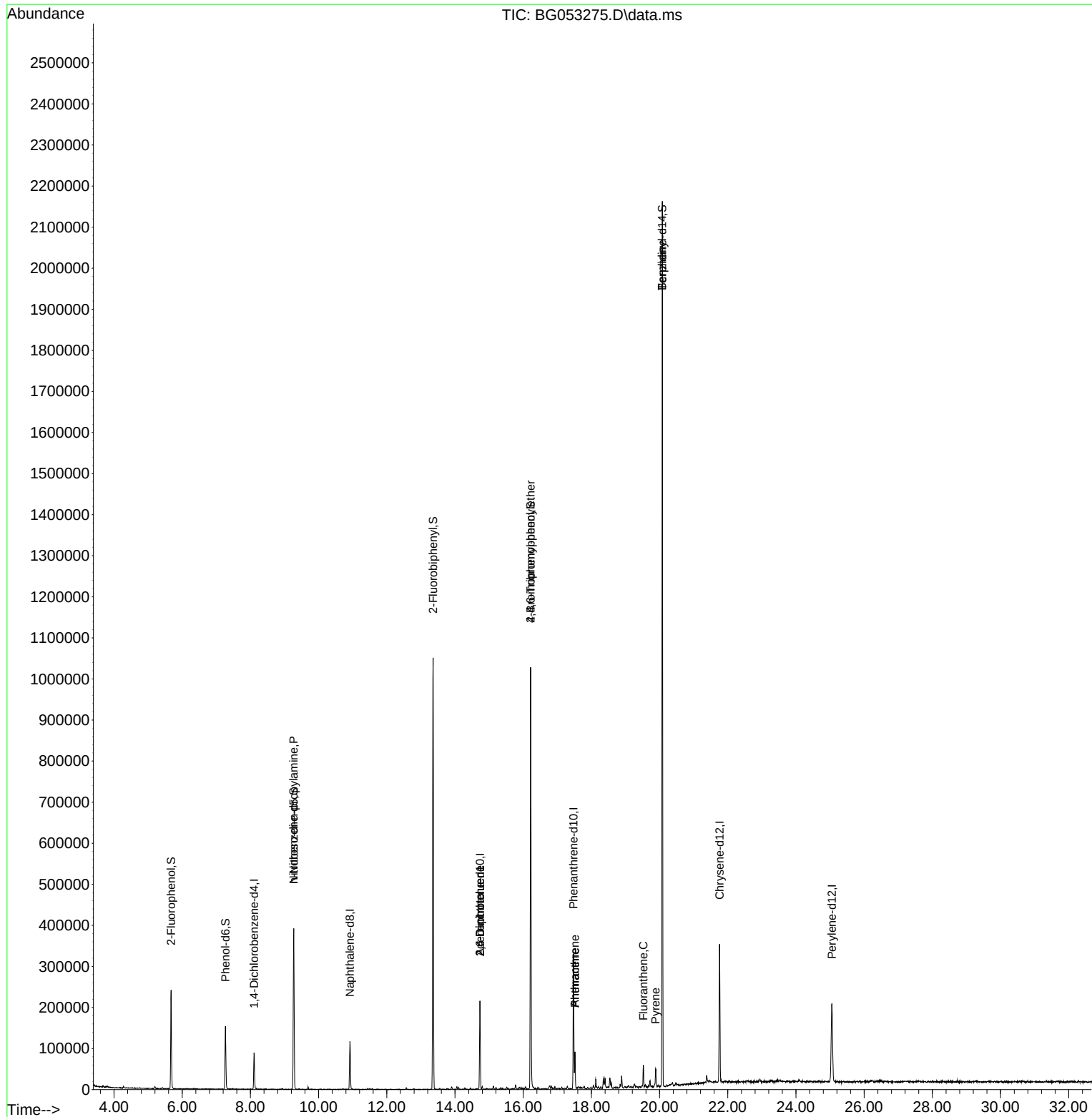
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.106	152	24038	20.000	ng	0.00
21) Naphthalene-d8	10.920	136	99534	20.000	ng	# 0.00
39) Acenaphthene-d10	14.732	164	79081	20.000	ng	0.00
64) Phenanthrene-d10	17.475	188	204707	20.000	ng	0.00
76) Chrysene-d12	21.758	240	212132	20.000	ng	0.00
86) Perylene-d12	25.053	264	218058	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.674	112	99581	71.013	ng	0.00
7) Phenol-d6	7.266	99	88919	41.119	ng	0.00
23) Nitrobenzene-d5	9.269	82	248700	101.454	ng	0.00
42) 2,4,6-Tribromophenol	16.218	330	210190	167.063	ng	0.00
45) 2-Fluorobiphenyl	13.357	172	561889	97.974	ng	0.00
79) Terphenyl-d14	20.078	244	1095236	87.198	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.269	70	34614	21.864	ng	# 80
51) 2,6-Dinitrotoluene	14.732	165	10523	7.975	ng	# 26
57) 2,4-Dinitrotoluene	14.732	165	10523	5.601	ng	# 24
67) 4-Bromophenyl-phenylether	16.218	248	13859	5.284	ng	# 1
71) Phenanthrene	17.516	178	58093	5.195	ng	97
72) Anthracene	17.516	178	58093	5.244	ng	95
75) Fluoranthene	19.526	202	34875	2.433	ng	99
77) Benzidine	20.078	184	18565	3.067	ng	# 92
78) Pyrene	19.884	202	30221	2.000	ng	97

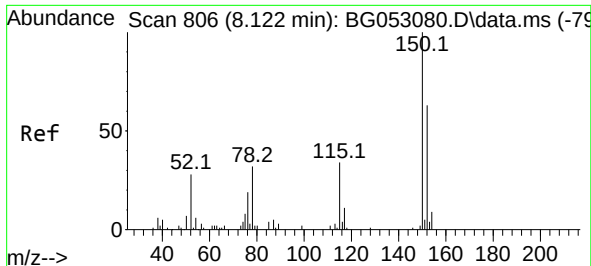
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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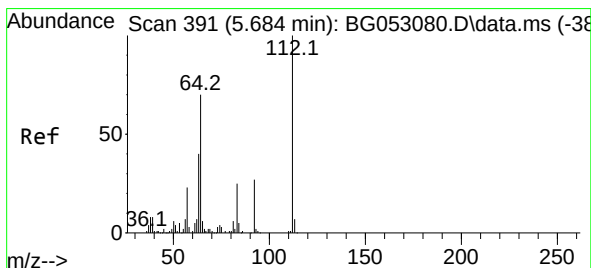
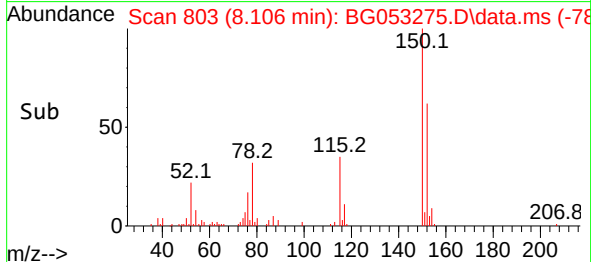
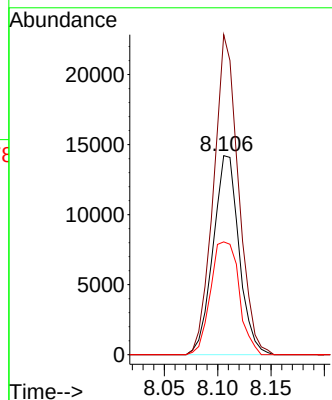
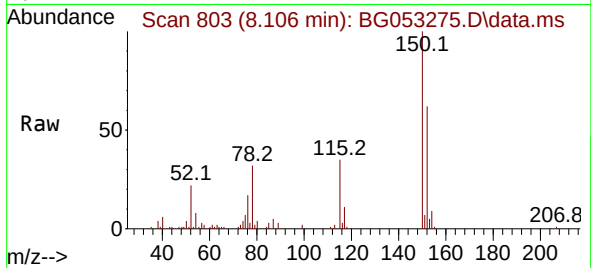




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.106 min Scan# 806
Delta R.T. -0.007 min
Lab File: BG053275.D
Acq: 23 Apr 2022 00:08

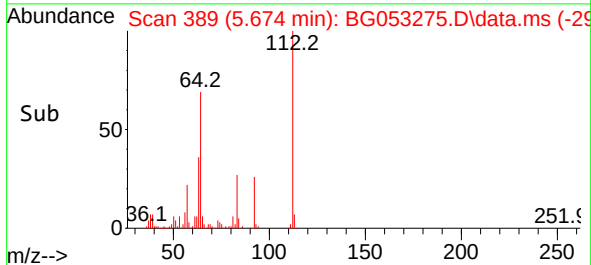
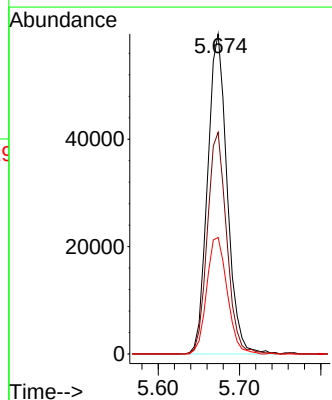
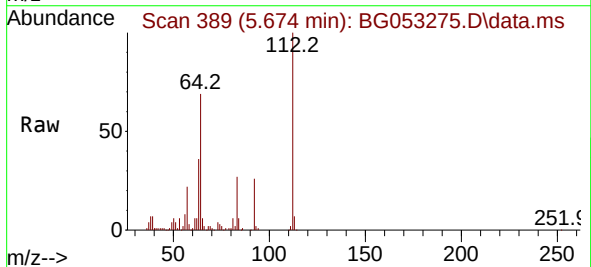
Instrument :
BNA_G
ClientSampleId :
UST-1-S

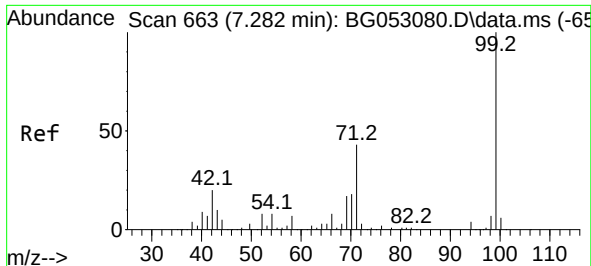
Tgt Ion:152 Resp: 24038
Ion Ratio Lower Upper
152 100
150 160.7 114.6 172.0
115 56.7 45.9 68.9



#5
2-Fluorophenol
Concen: 71.013 ng
RT: 5.674 min Scan# 389
Delta R.T. -0.002 min
Lab File: BG053275.D
Acq: 23 Apr 2022 00:08

Tgt Ion:112 Resp: 99581
Ion Ratio Lower Upper
112 100
64 69.3 48.0 72.0
63 36.4 26.5 39.7

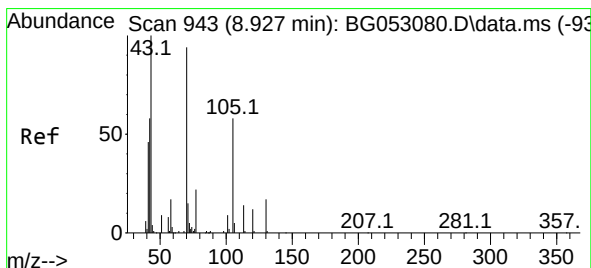
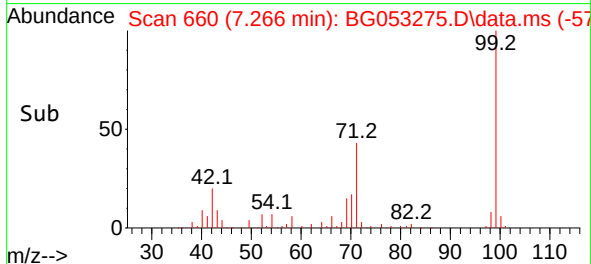
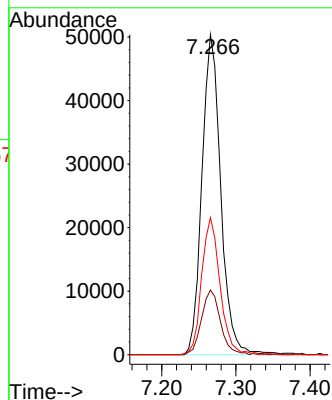
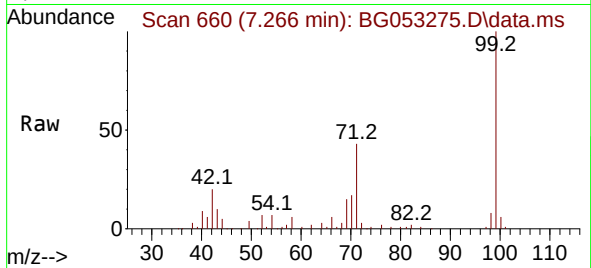




#7
Phenol-d6
Concen: 41.119 ng
RT: 7.266 min Scan# 60
Delta R.T. -0.008 min
Lab File: BG053275.D
Acq: 23 Apr 2022 00:08

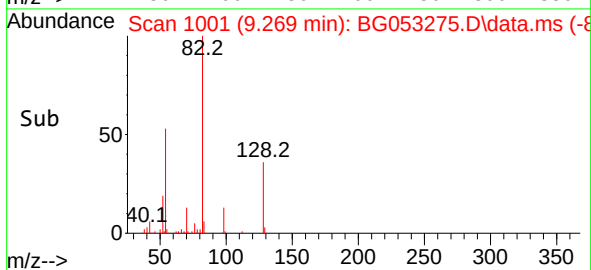
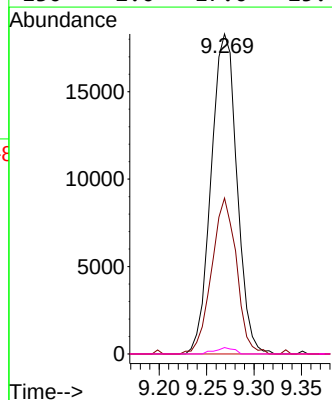
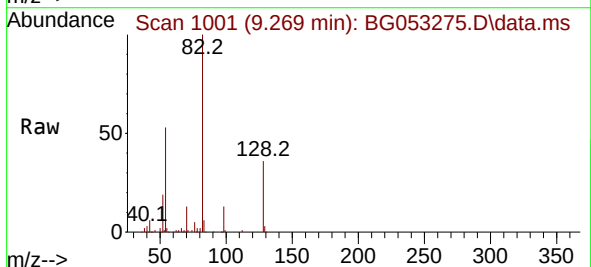
Instrument :
BNA_G
ClientSampleId :
UST-1-S

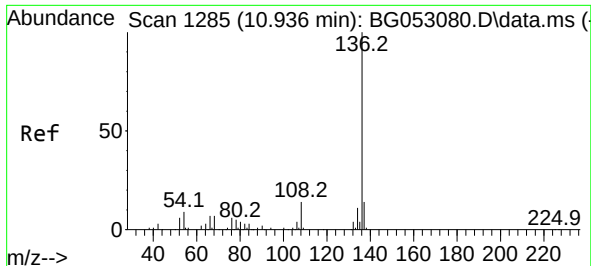
Tgt Ion: 99 Resp: 88919
Ion Ratio Lower Upper
99 100
42 20.2 14.7 22.1
71 42.8 29.2 43.8



#19
n-Nitroso-di-n-propylamine
Concen: 21.864 ng
RT: 9.269 min Scan# 1001
Delta R.T. 0.356 min
Lab File: BG053275.D
Acq: 23 Apr 2022 00:08

Tgt Ion: 70 Resp: 34614
Ion Ratio Lower Upper
70 100
42 48.7 46.0 69.0
101 0.0 6.2 9.4#
130 2.0 17.0 25.4#

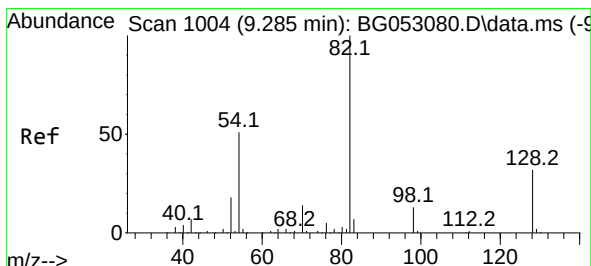
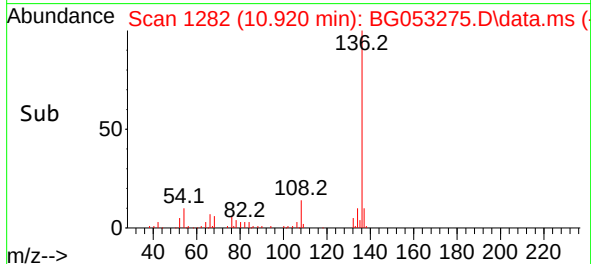
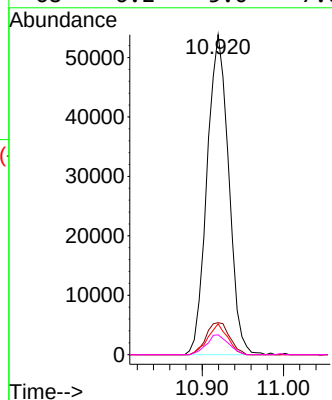
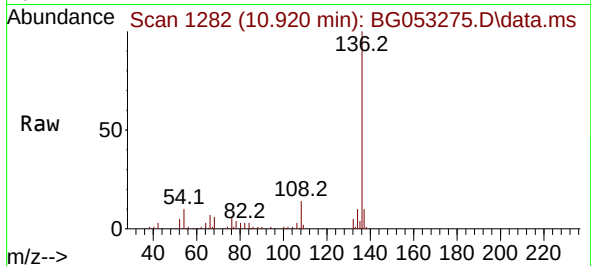




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.920 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG053275.D
Acq: 23 Apr 2022 00:08

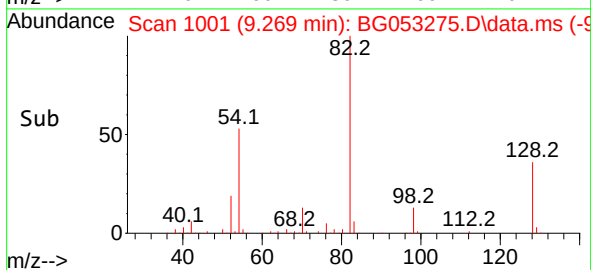
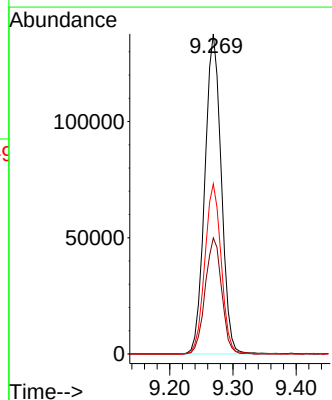
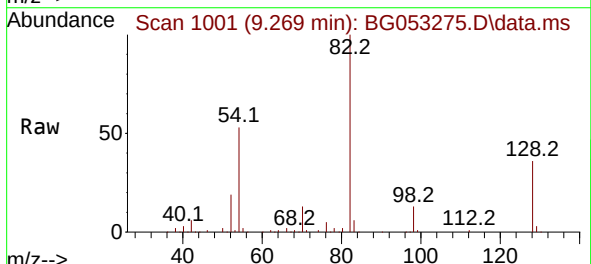
Instrument :
BNA_G
ClientSampleId :
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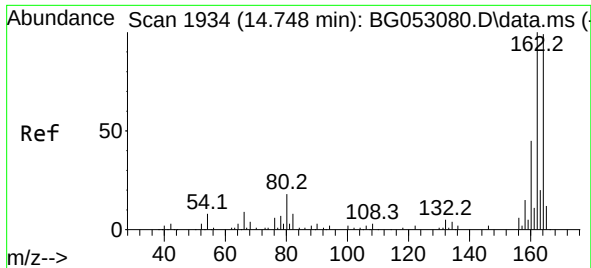
Tgt Ion:136	Resp:	99534
Ion Ratio	Lower	Upper
136	100	
137	10.0	9.4 14.2
54	9.6	6.4 9.6#
68	6.2	5.0 7.6



#23
Nitrobenzene-d5
Concen: 101.454 ng
RT: 9.269 min Scan# 1001
Delta R.T. -0.008 min
Lab File: BG053275.D
Acq: 23 Apr 2022 00:08

Tgt Ion: 82	Resp:	248700
Ion Ratio	Lower	Upper
82	100	
128	36.3	31.3 46.9
54	53.2	37.8 56.8

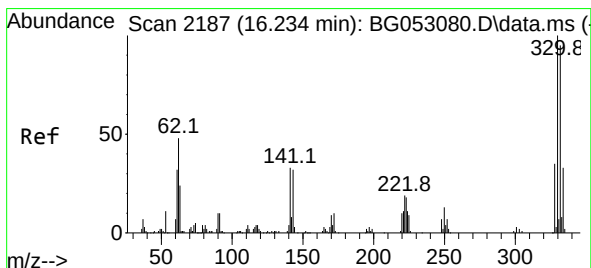
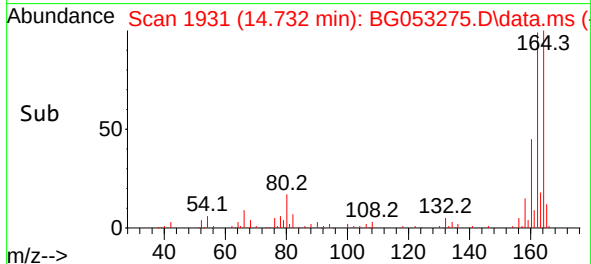
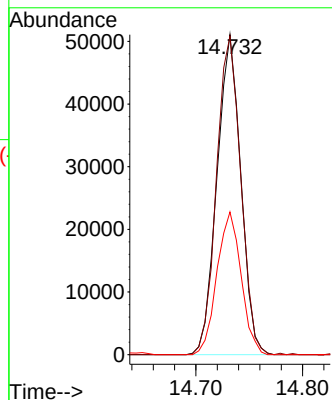
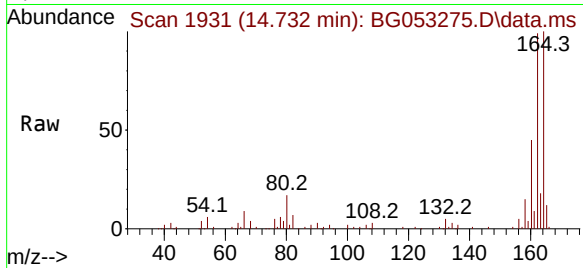




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.732 min Scan# 1931
Delta R.T. -0.002 min
Lab File: BG053275.D
Acq: 23 Apr 2022 00:08

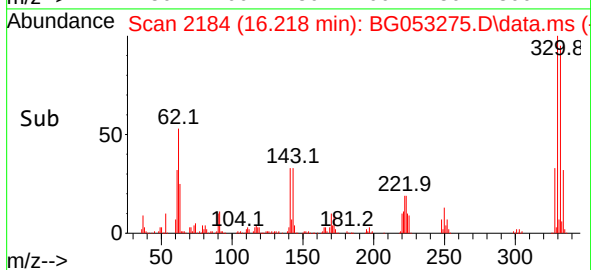
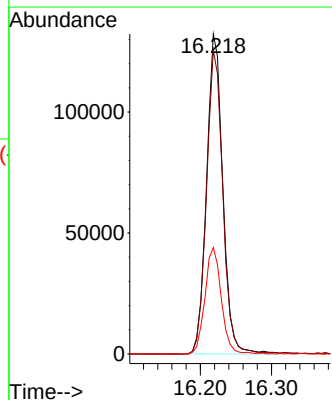
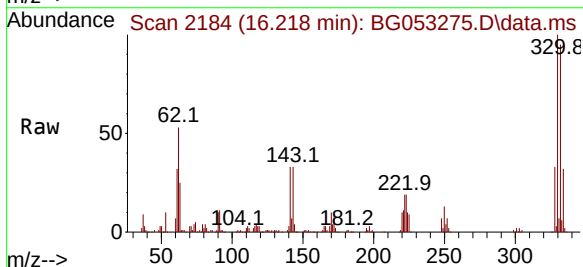
Instrument :
BNA_G
ClientSampleId :
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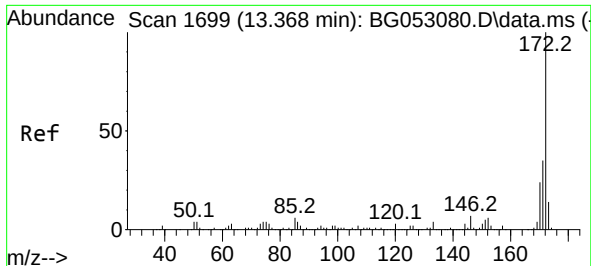
Tgt Ion:164 Resp: 79081
Ion Ratio Lower Upper
164 100
162 99.5 80.0 120.0
160 44.6 38.8 58.2



#42
2,4,6-Tribromophenol
Concen: 167.063 ng
RT: 16.218 min Scan# 2184
Delta R.T. -0.008 min
Lab File: BG053275.D
Acq: 23 Apr 2022 00:08

Tgt Ion:330 Resp: 210190
Ion Ratio Lower Upper
330 100
332 95.1 75.8 113.6
141 33.5 24.6 36.8

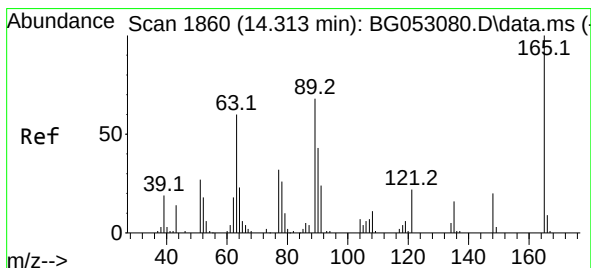
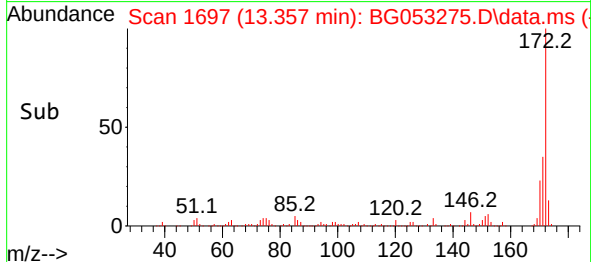
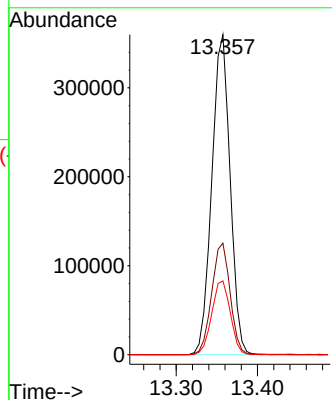
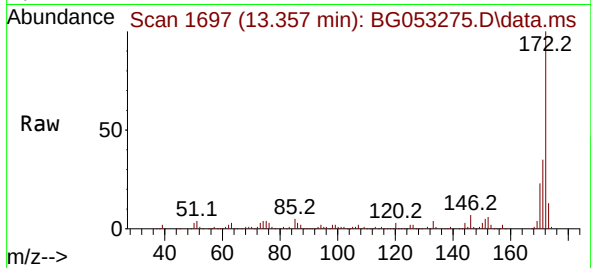




#45
2-Fluorobiphenyl
Concen: 97.974 ng
RT: 13.357 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG053275.D
Acq: 23 Apr 2022 00:08

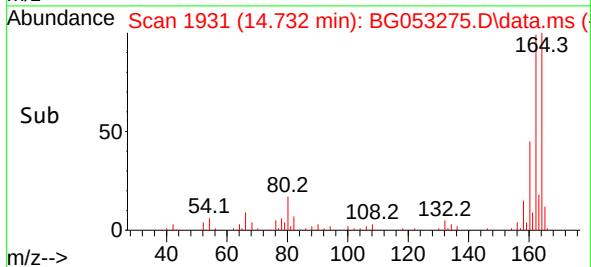
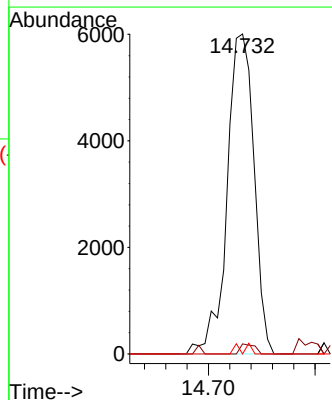
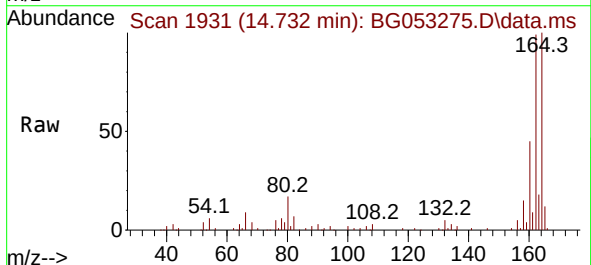
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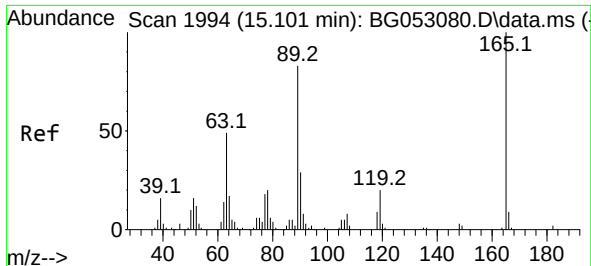
Tgt Ion:172 Resp: 561889
Ion Ratio Lower Upper
172 100
171 34.9 28.3 42.5
170 23.1 18.0 27.0



#51
2,6-Dinitrotoluene
Concen: 7.975 ng
RT: 14.732 min Scan# 1931
Delta R.T. 0.427 min
Lab File: BG053275.D
Acq: 23 Apr 2022 00:08

Tgt Ion:165 Resp: 10523
Ion Ratio Lower Upper
165 100
63 3.1 43.7 65.5#
89 0.0 45.0 67.4#

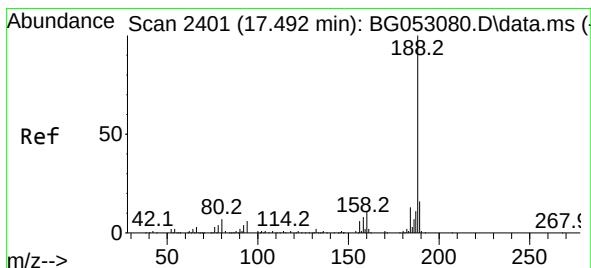
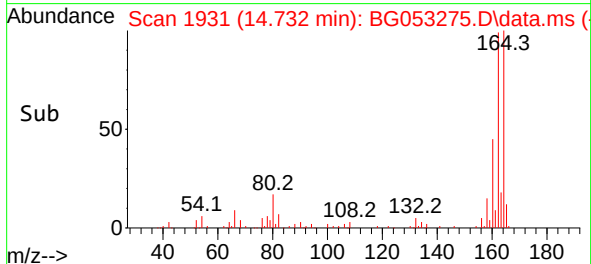
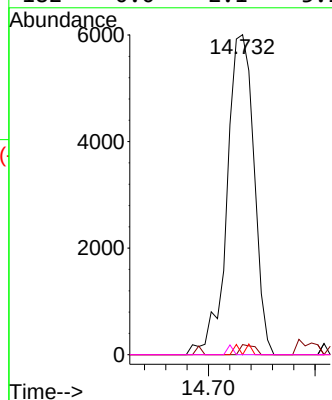
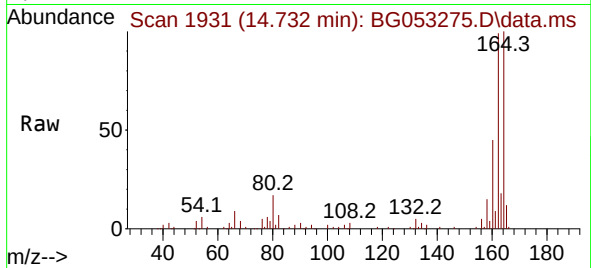




#57
2,4-Dinitrotoluene
Concen: 5.601 ng
RT: 14.732 min Scan# 1931
Delta R.T. -0.360 min
Lab File: BG053275.D
Acq: 23 Apr 2022 00:08

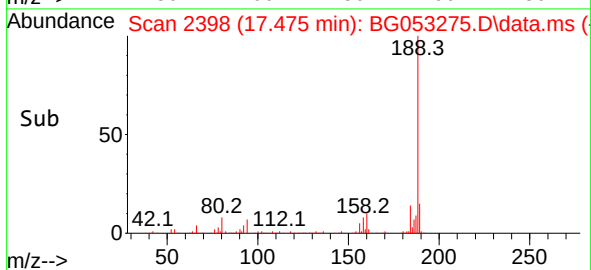
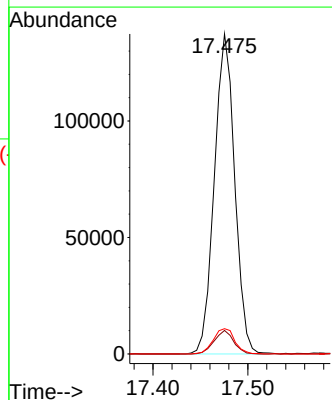
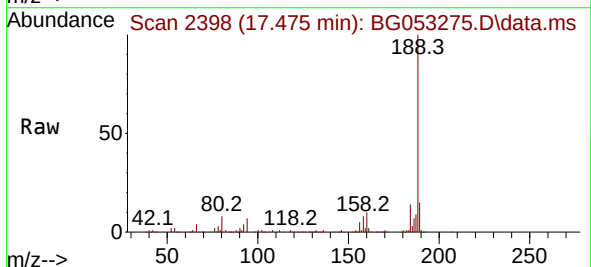
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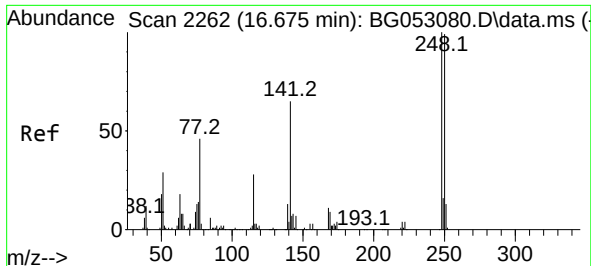
Tgt Ion:165 Resp: 10523
Ion Ratio Lower Upper
165 100
63 3.1 34.8 52.2#
89 0.0 57.4 86.0#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.475 min Scan# 2398
Delta R.T. -0.008 min
Lab File: BG053275.D
Acq: 23 Apr 2022 00:08

Tgt Ion:188 Resp: 204707
Ion Ratio Lower Upper
188 100
94 7.4 5.7 8.5
80 7.9 7.2 10.8

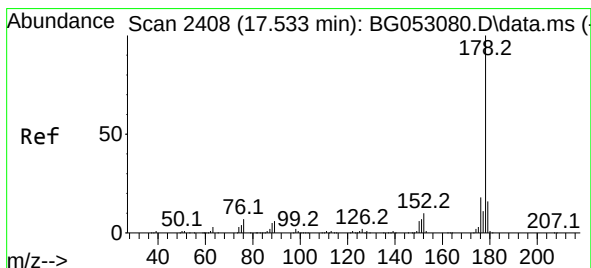
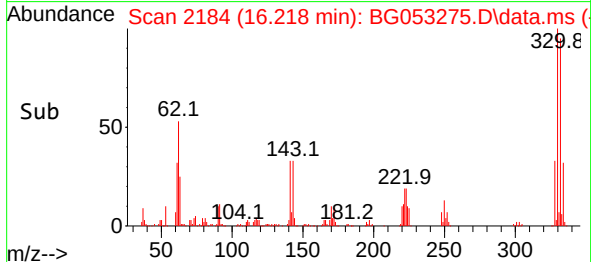
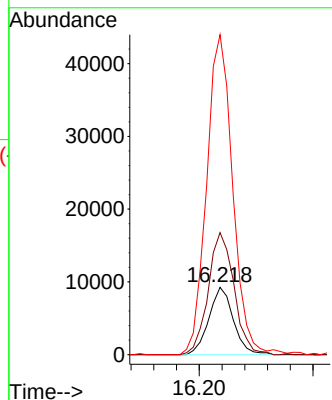
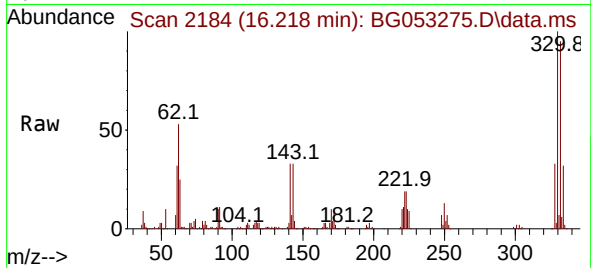




#67
4-Bromophenyl-phenylether
Concen: 5.284 ng
RT: 16.218 min Scan# 2184
Delta R.T. -0.443 min
Lab File: BG053275.D
Acq: 23 Apr 2022 00:08

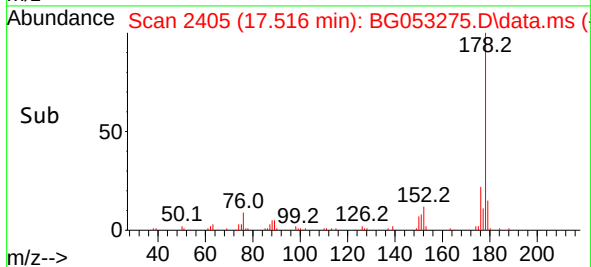
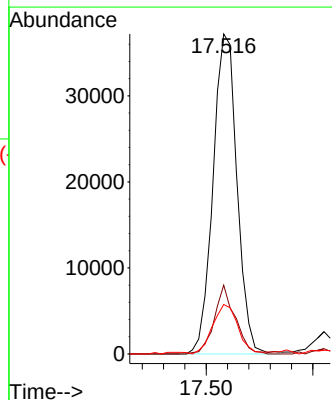
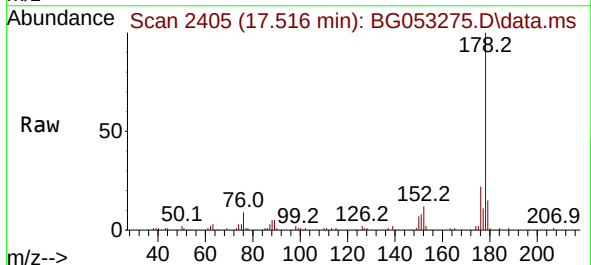
Instrument :
BNA_G
ClientSampleId :
UST-1-S

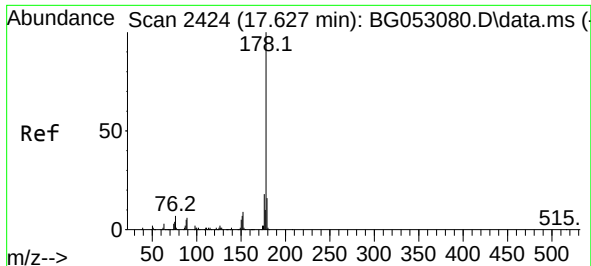
Tgt Ion:248 Resp: 13859
Ion Ratio Lower Upper
248 100
250 180.9 77.9 116.9#
141 474.5 49.2 73.8#



#71
Phenanthrene
Concen: 5.195 ng
RT: 17.516 min Scan# 2405
Delta R.T. -0.008 min
Lab File: BG053275.D
Acq: 23 Apr 2022 00:08

Tgt Ion:178 Resp: 58093
Ion Ratio Lower Upper
178 100
176 21.5 15.9 23.9
179 15.5 13.4 20.2

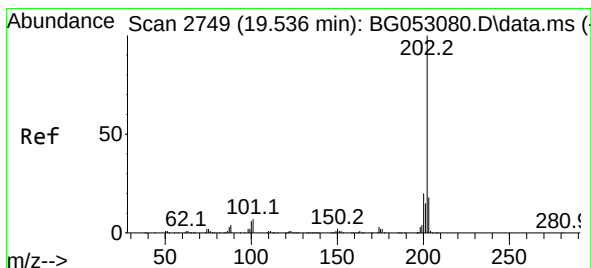
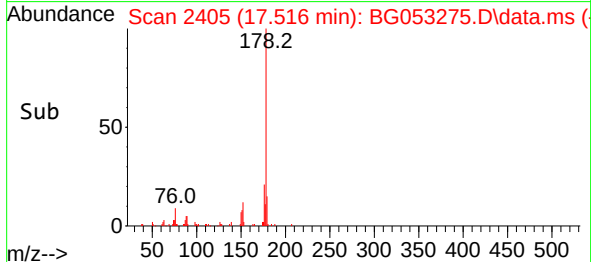
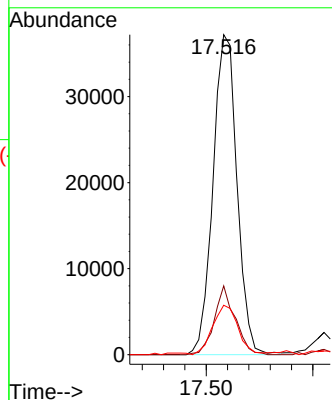
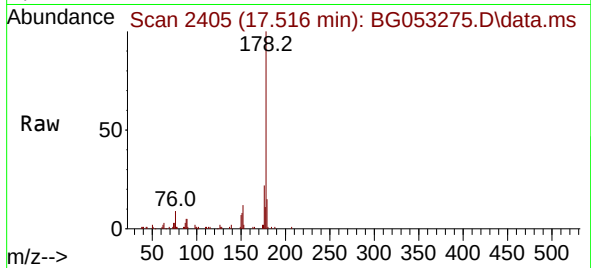




#72
 Anthracene
 Concen: 5.244 ng
 RT: 17.516 min Scan# 2424
 Delta R.T. -0.096 min
 Lab File: BG053275.D
 Acq: 23 Apr 2022 00:08

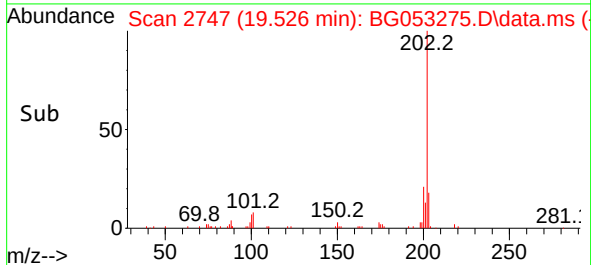
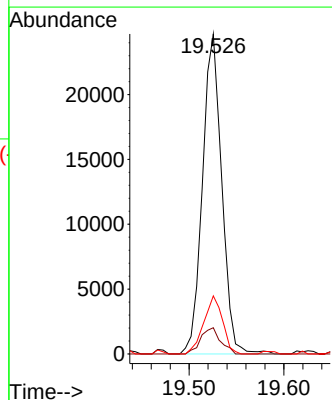
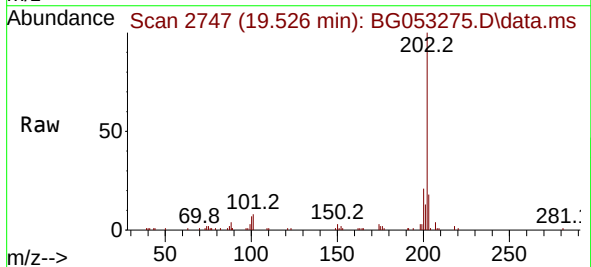
Instrument :
 BNA_G
 ClientSampleId :
 UST-1-S

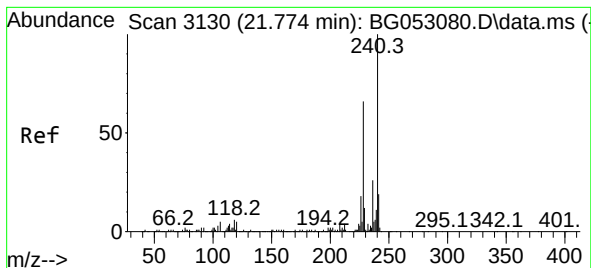
Tgt Ion:178 Resp: 58093
 Ion Ratio Lower Upper
 178 100
 176 21.5 14.7 22.1
 179 15.5 13.2 19.8



#75
 Fluoranthene
 Concen: 2.433 ng
 RT: 19.526 min Scan# 2747
 Delta R.T. -0.002 min
 Lab File: BG053275.D
 Acq: 23 Apr 2022 00:08

Tgt Ion:202 Resp: 34875
 Ion Ratio Lower Upper
 202 100
 101 8.2 0.0 27.3
 203 18.1 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.758 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG053275.D

Acq: 23 Apr 2022 00:08

Instrument :

BNA_G

ClientSampleId :

UST-1-S

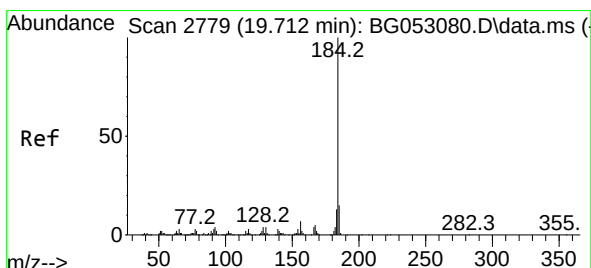
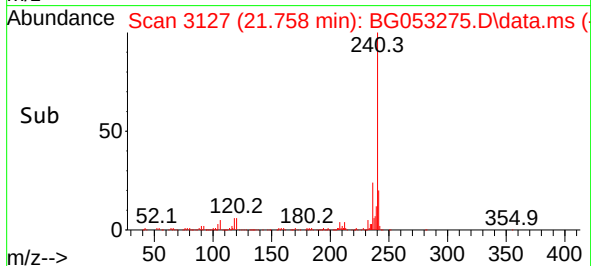
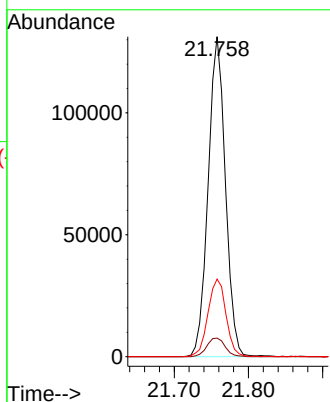
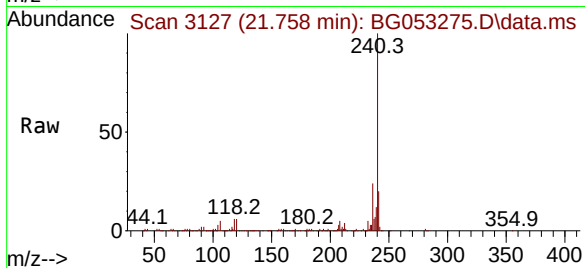
Tgt Ion:240 Resp: 212132

Ion Ratio Lower Upper

240 100

120 5.8 5.4 8.0

236 24.3 19.8 29.6



#77

Benzidine

Concen: 3.067 ng

RT: 20.078 min Scan# 2841

Delta R.T. 0.374 min

Lab File: BG053275.D

Acq: 23 Apr 2022 00:08

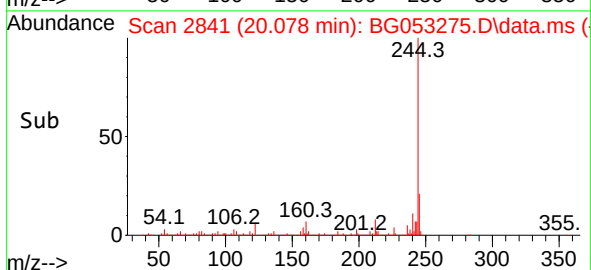
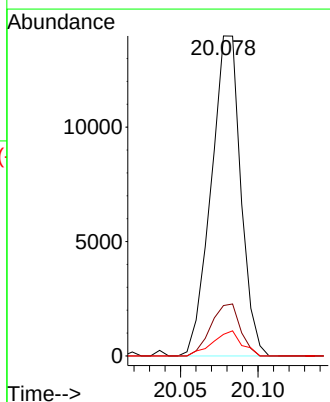
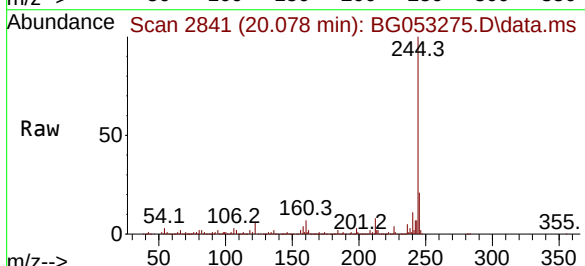
Tgt Ion:184 Resp: 18565

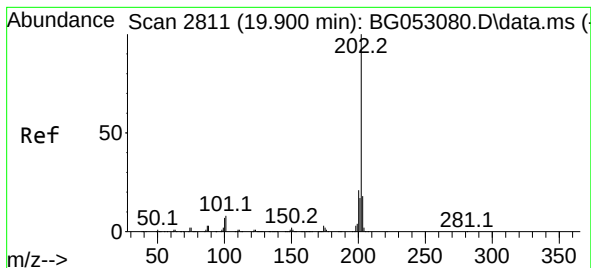
Ion Ratio Lower Upper

184 100

185 15.7 11.5 17.3

183 6.8 9.4 14.2#





#78

Pyrene

Concen: 2.000 ng

RT: 19.884 min Scan# 2

Delta R.T. -0.008 min

Lab File: BG053275.D

Acq: 23 Apr 2022 00:08

Instrument :

BNA_G

ClientSampleId :

UST-1-S

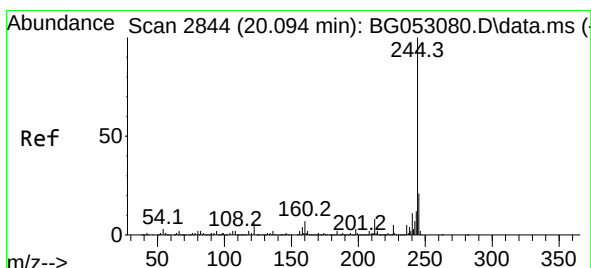
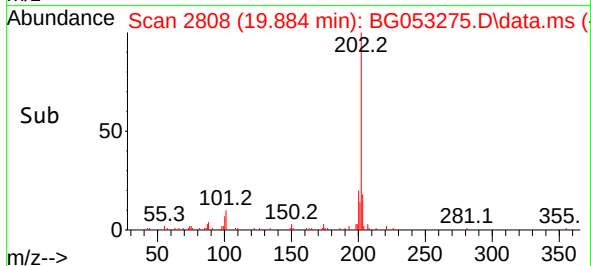
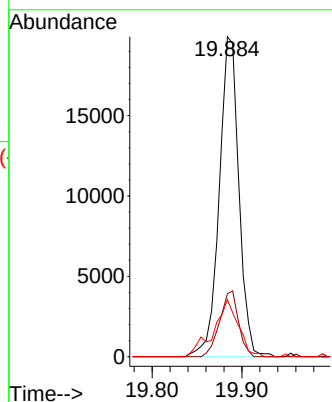
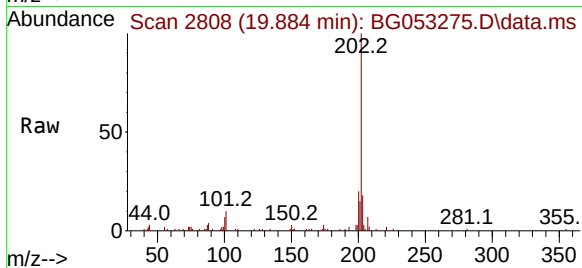
Tgt Ion:202 Resp: 30221

Ion Ratio Lower Upper

202 100

200 19.7 17.0 25.6

203 17.8 15.0 22.6



#79

Terphenyl-d14

Concen: 87.198 ng

RT: 20.078 min Scan# 2841

Delta R.T. -0.008 min

Lab File: BG053275.D

Acq: 23 Apr 2022 00:08

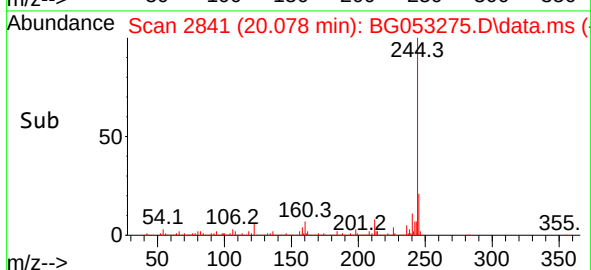
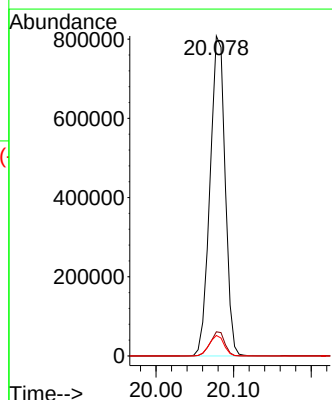
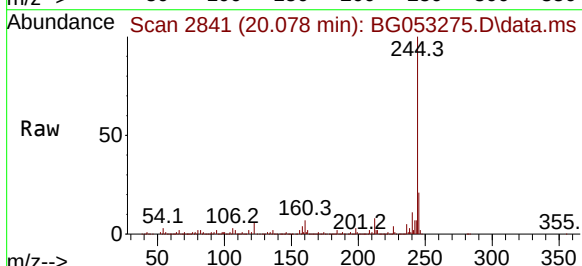
Tgt Ion:244 Resp: 1095236

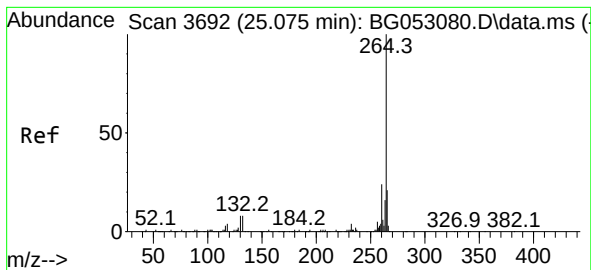
Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.2

122 6.4 5.8 8.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.053 min Scan# 30
 Delta R.T. -0.008 min
 Lab File: BG053275.D
 Acq: 23 Apr 2022 00:08

Instrument :
 BNA_G
 ClientSampleId :
 UST-1-S

Tgt Ion:264 Resp: 218058
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.2 27.2
 265 20.2 15.1 22.7

