

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112123\
 Data File : BG059806.D
 Acq On : 22 Nov 2023 00:27
 Operator : MA/JU
 Sample : 05379-08
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-4

Quant Time: Nov 22 01:04:44 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)

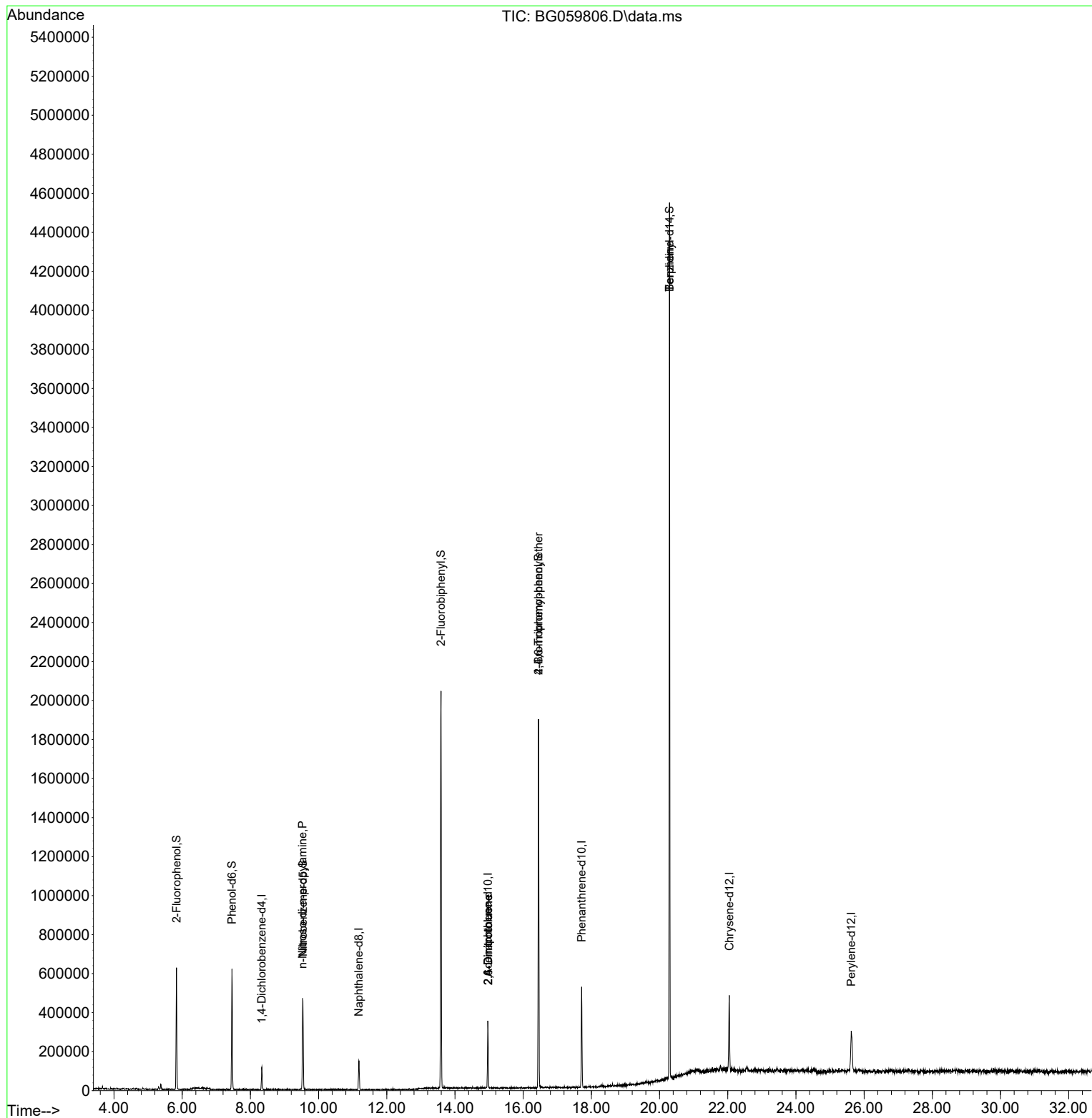
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.332	152	25106	20.000	ng	#-0.01
21) Naphthalene-d8	11.182	136	106608	20.000	ng	#-0.01
39) Acenaphthene-d10	14.966	164	112989	20.000	ng	0.00
64) Phenanthrene-d10	17.715	188	275944	20.000	ng	0.00
76) Chrysene-d12	22.046	240	213731	20.000	ng	# 0.00
86) Perylene-d12	25.624	264	233913	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.835	112	213662	143.242	ng	0.00
7) Phenol-d6	7.463	99	274829	124.333	ng	0.00
23) Nitrobenzene-d5	9.543	82	296612	106.260	ng	0.00
42) 2,4,6-Tribromophenol	16.452	330	253577	197.798	ng	0.00
45) 2-Fluorobiphenyl	13.591	172	860266	102.484	ng	0.00
79) Terphenyl-d14	20.295	244	1840527	127.126	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.531	70	47726	27.418	ng	# 80
51) 2,6-Dinitrotoluene	14.972	165	13140	7.911	ng	# 1
57) 2,4-Dinitrotoluene	14.972	165	13140	5.144	ng	# 1
67) 4-Bromophenyl-phenylether	16.452	248	17235	5.814	ng	# 1
77) Benzidine	20.295	184	58150	11.998	ng	# 85

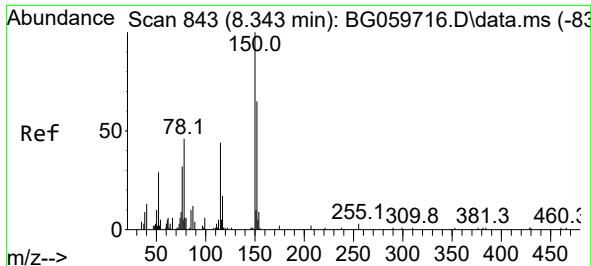
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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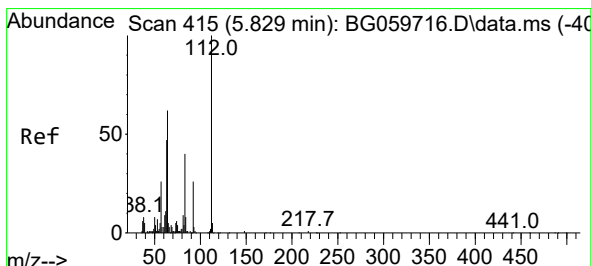
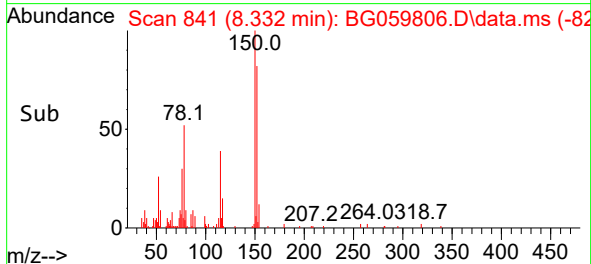
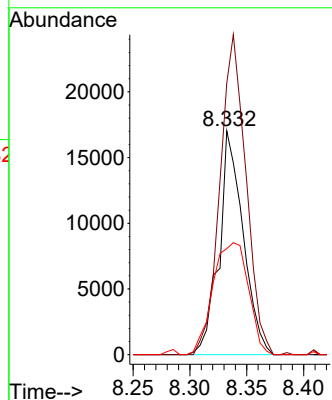
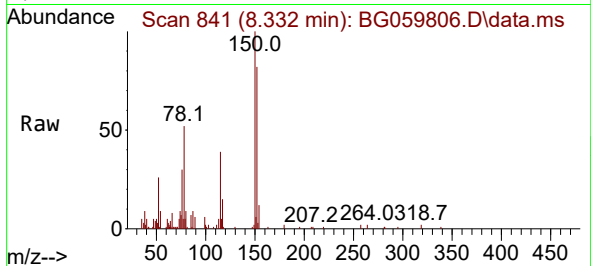




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.332 min Scan# 84
Delta R.T. -0.011 min
Lab File: BG059806.D
Acq: 22 Nov 2023 00:27

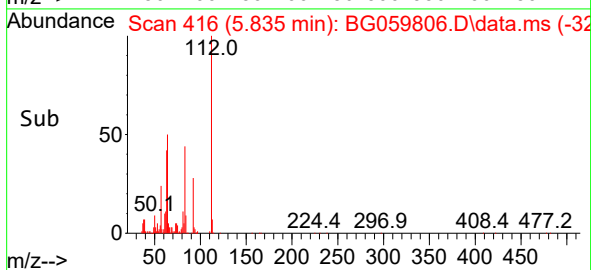
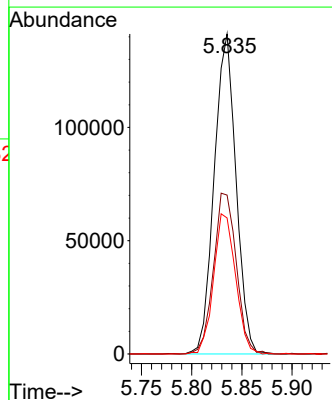
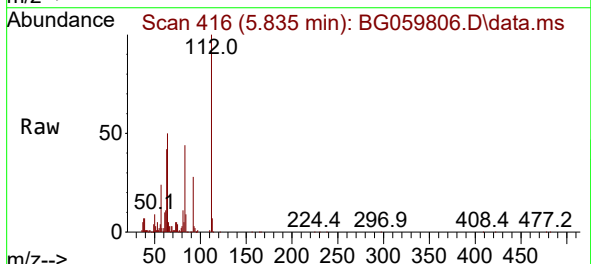
Instrument :
BNA_G
ClientSampleId :
WC-4

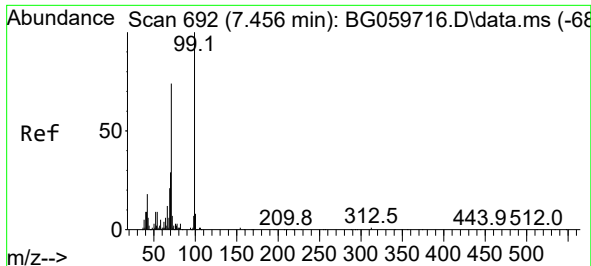
Tgt Ion:152 Resp: 25106
Ion Ratio Lower Upper
152 100
150 121.2 122.2 183.4#
115 47.4 54.2 81.4#



#5
2-Fluorophenol
Concen: 143.242 ng
RT: 5.835 min Scan# 416
Delta R.T. 0.007 min
Lab File: BG059806.D
Acq: 22 Nov 2023 00:27

Tgt Ion:112 Resp: 213662
Ion Ratio Lower Upper
112 100
64 49.6 49.5 74.3
63 42.5 37.4 56.2

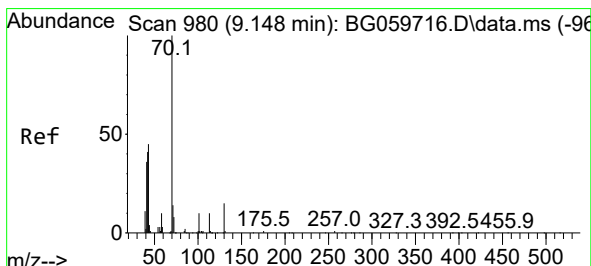
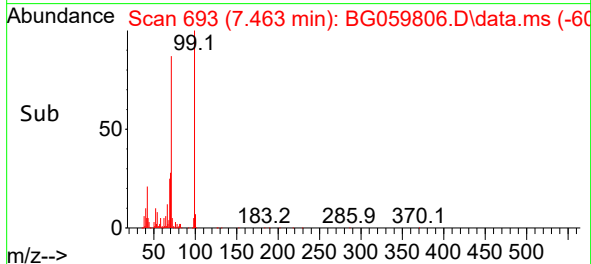
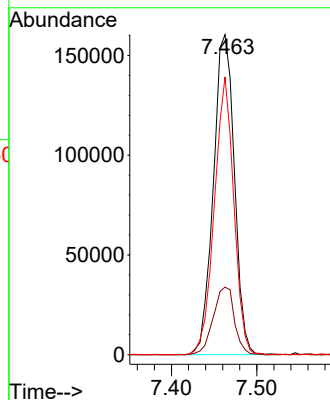
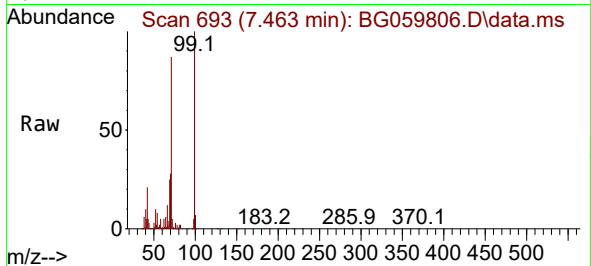




#7
Phenol-d6
Concen: 124.333 ng
RT: 7.463 min Scan# 692
Delta R.T. 0.007 min
Lab File: BG059806.D
Acq: 22 Nov 2023 00:27

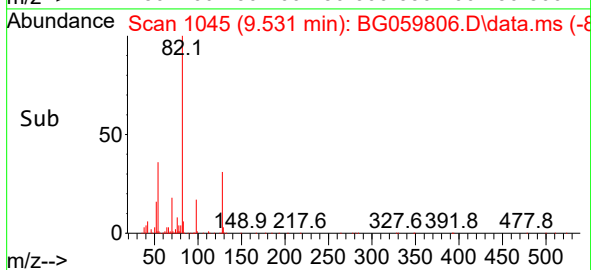
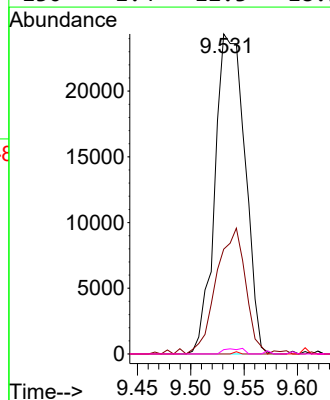
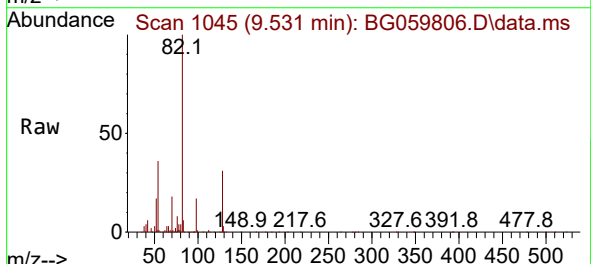
Instrument :
BNA_G
ClientSampleId :
WC-4

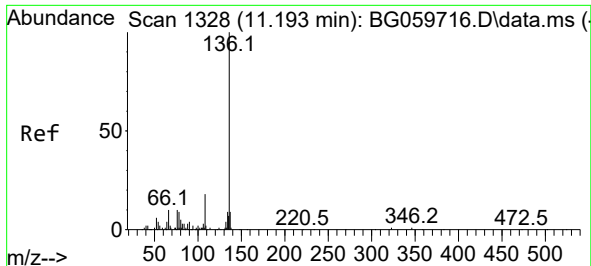
Tgt Ion: 99 Resp: 274829
Ion Ratio Lower Upper
99 100
42 21.1 14.3 21.5
71 86.8 59.3 88.9



#19
n-Nitroso-di-n-propylamine
Concen: 27.418 ng
RT: 9.531 min Scan# 1045
Delta R.T. 0.383 min
Lab File: BG059806.D
Acq: 22 Nov 2023 00:27

Tgt Ion: 70 Resp: 47726
Ion Ratio Lower Upper
70 100
42 32.7 32.8 49.2#
101 0.0 7.7 11.5#
130 1.4 12.3 18.5#

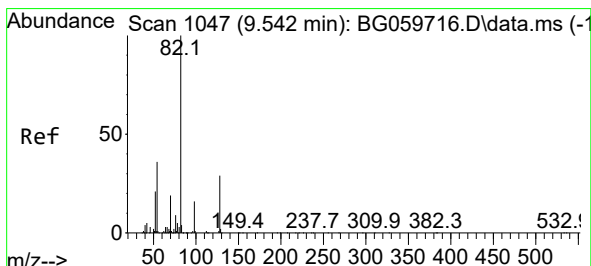
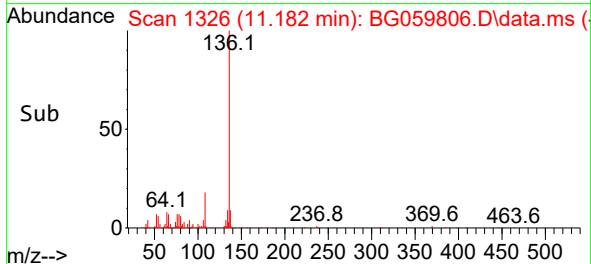
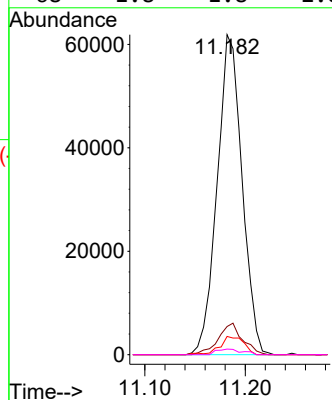
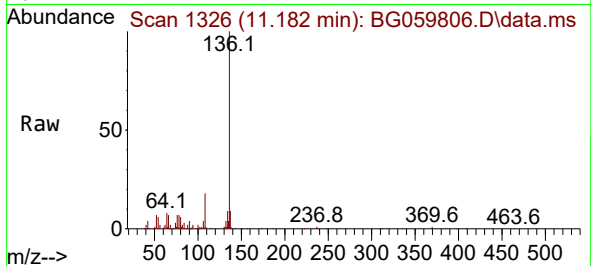




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.182 min Scan# 111
Delta R.T. -0.011 min
Lab File: BG059806.D
Acq: 22 Nov 2023 00:27

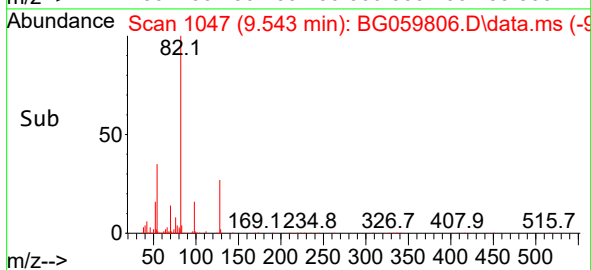
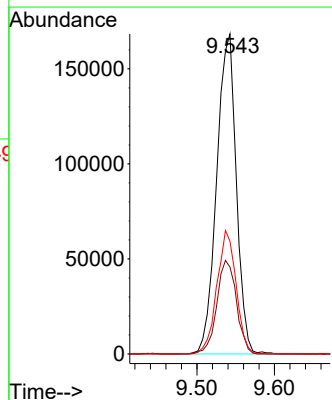
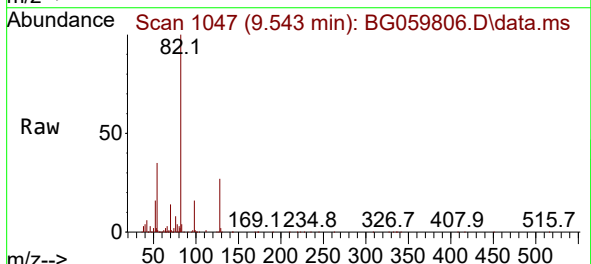
Instrument :
BNA_G
ClientSampleId :
WC-4

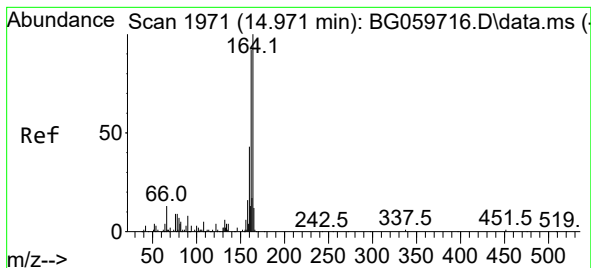
Tgt Ion:136 Resp: 106608
Ion Ratio Lower Upper
136 100
137 8.8 7.4 11.0
54 5.7 3.1 4.7#
68 1.8 1.8 2.8#



#23
Nitrobenzene-d5
Concen: 106.260 ng
RT: 9.543 min Scan# 1047
Delta R.T. 0.001 min
Lab File: BG059806.D
Acq: 22 Nov 2023 00:27

Tgt Ion: 82 Resp: 296612
Ion Ratio Lower Upper
82 100
128 27.1 23.0 34.6
54 35.2 28.7 43.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.966 min Scan# 1971

Delta R.T. -0.005 min

Lab File: BG059806.D

Acq: 22 Nov 2023 00:27

Instrument :

BNA_G

ClientSampleId :

WC-4

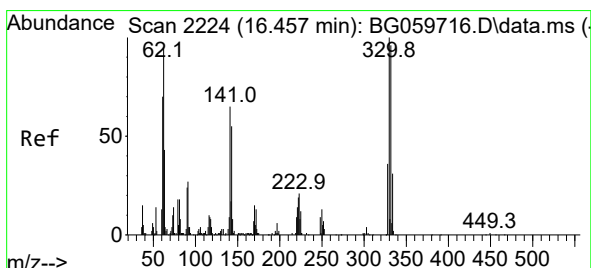
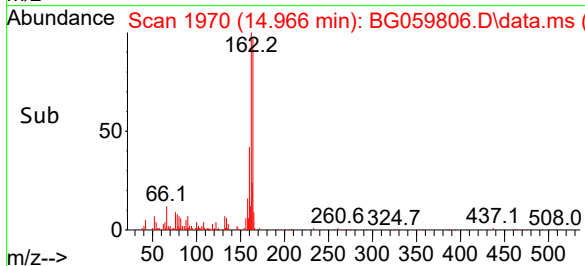
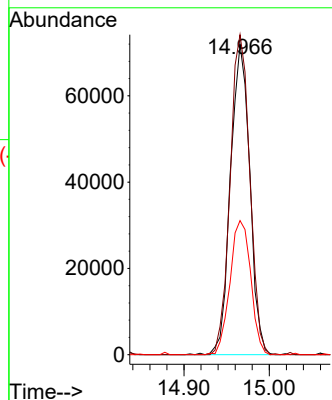
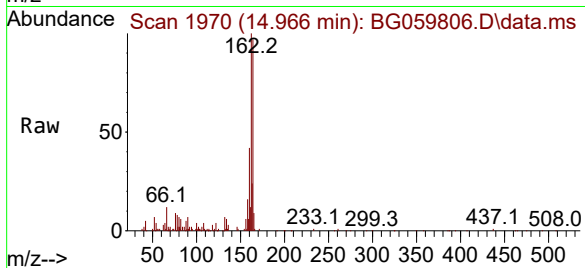
Tgt Ion:164 Resp: 112989

Ion Ratio Lower Upper

164 100

162 103.1 73.3 109.9

160 43.2 34.1 51.1



#42

2,4,6-Tribromophenol

Concen: 197.798 ng

RT: 16.452 min Scan# 2223

Delta R.T. -0.005 min

Lab File: BG059806.D

Acq: 22 Nov 2023 00:27

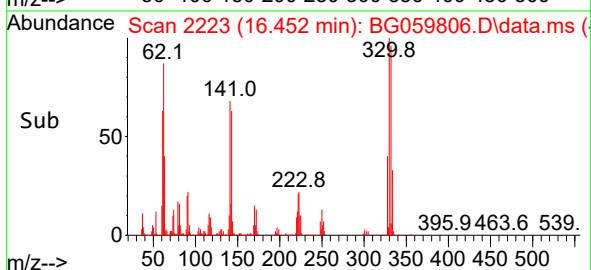
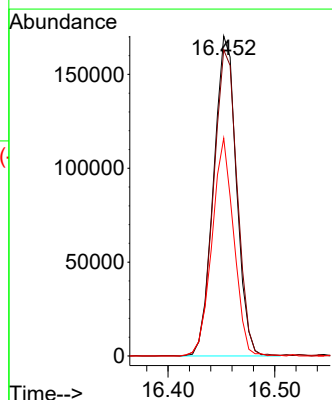
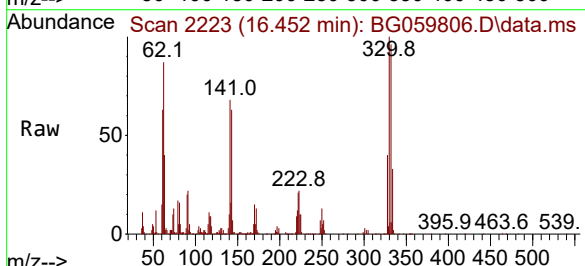
Tgt Ion:330 Resp: 253577

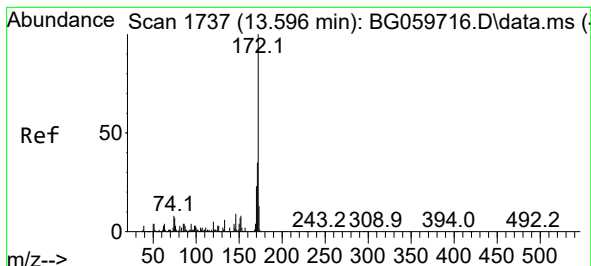
Ion Ratio Lower Upper

330 100

332 98.7 73.3 109.9

141 64.8 52.1 78.1





#45

2-Fluorobiphenyl

Concen: 102.484 ng

RT: 13.591 min Scan# 1

Delta R.T. -0.005 min

Lab File: BG059806.D

Acq: 22 Nov 2023 00:27

Instrument :

BNA_G

ClientSampleId :

WC-4

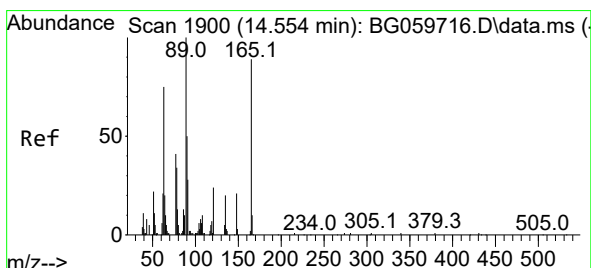
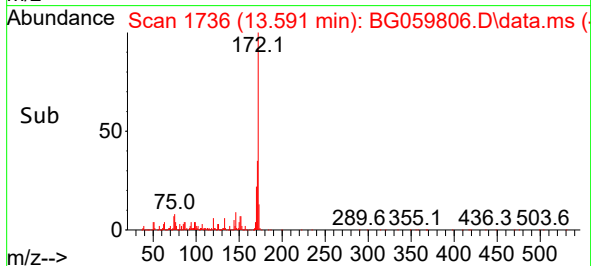
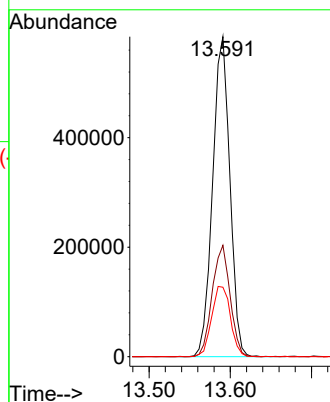
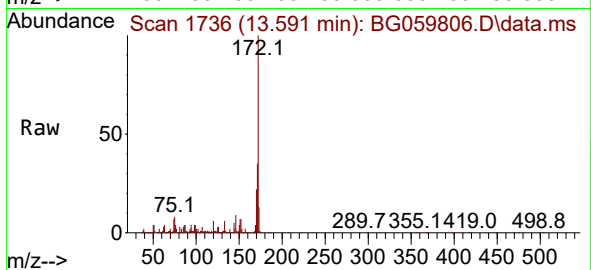
Tgt Ion:172 Resp: 860266

Ion Ratio Lower Upper

172 100

171 34.8 27.7 41.5

170 21.7 18.4 27.6



#51

2,6-Dinitrotoluene

Concen: 7.911 ng

RT: 14.972 min Scan# 1971

Delta R.T. 0.418 min

Lab File: BG059806.D

Acq: 22 Nov 2023 00:27

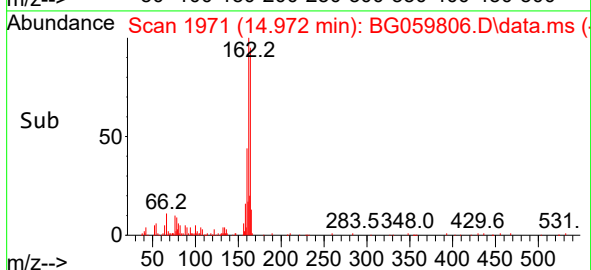
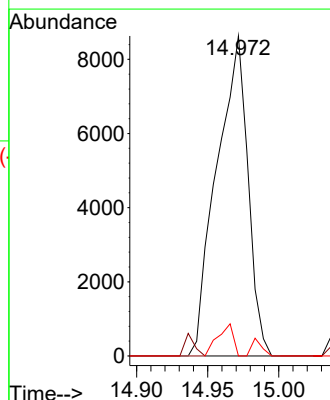
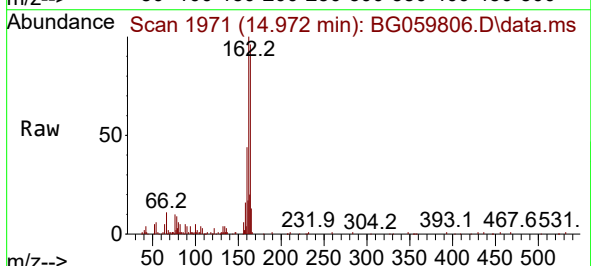
Tgt Ion:165 Resp: 13140

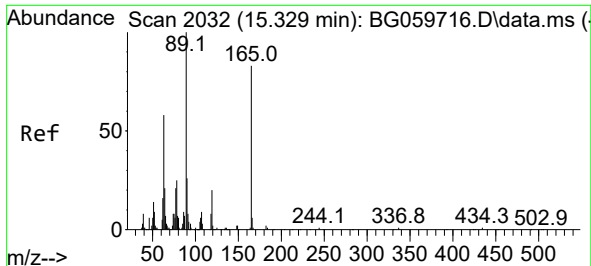
Ion Ratio Lower Upper

165 100

63 0.0 75.3 112.9#

89 0.0 90.9 136.3#





#57

2,4-Dinitrotoluene

Concen: 5.144 ng

RT: 14.972 min Scan# 1971

Delta R.T. -0.358 min

Lab File: BG059806.D

Acq: 22 Nov 2023 00:27

Instrument :

BNA_G

ClientSampleId :

WC-4

Tgt Ion:165 Resp: 13140

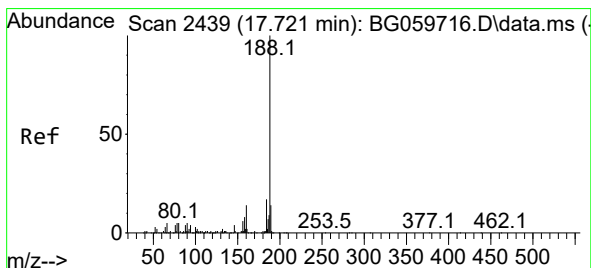
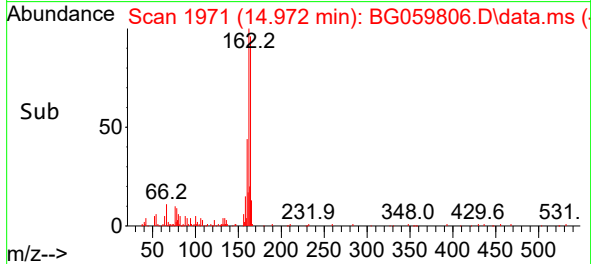
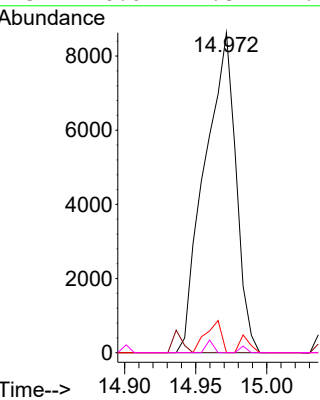
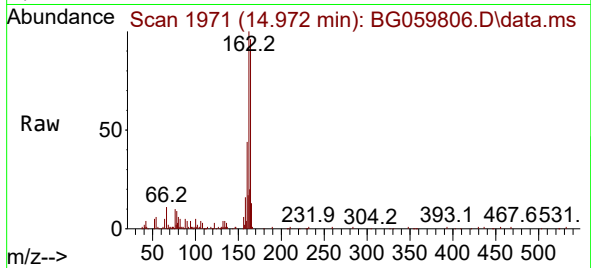
Ion Ratio Lower Upper

165 100

63 0.0 55.8 83.8#

89 0.0 96.9 145.3#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.715 min Scan# 2438

Delta R.T. -0.005 min

Lab File: BG059806.D

Acq: 22 Nov 2023 00:27

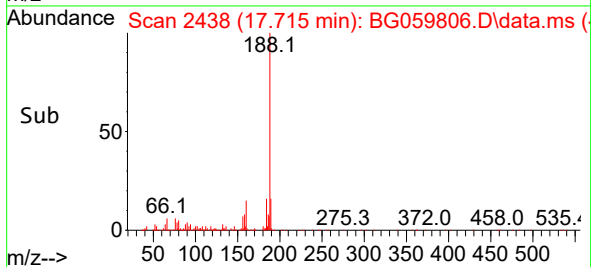
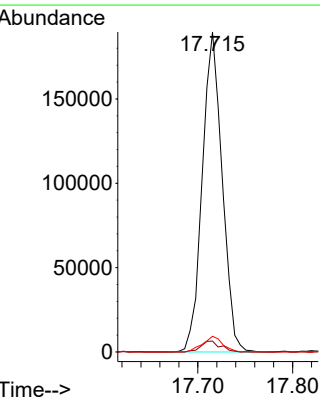
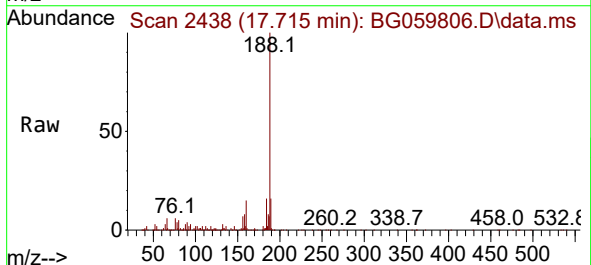
Tgt Ion:188 Resp: 275944

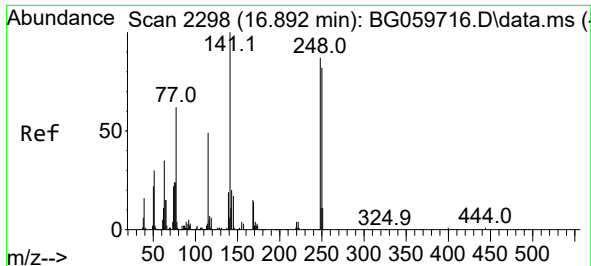
Ion Ratio Lower Upper

188 100

94 3.4 3.0 4.4

80 4.9 4.2 6.4

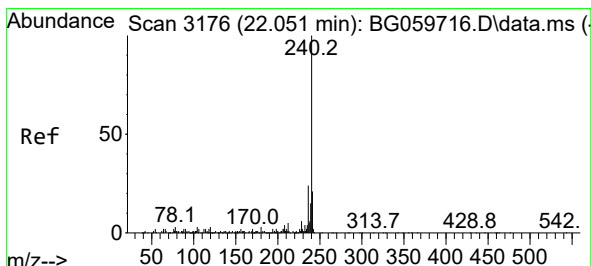
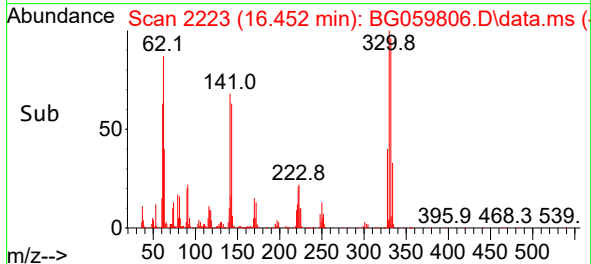
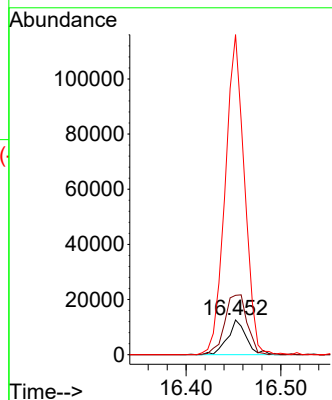
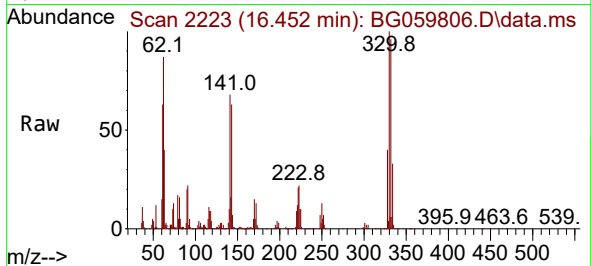




#67
4-Bromophenyl-phenylether
Concen: 5.814 ng
RT: 16.452 min Scan# 21
Delta R.T. -0.440 min
Lab File: BG059806.D
Acq: 22 Nov 2023 00:27

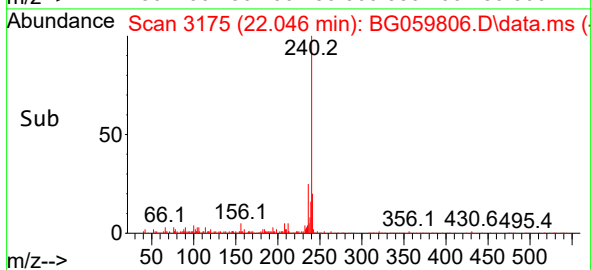
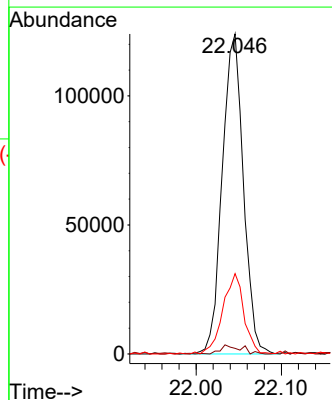
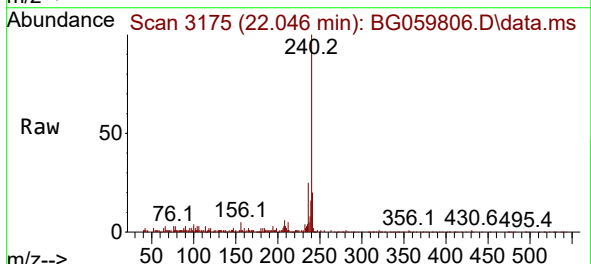
Instrument :
BNA_G
ClientSampleId :
WC-4

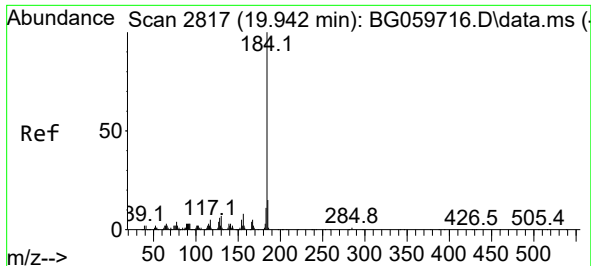
Tgt Ion:248 Resp: 17235
Ion Ratio Lower Upper
248 100
250 171.2 75.2 112.8#
141 922.7 91.5 137.3#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.046 min Scan# 3175
Delta R.T. -0.005 min
Lab File: BG059806.D
Acq: 22 Nov 2023 00:27

Tgt Ion:240 Resp: 213731
Ion Ratio Lower Upper
240 100
120 1.7 2.2 3.2#
236 25.1 19.4 29.2

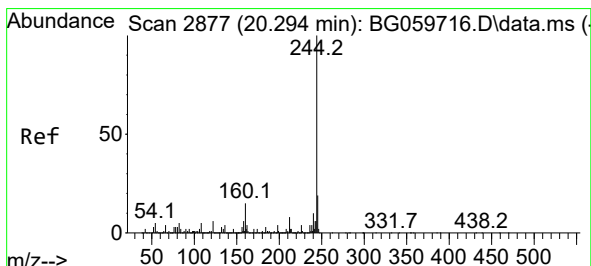
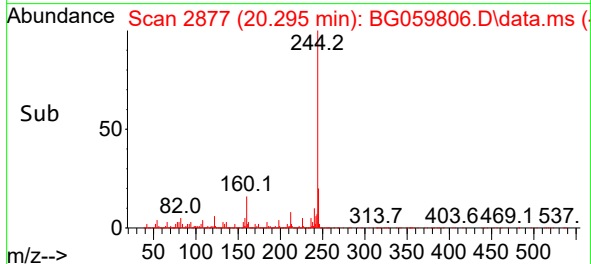
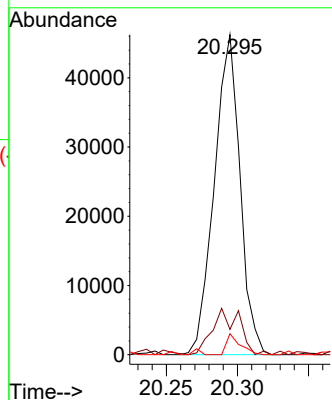
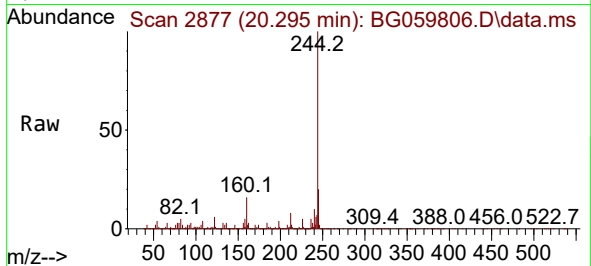




#77
Benzidine
Concen: 11.998 ng
RT: 20.295 min Scan# 2877
Delta R.T. 0.353 min
Lab File: BG059806.D
Acq: 22 Nov 2023 00:27

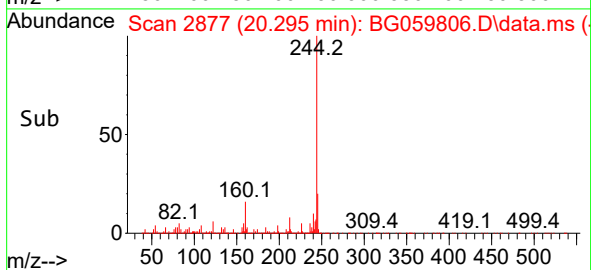
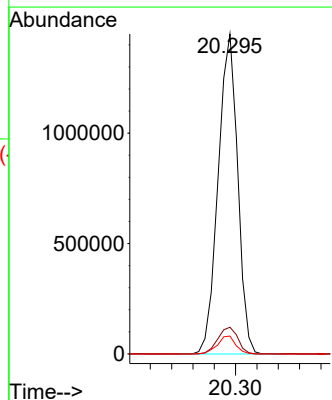
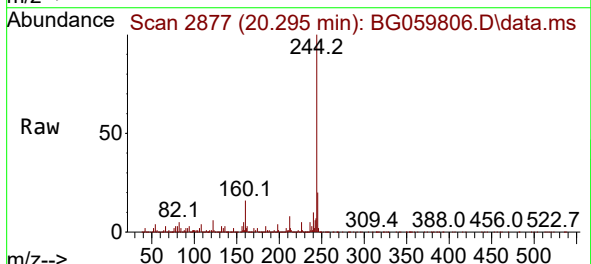
Instrument :
BNA_G
ClientSampleId :
WC-4

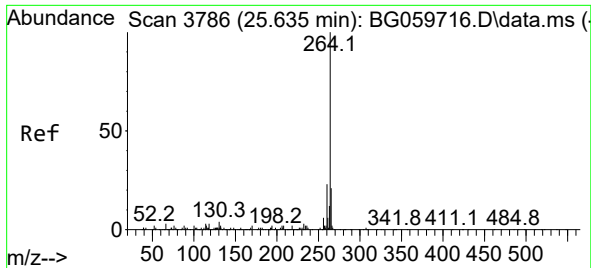
Tgt Ion:184 Resp: 58150
Ion Ratio Lower Upper
184 100
185 7.9 12.2 18.2#
183 6.6 8.8 13.2#



#79
Terphenyl-d14
Concen: 127.126 ng
RT: 20.295 min Scan# 2877
Delta R.T. 0.001 min
Lab File: BG059806.D
Acq: 22 Nov 2023 00:27

Tgt Ion:244 Resp: 1840527
Ion Ratio Lower Upper
244 100
212 8.4 6.6 10.0
122 5.6 4.4 6.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.624 min Scan# 31
 Delta R.T. -0.011 min
 Lab File: BG059806.D
 Acq: 22 Nov 2023 00:27

Instrument :
 BNA_G
 ClientSampleId :
 WC-4

Tgt Ion:264 Resp: 233913
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.5 27.7
 265 23.3 17.0 25.6

