

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112123\
 Data File : BG059809.D
 Acq On : 22 Nov 2023 2:30
 Operator : MA/JU
 Sample : 05380-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-8

Quant Time: Nov 22 03:08:04 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)

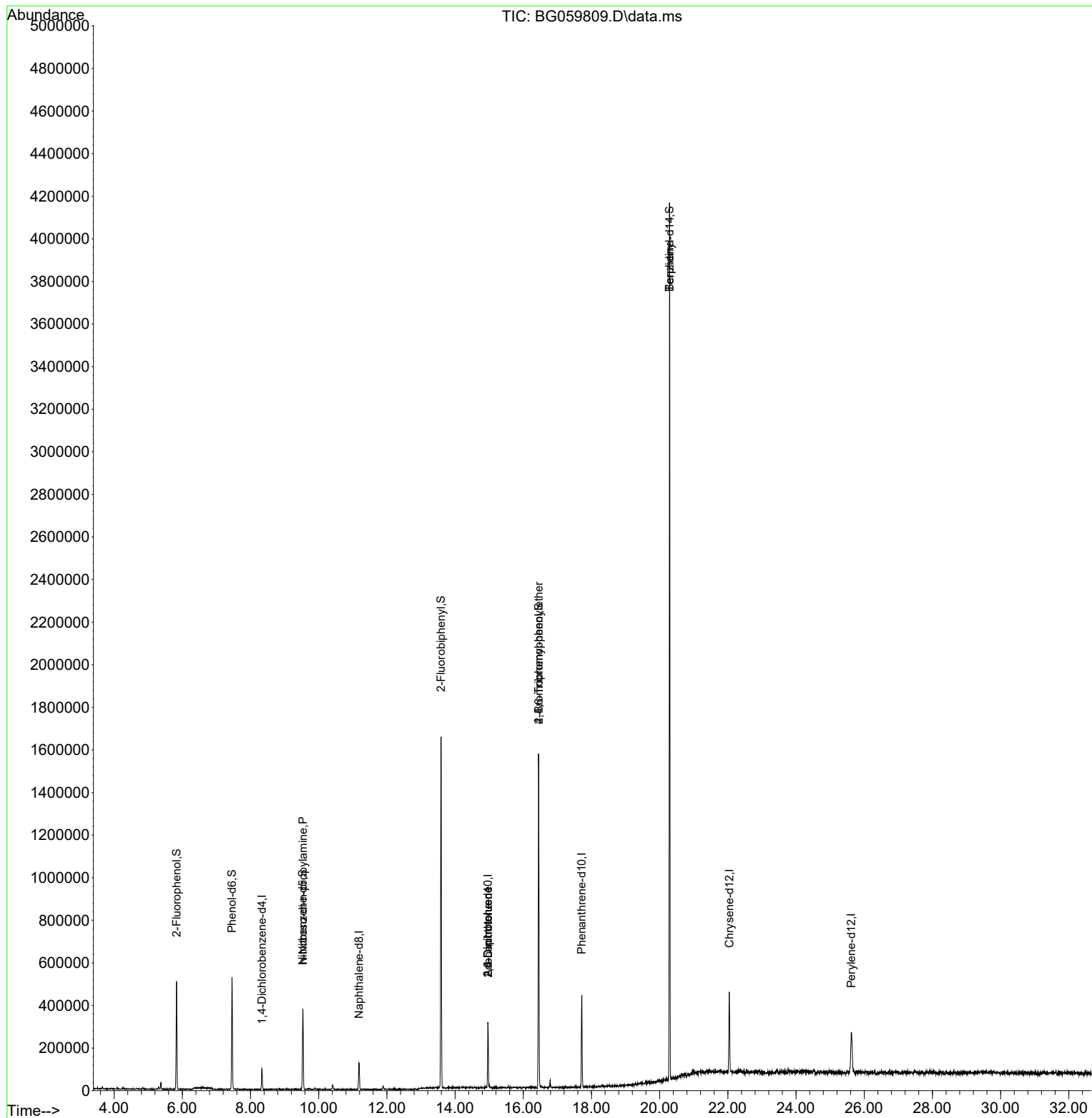
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.334	152	20874	20.000	ng	0.00
21) Naphthalene-d8	11.184	136	86992	20.000	ng	# 0.00
39) Acenaphthene-d10	14.962	164	96458	20.000	ng	0.00
64) Phenanthrene-d10	17.712	188	243064	20.000	ng	# 0.00
76) Chrysene-d12	22.042	240	207851	20.000	ng	# 0.00
86) Perylene-d12	25.620	264	233234	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.831	112	168249	135.665	ng	0.00
7) Phenol-d6	7.459	99	232406	126.457	ng	0.00
23) Nitrobenzene-d5	9.533	82	231308	101.551	ng	0.00
42) 2,4,6-Tribromophenol	16.454	330	214008	195.542	ng	0.00
45) 2-Fluorobiphenyl	13.587	172	717564	100.134	ng	0.00
79) Terphenyl-d14	20.291	244	1653102	117.410	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.539	70	38829	26.829	ng	# 85
51) 2,6-Dinitrotoluene	14.962	165	12864	9.072	ng	# 1
57) 2,4-Dinitrotoluene	14.962	165	12864	5.899	ng	# 3
67) 4-Bromophenyl-phenylether	16.454	248	15577	5.965	ng	# 1
77) Benzidine	20.291	184	47521	10.083	ng	# 84

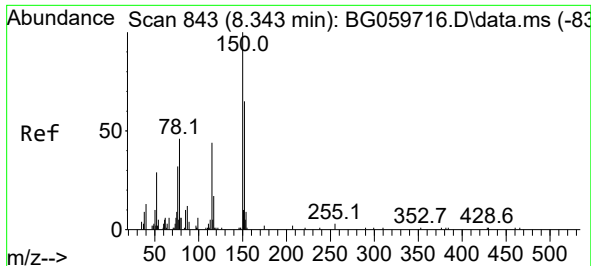
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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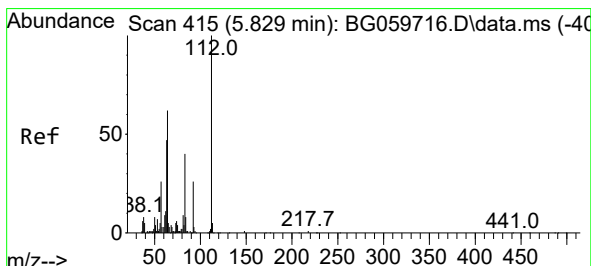
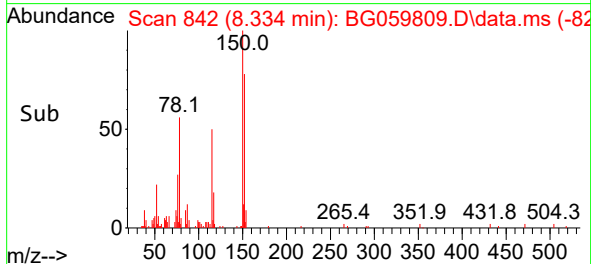
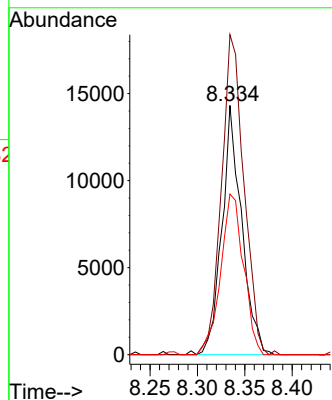
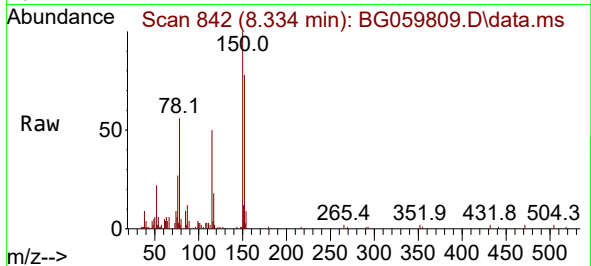




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.334 min Scan# 84
Delta R.T. -0.009 min
Lab File: BG059809.D
Acq: 22 Nov 2023 2:30

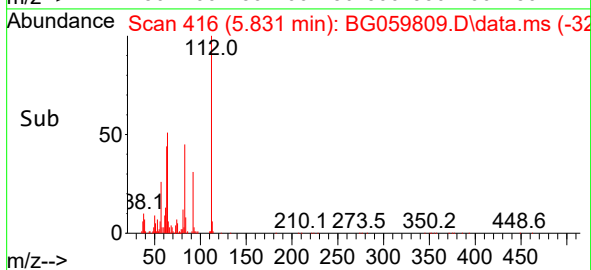
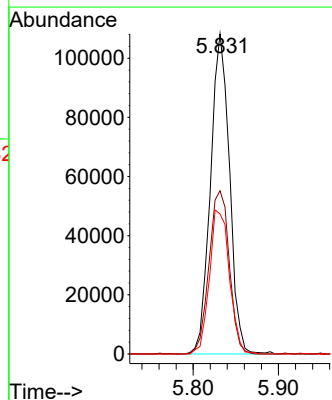
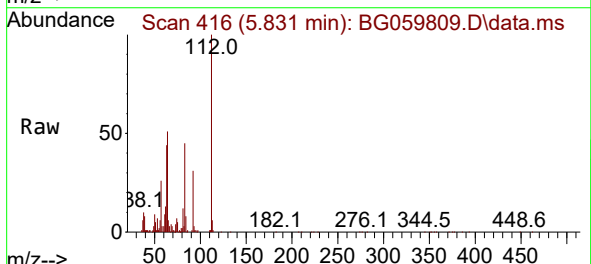
Instrument :
BNA_G
ClientSampleId :
WC-8

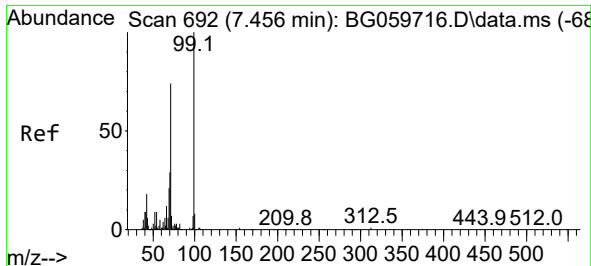
Tgt Ion:152 Resp: 20874
Ion Ratio Lower Upper
152 100
150 128.4 122.2 183.4
115 64.4 54.2 81.4



#5
2-Fluorophenol
Concen: 135.665 ng
RT: 5.831 min Scan# 416
Delta R.T. 0.003 min
Lab File: BG059809.D
Acq: 22 Nov 2023 2:30

Tgt Ion:112 Resp: 168249
Ion Ratio Lower Upper
112 100
64 51.0 49.5 74.3
63 43.7 37.4 56.2

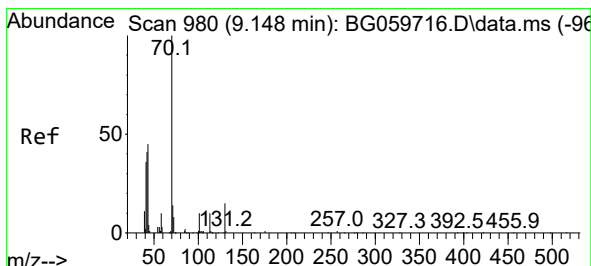
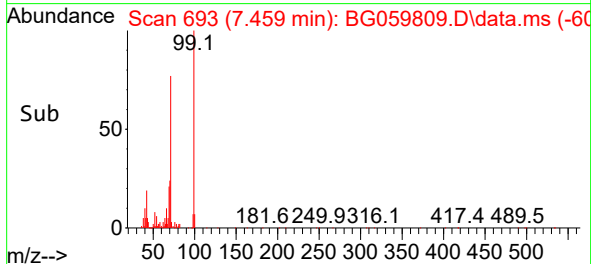
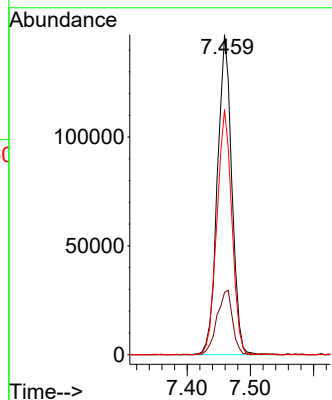
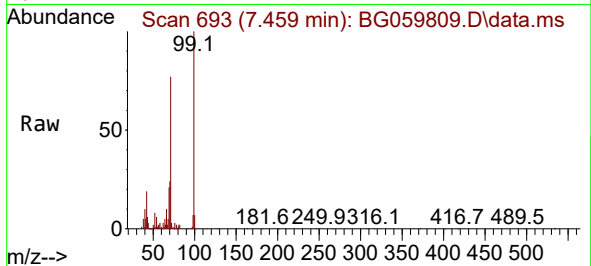




#7
Phenol-d6
Concen: 126.457 ng
RT: 7.459 min Scan# 61
Delta R.T. 0.003 min
Lab File: BG059809.D
Acq: 22 Nov 2023 2:30

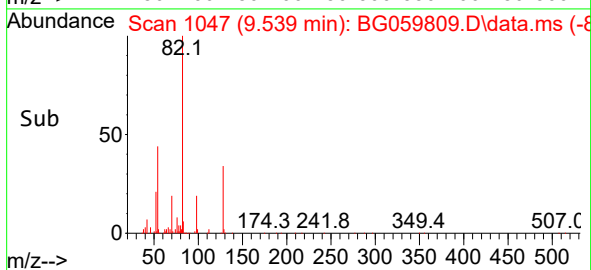
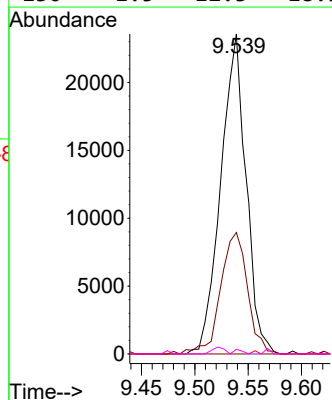
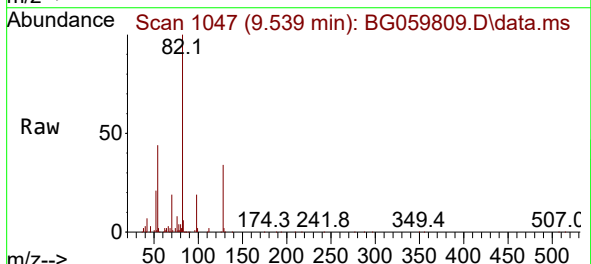
Instrument :
BNA_G
ClientSampleId :
WC-8

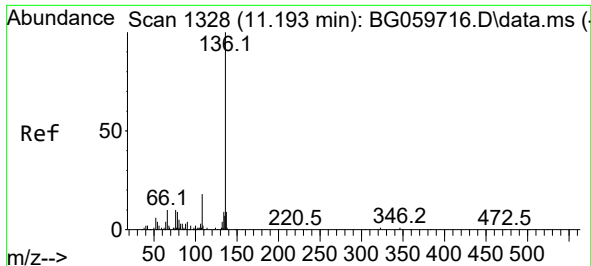
Tgt Ion: 99 Resp: 232406
Ion Ratio Lower Upper
99 100
42 19.5 14.3 21.5
71 76.6 59.3 88.9



#19
n-Nitroso-di-n-propylamine
Concen: 26.829 ng
RT: 9.539 min Scan# 1047
Delta R.T. 0.391 min
Lab File: BG059809.D
Acq: 22 Nov 2023 2:30

Tgt Ion: 70 Resp: 38829
Ion Ratio Lower Upper
70 100
42 38.0 32.8 49.2
101 0.0 7.7 11.5#
130 1.5 12.3 18.5#

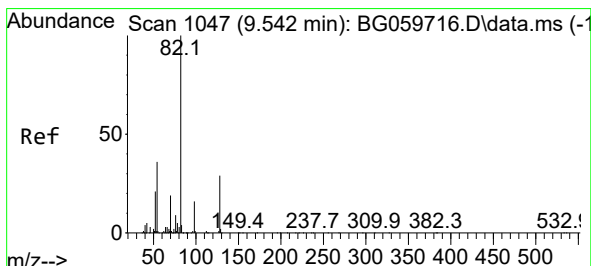
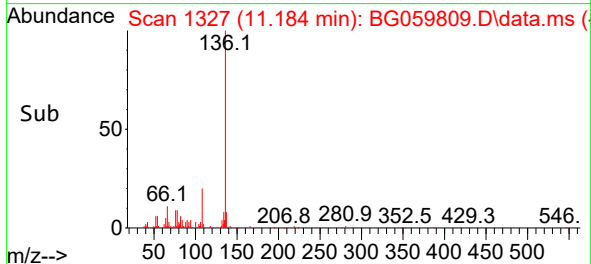
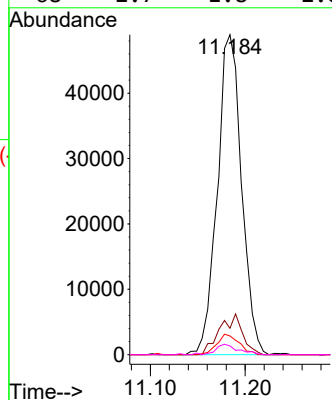
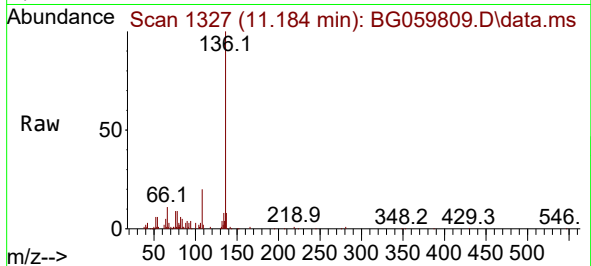




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.184 min Scan# 111
Delta R.T. -0.009 min
Lab File: BG059809.D
Acq: 22 Nov 2023 2:30

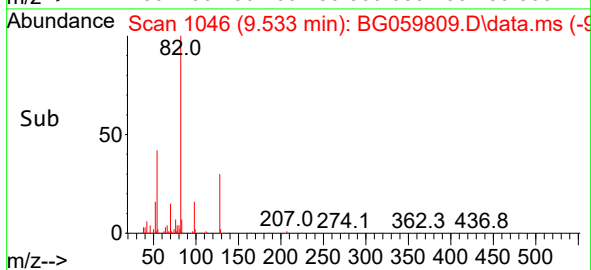
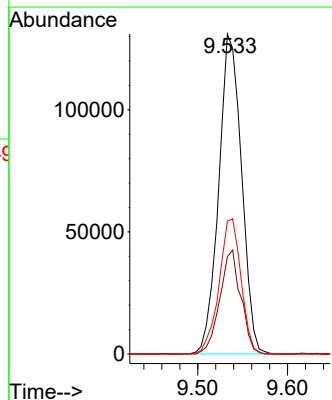
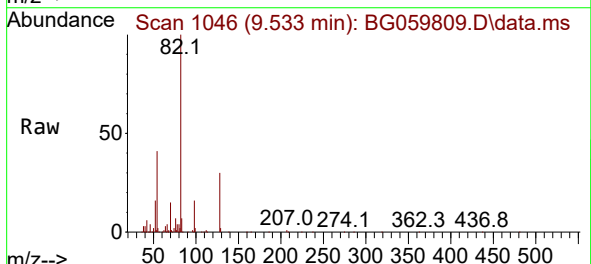
Instrument :
BNA_G
ClientSampleId :
WC-8

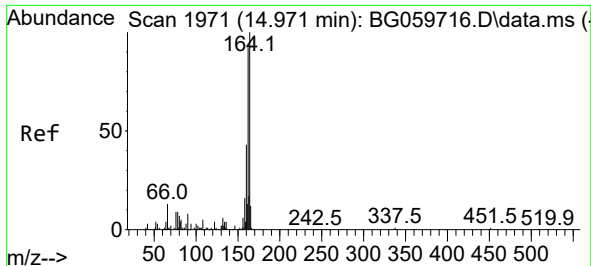
Tgt Ion:136	Resp:	86992
Ion Ratio	Lower	Upper
136	100	
137	8.2	7.4 11.0
54	5.9	3.1 4.7#
68	2.7	1.8 2.8



#23
Nitrobenzene-d5
Concen: 101.551 ng
RT: 9.533 min Scan# 1046
Delta R.T. -0.009 min
Lab File: BG059809.D
Acq: 22 Nov 2023 2:30

Tgt Ion: 82	Resp:	231308
Ion Ratio	Lower	Upper
82	100	
128	30.4	23.0 34.6
54	41.5	28.7 43.1

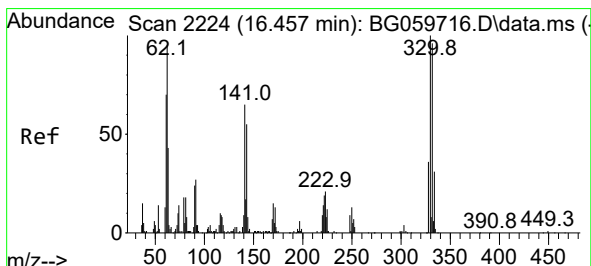
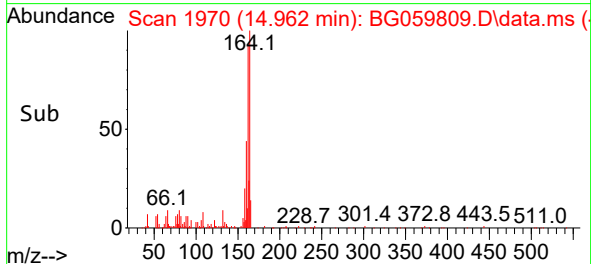
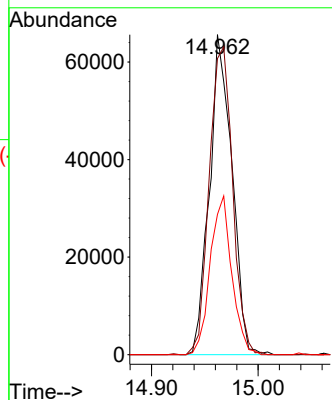
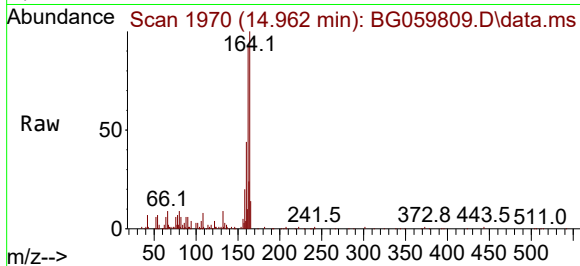




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.962 min Scan# 1970
Delta R.T. -0.009 min
Lab File: BG059809.D
Acq: 22 Nov 2023 2:30

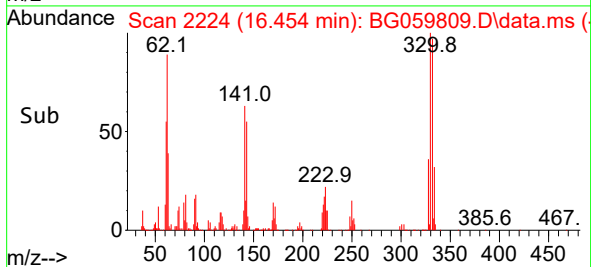
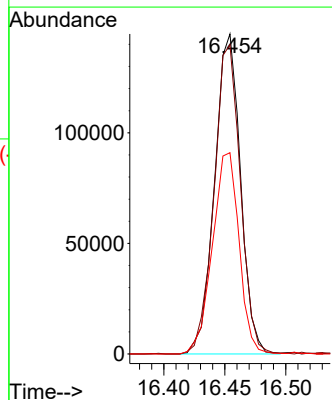
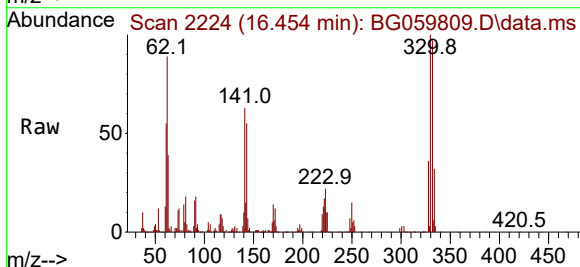
Instrument :
BNA_G
ClientSampleId :
WC-8

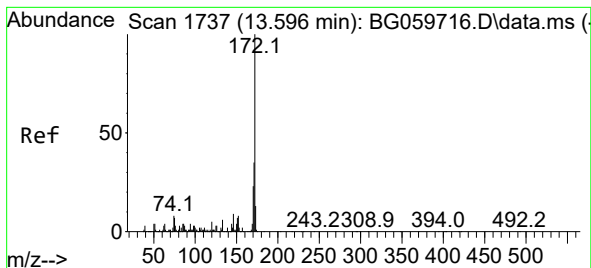
Tgt Ion:164 Resp: 96458
Ion Ratio Lower Upper
164 100
162 92.6 73.3 109.9
160 43.8 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 195.542 ng
RT: 16.454 min Scan# 2224
Delta R.T. -0.003 min
Lab File: BG059809.D
Acq: 22 Nov 2023 2:30

Tgt Ion:330 Resp: 214008
Ion Ratio Lower Upper
330 100
332 98.1 73.3 109.9
141 64.7 52.1 78.1





#45

2-Fluorobiphenyl

Concen: 100.134 ng

RT: 13.587 min Scan# 1

Delta R.T. -0.009 min

Lab File: BG059809.D

Acq: 22 Nov 2023 2:30

Instrument :

BNA_G

ClientSampleId :

WC-8

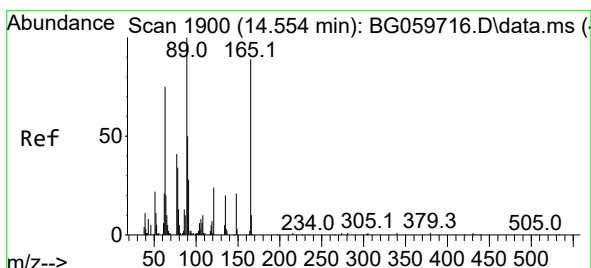
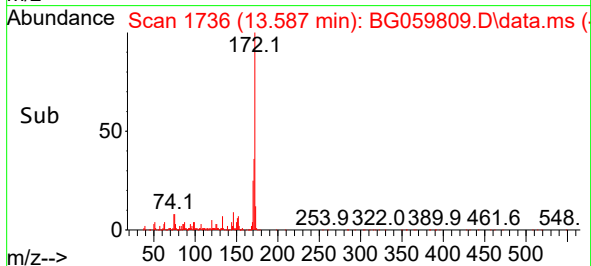
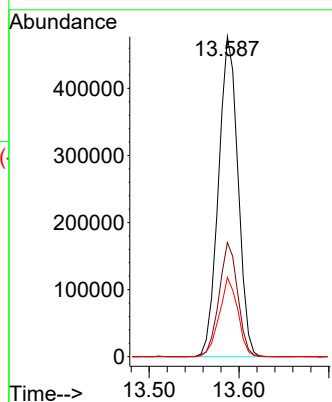
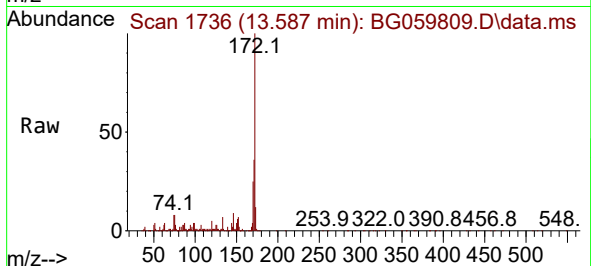
Tgt Ion:172 Resp: 717564

Ion Ratio Lower Upper

172 100

171 35.7 27.7 41.5

170 24.8 18.4 27.6



#51

2,6-Dinitrotoluene

Concen: 9.072 ng

RT: 14.962 min Scan# 1970

Delta R.T. 0.408 min

Lab File: BG059809.D

Acq: 22 Nov 2023 2:30

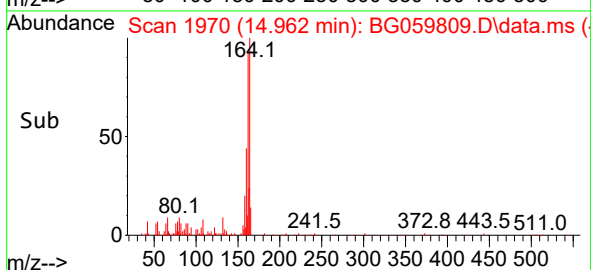
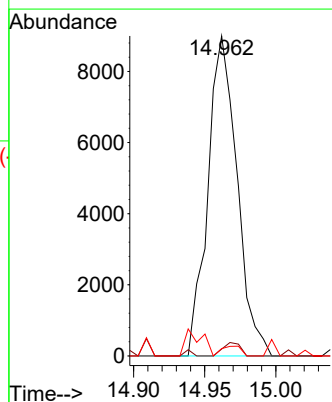
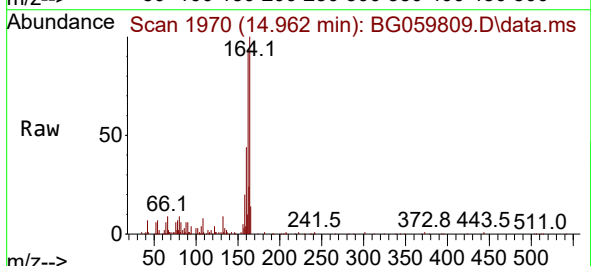
Tgt Ion:165 Resp: 12864

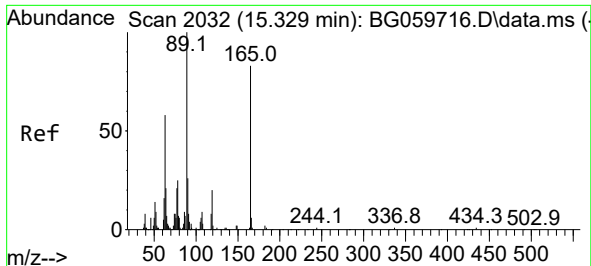
Ion Ratio Lower Upper

165 100

63 2.2 75.3 112.9#

89 2.3 90.9 136.3#





#57

2,4-Dinitrotoluene

Concen: 5.899 ng

RT: 14.962 min Scan# 1970

Delta R.T. -0.367 min

Lab File: BG059809.D

Acq: 22 Nov 2023 2:30

Instrument :

BNA_G

ClientSampleId :

WC-8

Tgt Ion:165 Resp: 12864

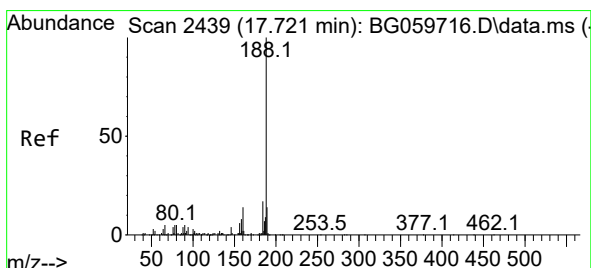
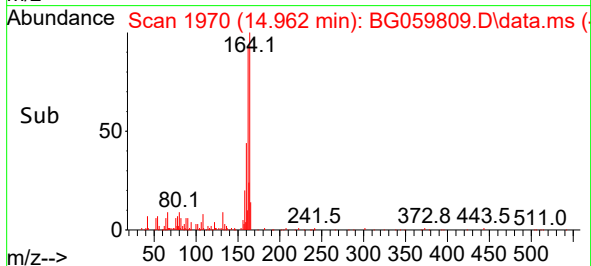
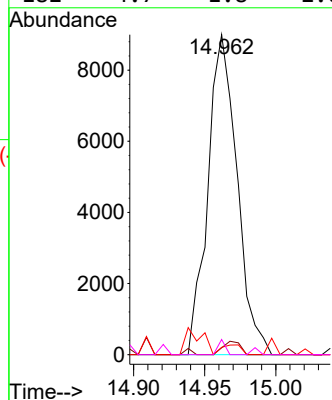
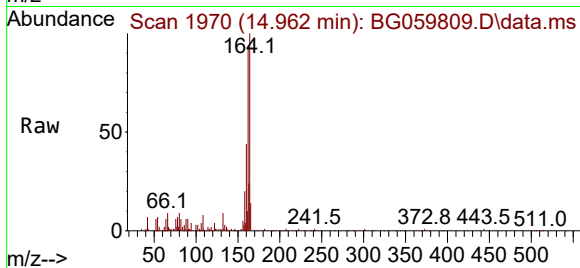
Ion Ratio Lower Upper

165 100

63 2.2 55.8 83.8#

89 2.3 96.9 145.3#

182 4.7 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.712 min Scan# 2438

Delta R.T. -0.009 min

Lab File: BG059809.D

Acq: 22 Nov 2023 2:30

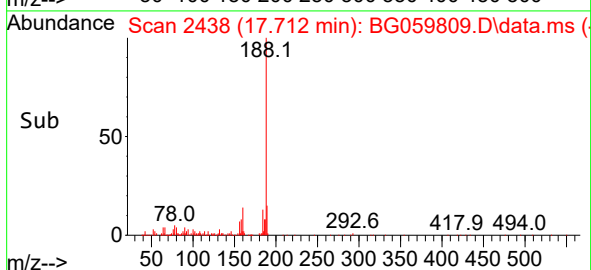
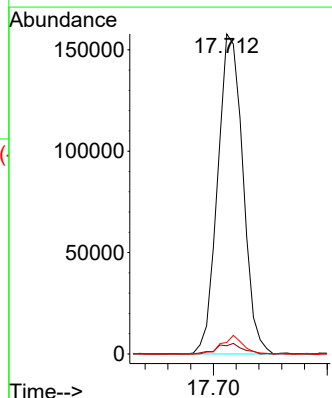
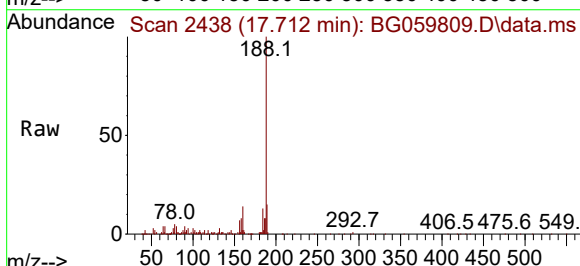
Tgt Ion:188 Resp: 243064

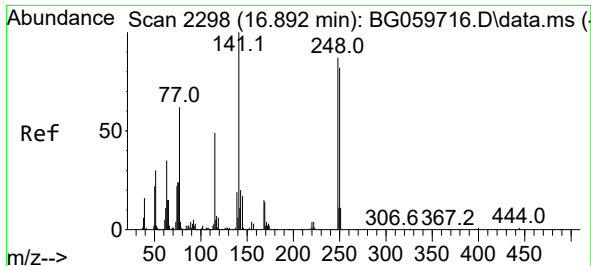
Ion Ratio Lower Upper

188 100

94 2.5 3.0 4.4#

80 3.6 4.2 6.4#

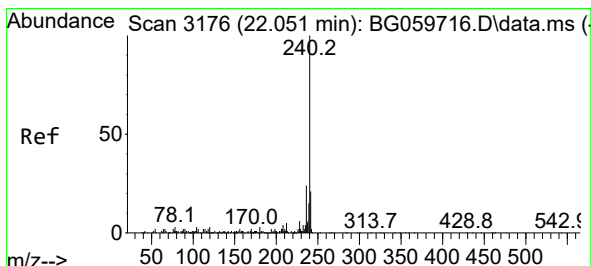
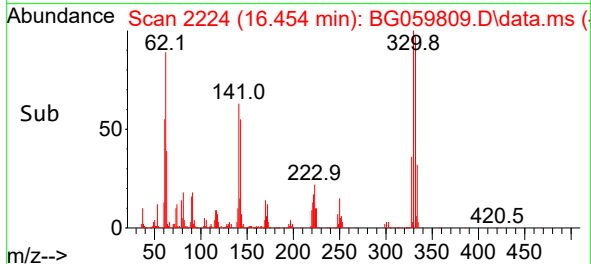
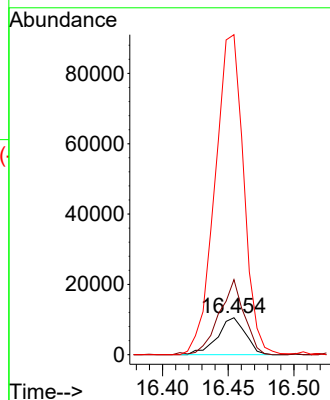
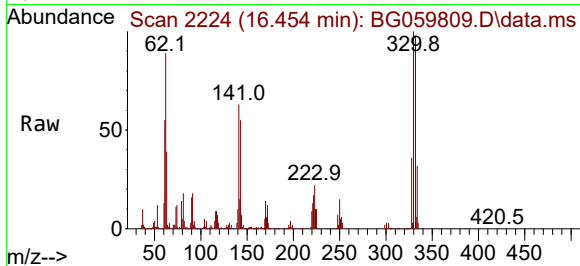




#67
4-Bromophenyl-phenylether
Concen: 5.965 ng
RT: 16.454 min Scan# 21
Delta R.T. -0.438 min
Lab File: BG059809.D
Acq: 22 Nov 2023 2:30

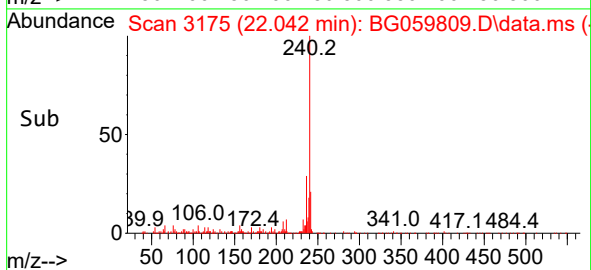
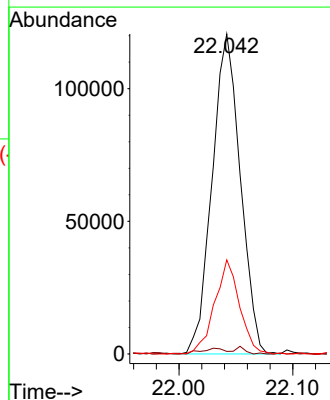
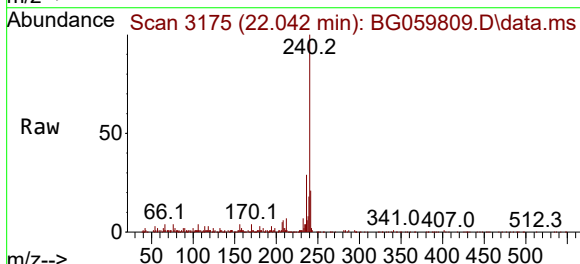
Instrument :
BNA_G
ClientSampleId :
WC-8

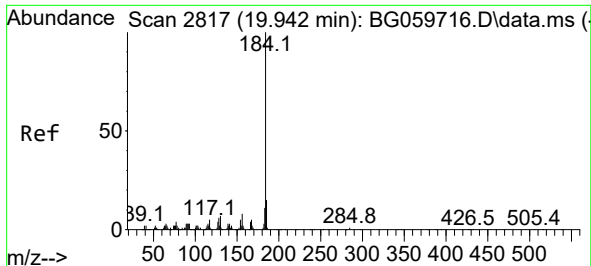
Tgt Ion:248 Resp: 15577
Ion Ratio Lower Upper
248 100
250 202.8 75.2 112.8#
141 865.2 91.5 137.3#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.042 min Scan# 3175
Delta R.T. -0.009 min
Lab File: BG059809.D
Acq: 22 Nov 2023 2:30

Tgt Ion:240 Resp: 207851
Ion Ratio Lower Upper
240 100
120 1.4 2.2 3.2#
236 29.4 19.4 29.2#

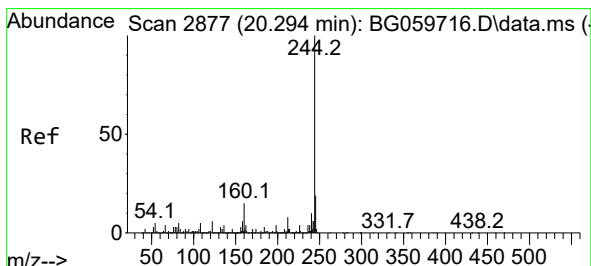
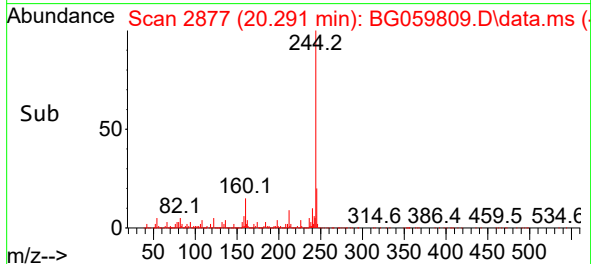
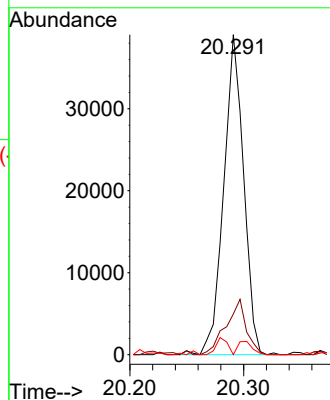
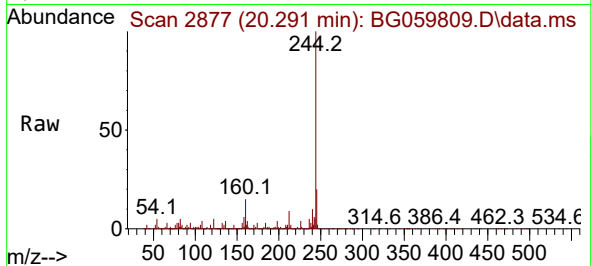




#77
Benzidine
Concen: 10.083 ng
RT: 20.291 min Scan# 2877
Delta R.T. 0.349 min
Lab File: BG059809.D
Acq: 22 Nov 2023 2:30

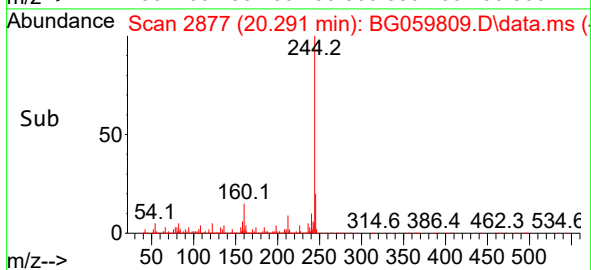
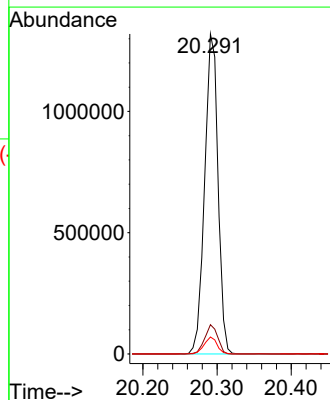
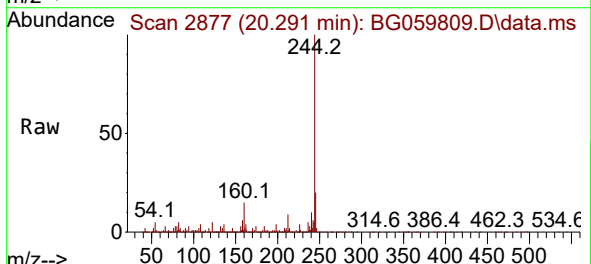
Instrument :
BNA_G
ClientSampleId :
WC-8

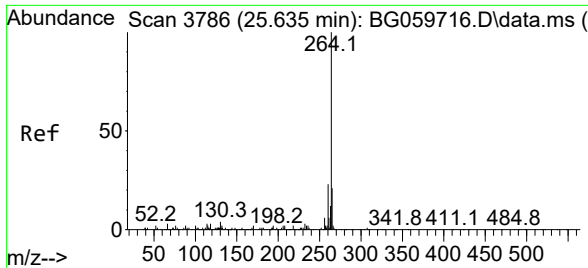
Tgt Ion:184 Resp: 47521
Ion Ratio Lower Upper
184 100
185 12.7 12.2 18.2
183 0.0 8.8 13.2#



#79
Terphenyl-d14
Concen: 117.410 ng
RT: 20.291 min Scan# 2877
Delta R.T. -0.003 min
Lab File: BG059809.D
Acq: 22 Nov 2023 2:30

Tgt Ion:244 Resp: 1653102
Ion Ratio Lower Upper
244 100
212 9.2 6.6 10.0
122 5.3 4.4 6.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.620 min Scan# 31
Delta R.T. -0.015 min
Lab File: BG059809.D
Acq: 22 Nov 2023 2:30

Instrument :
BNA_G
ClientSampleId :
WC-8

Tgt Ion:264 Resp: 233234
Ion Ratio Lower Upper
264 100
260 23.0 18.5 27.7
265 19.2 17.0 25.6

