

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120522\
 Data File : BG055893.D
 Acq On : 5 Dec 2022 20:33
 Operator : CG/JU
 Sample : N5870-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ML-1

Quant Time: Dec 06 04:48:43 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 06 04:41:17 2022
 Response via : Initial Calibration

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

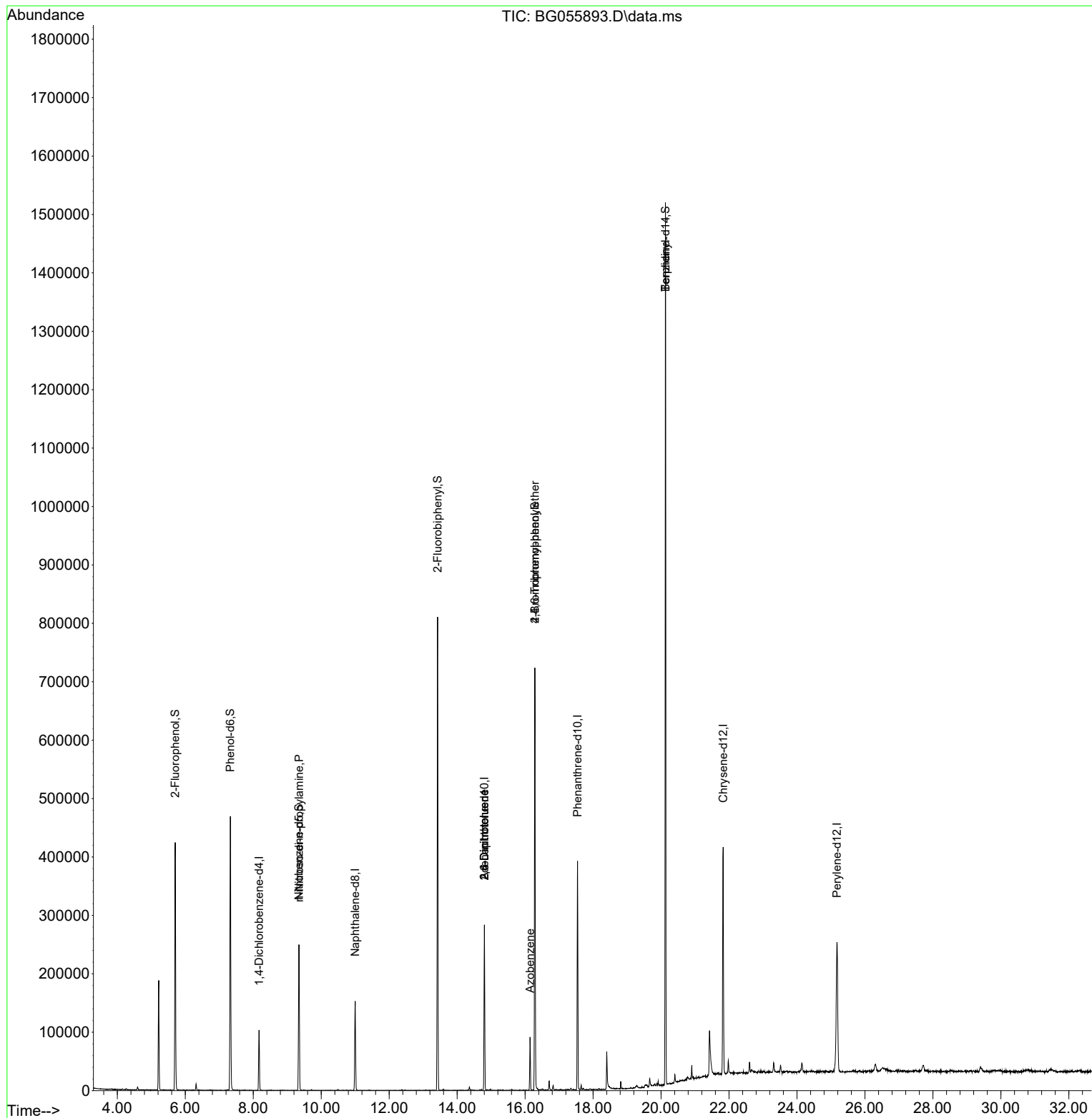
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.173	152	29267	20.000	ng	0.00
21) Naphthalene-d8	10.999	136	126275	20.000	ng	0.00
39) Acenaphthene-d10	14.801	164	98268	20.000	ng	0.00
64) Phenanthrene-d10	17.545	188	251773	20.000	ng	0.00
76) Chrysene-d12	21.828	240	242479	20.000	ng	0.00
86) Perylene-d12	25.177	264	251491	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.706	112	177091	109.371	ng	0.00
7) Phenol-d6	7.327	99	252190	117.004	ng	0.00
23) Nitrobenzene-d5	9.342	82	147533	61.753	ng	0.00
42) 2,4,6-Tribromophenol	16.287	330	146839	106.117	ng	0.00
45) 2-Fluorobiphenyl	13.426	172	407634	62.145	ng	0.00
79) Terphenyl-d14	20.130	244	761755	62.835	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.348	70	20196	12.195	ng	Qvalue
51) 2,6-Dinitrotoluene	14.801	165	13177	8.227	ng	# 75
57) 2,4-Dinitrotoluene	14.801	165	13177	5.835	ng	# 24
63) Azobenzene	16.146	77	25498	3.688	ng	# 22
67) 4-Bromophenyl-phenylether	16.287	248	9354	3.261	ng	# 1
77) Benzidine	20.130	184	11831	2.109	ng	# 1

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

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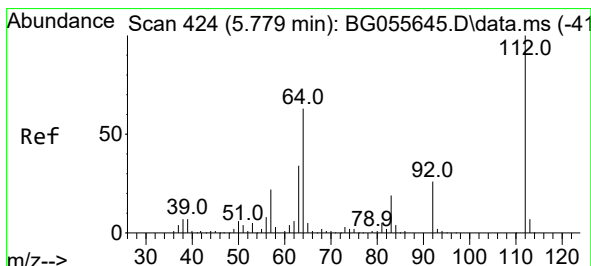
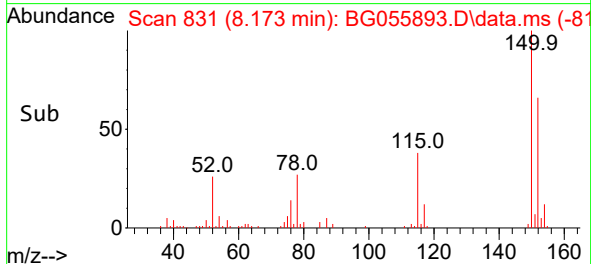
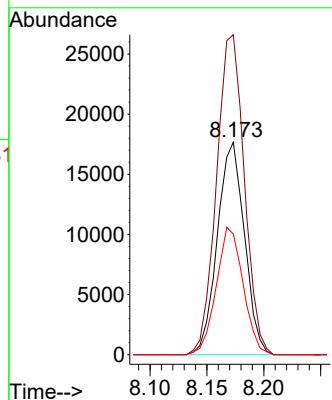
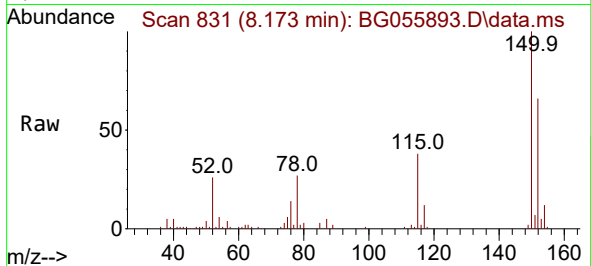




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.173 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG055893.D
Acq: 5 Dec 2022 20:33

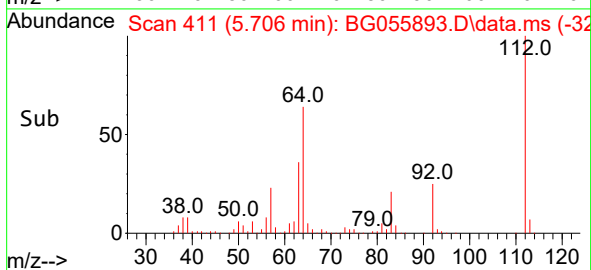
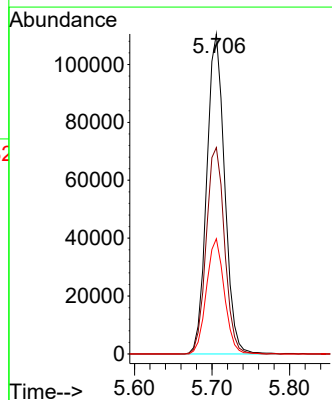
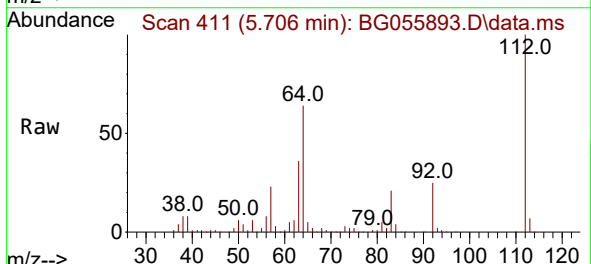
Instrument :
BNA_G
ClientSampleId :
ML-1

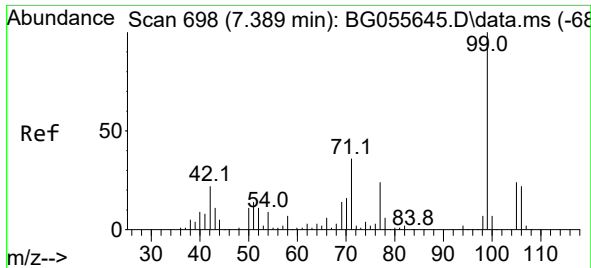
Tgt Ion:152 Resp: 29267
Ion Ratio Lower Upper
152 100
150 150.6 123.0 184.6
115 56.8 47.0 70.4



#5
2-Fluorophenol
Concen: 109.371 ng
RT: 5.706 min Scan# 411
Delta R.T. 0.004 min
Lab File: BG055893.D
Acq: 5 Dec 2022 20:33

Tgt Ion:112 Resp: 177091
Ion Ratio Lower Upper
112 100
64 64.5 50.6 76.0
63 36.0 27.5 41.3

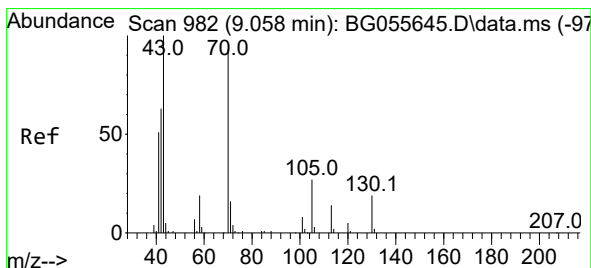
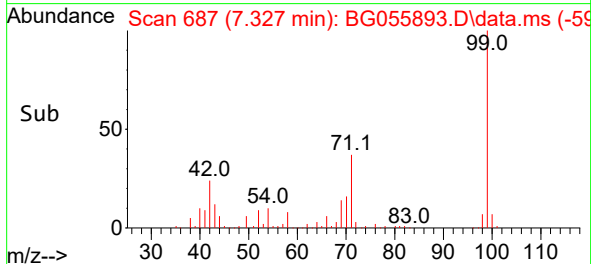
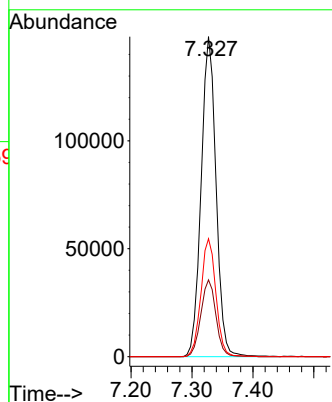
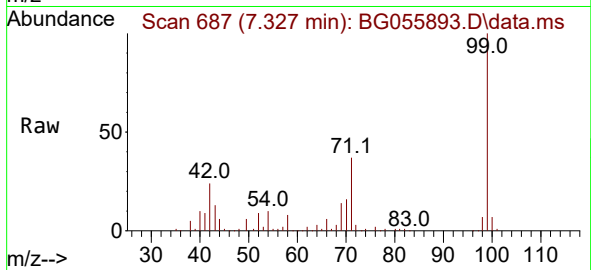




#7
Phenol-d6
Concen: 117.004 ng
RT: 7.327 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG055893.D
Acq: 5 Dec 2022 20:33

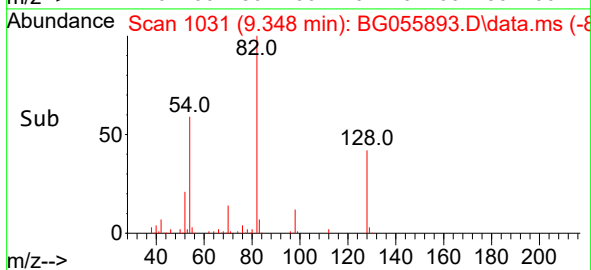
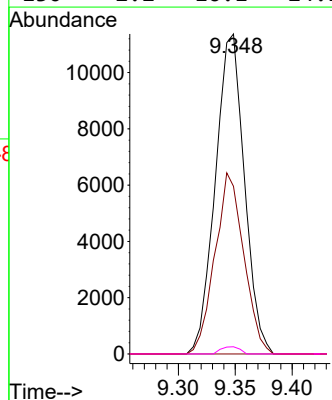
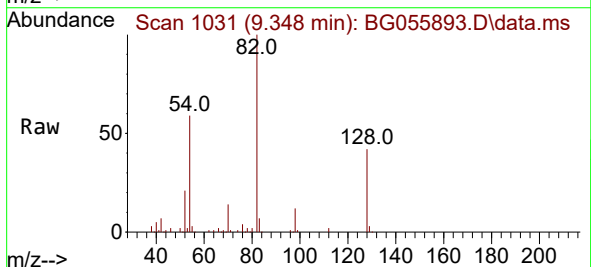
Instrument :
BNA_G
ClientSampleId :
ML-1

Tgt Ion: 99 Resp: 252190
Ion Ratio Lower Upper
99 100
42 24.0 18.0 27.0
71 36.8 29.0 43.6



#19
n-Nitroso-di-n-propylamine
Concen: 12.195 ng
RT: 9.348 min Scan# 1031
Delta R.T. 0.368 min
Lab File: BG055893.D
Acq: 5 Dec 2022 20:33

Tgt Ion: 70 Resp: 20196
Ion Ratio Lower Upper
70 100
42 52.4 55.2 82.8#
101 0.0 7.1 10.7#
130 2.2 16.1 24.1#



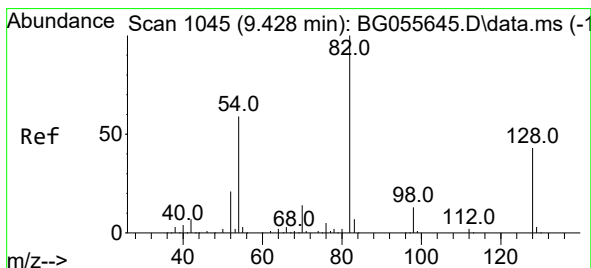
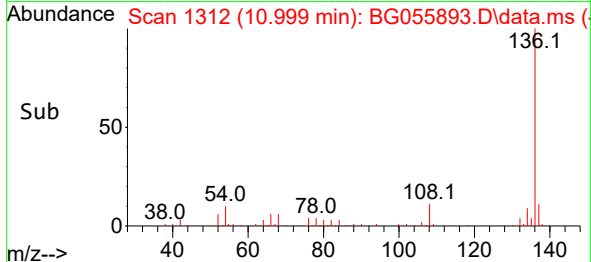
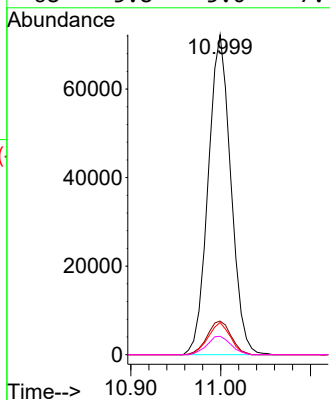
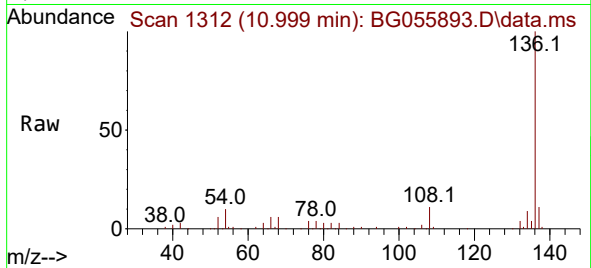


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.999 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG055893.D
Acq: 5 Dec 2022 20:33

Instrument :
BNA_G
ClientSampleId :
ML-1

Tgt Ion:136 Resp: 126275

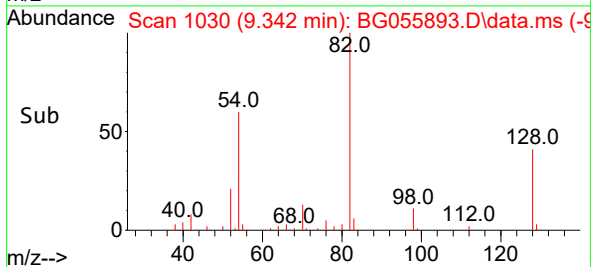
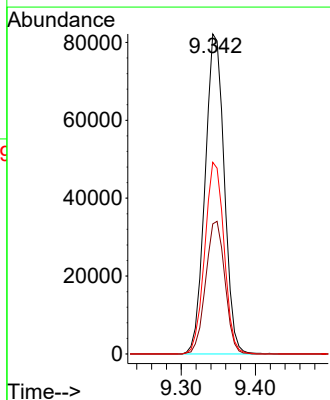
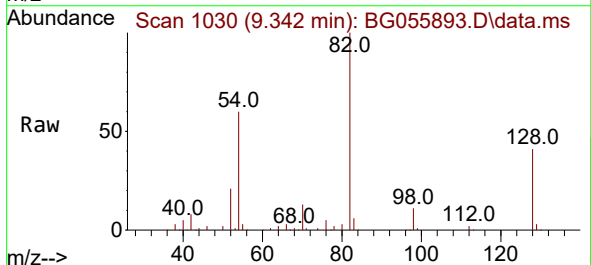
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.0	13.6
54	10.1	7.8	11.6
68	5.8	5.0	7.4

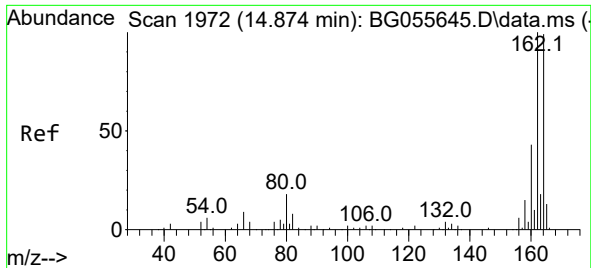


#23
Nitrobenzene-d5
Concen: 61.753 ng
RT: 9.342 min Scan# 1030
Delta R.T. -0.008 min
Lab File: BG055893.D
Acq: 5 Dec 2022 20:33

Tgt Ion: 82 Resp: 147533

Ion	Ratio	Lower	Upper
82	100		
128	40.6	34.1	51.1
54	59.9	47.3	70.9

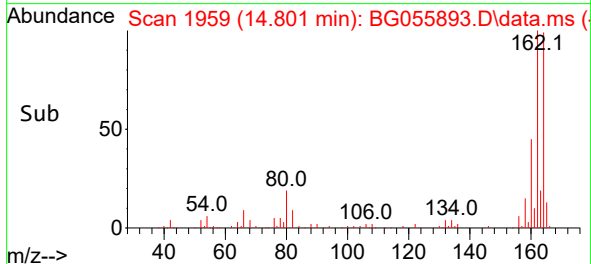
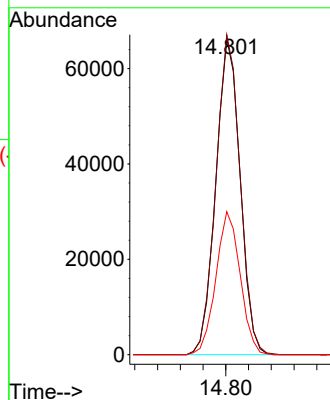
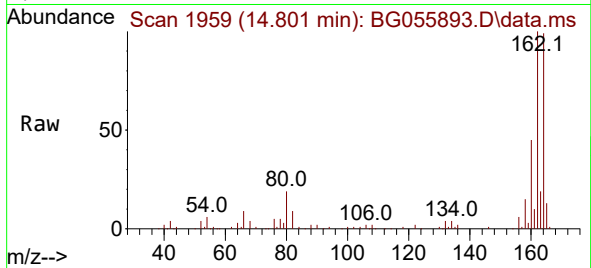




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.801 min Scan# 1959
 Delta R.T. -0.008 min
 Lab File: BG055893.D
 Acq: 5 Dec 2022 20:33

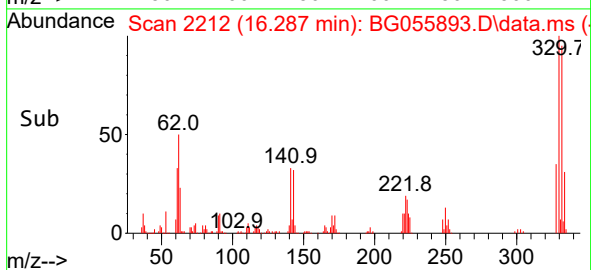
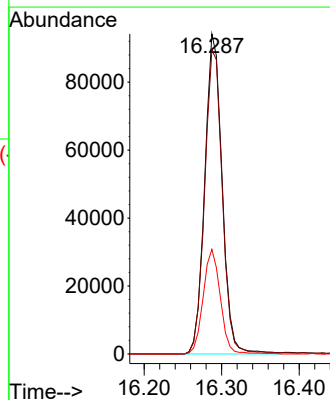
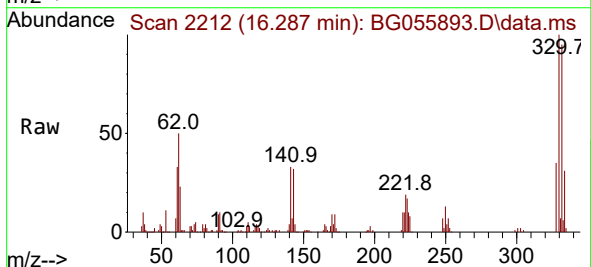
Instrument :
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 ClientSampleId :
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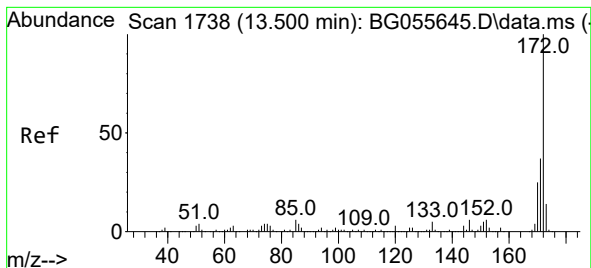
Tgt Ion:164 Resp: 98268
 Ion Ratio Lower Upper
 164 100
 162 101.3 81.1 121.7
 160 45.2 34.8 52.2



#42
 2,4,6-Tribromophenol
 Concen: 106.117 ng
 RT: 16.287 min Scan# 2212
 Delta R.T. -0.008 min
 Lab File: BG055893.D
 Acq: 5 Dec 2022 20:33

Tgt Ion:330 Resp: 146839
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.8 116.8
 141 32.2 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 62.145 ng

RT: 13.426 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG055893.D

Acq: 5 Dec 2022 20:33

Instrument :

BNA_G

ClientSampleId :

ML-1

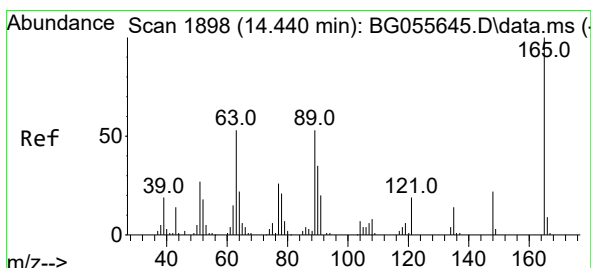
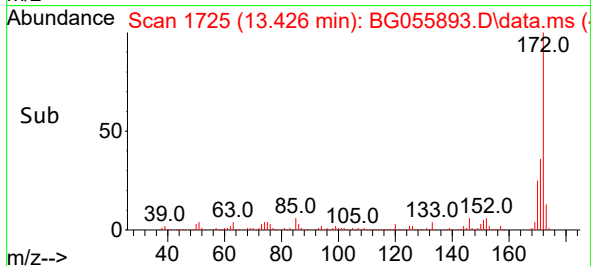
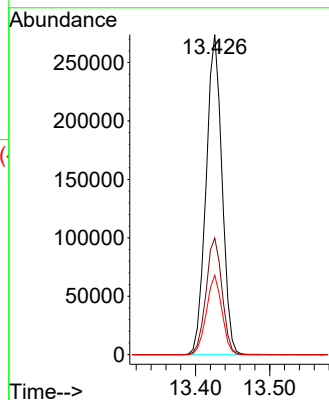
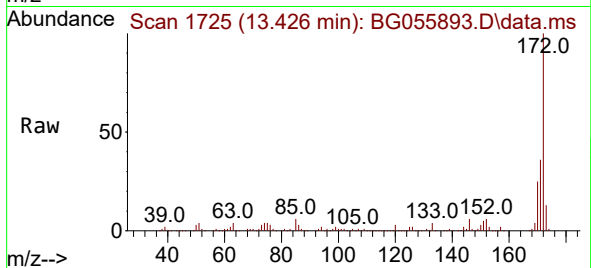
Tgt Ion:172 Resp: 407634

Ion Ratio Lower Upper

172 100

171 36.4 29.8 44.6

170 24.9 20.2 30.4



#51

2,6-Dinitrotoluene

Concen: 8.227 ng

RT: 14.801 min Scan# 1959

Delta R.T. 0.421 min

Lab File: BG055893.D

Acq: 5 Dec 2022 20:33

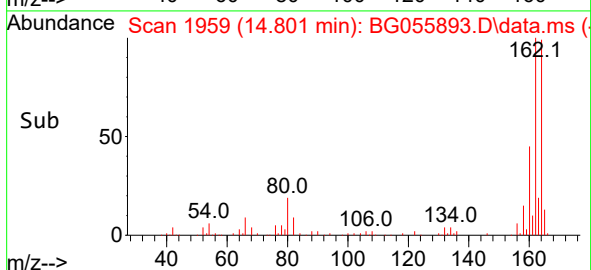
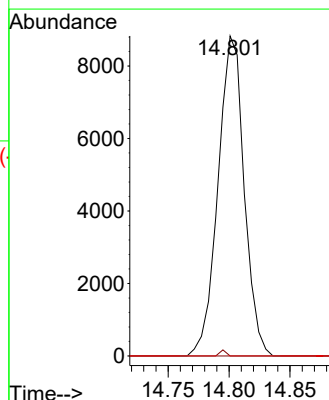
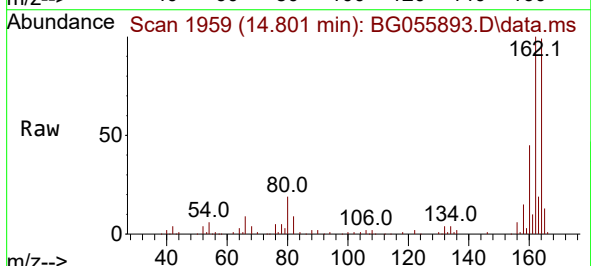
Tgt Ion:165 Resp: 13177

Ion Ratio Lower Upper

165 100

63 0.0 44.6 66.8#

89 0.0 42.2 63.4#





#57

2,4-Dinitrotoluene

Concen: 5.835 ng

RT: 14.801 min Scan# 1959

Delta R.T. -0.367 min

Lab File: BG055893.D

Acq: 5 Dec 2022 20:33

Instrument :

BNA_G

ClientSampleId :

ML-1

Tgt Ion:165 Resp: 13177

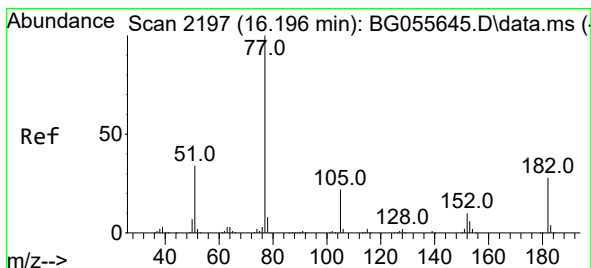
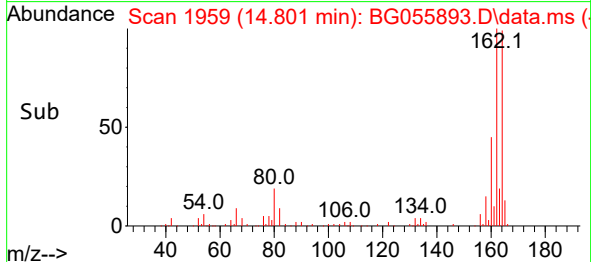
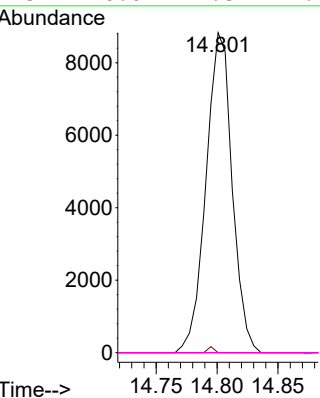
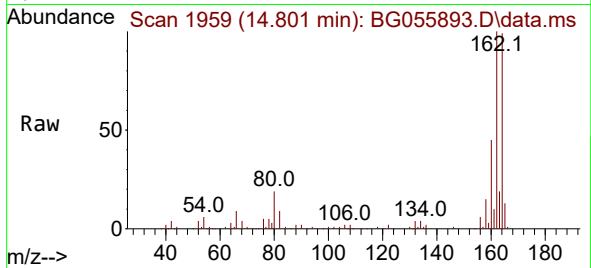
Ion Ratio Lower Upper

165 100

63 0.0 35.8 53.8#

89 0.0 56.2 84.4#

182 0.0 1.8 2.8#



#63

Azobenzene

Concen: 3.688 ng

RT: 16.146 min Scan# 2188

Delta R.T. 0.021 min

Lab File: BG055893.D

Acq: 5 Dec 2022 20:33

Tgt Ion: 77 Resp: 25498

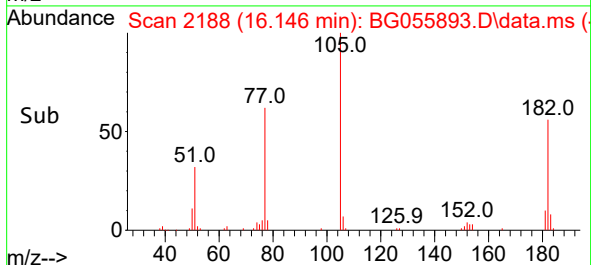
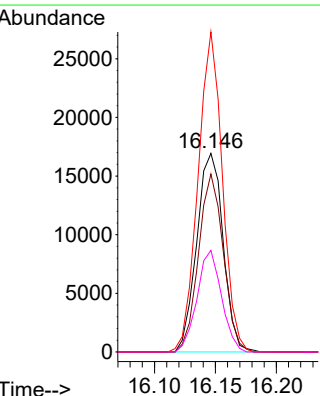
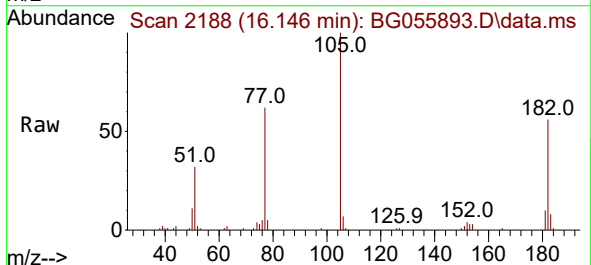
Ion Ratio Lower Upper

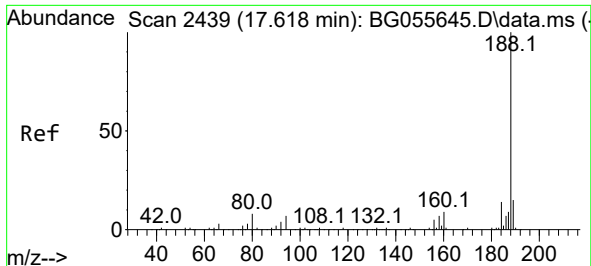
77 100

182 89.6 8.1 48.1#

105 161.1 1.8 41.8#

51 51.1 14.3 54.3

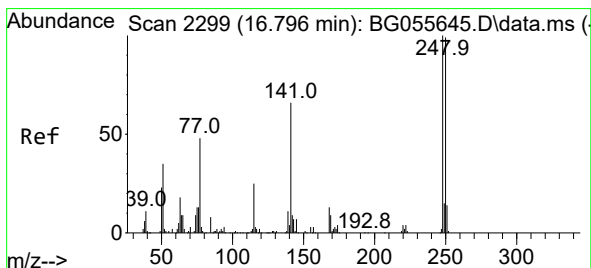
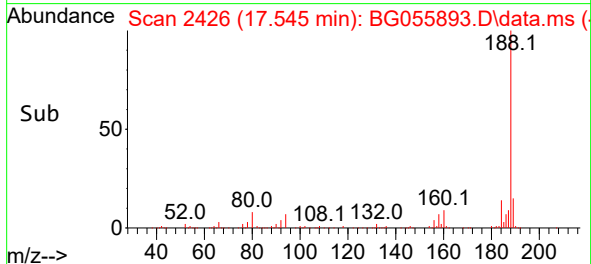
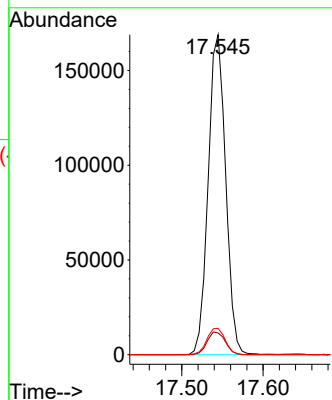
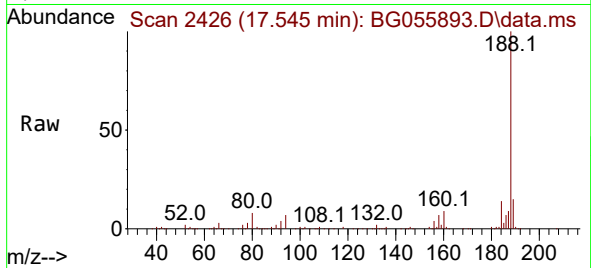




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.545 min Scan# 2439
Delta R.T. -0.002 min
Lab File: BG055893.D
Acq: 5 Dec 2022 20:33

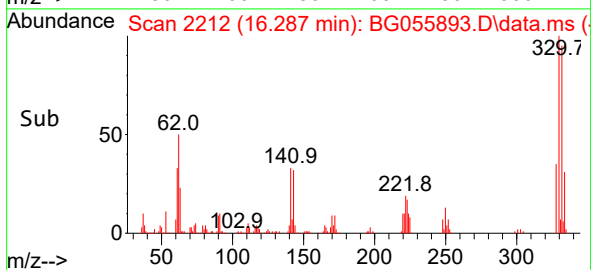
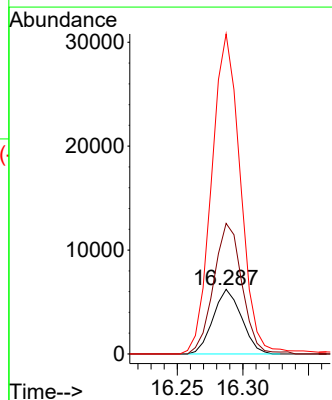
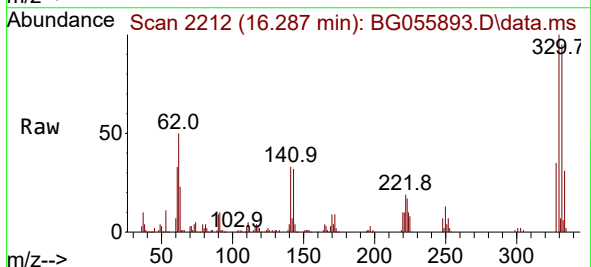
Instrument :
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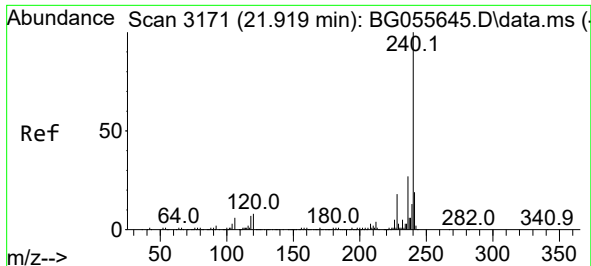
Tgt Ion:188 Resp: 251773
Ion Ratio Lower Upper
188 100
94 6.8 5.4 8.2
80 8.2 6.6 10.0



#67
4-Bromophenyl-phenylether
Concen: 3.261 ng
RT: 16.287 min Scan# 2212
Delta R.T. -0.443 min
Lab File: BG055893.D
Acq: 5 Dec 2022 20:33

Tgt Ion:248 Resp: 9354
Ion Ratio Lower Upper
248 100
250 202.0 79.0 118.4#
141 495.1 52.9 79.3#

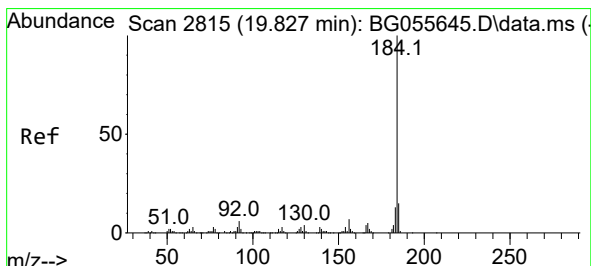
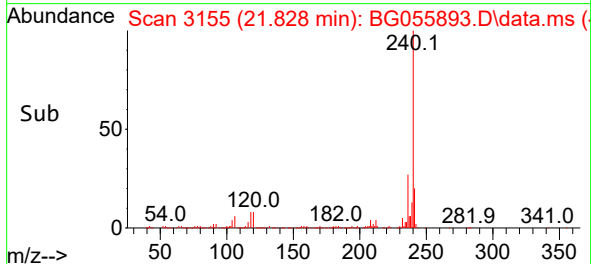
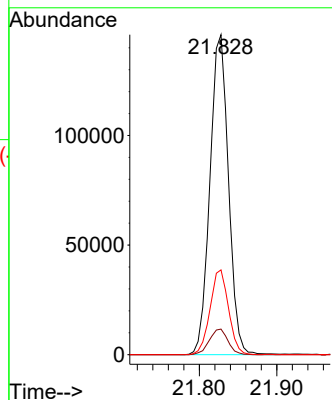
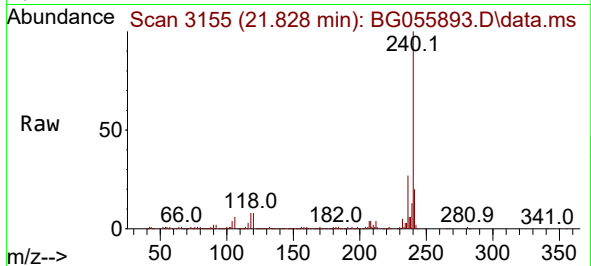




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.828 min Scan# 3171
Delta R.T. -0.008 min
Lab File: BG055893.D
Acq: 5 Dec 2022 20:33

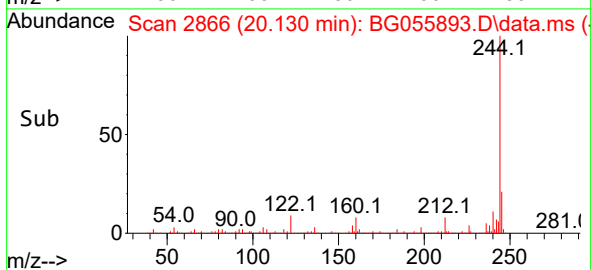
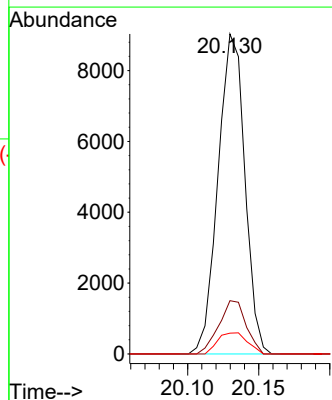
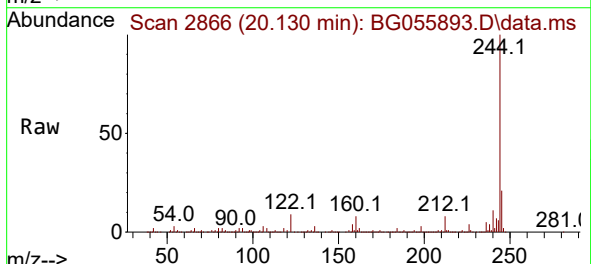
Instrument :
BNA_G
ClientSampleId :
ML-1

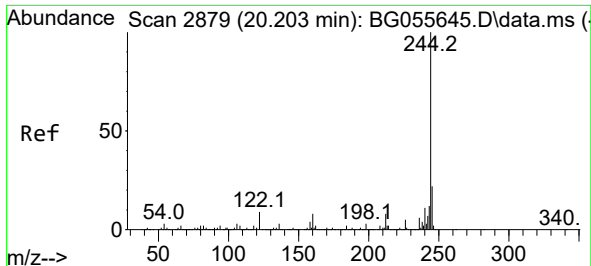
Tgt Ion:240 Resp: 242479
Ion Ratio Lower Upper
240 100
120 8.0 6.3 9.5
236 26.5 21.9 32.9



#77
Benzidine
Concen: 2.109 ng
RT: 20.130 min Scan# 2866
Delta R.T. 0.368 min
Lab File: BG055893.D
Acq: 5 Dec 2022 20:33

Tgt Ion:184 Resp: 11831
Ion Ratio Lower Upper
184 100
185 16.7 11.8 17.8
183 6.5 10.6 15.8#

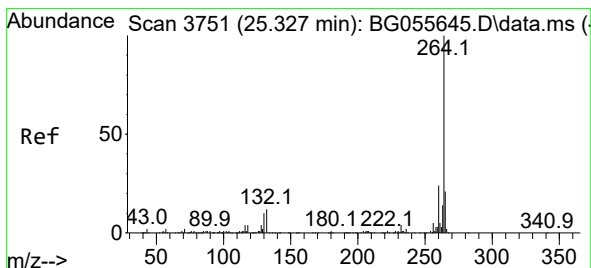
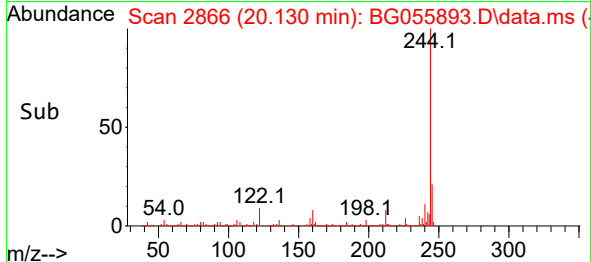
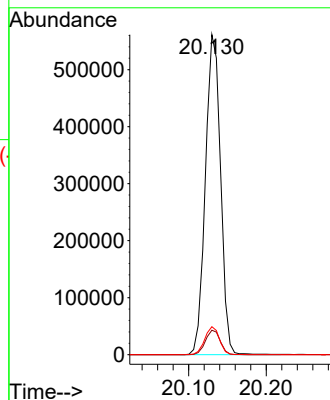
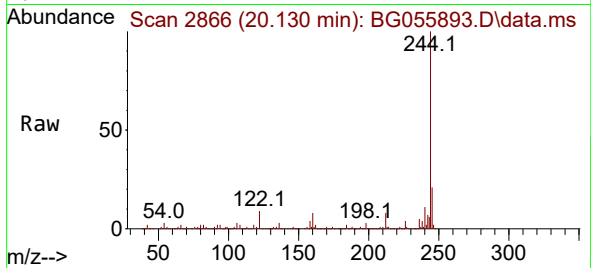




#79
 Terphenyl-d14
 Concen: 62.835 ng
 RT: 20.130 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BG055893.D
 Acq: 5 Dec 2022 20:33

Instrument :
 BNA_G
 ClientSampleId :
 ML-1

Tgt Ion:244 Resp: 761755
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.3 9.5
 122 8.8 6.9 10.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.177 min Scan# 3725
 Delta R.T. -0.002 min
 Lab File: BG055893.D
 Acq: 5 Dec 2022 20:33

Tgt Ion:264 Resp: 251491
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.5 29.3
 265 22.7 17.1 25.7

