

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080423\
 Data File : BG058605.D
 Acq On : 4 Aug 2023 10:43
 Operator : MA/JU
 Sample : 03877-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-2

Quant Time: Aug 04 11:57:10 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)

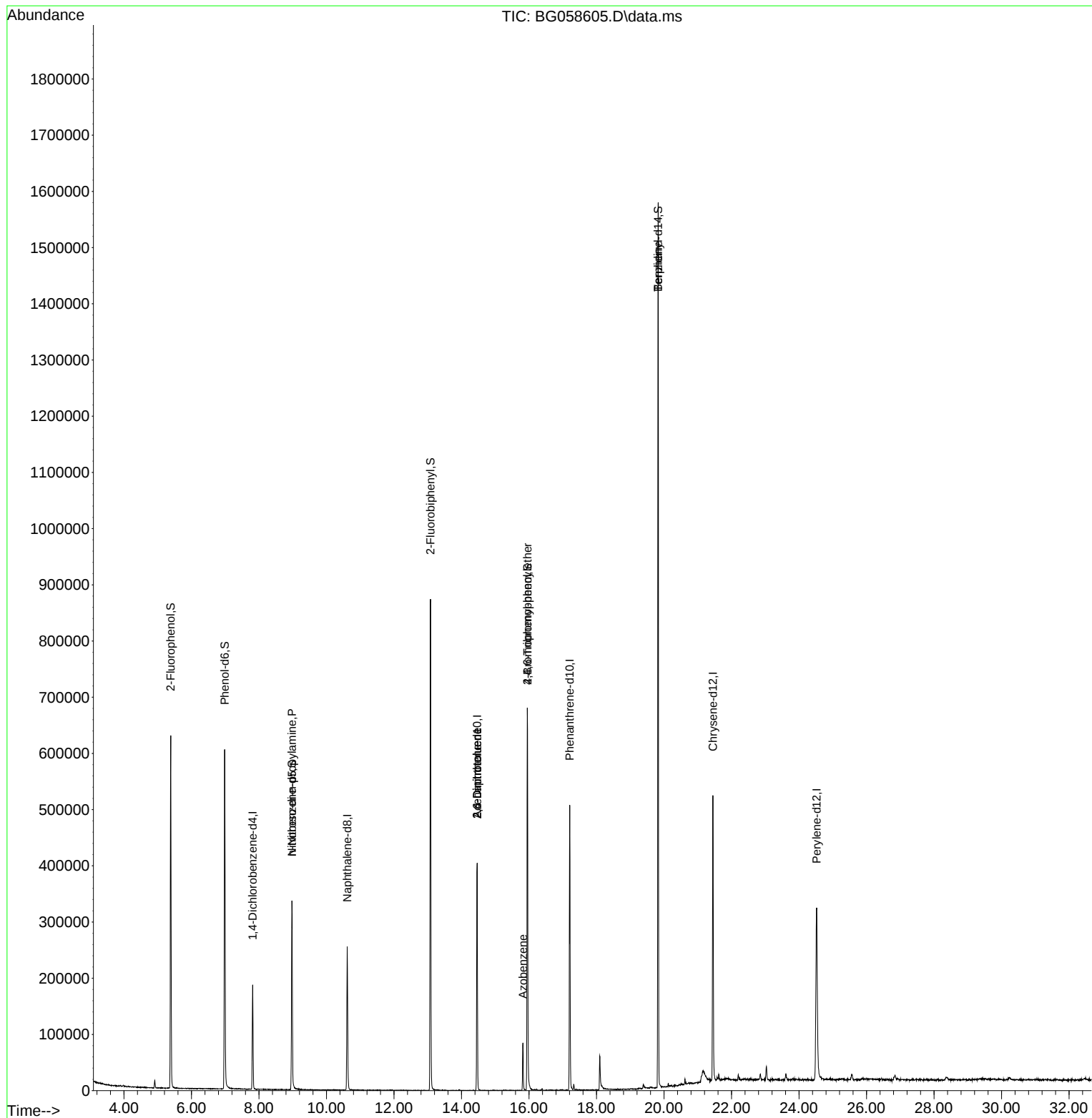
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.812	152	52026	20.000	ng	0.00
21) Naphthalene-d8	10.614	136	222996	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	147605	20.000	ng	0.00
64) Phenanthrene-d10	17.206	188	340069	20.000	ng	0.00
76) Chrysene-d12	21.449	240	303748	20.000	ng	0.00
86) Perylene-d12	24.521	264	372236	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.385	112	264505	77.708	ng	0.00
7) Phenol-d6	6.983	99	364289	76.913	ng	0.00
23) Nitrobenzene-d5	8.975	82	220053	48.477	ng	0.00
42) 2,4,6-Tribromophenol	15.955	330	161670	66.824	ng	0.00
45) 2-Fluorobiphenyl	13.082	172	510660	51.846	ng	0.00
79) Terphenyl-d14	19.827	244	852838	52.800	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	8.975	70	27254	8.908	ng	# 79
51) 2,6-Dinitrotoluene	14.463	165	19280	7.926	ng	# 25
57) 2,4-Dinitrotoluene	14.463	165	19280	5.717	ng	# 25
63) Azobenzene	15.820	77	27084	2.435	ng	# 1
67) 4-Bromophenyl-phenylether	15.955	248	10107	2.620	ng	# 1
77) Benzidine	19.827	184	10580	2.297	ng	# 95

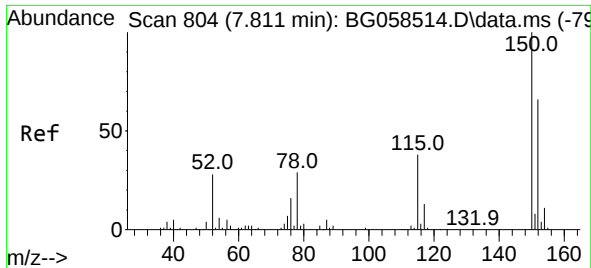
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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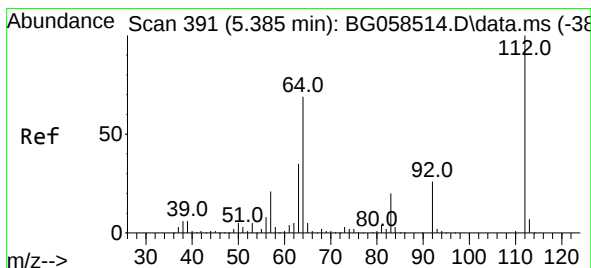
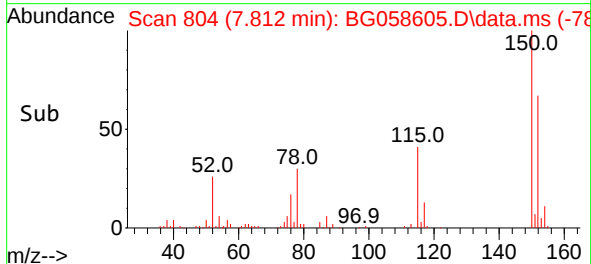
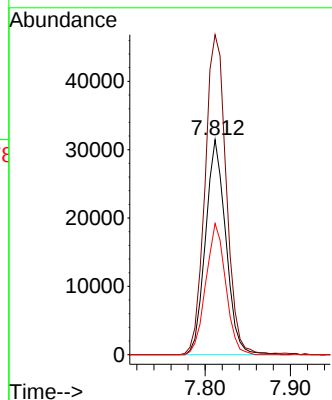
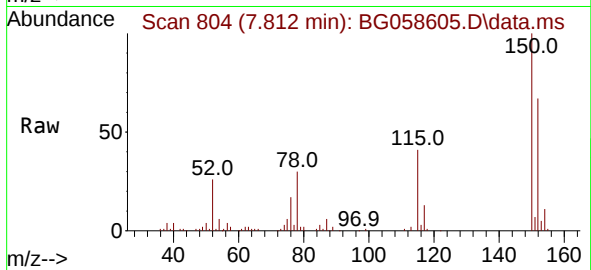




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.812 min Scan# 804
Delta R.T. 0.001 min
Lab File: BG058605.D
Acq: 4 Aug 2023 10:43

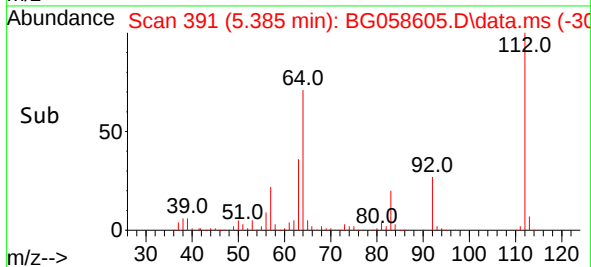
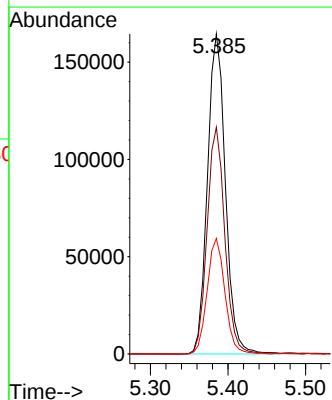
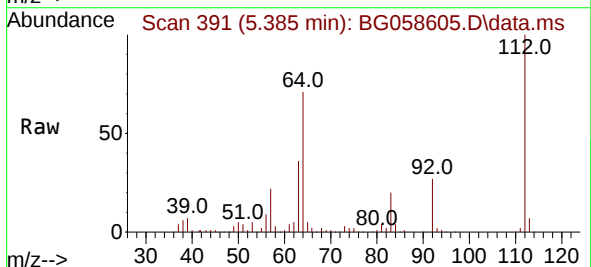
Instrument :
BNA_G
ClientSampleId :
COMP-2

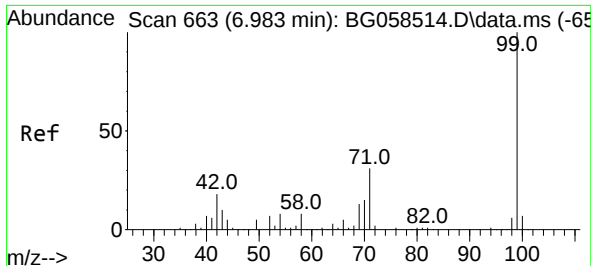
Tgt Ion:152 Resp: 52026
Ion Ratio Lower Upper
152 100
150 148.8 120.5 180.7
115 61.0 45.9 68.9



#5
2-Fluorophenol
Concen: 77.708 ng
RT: 5.385 min Scan# 391
Delta R.T. 0.000 min
Lab File: BG058605.D
Acq: 4 Aug 2023 10:43

Tgt Ion:112 Resp: 264505
Ion Ratio Lower Upper
112 100
64 70.9 55.3 82.9
63 36.1 28.3 42.5

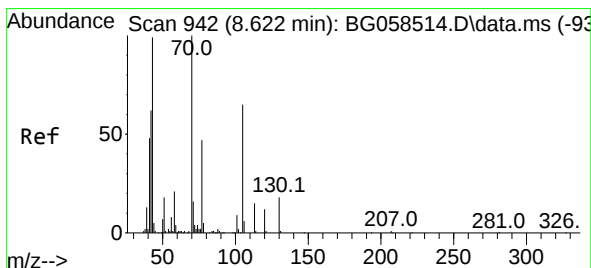
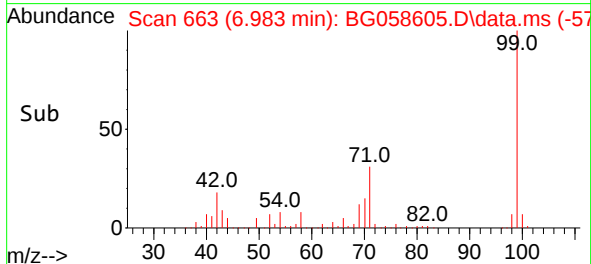
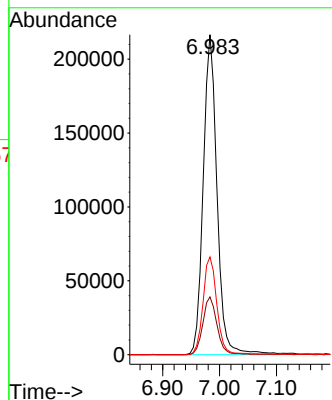
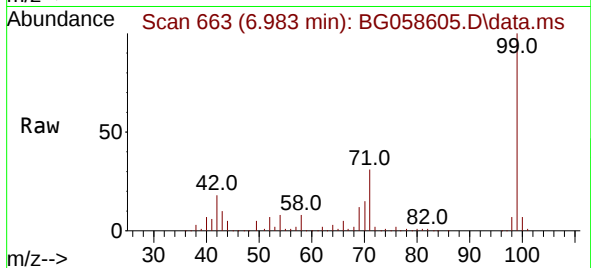




#7
Phenol-d6
Concen: 76.913 ng
RT: 6.983 min Scan# 60
Delta R.T. 0.000 min
Lab File: BG058605.D
Acq: 4 Aug 2023 10:43

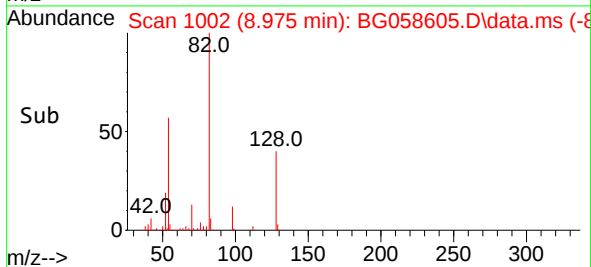
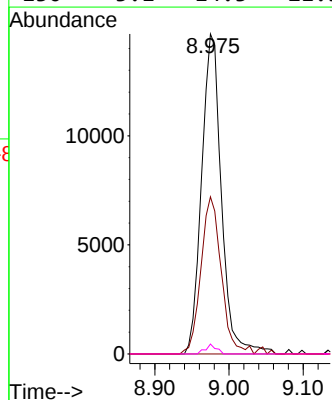
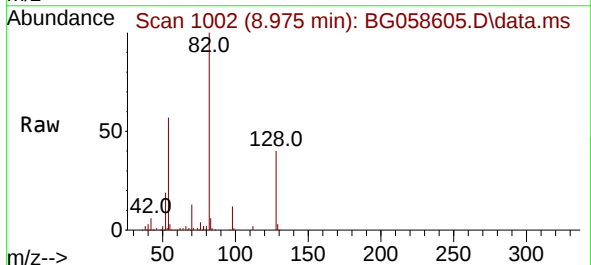
Instrument :
BNA_G
ClientSampleId :
COMP-2

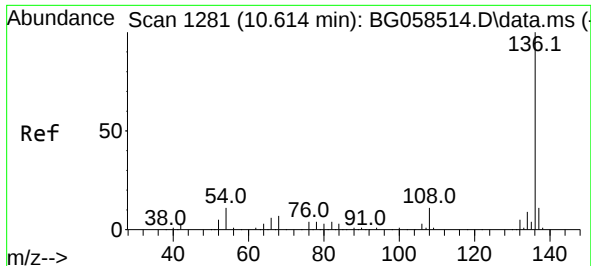
Tgt Ion: 99 Resp: 364289
Ion Ratio Lower Upper
99 100
42 18.0 14.6 21.8
71 30.6 25.0 37.4



#19
n-Nitroso-di-n-propylamine
Concen: 8.908 ng
RT: 8.975 min Scan# 1002
Delta R.T. 0.353 min
Lab File: BG058605.D
Acq: 4 Aug 2023 10:43

Tgt Ion: 70 Resp: 27254
Ion Ratio Lower Upper
70 100
42 49.1 49.7 74.5#
101 0.0 7.0 10.4#
130 3.1 14.3 21.5#

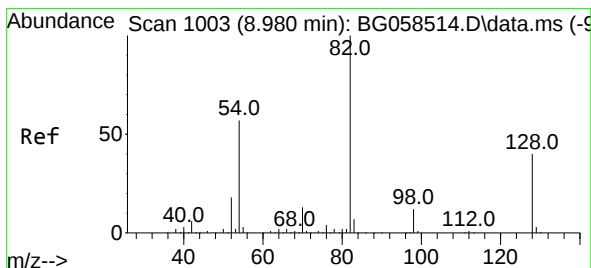
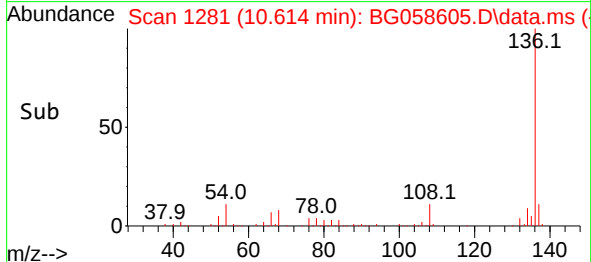
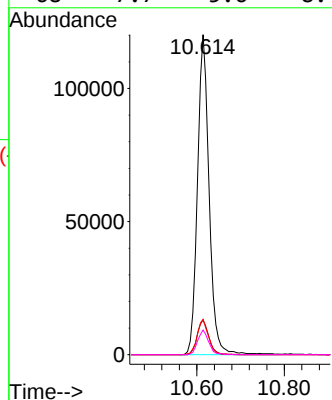
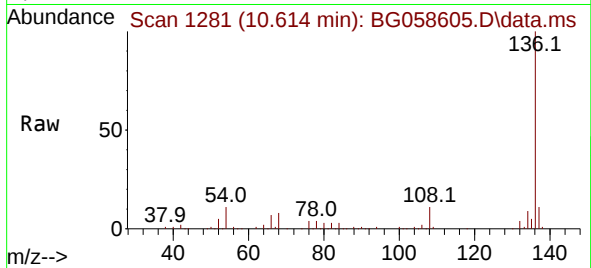




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.614 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG058605.D
Acq: 4 Aug 2023 10:43

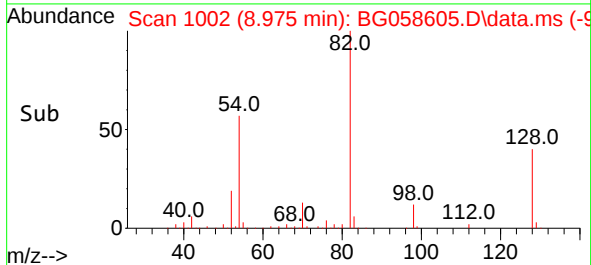
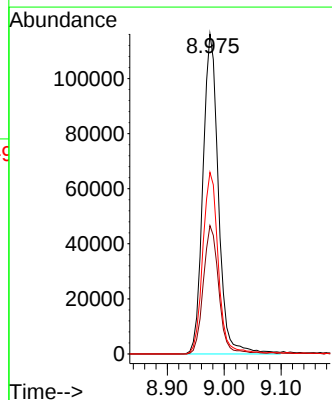
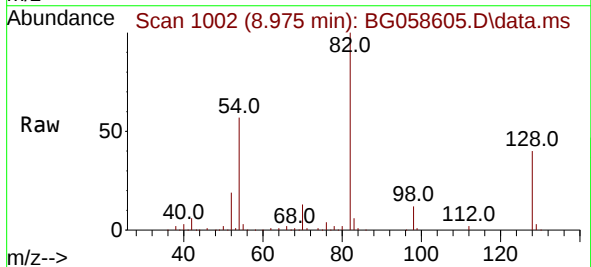
Instrument :
BNA_G
ClientSampleId :
COMP-2

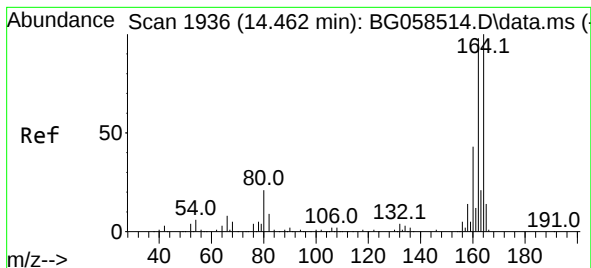
Tgt Ion:136 Resp: 222996
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 11.1 8.9 13.3
68 7.7 5.6 8.4



#23
Nitrobenzene-d5
Concen: 48.477 ng
RT: 8.975 min Scan# 1002
Delta R.T. -0.006 min
Lab File: BG058605.D
Acq: 4 Aug 2023 10:43

Tgt Ion: 82 Resp: 220053
Ion Ratio Lower Upper
82 100
128 40.1 32.2 48.2
54 56.8 46.0 69.0

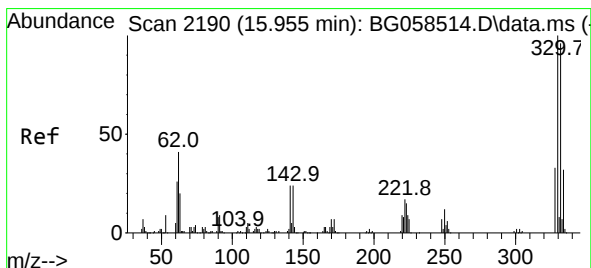
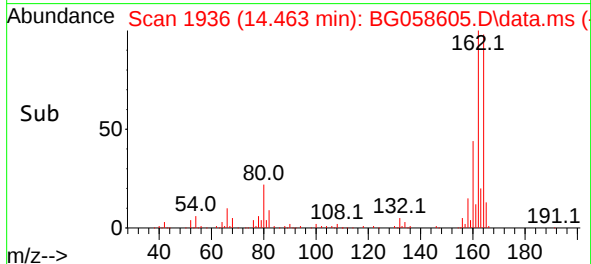
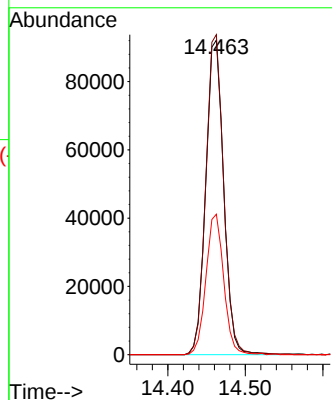
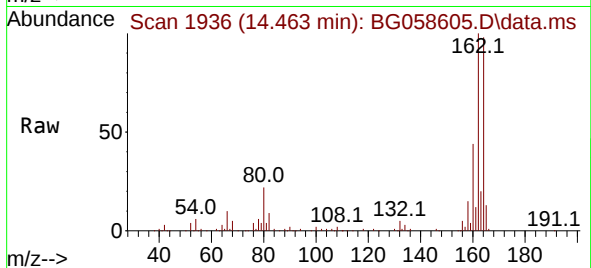




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1936
Delta R.T. 0.000 min
Lab File: BG058605.D
Acq: 4 Aug 2023 10:43

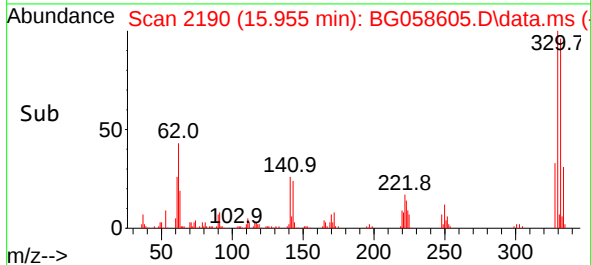
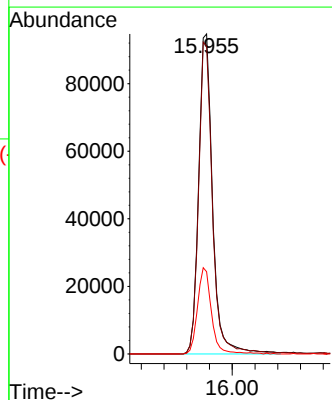
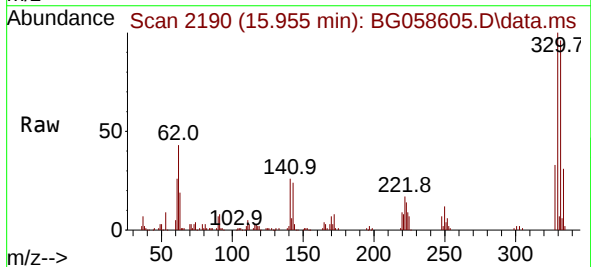
Instrument :
BNA_G
ClientSampleId :
COMP-2

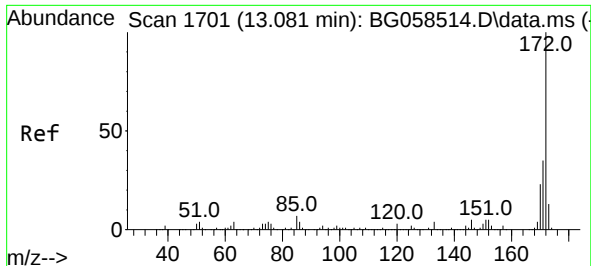
Tgt Ion:164 Resp: 147605
Ion Ratio Lower Upper
164 100
162 101.7 78.3 117.5
160 44.6 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 66.824 ng
RT: 15.955 min Scan# 2190
Delta R.T. 0.000 min
Lab File: BG058605.D
Acq: 4 Aug 2023 10:43

Tgt Ion:330 Resp: 161670
Ion Ratio Lower Upper
330 100
332 97.2 77.5 116.3
141 26.9 20.7 31.1

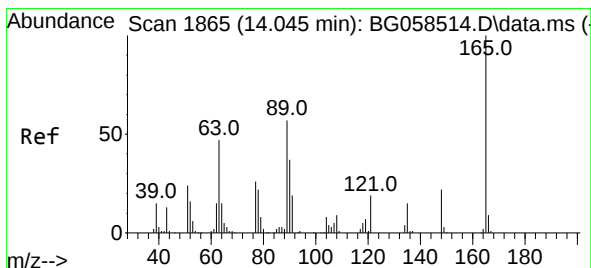
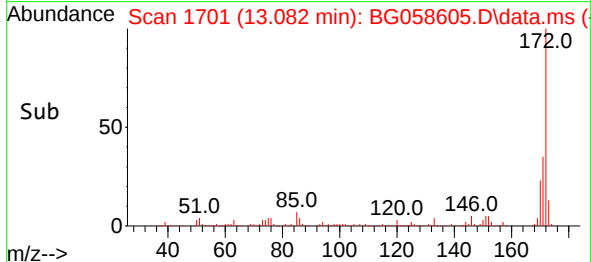
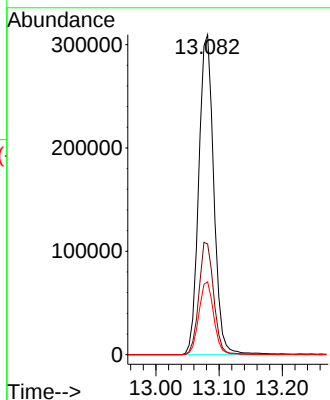
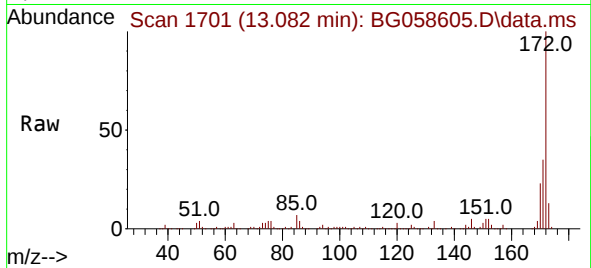




#45
2-Fluorobiphenyl
Concen: 51.846 ng
RT: 13.082 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG058605.D
Acq: 4 Aug 2023 10:43

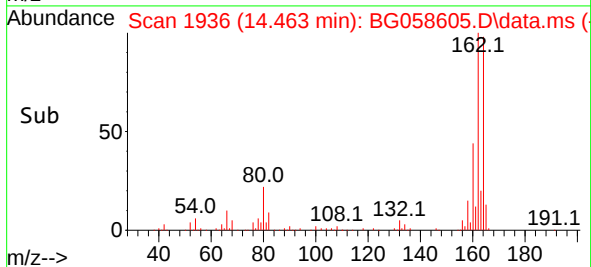
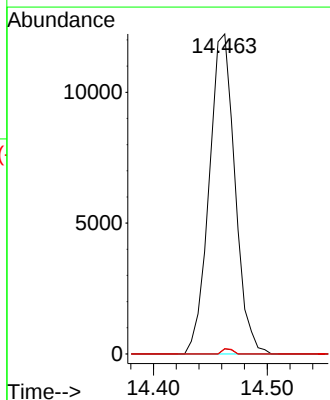
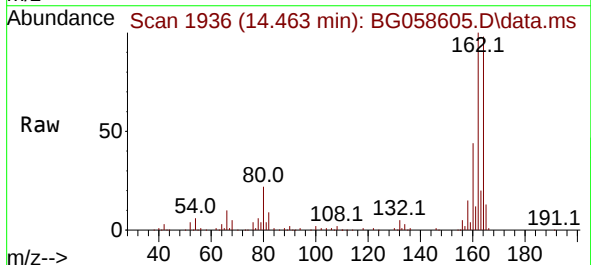
Instrument :
BNA_G
ClientSampleId :
COMP-2

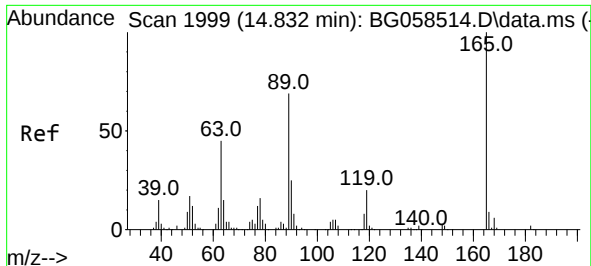
Tgt Ion:172 Resp: 510660
Ion Ratio Lower Upper
172 100
171 34.6 28.0 42.0
170 22.7 18.4 27.6



#51
2,6-Dinitrotoluene
Concen: 7.926 ng
RT: 14.463 min Scan# 1936
Delta R.T. 0.418 min
Lab File: BG058605.D
Acq: 4 Aug 2023 10:43

Tgt Ion:165 Resp: 19280
Ion Ratio Lower Upper
165 100
63 1.6 46.4 69.6#
89 1.7 45.3 67.9#





#57

2,4-Dinitrotoluene

Concen: 5.717 ng

RT: 14.463 min Scan# 1999

Delta R.T. -0.369 min

Lab File: BG058605.D

Acq: 4 Aug 2023 10:43

Instrument :

BNA_G

ClientSampleId :

COMP-2

Tgt Ion:165 Resp: 19280

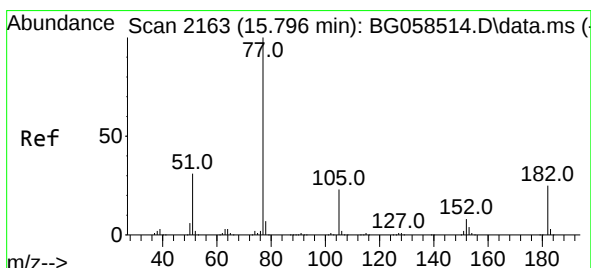
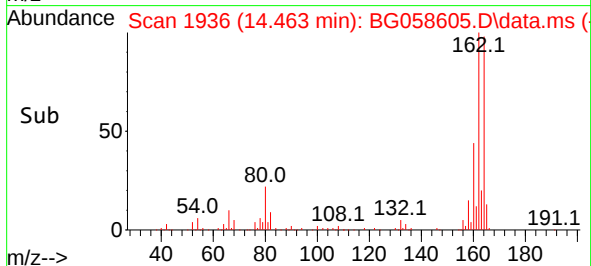
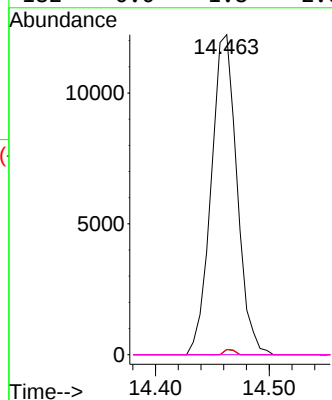
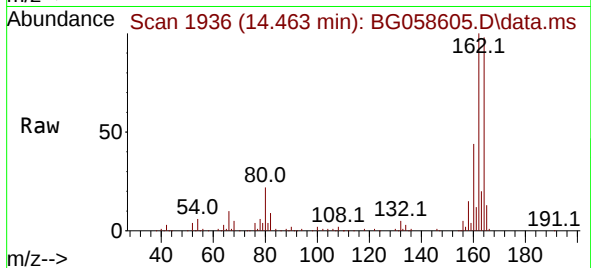
Ion Ratio Lower Upper

165 100

63 1.6 36.6 54.8#

89 1.7 55.4 83.0#

182 0.0 1.8 2.6#



#63

Azobenzene

Concen: 2.435 ng

RT: 15.820 min Scan# 2167

Delta R.T. 0.024 min

Lab File: BG058605.D

Acq: 4 Aug 2023 10:43

Tgt Ion: 77 Resp: 27084

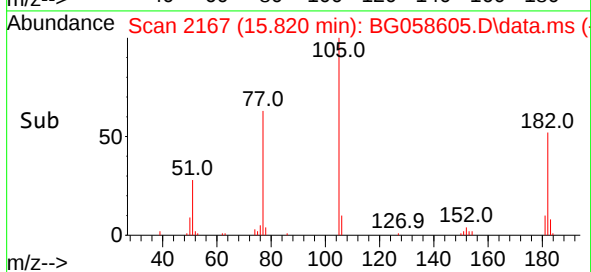
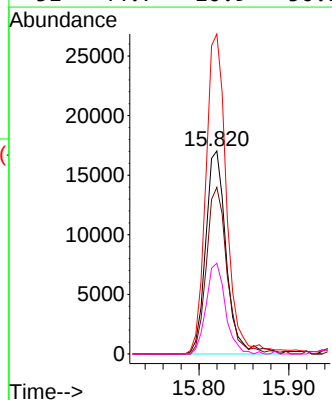
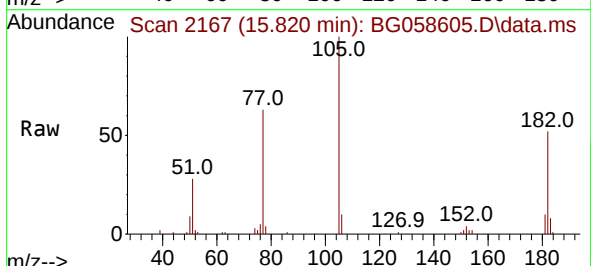
Ion Ratio Lower Upper

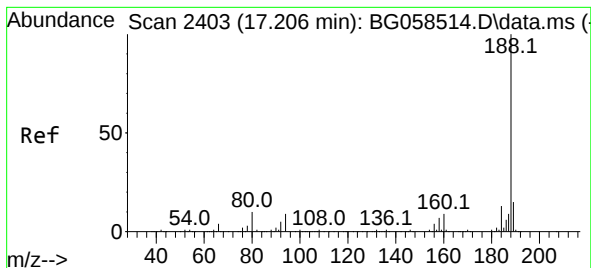
77 100

182 82.1 4.6 44.6#

105 157.6 3.3 43.3#

51 44.7 10.9 50.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.206 min Scan# 24

Delta R.T. 0.000 min

Lab File: BG058605.D

Acq: 4 Aug 2023 10:43

Instrument :

BNA_G

ClientSampleId :

COMP-2

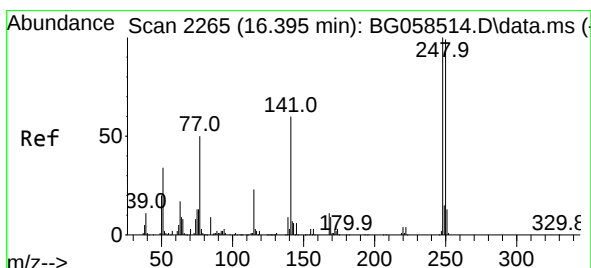
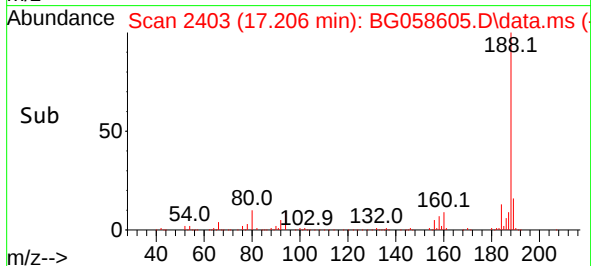
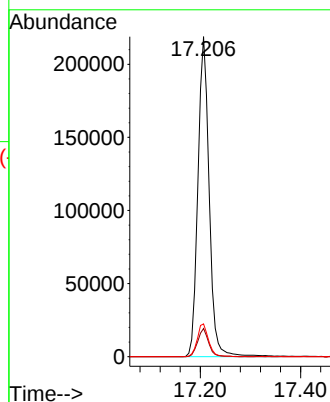
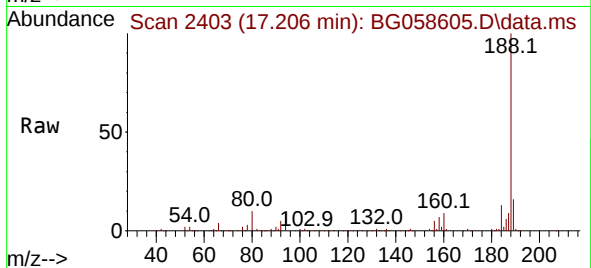
Tgt Ion:188 Resp: 340069

Ion Ratio Lower Upper

188 100

94 8.8 7.0 10.6

80 10.3 8.1 12.1



#67

4-Bromophenyl-phenylether

Concen: 2.620 ng

RT: 15.955 min Scan# 2190

Delta R.T. -0.440 min

Lab File: BG058605.D

Acq: 4 Aug 2023 10:43

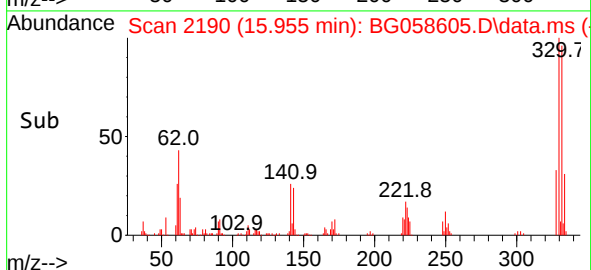
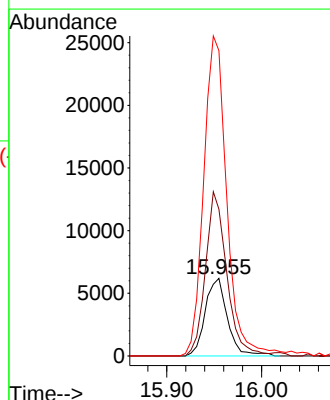
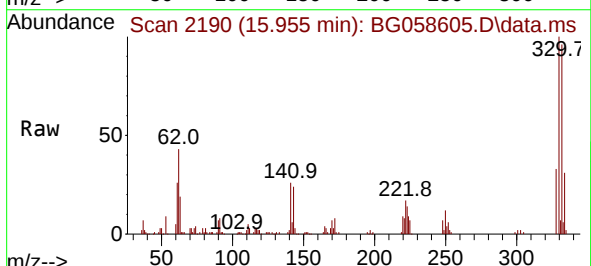
Tgt Ion:248 Resp: 10107

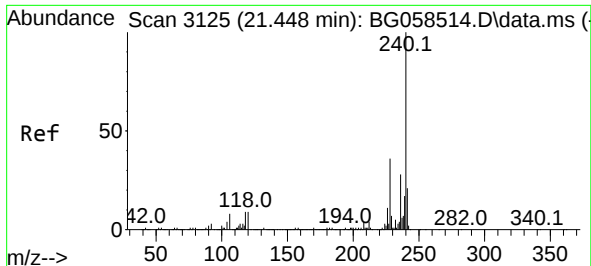
Ion Ratio Lower Upper

248 100

250 189.1 79.5 119.3#

141 393.5 48.2 72.2#

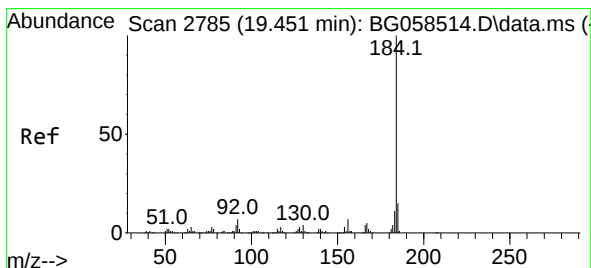
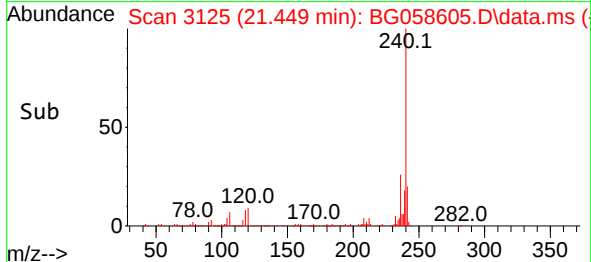
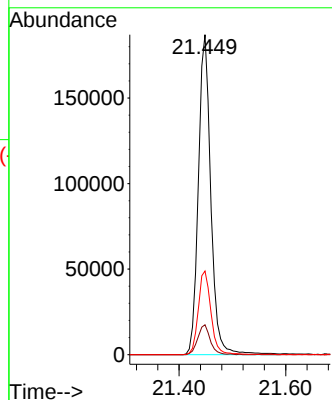
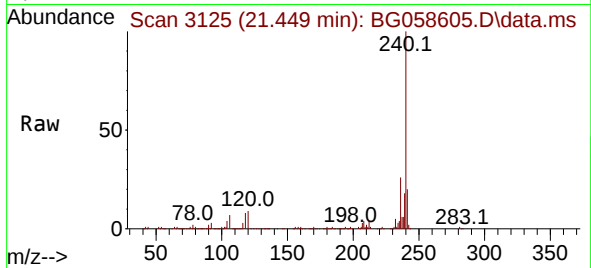




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.449 min Scan# 31
Delta R.T. 0.000 min
Lab File: BG058605.D
Acq: 4 Aug 2023 10:43

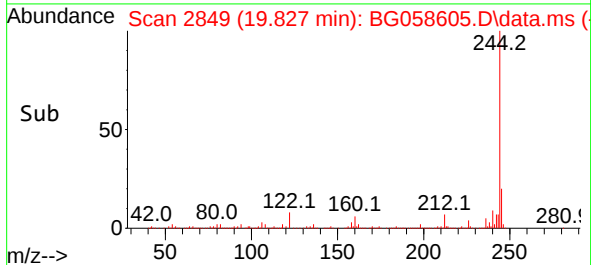
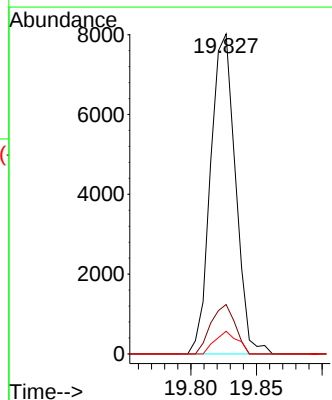
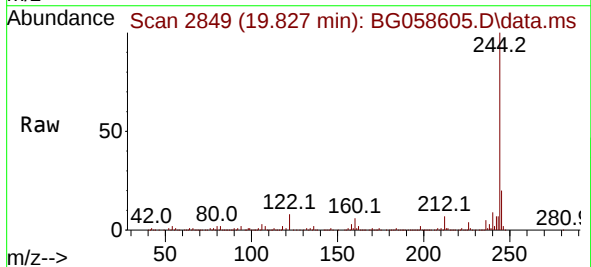
Instrument :
BNA_G
ClientSampleId :
COMP-2

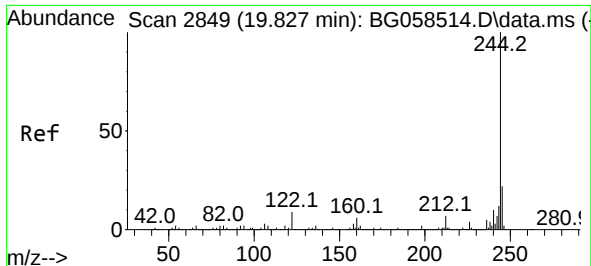
Tgt Ion:240 Resp: 303748
Ion Ratio Lower Upper
240 100
120 9.4 7.4 11.0
236 26.2 22.2 33.4



#77
Benzidine
Concen: 2.297 ng
RT: 19.827 min Scan# 2849
Delta R.T. 0.376 min
Lab File: BG058605.D
Acq: 4 Aug 2023 10:43

Tgt Ion:184 Resp: 10580
Ion Ratio Lower Upper
184 100
185 15.5 11.9 17.9
183 7.1 8.7 13.1#

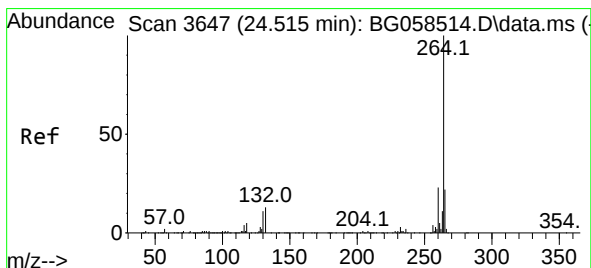
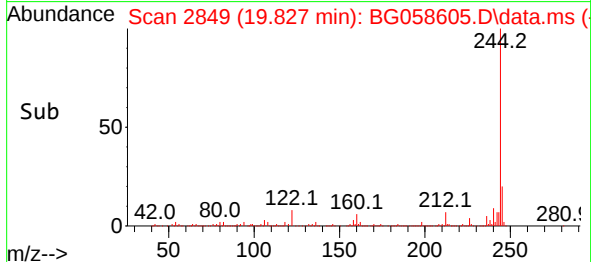
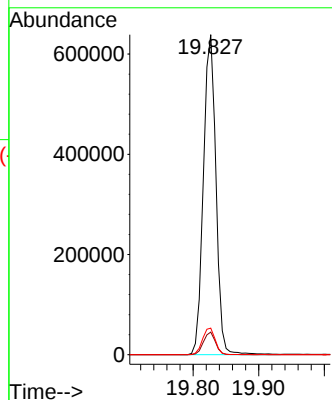
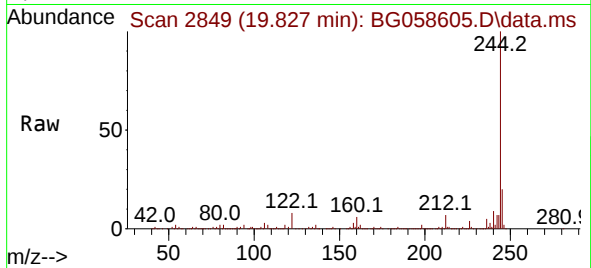




#79
 Terphenyl-d14
 Concen: 52.800 ng
 RT: 19.827 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BG058605.D
 Acq: 4 Aug 2023 10:43

Instrument :
 BNA_G
 ClientSampleId :
 COMP-2

Tgt Ion:244 Resp: 852838
 Ion Ratio Lower Upper
 244 100
 212 7.1 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: BG058605.D
 Acq: 4 Aug 2023 10:43

Tgt Ion:264 Resp: 372236
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.4 27.6
 265 22.3 17.9 26.9

