

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082423\
 Data File : BG058843.D
 Acq On : 24 Aug 2023 18:00
 Operator : MA/JU
 Sample : 04090-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-C

Quant Time: Aug 25 02:58:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 01:40:57 2023
 Response via : Initial Calibration

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

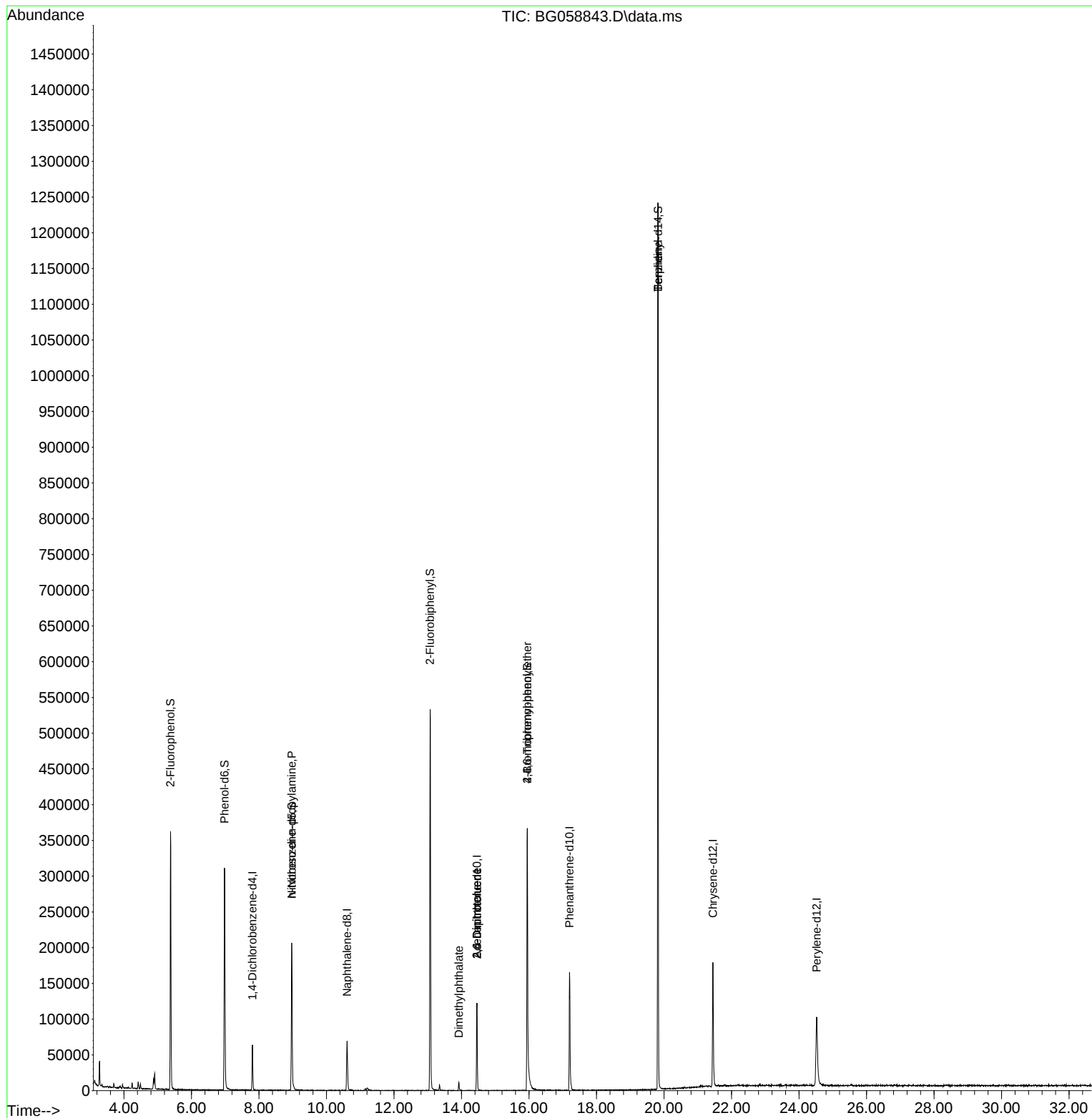
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.806	152	16366	20.000	ng	0.00
21) Naphthalene-d8	10.608	136	67252	20.000	ng	0.00
39) Acenaphthene-d10	14.457	164	49521	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	130490	20.000	ng	0.00
76) Chrysene-d12	21.449	240	118604	20.000	ng	0.00
86) Perylene-d12	24.521	264	140032	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.379	112	147121	144.663	ng	0.00
7) Phenol-d6	6.977	99	176847	123.942	ng	0.00
23) Nitrobenzene-d5	8.969	82	128808	92.083	ng	0.00
42) 2,4,6-Tribromophenol	15.949	330	103644	133.479	ng	0.00
45) 2-Fluorobiphenyl	13.070	172	311090	91.369	ng	0.00
79) Terphenyl-d14	19.821	244	640203	96.923	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	8.969	70	16489	17.878	ng	Qvalue
50) Dimethylphthalate	13.922	163	9943	2.593	ng	# 78
51) 2,6-Dinitrotoluene	14.457	165	6776	8.412	ng	# 89
57) 2,4-Dinitrotoluene	14.457	165	6776	6.031	ng	# 22
67) 4-Bromophenyl-phenylether	15.949	248	6243	4.360	ng	# 19
77) Benzidine	19.821	184	9128	4.294	ng	# 1

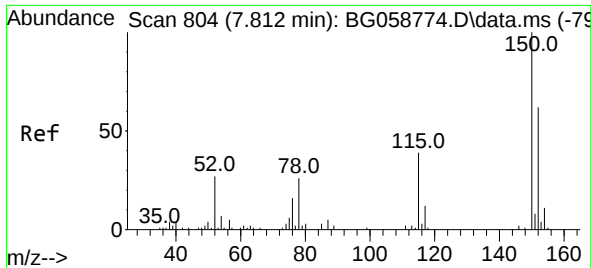
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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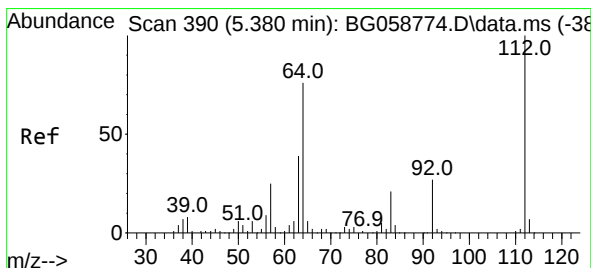
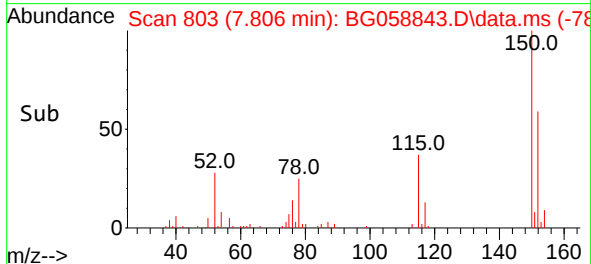
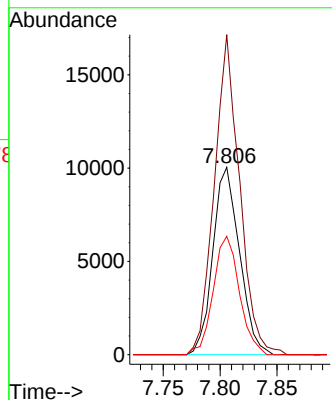
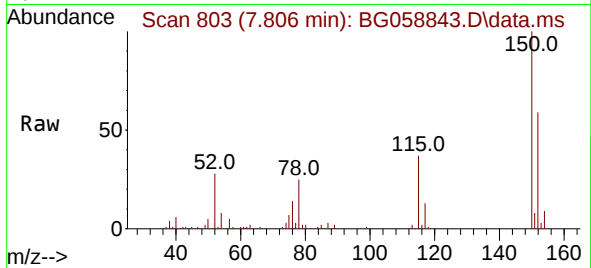




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.806 min Scan# 804
Delta R.T. -0.006 min
Lab File: BG058843.D
Acq: 24 Aug 2023 18:00

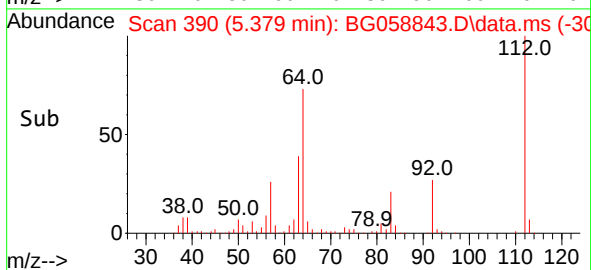
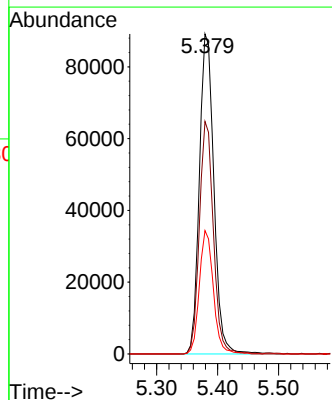
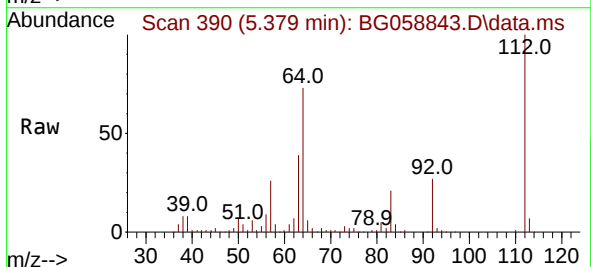
Instrument :
BNA_G
ClientSampleId :
TP-C

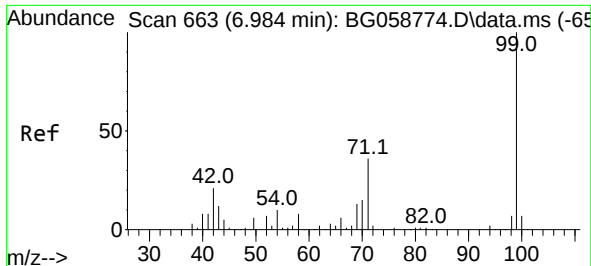
Tgt Ion:152 Resp: 16366
Ion Ratio Lower Upper
152 100
150 170.8 128.6 192.8
115 63.2 50.4 75.6



#5
2-Fluorophenol
Concen: 144.663 ng
RT: 5.379 min Scan# 390
Delta R.T. -0.001 min
Lab File: BG058843.D
Acq: 24 Aug 2023 18:00

Tgt Ion:112 Resp: 147121
Ion Ratio Lower Upper
112 100
64 72.6 60.6 90.8
63 38.6 31.0 46.4

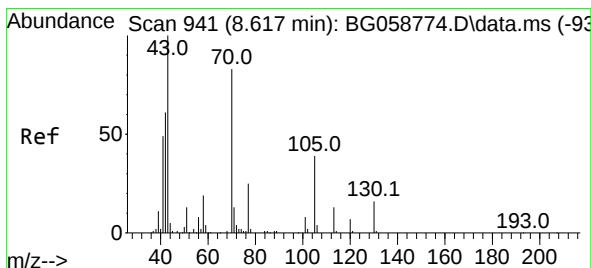
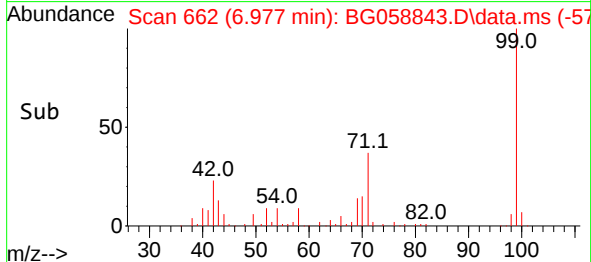
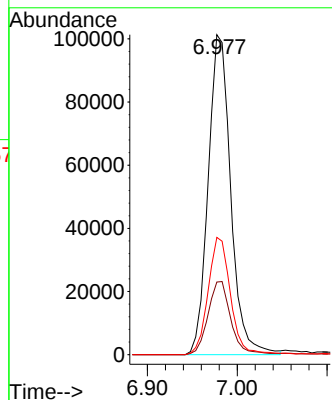
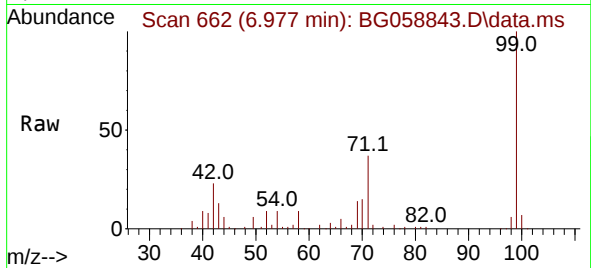




#7
Phenol-d6
Concen: 123.942 ng
RT: 6.977 min Scan# 60
Delta R.T. -0.007 min
Lab File: BG058843.D
Acq: 24 Aug 2023 18:00

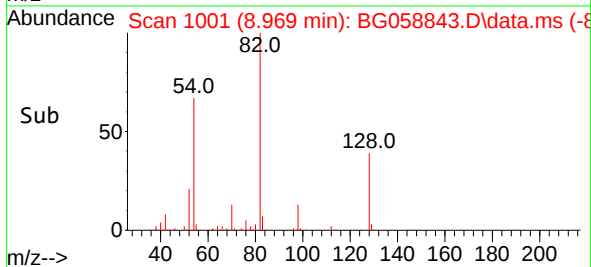
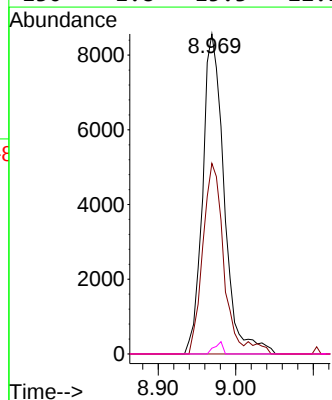
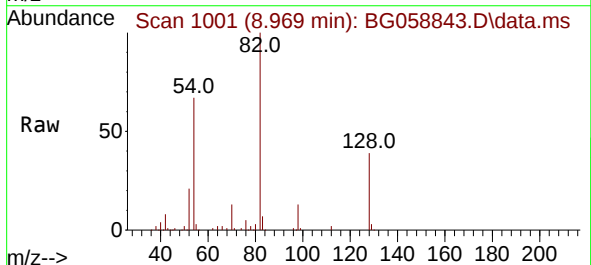
Instrument :
BNA_G
ClientSampleId :
TP-C

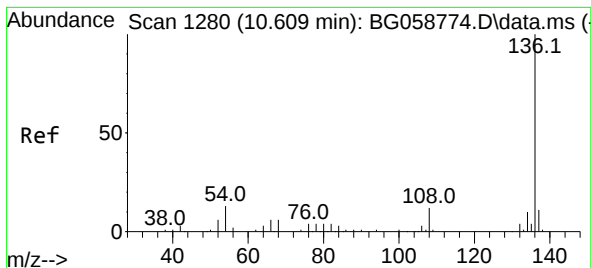
Tgt Ion: 99 Resp: 176847
Ion Ratio Lower Upper
99 100
42 22.7 16.5 24.7
71 36.7 28.4 42.6



#19
n-Nitroso-di-n-propylamine
Concen: 17.878 ng
RT: 8.969 min Scan# 1001
Delta R.T. 0.352 min
Lab File: BG058843.D
Acq: 24 Aug 2023 18:00

Tgt Ion: 70 Resp: 16489
Ion Ratio Lower Upper
70 100
42 59.5 59.2 88.8
101 0.0 8.2 12.2#
130 1.8 15.3 22.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.608 min Scan# 11

Delta R.T. -0.001 min

Lab File: BG058843.D

Acq: 24 Aug 2023 18:00

Instrument :

BNA_G

ClientSampleId :

TP-C

Tgt Ion:136 Resp: 67252

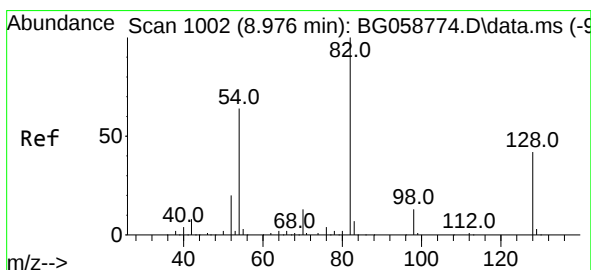
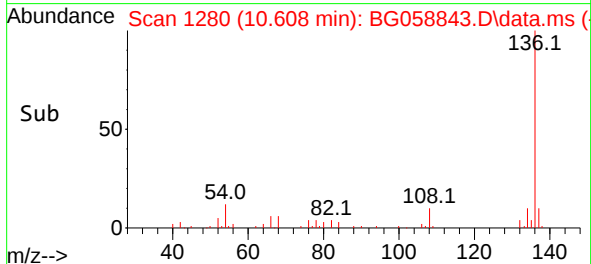
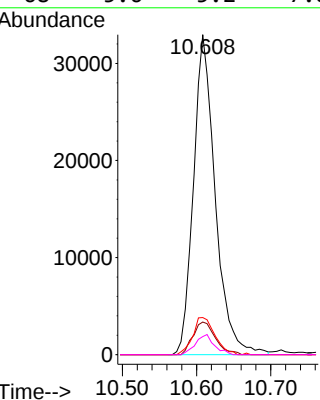
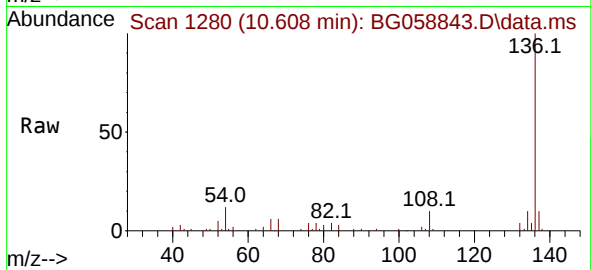
Ion Ratio Lower Upper

136 100

137 10.2 8.7 13.1

54 11.6 10.1 15.1

68 5.6 5.2 7.8



#23

Nitrobenzene-d5

Concen: 92.083 ng

RT: 8.969 min Scan# 1001

Delta R.T. -0.007 min

Lab File: BG058843.D

Acq: 24 Aug 2023 18:00

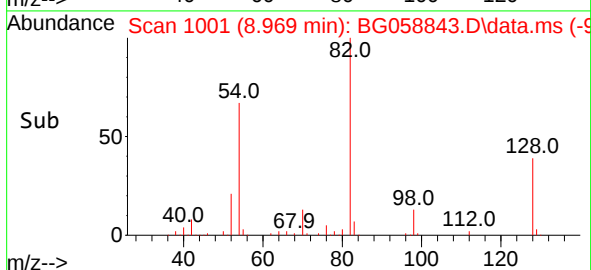
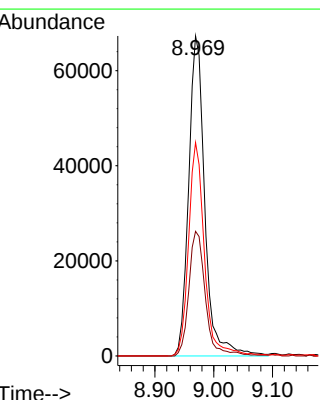
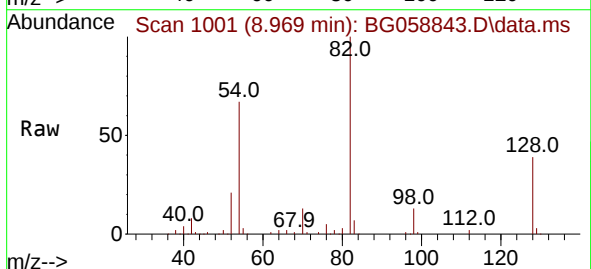
Tgt Ion: 82 Resp: 128808

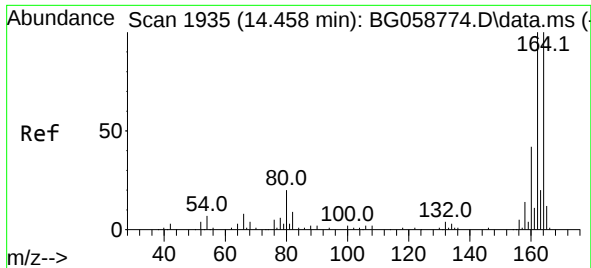
Ion Ratio Lower Upper

82 100

128 39.0 33.2 49.8

54 66.7 51.2 76.8

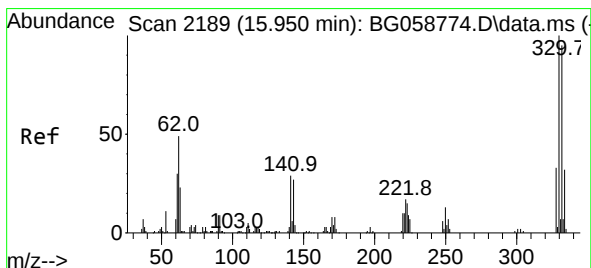
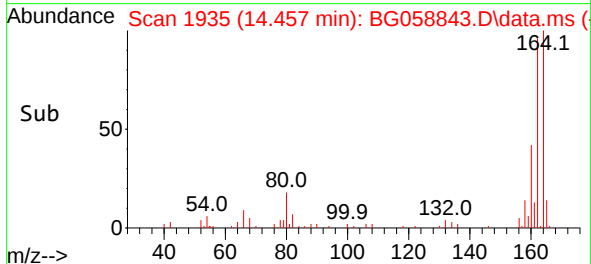
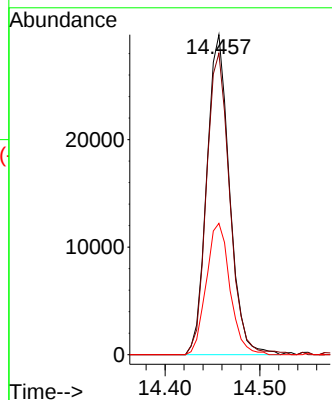
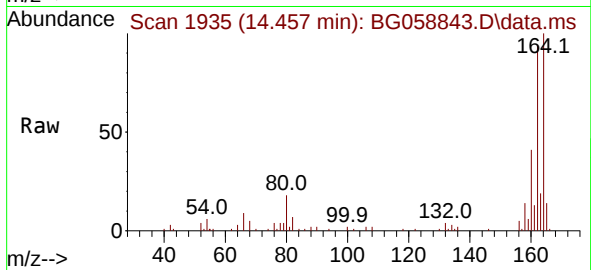




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1935
Delta R.T. -0.001 min
Lab File: BG058843.D
Acq: 24 Aug 2023 18:00

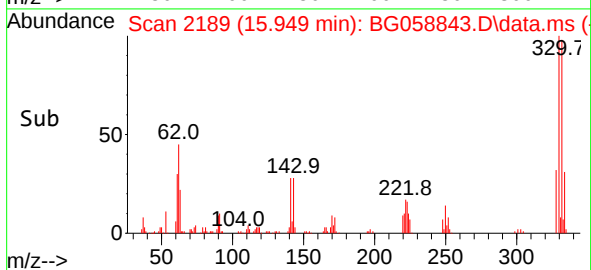
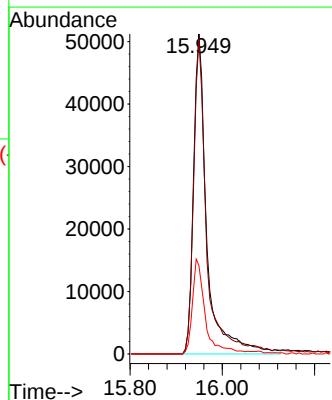
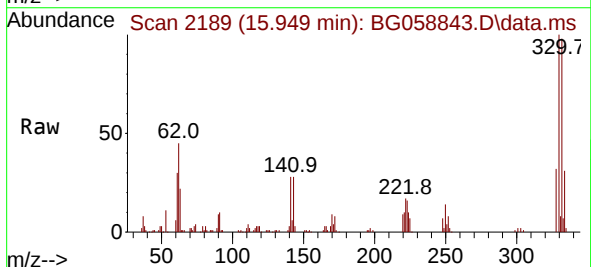
Instrument :
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ClientSampleId :
TP-C

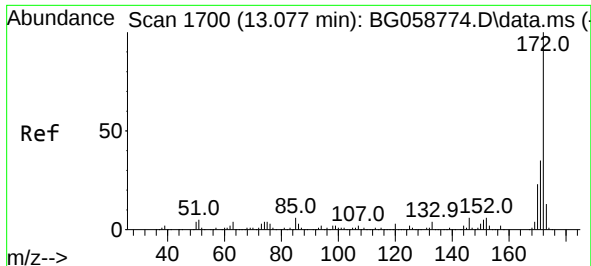
Tgt Ion:164 Resp: 49521
Ion Ratio Lower Upper
164 100
162 94.2 79.6 119.4
160 41.0 34.0 51.0



#42
2,4,6-Tribromophenol
Concen: 133.479 ng
RT: 15.949 min Scan# 2189
Delta R.T. -0.001 min
Lab File: BG058843.D
Acq: 24 Aug 2023 18:00

Tgt Ion:330 Resp: 103644
Ion Ratio Lower Upper
330 100
332 92.5 78.5 117.7
141 28.1 23.0 34.6

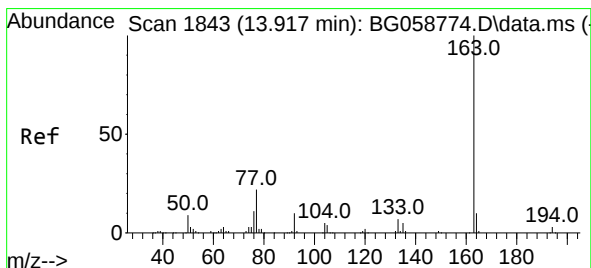
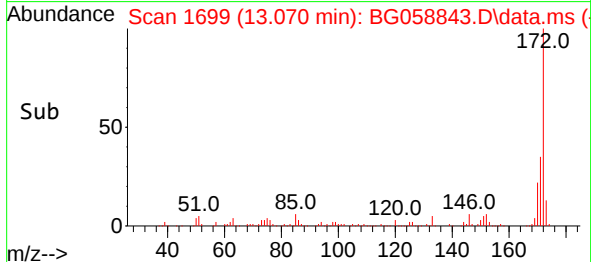
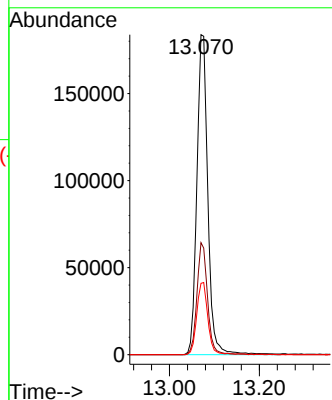
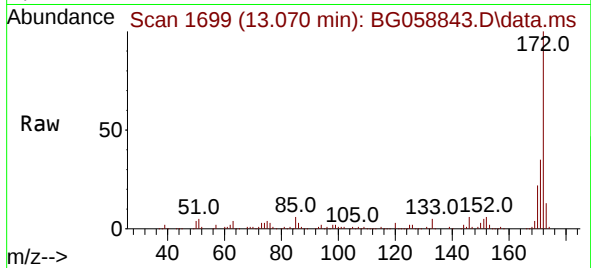




#45
2-Fluorobiphenyl
Concen: 91.369 ng
RT: 13.070 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG058843.D
Acq: 24 Aug 2023 18:00

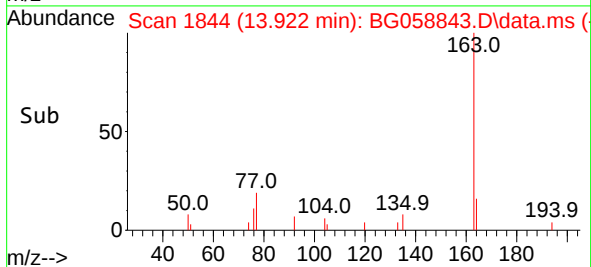
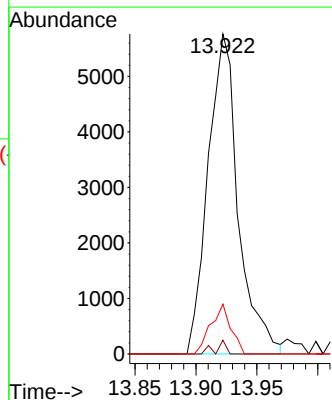
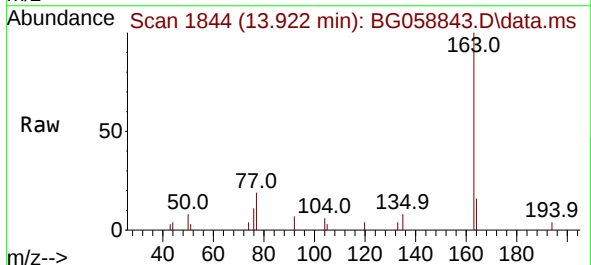
Instrument :
BNA_G
ClientSampleId :
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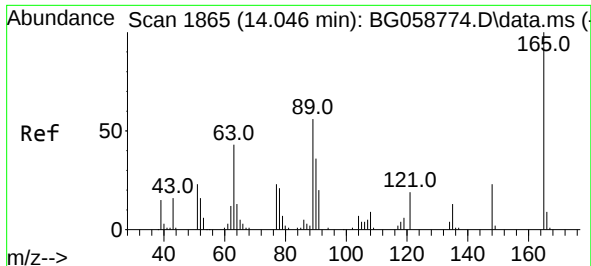
Tgt Ion:172 Resp: 311090
Ion Ratio Lower Upper
172 100
171 35.0 28.1 42.1
170 22.3 18.6 27.8



#50
Dimethylphthalate
Concen: 2.593 ng
RT: 13.922 min Scan# 1844
Delta R.T. 0.005 min
Lab File: BG058843.D
Acq: 24 Aug 2023 18:00

Tgt Ion:163 Resp: 9943
Ion Ratio Lower Upper
163 100
194 4.3 2.7 4.1#
164 15.6 8.3 12.5#

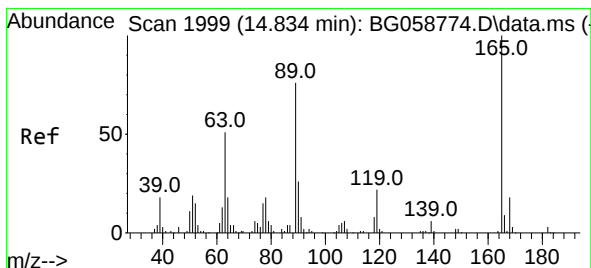
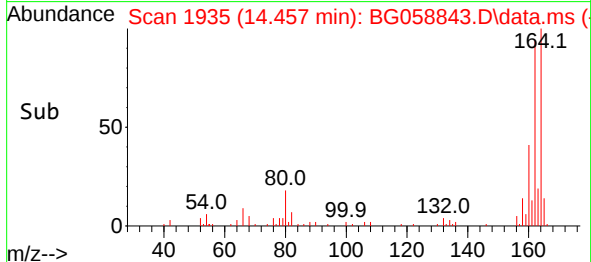
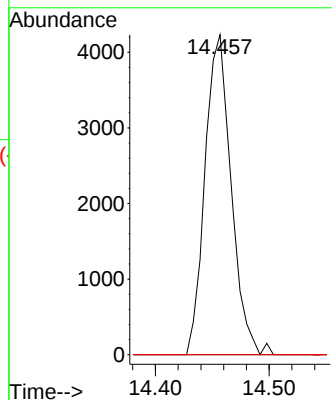
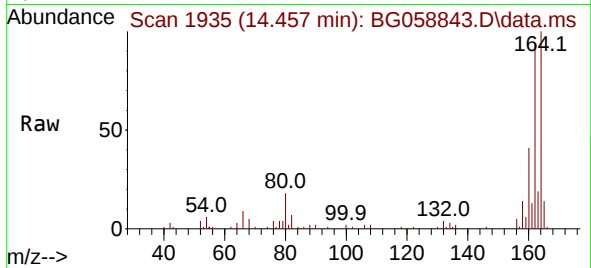




#51
2,6-Dinitrotoluene
Concen: 8.412 ng
RT: 14.457 min Scan# 1935
Delta R.T. 0.411 min
Lab File: BG058843.D
Acq: 24 Aug 2023 18:00

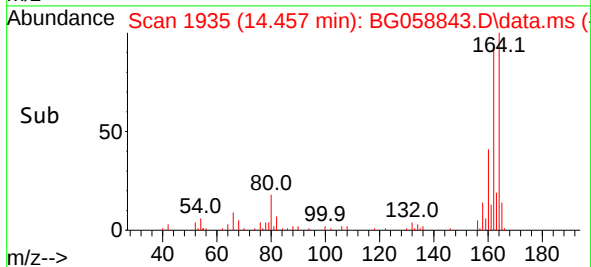
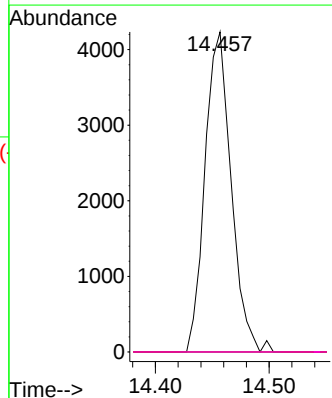
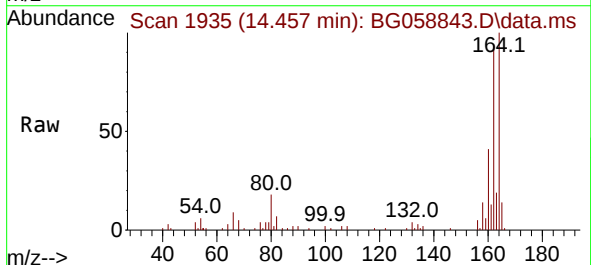
Instrument :
BNA_G
ClientSampleId :
TP-C

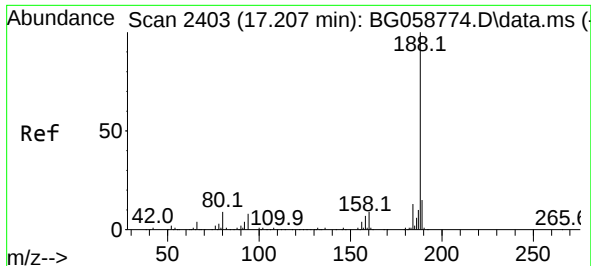
Tgt Ion:165 Resp: 6776
Ion Ratio Lower Upper
165 100
63 0.0 47.2 70.8#
89 0.0 45.0 67.4#



#57
2,4-Dinitrotoluene
Concen: 6.031 ng
RT: 14.457 min Scan# 1935
Delta R.T. -0.377 min
Lab File: BG058843.D
Acq: 24 Aug 2023 18:00

Tgt Ion:165 Resp: 6776
Ion Ratio Lower Upper
165 100
63 0.0 41.8 62.6#
89 0.0 60.7 91.1#
182 0.0 2.1 3.1#

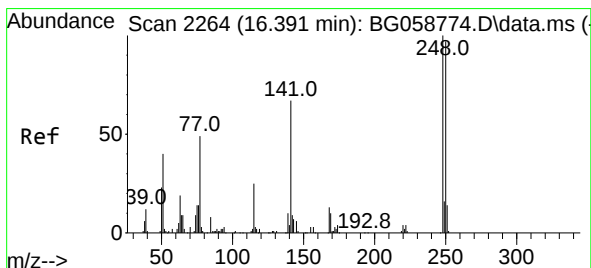
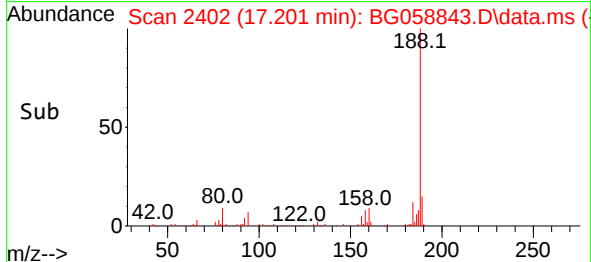
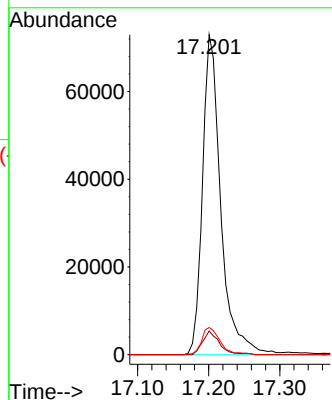
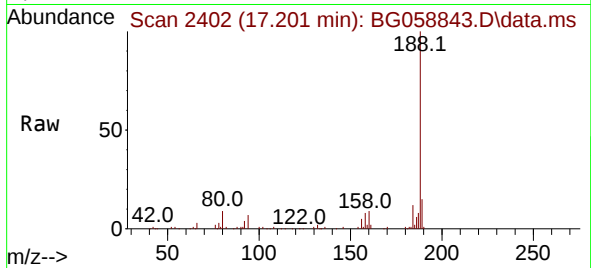




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2403
Delta R.T. -0.007 min
Lab File: BG058843.D
Acq: 24 Aug 2023 18:00

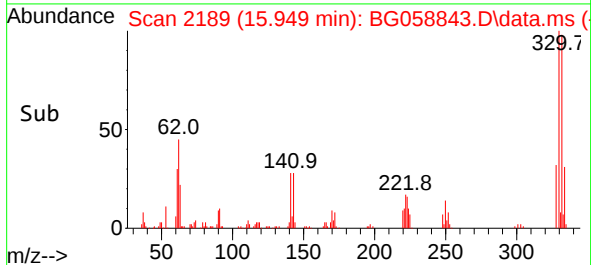
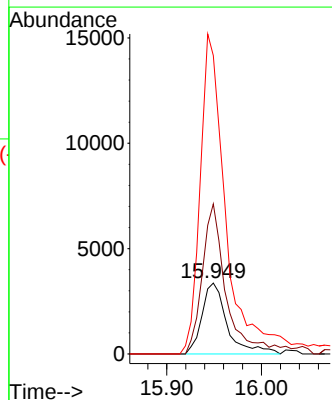
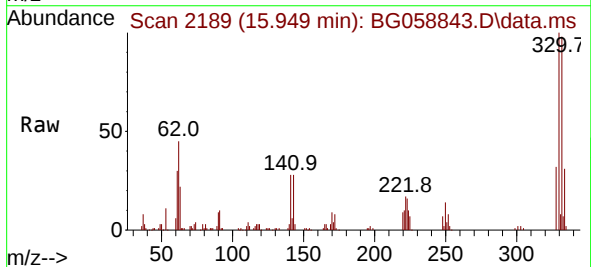
Instrument :
BNA_G
ClientSampleId :
TP-C

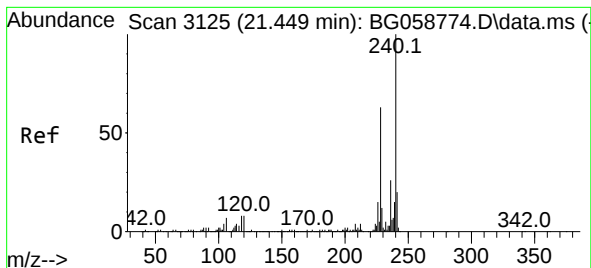
Tgt Ion:188 Resp: 130490
Ion Ratio Lower Upper
188 100
94 7.4 6.1 9.1
80 8.5 6.9 10.3



#67
4-Bromophenyl-phenylether
Concen: 4.360 ng
RT: 15.949 min Scan# 2189
Delta R.T. -0.442 min
Lab File: BG058843.D
Acq: 24 Aug 2023 18:00

Tgt Ion:248 Resp: 6243
Ion Ratio Lower Upper
248 100
250 211.6 77.7 116.5#
141 420.9 53.6 80.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.449 min Scan# 3125

Delta R.T. -0.001 min

Lab File: BG058843.D

Acq: 24 Aug 2023 18:00

Instrument :

BNA_G

ClientSampleId :

TP-C

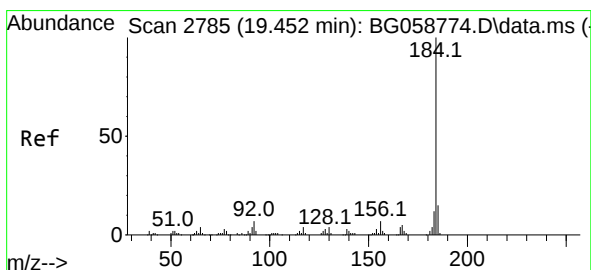
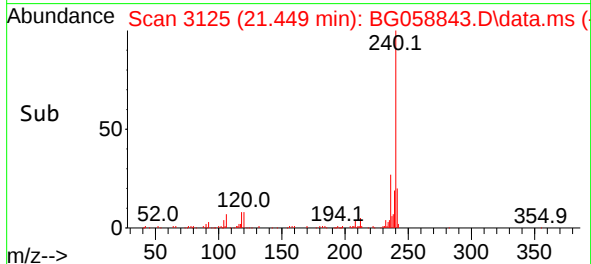
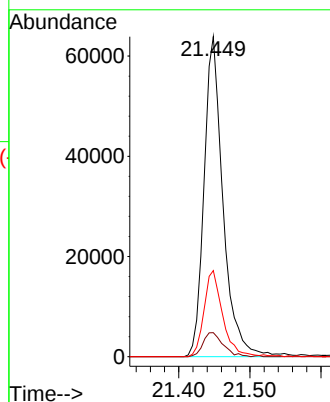
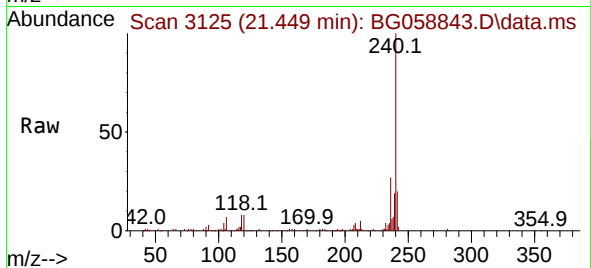
Tgt Ion:240 Resp: 118604

Ion Ratio Lower Upper

240 100

120 7.5 6.2 9.2

236 26.9 20.5 30.7



#77

Benzdine

Concen: 4.294 ng

RT: 19.821 min Scan# 2848

Delta R.T. 0.369 min

Lab File: BG058843.D

Acq: 24 Aug 2023 18:00

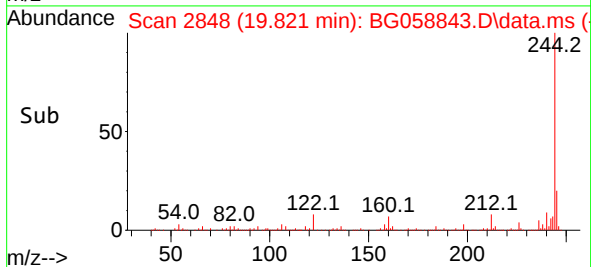
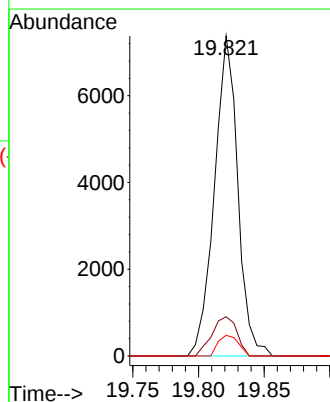
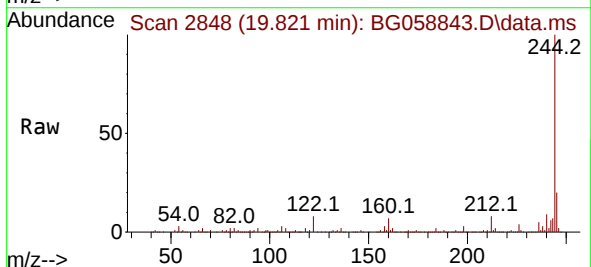
Tgt Ion:184 Resp: 9128

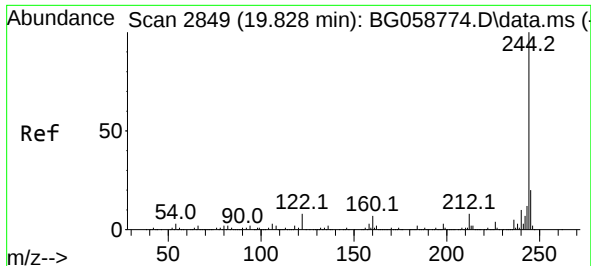
Ion Ratio Lower Upper

184 100

185 12.3 11.9 17.9

183 6.5 10.0 15.0#

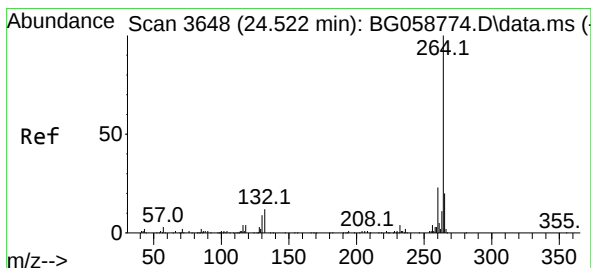
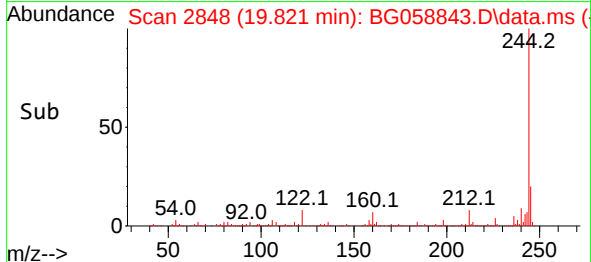
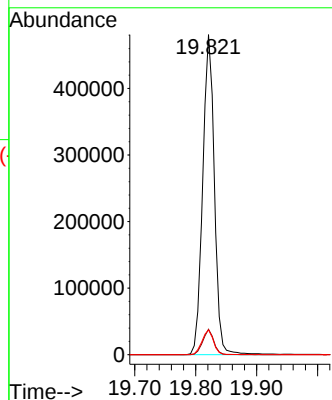
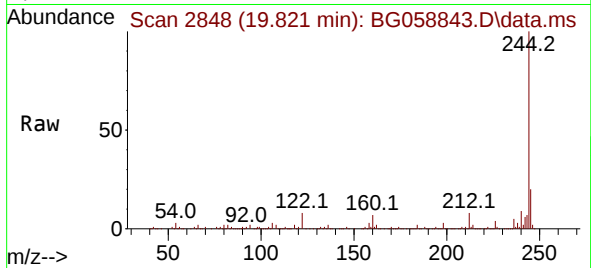




#79
 Terphenyl-d14
 Concen: 96.923 ng
 RT: 19.821 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: BG058843.D
 Acq: 24 Aug 2023 18:00

Instrument :
 BNA_G
 ClientSampleId :
 TP-C

Tgt Ion:244 Resp: 640203
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.2 9.2
 122 7.7 6.3 9.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.521 min Scan# 3648
 Delta R.T. -0.001 min
 Lab File: BG058843.D
 Acq: 24 Aug 2023 18:00

Tgt Ion:264 Resp: 140032
 Ion Ratio Lower Upper
 264 100
 260 22.5 18.2 27.2
 265 22.9 16.4 24.6

