

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121423\
 Data File : BG060021.D
 Acq On : 14 Dec 2023 21:04
 Operator : MA/JU
 Sample : 05718-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-LIQUID-20231206

Quant Time: Dec 15 02:38:45 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 01:47:12 2023
 Response via : Initial Calibration

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

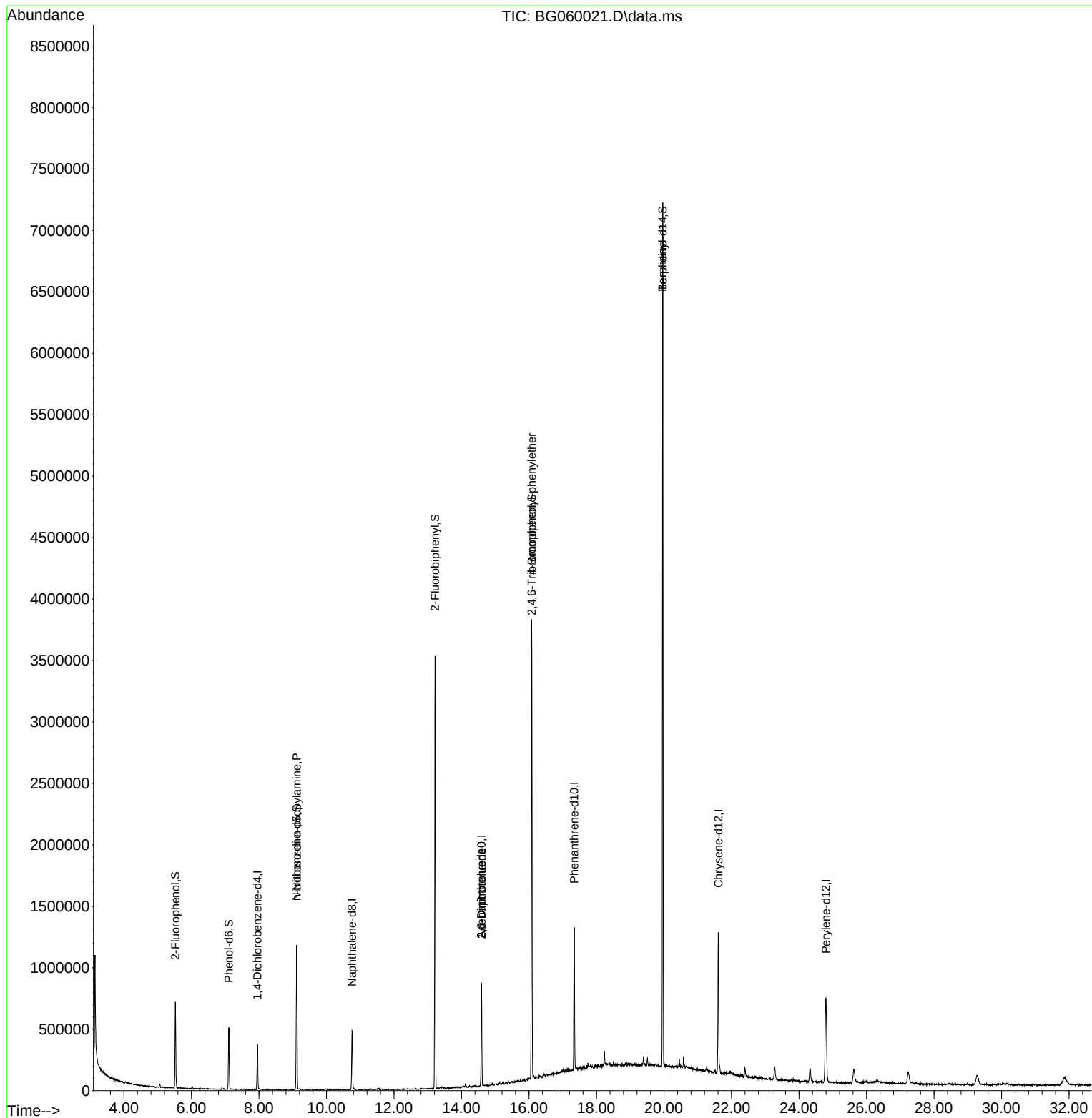
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.953	152	98836	20.000	ng	0.00
21) Naphthalene-d8	10.756	136	381440	20.000	ng	0.00
39) Acenaphthene-d10	14.593	164	292045	20.000	ng	0.00
64) Phenanthrene-d10	17.342	188	824700	20.000	ng	0.00
76) Chrysene-d12	21.608	240	755852	20.000	ng	0.00
86) Perylene-d12	24.798	264	894522	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.527	112	282845	48.989	ng	0.00
7) Phenol-d6	7.107	99	251610	30.981	ng	0.00
23) Nitrobenzene-d5	9.117	82	675974	80.471	ng	0.00
42) 2,4,6-Tribromophenol	16.085	330	910866	133.833	ng	0.00
45) 2-Fluorobiphenyl	13.218	172	1878303	78.716	ng	0.00
79) Terphenyl-d14	19.963	244	3670791	88.666	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.117	70	95398	18.206	ng	# 69
51) 2,6-Dinitrotoluene	14.593	165	41663	8.872	ng	# 24
57) 2,4-Dinitrotoluene	14.593	165	41663	6.312	ng	# 27
67) 4-Bromophenyl-phenylether	16.079	248	55720	4.789	ng	# 1
69) Atrazine	16.802	200	1085	Below Cal		# 56
77) Benzidine	19.963	184	59366	6.115	ng	# 87

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

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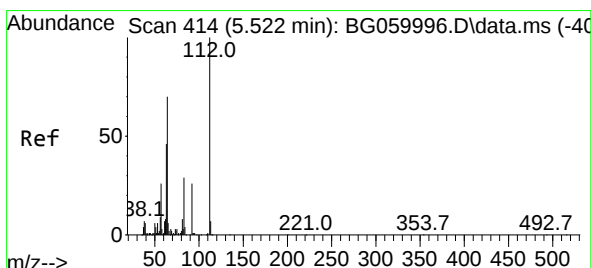
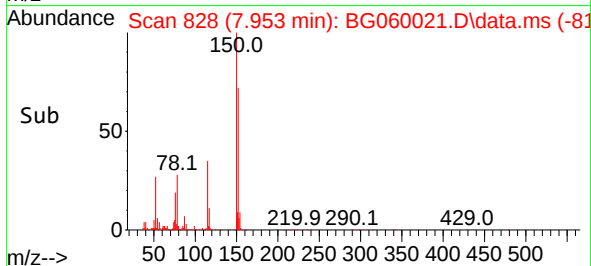
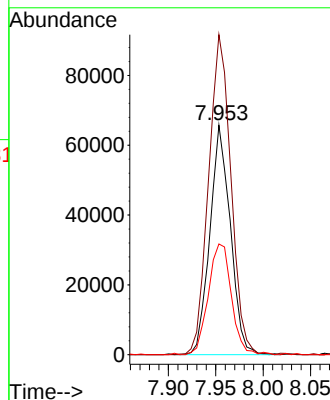
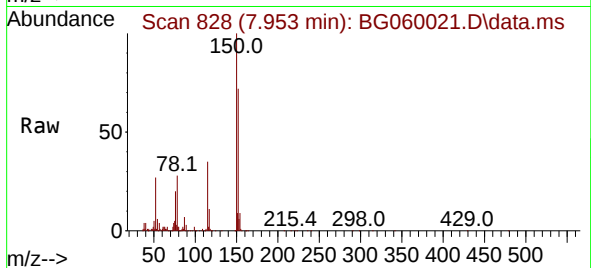




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.953 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG060021.D
Acq: 14 Dec 2023 21:04

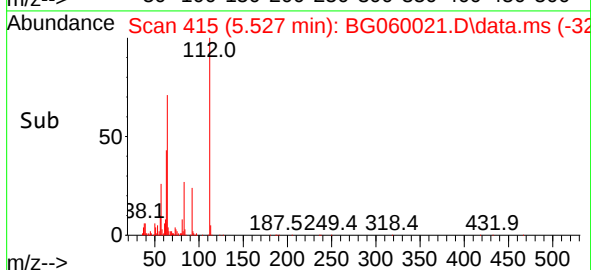
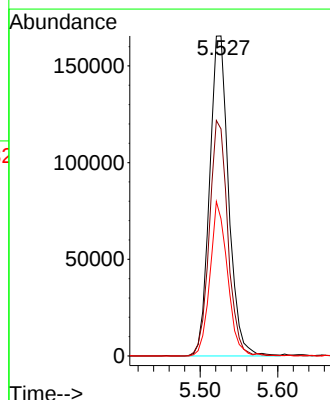
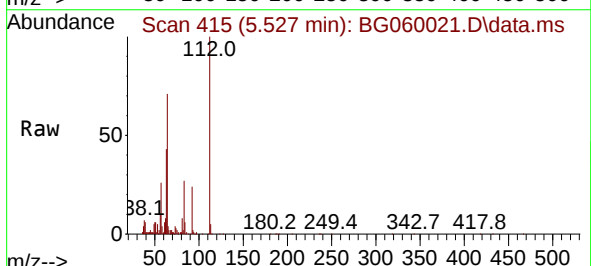
Instrument :
BNA_G
ClientSampleId :
WC-LIQUID-20231206

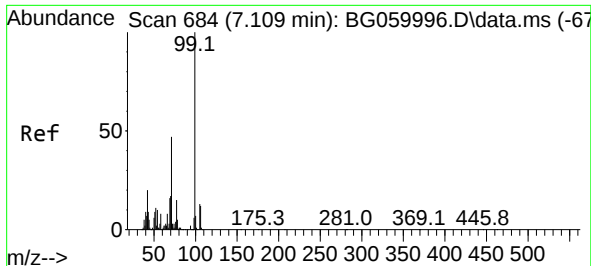
Tgt Ion:152 Resp: 98836
Ion Ratio Lower Upper
152 100
150 139.4 127.0 190.6
115 48.3 45.7 68.5



#5
2-Fluorophenol
Concen: 48.989 ng
RT: 5.527 min Scan# 415
Delta R.T. 0.005 min
Lab File: BG060021.D
Acq: 14 Dec 2023 21:04

Tgt Ion:112 Resp: 282845
Ion Ratio Lower Upper
112 100
64 71.0 55.9 83.9
63 42.8 36.5 54.7

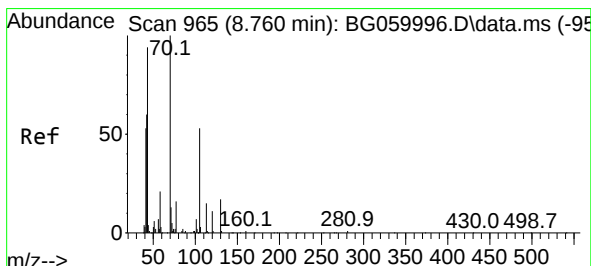
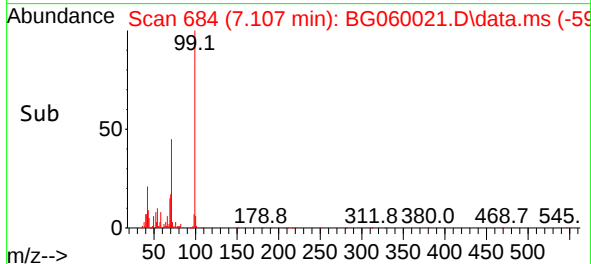
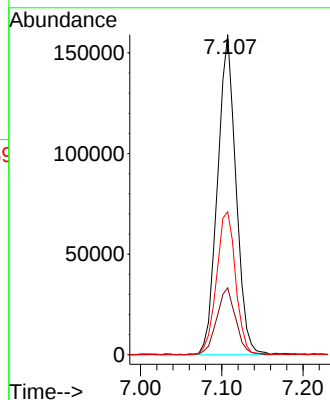
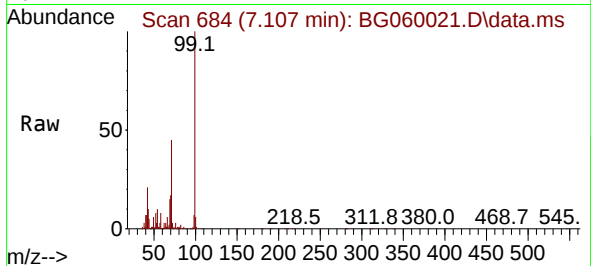




#7
Phenol-d6
Concen: 30.981 ng
RT: 7.107 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG060021.D
Acq: 14 Dec 2023 21:04

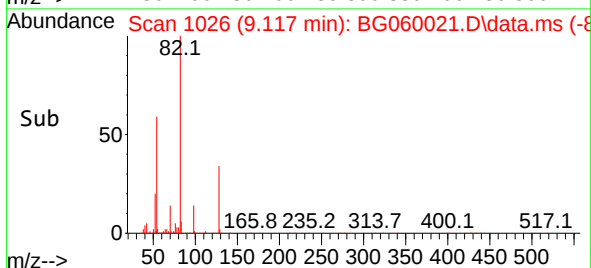
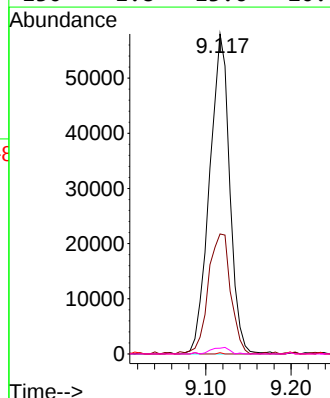
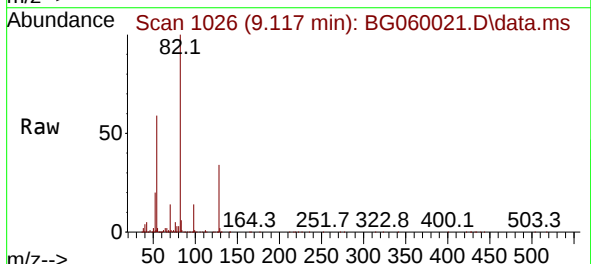
Instrument :
BNA_G
ClientSampleId :
WC-LIQUID-20231206

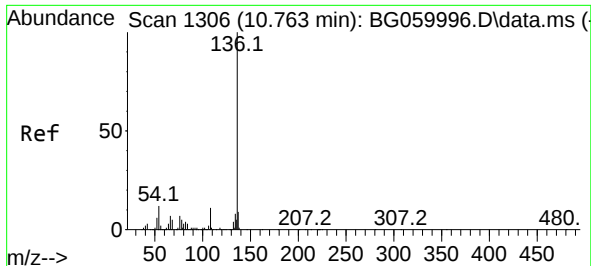
Tgt Ion: 99 Resp: 251610
Ion Ratio Lower Upper
99 100
42 20.9 16.2 24.4
71 44.7 37.6 56.4



#19
n-Nitroso-di-n-propylamine
Concen: 18.206 ng
RT: 9.117 min Scan# 1026
Delta R.T. 0.357 min
Lab File: BG060021.D
Acq: 14 Dec 2023 21:04

Tgt Ion: 70 Resp: 95398
Ion Ratio Lower Upper
70 100
42 37.5 48.6 73.0#
101 0.4 5.7 8.5#
130 1.8 13.6 20.4#

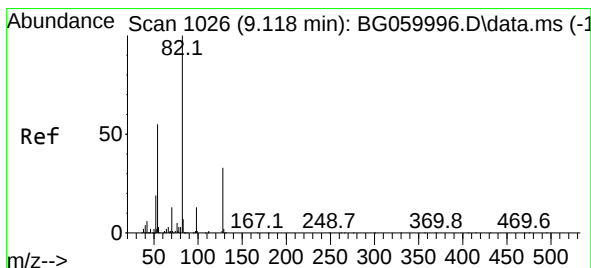
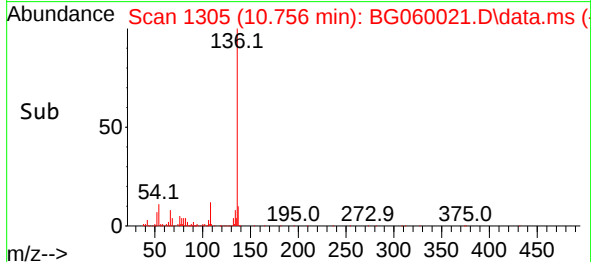
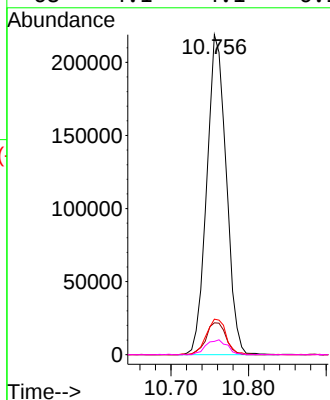
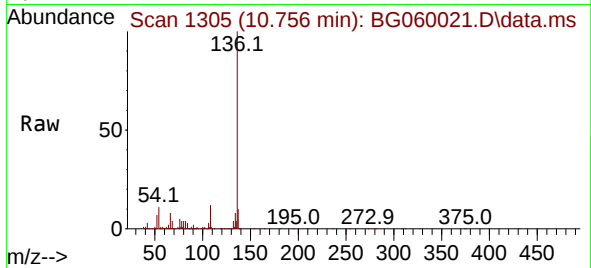




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.756 min Scan# 1305
Delta R.T. -0.007 min
Lab File: BG060021.D
Acq: 14 Dec 2023 21:04

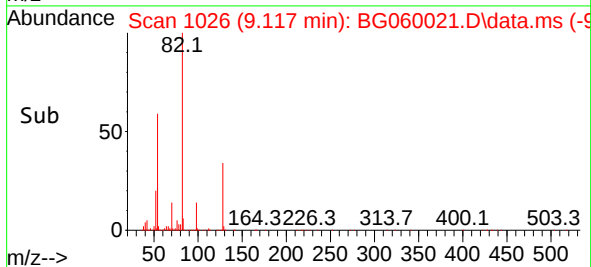
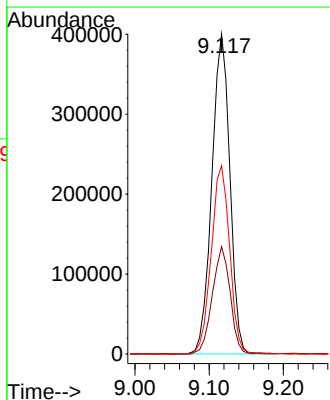
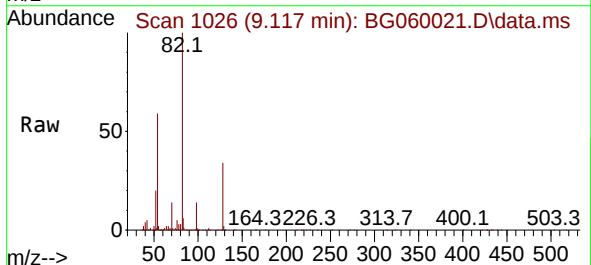
Instrument :
BNA_G
ClientSampleId :
WC-LIQUID-20231206

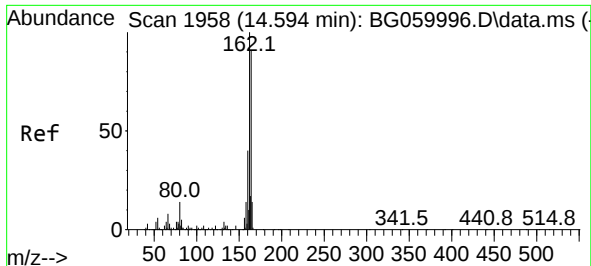
Tgt Ion:	136	Resp:	381440
Ion	Ratio	Lower	Upper
136	100		
137	10.0	7.3	10.9
54	11.1	9.6	14.4
68	4.1	4.1	6.1



#23
Nitrobenzene-d5
Concen: 80.471 ng
RT: 9.117 min Scan# 1026
Delta R.T. -0.002 min
Lab File: BG060021.D
Acq: 14 Dec 2023 21:04

Tgt Ion:	82	Resp:	675974
Ion	Ratio	Lower	Upper
82	100		
128	33.5	26.3	39.5
54	58.9	44.3	66.5

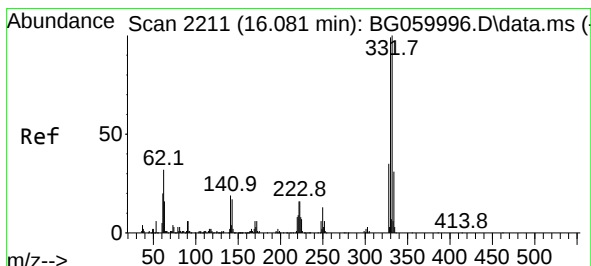
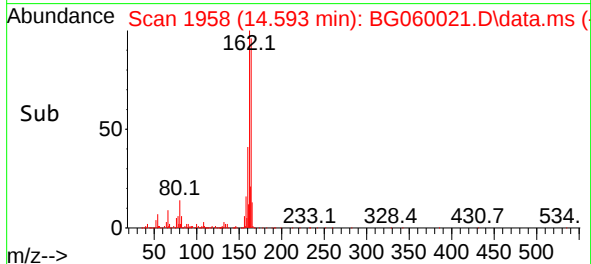
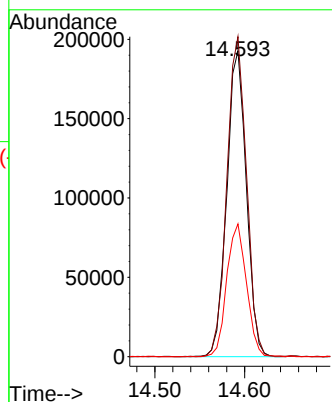
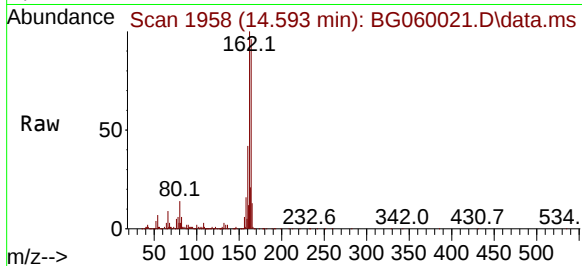




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.593 min Scan# 1958
Delta R.T. -0.002 min
Lab File: BG060021.D
Acq: 14 Dec 2023 21:04

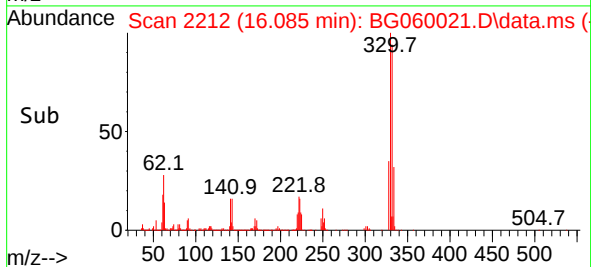
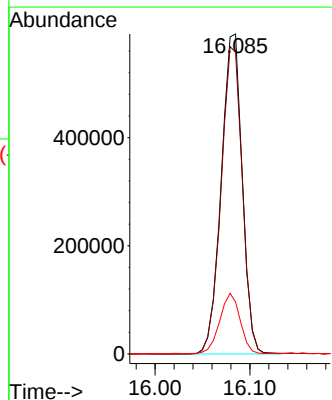
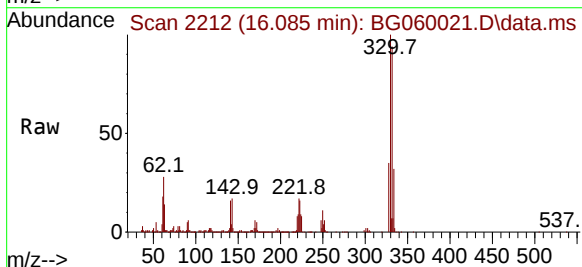
Instrument :
BNA_G
ClientSampleId :
WC-LIQUID-20231206

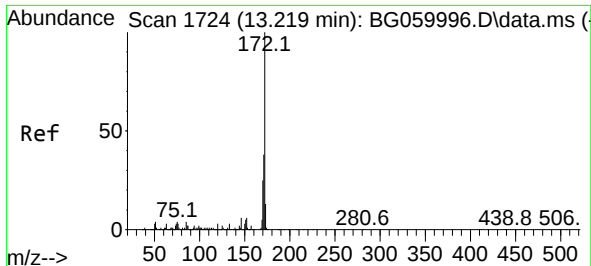
Tgt Ion:164 Resp: 292045
Ion Ratio Lower Upper
164 100
162 104.6 88.1 132.1
160 43.4 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 133.833 ng
RT: 16.085 min Scan# 2212
Delta R.T. 0.004 min
Lab File: BG060021.D
Acq: 14 Dec 2023 21:04

Tgt Ion:330 Resp: 910866
Ion Ratio Lower Upper
330 100
332 96.9 76.2 114.4
141 18.5 14.3 21.5

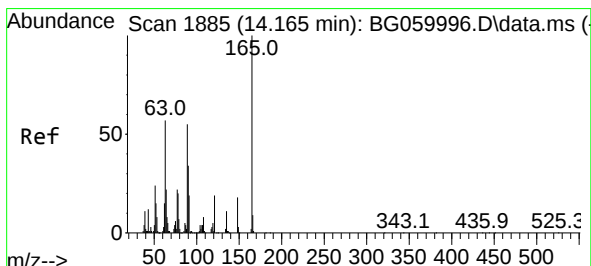
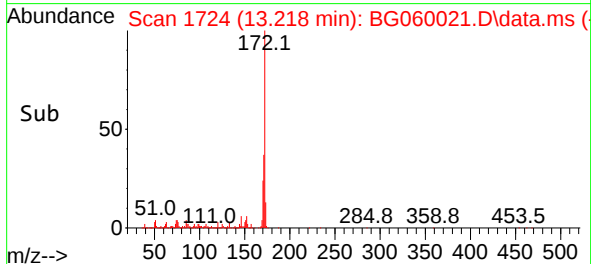
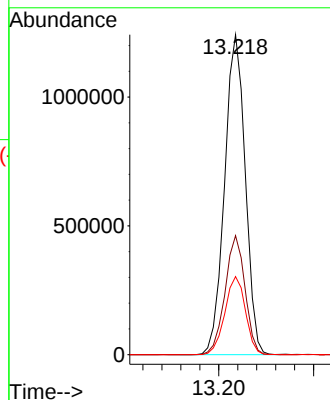
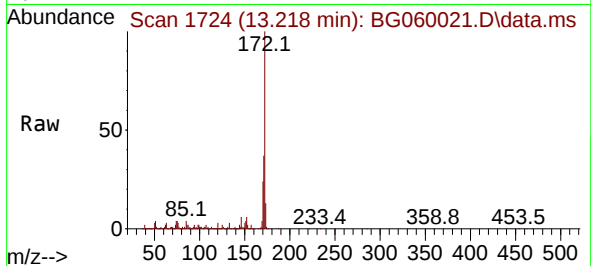




#45
2-Fluorobiphenyl
Concen: 78.716 ng
RT: 13.218 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG060021.D
Acq: 14 Dec 2023 21:04

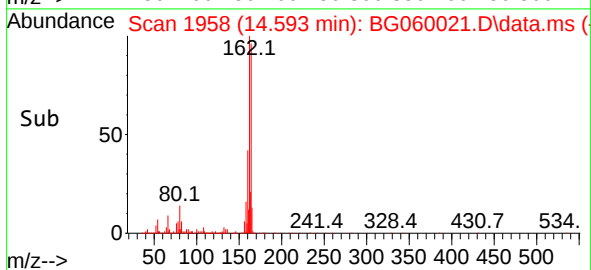
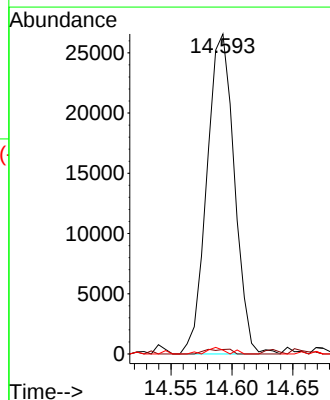
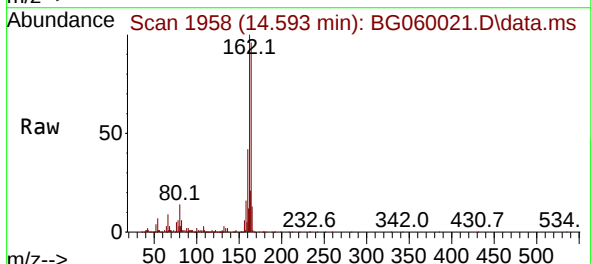
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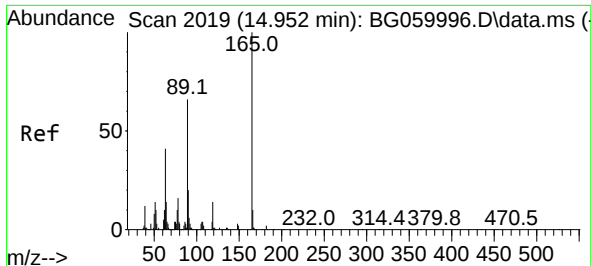
Tgt Ion:172 Resp: 1878303
Ion Ratio Lower Upper
172 100
171 37.2 30.1 45.1
170 24.4 20.0 30.0



#51
2,6-Dinitrotoluene
Concen: 8.872 ng
RT: 14.593 min Scan# 1958
Delta R.T. 0.427 min
Lab File: BG060021.D
Acq: 14 Dec 2023 21:04

Tgt Ion:165 Resp: 41663
Ion Ratio Lower Upper
165 100
63 1.4 48.2 72.2#
89 1.2 44.4 66.6#

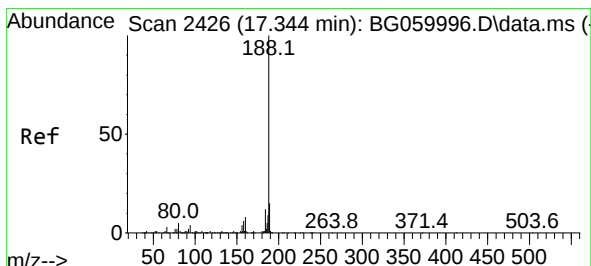
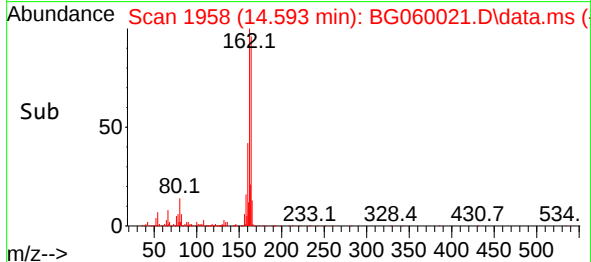
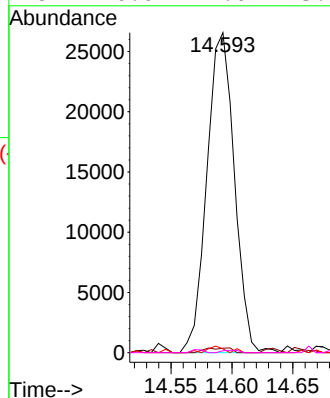
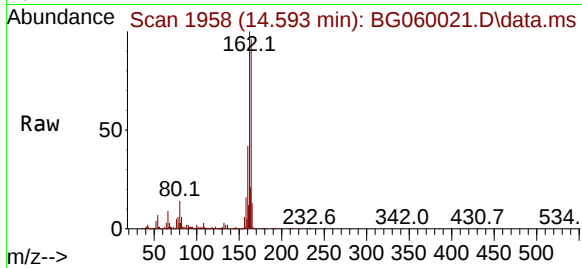




#57
2,4-Dinitrotoluene
Concen: 6.312 ng
RT: 14.593 min Scan# 1958
Delta R.T. -0.360 min
Lab File: BG060021.D
Acq: 14 Dec 2023 21:04

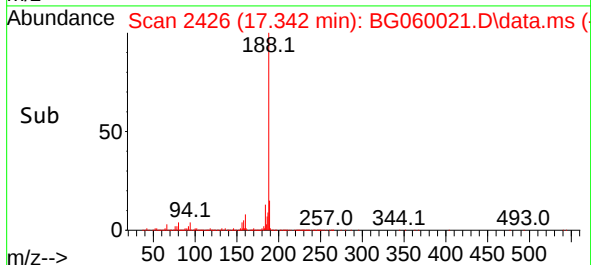
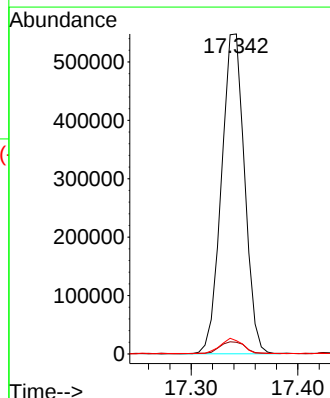
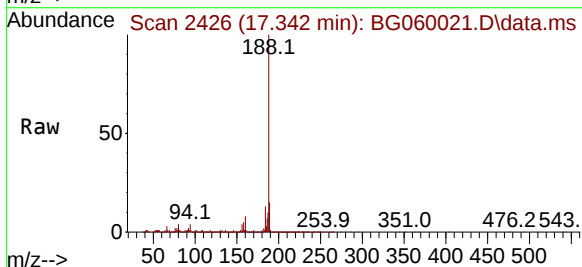
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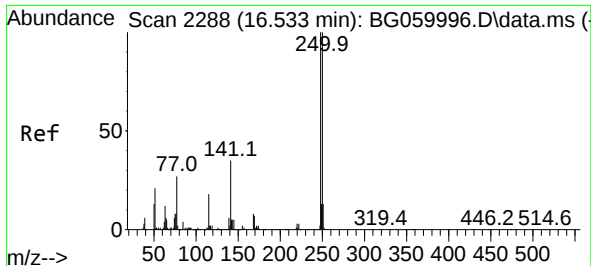
Tgt Ion:165 Resp: 41663
Ion Ratio Lower Upper
165 100
63 1.4 32.8 49.2#
89 1.2 53.0 79.6#
182 0.6 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.342 min Scan# 2426
Delta R.T. -0.002 min
Lab File: BG060021.D
Acq: 14 Dec 2023 21:04

Tgt Ion:188 Resp: 824700
Ion Ratio Lower Upper
188 100
94 3.7 3.0 4.6
80 4.1 4.0 6.0

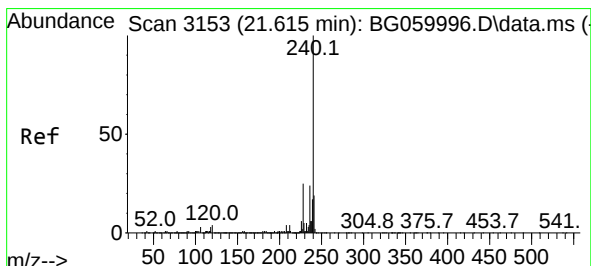
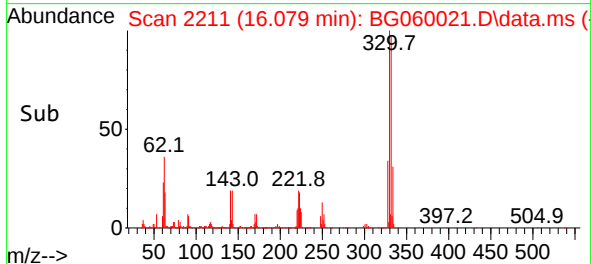
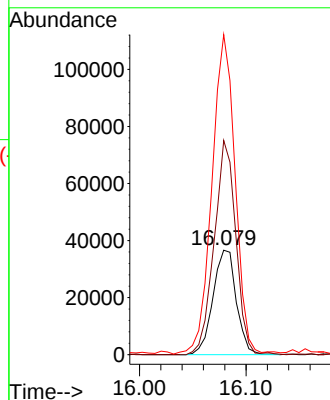
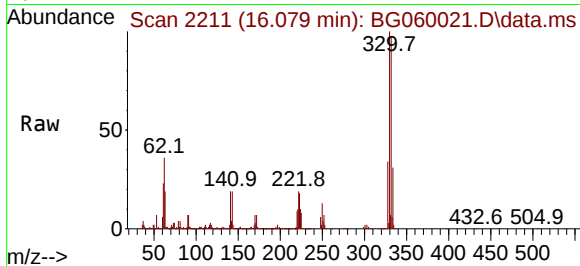




#67
4-Bromophenyl-phenylether
Concen: 4.789 ng
RT: 16.079 min Scan# 2111
Delta R.T. -0.454 min
Lab File: BG060021.D
Acq: 14 Dec 2023 21:04

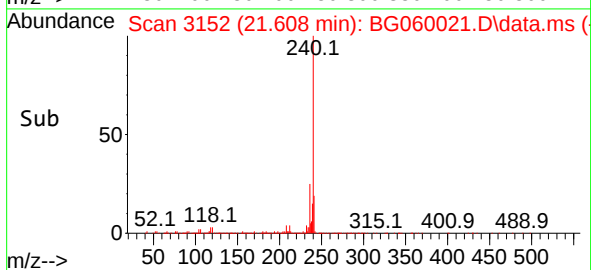
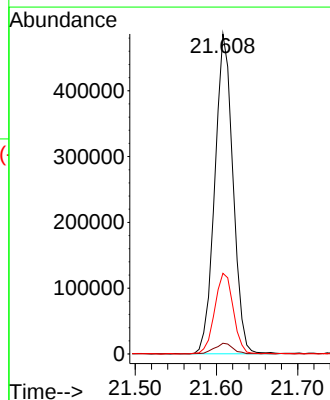
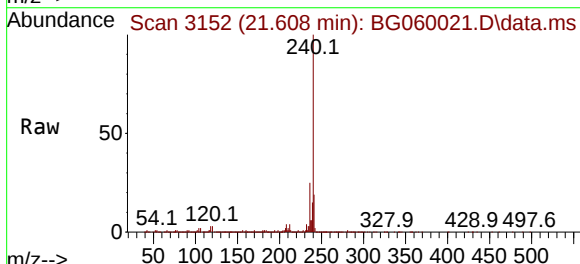
Instrument :
BNA_G
ClientSampleId :
WC-LIQUID-20231206

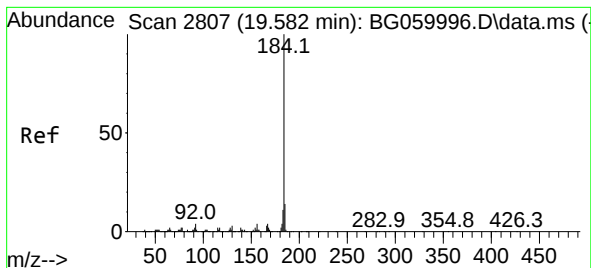
Tgt Ion:248 Resp: 55720
Ion Ratio Lower Upper
248 100
250 205.0 79.9 119.9#
141 306.2 28.3 42.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.608 min Scan# 3152
Delta R.T. -0.007 min
Lab File: BG060021.D
Acq: 14 Dec 2023 21:04

Tgt Ion:240 Resp: 755852
Ion Ratio Lower Upper
240 100
120 3.3 2.9 4.3
236 25.2 19.4 29.2





#77

Benzidine

Concen: 6.115 ng

RT: 19.963 min Scan# 2872

Delta R.T. 0.380 min

Lab File: BG060021.D

Acq: 14 Dec 2023 21:04

Instrument :

BNA_G

ClientSampleId :

WC-LIQUID-20231206

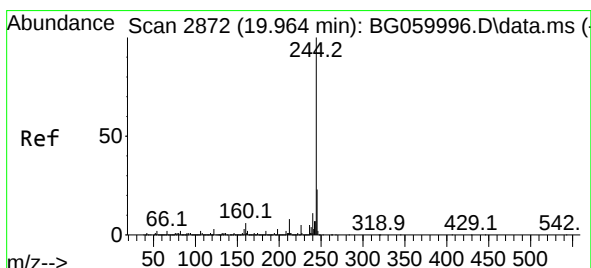
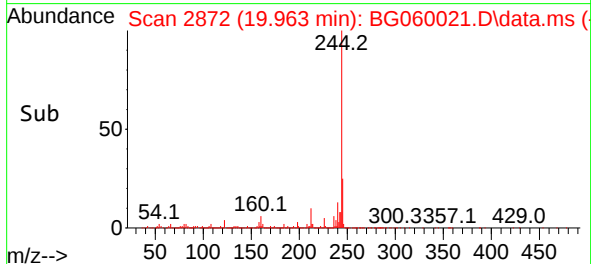
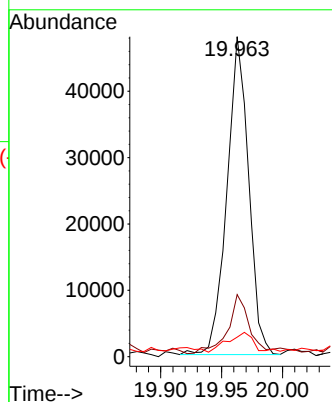
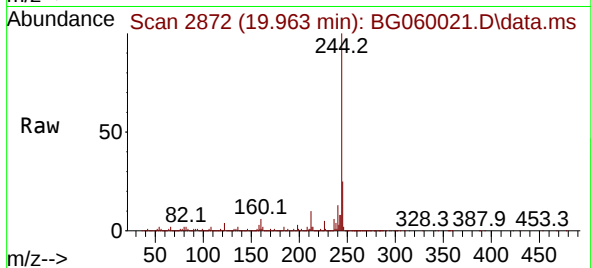
Tgt Ion:184 Resp: 59366

Ion Ratio Lower Upper

184 100

185 19.4 11.1 16.7#

183 6.1 9.0 13.4#



#79

Terphenyl-d14

Concen: 88.666 ng

RT: 19.963 min Scan# 2872

Delta R.T. -0.002 min

Lab File: BG060021.D

Acq: 14 Dec 2023 21:04

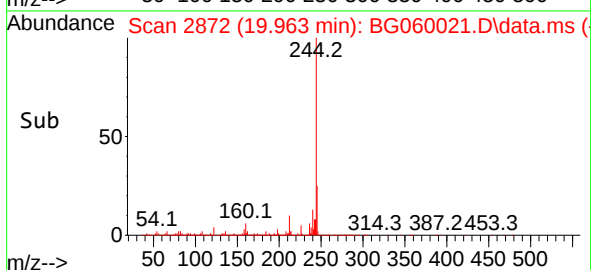
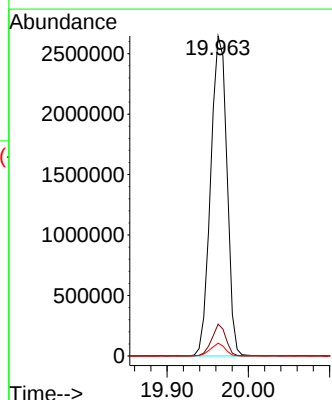
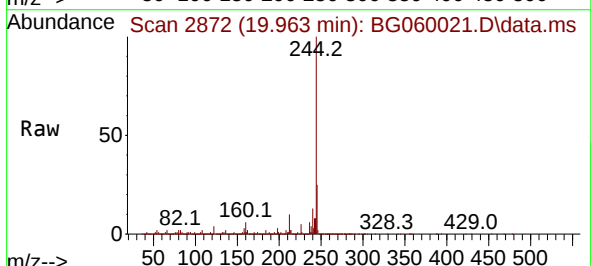
Tgt Ion:244 Resp: 3670791

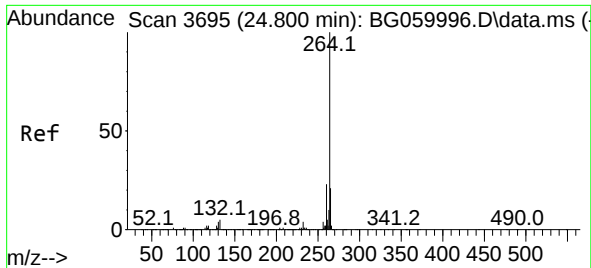
Ion Ratio Lower Upper

244 100

212 9.9 6.8 10.2

122 4.0 2.6 3.8#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.798 min Scan# 30
 Delta R.T. -0.002 min
 Lab File: BG060021.D
 Acq: 14 Dec 2023 21:04

Instrument :
 BNA_G
 ClientSampleId :
 WC-LIQUID-20231206

Tgt Ion:264 Resp: 894522
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.5 27.7
 265 21.6 17.3 25.9

