

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121523\
 Data File : BG060038.D
 Acq On : 15 Dec 2023 16:31
 Operator : MA/JU
 Sample : 05670-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-4

Quant Time: Dec 16 02:03:05 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)

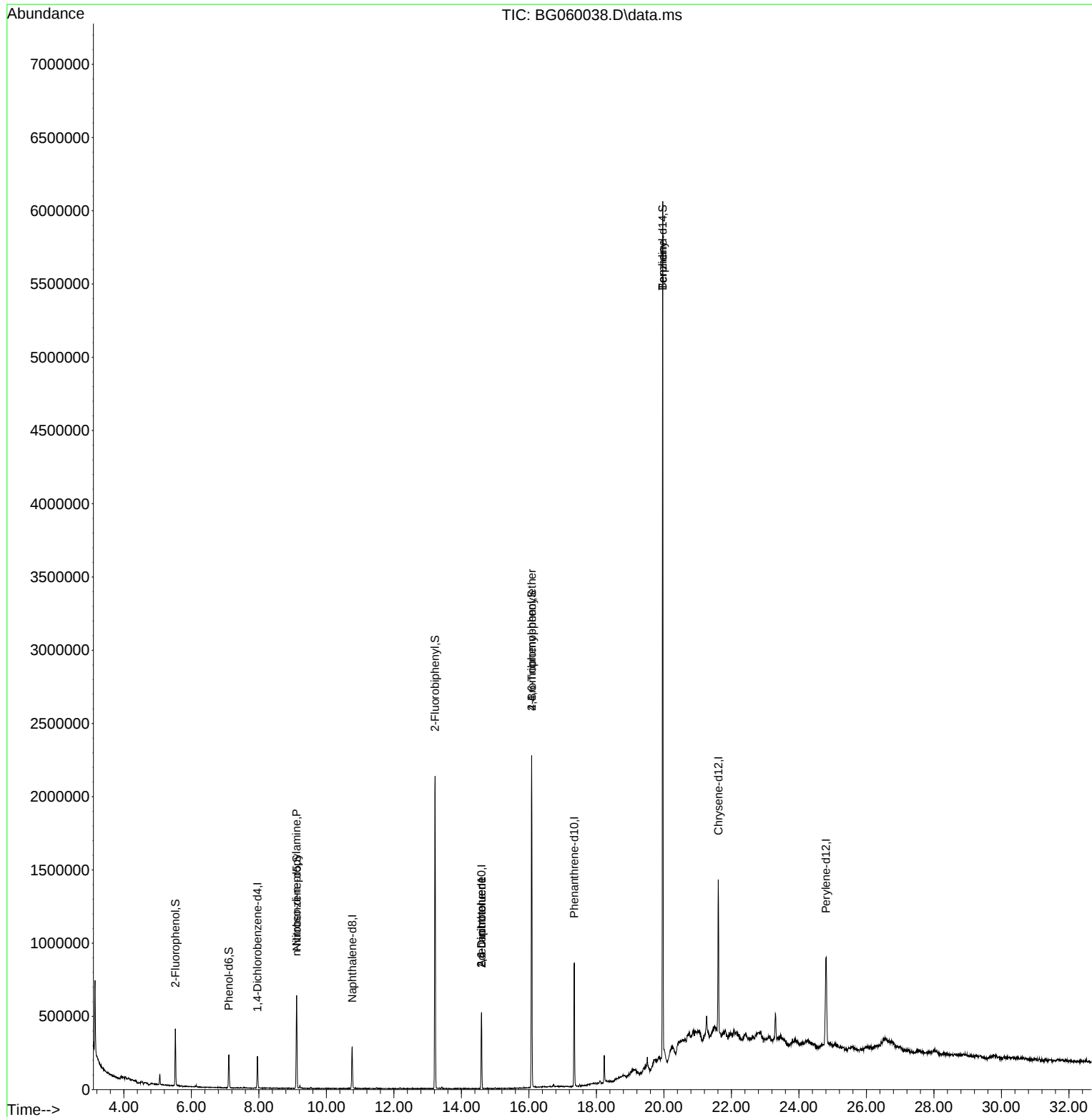
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.956	152	56623	20.000	ng	0.00
21) Naphthalene-d8	10.764	136	223802	20.000	ng	0.00
39) Acenaphthene-d10	14.595	164	183166	20.000	ng	0.00
64) Phenanthrene-d10	17.345	188	597823	20.000	ng	0.00
76) Chrysene-d12	21.610	240	671138	20.000	ng	0.00
86) Perylene-d12	24.801	264	778262	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.529	112	140614	42.511	ng	0.00
7) Phenol-d6	7.110	99	119043	25.585	ng	0.00
23) Nitrobenzene-d5	9.119	82	366485	74.358	ng	0.00
42) 2,4,6-Tribromophenol	16.082	330	546558	128.041	ng	0.00
45) 2-Fluorobiphenyl	13.220	172	1186804	79.301	ng	0.00
79) Terphenyl-d14	19.965	244	3180430	86.518	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.113	70	51169	17.046	ng	Qvalue
51) 2,6-Dinitrotoluene	14.595	165	24674	8.378	ng	# 76
57) 2,4-Dinitrotoluene	14.595	165	24674	5.960	ng	# 23
67) 4-Bromophenyl-phenylether	16.082	248	32371	3.838	ng	# 26
69) Atrazine	17.004	200	77	Below Cal		# 1
77) Benzidine	19.965	184	50098	5.811	ng	# 72

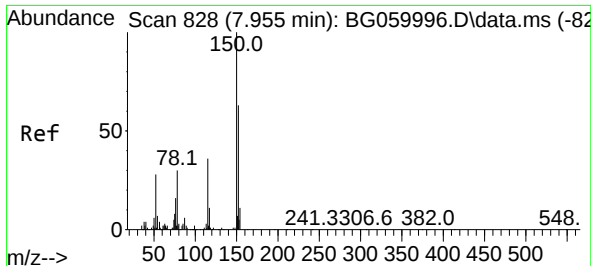
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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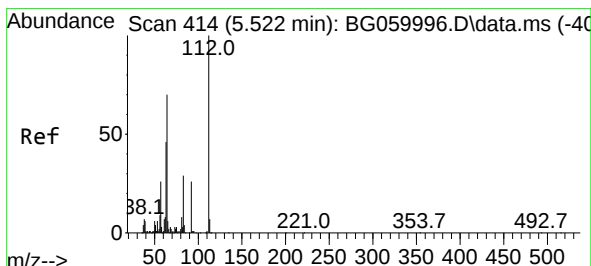
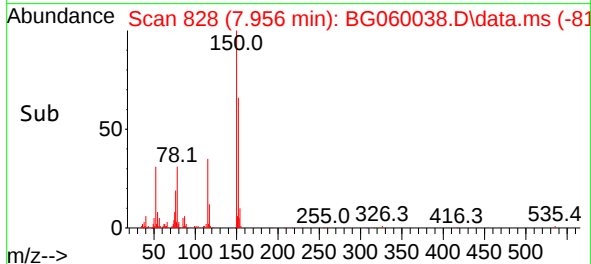
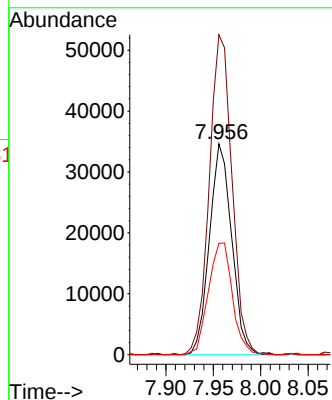
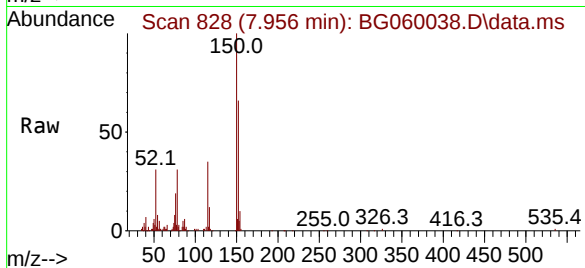




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.956 min Scan# 81
Delta R.T. 0.001 min
Lab File: BG060038.D
Acq: 15 Dec 2023 16:31

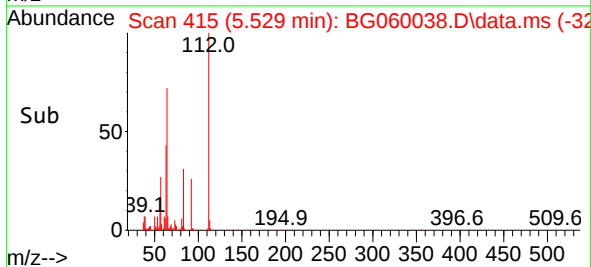
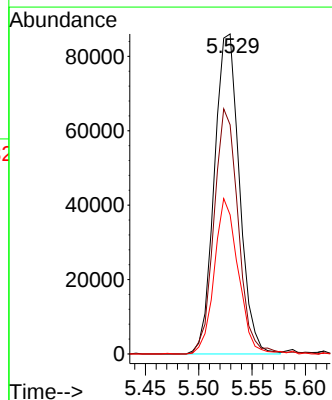
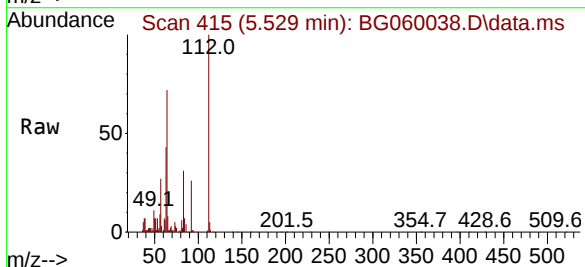
Instrument :
BNA_G
ClientSampleId :
MW-4

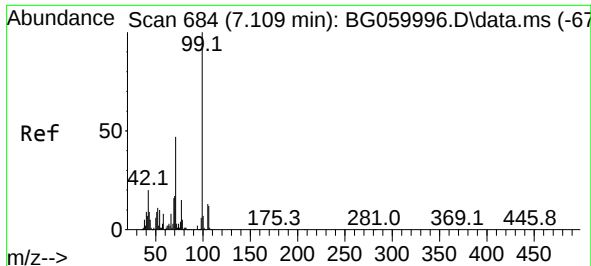
Tgt Ion:152 Resp: 56623
Ion Ratio Lower Upper
152 100
150 151.7 127.0 190.6
115 52.8 45.7 68.5



#5
2-Fluorophenol
Concen: 42.511 ng
RT: 5.529 min Scan# 415
Delta R.T. 0.007 min
Lab File: BG060038.D
Acq: 15 Dec 2023 16:31

Tgt Ion:112 Resp: 140614
Ion Ratio Lower Upper
112 100
64 71.6 55.9 83.9
63 43.5 36.5 54.7

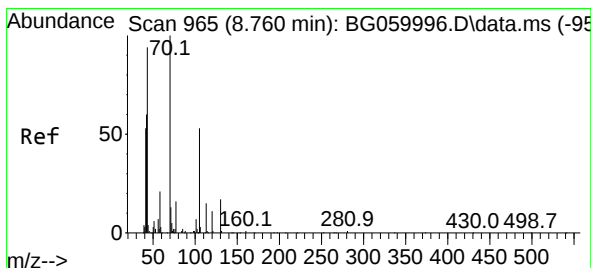
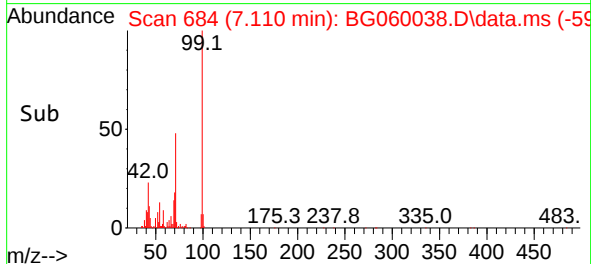
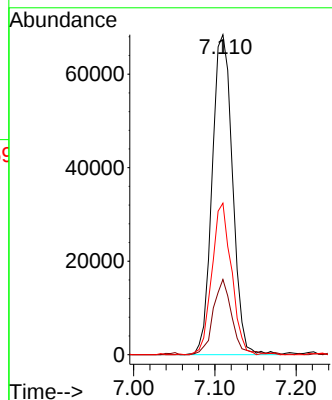
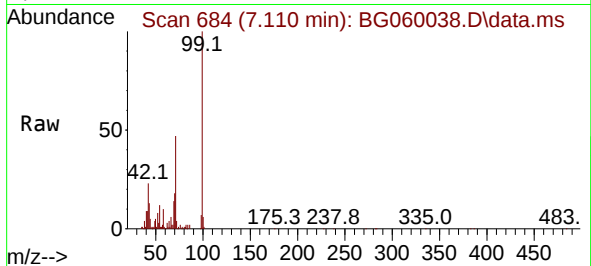




#7
Phenol-d6
Concen: 25.585 ng
RT: 7.110 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG060038.D
Acq: 15 Dec 2023 16:31

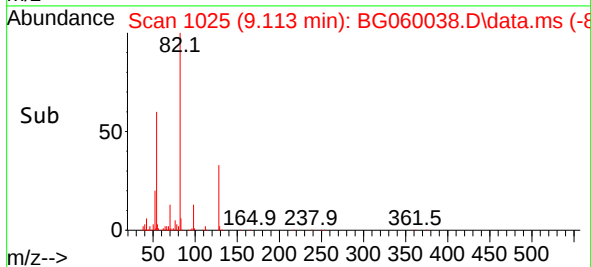
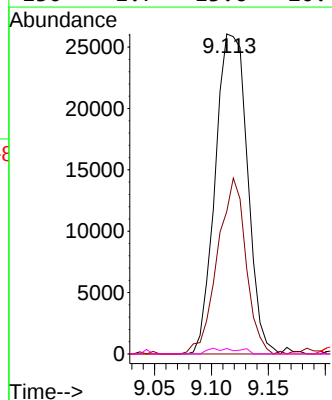
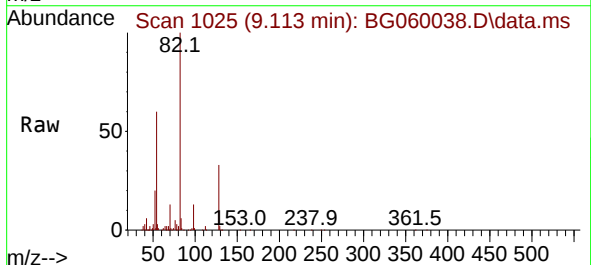
Instrument :
BNA_G
ClientSampleId :
MW-4

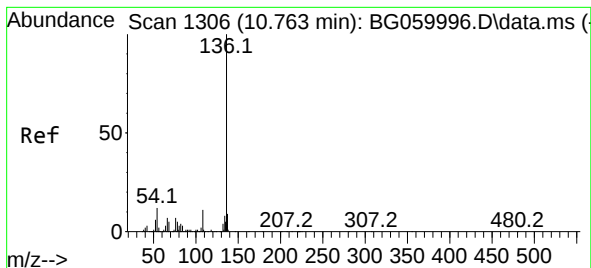
Tgt Ion: 99 Resp: 119043
Ion Ratio Lower Upper
99 100
42 23.5 16.2 24.4
71 47.3 37.6 56.4



#19
n-Nitroso-di-n-propylamine
Concen: 17.046 ng
RT: 9.113 min Scan# 1025
Delta R.T. 0.354 min
Lab File: BG060038.D
Acq: 15 Dec 2023 16:31

Tgt Ion: 70 Resp: 51169
Ion Ratio Lower Upper
70 100
42 44.5 48.6 73.0#
101 0.0 5.7 8.5#
130 1.7 13.6 20.4#

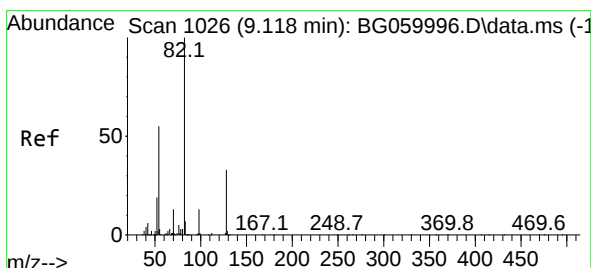
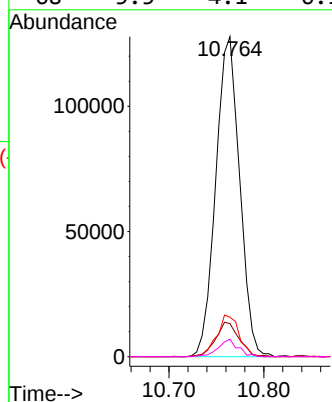
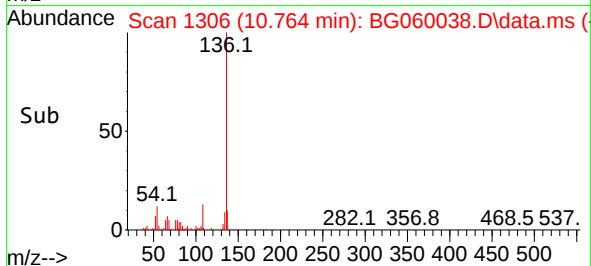
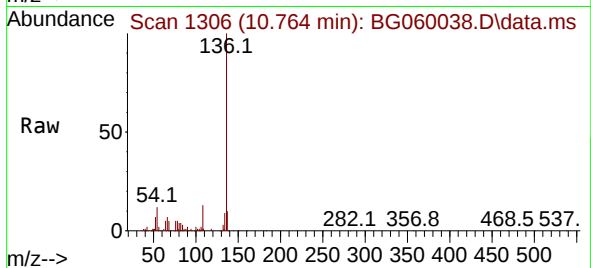




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.764 min Scan# 1306
Delta R.T. 0.001 min
Lab File: BG060038.D
Acq: 15 Dec 2023 16:31

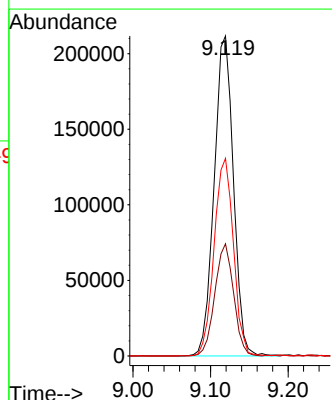
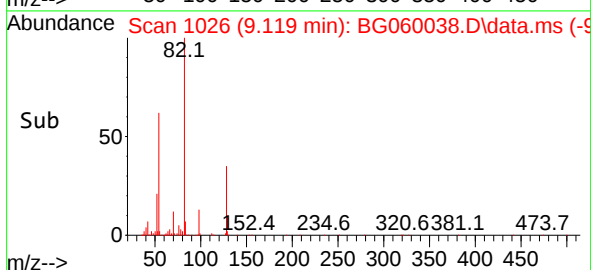
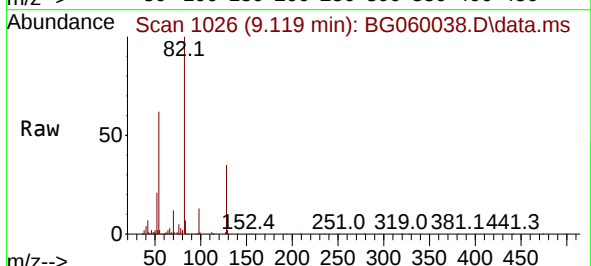
Instrument :
BNA_G
ClientSampleId :
MW-4

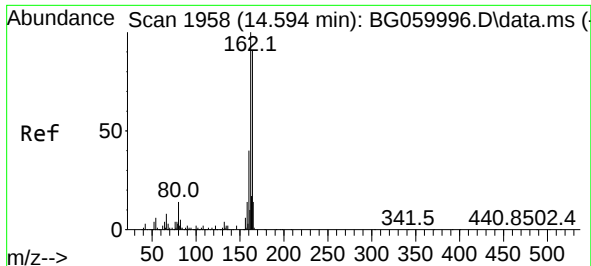
Tgt Ion:	136	Resp:	223802
Ion Ratio	Lower	Upper	
136	100		
137	10.3	7.3	10.9
54	12.3	9.6	14.4
68	5.5	4.1	6.1



#23
Nitrobenzene-d5
Concen: 74.358 ng
RT: 9.119 min Scan# 1026
Delta R.T. 0.001 min
Lab File: BG060038.D
Acq: 15 Dec 2023 16:31

Tgt Ion:	82	Resp:	366485
Ion Ratio	Lower	Upper	
82	100		
128	35.1	26.3	39.5
54	61.7	44.3	66.5

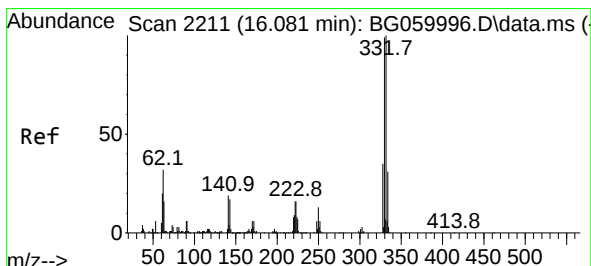
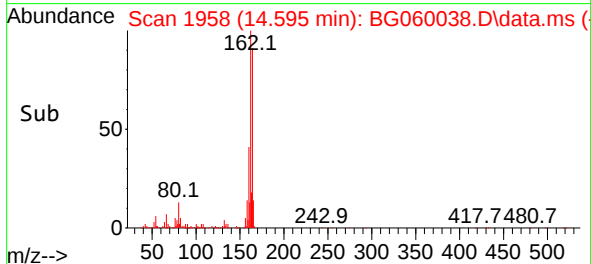
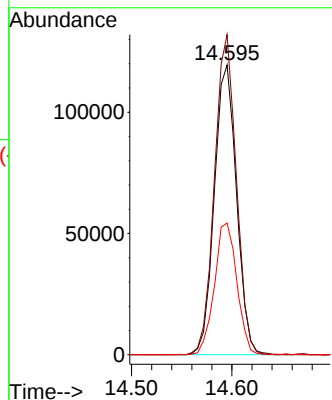
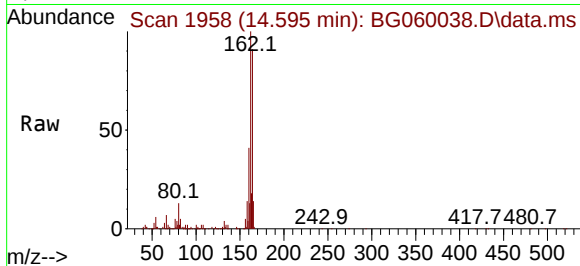




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.595 min Scan# 1958
Delta R.T. 0.001 min
Lab File: BG060038.D
Acq: 15 Dec 2023 16:31

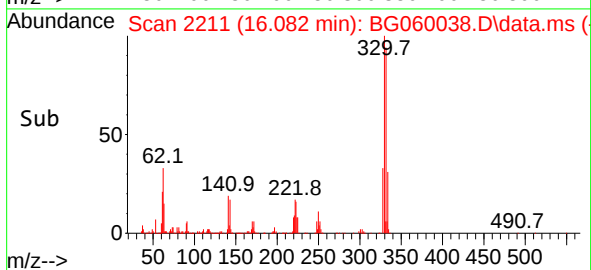
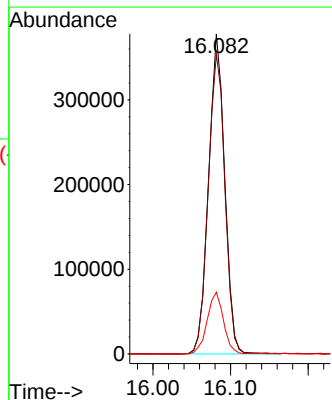
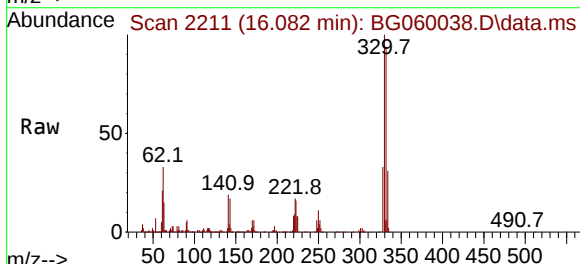
Instrument :
BNA_G
ClientSampleId :
MW-4

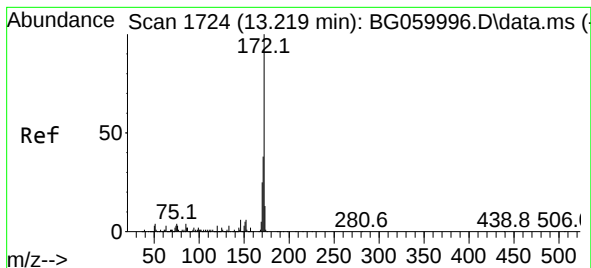
Tgt Ion:164 Resp: 183166
Ion Ratio Lower Upper
164 100
162 110.4 88.1 132.1
160 45.4 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 128.041 ng
RT: 16.082 min Scan# 2211
Delta R.T. 0.001 min
Lab File: BG060038.D
Acq: 15 Dec 2023 16:31

Tgt Ion:330 Resp: 546558
Ion Ratio Lower Upper
330 100
332 96.9 76.2 114.4
141 19.5 14.3 21.5

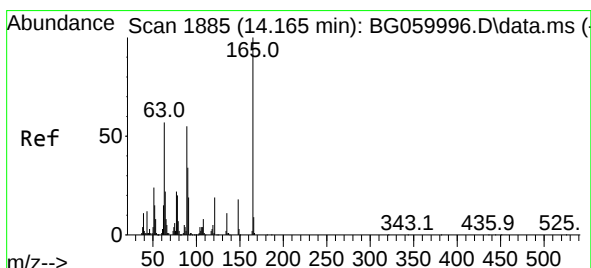
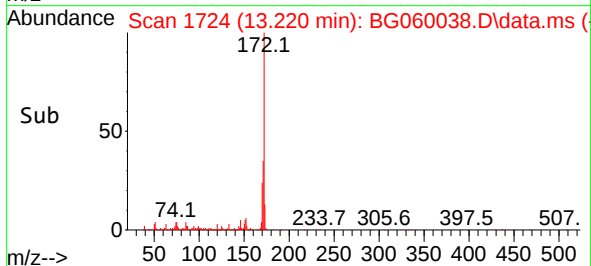
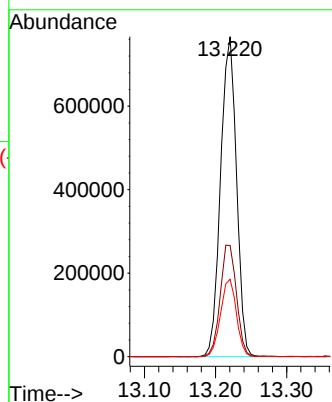
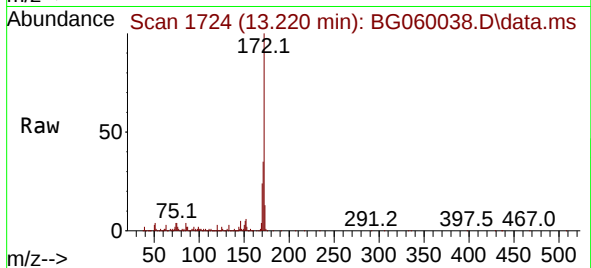




#45
2-Fluorobiphenyl
Concen: 79.301 ng
RT: 13.220 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG060038.D
Acq: 15 Dec 2023 16:31

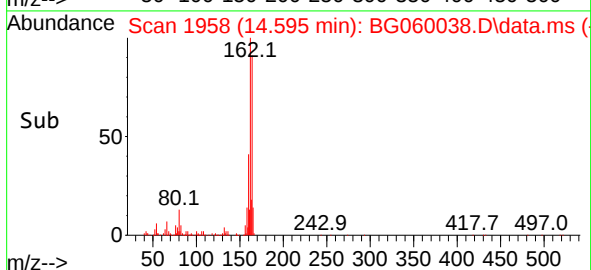
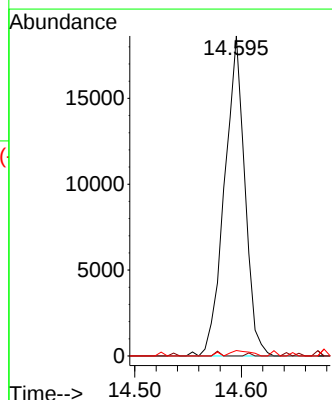
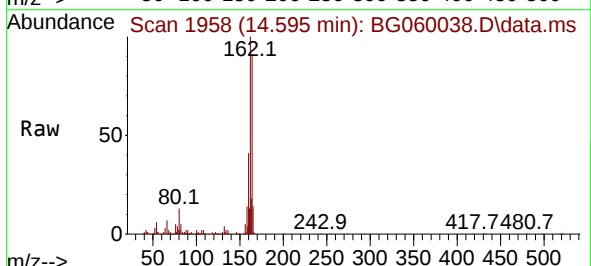
Instrument :
BNA_G
ClientSampleId :
MW-4

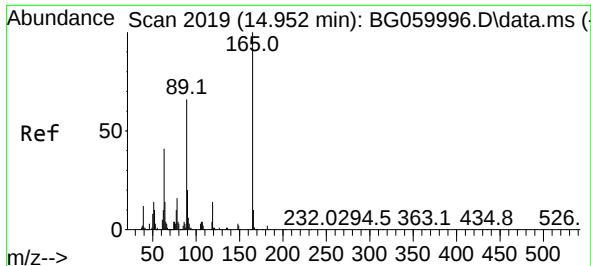
Tgt Ion:172 Resp: 1186804
Ion Ratio Lower Upper
172 100
171 34.7 30.1 45.1
170 24.2 20.0 30.0



#51
2,6-Dinitrotoluene
Concen: 8.378 ng
RT: 14.595 min Scan# 1958
Delta R.T. 0.430 min
Lab File: BG060038.D
Acq: 15 Dec 2023 16:31

Tgt Ion:165 Resp: 24674
Ion Ratio Lower Upper
165 100
63 0.0 48.2 72.2#
89 1.7 44.4 66.6#





#57

2,4-Dinitrotoluene

Concen: 5.960 ng

RT: 14.595 min Scan# 1958

Delta R.T. -0.357 min

Lab File: BG060038.D

Acq: 15 Dec 2023 16:31

Instrument :

BNA_G

ClientSampleId :

MW-4

Tgt Ion:165 Resp: 24674

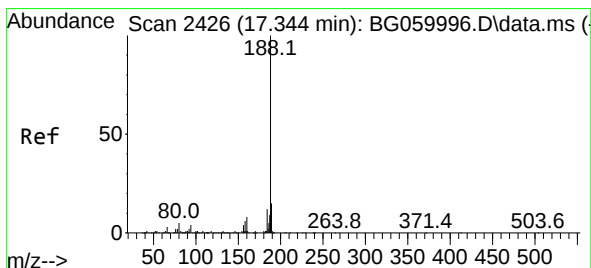
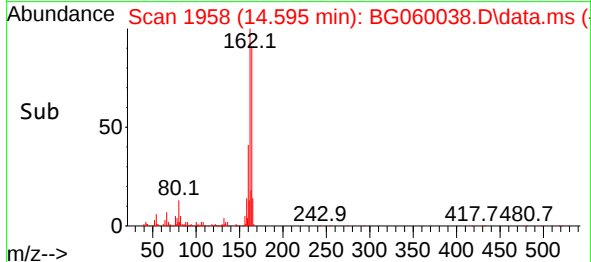
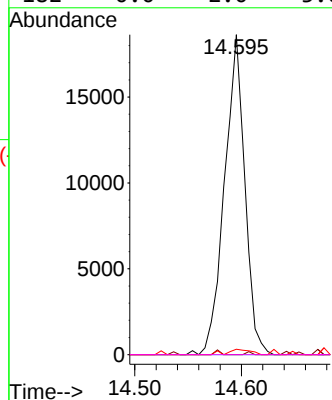
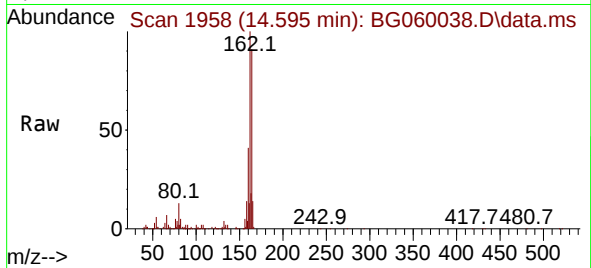
Ion Ratio Lower Upper

165 100

63 0.0 32.8 49.2#

89 1.7 53.0 79.6#

182 0.0 2.0 3.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.345 min Scan# 2426

Delta R.T. 0.001 min

Lab File: BG060038.D

Acq: 15 Dec 2023 16:31

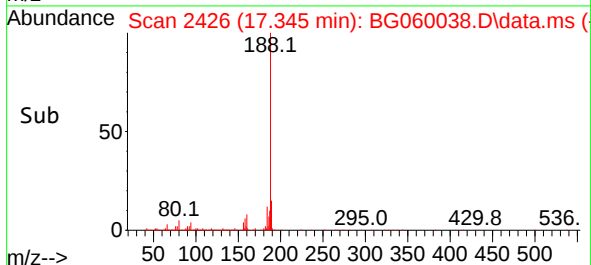
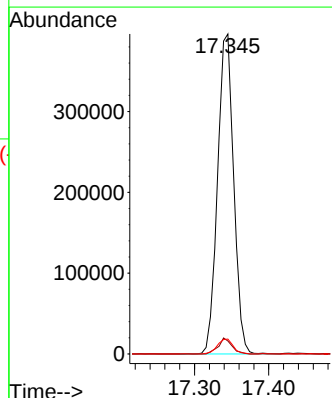
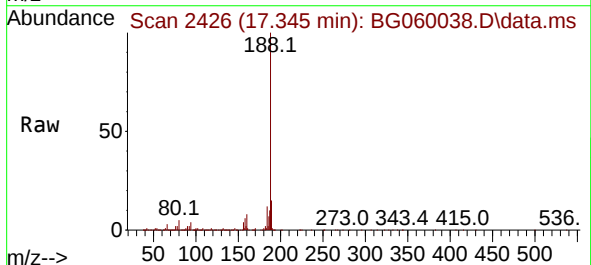
Tgt Ion:188 Resp: 597823

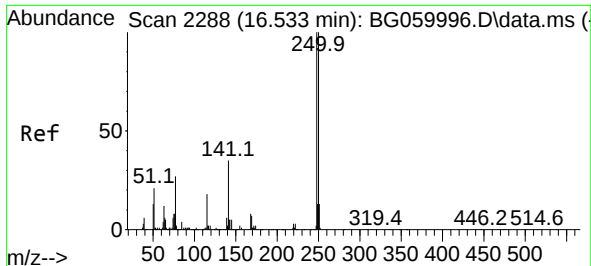
Ion Ratio Lower Upper

188 100

94 4.1 3.0 4.6

80 4.6 4.0 6.0

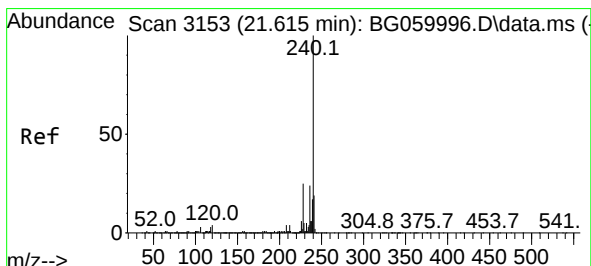
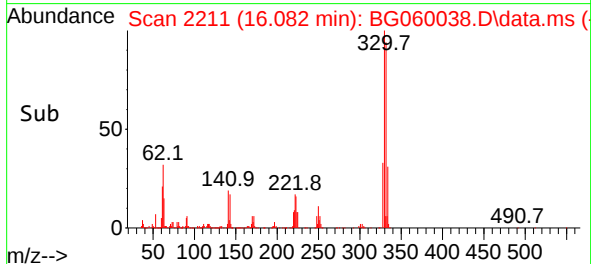
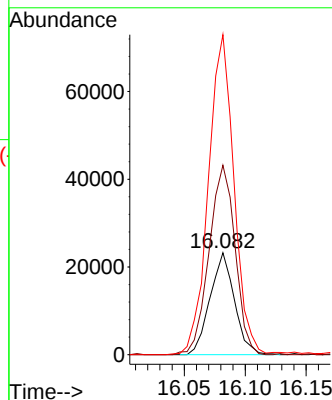
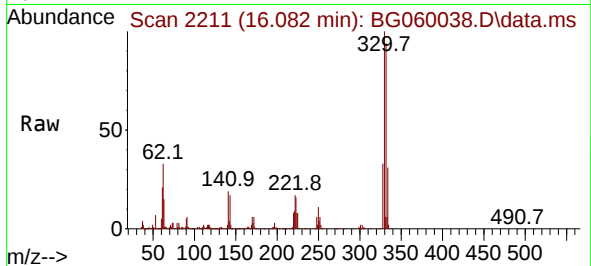




#67
4-Bromophenyl-phenylether
Concen: 3.838 ng
RT: 16.082 min Scan# 2111
Delta R.T. -0.451 min
Lab File: BG060038.D
Acq: 15 Dec 2023 16:31

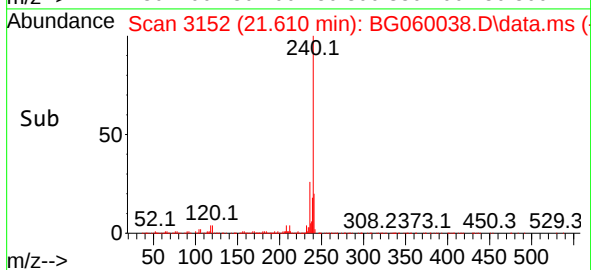
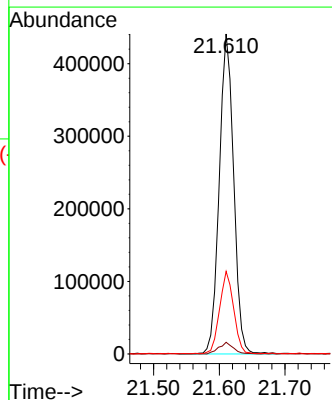
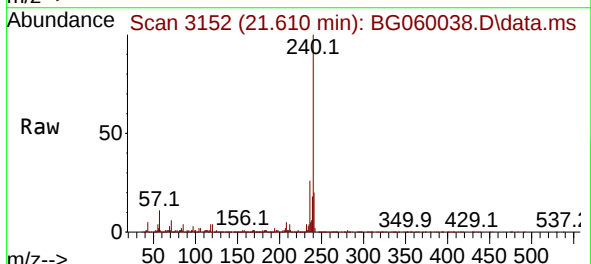
Instrument :
BNA_G
ClientSampleId :
MW-4

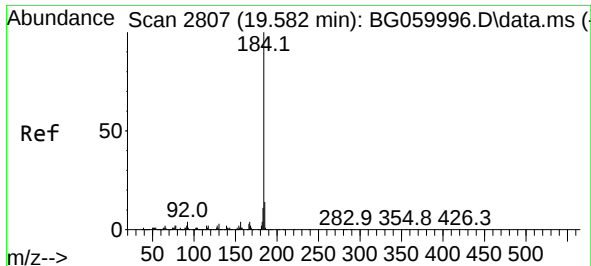
Tgt Ion:248 Resp: 32371
Ion Ratio Lower Upper
248 100
250 186.0 79.9 119.9#
141 314.2 28.3 42.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.610 min Scan# 3152
Delta R.T. -0.005 min
Lab File: BG060038.D
Acq: 15 Dec 2023 16:31

Tgt Ion:240 Resp: 671138
Ion Ratio Lower Upper
240 100
120 3.6 2.9 4.3
236 25.8 19.4 29.2

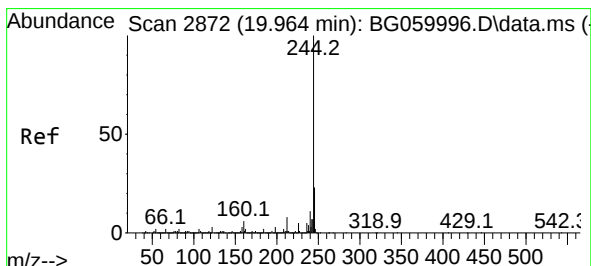
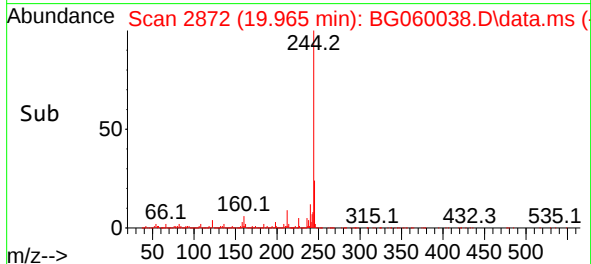
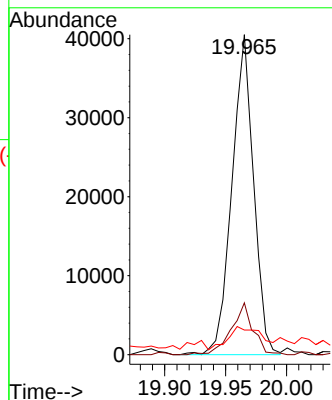
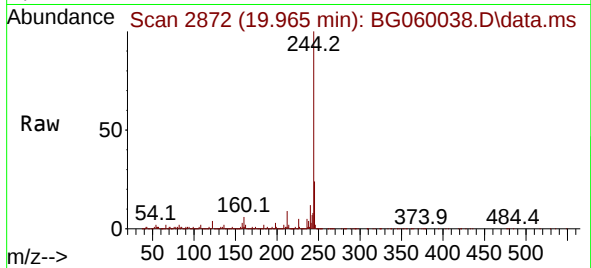




#77
Benzidine
Concen: 5.811 ng
RT: 19.965 min Scan# 2872
Delta R.T. 0.383 min
Lab File: BG060038.D
Acq: 15 Dec 2023 16:31

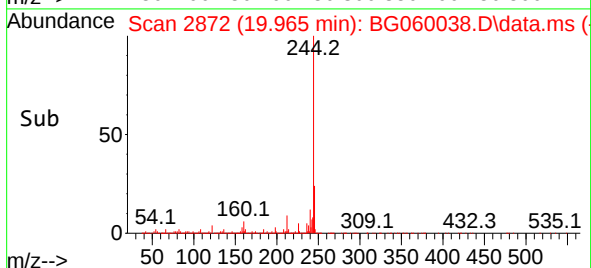
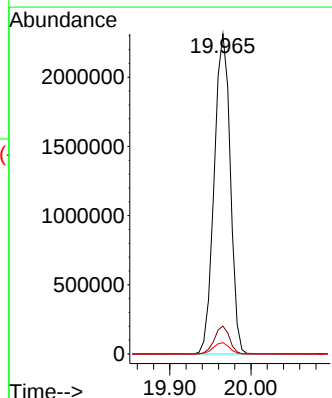
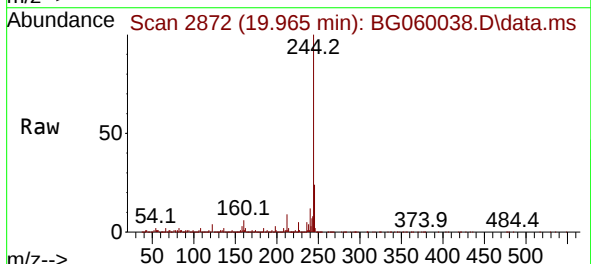
Instrument :
BNA_G
ClientSampleId :
MW-4

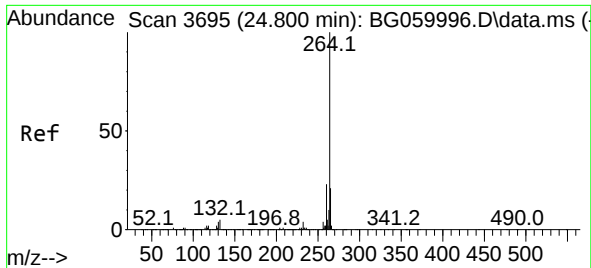
Tgt Ion:184 Resp: 50098
Ion Ratio Lower Upper
184 100
185 16.2 11.1 16.7
183 7.7 9.0 13.4#



#79
Terphenyl-d14
Concen: 86.518 ng
RT: 19.965 min Scan# 2872
Delta R.T. 0.001 min
Lab File: BG060038.D
Acq: 15 Dec 2023 16:31

Tgt Ion:244 Resp: 3180430
Ion Ratio Lower Upper
244 100
212 8.7 6.8 10.2
122 3.6 2.6 3.8





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.801 min Scan# 30
 Delta R.T. 0.001 min
 Lab File: BG060038.D
 Acq: 15 Dec 2023 16:31

Instrument :
 BNA_G
 ClientSampleId :
 MW-4

Tgt Ion:264 Resp: 778262
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.5 27.7
 265 22.3 17.3 25.9

