

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121523\
 Data File : BG060043.D
 Acq On : 15 Dec 2023 19:53
 Operator : MA/JU
 Sample : 05688-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-7

Quant Time: Dec 16 02:05:40 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)

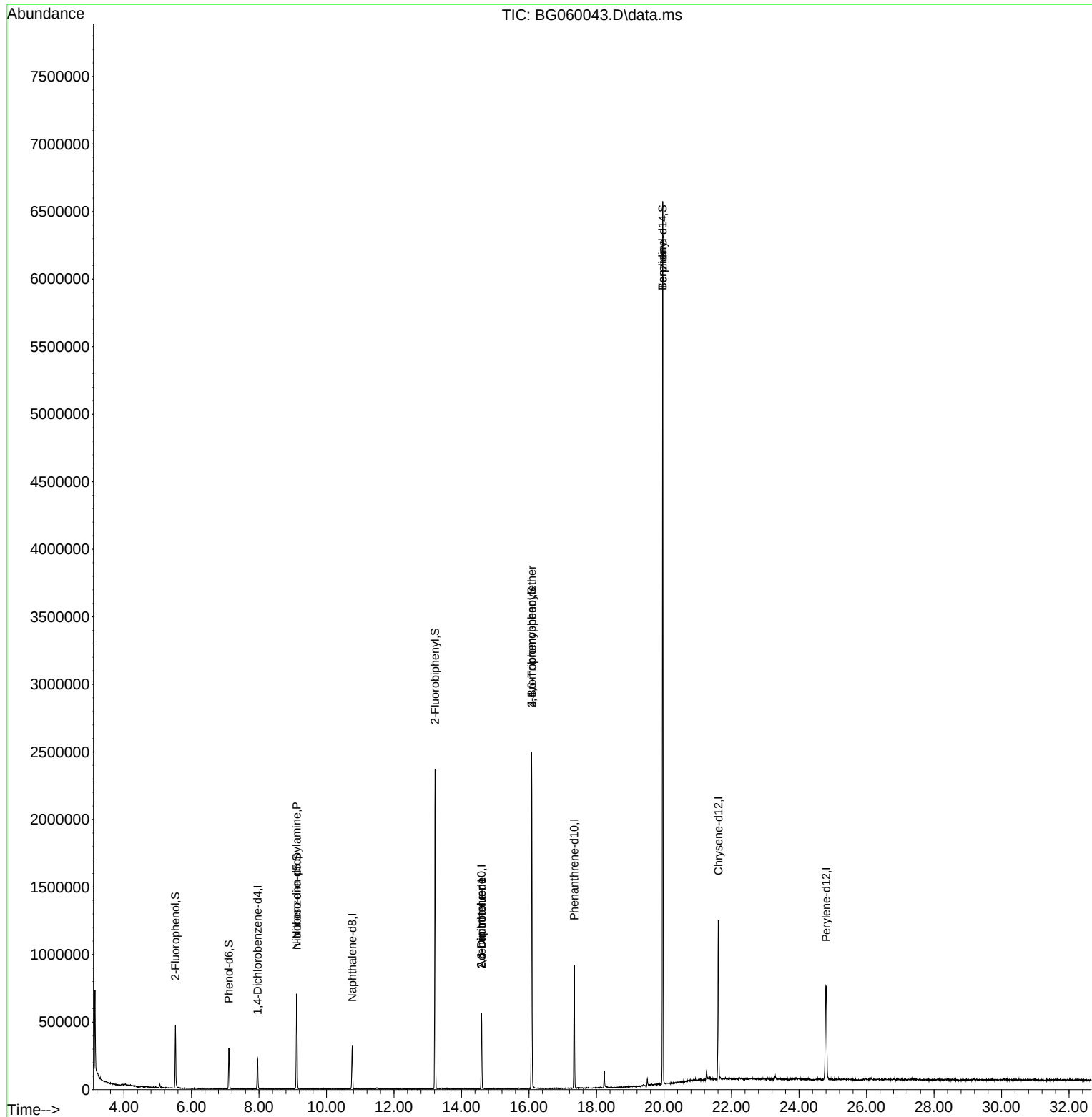
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.959	152	61273	20.000	ng	0.00
21) Naphthalene-d8	10.762	136	241447	20.000	ng	0.00
39) Acenaphthene-d10	14.592	164	196313	20.000	ng	0.00
64) Phenanthrene-d10	17.342	188	634655	20.000	ng	0.00
76) Chrysene-d12	21.608	240	754130	20.000	ng	0.00
86) Perylene-d12	24.804	264	881650	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.527	112	179474	50.142	ng	0.00
7) Phenol-d6	7.107	99	155932	30.970	ng	0.00
23) Nitrobenzene-d5	9.117	82	409410	76.996	ng	0.00
42) 2,4,6-Tribromophenol	16.079	330	578868	126.528	ng	0.00
45) 2-Fluorobiphenyl	13.218	172	1270272	79.194	ng	0.00
79) Terphenyl-d14	19.963	244	3429691	83.031	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	9.117	70	58397	17.977	ng	# 79
51) 2,6-Dinitrotoluene	14.592	165	26081	8.262	ng	# 24
57) 2,4-Dinitrotoluene	14.592	165	26081	5.878	ng	# 27
67) 4-Bromophenyl-phenylether	16.079	248	34425	3.844	ng	# 1
69) Atrazine	16.778	200	240	Below Cal		# 34
77) Benzidine	19.963	184	55285	5.707	ng	# 90

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

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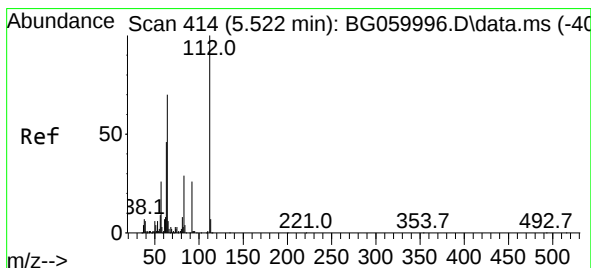
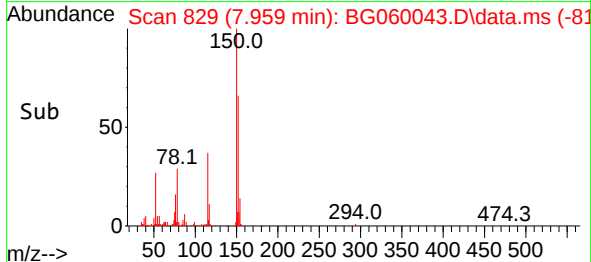
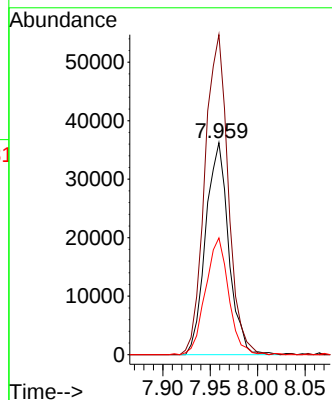
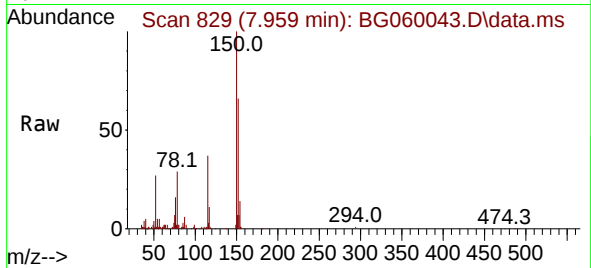




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.959 min Scan# 81
Delta R.T. 0.004 min
Lab File: BG060043.D
Acq: 15 Dec 2023 19:53

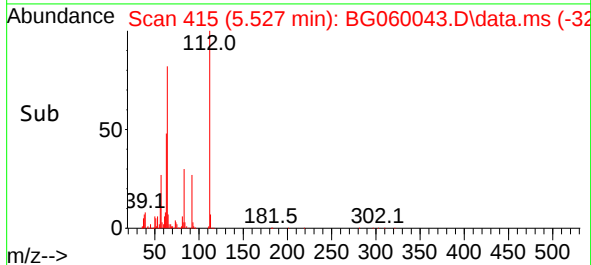
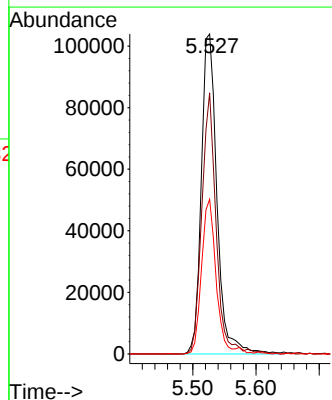
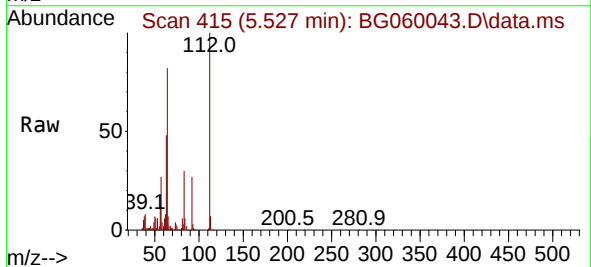
Instrument :
BNA_G
ClientSampleId :
MW-7

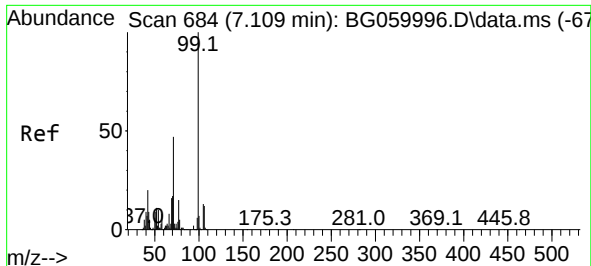
Tgt Ion:152 Resp: 61273
Ion Ratio Lower Upper
152 100
150 150.9 127.0 190.6
115 55.1 45.7 68.5



#5
2-Fluorophenol
Concen: 50.142 ng
RT: 5.527 min Scan# 415
Delta R.T. 0.005 min
Lab File: BG060043.D
Acq: 15 Dec 2023 19:53

Tgt Ion:112 Resp: 179474
Ion Ratio Lower Upper
112 100
64 81.6 55.9 83.9
63 48.3 36.5 54.7

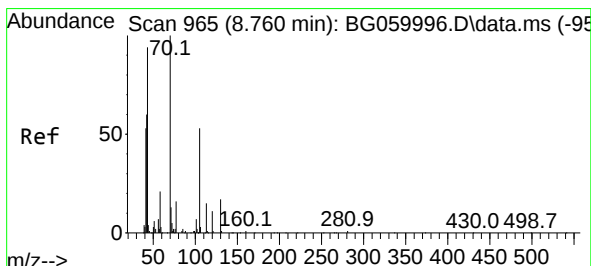
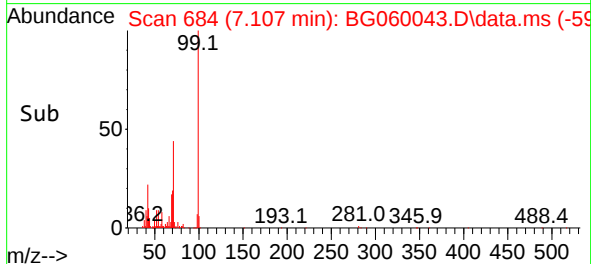
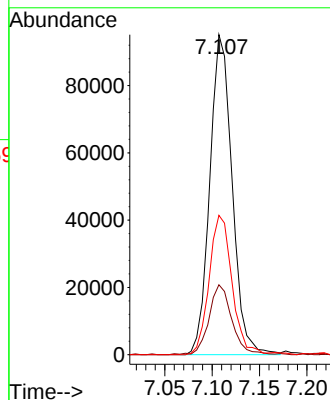
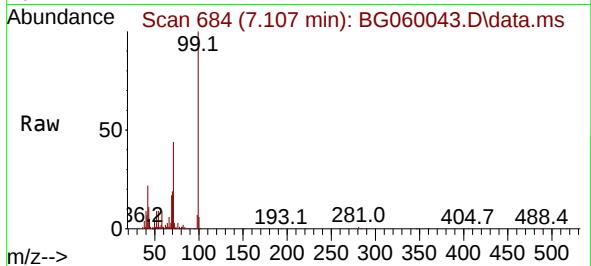




#7
Phenol-d6
Concen: 30.970 ng
RT: 7.107 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG060043.D
Acq: 15 Dec 2023 19:53

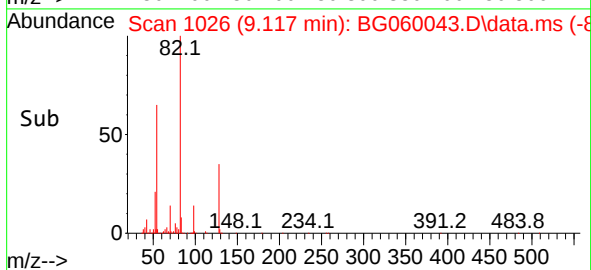
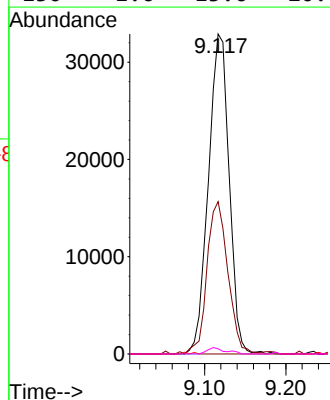
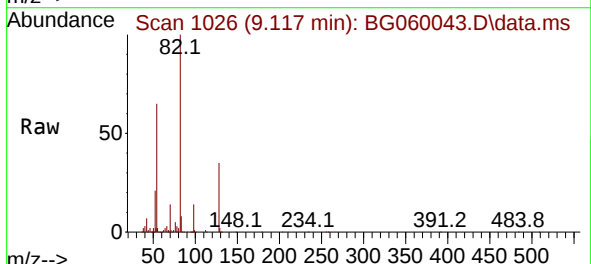
Instrument :
BNA_G
ClientSampleId :
MW-7

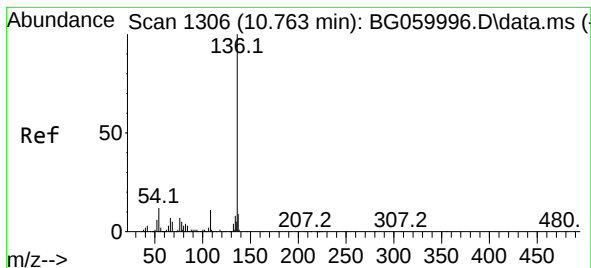
Tgt Ion: 99 Resp: 155932
Ion Ratio Lower Upper
99 100
42 21.8 16.2 24.4
71 43.5 37.6 56.4



#19
n-Nitroso-di-n-propylamine
Concen: 17.977 ng
RT: 9.117 min Scan# 1026
Delta R.T. 0.357 min
Lab File: BG060043.D
Acq: 15 Dec 2023 19:53

Tgt Ion: 70 Resp: 58397
Ion Ratio Lower Upper
70 100
42 47.6 48.6 73.0#
101 0.0 5.7 8.5#
130 1.6 13.6 20.4#

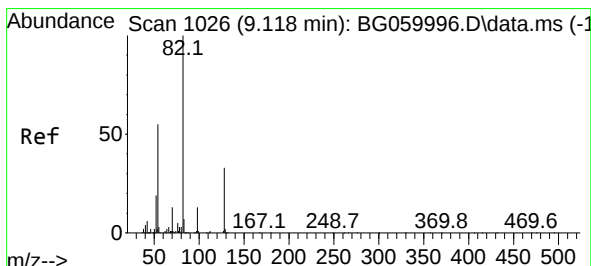
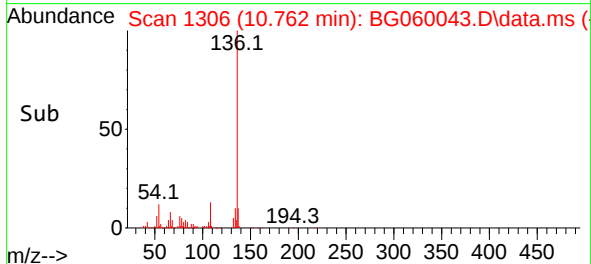
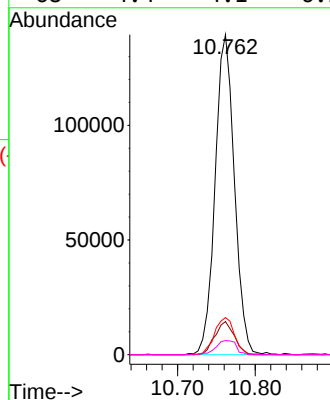
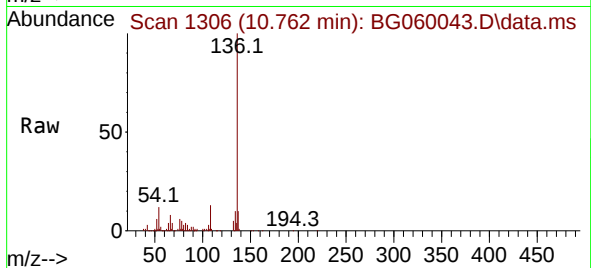




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.762 min Scan# 1306
Delta R.T. -0.002 min
Lab File: BG060043.D
Acq: 15 Dec 2023 19:53

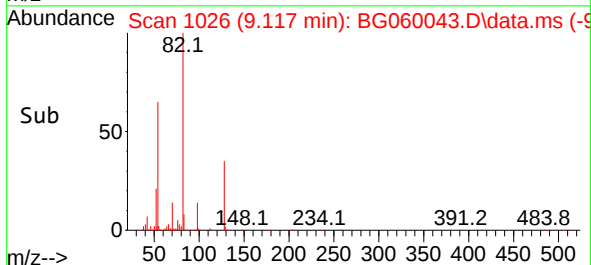
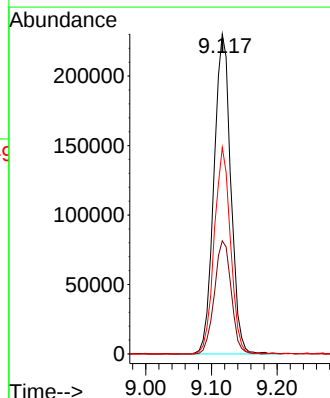
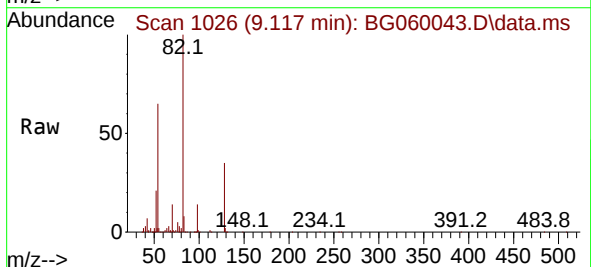
Instrument :
BNA_G
ClientSampleId :
MW-7

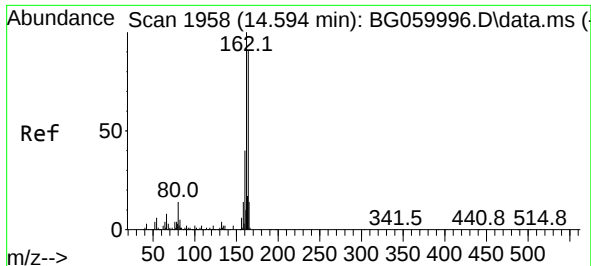
Tgt Ion:	136	Resp:	241447
Ion	Ratio	Lower	Upper
136	100		
137	10.4	7.3	10.9
54	11.6	9.6	14.4
68	4.4	4.1	6.1



#23
Nitrobenzene-d5
Concen: 76.996 ng
RT: 9.117 min Scan# 1026
Delta R.T. -0.002 min
Lab File: BG060043.D
Acq: 15 Dec 2023 19:53

Tgt Ion:	82	Resp:	409410
Ion	Ratio	Lower	Upper
82	100		
128	35.3	26.3	39.5
54	64.5	44.3	66.5

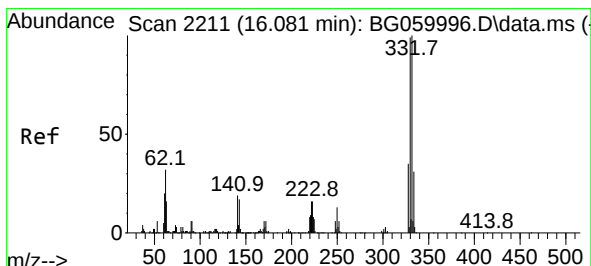
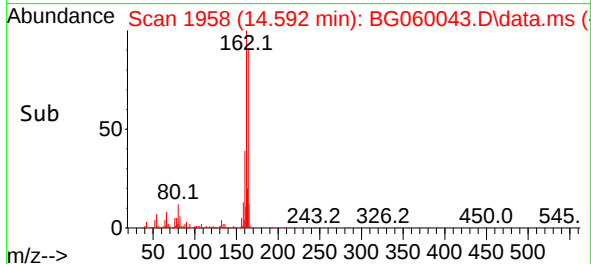
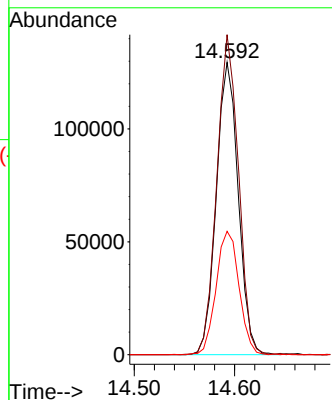
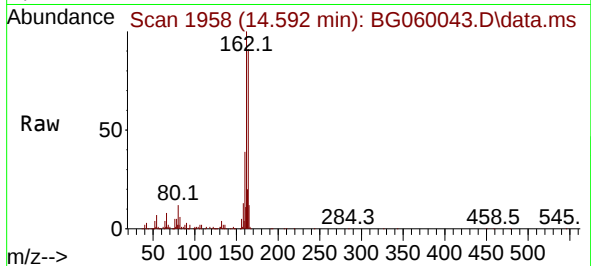




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.592 min Scan# 1958
Delta R.T. -0.002 min
Lab File: BG060043.D
Acq: 15 Dec 2023 19:53

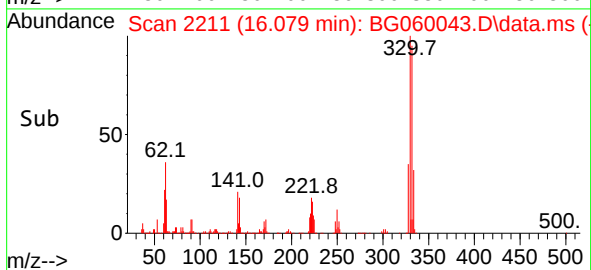
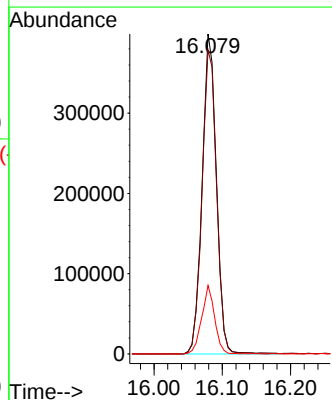
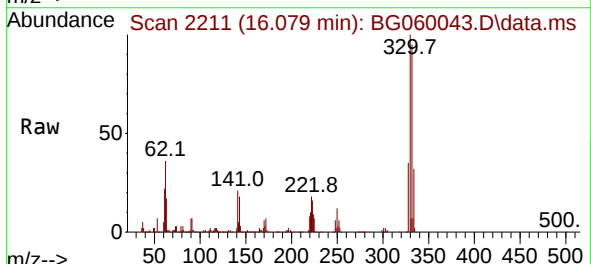
Instrument :
BNA_G
ClientSampleId :
MW-7

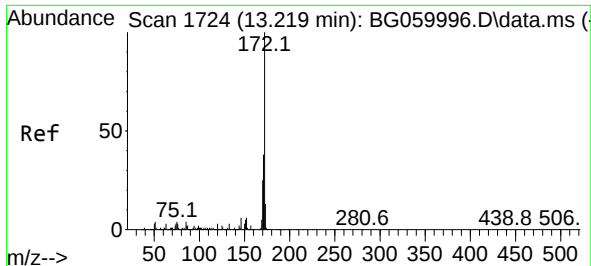
Tgt Ion:164 Resp: 196313
Ion Ratio Lower Upper
164 100
162 109.5 88.1 132.1
160 42.2 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 126.528 ng
RT: 16.079 min Scan# 2211
Delta R.T. -0.002 min
Lab File: BG060043.D
Acq: 15 Dec 2023 19:53

Tgt Ion:330 Resp: 578868
Ion Ratio Lower Upper
330 100
332 96.4 76.2 114.4
141 19.5 14.3 21.5

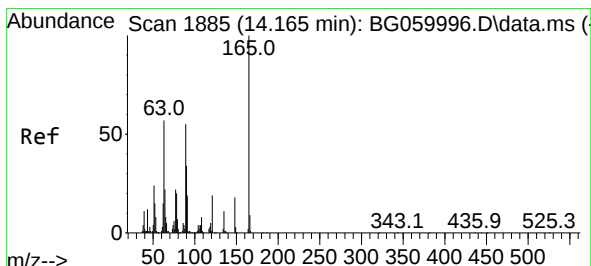
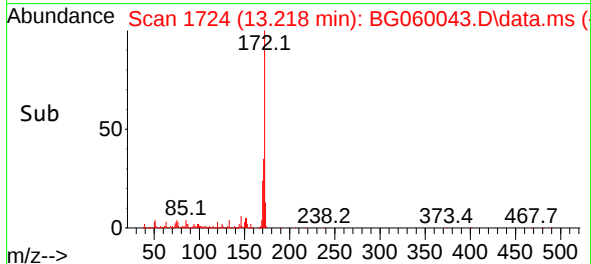
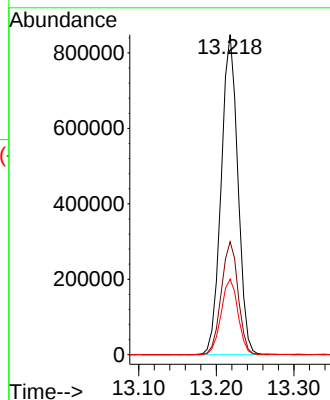
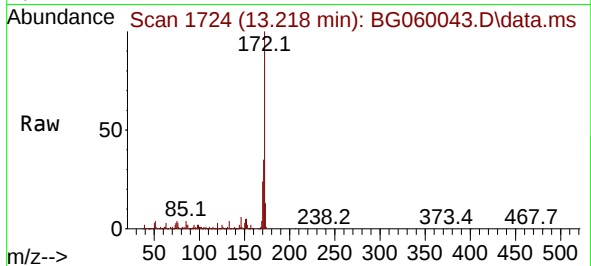




#45
2-Fluorobiphenyl
Concen: 79.194 ng
RT: 13.218 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG060043.D
Acq: 15 Dec 2023 19:53

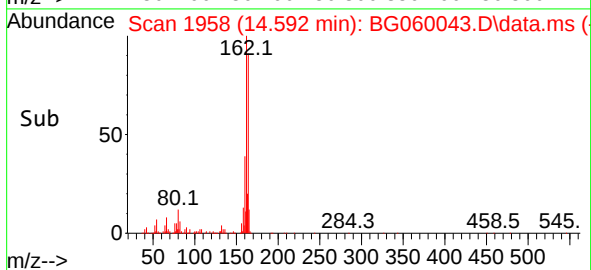
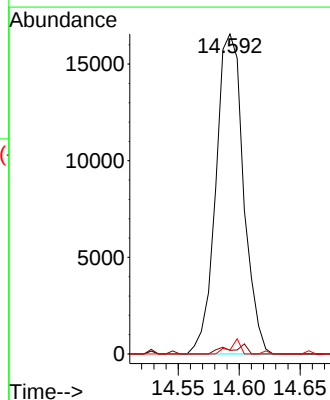
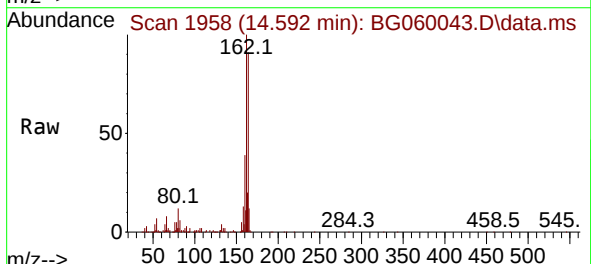
Instrument :
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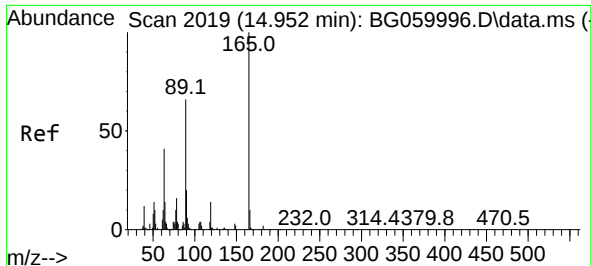
Tgt Ion:172 Resp: 1270272
Ion Ratio Lower Upper
172 100
171 35.3 30.1 45.1
170 23.6 20.0 30.0



#51
2,6-Dinitrotoluene
Concen: 8.262 ng
RT: 14.592 min Scan# 1958
Delta R.T. 0.427 min
Lab File: BG060043.D
Acq: 15 Dec 2023 19:53

Tgt Ion:165 Resp: 26081
Ion Ratio Lower Upper
165 100
63 1.2 48.2 72.2#
89 1.2 44.4 66.6#

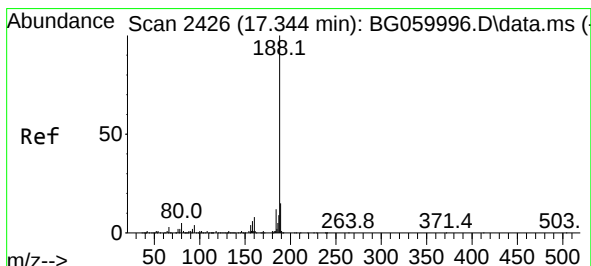
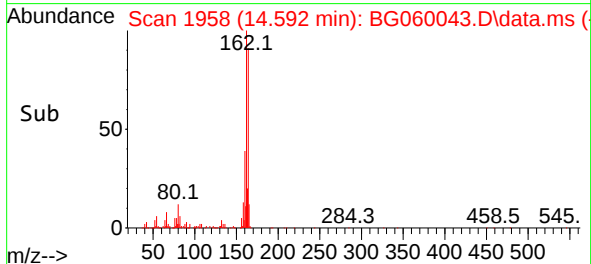
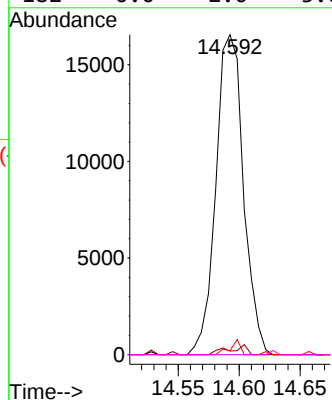
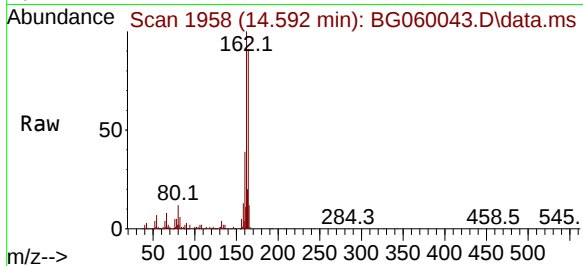




#57
2,4-Dinitrotoluene
Concen: 5.878 ng
RT: 14.592 min Scan# 1958
Delta R.T. -0.360 min
Lab File: BG060043.D
Acq: 15 Dec 2023 19:53

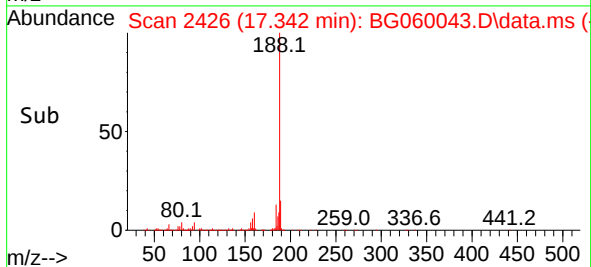
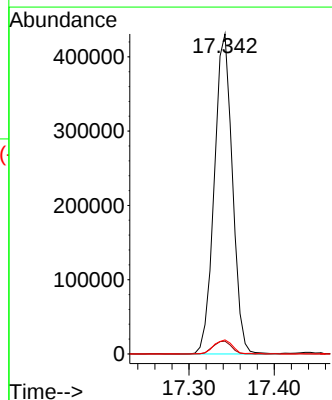
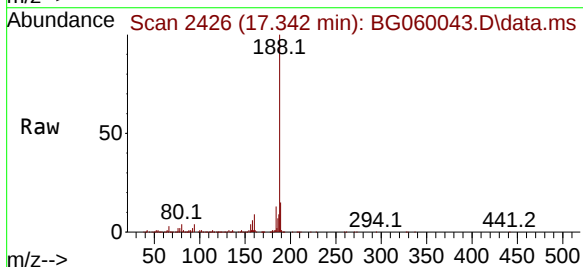
Instrument :
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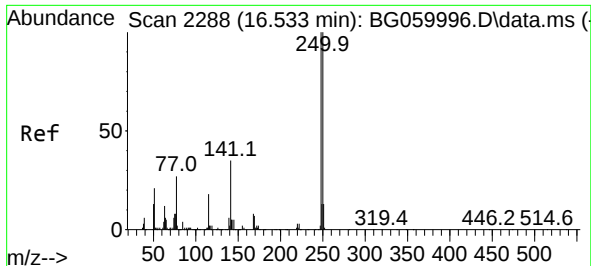
Tgt Ion:	165	Resp:	26081
Ion	Ratio	Lower	Upper
165	100		
63	1.2	32.8	49.2#
89	1.2	53.0	79.6#
182	0.0	2.0	3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.342 min Scan# 2426
Delta R.T. -0.002 min
Lab File: BG060043.D
Acq: 15 Dec 2023 19:53

Tgt Ion:	188	Resp:	634655
Ion	Ratio	Lower	Upper
188	100		
94	4.0	3.0	4.6
80	4.4	4.0	6.0

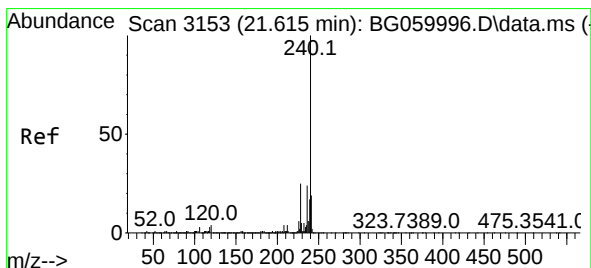
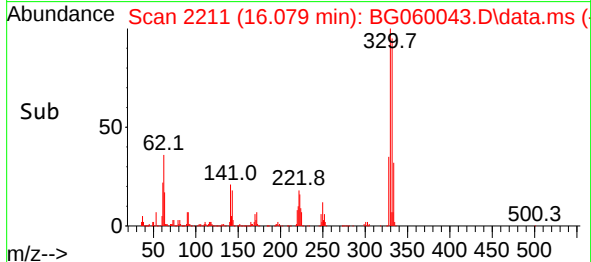
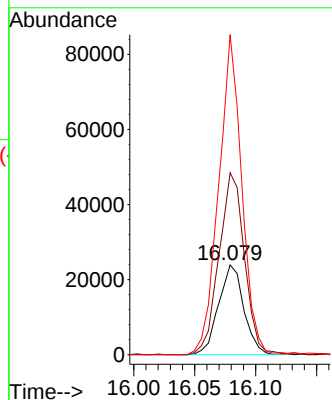
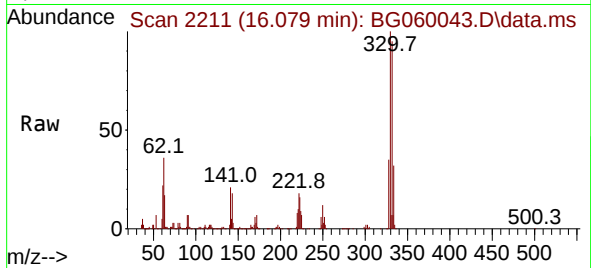




#67
4-Bromophenyl-phenylether
Concen: 3.844 ng
RT: 16.079 min Scan# 21
Delta R.T. -0.454 min
Lab File: BG060043.D
Acq: 15 Dec 2023 19:53

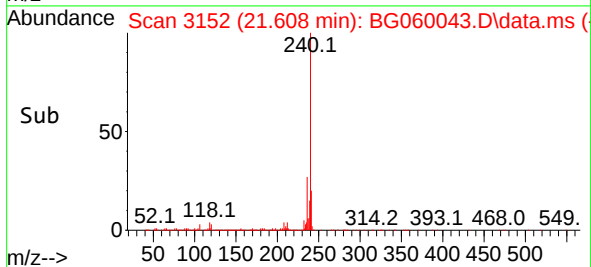
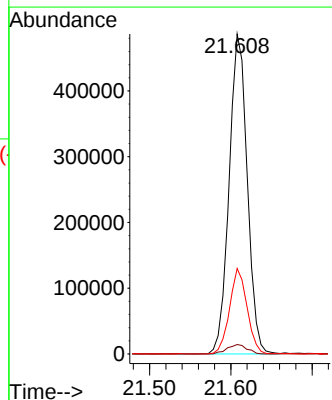
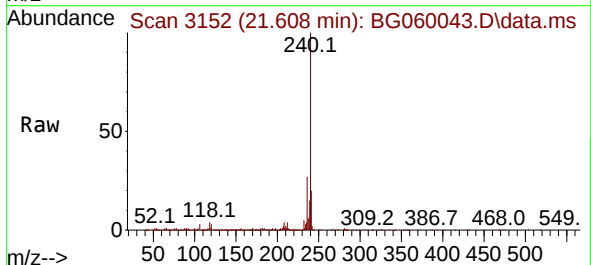
Instrument :
BNA_G
ClientSampleId :
MW-7

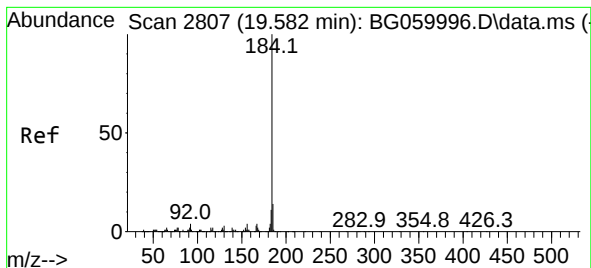
Tgt Ion:248 Resp: 34425
Ion Ratio Lower Upper
248 100
250 202.6 79.9 119.9#
141 356.6 28.3 42.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.608 min Scan# 3152
Delta R.T. -0.007 min
Lab File: BG060043.D
Acq: 15 Dec 2023 19:53

Tgt Ion:240 Resp: 754130
Ion Ratio Lower Upper
240 100
120 3.0 2.9 4.3
236 26.7 19.4 29.2





#77

Benzidine

Concen: 5.707 ng

RT: 19.963 min Scan# 2872

Delta R.T. 0.380 min

Lab File: BG060043.D

Acq: 15 Dec 2023 19:53

Instrument :

BNA_G

ClientSampleId :

MW-7

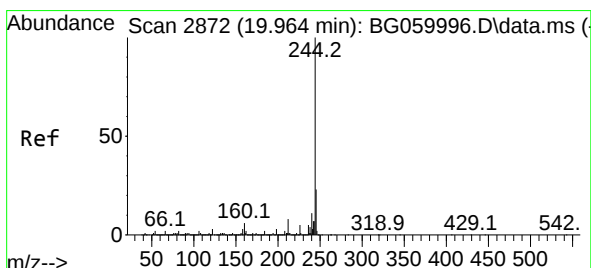
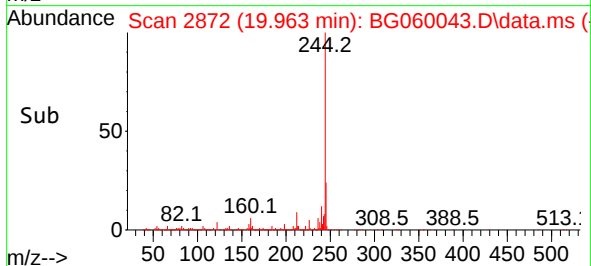
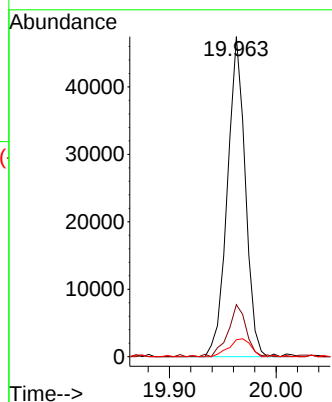
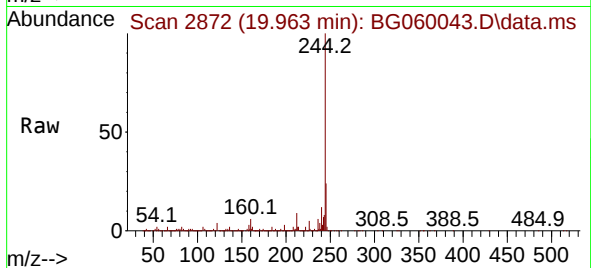
Tgt Ion:184 Resp: 55285

Ion Ratio Lower Upper

184 100

185 16.2 11.1 16.7

183 5.3 9.0 13.4#



#79

Terphenyl-d14

Concen: 83.031 ng

RT: 19.963 min Scan# 2872

Delta R.T. -0.002 min

Lab File: BG060043.D

Acq: 15 Dec 2023 19:53

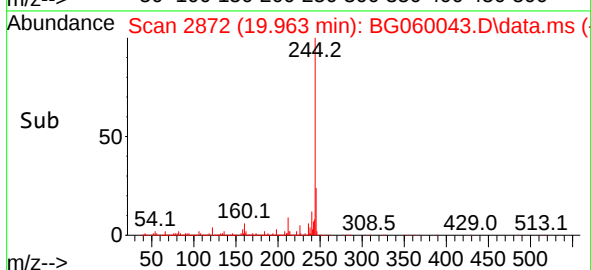
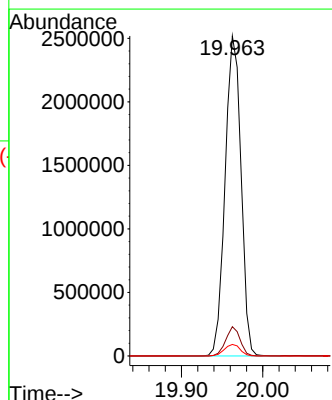
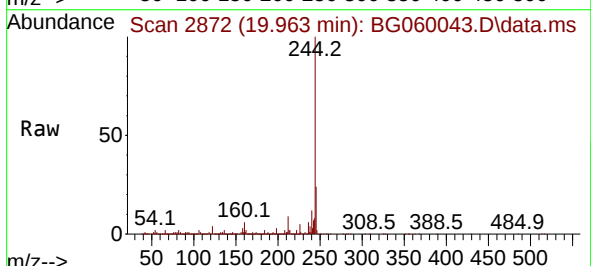
Tgt Ion:244 Resp: 3429691

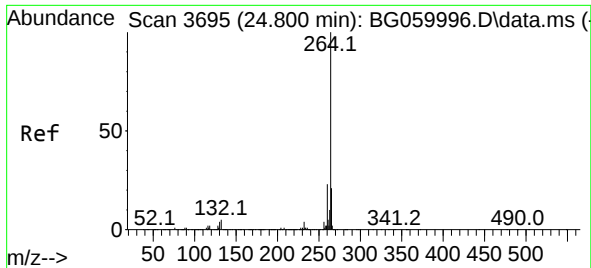
Ion Ratio Lower Upper

244 100

212 9.2 6.8 10.2

122 3.6 2.6 3.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.804 min Scan# 30
Delta R.T. 0.004 min
Lab File: BG060043.D
Acq: 15 Dec 2023 19:53

Instrument :
BNA_G
ClientSampleId :
MW-7

Tgt Ion:264 Resp: 881650

Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.5	27.7
265	20.5	17.3	25.9

