

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111523\
 Data File : BG059707.D
 Acq On : 15 Nov 2023 19:46
 Operator : MA/JU
 Sample : 05257-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-2RE

Quant Time: Nov 16 02:51:54 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 15 08:14:53 2023
 Response via : Initial Calibration

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

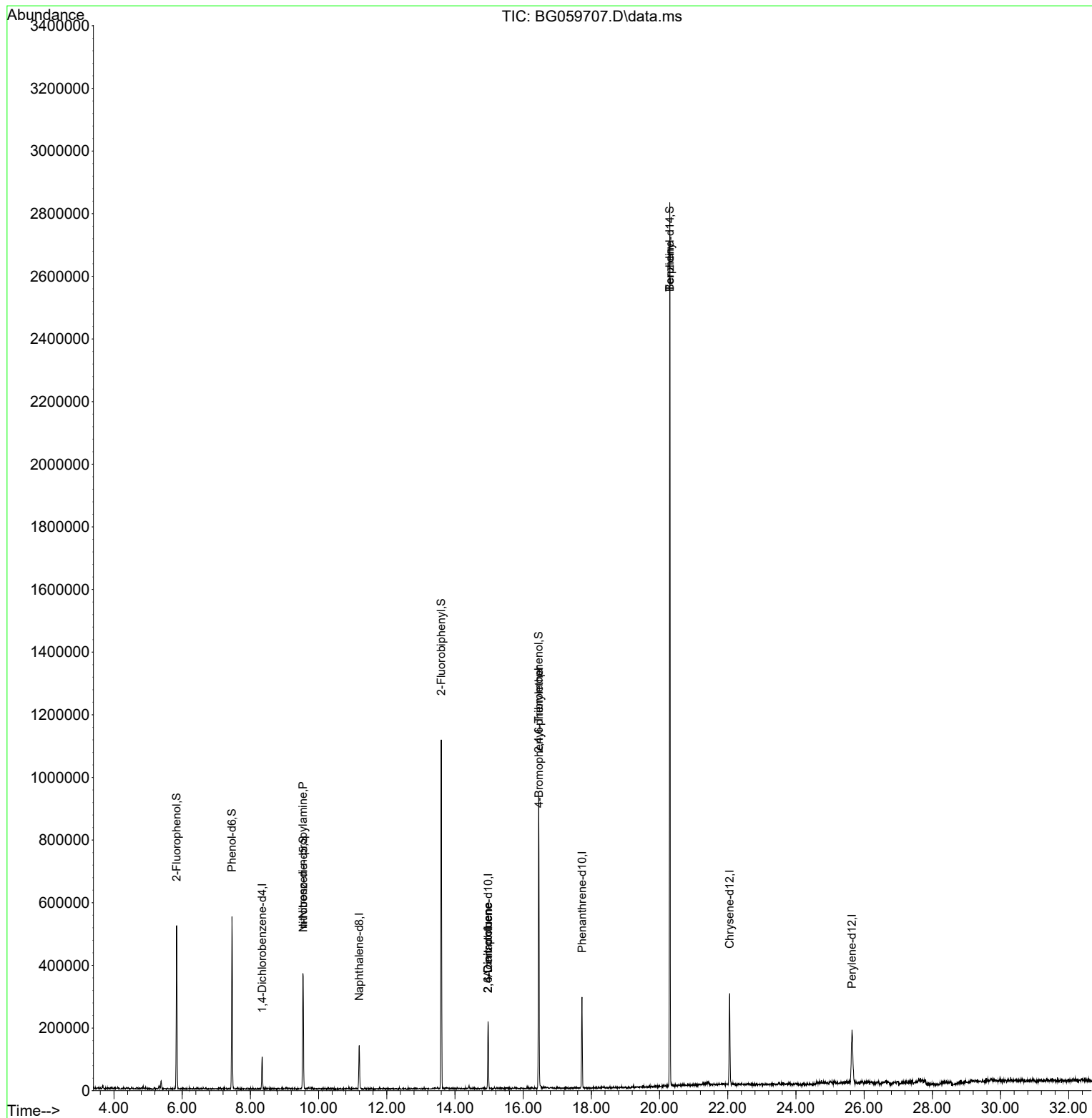
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.349	152	21067	20.000	ng	0.00
21) Naphthalene-d8	11.193	136	95182	20.000	ng	0.00
39) Acenaphthene-d10	14.971	164	68093	20.000	ng	0.00
64) Phenanthrene-d10	17.727	188	162155	20.000	ng	# 0.00
76) Chrysene-d12	22.057	240	171197	20.000	ng	0.00
86) Perylene-d12	25.641	264	212112	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.835	112	187107	153.332	ng	0.00
7) Phenol-d6	7.462	99	245889	133.337	ng	0.00
23) Nitrobenzene-d5	9.548	82	236515	106.823	ng	0.00
42) 2,4,6-Tribromophenol	16.458	330	130959	170.416	ng	0.00
45) 2-Fluorobiphenyl	13.596	172	468633	92.788	ng	0.00
79) Terphenyl-d14	20.300	244	1170884	141.111	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.684	88	60	Below Cal	#	1
3) Pyridine	4.166	79	69	Below Cal	#	44
19) n-Nitroso-di-n-propyla...	9.542	70	37900	26.679	ng	# 81
51) 2,6-Dinitrotoluene	14.965	165	9078	9.069	ng	# 1
57) 2,4-Dinitrotoluene	14.965	165	9078	6.169	ng	# 6
67) 4-Bromophenyl-phenylether	16.463	248	8760	5.135	ng	# 1
77) Benzidine	20.300	184	34793	12.028	ng	# 85
78) Pyrene	20.306	202	5794	Below Cal	#	39

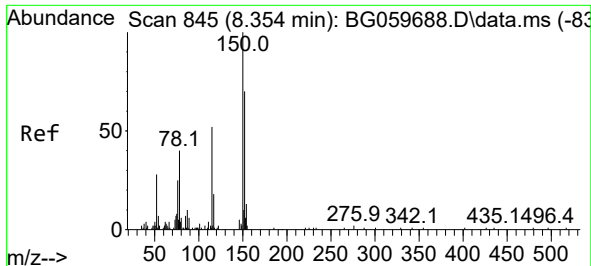
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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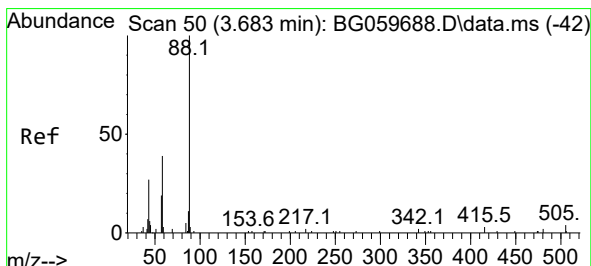
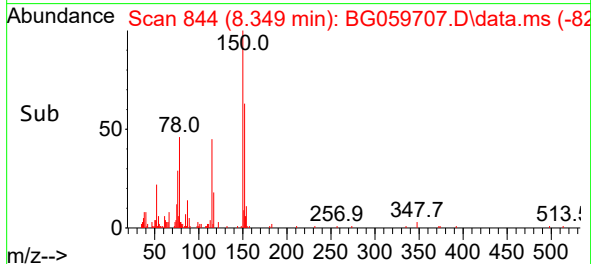
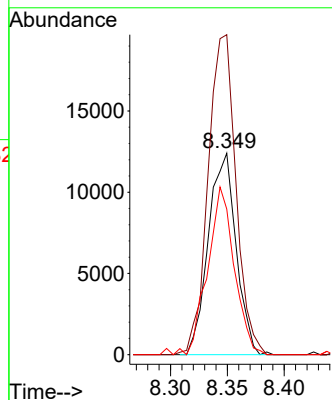
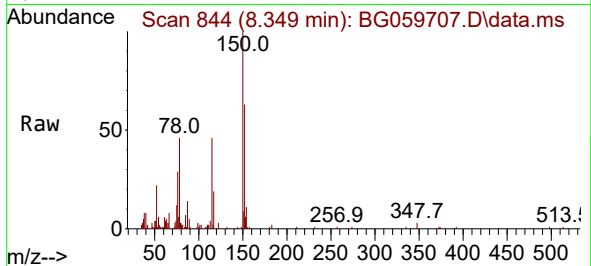




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.349 min Scan# 84
Delta R.T. -0.005 min
Lab File: BG059707.D
Acq: 15 Nov 2023 19:46

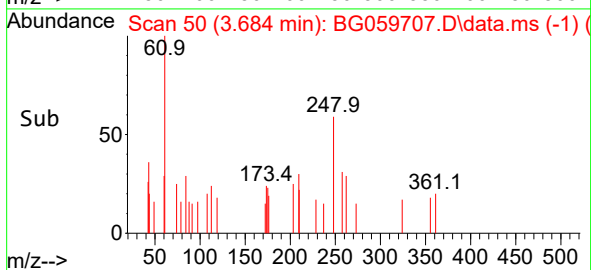
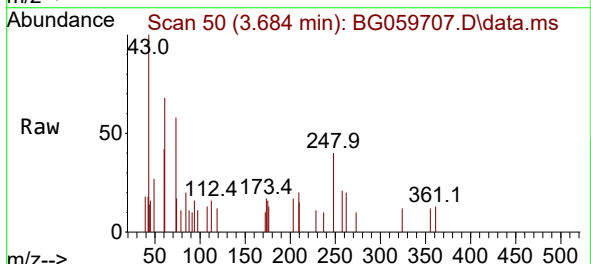
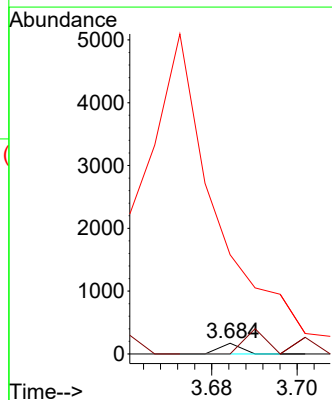
Instrument :
BNA_G
ClientSampleId :
WC-2RE

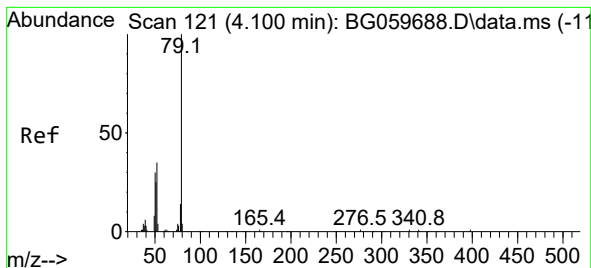
Tgt Ion:152 Resp: 21067
Ion Ratio Lower Upper
152 100
150 158.9 113.9 170.9
115 72.3 59.4 89.2



#2
1,4-Dioxane
Concen: Below Cal
RT: 3.684 min Scan# 50
Delta R.T. 0.001 min
Lab File: BG059707.D
Acq: 15 Nov 2023 19:46

Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
58 393.3 30.5 45.7#
43 10246.7 17.7 26.5#





#3

Pyridine

Concen: Below Cal

RT: 4.166 min Scan# 11

Delta R.T. 0.066 min

Lab File: BG059707.D

Acq: 15 Nov 2023 19:46

Instrument :

BNA_G

ClientSampleId :

WC-2RE

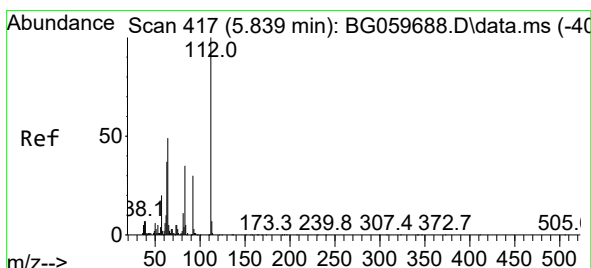
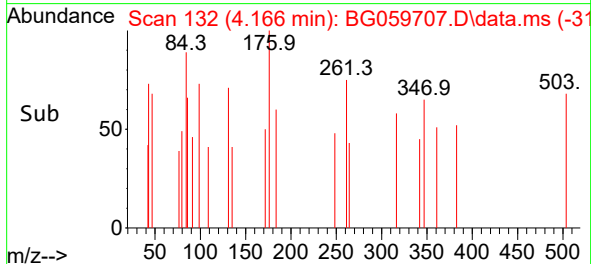
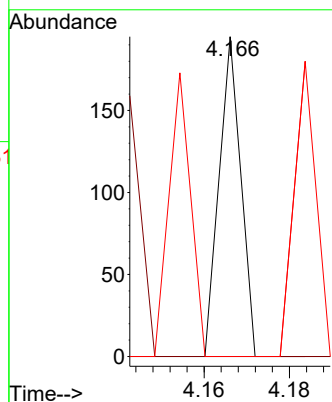
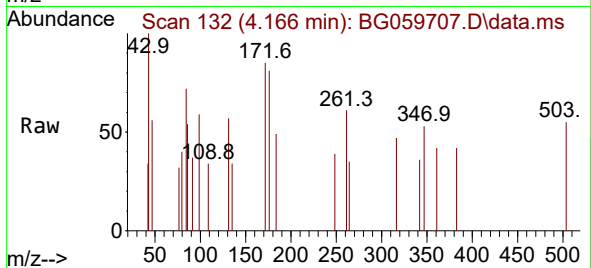
Tgt Ion: 79 Resp: 69

Ion Ratio Lower Upper

79 100

52 0.0 27.8 41.8#

51 0.0 20.2 30.2#



#5

2-Fluorophenol

Concen: 153.332 ng

RT: 5.835 min Scan# 416

Delta R.T. -0.005 min

Lab File: BG059707.D

Acq: 15 Nov 2023 19:46

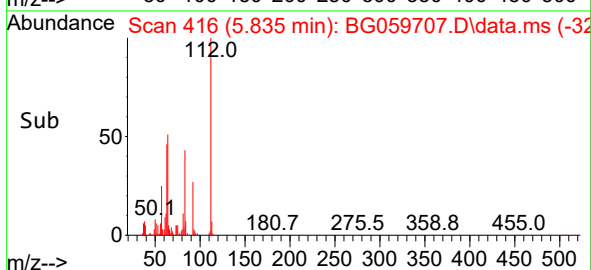
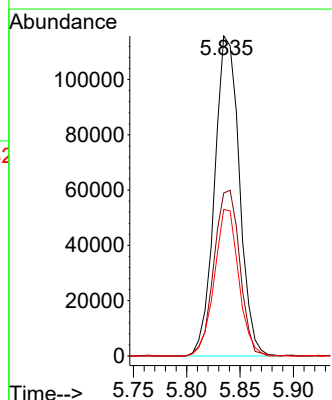
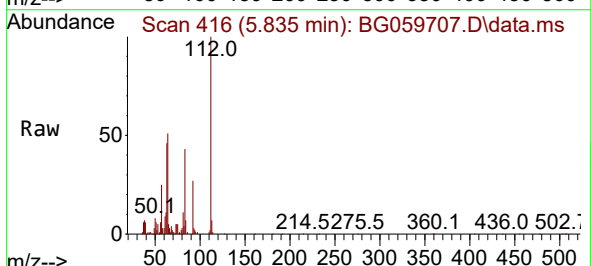
Tgt Ion: 112 Resp: 187107

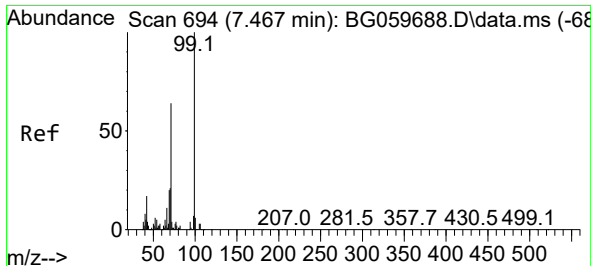
Ion Ratio Lower Upper

112 100

64 50.9 39.0 58.6

63 45.8 29.8 44.6#

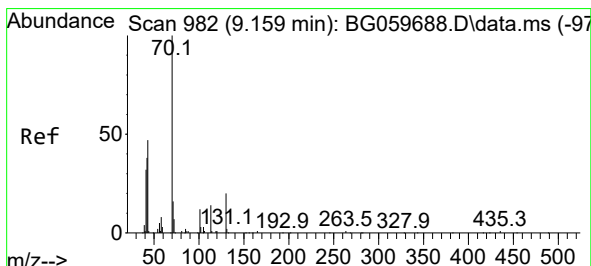
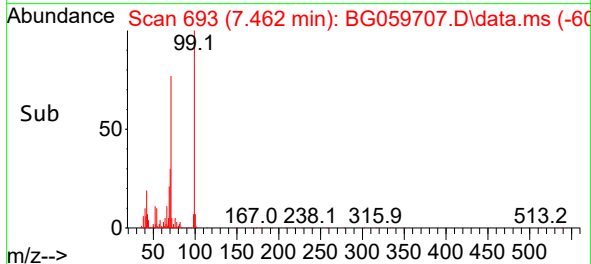
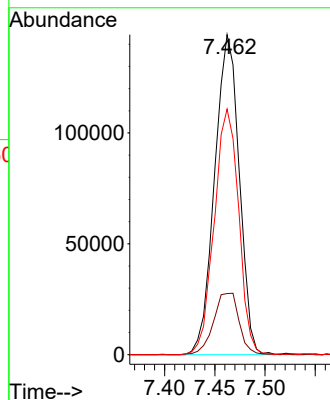
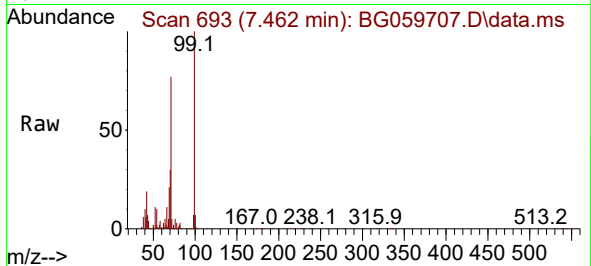




#7
Phenol-d6
Concen: 133.337 ng
RT: 7.462 min Scan# 694
Delta R.T. -0.005 min
Lab File: BG059707.D
Acq: 15 Nov 2023 19:46

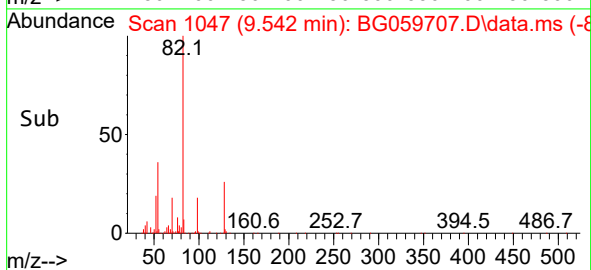
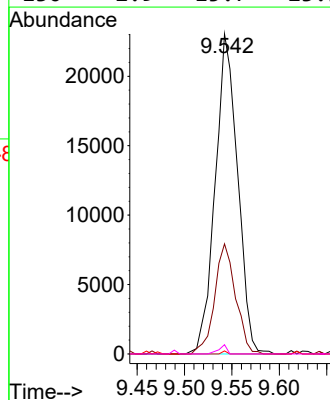
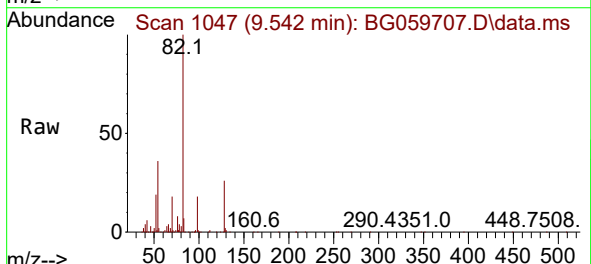
Instrument :
BNA_G
ClientSampleId :
WC-2RE

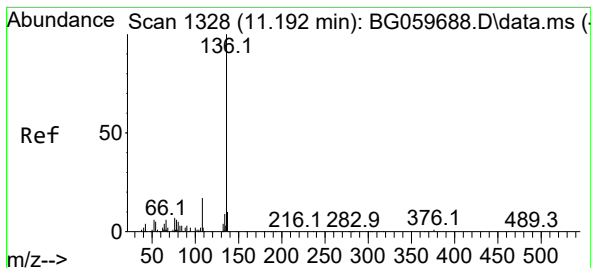
Tgt Ion: 99 Resp: 245889
Ion Ratio Lower Upper
99 100
42 19.1 13.2 19.8
71 76.8 51.3 76.9



#19
n-Nitroso-di-n-propylamine
Concen: 26.679 ng
RT: 9.542 min Scan# 1047
Delta R.T. 0.383 min
Lab File: BG059707.D
Acq: 15 Nov 2023 19:46

Tgt Ion: 70 Resp: 37900
Ion Ratio Lower Upper
70 100
42 34.4 30.8 46.2
101 1.0 9.4 14.2#
130 2.9 15.7 23.5#

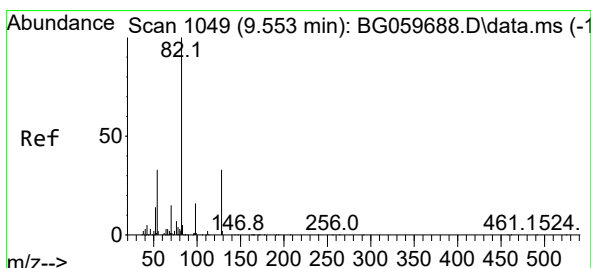
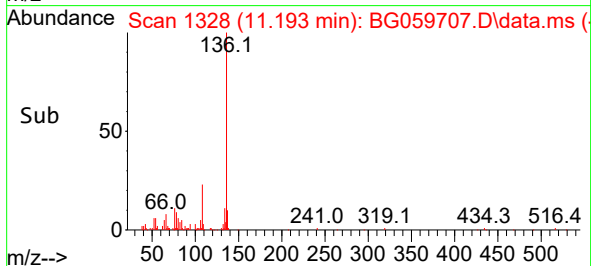
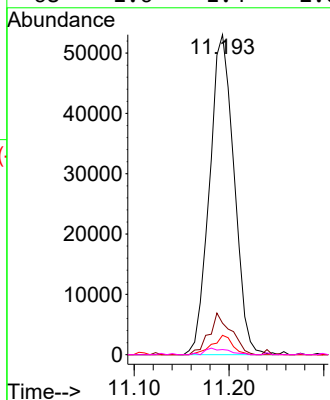
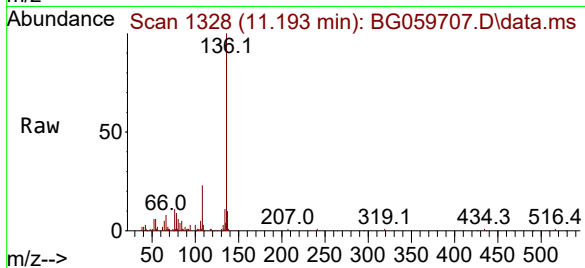




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.193 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG059707.D
Acq: 15 Nov 2023 19:46

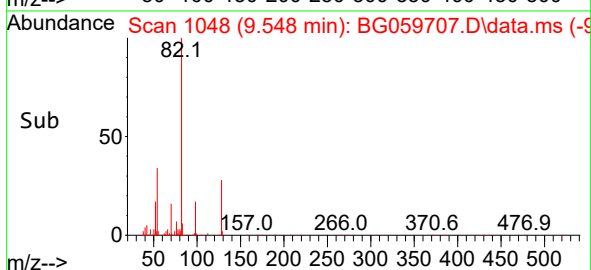
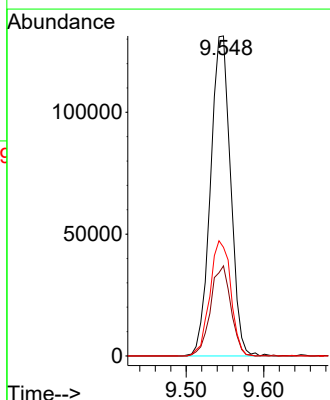
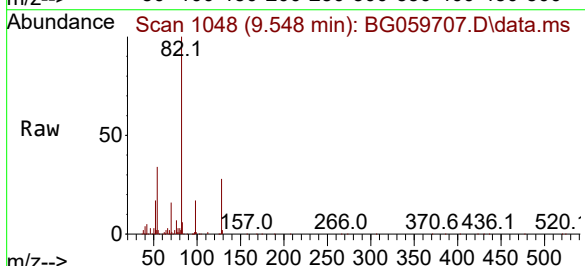
Instrument :
BNA_G
ClientSampleId :
WC-2RE

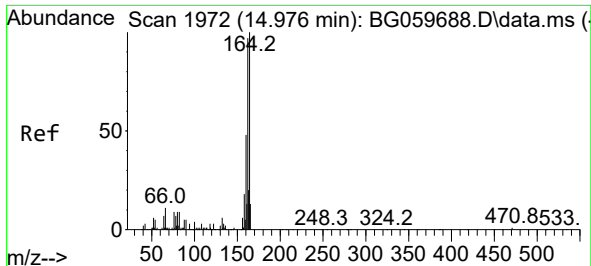
Tgt Ion:	136	Resp:	95182
Ion Ratio	Lower	Upper	
136	100		
137	9.8	7.7	11.5
54	6.1	4.2	6.2
68	1.6	1.4	2.0



#23
Nitrobenzene-d5
Concen: 106.823 ng
RT: 9.548 min Scan# 1048
Delta R.T. -0.005 min
Lab File: BG059707.D
Acq: 15 Nov 2023 19:46

Tgt Ion:	82	Resp:	236515
Ion Ratio	Lower	Upper	
82	100		
128	28.2	26.3	39.5
54	33.9	26.6	39.8

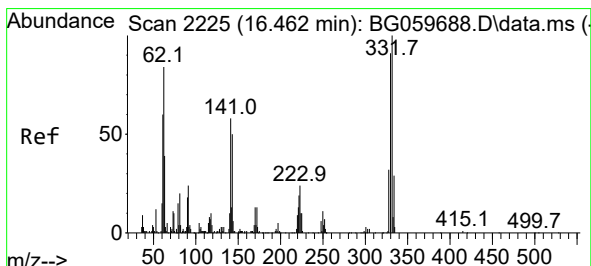
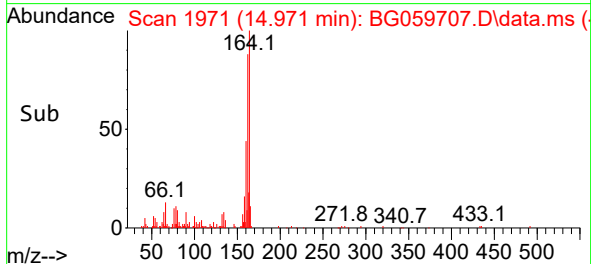
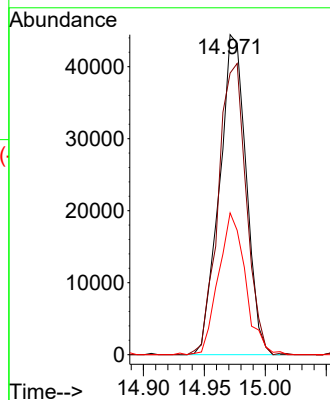
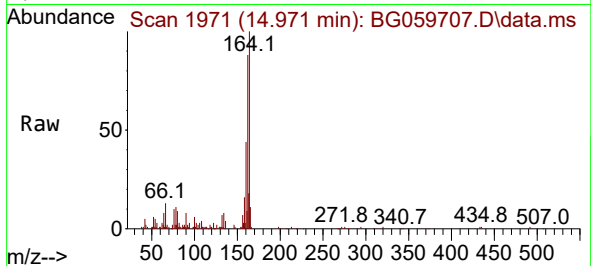




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.971 min Scan# 1971
Delta R.T. -0.005 min
Lab File: BG059707.D
Acq: 15 Nov 2023 19:46

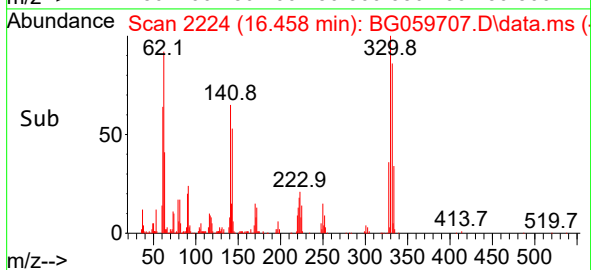
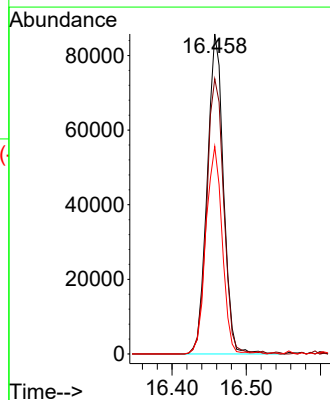
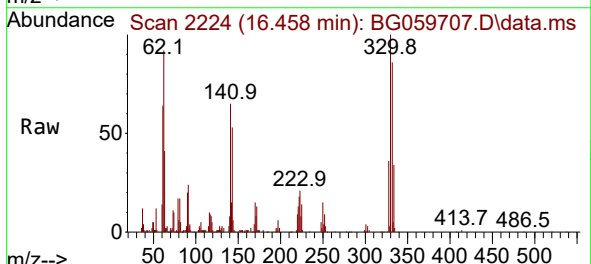
Instrument :
BNA_G
ClientSampleId :
WC-2RE

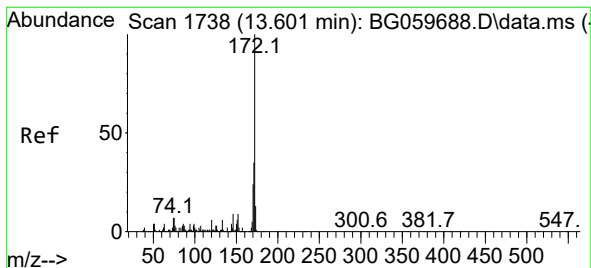
Tgt Ion:164 Resp: 68093
Ion Ratio Lower Upper
164 100
162 88.0 77.8 116.6
160 44.3 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 170.416 ng
RT: 16.458 min Scan# 2224
Delta R.T. -0.005 min
Lab File: BG059707.D
Acq: 15 Nov 2023 19:46

Tgt Ion:330 Resp: 130959
Ion Ratio Lower Upper
330 100
332 90.3 80.7 121.1
141 64.9 51.0 76.6





#45

2-Fluorobiphenyl

Concen: 92.788 ng

RT: 13.596 min Scan# 1

Delta R.T. -0.005 min

Lab File: BG059707.D

Acq: 15 Nov 2023 19:46

Instrument :

BNA_G

ClientSampleId :

WC-2RE

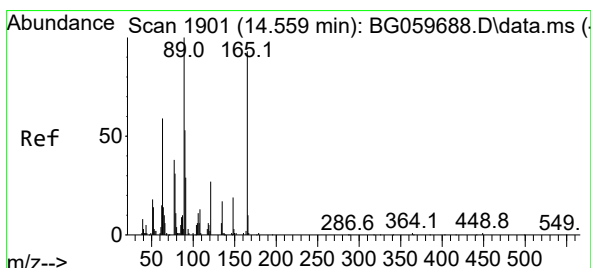
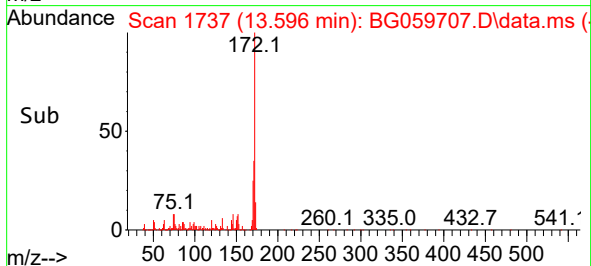
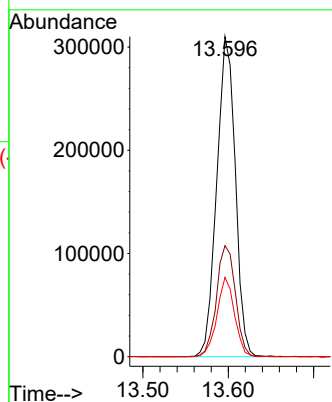
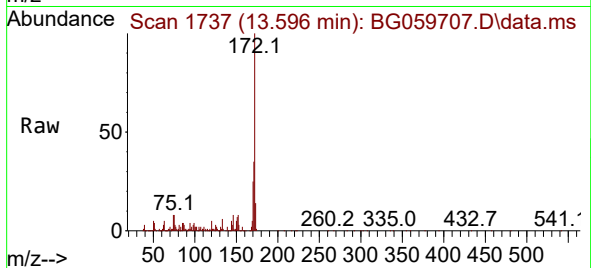
Tgt Ion:172 Resp: 468633

Ion Ratio Lower Upper

172 100

171 34.7 27.9 41.9

170 24.8 19.0 28.4



#51

2,6-Dinitrotoluene

Concen: 9.069 ng

RT: 14.965 min Scan# 1970

Delta R.T. 0.407 min

Lab File: BG059707.D

Acq: 15 Nov 2023 19:46

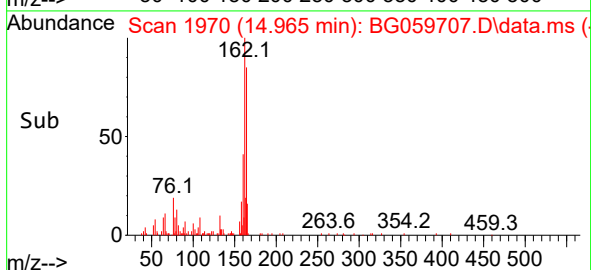
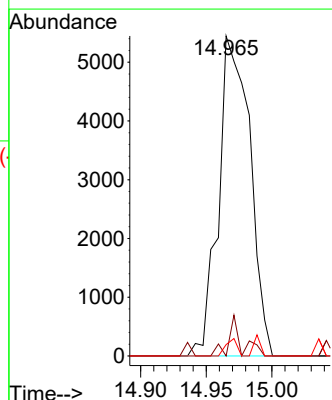
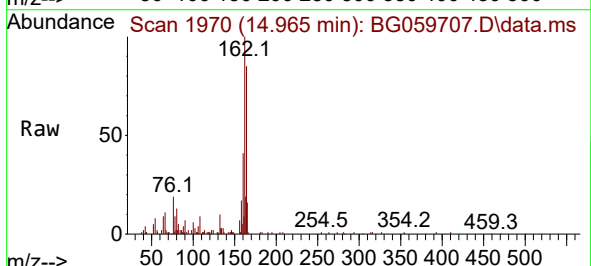
Tgt Ion:165 Resp: 9078

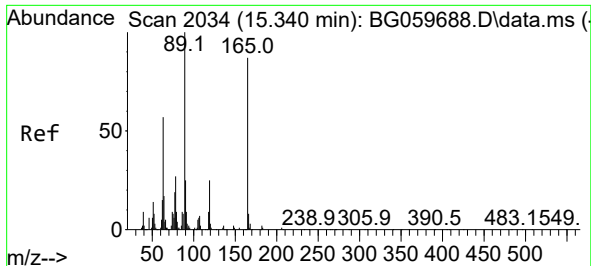
Ion Ratio Lower Upper

165 100

63 0.0 73.6 110.4#

89 3.5 87.0 130.6#





#57

2,4-Dinitrotoluene

Concen: 6.169 ng

RT: 14.965 min Scan# 1970

Delta R.T. -0.375 min

Lab File: BG059707.D

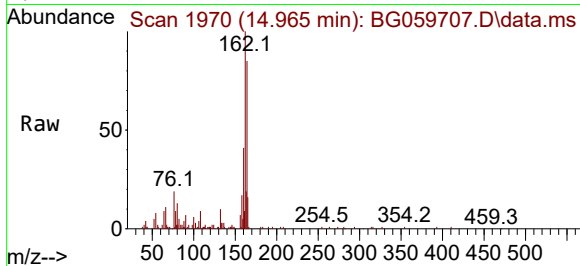
Acq: 15 Nov 2023 19:46

Instrument :

BNA_G

ClientSampleId :

WC-2RE



Tgt Ion:165 Resp: 9078

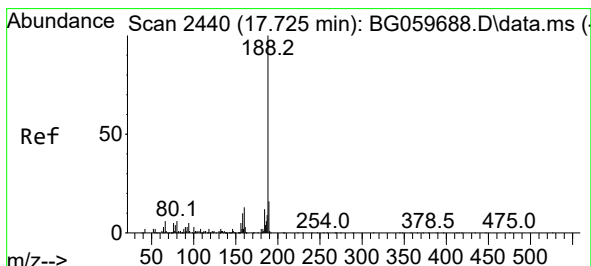
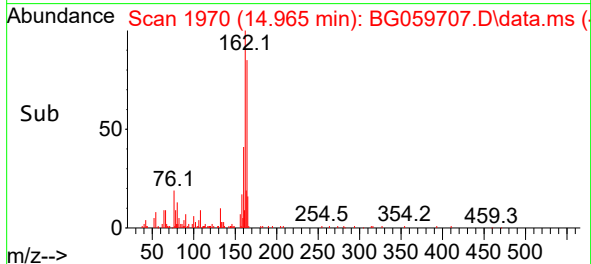
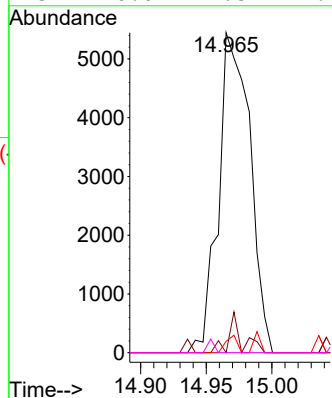
Ion Ratio Lower Upper

165 100

63 0.0 52.2 78.2#

89 3.5 91.8 137.6#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.727 min Scan# 2440

Delta R.T. 0.001 min

Lab File: BG059707.D

Acq: 15 Nov 2023 19:46

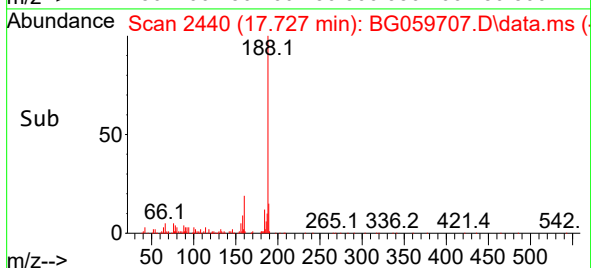
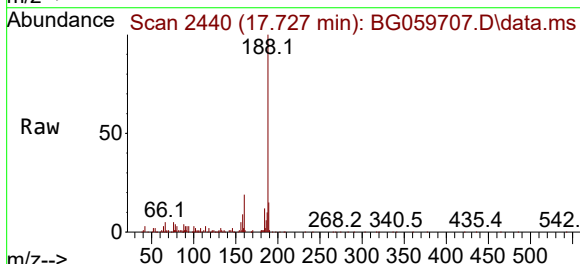
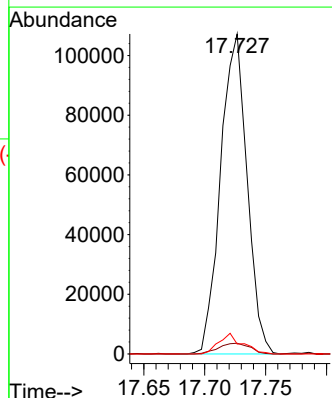
Tgt Ion:188 Resp: 162155

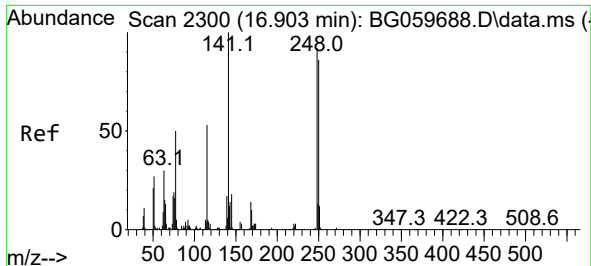
Ion Ratio Lower Upper

188 100

94 3.4 3.9 5.9#

80 3.1 4.5 6.7#

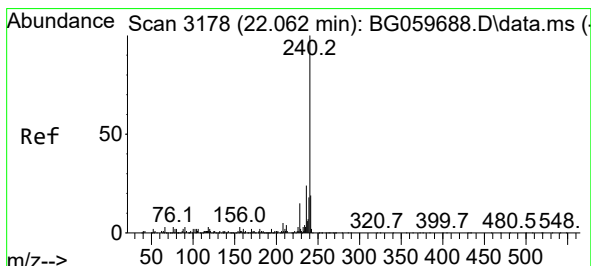
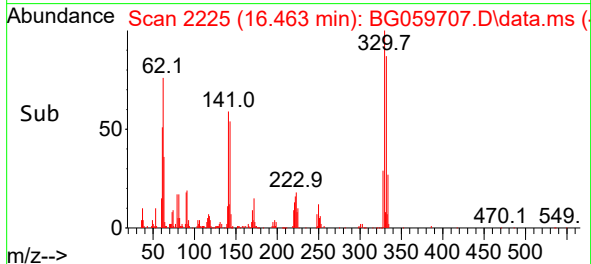
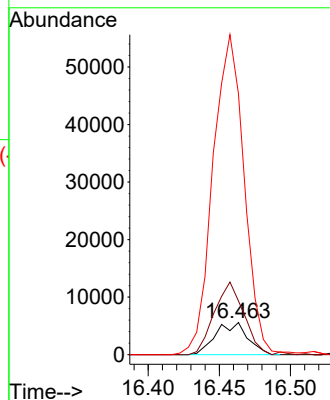
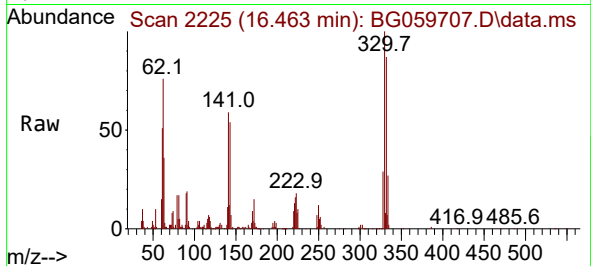




#67
4-Bromophenyl-phenylether
Concen: 5.135 ng
RT: 16.463 min Scan# 211
Delta R.T. -0.439 min
Lab File: BG059707.D
Acq: 15 Nov 2023 19:46

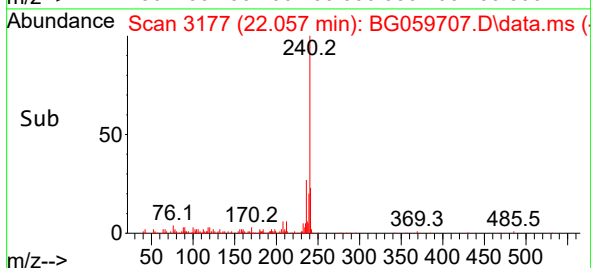
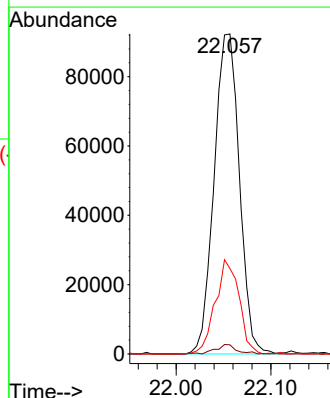
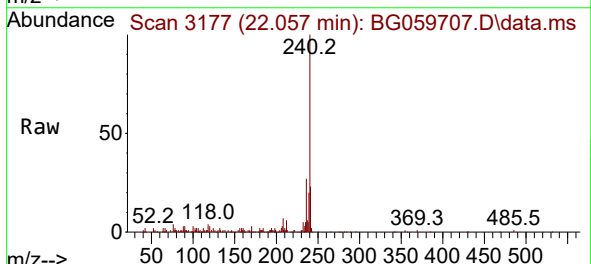
Instrument :
BNA_G
ClientSampleId :
WC-2RE

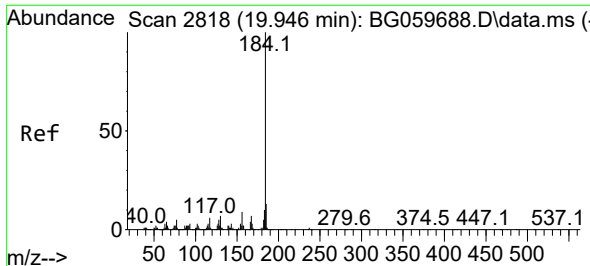
Tgt Ion:248 Resp: 8760
Ion Ratio Lower Upper
248 100
250 167.3 74.5 111.7#
141 813.6 86.6 129.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.057 min Scan# 3177
Delta R.T. -0.005 min
Lab File: BG059707.D
Acq: 15 Nov 2023 19:46

Tgt Ion:240 Resp: 171197
Ion Ratio Lower Upper
240 100
120 2.8 2.6 3.8
236 26.7 19.4 29.0

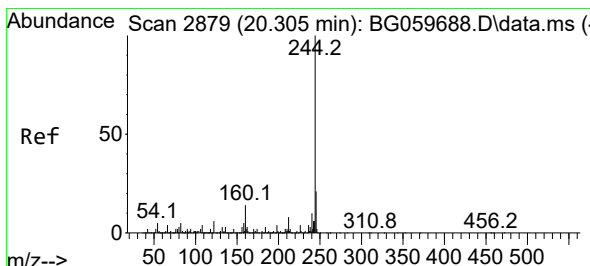
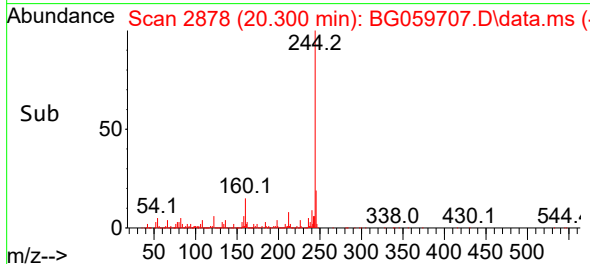
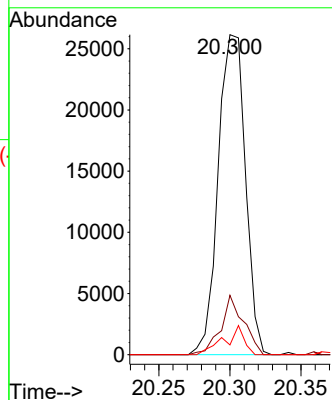
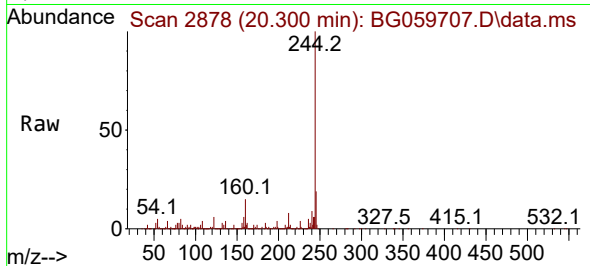




#77
Benzidine
Concen: 12.028 ng
RT: 20.300 min Scan# 2818
Delta R.T. 0.354 min
Lab File: BG059707.D
Acq: 15 Nov 2023 19:46

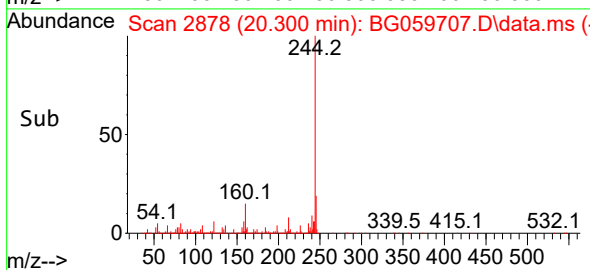
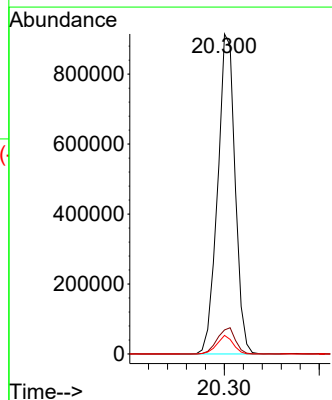
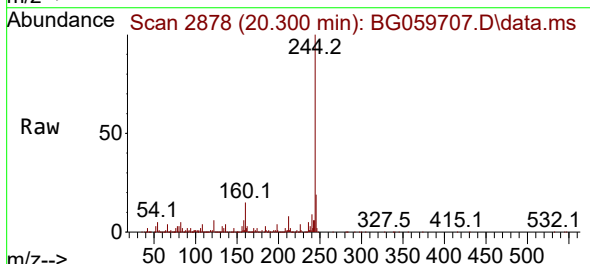
Instrument :
BNA_G
ClientSampleId :
WC-2RE

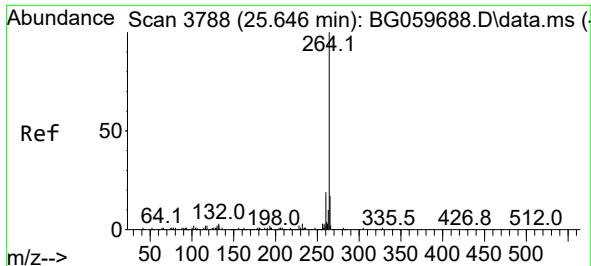
Tgt Ion:184 Resp: 34793
Ion Ratio Lower Upper
184 100
185 18.6 10.7 16.1#
183 3.0 7.8 11.6#



#79
Terphenyl-d14
Concen: 141.111 ng
RT: 20.300 min Scan# 2878
Delta R.T. -0.005 min
Lab File: BG059707.D
Acq: 15 Nov 2023 19:46

Tgt Ion:244 Resp: 1170884
Ion Ratio Lower Upper
244 100
212 7.5 6.6 9.8
122 5.8 4.6 6.8





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.641 min Scan# 31
 Delta R.T. -0.005 min
 Lab File: BG059707.D
 Acq: 15 Nov 2023 19:46

Instrument :
 BNA_G
 ClientSampleId :
 WC-2RE

Tgt Ion:264 Resp: 212112
 Ion Ratio Lower Upper
 264 100
 260 17.3 15.6 23.4
 265 18.8 13.4 20.2

