

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112123\
 Data File : BG059808.D
 Acq On : 22 Nov 2023 1:49
 Operator : MA/JU
 Sample : 05388-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-4

Quant Time: Nov 22 02:24:35 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)

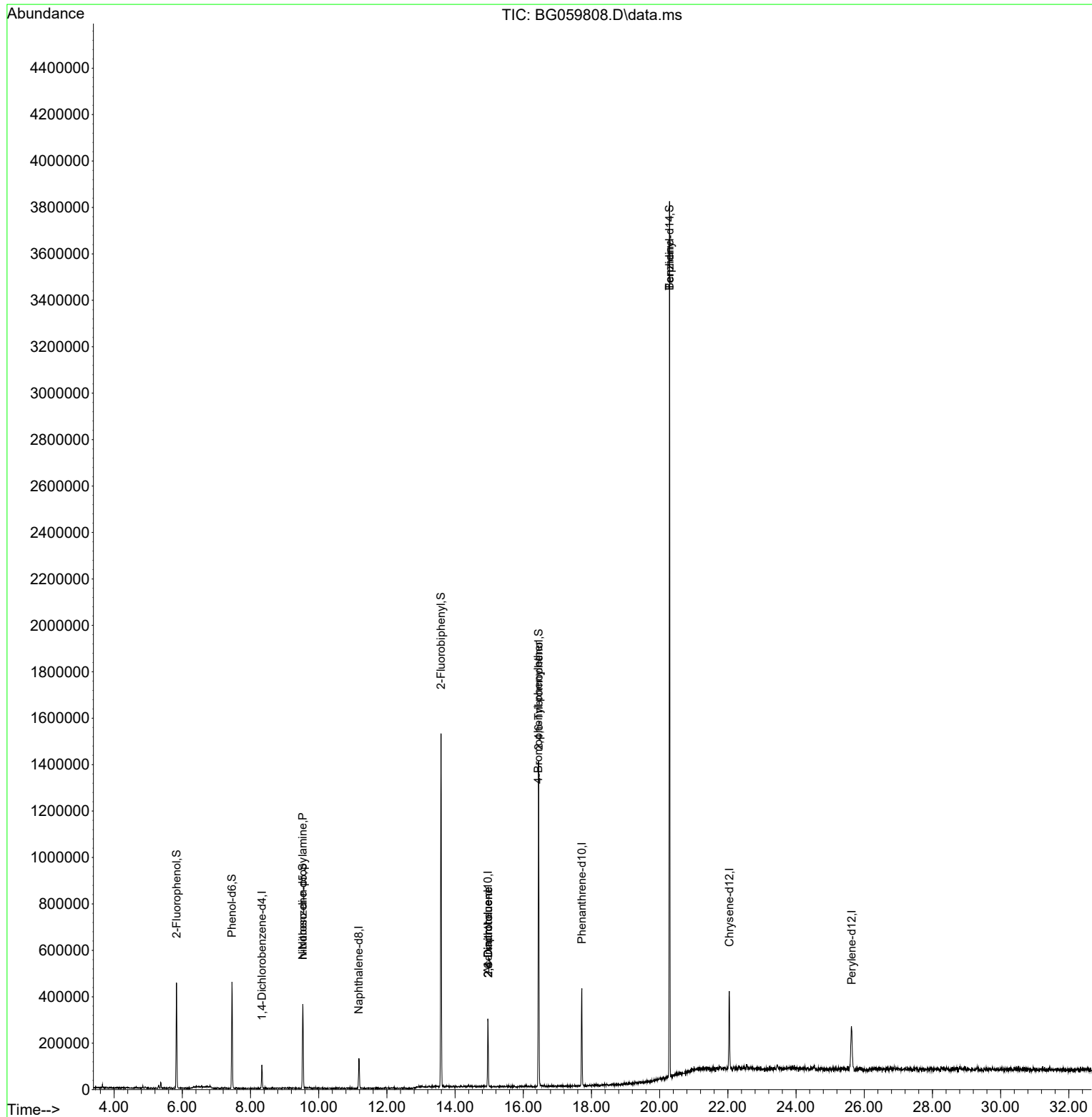
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.335	152	19749	20.000	ng	# 0.00
21) Naphthalene-d8	11.179	136	92833	20.000	ng	#-0.01
39) Acenaphthene-d10	14.963	164	94318	20.000	ng	0.00
64) Phenanthrene-d10	17.718	188	233402	20.000	ng	0.00
76) Chrysene-d12	22.043	240	201493	20.000	ng	# 0.00
86) Perylene-d12	25.633	264	222090	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.832	112	155104	132.190	ng	0.00
7) Phenol-d6	7.460	99	199095	114.503	ng	0.00
23) Nitrobenzene-d5	9.534	82	227184	93.465	ng	0.00
42) 2,4,6-Tribromophenol	16.455	330	193955	181.240	ng	0.00
45) 2-Fluorobiphenyl	13.588	172	665696	95.004	ng	0.00
79) Terphenyl-d14	20.292	244	1488537	109.058	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.534	70	38126	27.844	ng	# 86
51) 2,6-Dinitrotoluene	14.969	165	12408	8.949	ng	# 4
57) 2,4-Dinitrotoluene	14.969	165	12408	5.819	ng	# 7
67) 4-Bromophenyl-phenylether	16.443	248	13972	5.572	ng	# 1
77) Benzidine	20.292	184	45894	10.045	ng	# 90

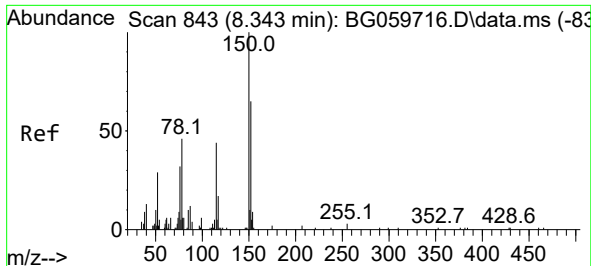
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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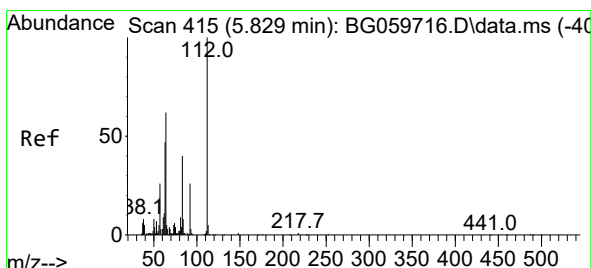
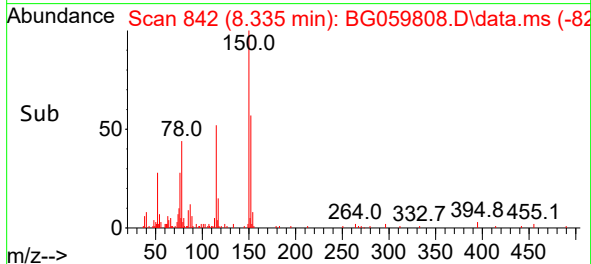
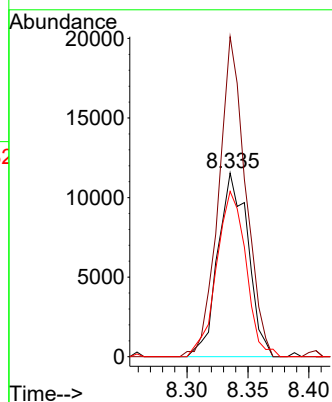
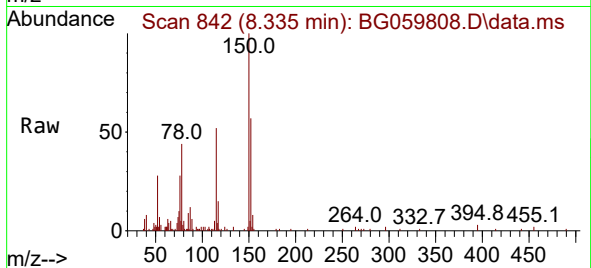




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.335 min Scan# 84
Delta R.T. -0.008 min
Lab File: BG059808.D
Acq: 22 Nov 2023 1:49

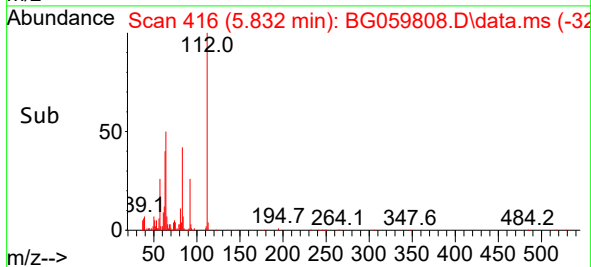
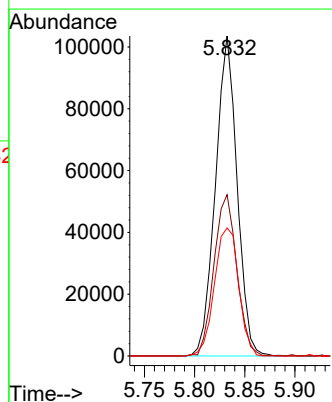
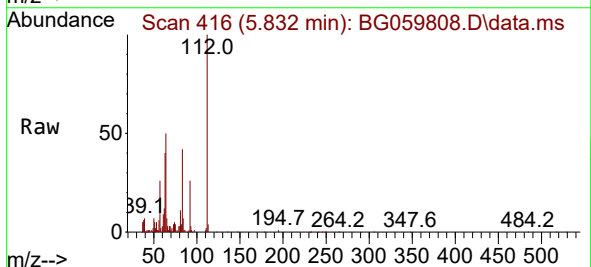
Instrument :
BNA_G
ClientSampleId :
TP-4

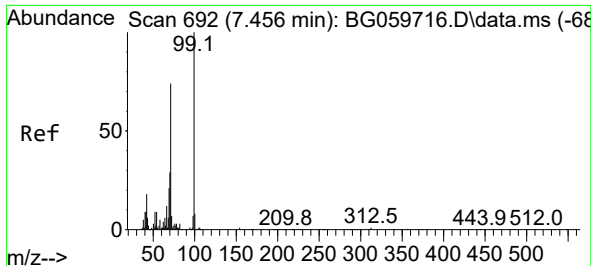
Tgt Ion:152 Resp: 19749
Ion Ratio Lower Upper
152 100
150 174.3 122.2 183.4
115 90.0 54.2 81.4#



#5
2-Fluorophenol
Concen: 132.190 ng
RT: 5.832 min Scan# 416
Delta R.T. 0.004 min
Lab File: BG059808.D
Acq: 22 Nov 2023 1:49

Tgt Ion:112 Resp: 155104
Ion Ratio Lower Upper
112 100
64 50.4 49.5 74.3
63 40.0 37.4 56.2

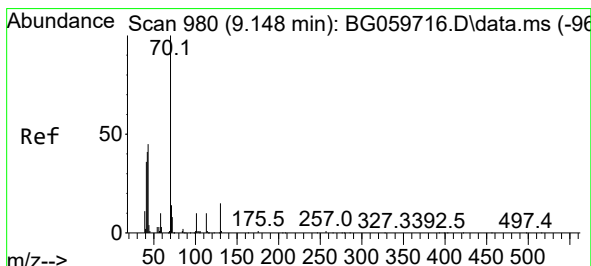
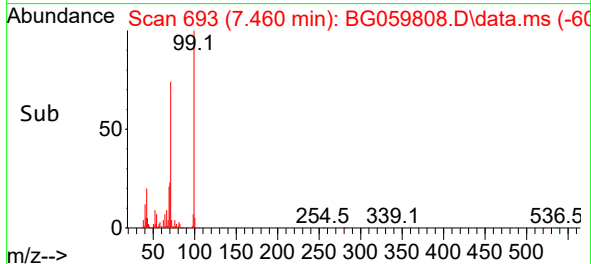
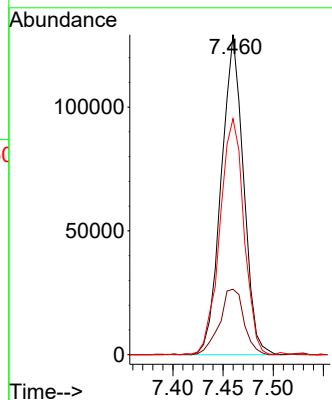
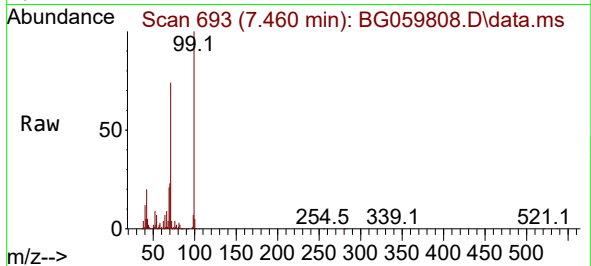




#7
Phenol-d6
Concen: 114.503 ng
RT: 7.460 min Scan# 61
Delta R.T. 0.004 min
Lab File: BG059808.D
Acq: 22 Nov 2023 1:49

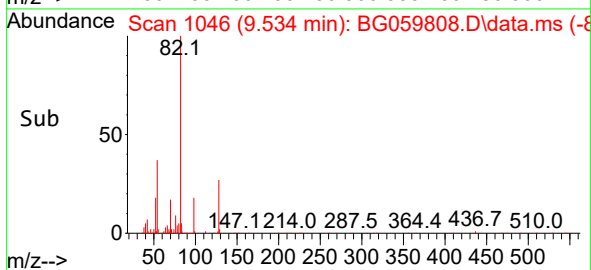
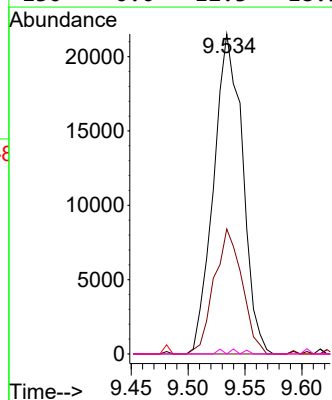
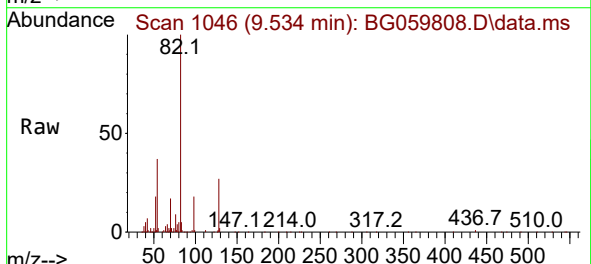
Instrument :
BNA_G
ClientSampleId :
TP-4

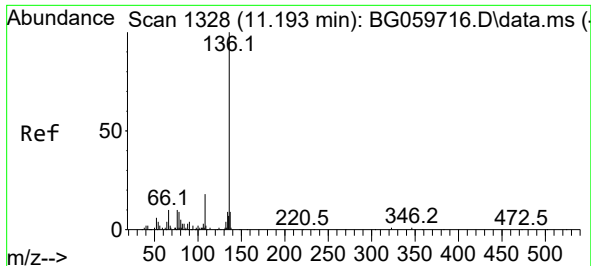
Tgt Ion: 99 Resp: 199095
Ion Ratio Lower Upper
99 100
42 20.5 14.3 21.5
71 73.8 59.3 88.9



#19
n-Nitroso-di-n-propylamine
Concen: 27.844 ng
RT: 9.534 min Scan# 1046
Delta R.T. 0.386 min
Lab File: BG059808.D
Acq: 22 Nov 2023 1:49

Tgt Ion: 70 Resp: 38126
Ion Ratio Lower Upper
70 100
42 39.1 32.8 49.2
101 0.0 7.7 11.5#
130 0.0 12.3 18.5#

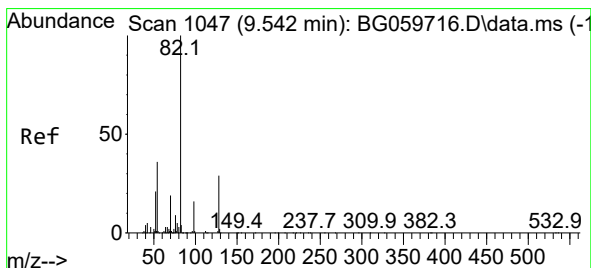
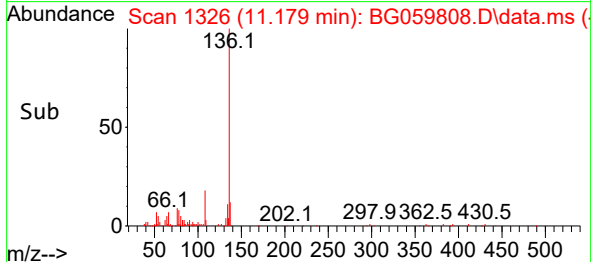
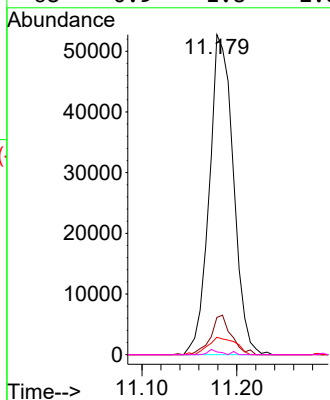
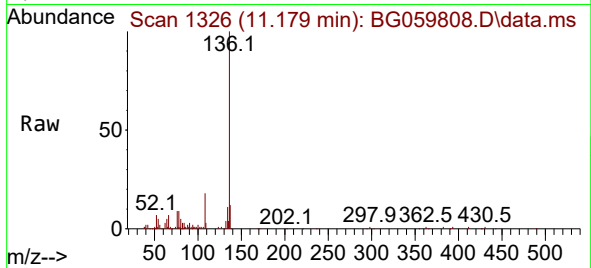




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.179 min Scan# 11
Delta R.T. -0.014 min
Lab File: BG059808.D
Acq: 22 Nov 2023 1:49

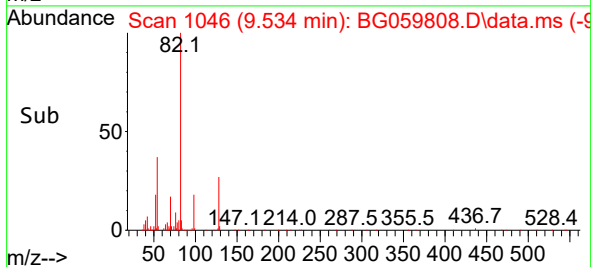
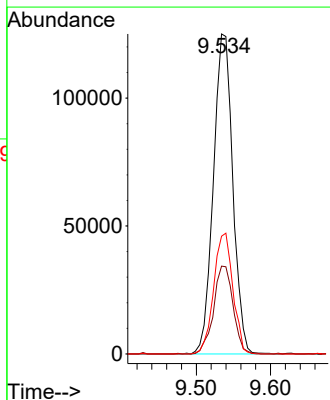
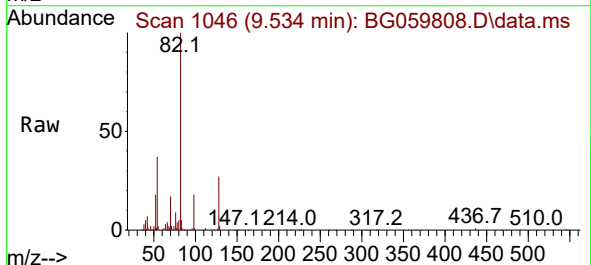
Instrument :
BNA_G
ClientSampleId :
TP-4

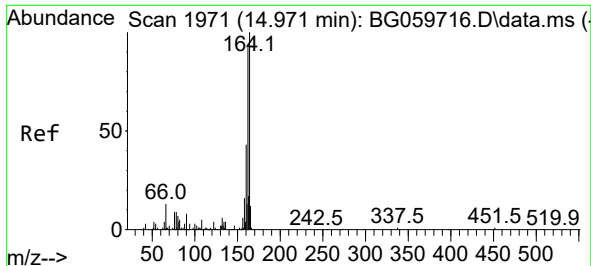
Tgt Ion:	136	Resp:	92833
Ion Ratio	Lower	Upper	
136	100		
137	11.6	7.4	11.0#
54	5.5	3.1	4.7#
68	0.9	1.8	2.8#



#23
Nitrobenzene-d5
Concen: 93.465 ng
RT: 9.534 min Scan# 1046
Delta R.T. -0.008 min
Lab File: BG059808.D
Acq: 22 Nov 2023 1:49

Tgt Ion:	82	Resp:	227184
Ion Ratio	Lower	Upper	
82	100		
128	27.5	23.0	34.6
54	36.8	28.7	43.1

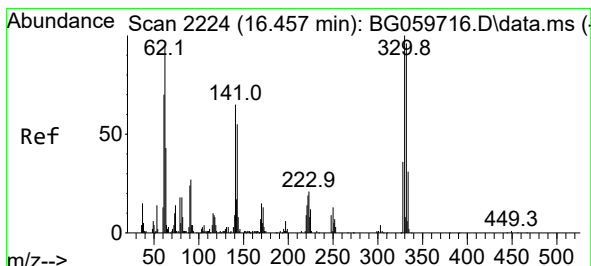
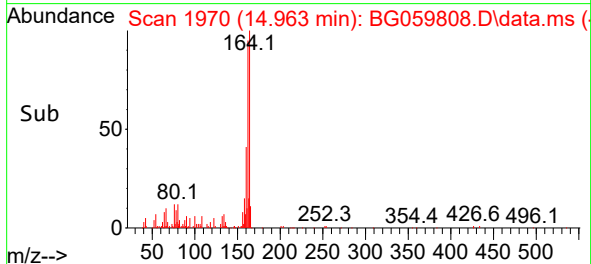
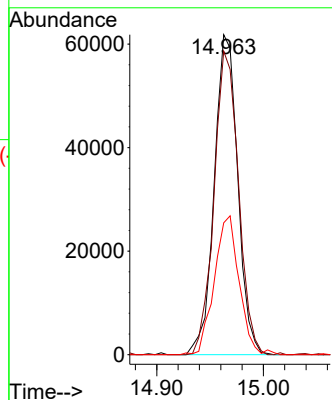
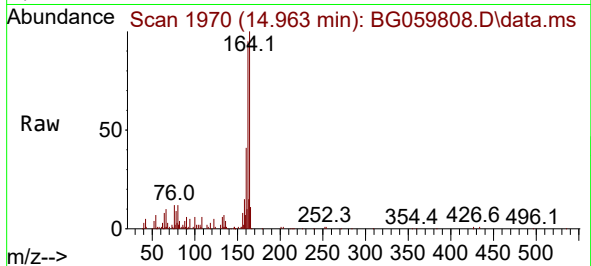




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.963 min Scan# 1970
Delta R.T. -0.008 min
Lab File: BG059808.D
Acq: 22 Nov 2023 1:49

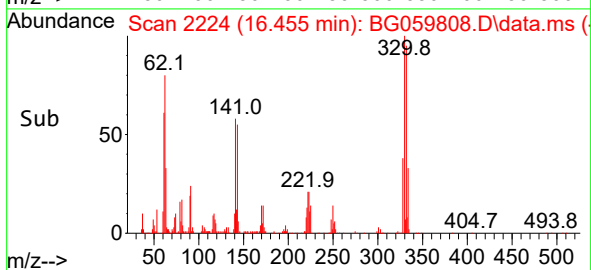
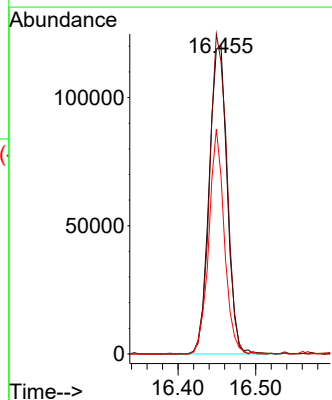
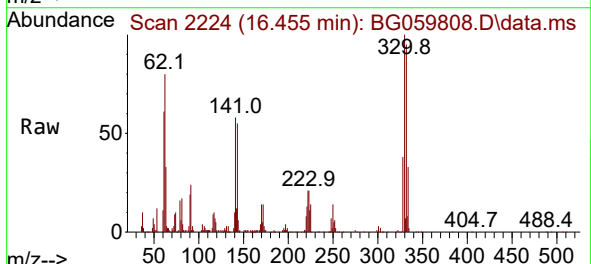
Instrument :
BNA_G
ClientSampleId :
TP-4

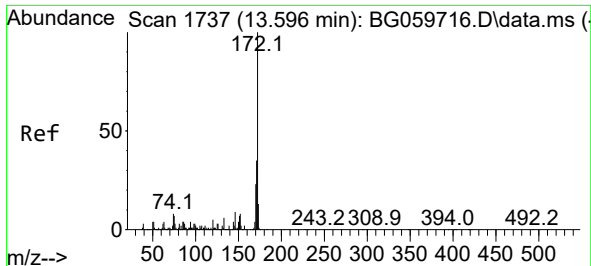
Tgt Ion:164 Resp: 94318
Ion Ratio Lower Upper
164 100
162 94.9 73.3 109.9
160 41.2 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 181.240 ng
RT: 16.455 min Scan# 2224
Delta R.T. -0.002 min
Lab File: BG059808.D
Acq: 22 Nov 2023 1:49

Tgt Ion:330 Resp: 193955
Ion Ratio Lower Upper
330 100
332 99.4 73.3 109.9
141 62.6 52.1 78.1

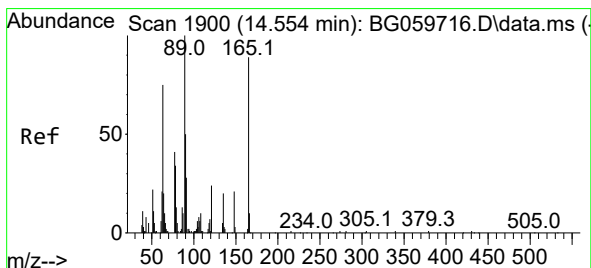
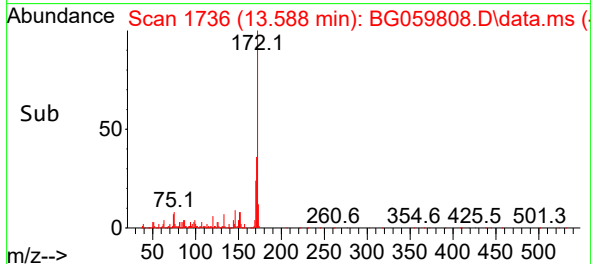
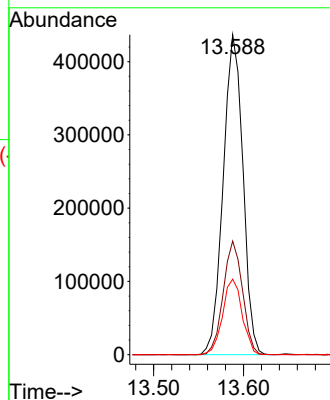
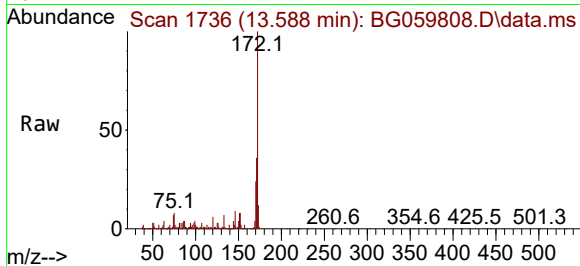




#45
2-Fluorobiphenyl
Concen: 95.004 ng
RT: 13.588 min Scan# 1736
Delta R.T. -0.008 min
Lab File: BG059808.D
Acq: 22 Nov 2023 1:49

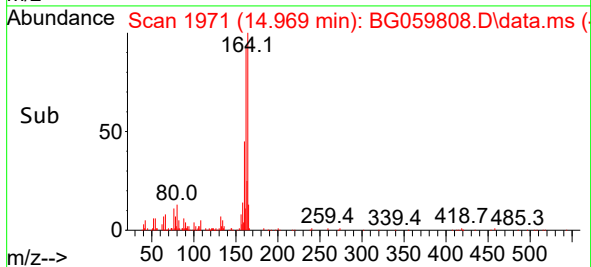
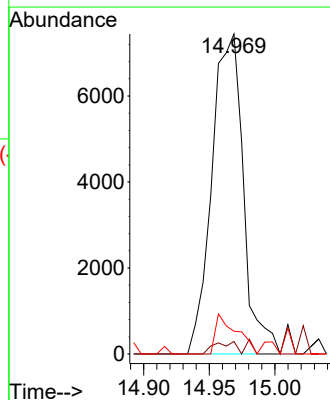
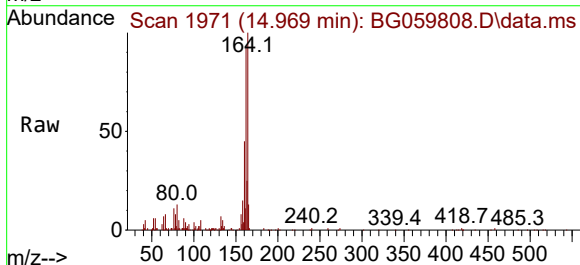
Instrument :
BNA_G
ClientSampleId :
TP-4

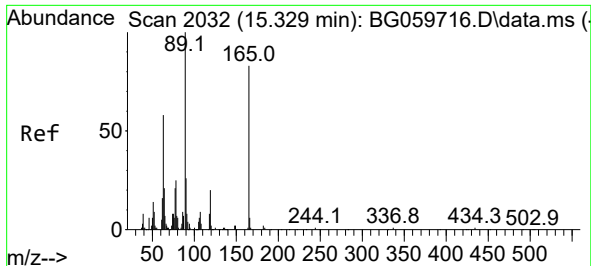
Tgt Ion:172 Resp: 665696
Ion Ratio Lower Upper
172 100
171 35.5 27.7 41.5
170 23.6 18.4 27.6



#51
2,6-Dinitrotoluene
Concen: 8.949 ng
RT: 14.969 min Scan# 1971
Delta R.T. 0.415 min
Lab File: BG059808.D
Acq: 22 Nov 2023 1:49

Tgt Ion:165 Resp: 12408
Ion Ratio Lower Upper
165 100
63 3.9 75.3 112.9#
89 7.1 90.9 136.3#





#57

2,4-Dinitrotoluene

Concen: 5.819 ng

RT: 14.969 min Scan# 1971

Delta R.T. -0.361 min

Lab File: BG059808.D

Acq: 22 Nov 2023 1:49

Instrument :

BNA_G

ClientSampleId :

TP-4

Tgt Ion:165 Resp: 12408

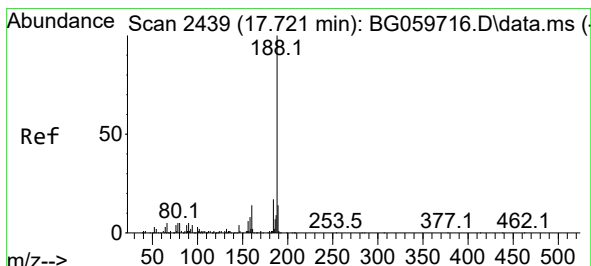
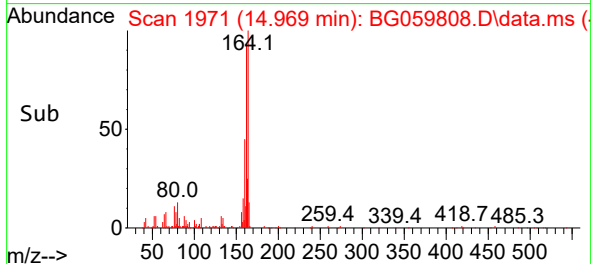
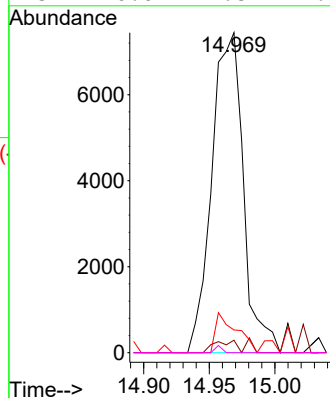
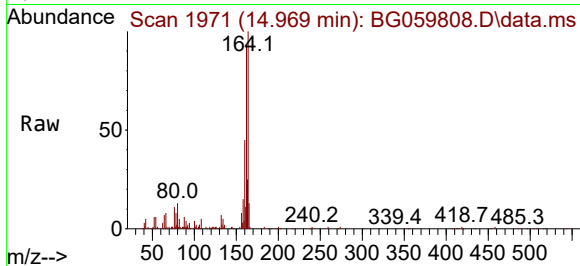
Ion Ratio Lower Upper

165 100

63 3.9 55.8 83.8#

89 7.1 96.9 145.3#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.718 min Scan# 2439

Delta R.T. -0.002 min

Lab File: BG059808.D

Acq: 22 Nov 2023 1:49

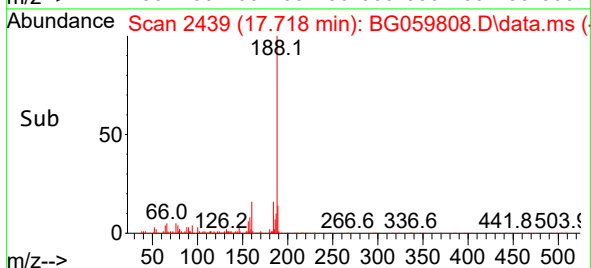
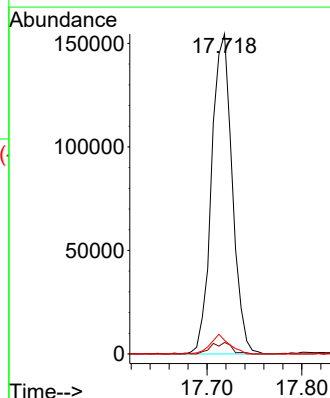
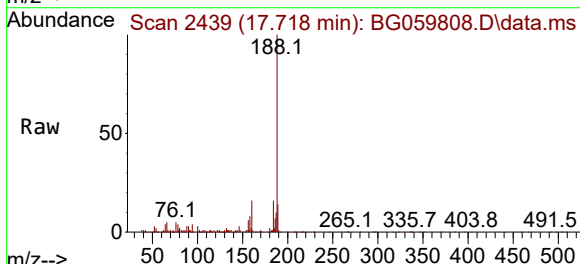
Tgt Ion:188 Resp: 233402

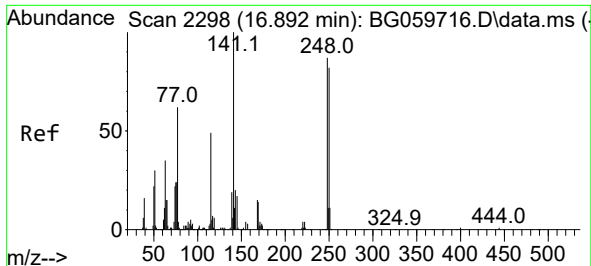
Ion Ratio Lower Upper

188 100

94 3.6 3.0 4.4

80 4.3 4.2 6.4





#67

4-Bromophenyl-phenylether

Concen: 5.572 ng

RT: 16.443 min Scan# 21

Delta R.T. -0.449 min

Lab File: BG059808.D

Acq: 22 Nov 2023 1:49

Instrument :

BNA_G

ClientSampleId :

TP-4

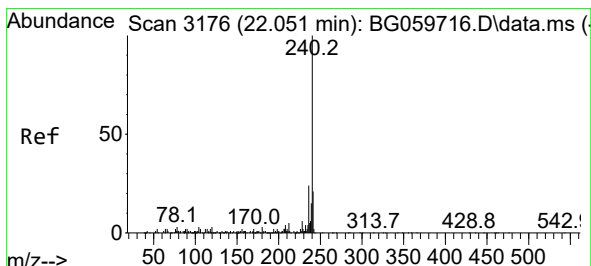
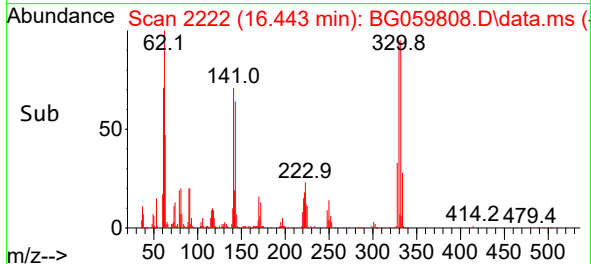
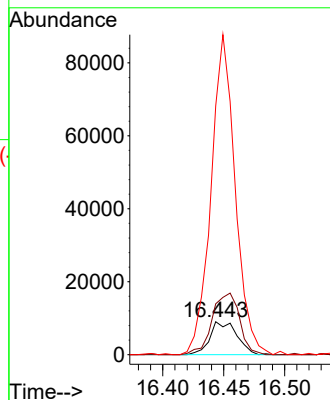
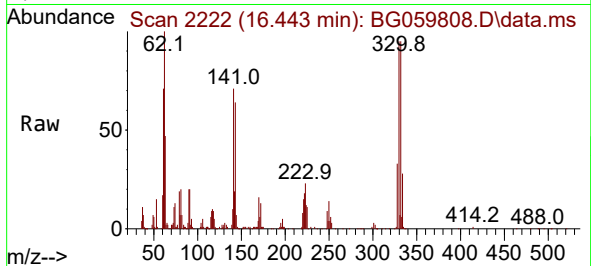
Tgt Ion:248 Resp: 13972

Ion Ratio Lower Upper

248 100

250 153.9 75.2 112.8#

141 752.8 91.5 137.3#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.043 min Scan# 3175

Delta R.T. -0.008 min

Lab File: BG059808.D

Acq: 22 Nov 2023 1:49

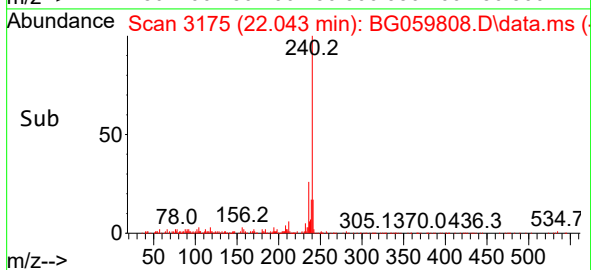
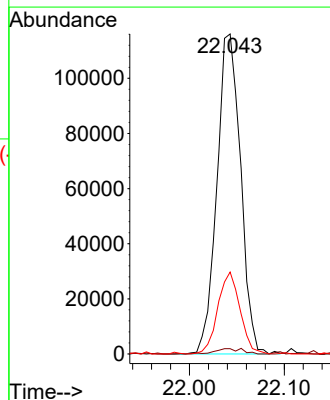
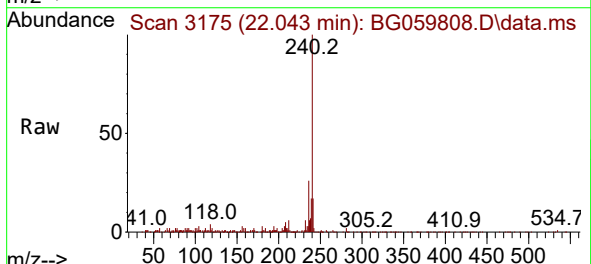
Tgt Ion:240 Resp: 201493

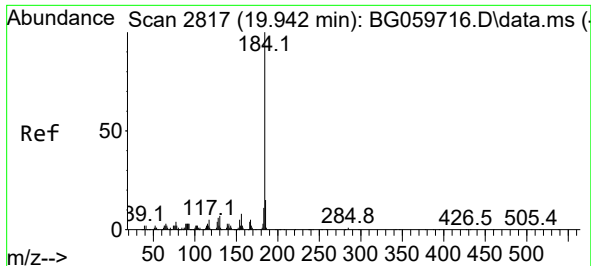
Ion Ratio Lower Upper

240 100

120 1.6 2.2 3.2#

236 25.6 19.4 29.2

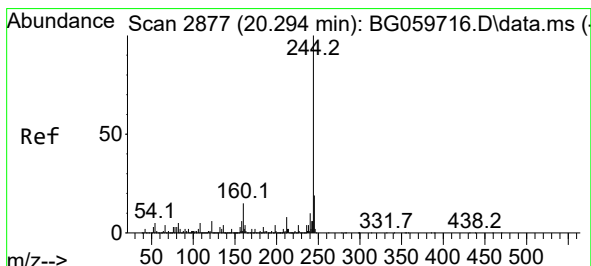
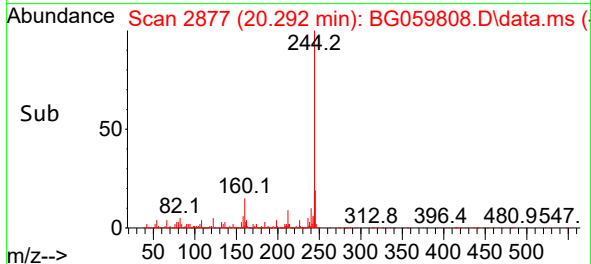
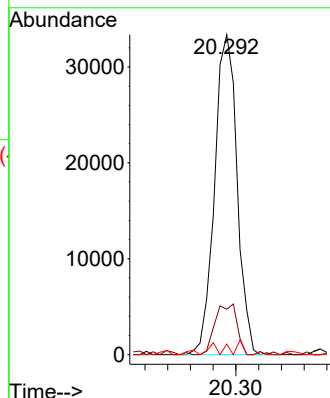
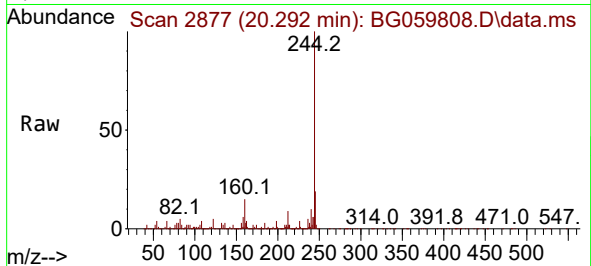




#77
Benzidine
Concen: 10.045 ng
RT: 20.292 min Scan# 2877
Delta R.T. 0.350 min
Lab File: BG059808.D
Acq: 22 Nov 2023 1:49

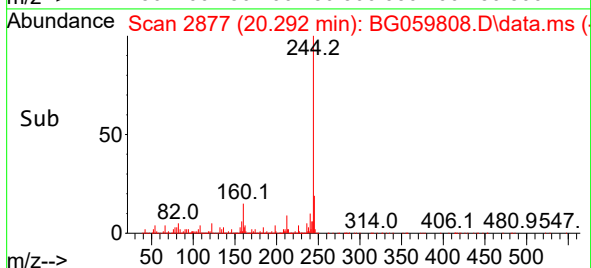
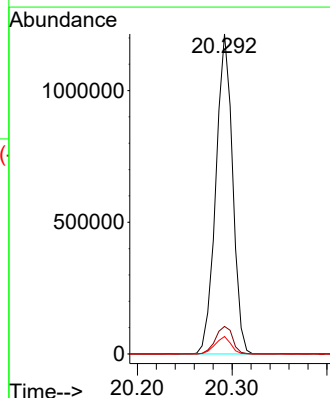
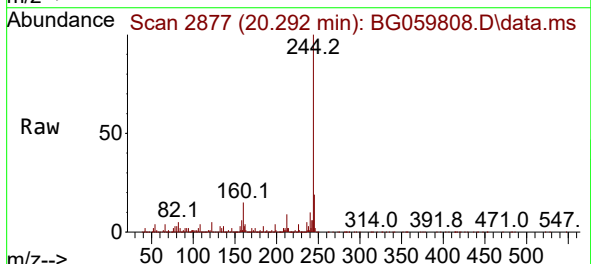
Instrument :
BNA_G
ClientSampleId :
TP-4

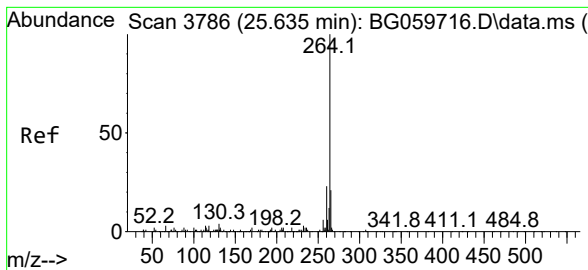
Tgt Ion:184 Resp: 45894
Ion Ratio Lower Upper
184 100
185 14.2 12.2 18.2
183 3.4 8.8 13.2#



#79
Terphenyl-d14
Concen: 109.058 ng
RT: 20.292 min Scan# 2877
Delta R.T. -0.002 min
Lab File: BG059808.D
Acq: 22 Nov 2023 1:49

Tgt Ion:244 Resp: 1488537
Ion Ratio Lower Upper
244 100
212 8.6 6.6 10.0
122 5.5 4.4 6.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.633 min Scan# 31
 Delta R.T. -0.002 min
 Lab File: BG059808.D
 Acq: 22 Nov 2023 1:49

Instrument :
 BNA_G
 ClientSampleId :
 TP-4

Tgt Ion:264 Resp: 222090

Ion	Ratio	Lower	Upper
264	100		
260	25.6	18.5	27.7
265	22.6	17.0	25.6

