

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080923\
 Data File : BG058660.D
 Acq On : 9 Aug 2023 15:54
 Operator : MA/JU
 Sample : 03917-05
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FB03

Quant Time: Aug 09 17:02:22 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 28 22:29:07 2023
 Response via : Initial Calibration

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

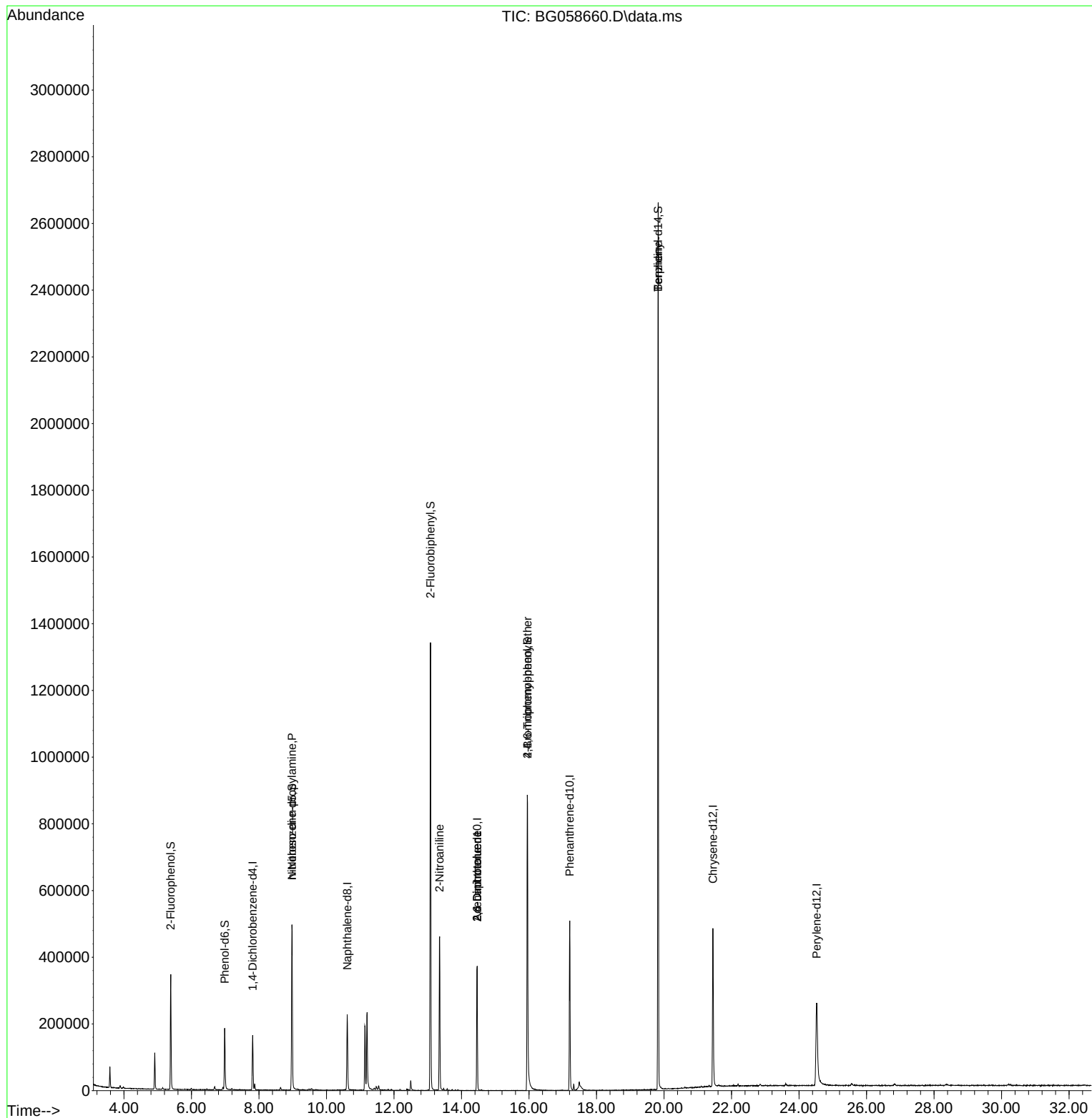
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.811	152	46312	20.000	ng	0.00
21) Naphthalene-d8	10.614	136	194312	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	141396	20.000	ng	0.00
64) Phenanthrene-d10	17.206	188	346756	20.000	ng	0.00
76) Chrysene-d12	21.448	240	315156	20.000	ng	0.00
86) Perylene-d12	24.521	264	368662	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.385	112	145331	47.964	ng	0.00
7) Phenol-d6	6.983	99	114526	27.163	ng	0.00
23) Nitrobenzene-d5	8.975	82	319847	80.863	ng	0.00
42) 2,4,6-Tribromophenol	15.955	330	234848	101.333	ng	0.00
45) 2-Fluorobiphenyl	13.082	172	757110	80.243	ng	0.00
79) Terphenyl-d14	19.827	244	1439920	85.920	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	8.975	70	40835	14.994	ng	Qvalue
48) 2-Nitroaniline	13.352	65	8374	2.898	ng	# 81
51) 2,6-Dinitrotoluene	14.463	165	17956	7.706	ng	# 17
57) 2,4-Dinitrotoluene	14.463	165	17956	5.559	ng	# 22
67) 4-Bromophenyl-phenylether	15.955	248	13879	3.529	ng	# 23
77) Benzidine	19.827	184	17649	3.693	ng	# 1

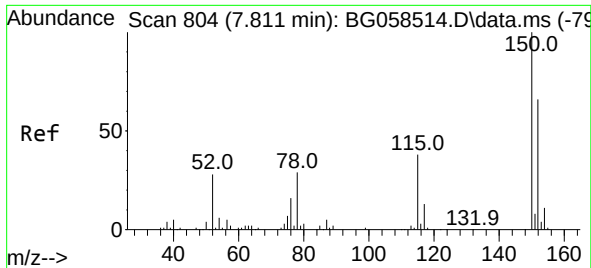
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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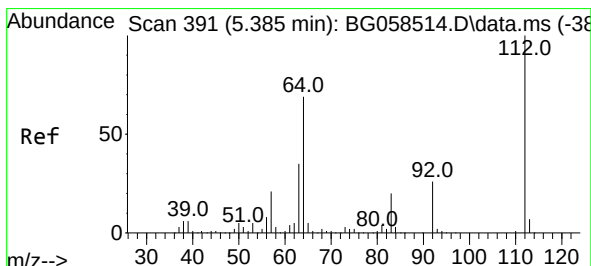
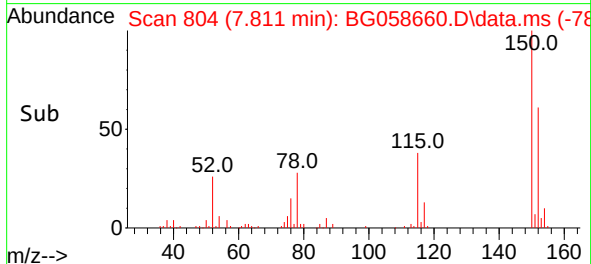
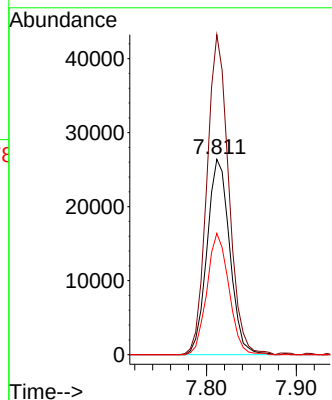
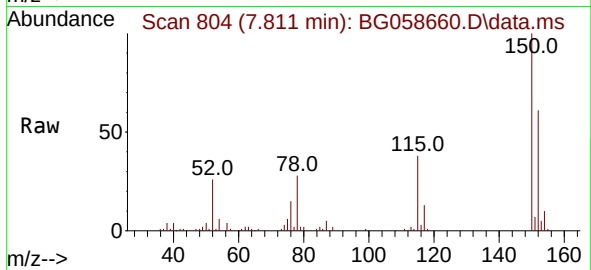




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.811 min Scan# 804
Delta R.T. 0.000 min
Lab File: BG058660.D
Acq: 9 Aug 2023 15:54

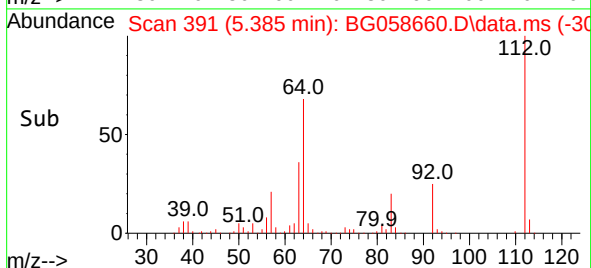
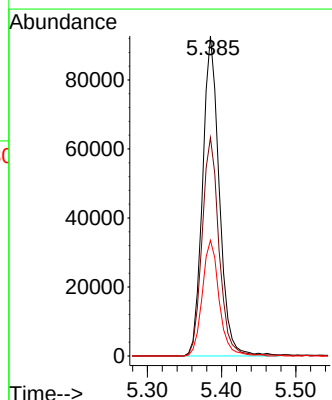
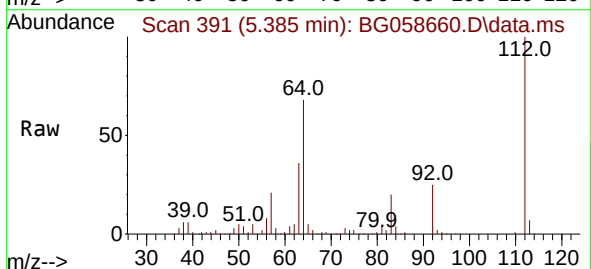
Instrument :
BNA_G
ClientSampleId :
FB03

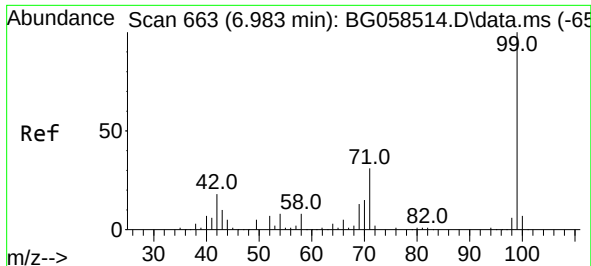
Tgt Ion:152 Resp: 46312
Ion Ratio Lower Upper
152 100
150 163.8 120.5 180.7
115 62.0 45.9 68.9



#5
2-Fluorophenol
Concen: 47.964 ng
RT: 5.385 min Scan# 391
Delta R.T. 0.000 min
Lab File: BG058660.D
Acq: 9 Aug 2023 15:54

Tgt Ion:112 Resp: 145331
Ion Ratio Lower Upper
112 100
64 68.3 55.3 82.9
63 36.2 28.3 42.5

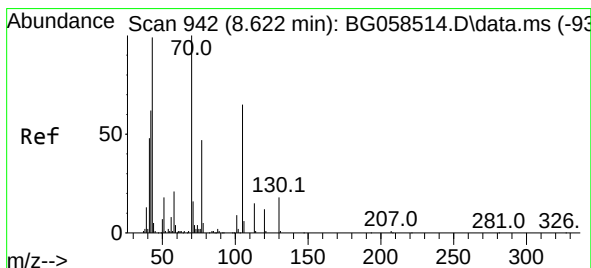
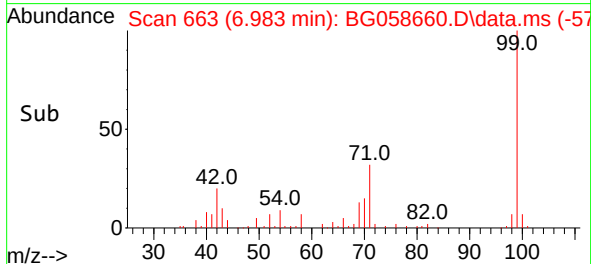
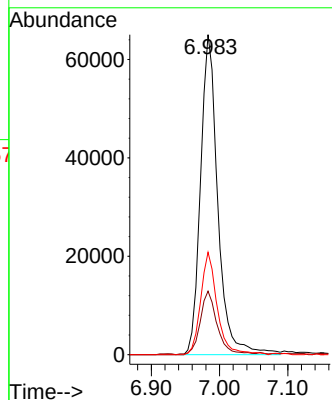
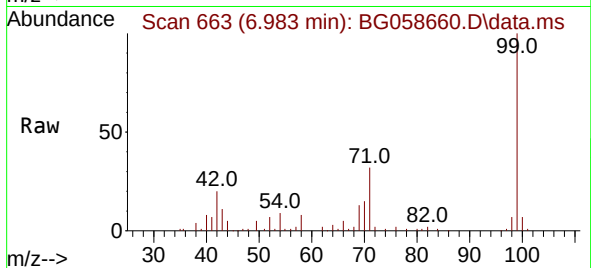




#7
Phenol-d6
Concen: 27.163 ng
RT: 6.983 min Scan# 60
Delta R.T. 0.000 min
Lab File: BG058660.D
Acq: 9 Aug 2023 15:54

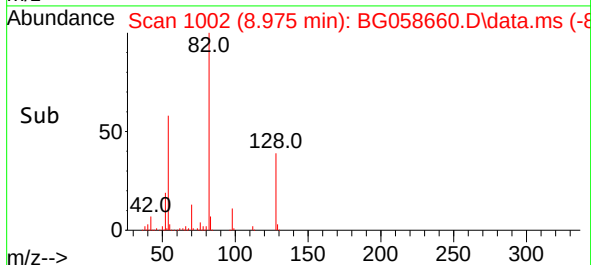
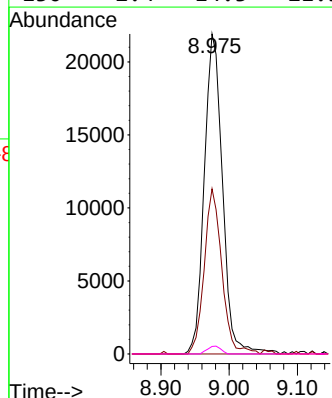
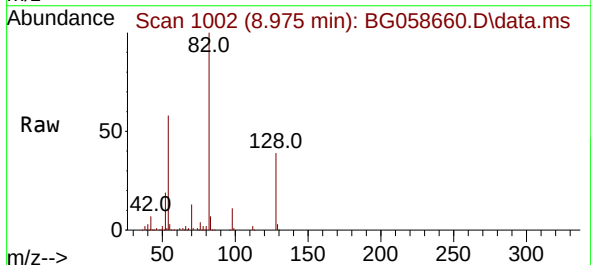
Instrument :
BNA_G
ClientSampleId :
FB03

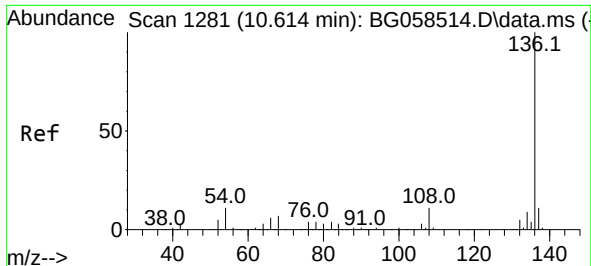
Tgt Ion: 99 Resp: 114526
Ion Ratio Lower Upper
99 100
42 19.9 14.6 21.8
71 32.0 25.0 37.4



#19
n-Nitroso-di-n-propylamine
Concen: 14.994 ng
RT: 8.975 min Scan# 1002
Delta R.T. 0.353 min
Lab File: BG058660.D
Acq: 9 Aug 2023 15:54

Tgt Ion: 70 Resp: 40835
Ion Ratio Lower Upper
70 100
42 51.6 49.7 74.5
101 0.0 7.0 10.4#
130 2.4 14.3 21.5#

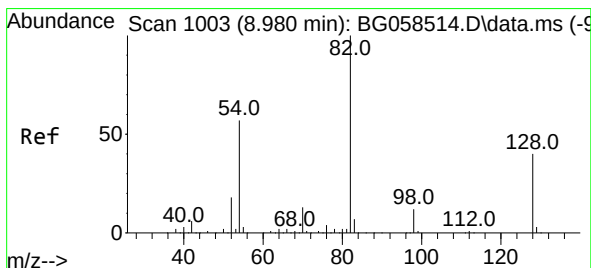
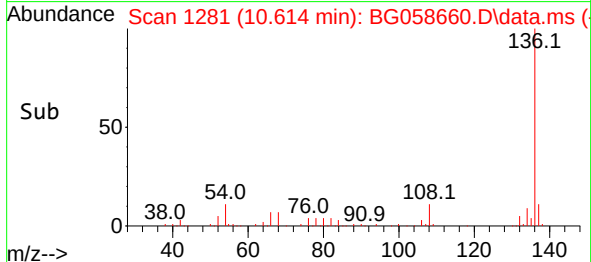
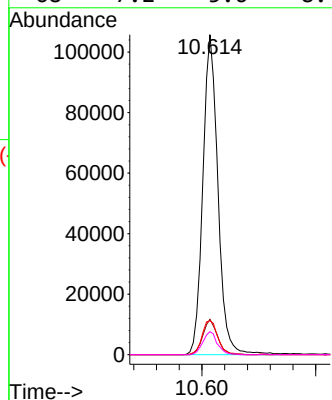
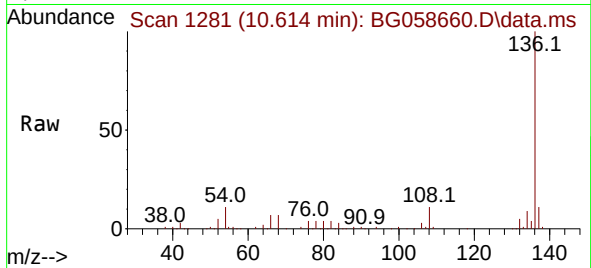




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.614 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG058660.D
Acq: 9 Aug 2023 15:54

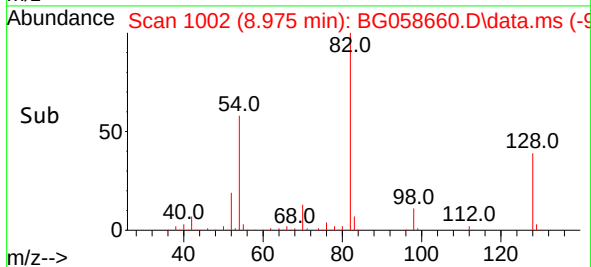
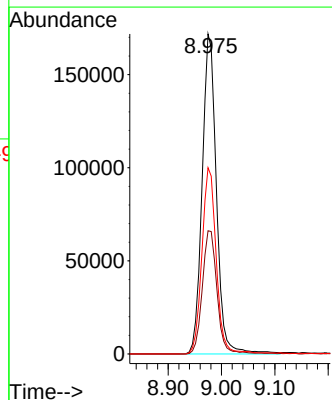
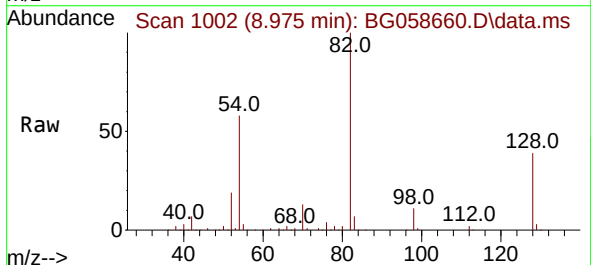
Instrument :
BNA_G
ClientSampleId :
FB03

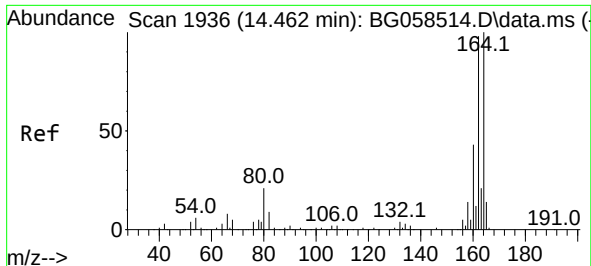
Tgt Ion:	136	Resp:	194312
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.6	13.0
54	10.6	8.9	13.3
68	7.2	5.6	8.4



#23
Nitrobenzene-d5
Concen: 80.863 ng
RT: 8.975 min Scan# 1002
Delta R.T. -0.006 min
Lab File: BG058660.D
Acq: 9 Aug 2023 15:54

Tgt Ion:	82	Resp:	319847
Ion Ratio	Lower	Upper	
82	100		
128	38.5	32.2	48.2
54	58.2	46.0	69.0

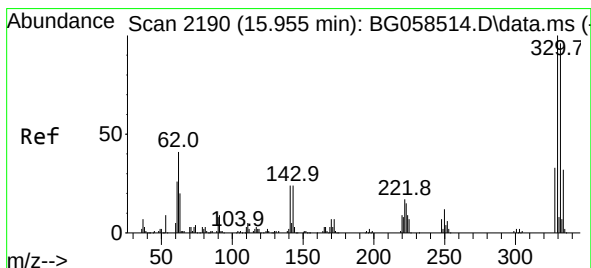
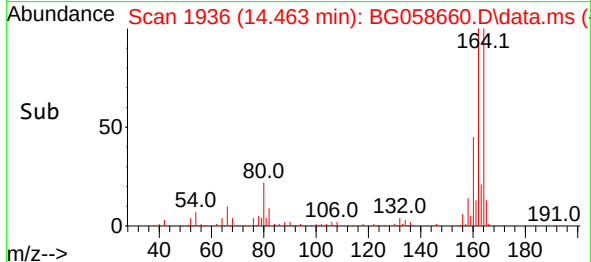
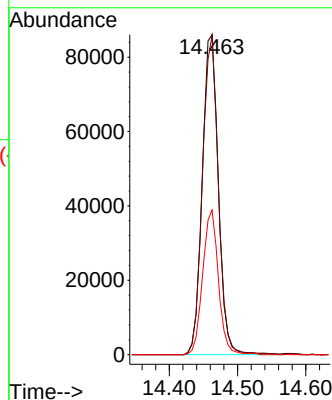
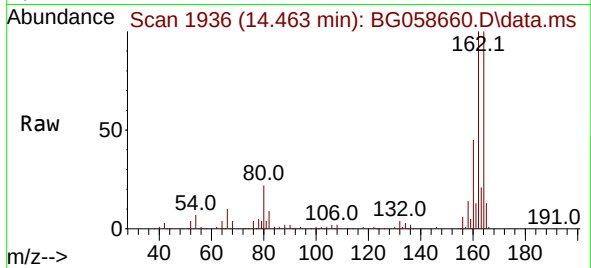




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1936
Delta R.T. 0.000 min
Lab File: BG058660.D
Acq: 9 Aug 2023 15:54

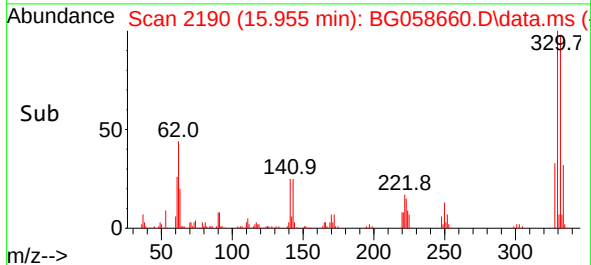
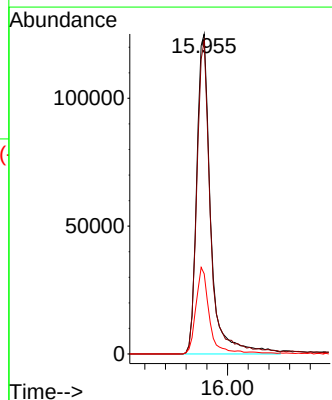
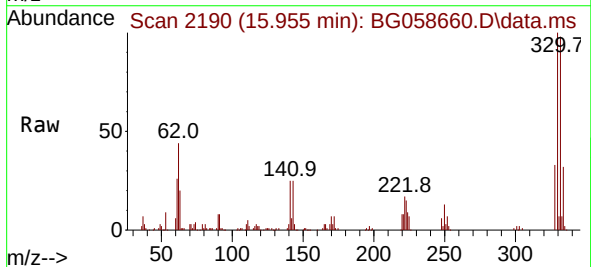
Instrument :
BNA_G
ClientSampleId :
FB03

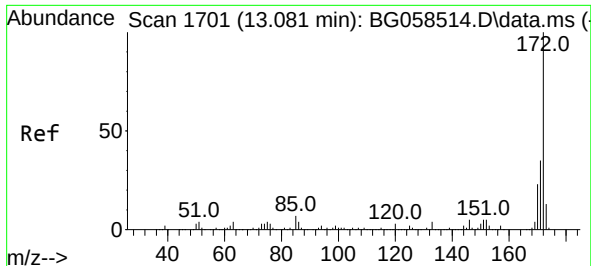
Tgt Ion:164 Resp: 141396
Ion Ratio Lower Upper
164 100
162 99.7 78.3 117.5
160 45.2 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 101.333 ng
RT: 15.955 min Scan# 2190
Delta R.T. 0.000 min
Lab File: BG058660.D
Acq: 9 Aug 2023 15:54

Tgt Ion:330 Resp: 234848
Ion Ratio Lower Upper
330 100
332 96.6 77.5 116.3
141 25.9 20.7 31.1

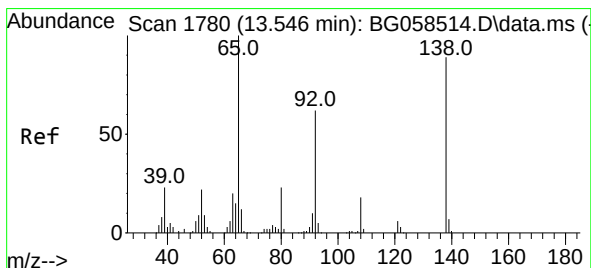
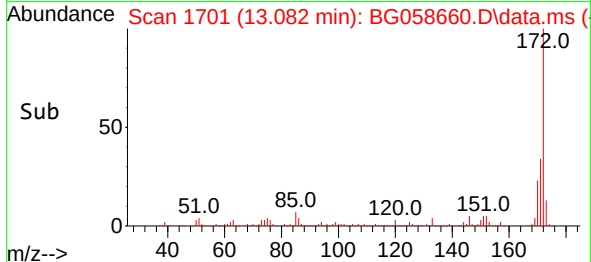
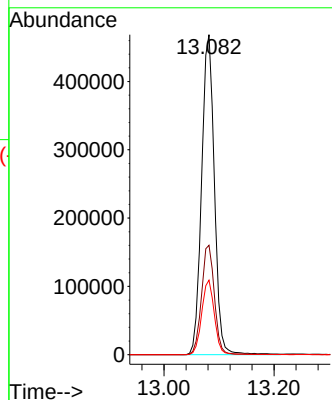
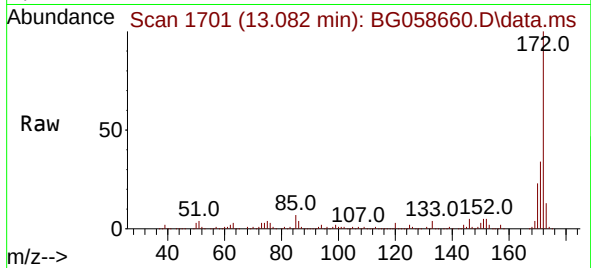




#45
2-Fluorobiphenyl
Concen: 80.243 ng
RT: 13.082 min Scan# 1701
Delta R.T. 0.000 min
Lab File: BG058660.D
Acq: 9 Aug 2023 15:54

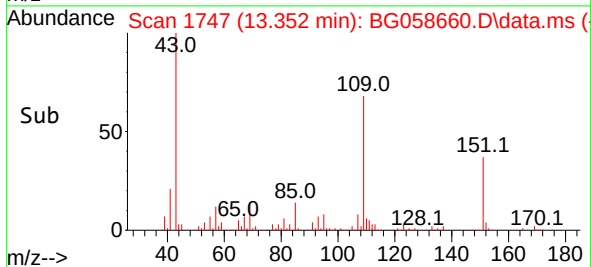
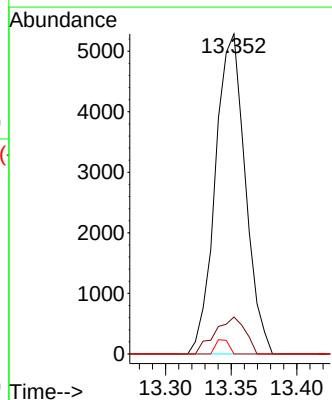
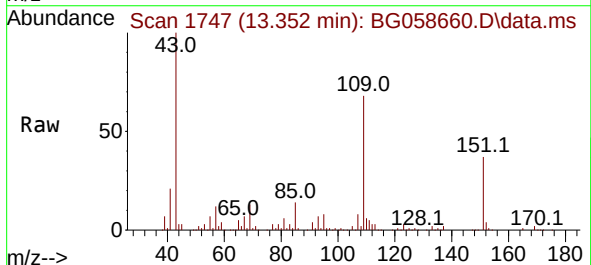
Instrument :
BNA_G
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FB03

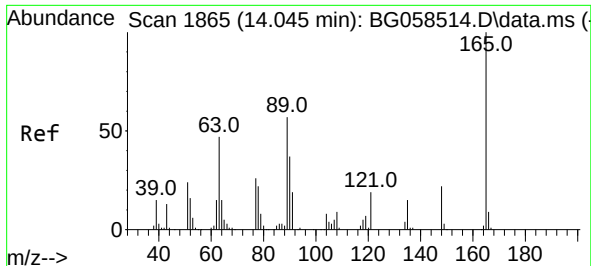
Tgt Ion:172 Resp: 757110
Ion Ratio Lower Upper
172 100
171 34.2 28.0 42.0
170 23.3 18.4 27.6



#48
2-Nitroaniline
Concen: 2.898 ng
RT: 13.352 min Scan# 1747
Delta R.T. -0.194 min
Lab File: BG058660.D
Acq: 9 Aug 2023 15:54

Tgt Ion: 65 Resp: 8374
Ion Ratio Lower Upper
65 100
92 11.5 49.2 73.8#
138 0.0 71.5 107.3#

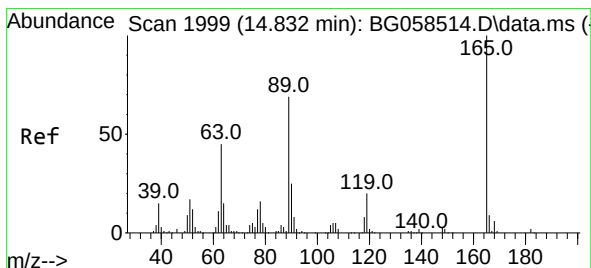
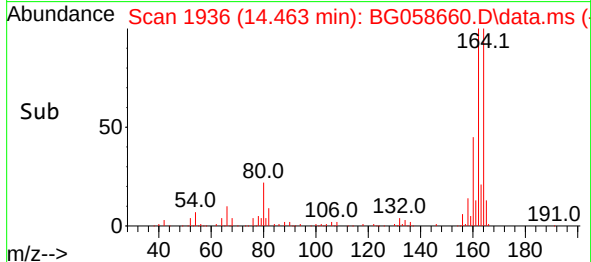
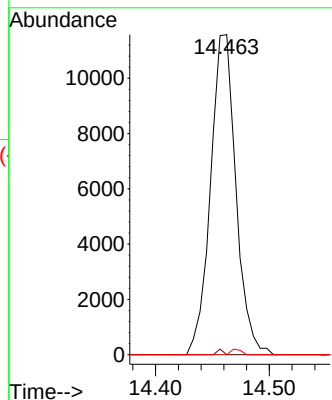
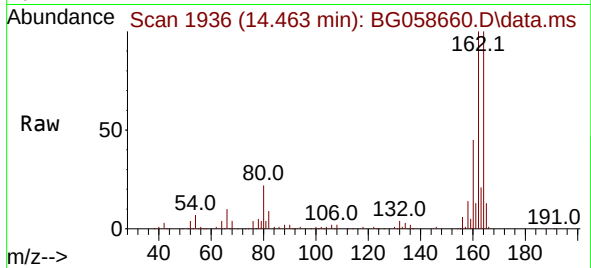




#51
2,6-Dinitrotoluene
Concen: 7.706 ng
RT: 14.463 min Scan# 1936
Delta R.T. 0.417 min
Lab File: BG058660.D
Acq: 9 Aug 2023 15:54

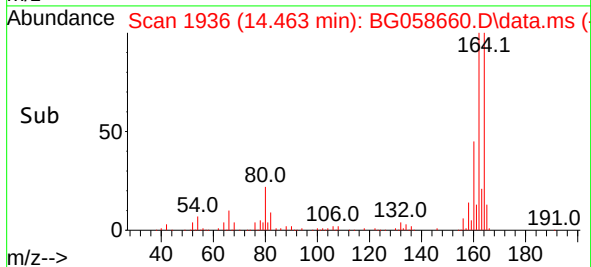
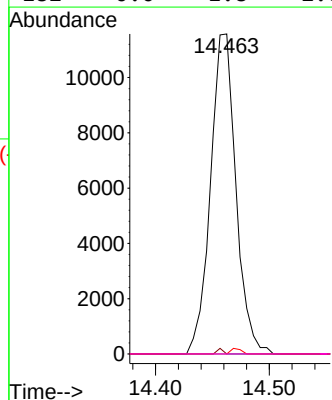
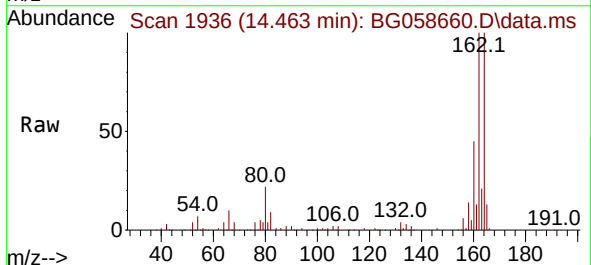
Instrument :
BNA_G
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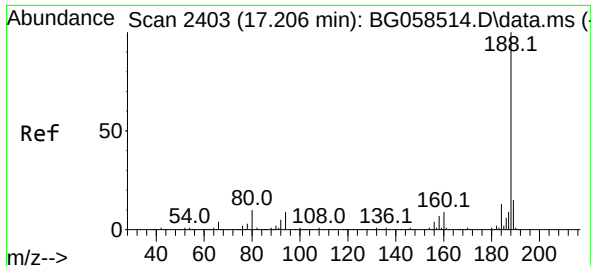
Tgt Ion:165 Resp: 17956
Ion Ratio Lower Upper
165 100
63 0.0 46.4 69.6#
89 0.0 45.3 67.9#



#57
2,4-Dinitrotoluene
Concen: 5.559 ng
RT: 14.463 min Scan# 1936
Delta R.T. -0.370 min
Lab File: BG058660.D
Acq: 9 Aug 2023 15:54

Tgt Ion:165 Resp: 17956
Ion Ratio Lower Upper
165 100
63 0.0 36.6 54.8#
89 0.0 55.4 83.0#
182 0.0 1.8 2.6#

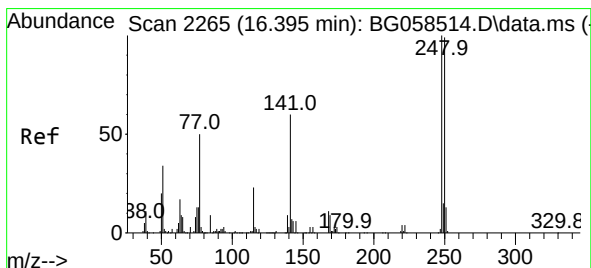
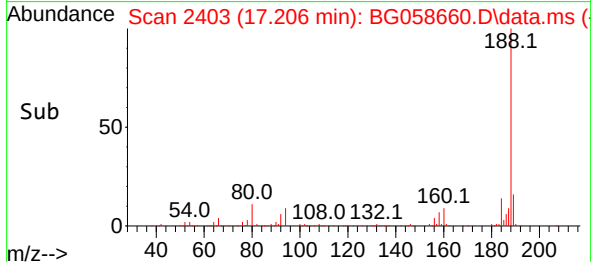
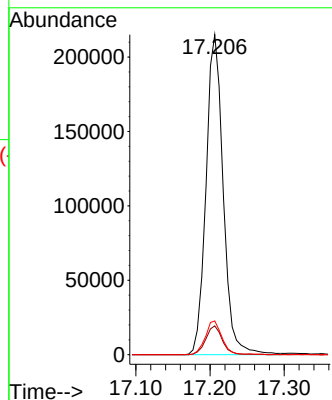
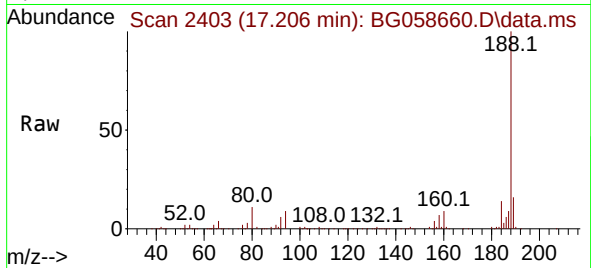




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.206 min Scan# 24
Delta R.T. 0.000 min
Lab File: BG058660.D
Acq: 9 Aug 2023 15:54

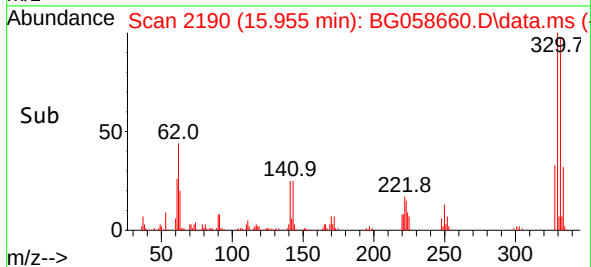
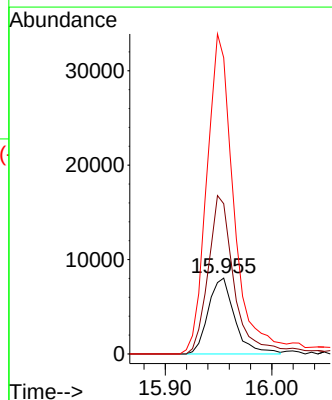
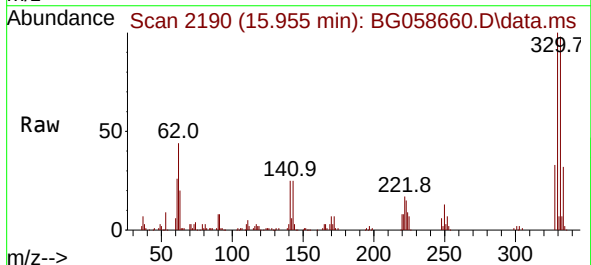
Instrument :
BNA_G
ClientSampleId :
FB03

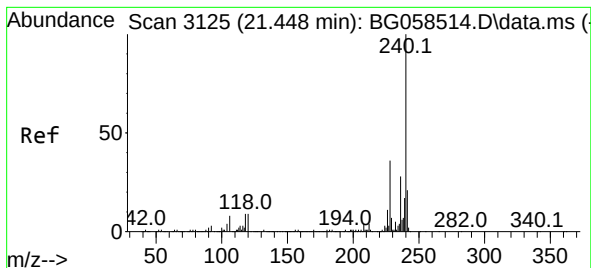
Tgt Ion:188 Resp: 346756
Ion Ratio Lower Upper
188 100
94 9.0 7.0 10.6
80 10.6 8.1 12.1



#67
4-Bromophenyl-phenylether
Concen: 3.529 ng
RT: 15.955 min Scan# 2190
Delta R.T. -0.440 min
Lab File: BG058660.D
Acq: 9 Aug 2023 15:54

Tgt Ion:248 Resp: 13879
Ion Ratio Lower Upper
248 100
250 198.2 79.5 119.3#
141 390.7 48.2 72.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.448 min Scan# 31

Delta R.T. 0.000 min

Lab File: BG058660.D

Acq: 9 Aug 2023 15:54

Instrument :

BNA_G

ClientSampleId :

FB03

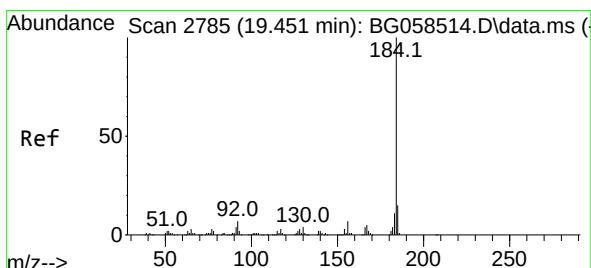
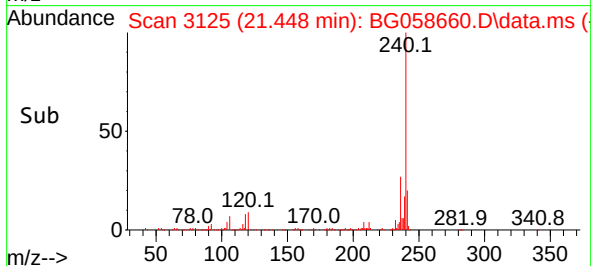
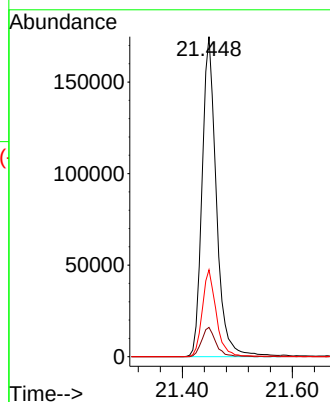
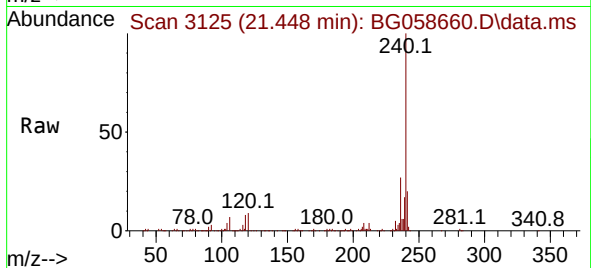
Tgt Ion:240 Resp: 315156

Ion Ratio Lower Upper

240 100

120 9.2 7.4 11.0

236 27.1 22.2 33.4



#77

Benzidine

Concen: 3.693 ng

RT: 19.827 min Scan# 2849

Delta R.T. 0.376 min

Lab File: BG058660.D

Acq: 9 Aug 2023 15:54

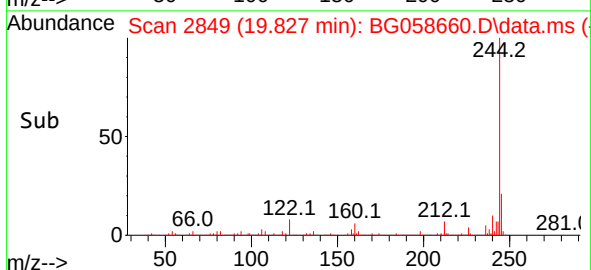
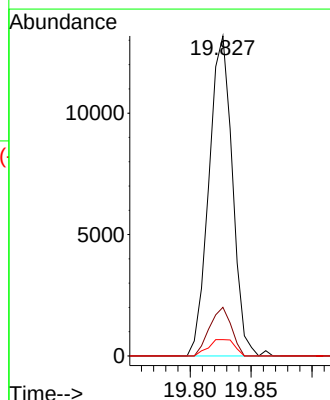
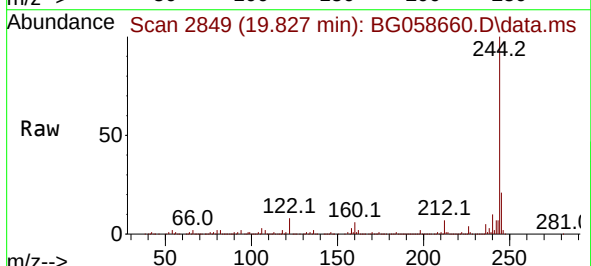
Tgt Ion:184 Resp: 17649

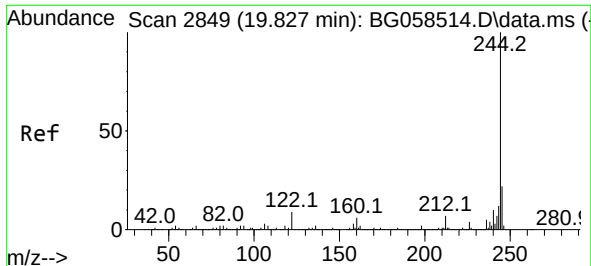
Ion Ratio Lower Upper

184 100

185 15.2 11.9 17.9

183 5.1 8.7 13.1#

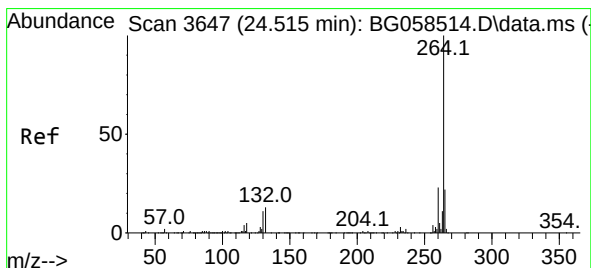
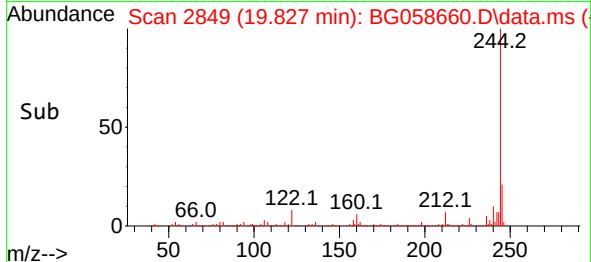
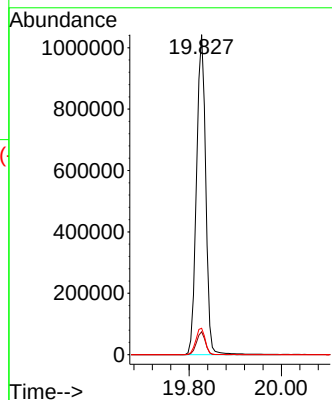
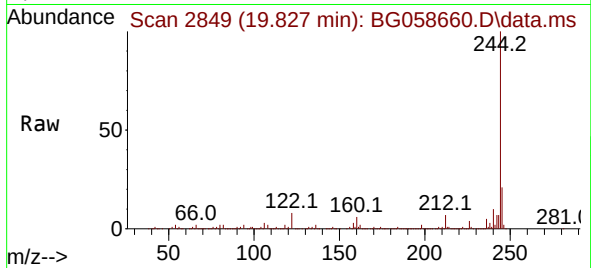




#79
 Terphenyl-d14
 Concen: 85.920 ng
 RT: 19.827 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BG058660.D
 Acq: 9 Aug 2023 15:54

Instrument :
 BNA_G
 ClientSampleId :
 FB03

Tgt Ion:244 Resp: 1439920
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.9 8.9
 122 8.3 6.8 10.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.521 min Scan# 3648
 Delta R.T. 0.006 min
 Lab File: BG058660.D
 Acq: 9 Aug 2023 15:54

Tgt Ion:264 Resp: 368662
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.4 27.6
 265 22.0 17.9 26.9

