

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062223\
 Data File : BG057804.D
 Acq On : 22 Jun 2023 10:59
 Operator : CG/JU
 Sample : 03321-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-24

Quant Time: Jun 22 12:05:35 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 03:40:38 2023
 Response via : Initial Calibration

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

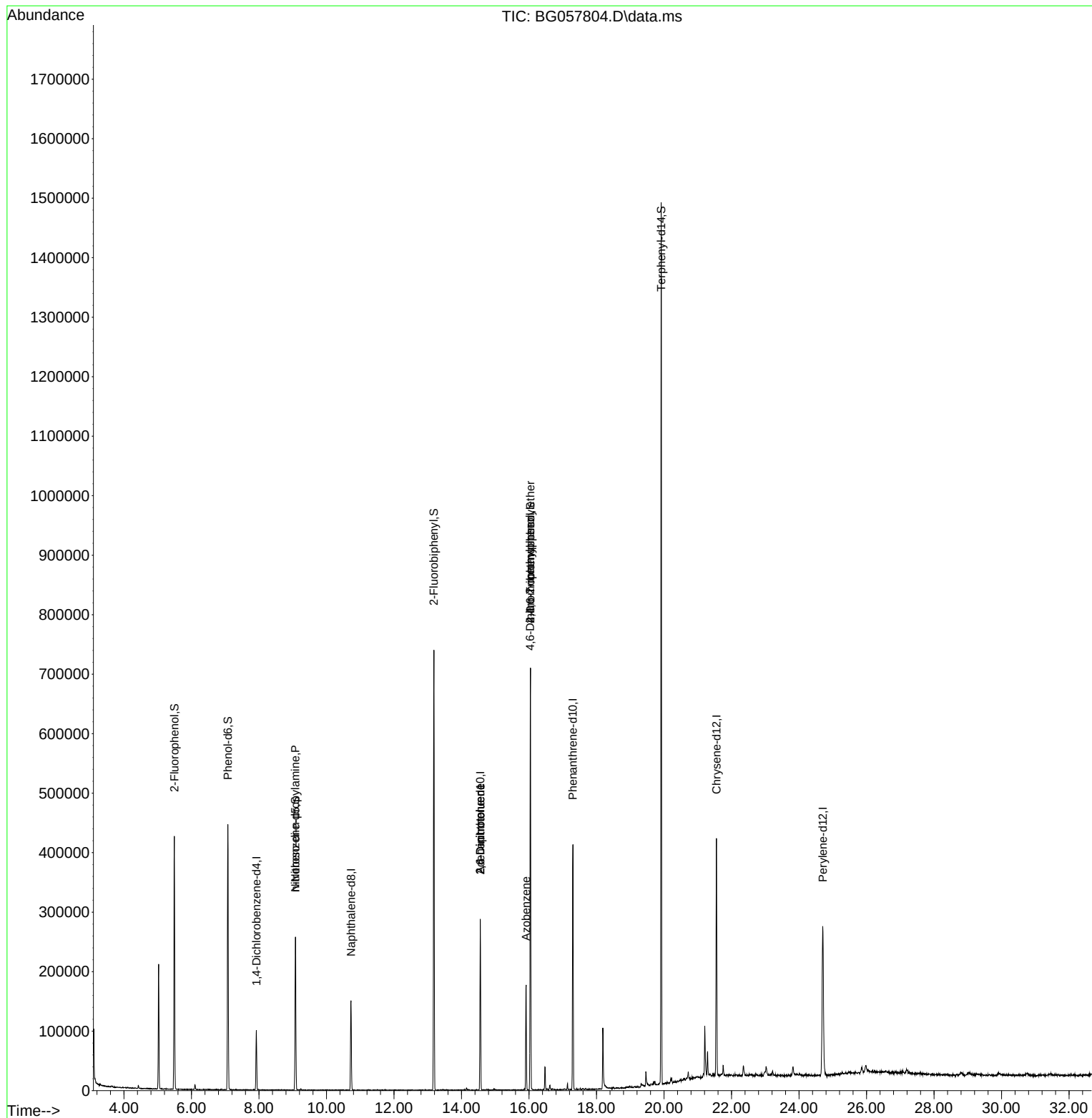
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.924	152	27528	20.000	ng	0.00
21) Naphthalene-d8	10.726	136	129729	20.000	ng	0.00
39) Acenaphthene-d10	14.557	164	97859	20.000	ng	0.00
64) Phenanthrene-d10	17.301	188	265479	20.000	ng	0.00
76) Chrysene-d12	21.555	240	230459	20.000	ng	0.00
86) Perylene-d12	24.704	264	275854	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.491	112	177851	99.618	ng	0.00
7) Phenol-d6	7.078	99	264596	97.130	ng	-0.01
23) Nitrobenzene-d5	9.081	82	153002	60.531	ng	-0.01
42) 2,4,6-Tribromophenol	16.044	330	142863	104.802	ng	0.00
45) 2-Fluorobiphenyl	13.182	172	387540	60.066	ng	0.00
79) Terphenyl-d14	19.916	244	763443	61.771	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.081	70	19085	10.049	ng	# 76
51) 2,6-Dinitrotoluene	14.557	165	13045	9.425	ng	# 18
57) 2,4-Dinitrotoluene	14.557	165	13045	6.950	ng	# 18
63) Azobenzene	15.915	77	51452	6.523	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.038	198	176	5.440	ng	# 1
67) 4-Bromophenyl-phenylether	16.044	248	9236	3.280	ng	# 1

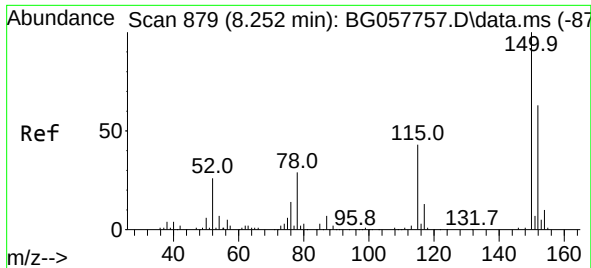
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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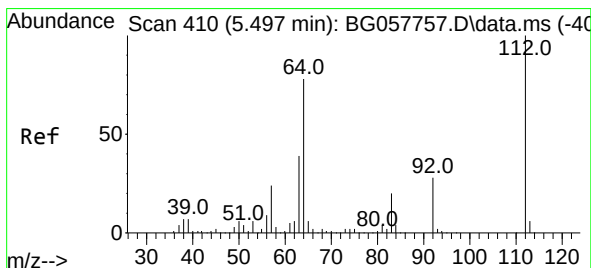
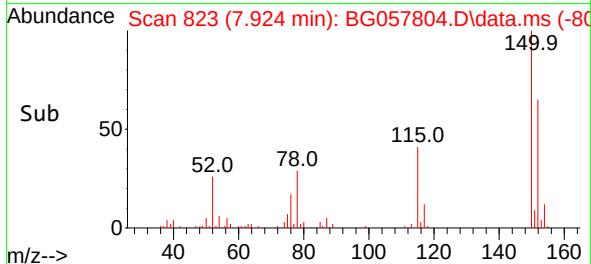
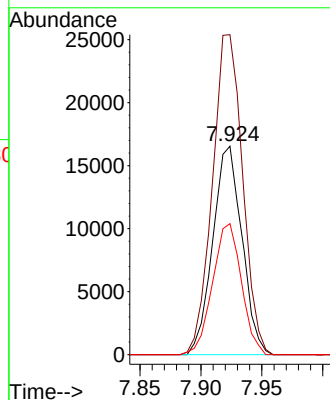
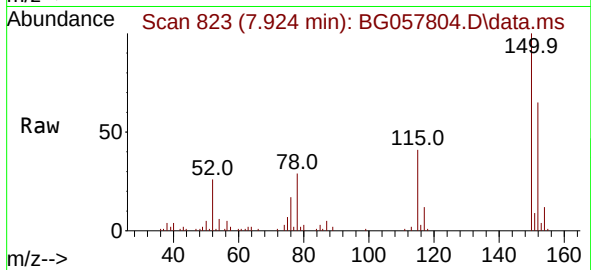




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.924 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG057804.D
Acq: 22 Jun 2023 10:59

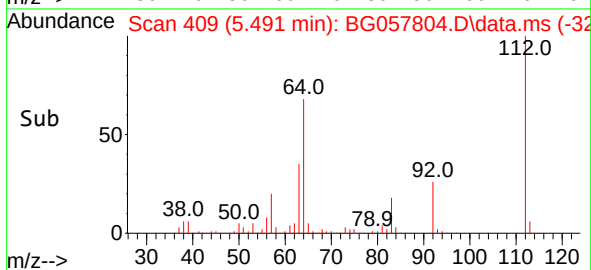
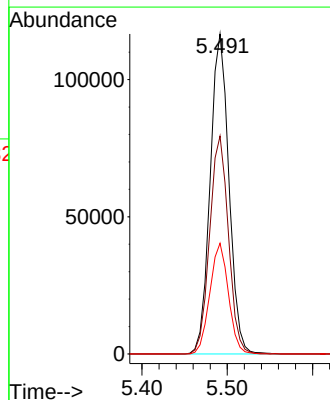
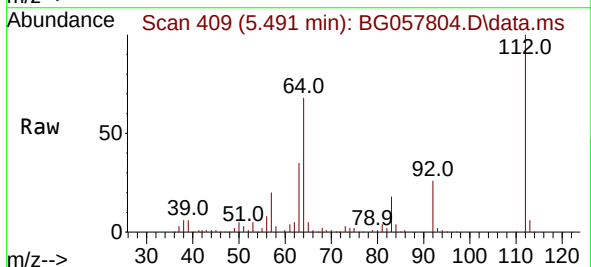
Instrument :
BNA_G
ClientSampleId :
WC-24

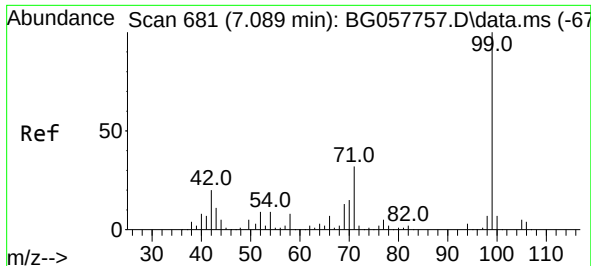
Tgt Ion:152 Resp: 27528
Ion Ratio Lower Upper
152 100
150 153.5 126.6 189.8
115 62.8 48.9 73.3



#5
2-Fluorophenol
Concen: 99.618 ng
RT: 5.491 min Scan# 409
Delta R.T. -0.006 min
Lab File: BG057804.D
Acq: 22 Jun 2023 10:59

Tgt Ion:112 Resp: 177851
Ion Ratio Lower Upper
112 100
64 68.1 62.1 93.1
63 34.6 31.5 47.3

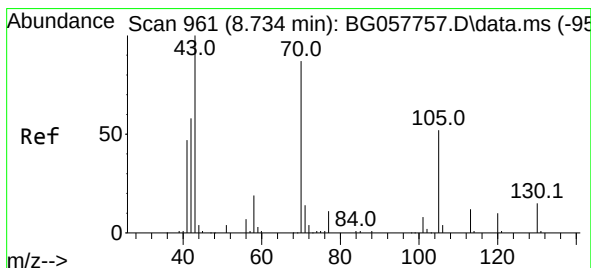
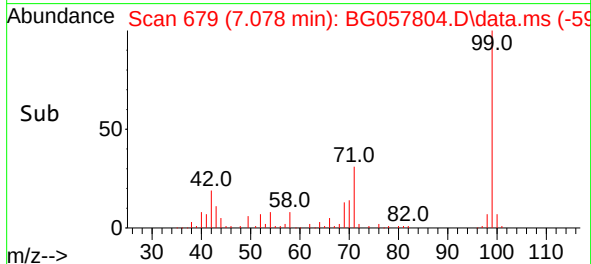
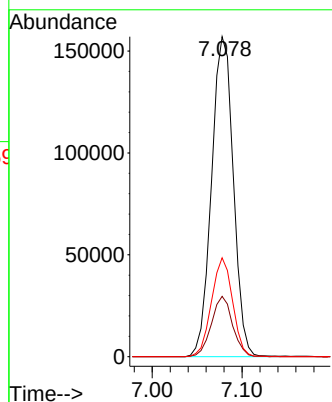
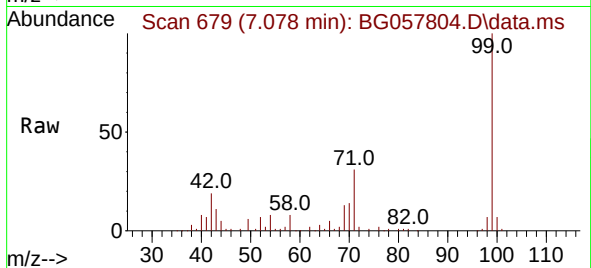




#7
Phenol-d6
Concen: 97.130 ng
RT: 7.078 min Scan# 61
Delta R.T. -0.011 min
Lab File: BG057804.D
Acq: 22 Jun 2023 10:59

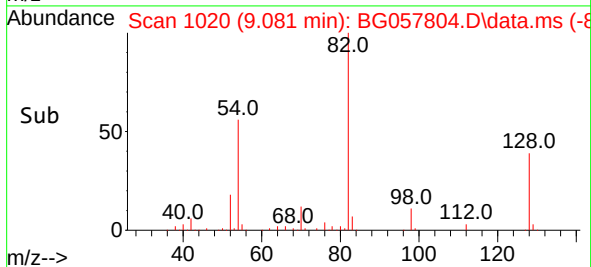
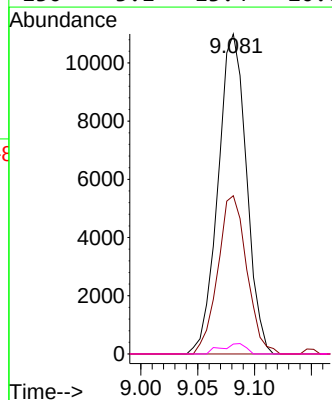
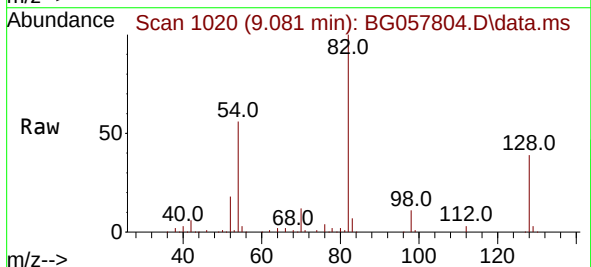
Instrument :
BNA_G
ClientSampleId :
WC-24

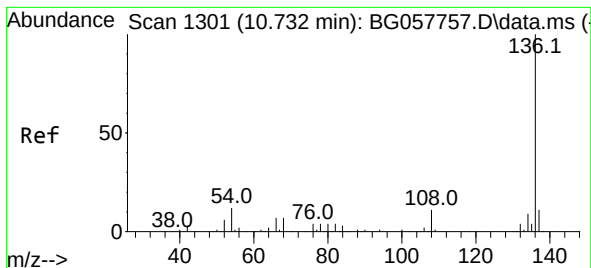
Tgt Ion: 99 Resp: 264596
Ion Ratio Lower Upper
99 100
42 18.9 16.4 24.6
71 30.9 25.8 38.6



#19
n-Nitroso-di-n-propylamine
Concen: 10.049 ng
RT: 9.081 min Scan# 1020
Delta R.T. 0.347 min
Lab File: BG057804.D
Acq: 22 Jun 2023 10:59

Tgt Ion: 70 Resp: 19085
Ion Ratio Lower Upper
70 100
42 49.5 54.2 81.2#
101 0.0 7.4 11.0#
130 3.1 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.726 min Scan# 11

Delta R.T. -0.005 min

Lab File: BG057804.D

Acq: 22 Jun 2023 10:59

Instrument :

BNA_G

ClientSampleId :

WC-24

Tgt Ion:136 Resp: 129729

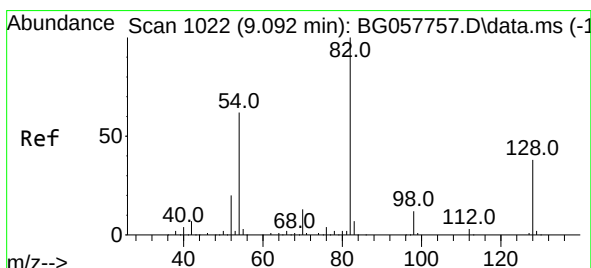
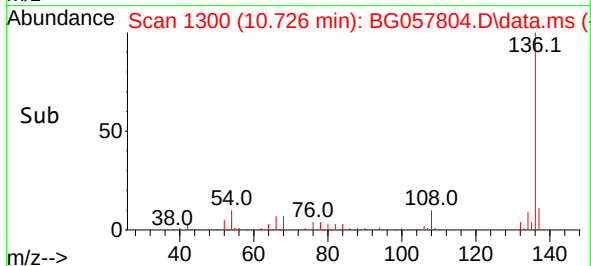
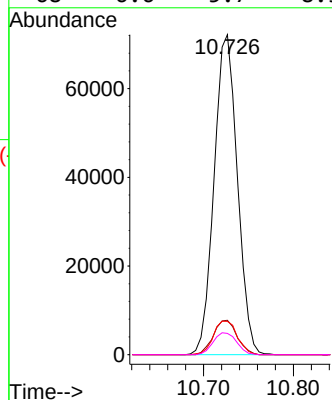
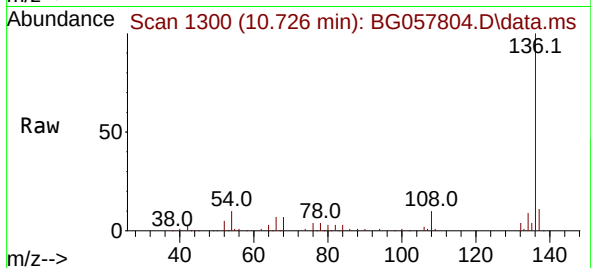
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 10.4 9.5 14.3

68 6.6 5.7 8.5



#23

Nitrobenzene-d5

Concen: 60.531 ng

RT: 9.081 min Scan# 1020

Delta R.T. -0.011 min

Lab File: BG057804.D

Acq: 22 Jun 2023 10:59

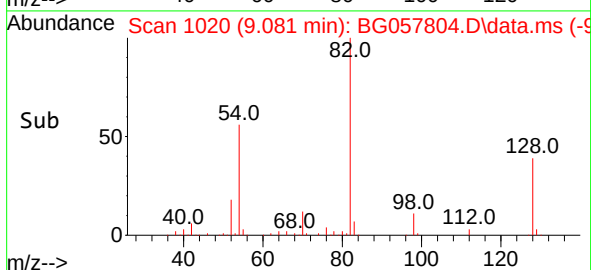
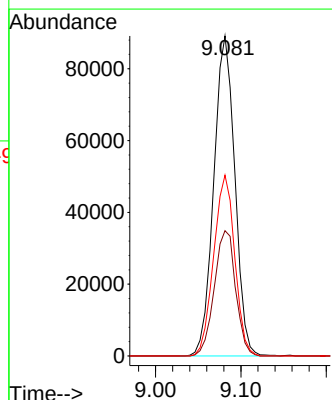
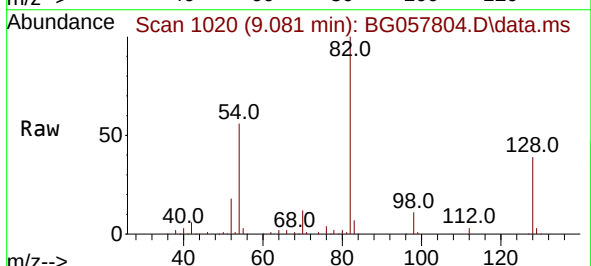
Tgt Ion: 82 Resp: 153002

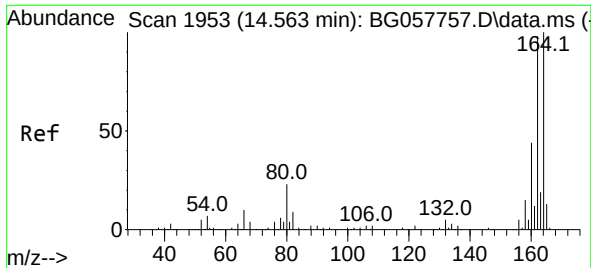
Ion Ratio Lower Upper

82 100

128 39.1 30.7 46.1

54 56.5 49.6 74.4

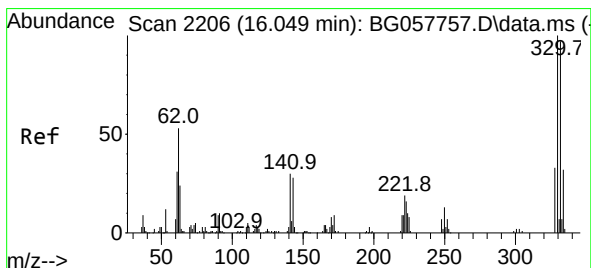
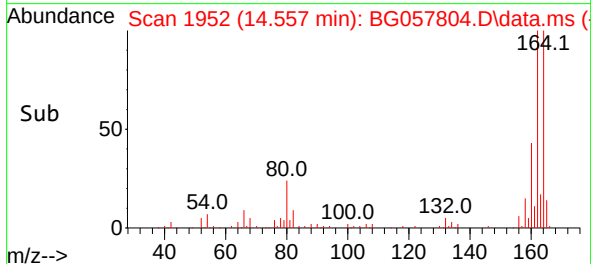
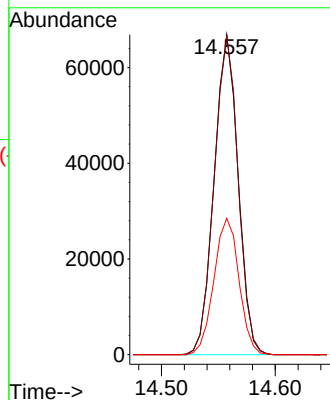
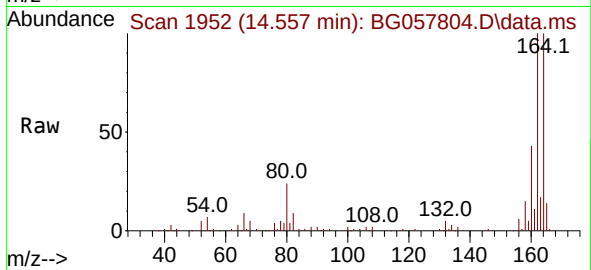




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.557 min Scan# 1952
 Delta R.T. -0.005 min
 Lab File: BG057804.D
 Acq: 22 Jun 2023 10:59

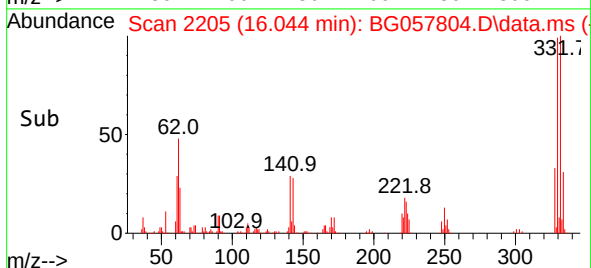
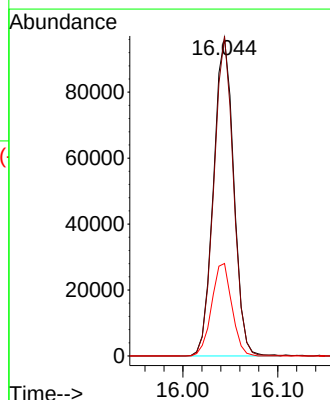
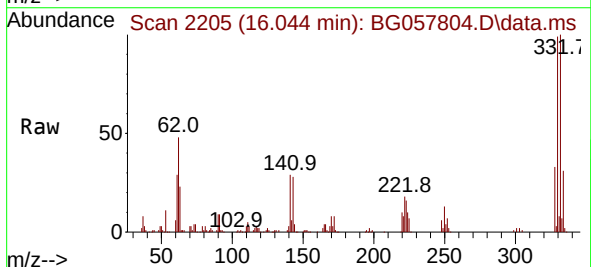
Instrument :
 BNA_G
 ClientSampleId :
 WC-24

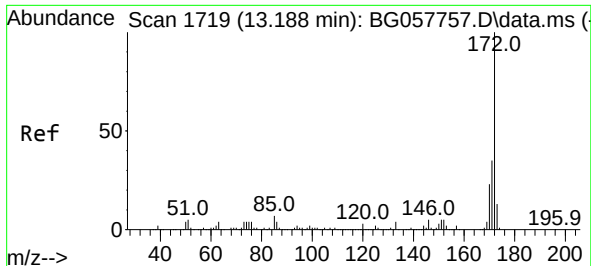
Tgt Ion:164 Resp: 97859
 Ion Ratio Lower Upper
 164 100
 162 99.6 78.3 117.5
 160 42.6 35.4 53.0



#42
 2,4,6-Tribromophenol
 Concen: 104.802 ng
 RT: 16.044 min Scan# 2205
 Delta R.T. -0.005 min
 Lab File: BG057804.D
 Acq: 22 Jun 2023 10:59

Tgt Ion:330 Resp: 142863
 Ion Ratio Lower Upper
 330 100
 332 97.3 76.6 115.0
 141 29.1 24.7 37.1

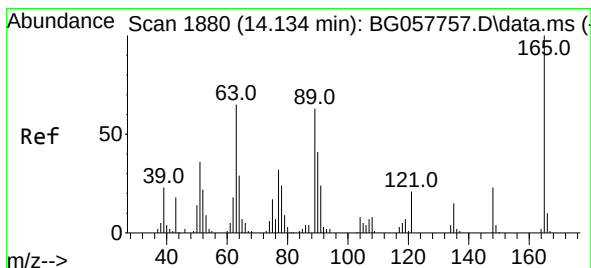
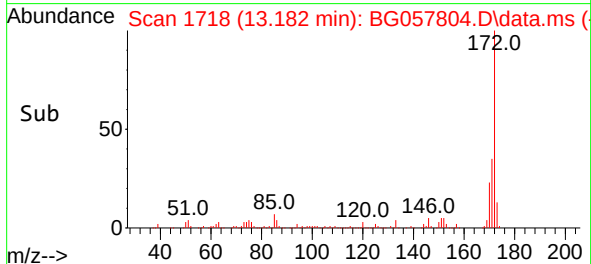
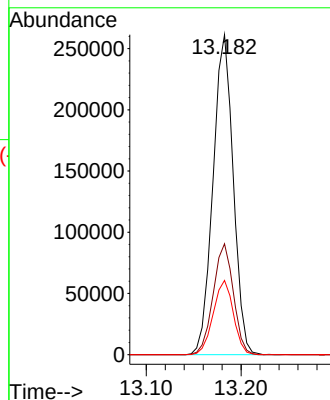
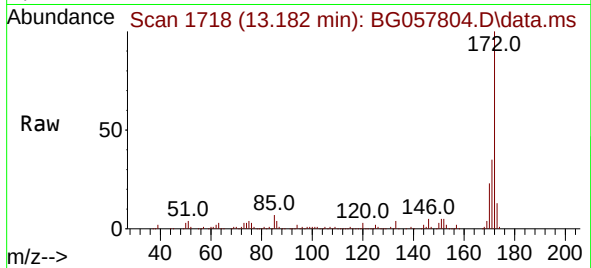




#45
2-Fluorobiphenyl
Concen: 60.066 ng
RT: 13.182 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG057804.D
Acq: 22 Jun 2023 10:59

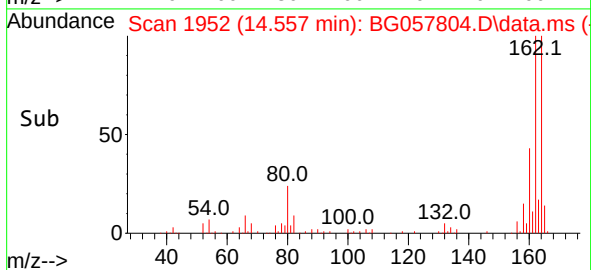
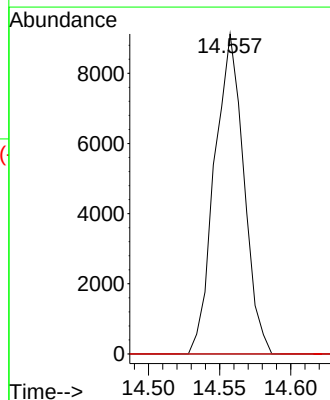
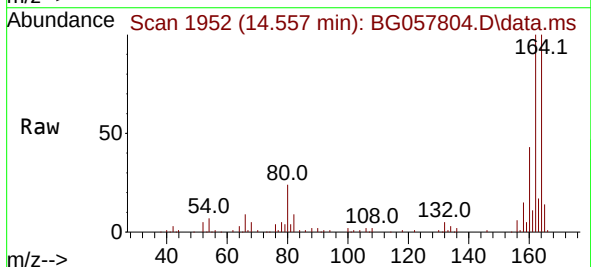
Instrument :
BNA_G
ClientSampleId :
WC-24

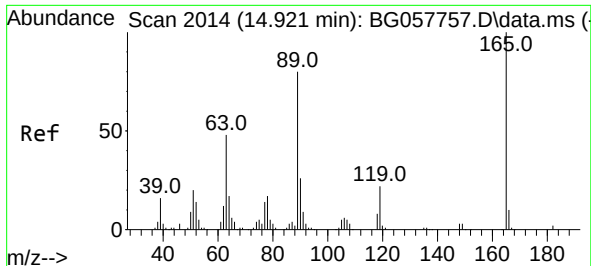
Tgt Ion:172 Resp: 387540
Ion Ratio Lower Upper
172 100
171 34.7 28.1 42.1
170 23.2 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 9.425 ng
RT: 14.557 min Scan# 1952
Delta R.T. 0.423 min
Lab File: BG057804.D
Acq: 22 Jun 2023 10:59

Tgt Ion:165 Resp: 13045
Ion Ratio Lower Upper
165 100
63 0.0 52.8 79.2#
89 0.0 50.7 76.1#





#57

2,4-Dinitrotoluene

Concen: 6.950 ng

RT: 14.557 min Scan# 1952

Delta R.T. -0.364 min

Lab File: BG057804.D

Acq: 22 Jun 2023 10:59

Instrument :

BNA_G

ClientSampleId :

WC-24

Tgt Ion:165 Resp: 13045

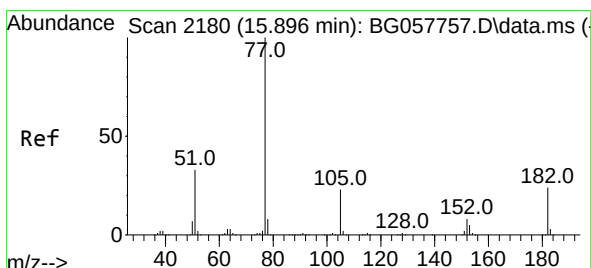
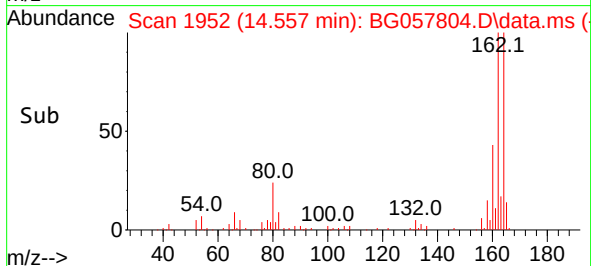
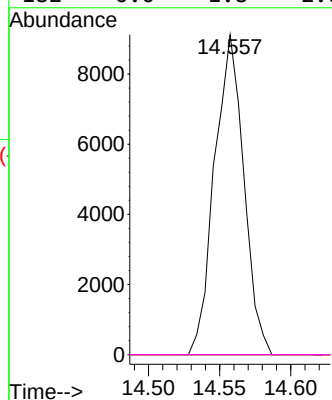
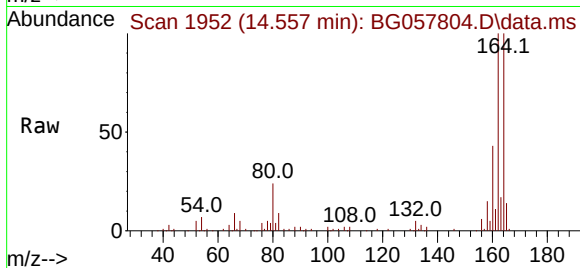
Ion Ratio Lower Upper

165 100

63 0.0 38.6 58.0#

89 0.0 63.7 95.5#

182 0.0 1.8 2.6#



#63

Azobenzene

Concen: 6.523 ng

RT: 15.915 min Scan# 2183

Delta R.T. 0.018 min

Lab File: BG057804.D

Acq: 22 Jun 2023 10:59

Tgt Ion: 77 Resp: 51452

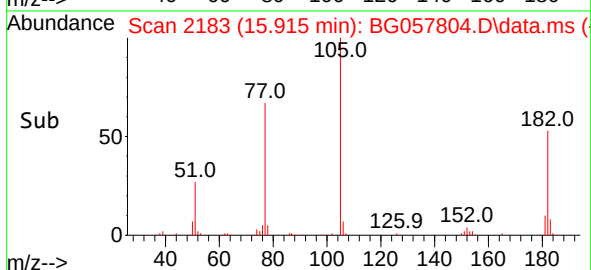
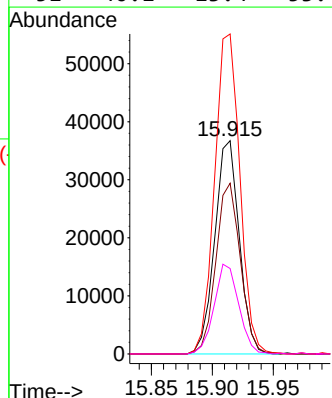
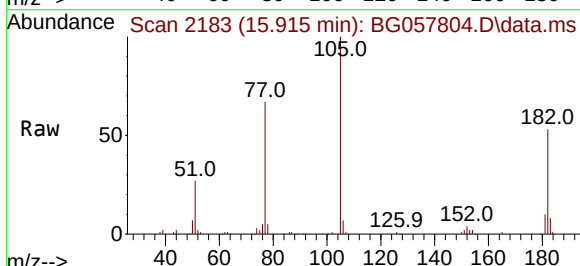
Ion Ratio Lower Upper

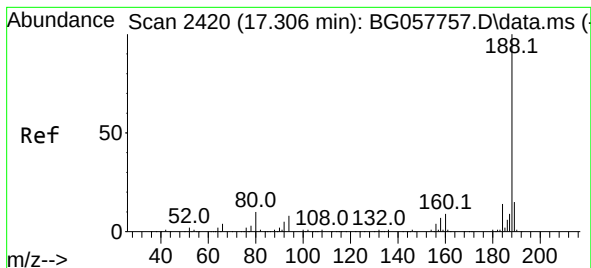
77 100

182 80.1 4.1 44.1#

105 150.1 3.3 43.3#

51 40.1 13.4 53.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.301 min Scan# 24

Delta R.T. -0.005 min

Lab File: BG057804.D

Acq: 22 Jun 2023 10:59

Instrument :

BNA_G

ClientSampleId :

WC-24

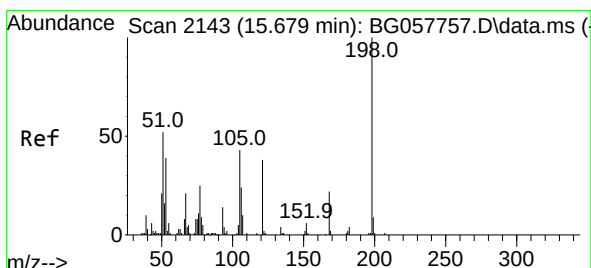
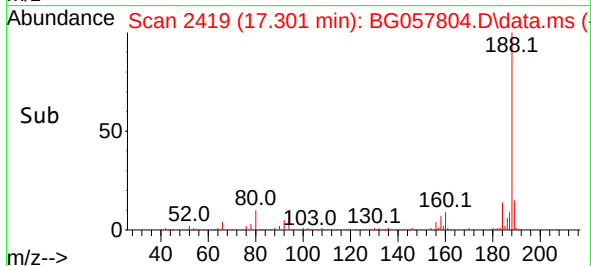
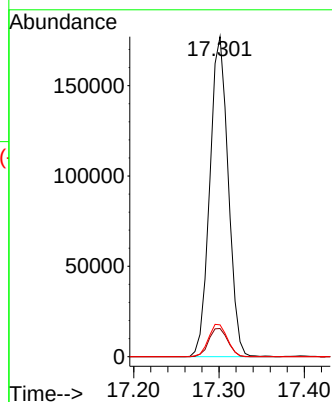
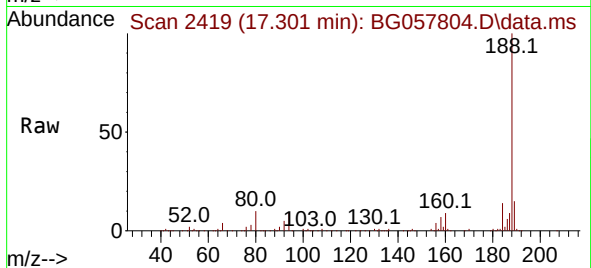
Tgt Ion:188 Resp: 265479

Ion Ratio Lower Upper

188 100

94 8.8 6.6 9.8

80 10.0 7.6 11.4



#65

4,6-Dinitro-2-methylphenol

Concen: 5.440 ng

RT: 16.038 min Scan# 2204

Delta R.T. 0.359 min

Lab File: BG057804.D

Acq: 22 Jun 2023 10:59

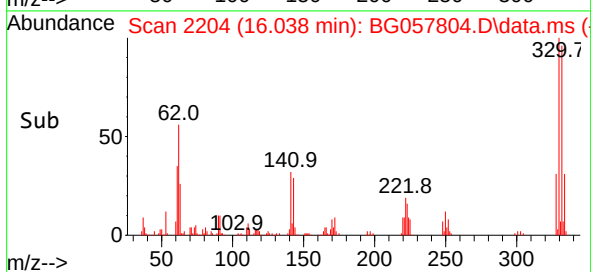
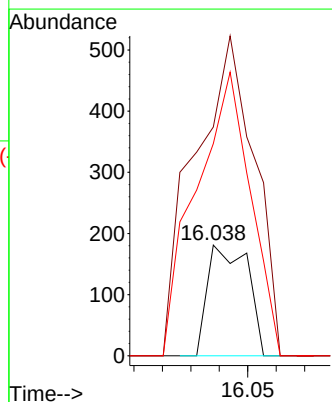
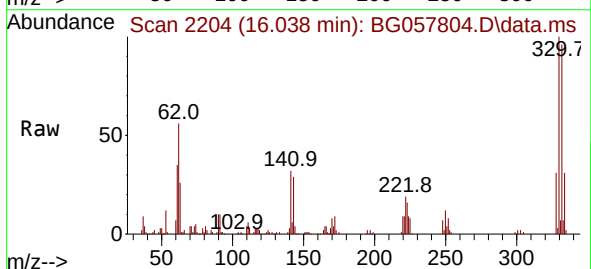
Tgt Ion:198 Resp: 176

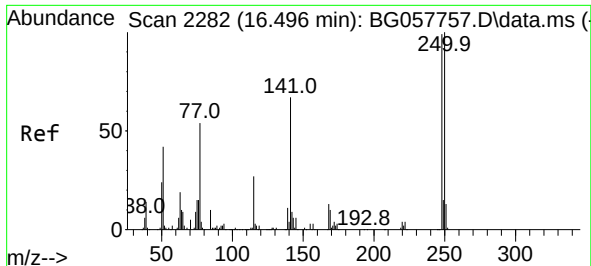
Ion Ratio Lower Upper

198 100

51 206.6 36.6 76.6#

105 191.7 24.3 64.3#

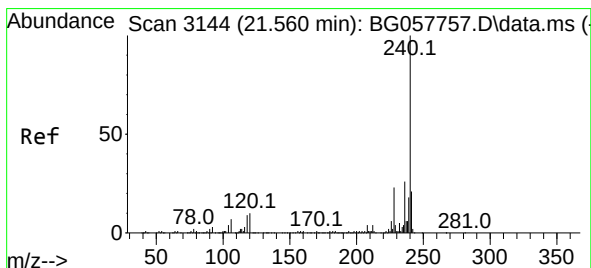
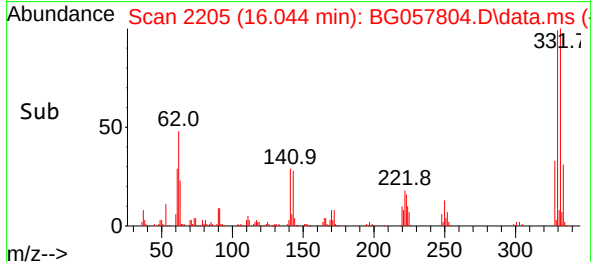
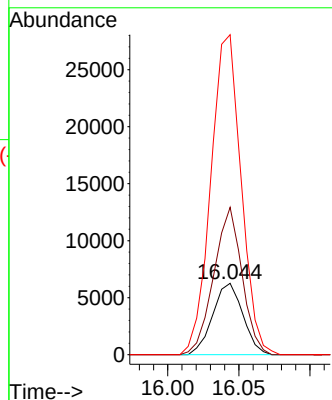
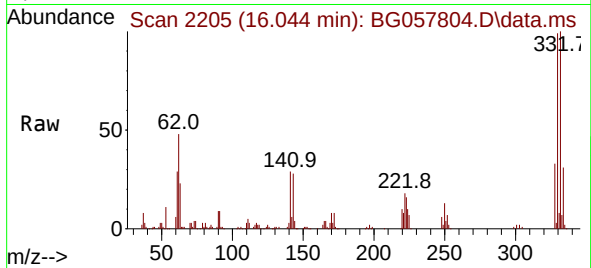




#67
4-Bromophenyl-phenylether
Concen: 3.280 ng
RT: 16.044 min Scan# 21
Delta R.T. -0.452 min
Lab File: BG057804.D
Acq: 22 Jun 2023 10:59

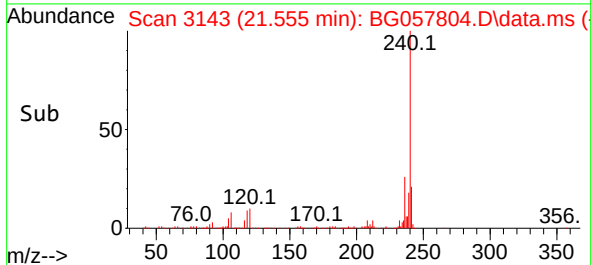
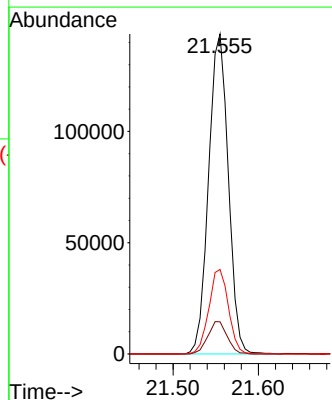
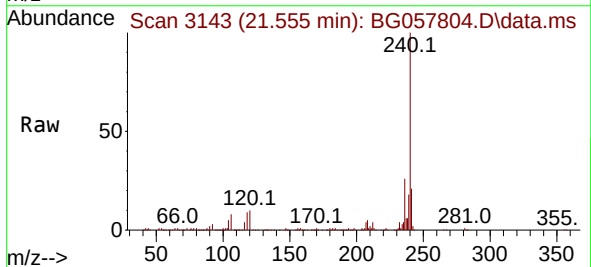
Instrument :
BNA_G
ClientSampleId :
WC-24

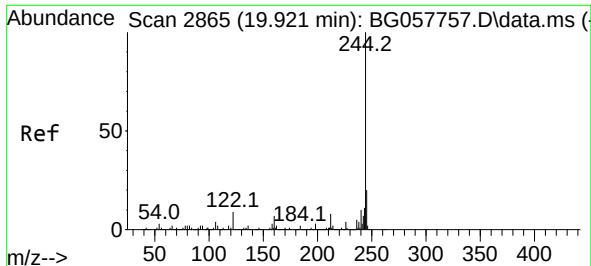
Tgt Ion:248 Resp: 9236
Ion Ratio Lower Upper
248 100
250 206.7 81.1 121.7#
141 448.6 54.6 81.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.555 min Scan# 3143
Delta R.T. -0.005 min
Lab File: BG057804.D
Acq: 22 Jun 2023 10:59

Tgt Ion:240 Resp: 230459
Ion Ratio Lower Upper
240 100
120 10.0 8.1 12.1
236 26.4 20.6 30.8

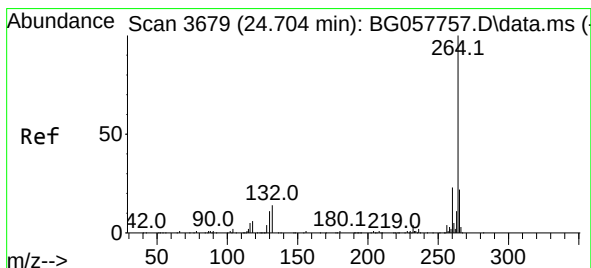
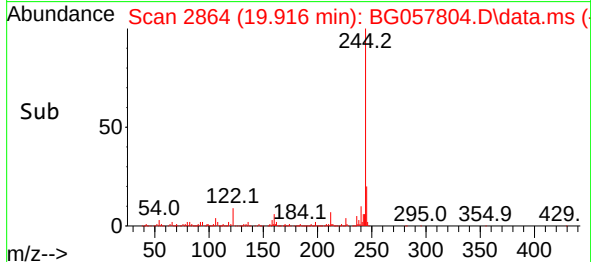
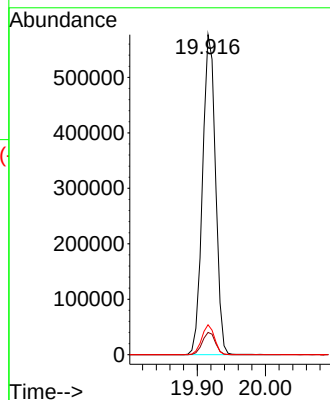
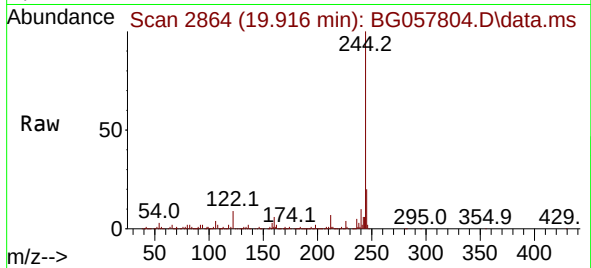




#79
 Terphenyl-d14
 Concen: 61.771 ng
 RT: 19.916 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG057804.D
 Acq: 22 Jun 2023 10:59

Instrument :
 BNA_G
 ClientSampleId :
 WC-24

Tgt Ion:244 Resp: 763443
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.1 9.1
 122 9.4 7.6 11.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.704 min Scan# 3679
 Delta R.T. 0.001 min
 Lab File: BG057804.D
 Acq: 22 Jun 2023 10:59

Tgt Ion:264 Resp: 275854
 Ion Ratio Lower Upper
 264 100
 260 22.9 18.5 27.7
 265 21.9 17.4 26.2

