

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112123\
 Data File : BG059810.D
 Acq On : 22 Nov 2023 3:11
 Operator : MA/JU
 Sample : 05380-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-7

Quant Time: Nov 22 03:47:04 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 01:51:38 2023
 Response via : Initial Calibration

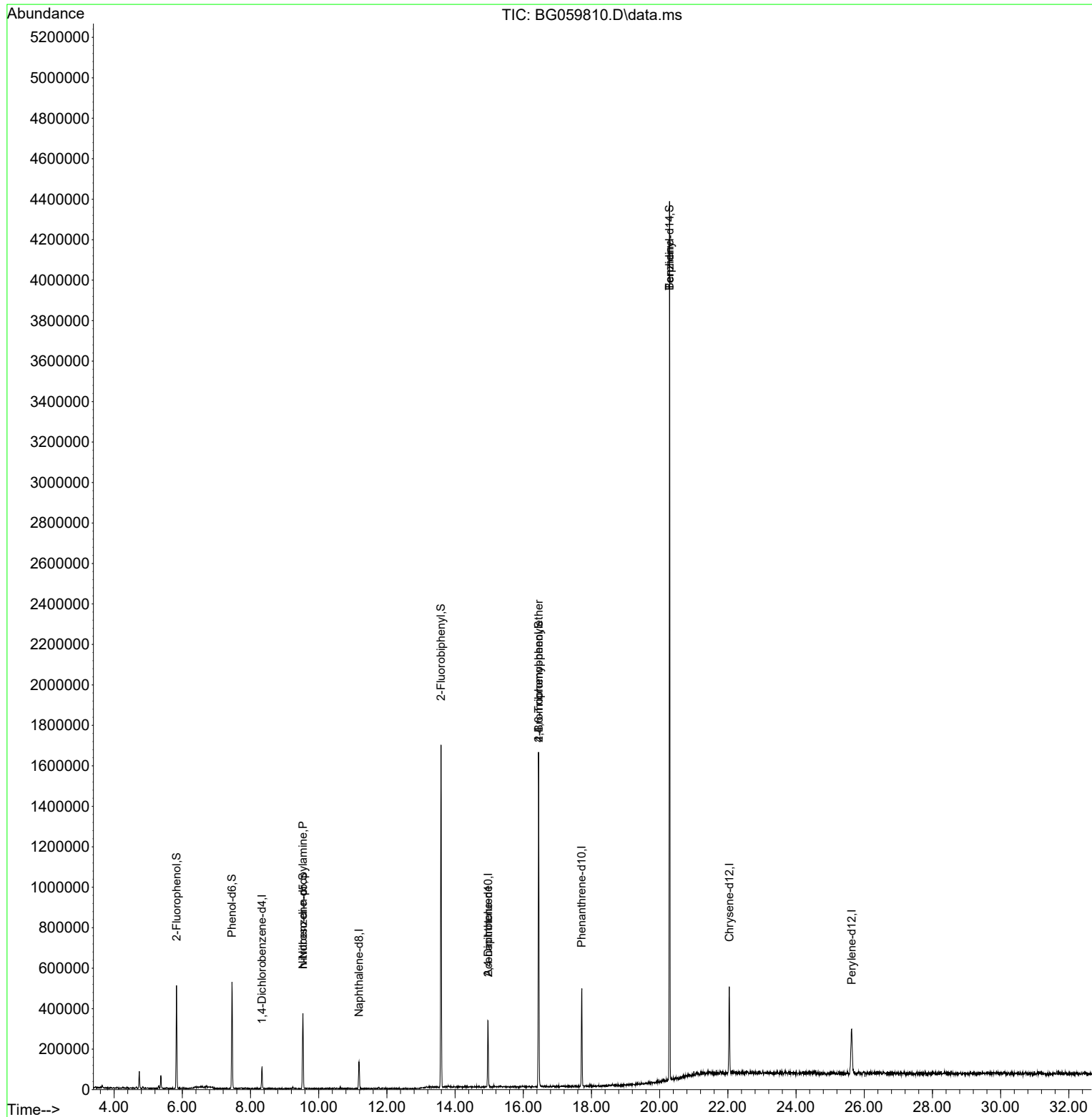
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.335	152	23124	20.000	ng	0.00
21) Naphthalene-d8	11.184	136	97130	20.000	ng	# 0.00
39) Acenaphthene-d10	14.968	164	106623	20.000	ng	0.00
64) Phenanthrene-d10	17.712	188	271919	20.000	ng	# 0.00
76) Chrysene-d12	22.042	240	238296	20.000	ng	# 0.00
86) Perylene-d12	25.632	264	264013	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.832	112	170188	123.876	ng	0.00
7) Phenol-d6	7.459	99	230072	113.006	ng	0.00
23) Nitrobenzene-d5	9.539	82	231006	90.833	ng	0.00
42) 2,4,6-Tribromophenol	16.455	330	225639	186.514	ng	0.00
45) 2-Fluorobiphenyl	13.587	172	715734	90.357	ng	0.00
79) Terphenyl-d14	20.291	244	1743627	108.018	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.539	70	35732	22.287	ng	# 87
57) 2,4-Dinitrotoluene	14.968	165	14235	5.905	ng	# 5
67) 4-Bromophenyl-phenylether	16.455	248	14990	5.131	ng	# 1
77) Benzidine	20.291	184	51490	9.529	ng	# 91

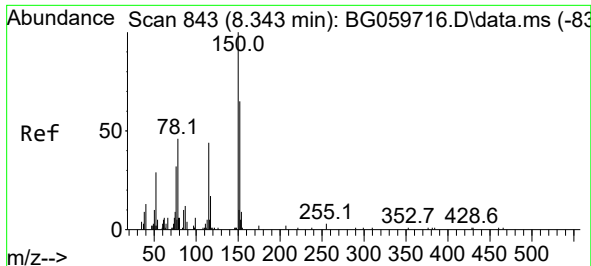
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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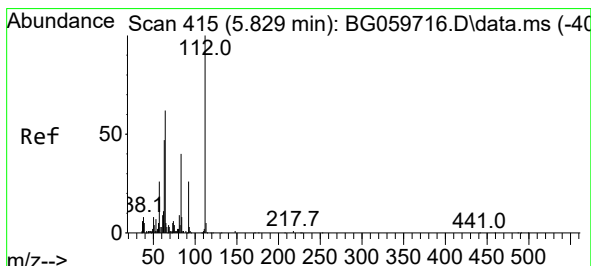
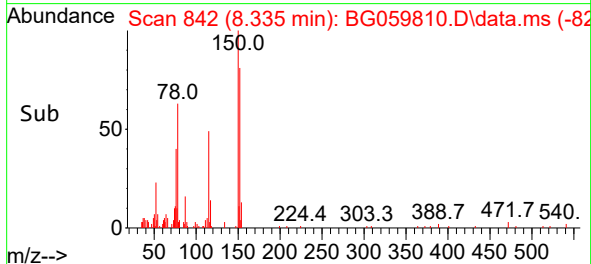
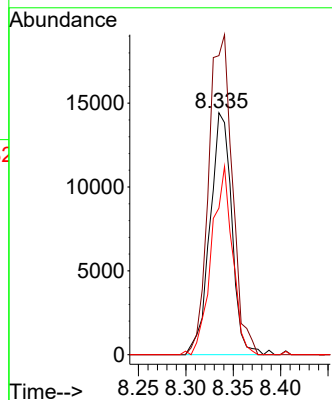
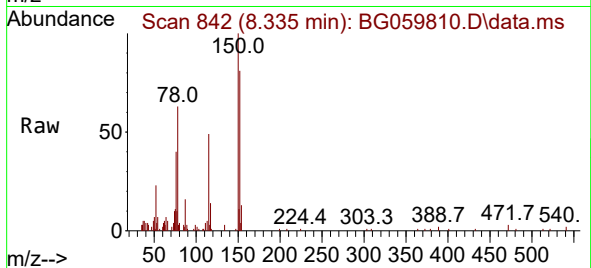




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.335 min Scan# 84
Delta R.T. -0.008 min
Lab File: BG059810.D
Acq: 22 Nov 2023 3:11

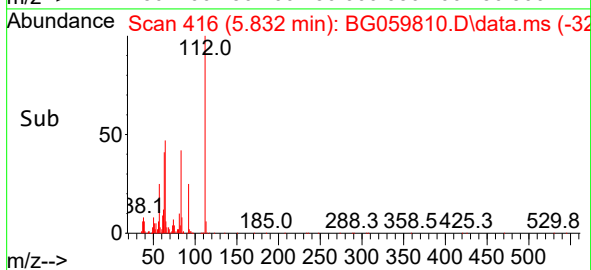
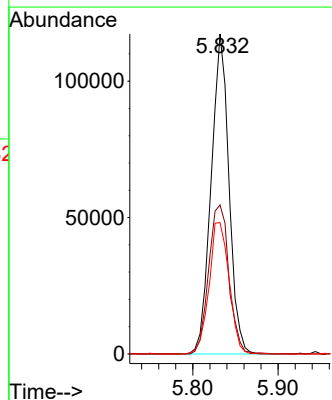
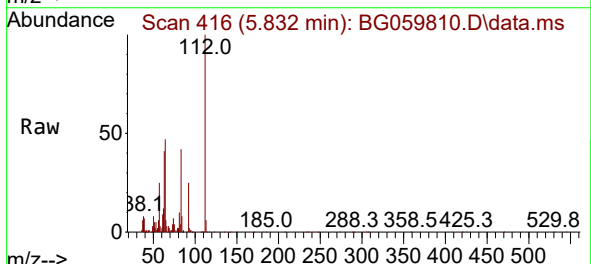
Instrument :
BNA_G
ClientSampleId :
WC-7

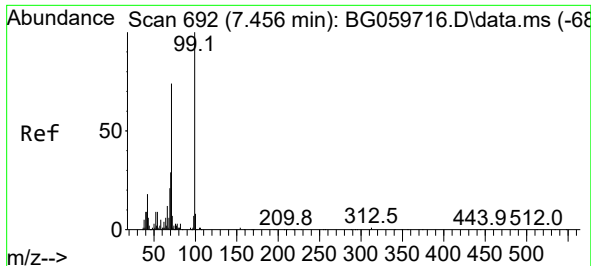
Tgt Ion:152 Resp: 23124
Ion Ratio Lower Upper
152 100
150 123.6 122.2 183.4
115 60.6 54.2 81.4



#5
2-Fluorophenol
Concen: 123.876 ng
RT: 5.832 min Scan# 416
Delta R.T. 0.003 min
Lab File: BG059810.D
Acq: 22 Nov 2023 3:11

Tgt Ion:112 Resp: 170188
Ion Ratio Lower Upper
112 100
64 46.6 49.5 74.3#
63 41.0 37.4 56.2

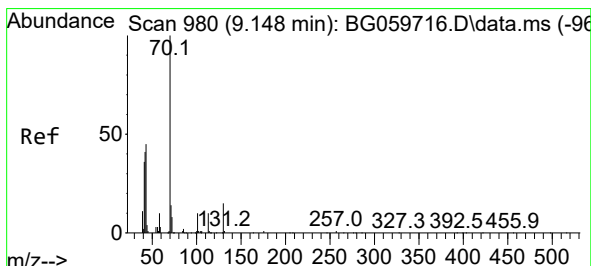
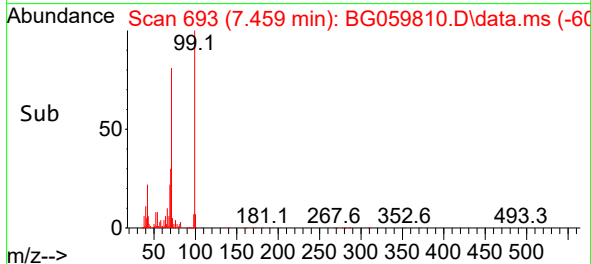
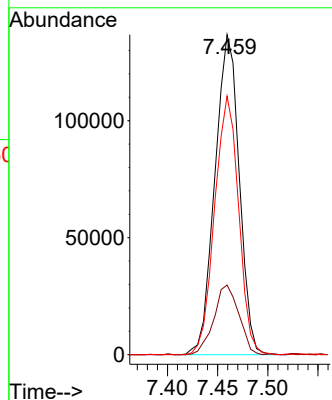
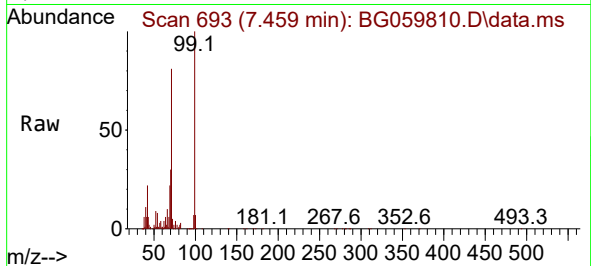




#7
Phenol-d6
Concen: 113.006 ng
RT: 7.459 min Scan# 692
Delta R.T. 0.003 min
Lab File: BG059810.D
Acq: 22 Nov 2023 3:11

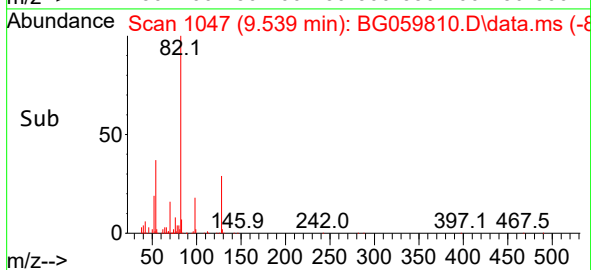
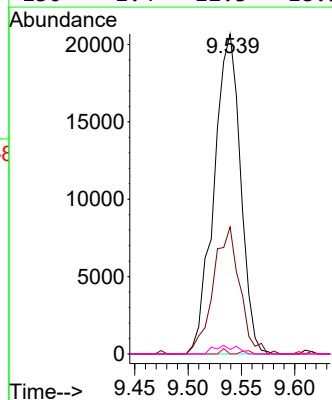
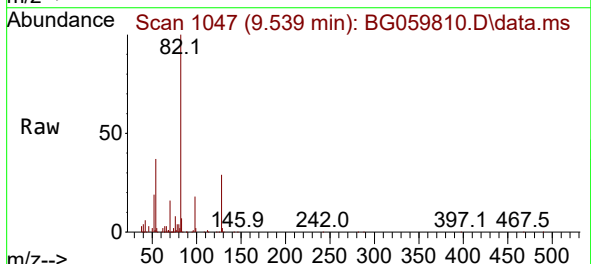
Instrument :
BNA_G
ClientSampleId :
WC-7

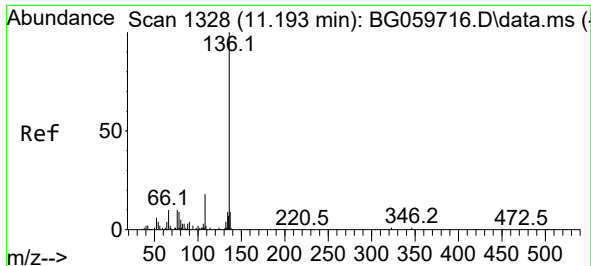
Tgt Ion: 99 Resp: 230072
Ion Ratio Lower Upper
99 100
42 21.8 14.3 21.5#
71 80.8 59.3 88.9



#19
n-Nitroso-di-n-propylamine
Concen: 22.287 ng
RT: 9.539 min Scan# 1047
Delta R.T. 0.391 min
Lab File: BG059810.D
Acq: 22 Nov 2023 3:11

Tgt Ion: 70 Resp: 35732
Ion Ratio Lower Upper
70 100
42 39.7 32.8 49.2
101 0.0 7.7 11.5#
130 1.4 12.3 18.5#

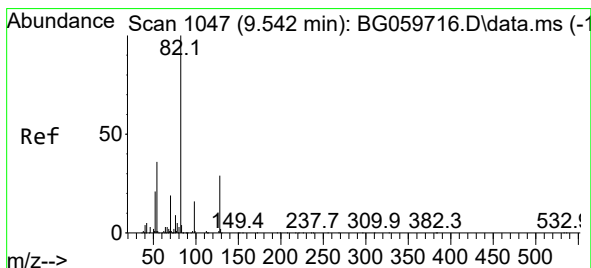
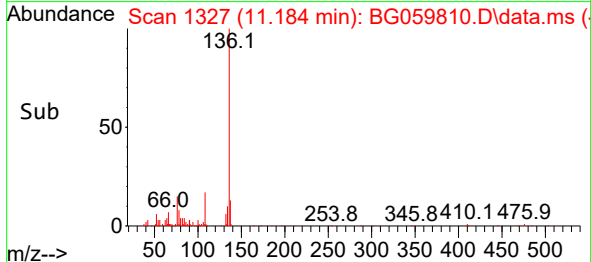
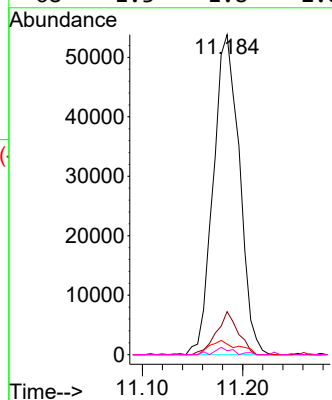
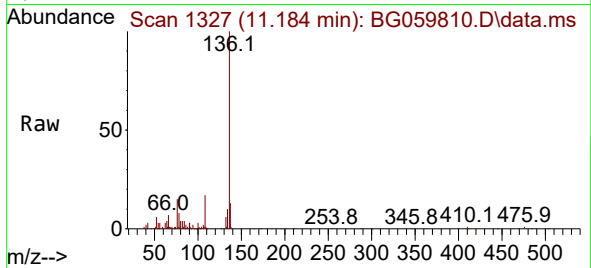




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.184 min Scan# 111
Delta R.T. -0.009 min
Lab File: BG059810.D
Acq: 22 Nov 2023 3:11

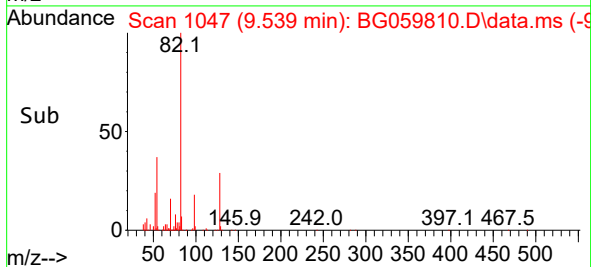
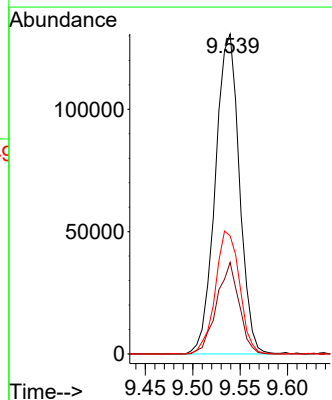
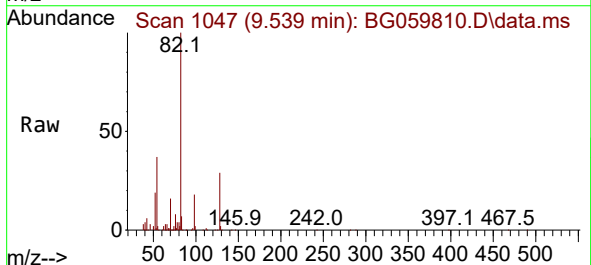
Instrument :
BNA_G
ClientSampleId :
WC-7

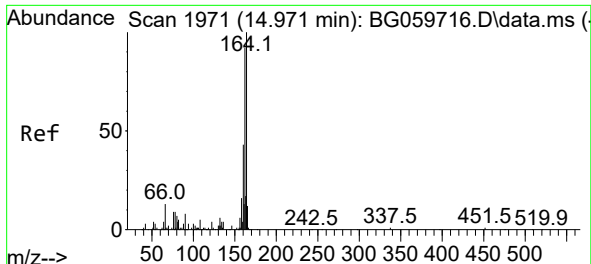
Tgt Ion:136 Resp: 97130
Ion Ratio Lower Upper
136 100
137 13.4 7.4 11.0#
54 3.3 3.1 4.7
68 1.3 1.8 2.8#



#23
Nitrobenzene-d5
Concen: 90.833 ng
RT: 9.539 min Scan# 1047
Delta R.T. -0.003 min
Lab File: BG059810.D
Acq: 22 Nov 2023 3:11

Tgt Ion: 82 Resp: 231006
Ion Ratio Lower Upper
82 100
128 28.6 23.0 34.6
54 36.9 28.7 43.1

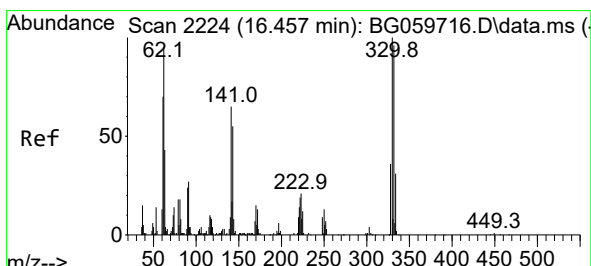
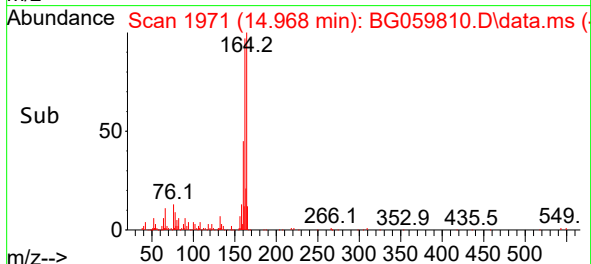
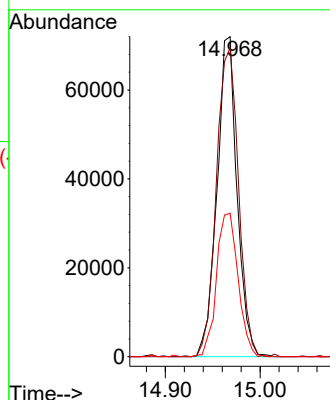
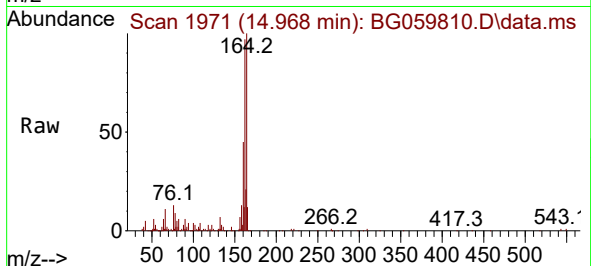




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.968 min Scan# 1971
Delta R.T. -0.003 min
Lab File: BG059810.D
Acq: 22 Nov 2023 3:11

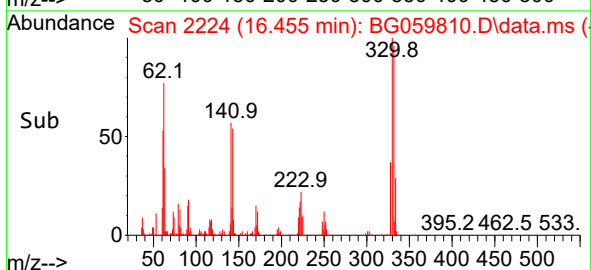
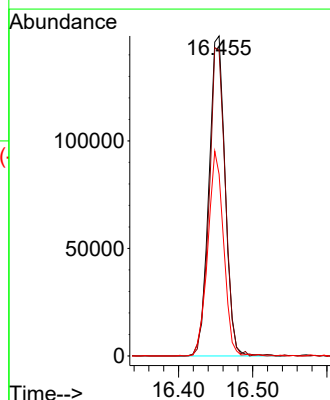
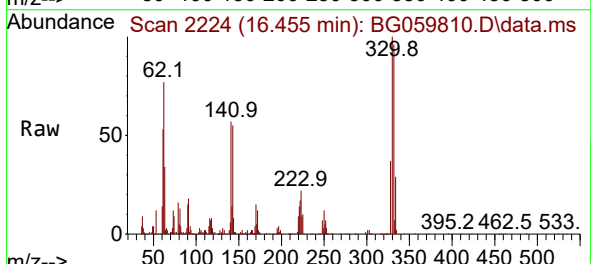
Instrument :
BNA_G
ClientSampleId :
WC-7

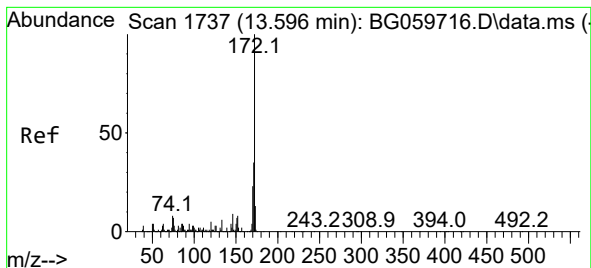
Tgt Ion:164 Resp: 106623
Ion Ratio Lower Upper
164 100
162 96.6 73.3 109.9
160 44.9 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 186.514 ng
RT: 16.455 min Scan# 2224
Delta R.T. -0.003 min
Lab File: BG059810.D
Acq: 22 Nov 2023 3:11

Tgt Ion:330 Resp: 225639
Ion Ratio Lower Upper
330 100
332 95.5 73.3 109.9
141 62.2 52.1 78.1





#45

2-Fluorobiphenyl

Concen: 90.357 ng

RT: 13.587 min Scan# 1

Delta R.T. -0.009 min

Lab File: BG059810.D

Acq: 22 Nov 2023 3:11

Instrument :

BNA_G

ClientSampleId :

WC-7

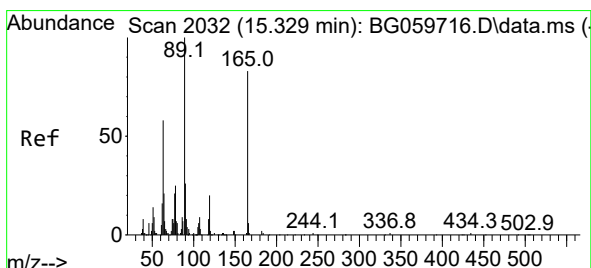
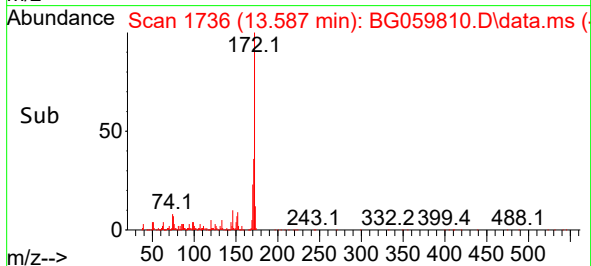
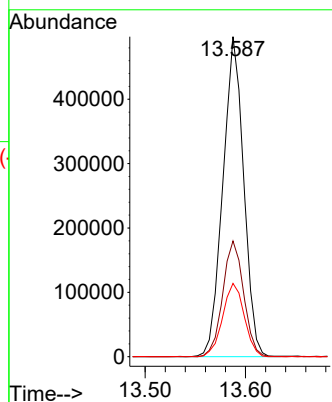
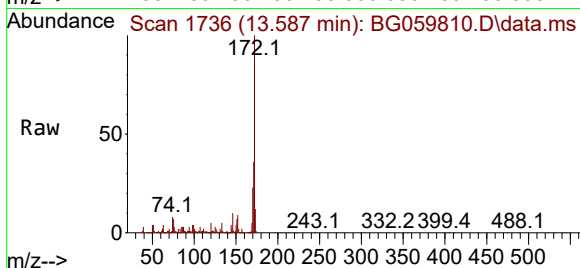
Tgt Ion:172 Resp: 715734

Ion Ratio Lower Upper

172 100

171 36.2 27.7 41.5

170 22.9 18.4 27.6



#57

2,4-Dinitrotoluene

Concen: 5.905 ng

RT: 14.968 min Scan# 1971

Delta R.T. -0.361 min

Lab File: BG059810.D

Acq: 22 Nov 2023 3:11

Tgt Ion:165 Resp: 14235

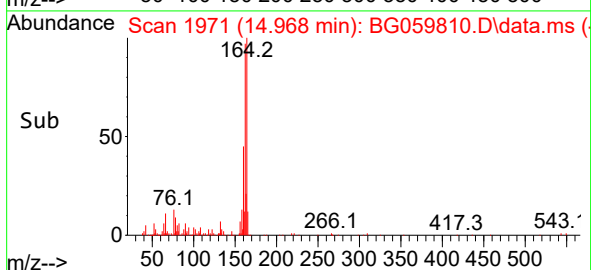
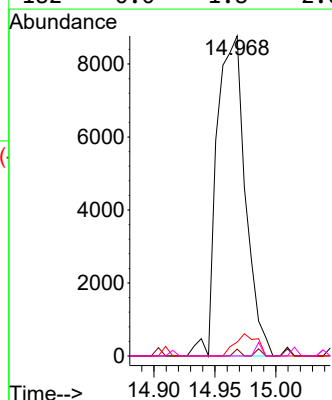
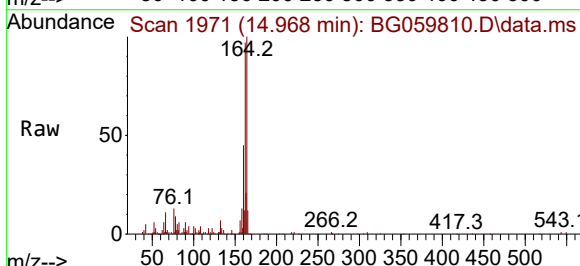
Ion Ratio Lower Upper

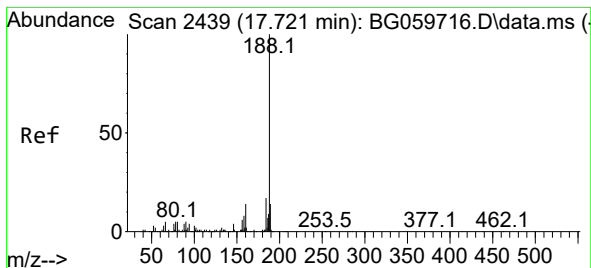
165 100

63 2.2 55.8 83.8#

89 4.3 96.9 145.3#

182 0.0 1.8 2.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.712 min Scan# 2439

Delta R.T. -0.009 min

Lab File: BG059810.D

Acq: 22 Nov 2023 3:11

Instrument :

BNA_G

ClientSampleId :

WC-7

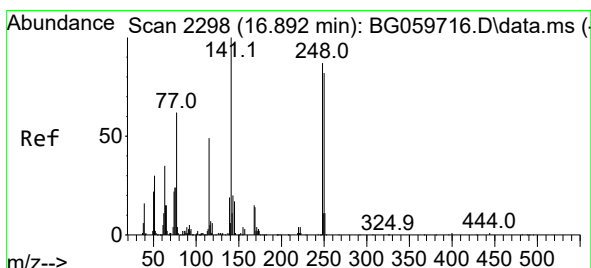
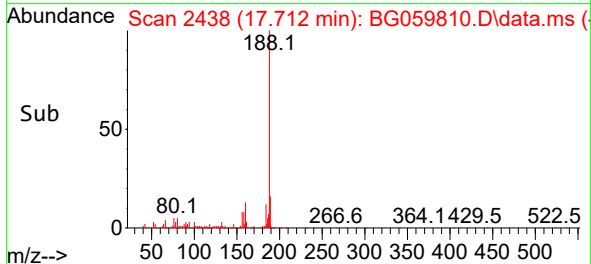
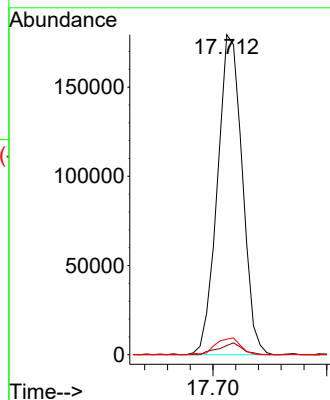
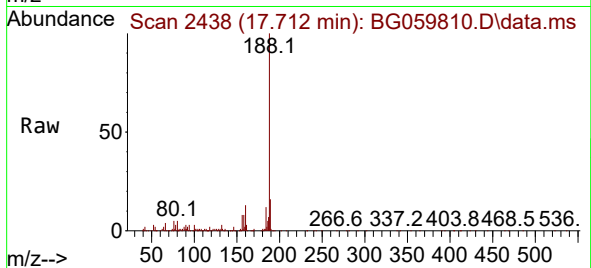
Tgt Ion:188 Resp: 271919

Ion Ratio Lower Upper

188 100

94 2.9 3.0 4.4#

80 4.9 4.2 6.4



#67

4-Bromophenyl-phenylether

Concen: 5.131 ng

RT: 16.455 min Scan# 2224

Delta R.T. -0.437 min

Lab File: BG059810.D

Acq: 22 Nov 2023 3:11

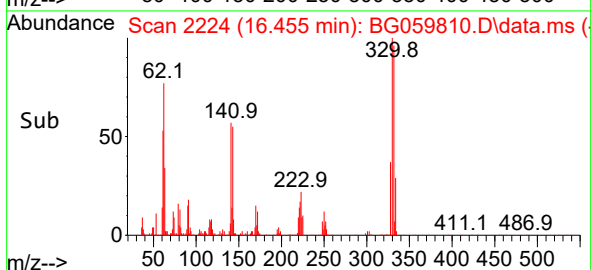
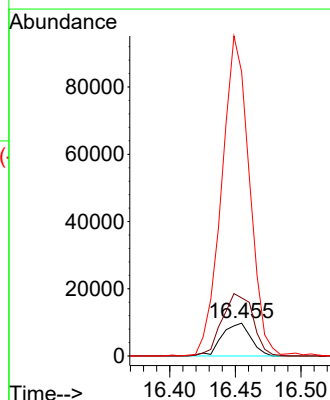
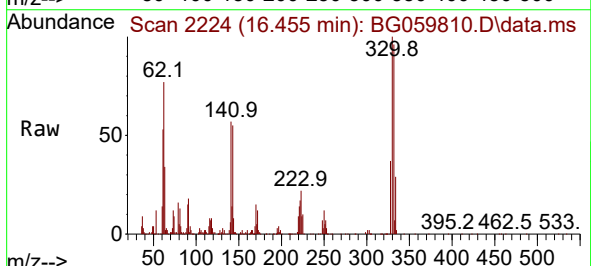
Tgt Ion:248 Resp: 14990

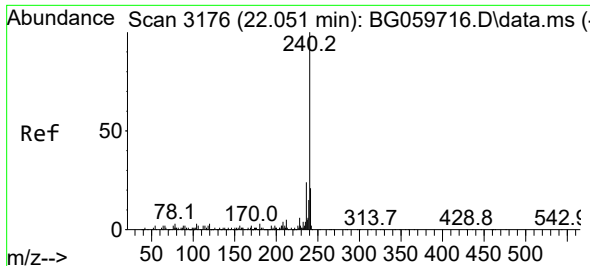
Ion Ratio Lower Upper

248 100

250 177.0 75.2 112.8#

141 865.8 91.5 137.3#

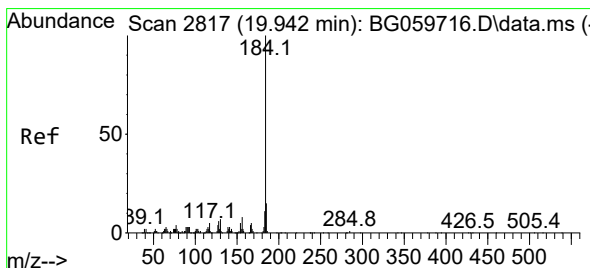
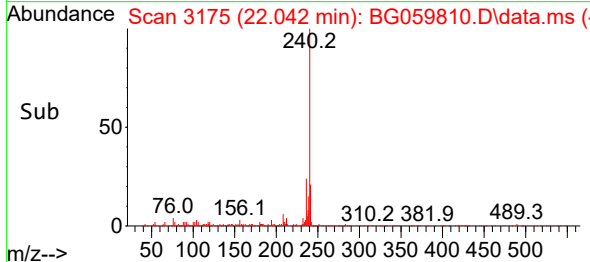
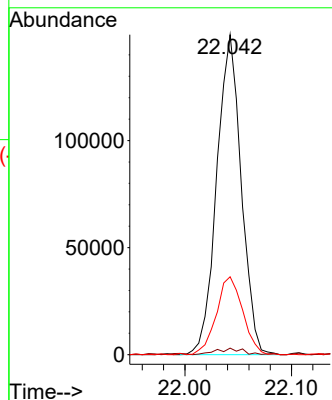
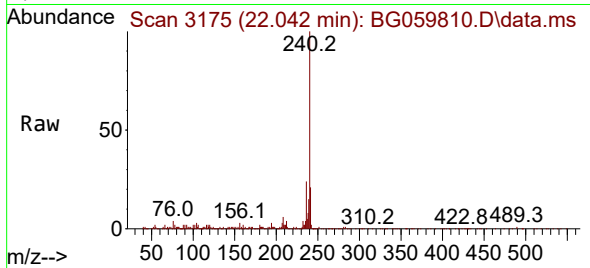




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.042 min Scan# 3175
Delta R.T. -0.009 min
Lab File: BG059810.D
Acq: 22 Nov 2023 3:11

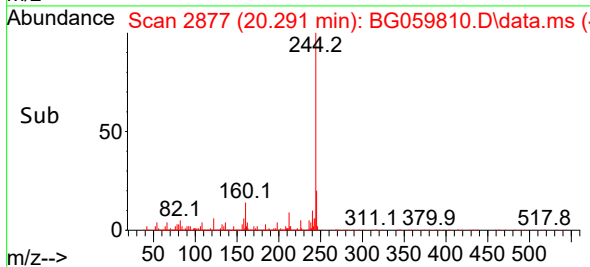
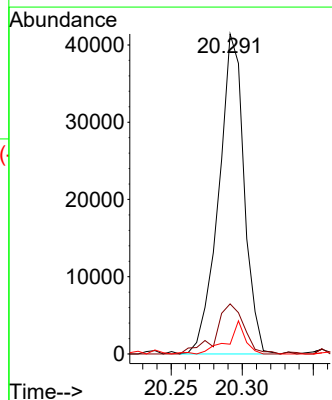
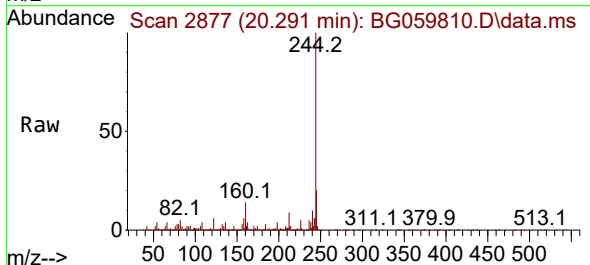
Instrument :
BNA_G
ClientSampleId :
WC-7

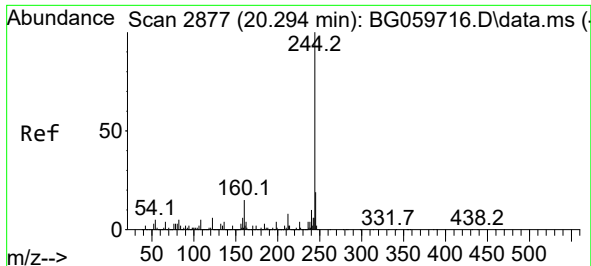
Tgt Ion:240 Resp: 238296
Ion Ratio Lower Upper
240 100
120 2.1 2.2 3.2#
236 24.3 19.4 29.2



#77
Benzidine
Concen: 9.529 ng
RT: 20.291 min Scan# 2877
Delta R.T. 0.350 min
Lab File: BG059810.D
Acq: 22 Nov 2023 3:11

Tgt Ion:184 Resp: 51490
Ion Ratio Lower Upper
184 100
185 15.7 12.2 18.2
183 3.1 8.8 13.2#





#79

Terphenyl-d14

Concen: 108.018 ng

RT: 20.291 min Scan# 2877

Delta R.T. -0.003 min

Lab File: BG059810.D

Acq: 22 Nov 2023 3:11

Instrument :

BNA_G

ClientSampleId :

WC-7

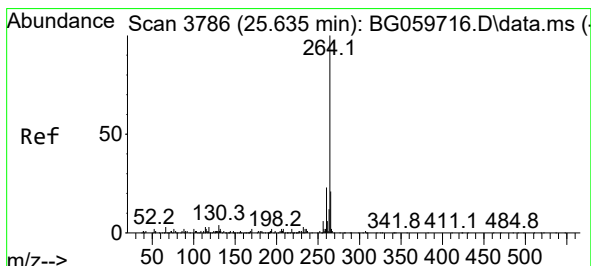
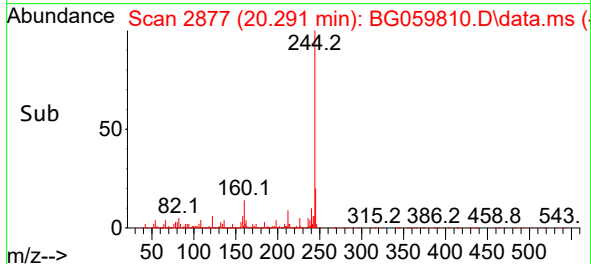
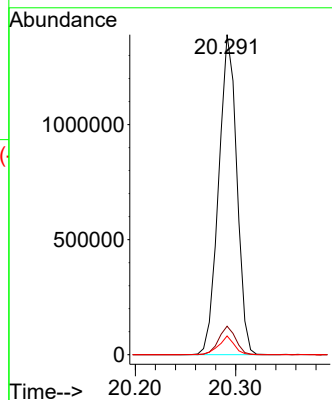
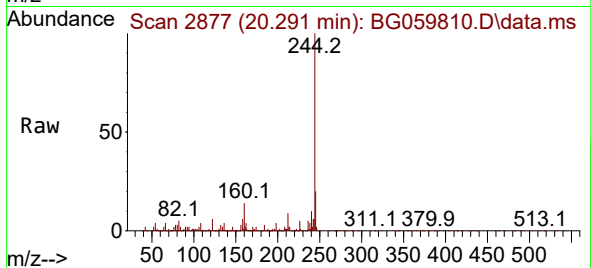
Tgt Ion:244 Resp: 1743627

Ion Ratio Lower Upper

244 100

212 8.9 6.6 10.0

122 5.9 4.4 6.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.632 min Scan# 3786

Delta R.T. -0.003 min

Lab File: BG059810.D

Acq: 22 Nov 2023 3:11

Tgt Ion:264 Resp: 264013

Ion Ratio Lower Upper

264 100

260 19.9 18.5 27.7

265 20.0 17.0 25.6

