

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122023\
 Data File : BG060105.D
 Acq On : 20 Dec 2023 19:12
 Operator : MA/JU
 Sample : PB157507BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB157507BL

Quant Time: Dec 21 02:40:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 19 04:37:23 2023
 Response via : Initial Calibration

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

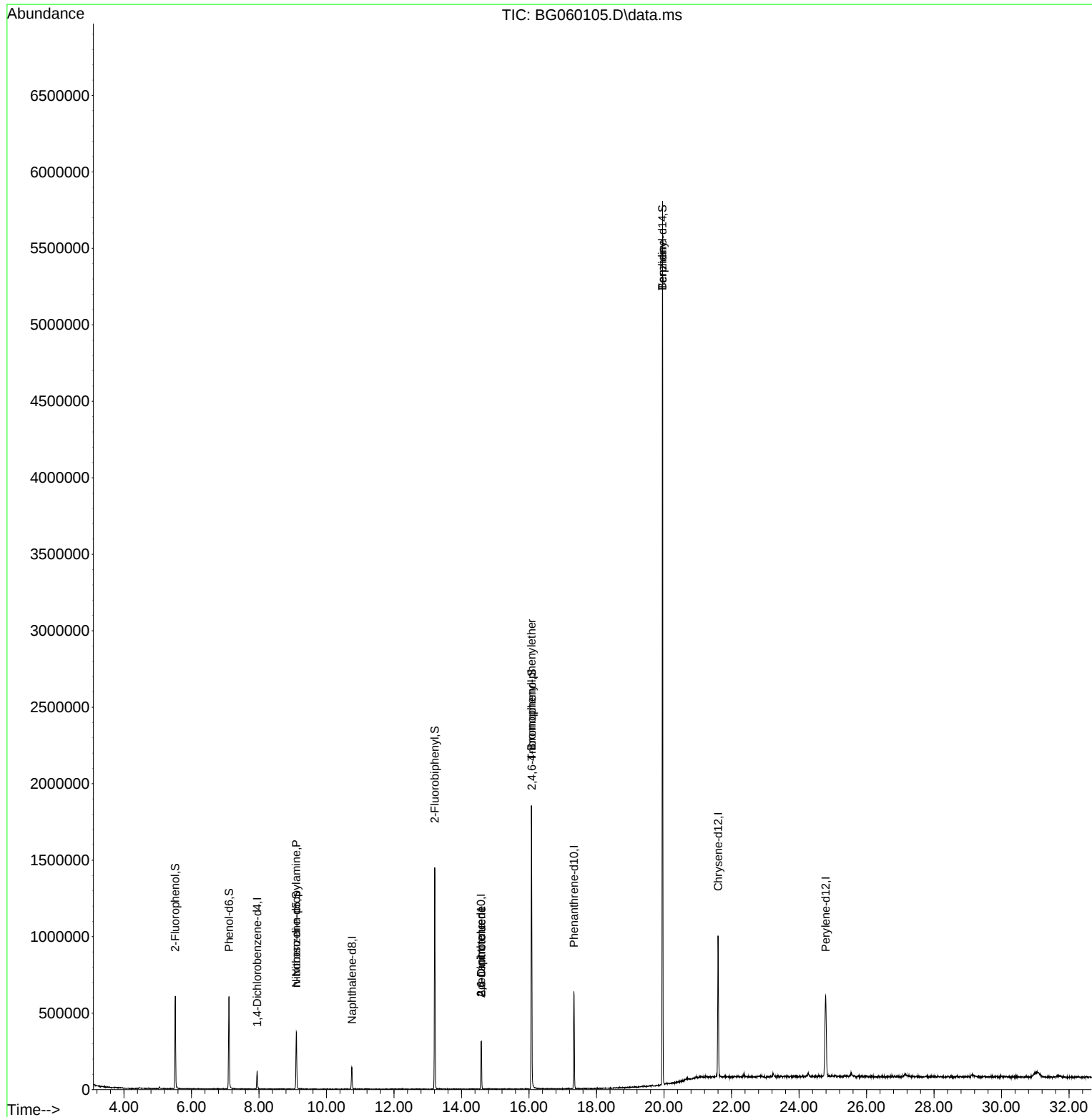
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.947	152	30174	20.000	ng	-0.01
21) Naphthalene-d8	10.756	136	105131	20.000	ng	# 0.00
39) Acenaphthene-d10	14.580	164	111901	20.000	ng	-0.02
64) Phenanthrene-d10	17.330	188	449789	20.000	ng	#-0.02
76) Chrysene-d12	21.602	240	621204	20.000	ng	#-0.02
86) Perylene-d12	24.792	264	710519	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.521	112	181086	102.735	ng	0.00
7) Phenol-d6	7.113	99	271552	109.521	ng	0.00
23) Nitrobenzene-d5	9.105	82	213053	92.022	ng	-0.02
42) 2,4,6-Tribromophenol	16.079	330	462832	177.479	ng	0.00
45) 2-Fluorobiphenyl	13.206	172	775509	84.820	ng	-0.01
79) Terphenyl-d14	19.957	244	3083251	90.616	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.105	70	31068	19.421	ng	# 79
51) 2,6-Dinitrotoluene	14.586	165	16274	9.045	ng	# 24
57) 2,4-Dinitrotoluene	14.586	165	16274	6.434	ng	# 27
67) 4-Bromophenyl-phenylether	16.073	248	29095	4.585	ng	# 1
69) Atrazine	16.790	200	122	Below Cal		# 34
77) Benzidine	19.957	184	50987	6.390	ng	# 92

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

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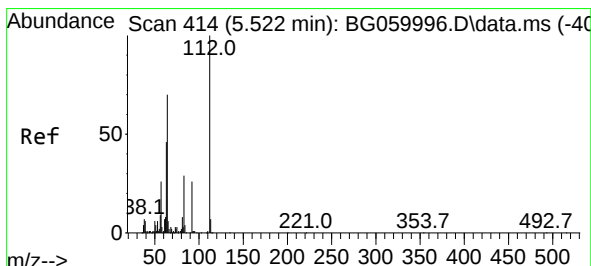
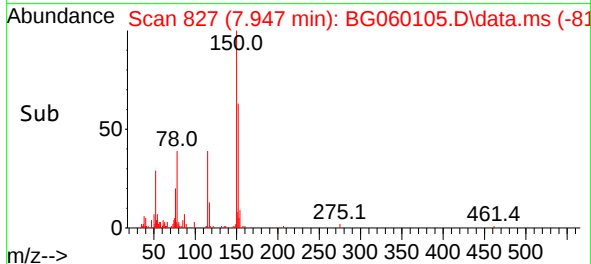
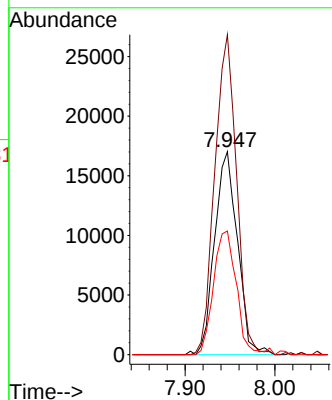
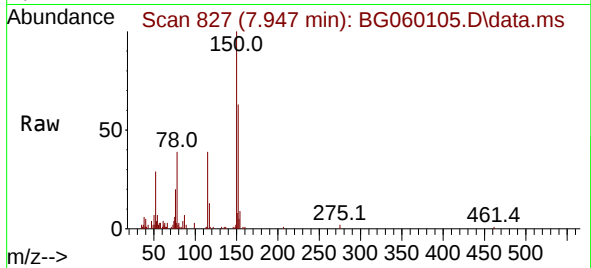




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.947 min Scan# 81
Delta R.T. -0.012 min
Lab File: BG060105.D
Acq: 20 Dec 2023 19:12

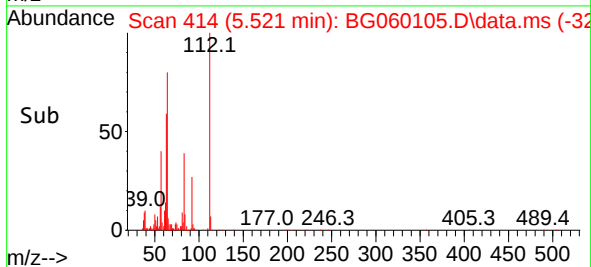
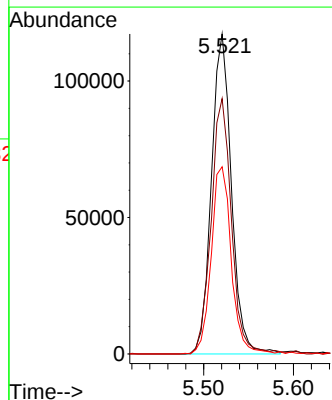
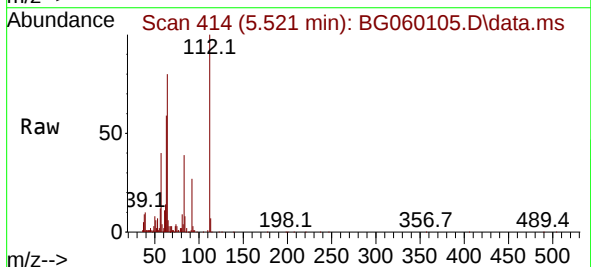
Instrument :
BNA_G
ClientSampleId :
PB157507BL

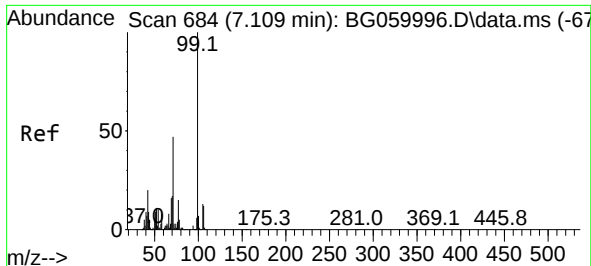
Tgt Ion:152 Resp: 30174
Ion Ratio Lower Upper
152 100
150 157.6 127.0 190.6
115 61.0 45.7 68.5



#5
2-Fluorophenol
Concen: 102.735 ng
RT: 5.521 min Scan# 414
Delta R.T. -0.006 min
Lab File: BG060105.D
Acq: 20 Dec 2023 19:12

Tgt Ion:112 Resp: 181086
Ion Ratio Lower Upper
112 100
64 79.8 55.9 83.9
63 58.5 36.5 54.7#

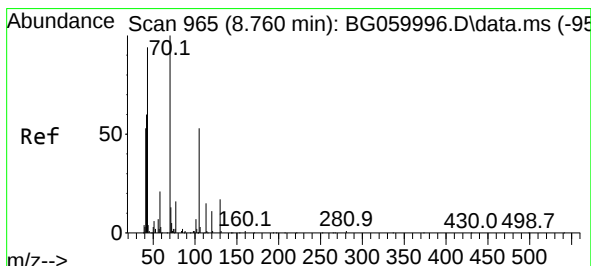
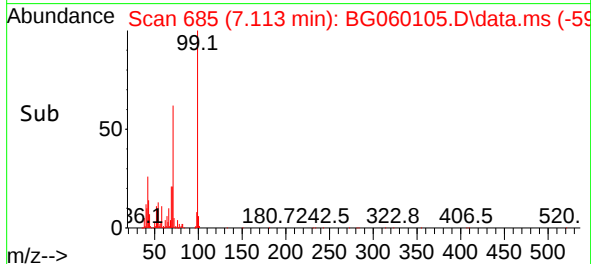
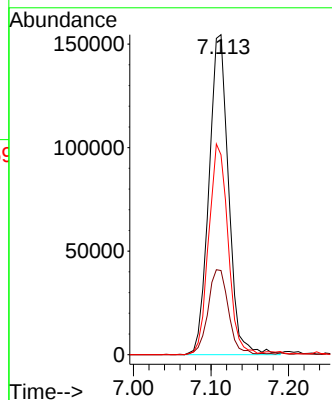
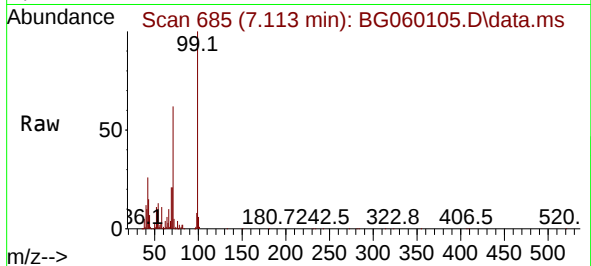




#7
Phenol-d6
Concen: 109.521 ng
RT: 7.113 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG060105.D
Acq: 20 Dec 2023 19:12

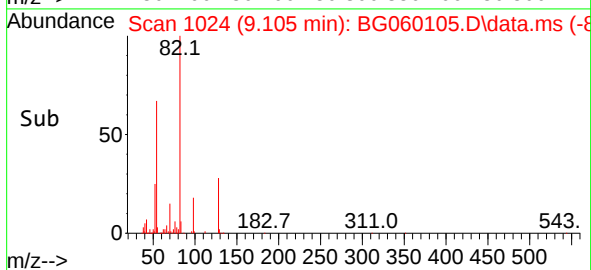
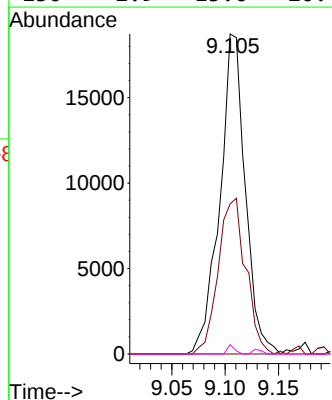
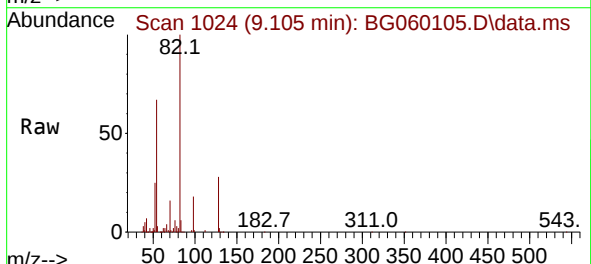
Instrument :
BNA_G
ClientSampleId :
PB157507BL

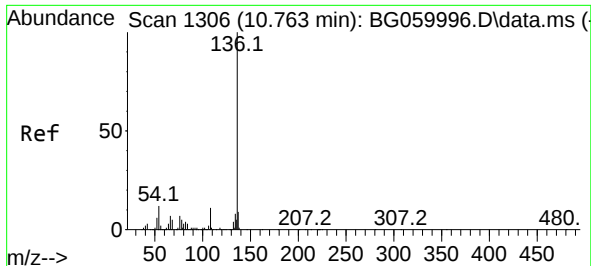
Tgt Ion: 99 Resp: 271552
Ion Ratio Lower Upper
99 100
42 26.3 16.2 24.4#
71 62.4 37.6 56.4#



#19
n-Nitroso-di-n-propylamine
Concen: 19.421 ng
RT: 9.105 min Scan# 1024
Delta R.T. 0.341 min
Lab File: BG060105.D
Acq: 20 Dec 2023 19:12

Tgt Ion: 70 Resp: 31068
Ion Ratio Lower Upper
70 100
42 46.9 48.6 73.0#
101 0.0 5.7 8.5#
130 2.9 13.6 20.4#

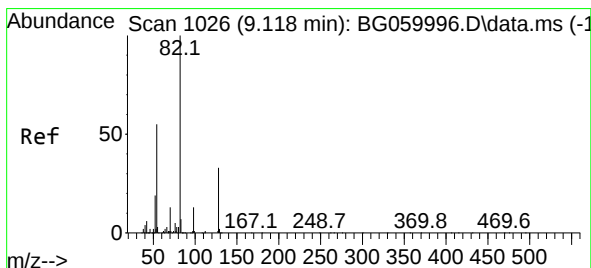
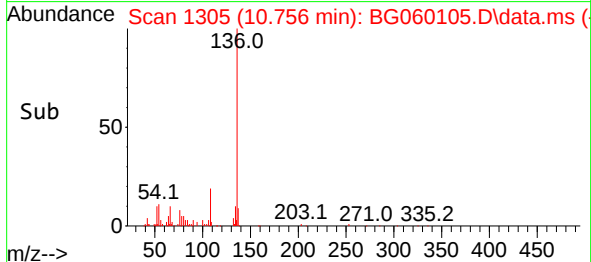
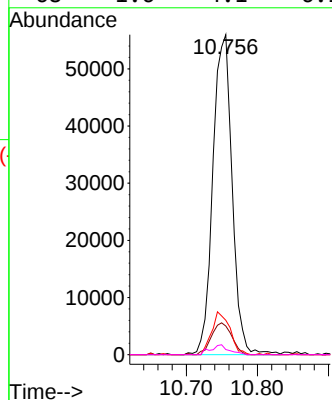
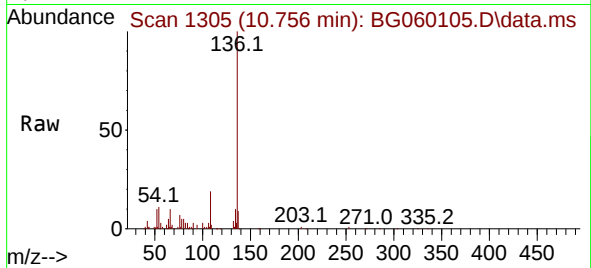




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.756 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG060105.D
Acq: 20 Dec 2023 19:12

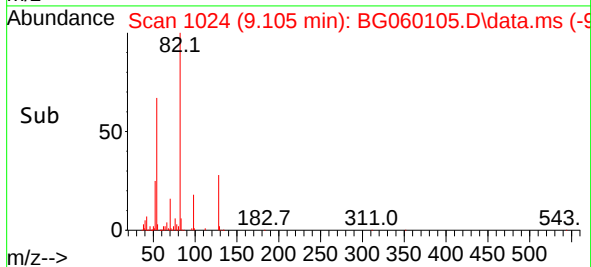
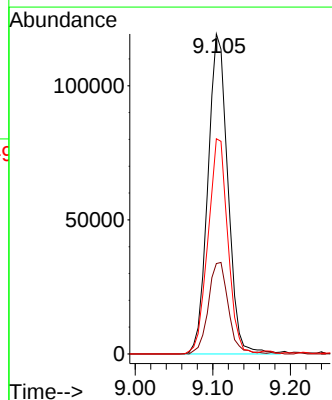
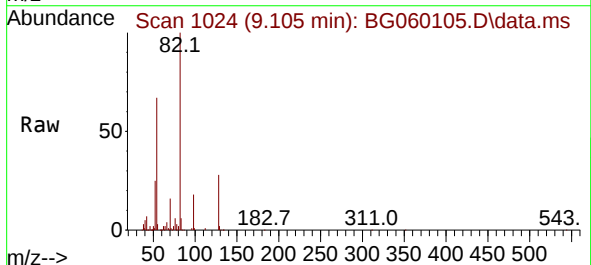
Instrument :
BNA_G
ClientSampleId :
PB157507BL

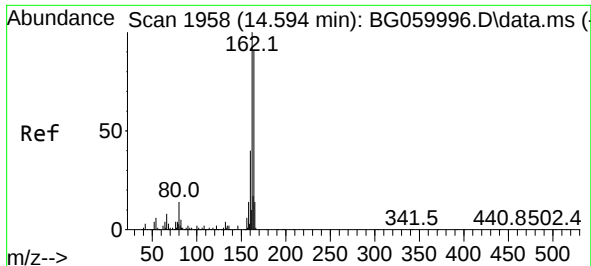
Tgt Ion:136 Resp: 105131
Ion Ratio Lower Upper
136 100
137 9.0 7.3 10.9
54 10.7 9.6 14.4
68 1.6 4.1 6.1#



#23
Nitrobenzene-d5
Concen: 92.022 ng
RT: 9.105 min Scan# 1024
Delta R.T. -0.017 min
Lab File: BG060105.D
Acq: 20 Dec 2023 19:12

Tgt Ion: 82 Resp: 213053
Ion Ratio Lower Upper
82 100
128 28.2 26.3 39.5
54 67.3 44.3 66.5#

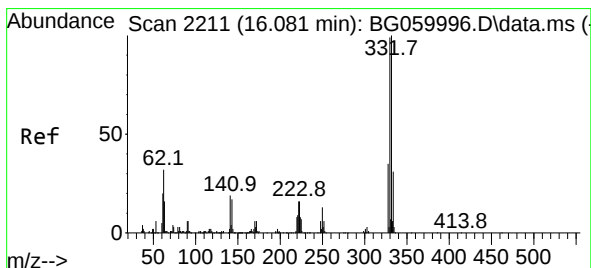
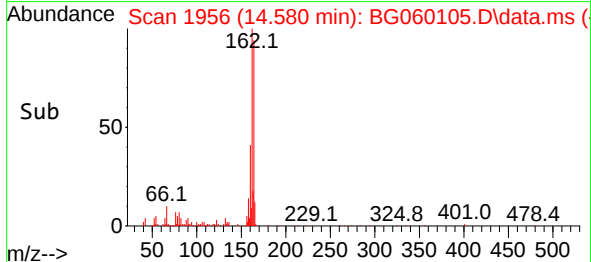
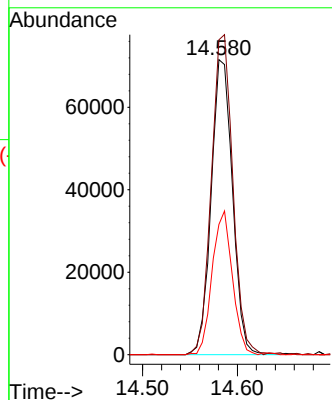
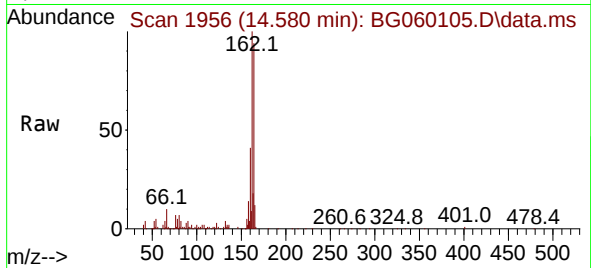




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.580 min Scan# 1956
Delta R.T. -0.017 min
Lab File: BG060105.D
Acq: 20 Dec 2023 19:12

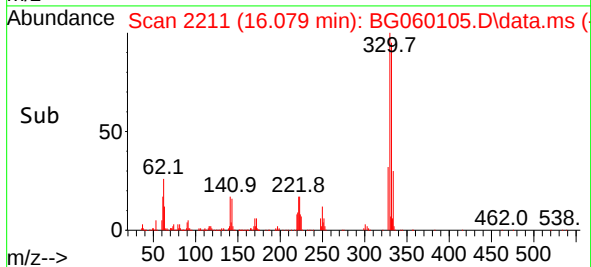
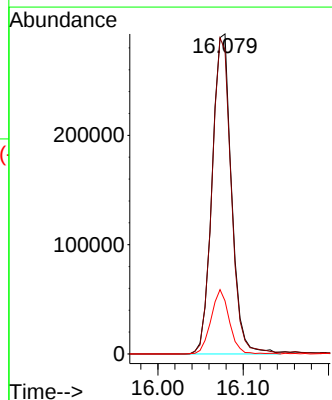
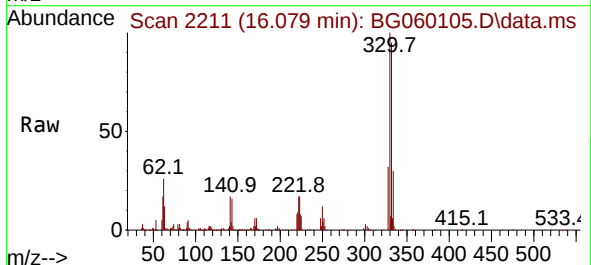
Instrument :
BNA_G
ClientSampleId :
PB157507BL

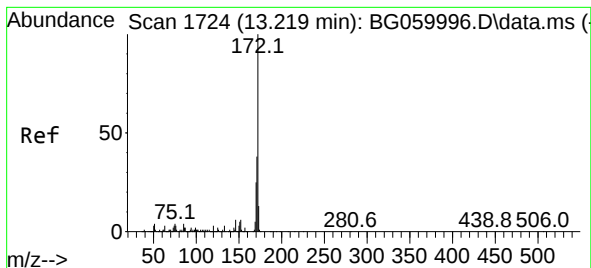
Tgt Ion:164 Resp: 111901
Ion Ratio Lower Upper
164 100
162 106.8 88.1 132.1
160 44.1 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 177.479 ng
RT: 16.079 min Scan# 2211
Delta R.T. -0.006 min
Lab File: BG060105.D
Acq: 20 Dec 2023 19:12

Tgt Ion:330 Resp: 462832
Ion Ratio Lower Upper
330 100
332 97.7 76.2 114.4
141 19.0 14.3 21.5





#45

2-Fluorobiphenyl

Concen: 84.820 ng

RT: 13.206 min Scan# 1

Delta R.T. -0.012 min

Lab File: BG060105.D

Acq: 20 Dec 2023 19:12

Instrument :

BNA_G

ClientSampleId :

PB157507BL

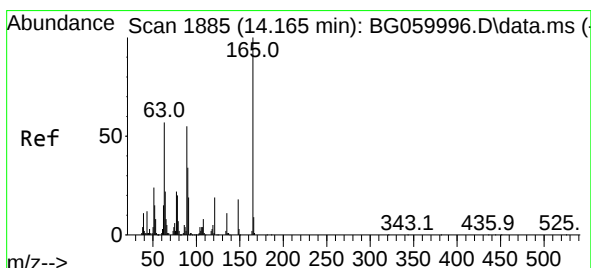
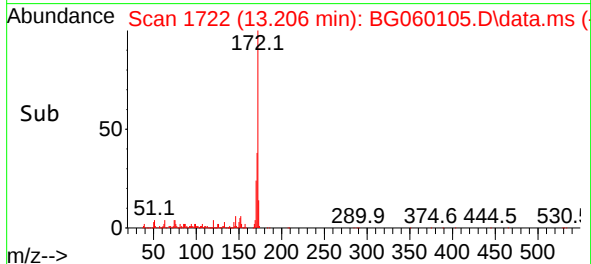
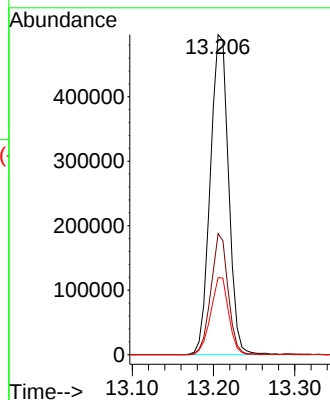
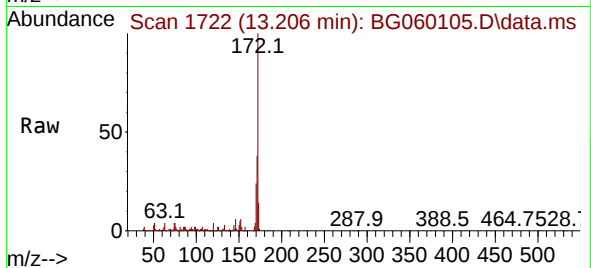
Tgt Ion:172 Resp: 775509

Ion Ratio Lower Upper

172 100

171 37.8 30.1 45.1

170 24.1 20.0 30.0



#51

2,6-Dinitrotoluene

Concen: 9.045 ng

RT: 14.586 min Scan# 1957

Delta R.T. 0.417 min

Lab File: BG060105.D

Acq: 20 Dec 2023 19:12

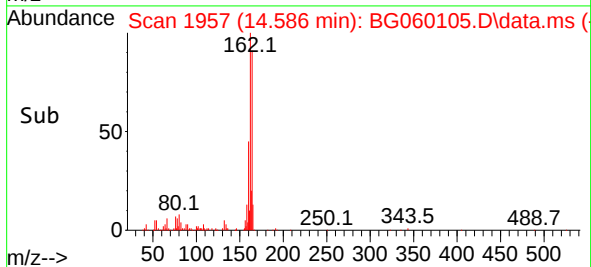
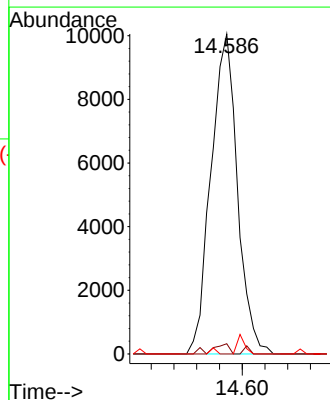
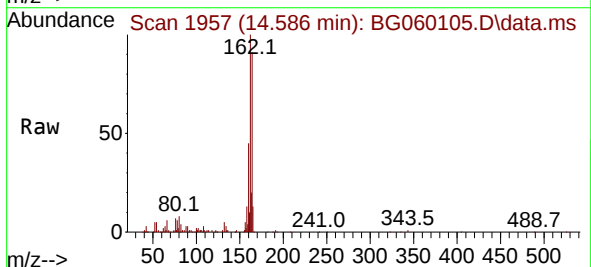
Tgt Ion:165 Resp: 16274

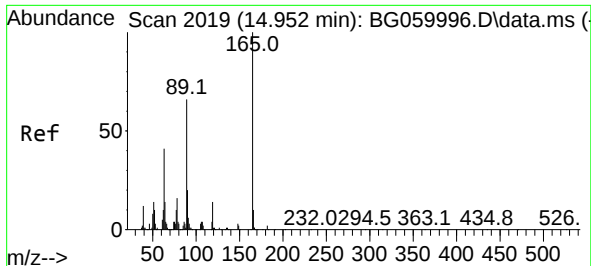
Ion Ratio Lower Upper

165 100

63 3.2 48.2 72.2#

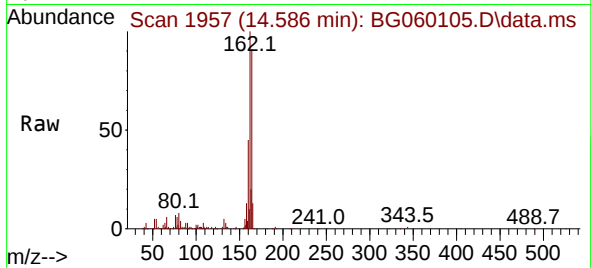
89 0.0 44.4 66.6#



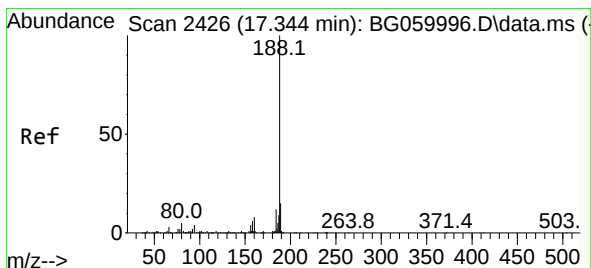
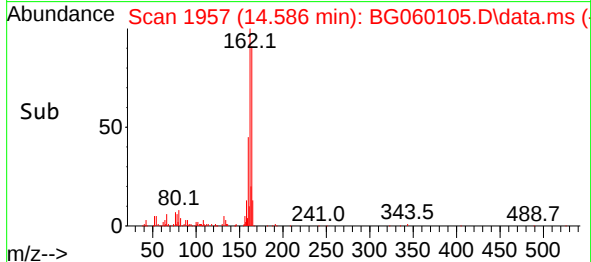
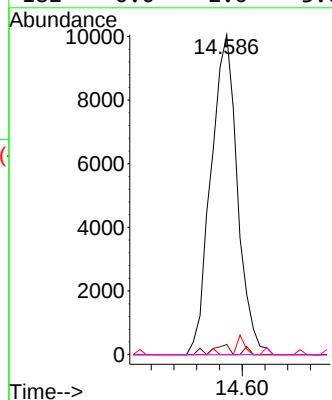


#57
2,4-Dinitrotoluene
Concen: 6.434 ng
RT: 14.586 min Scan# 1957
Delta R.T. -0.364 min
Lab File: BG060105.D
Acq: 20 Dec 2023 19:12

Instrument :
BNA_G
ClientSampleId :
PB157507BL

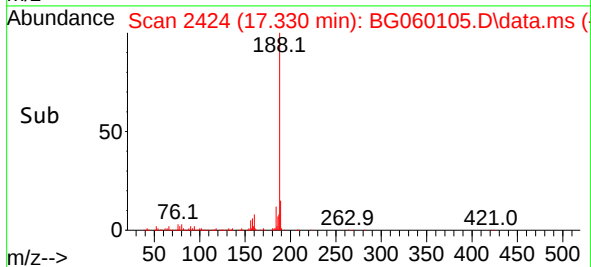
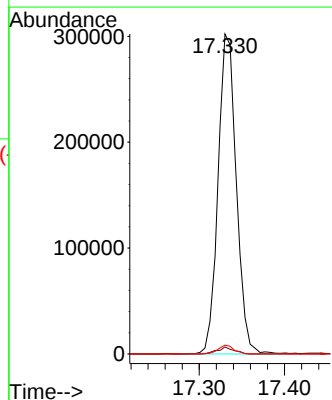
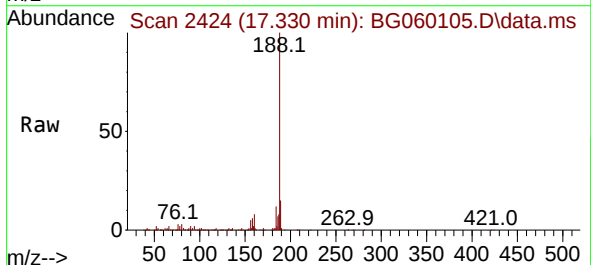


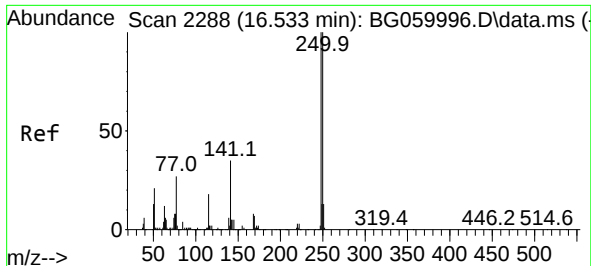
Tgt Ion:165 Resp: 16274
Ion Ratio Lower Upper
165 100
63 3.2 32.8 49.2#
89 0.0 53.0 79.6#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.330 min Scan# 2424
Delta R.T. -0.017 min
Lab File: BG060105.D
Acq: 20 Dec 2023 19:12

Tgt Ion:188 Resp: 449789
Ion Ratio Lower Upper
188 100
94 2.2 3.0 4.6#
80 2.7 4.0 6.0#

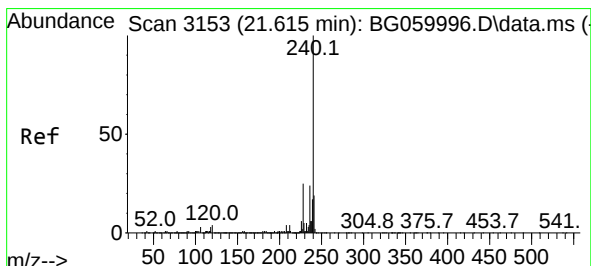
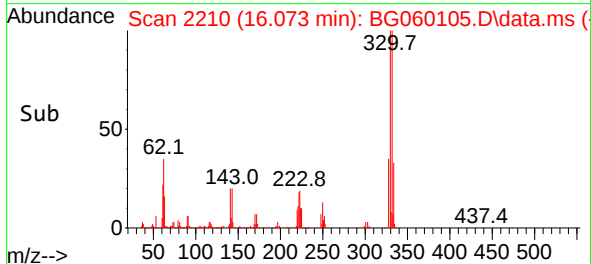
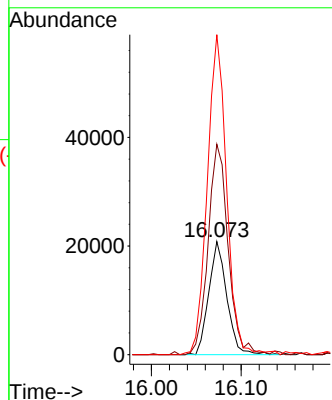
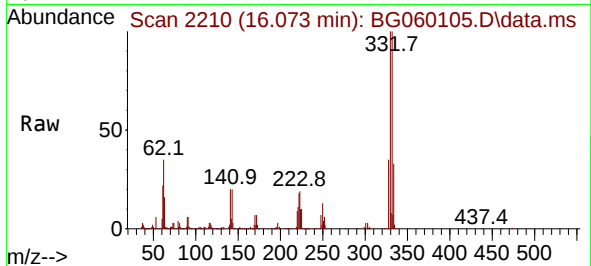




#67
4-Bromophenyl-phenylether
Concen: 4.585 ng
RT: 16.073 min Scan# 211
Delta R.T. -0.464 min
Lab File: BG060105.D
Acq: 20 Dec 2023 19:12

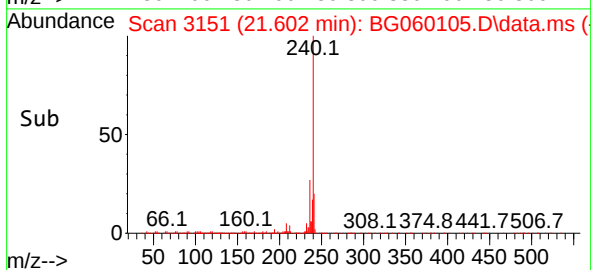
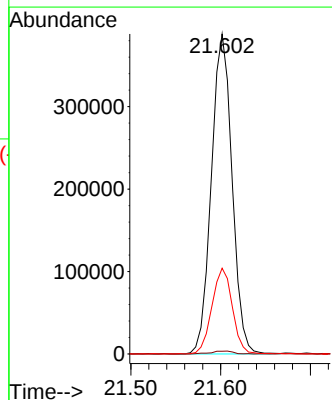
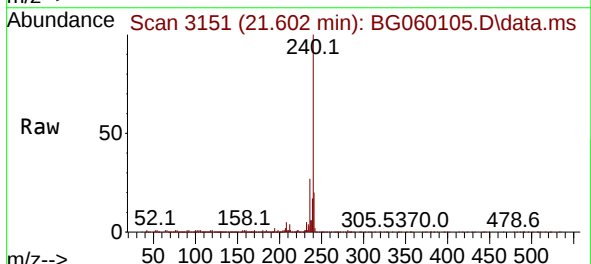
Instrument :
BNA_G
ClientSampleId :
PB157507BL

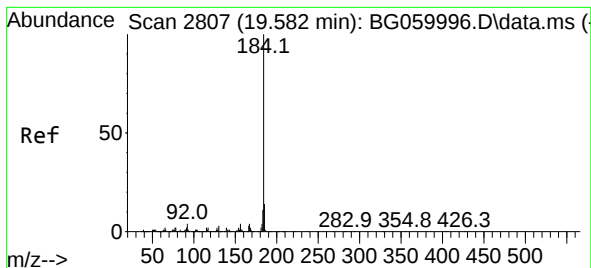
Tgt Ion:248 Resp: 29095
Ion Ratio Lower Upper
248 100
250 186.0 79.9 119.9#
141 282.7 28.3 42.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.602 min Scan# 3151
Delta R.T. -0.017 min
Lab File: BG060105.D
Acq: 20 Dec 2023 19:12

Tgt Ion:240 Resp: 621204
Ion Ratio Lower Upper
240 100
120 0.8 2.9 4.3#
236 26.8 19.4 29.2





#77

Benzidine

Concen: 6.390 ng

RT: 19.957 min Scan# 2871

Delta R.T. 0.370 min

Lab File: BG060105.D

Acq: 20 Dec 2023 19:12

Instrument :

BNA_G

ClientSampleId :

PB157507BL

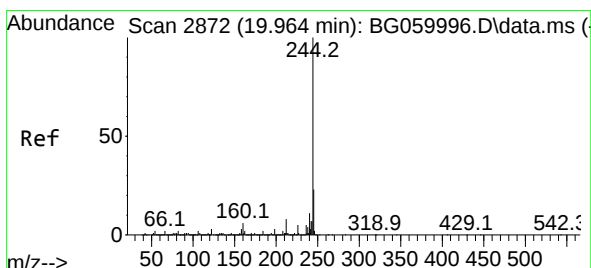
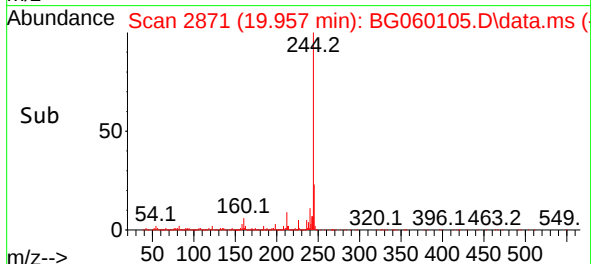
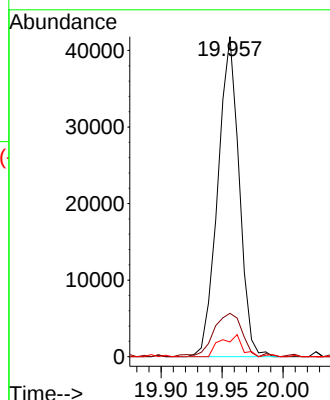
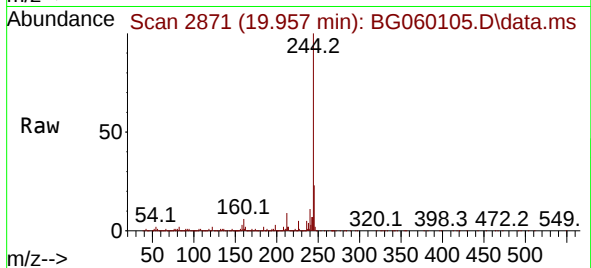
Tgt Ion:184 Resp: 50987

Ion Ratio Lower Upper

184 100

185 13.5 11.1 16.7

183 4.6 9.0 13.4#



#79

Terphenyl-d14

Concen: 90.616 ng

RT: 19.957 min Scan# 2871

Delta R.T. -0.012 min

Lab File: BG060105.D

Acq: 20 Dec 2023 19:12

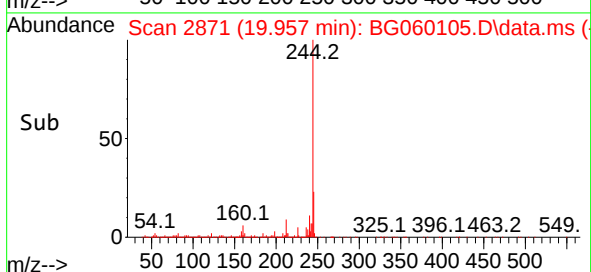
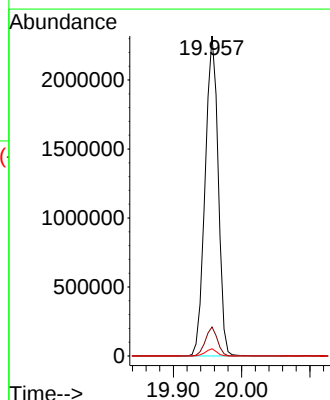
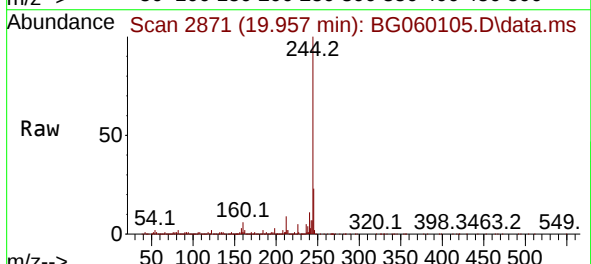
Tgt Ion:244 Resp: 3083251

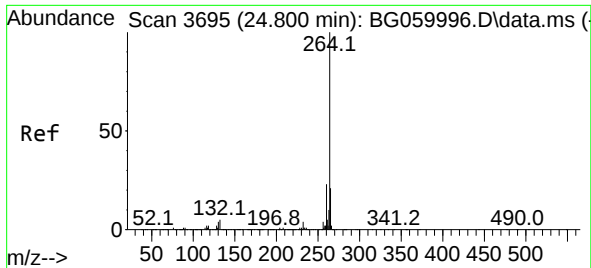
Ion Ratio Lower Upper

244 100

212 9.0 6.8 10.2

122 2.2 2.6 3.8#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.792 min Scan# 30
 Delta R.T. -0.023 min
 Lab File: BG060105.D
 Acq: 20 Dec 2023 19:12

Instrument :
 BNA_G
 ClientSampleId :
 PB157507BL

Tgt Ion:264 Resp: 710519

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.5	27.7
265	20.9	17.3	25.9

