

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051424\
 Data File : BG061186.D
 Acq On : 14 May 2024 12:08
 Operator : MA/JU
 Sample : PB160889BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB160889BL

Quant Time: May 14 12:43:37 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 05:11:25 2024
 Response via : Initial Calibration

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

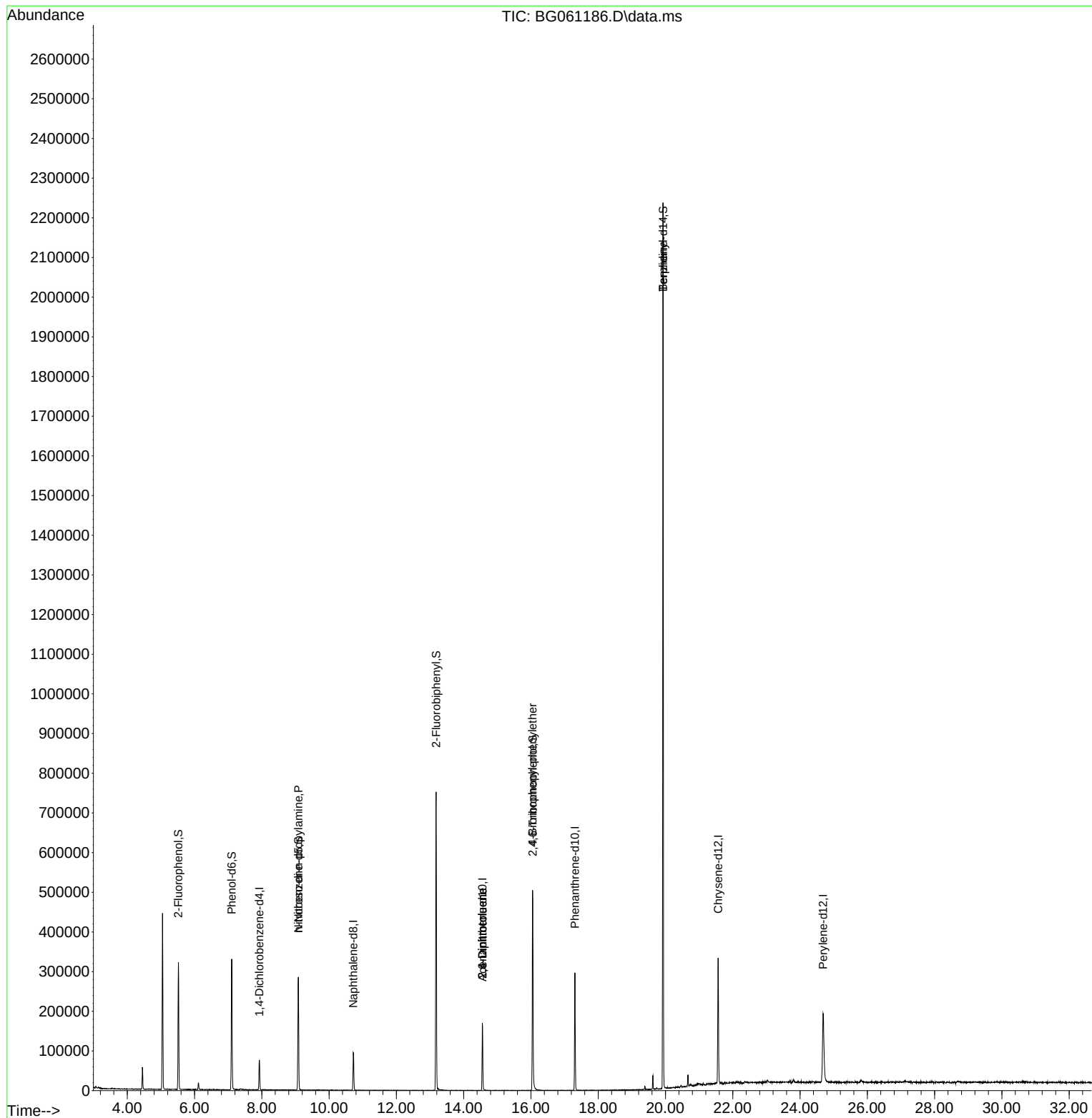
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.923	152	19978	20.000	ng	-0.04
21) Naphthalene-d8	10.720	136	76476	20.000	ng	#-0.04
39) Acenaphthene-d10	14.563	164	63519	20.000	ng	-0.03
64) Phenanthrene-d10	17.307	188	187616	20.000	ng	-0.03
76) Chrysene-d12	21.566	240	197912	20.000	ng	#-0.03
86) Perylene-d12	24.686	264	227069	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.520	112	108255	110.202	ng	-0.03
7) Phenol-d6	7.107	99	145858	100.372	ng	-0.03
23) Nitrobenzene-d5	9.087	82	144156	93.443	ng	-0.03
42) 2,4,6-Tribromophenol	16.055	330	123262	97.085	ng	-0.02
45) 2-Fluorobiphenyl	13.182	172	399157	92.923	ng	-0.03
79) Terphenyl-d14	19.927	244	1105406	92.892	ng	-0.03
Target Compounds						Qvalue
9) Benzaldehyde	7.107	77	230	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	9.087	70	21826	20.070	ng	# 60
51) 2,6-Dinitrotoluene	14.557	165	8320	7.928	ng	# 15
57) 2,4-Dinitrotoluene	14.557	165	8320	5.359	ng	# 17
67) 4-Bromophenyl-phenylether	16.049	248	7784	3.522	ng	# 1
77) Benzidine	19.927	184	16052	6.809	ng	# 86

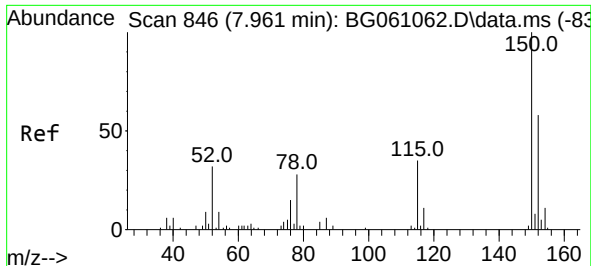
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051424\
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Quant Time: May 14 12:43:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 05:11:25 2024
Response via : Initial Calibration

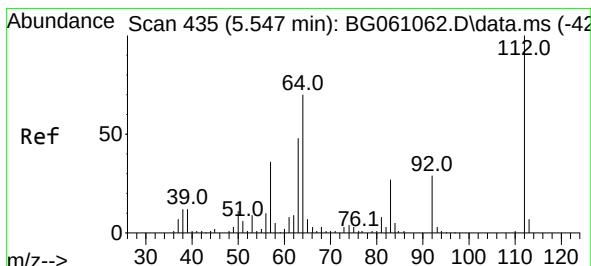
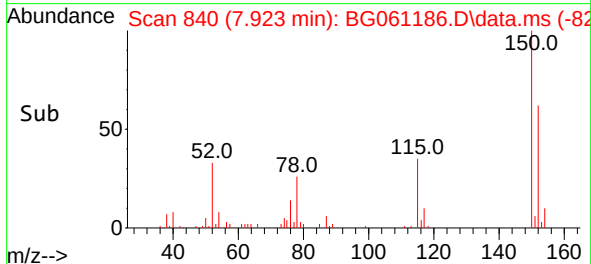
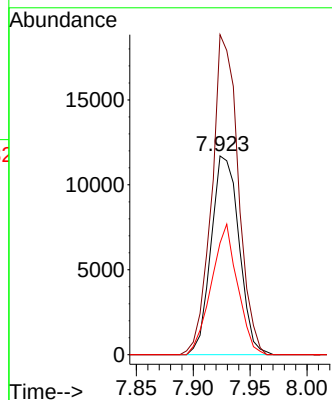
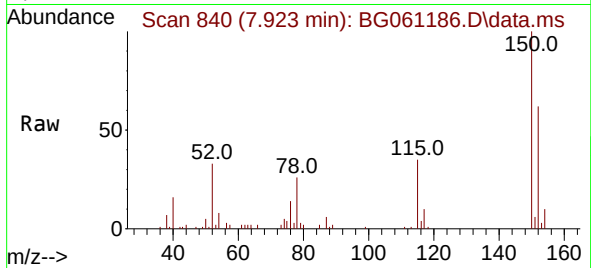




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.923 min Scan# 846
Delta R.T. -0.038 min
Lab File: BG061186.D
Acq: 14 May 2024 12:08

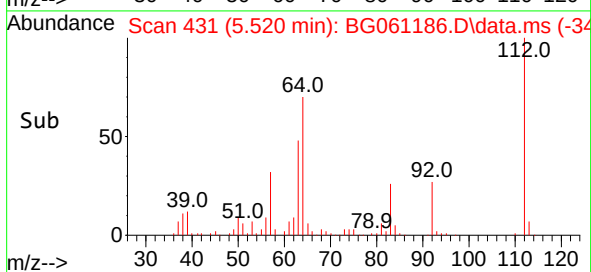
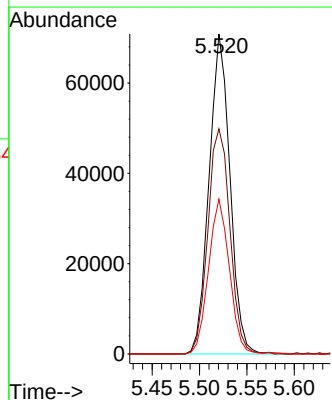
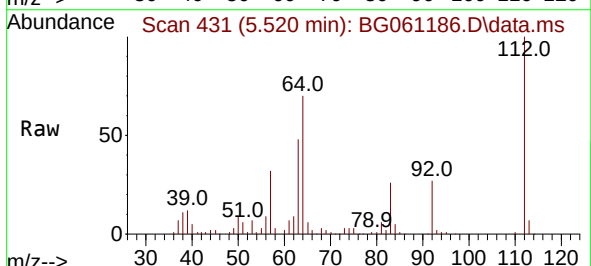
Instrument :
BNA_G
ClientSampleId :
PB160889BL

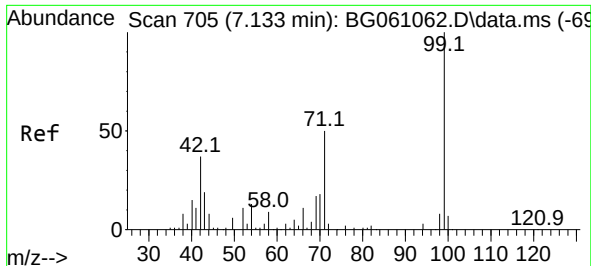
Tgt Ion:152 Resp: 19978
Ion Ratio Lower Upper
152 100
150 161.0 138.3 207.5
115 56.2 48.0 72.0



#5
2-Fluorophenol
Concen: 110.202 ng
RT: 5.520 min Scan# 431
Delta R.T. -0.026 min
Lab File: BG061186.D
Acq: 14 May 2024 12:08

Tgt Ion:112 Resp: 108255
Ion Ratio Lower Upper
112 100
64 70.3 55.7 83.5
63 48.4 38.1 57.1

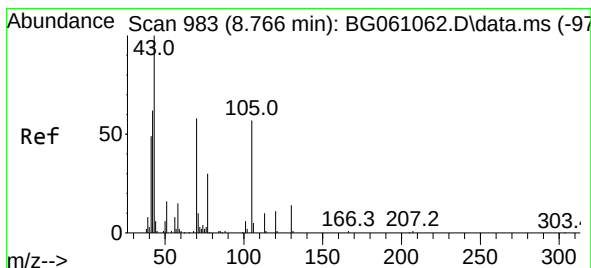
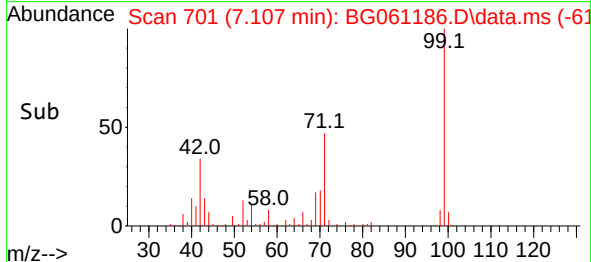
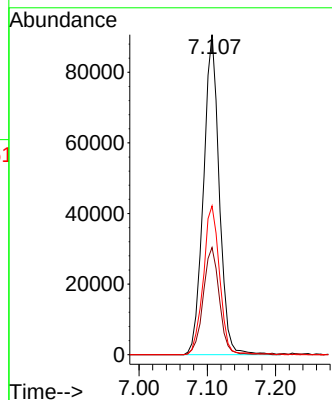
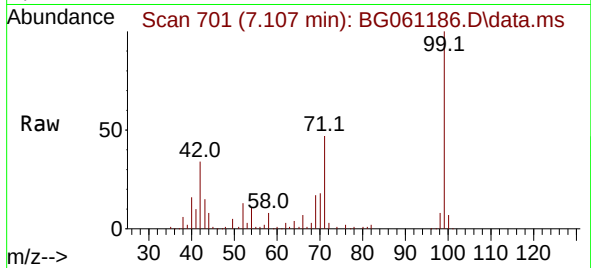




#7
Phenol-d6
Concen: 100.372 ng
RT: 7.107 min Scan# 705
Delta R.T. -0.026 min
Lab File: BG061186.D
Acq: 14 May 2024 12:08

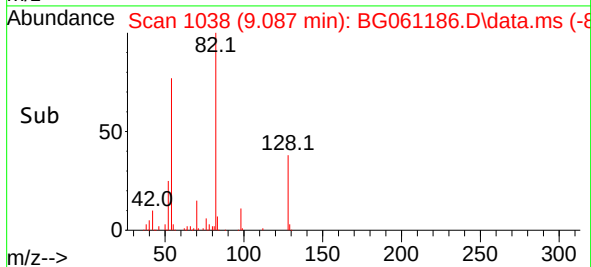
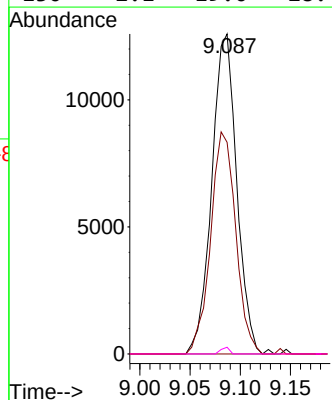
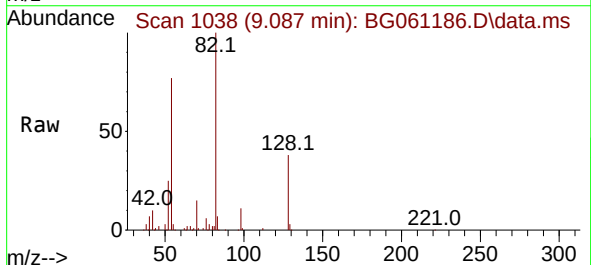
Instrument :
BNA_G
ClientSampleId :
PB160889BL

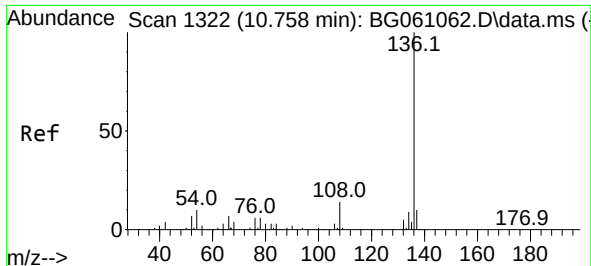
Tgt Ion: 99 Resp: 145858
Ion Ratio Lower Upper
99 100
42 33.5 29.2 43.8
71 46.5 39.7 59.5



#19
n-Nitroso-di-n-propylamine
Concen: 20.070 ng
RT: 9.087 min Scan# 1038
Delta R.T. 0.321 min
Lab File: BG061186.D
Acq: 14 May 2024 12:08

Tgt Ion: 70 Resp: 21826
Ion Ratio Lower Upper
70 100
42 66.1 86.4 129.6#
101 0.0 7.8 11.8#
130 2.1 19.0 28.4#

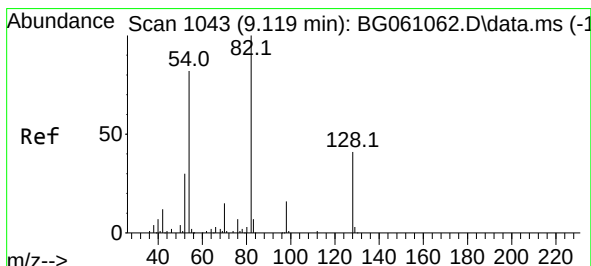
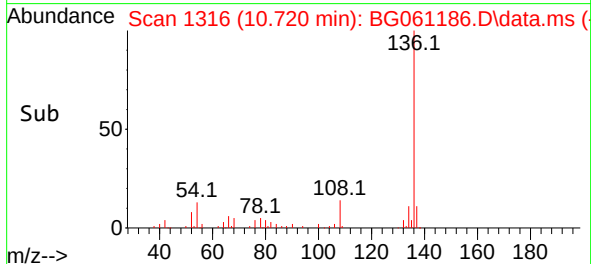
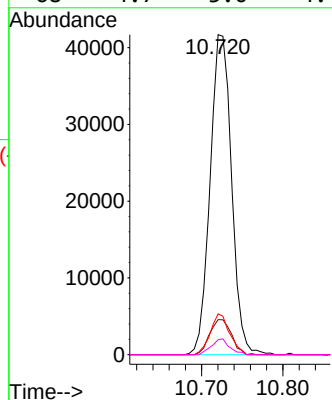
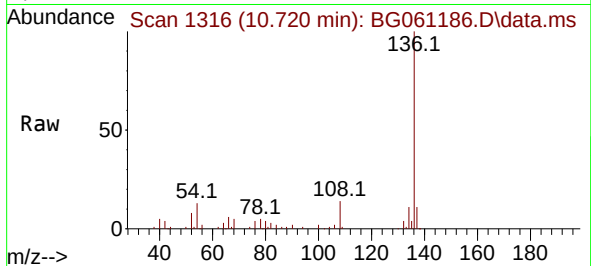




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.720 min Scan# 11
Delta R.T. -0.038 min
Lab File: BG061186.D
Acq: 14 May 2024 12:08

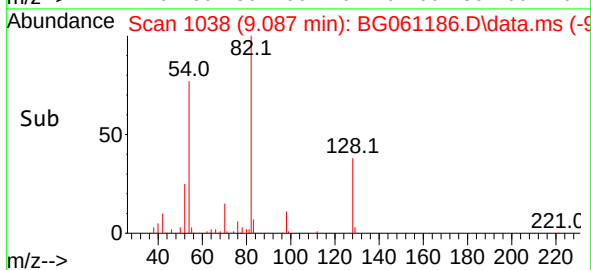
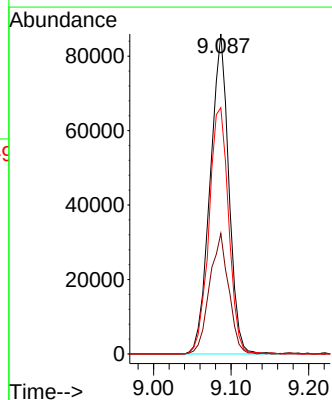
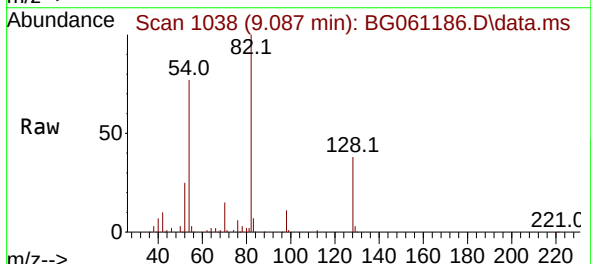
Instrument :
BNA_G
ClientSampleId :
PB160889BL

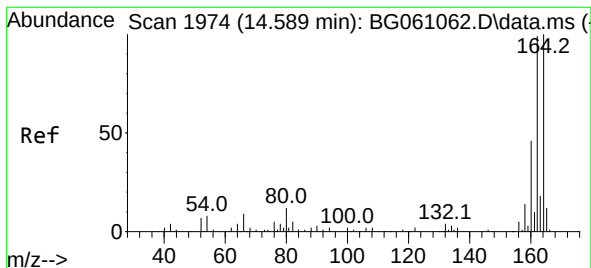
Tgt Ion:136 Resp: 76476
Ion Ratio Lower Upper
136 100
137 10.9 7.8 11.6
54 12.8 8.1 12.1#
68 4.7 3.0 4.4#



#23
Nitrobenzene-d5
Concen: 93.443 ng
RT: 9.087 min Scan# 1038
Delta R.T. -0.032 min
Lab File: BG061186.D
Acq: 14 May 2024 12:08

Tgt Ion: 82 Resp: 144156
Ion Ratio Lower Upper
82 100
128 37.7 32.7 49.1
54 76.9 65.6 98.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.563 min Scan# 1974

Delta R.T. -0.026 min

Lab File: BG061186.D

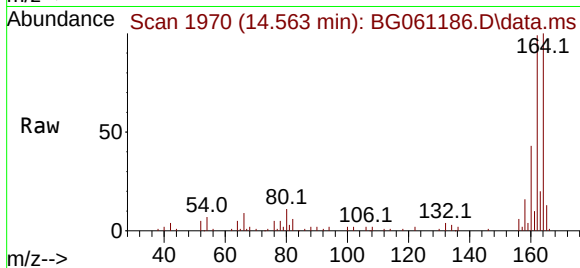
Acq: 14 May 2024 12:08

Instrument :

BNA_G

ClientSampleId :

PB160889BL



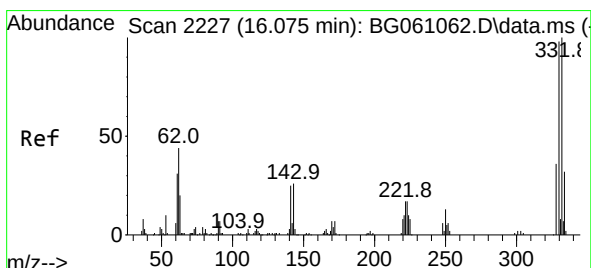
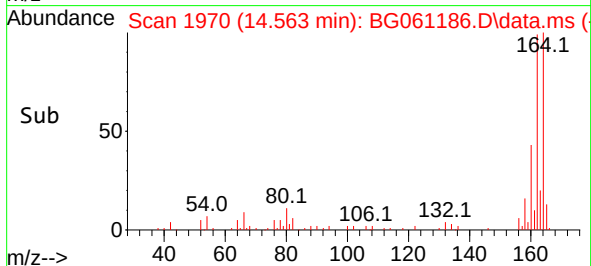
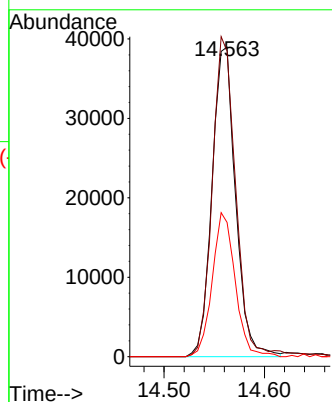
Tgt Ion:164 Resp: 63519

Ion Ratio Lower Upper

164 100

162 98.6 79.4 119.2

160 43.3 37.0 55.6



#42

2,4,6-Tribromophenol

Concen: 97.085 ng

RT: 16.055 min Scan# 2224

Delta R.T. -0.020 min

Lab File: BG061186.D

Acq: 14 May 2024 12:08

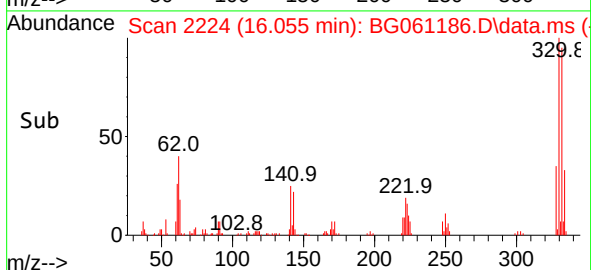
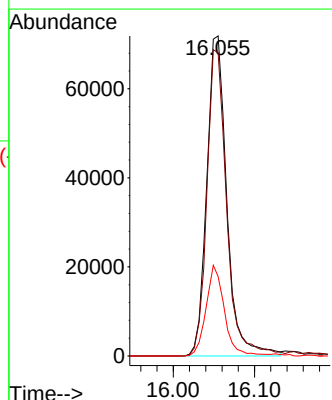
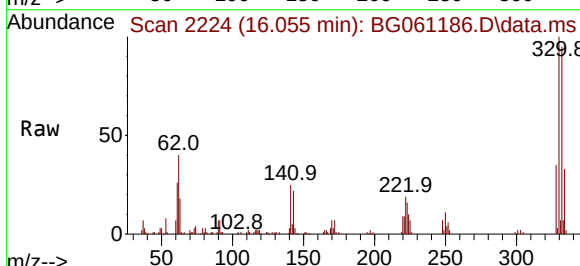
Tgt Ion:330 Resp: 123262

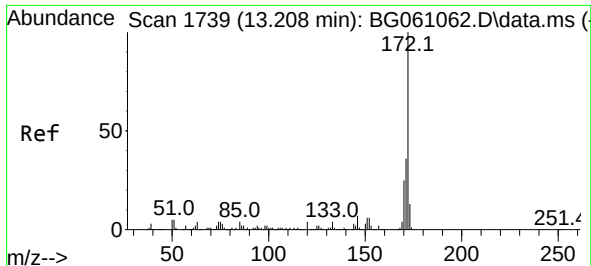
Ion Ratio Lower Upper

330 100

332 94.1 78.6 117.8

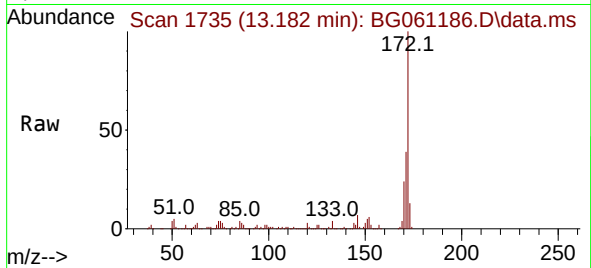
141 25.9 20.5 30.7



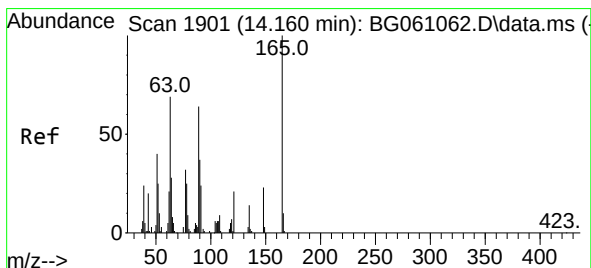
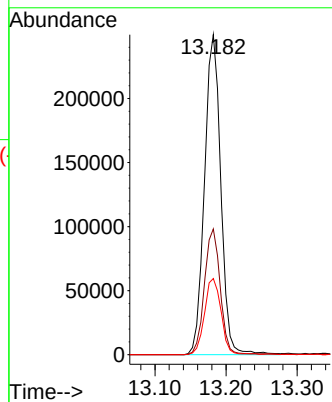
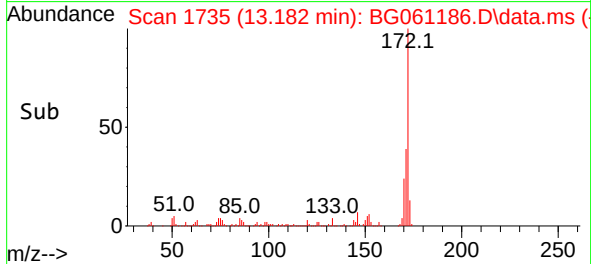


#45
2-Fluorobiphenyl
Concen: 92.923 ng
RT: 13.182 min Scan# 1735
Delta R.T. -0.026 min
Lab File: BG061186.D
Acq: 14 May 2024 12:08

Instrument :
BNA_G
ClientSampleId :
PB160889BL

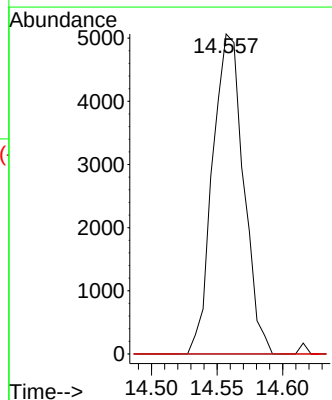
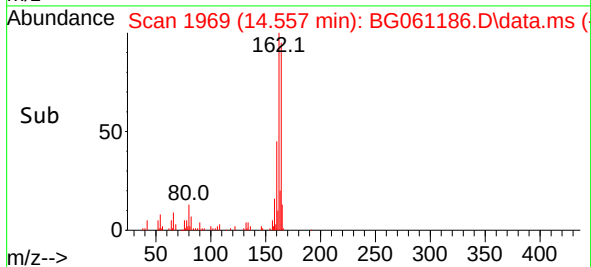
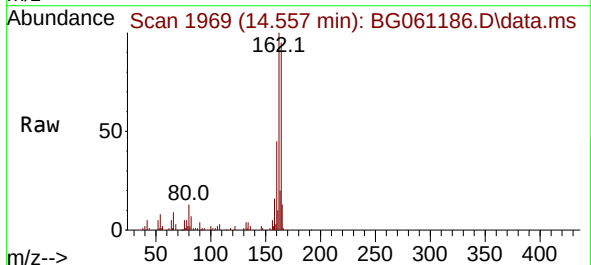


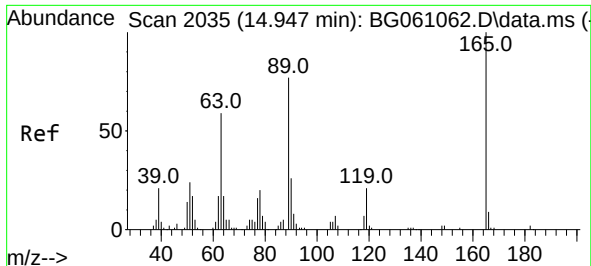
Tgt Ion:172 Resp: 399157
Ion Ratio Lower Upper
172 100
171 39.3 29.0 43.6
170 23.8 20.2 30.4



#51
2,6-Dinitrotoluene
Concen: 7.928 ng
RT: 14.557 min Scan# 1969
Delta R.T. 0.397 min
Lab File: BG061186.D
Acq: 14 May 2024 12:08

Tgt Ion:165 Resp: 8320
Ion Ratio Lower Upper
165 100
63 0.0 60.0 90.0#
89 0.0 50.9 76.3#





#57

2,4-Dinitrotoluene

Concen: 5.359 ng

RT: 14.557 min Scan# 1969

Delta R.T. -0.390 min

Lab File: BG061186.D

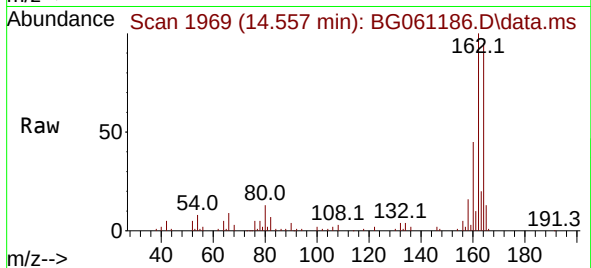
Acq: 14 May 2024 12:08

Instrument :

BNA_G

ClientSampleId :

PB160889BL



Tgt Ion:165 Resp: 8320

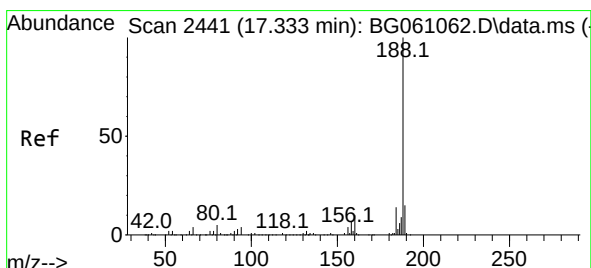
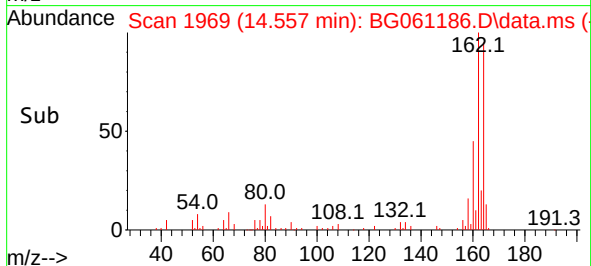
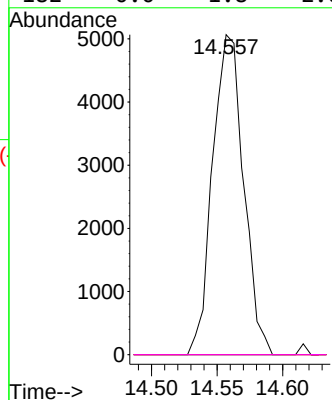
Ion Ratio Lower Upper

165 100

63 0.0 47.3 70.9#

89 0.0 61.8 92.8#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.307 min Scan# 2437

Delta R.T. -0.026 min

Lab File: BG061186.D

Acq: 14 May 2024 12:08

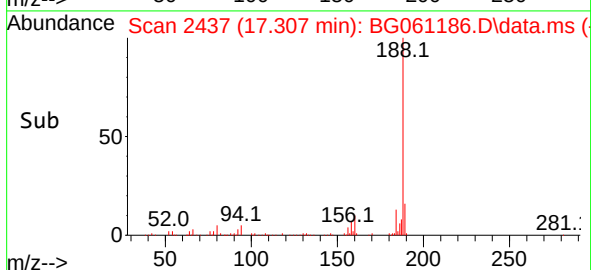
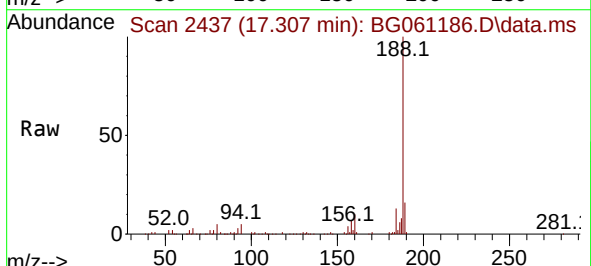
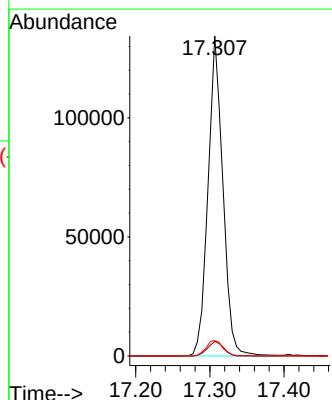
Tgt Ion:188 Resp: 187616

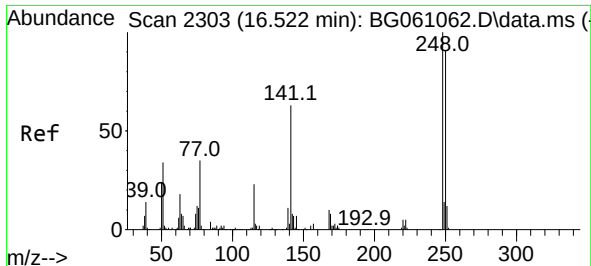
Ion Ratio Lower Upper

188 100

94 4.6 3.6 5.4

80 4.8 4.2 6.2

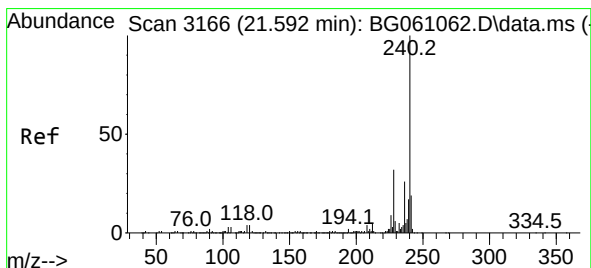
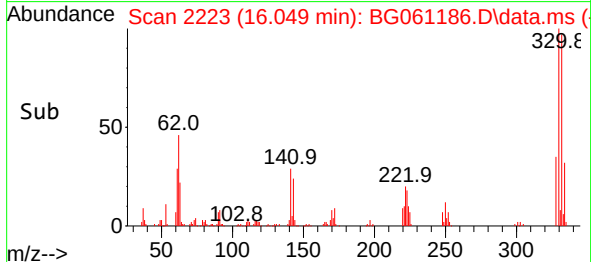
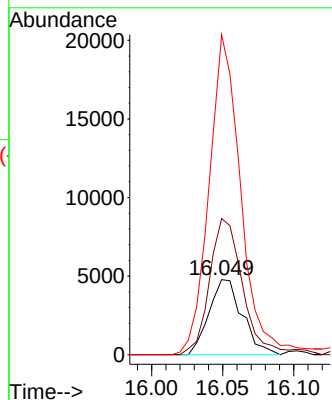
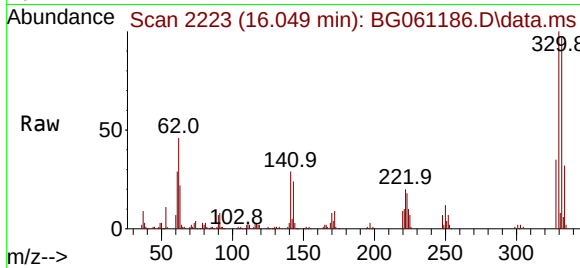




#67
4-Bromophenyl-phenylether
Concen: 3.522 ng
RT: 16.049 min Scan# 21
Delta R.T. -0.473 min
Lab File: BG061186.D
Acq: 14 May 2024 12:08

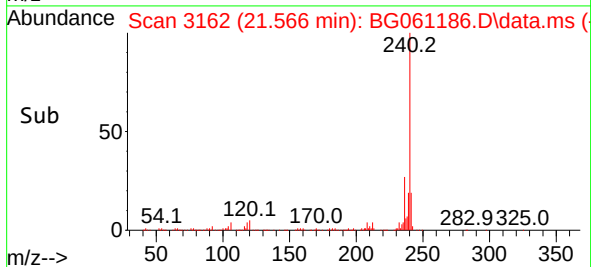
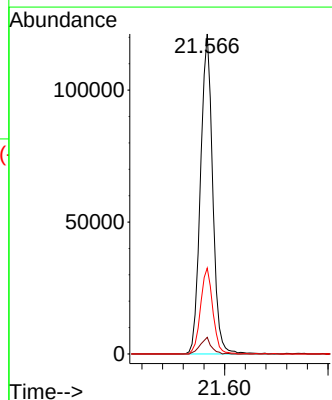
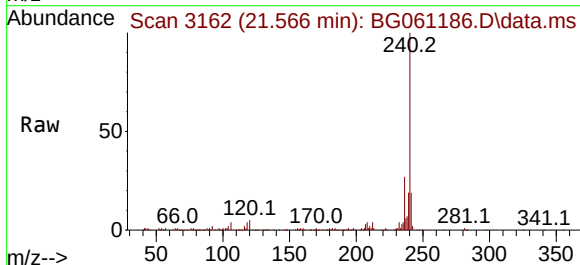
Instrument :
BNA_G
ClientSampleId :
PB160889BL

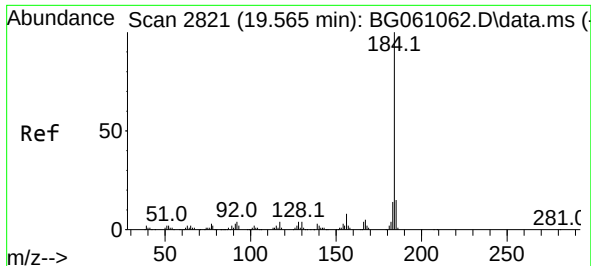
Tgt Ion:248 Resp: 7784
Ion Ratio Lower Upper
248 100
250 181.3 73.0 109.4#
141 426.0 50.8 76.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.566 min Scan# 3162
Delta R.T. -0.026 min
Lab File: BG061186.D
Acq: 14 May 2024 12:08

Tgt Ion:240 Resp: 197912
Ion Ratio Lower Upper
240 100
120 5.2 3.2 4.8#
236 26.9 21.0 31.6

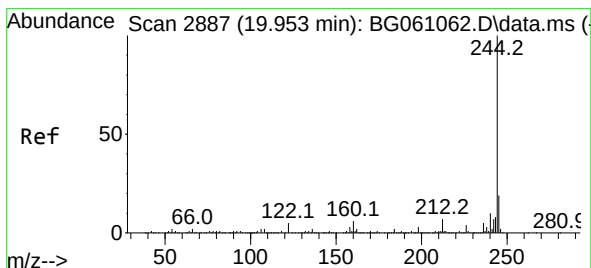
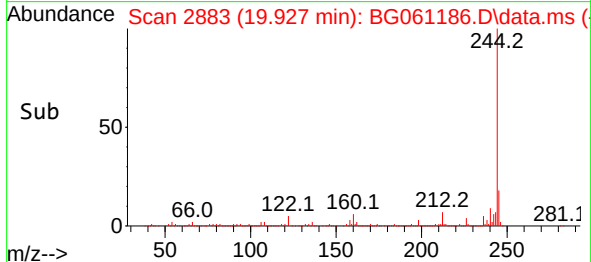
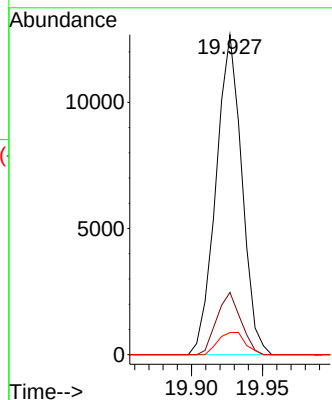
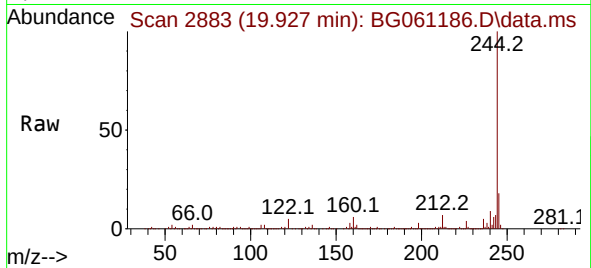




#77
Benzidine
Concen: 6.809 ng
RT: 19.927 min Scan# 21
Delta R.T. 0.362 min
Lab File: BG061186.D
Acq: 14 May 2024 12:08

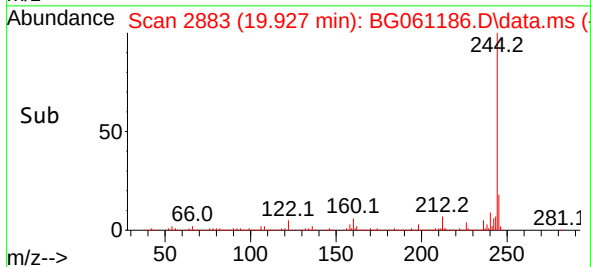
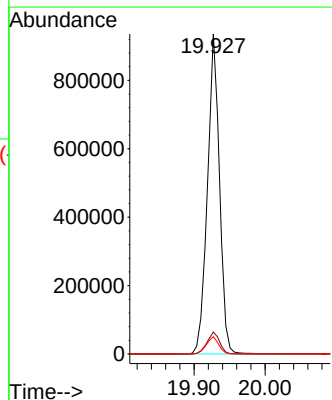
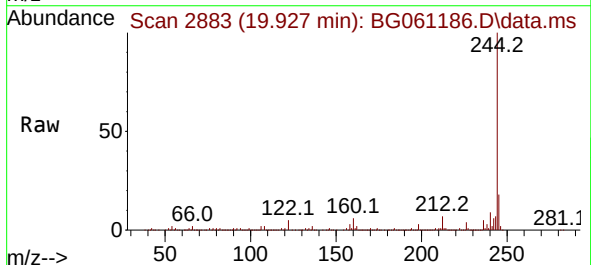
Instrument :
BNA_G
ClientSampleId :
PB160889BL

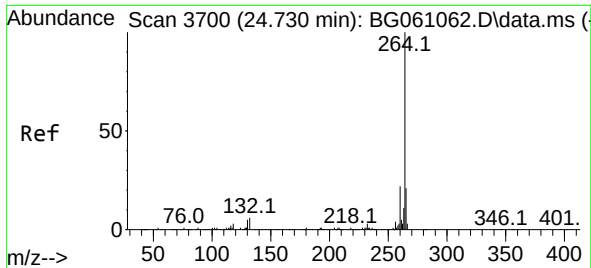
Tgt Ion:184 Resp: 16052
Ion Ratio Lower Upper
184 100
185 19.4 12.0 18.0#
183 6.9 10.9 16.3#



#79
Terphenyl-d14
Concen: 92.892 ng
RT: 19.927 min Scan# 2883
Delta R.T. -0.026 min
Lab File: BG061186.D
Acq: 14 May 2024 12:08

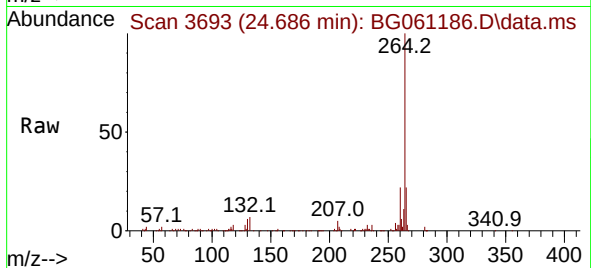
Tgt Ion:244 Resp: 1105406
Ion Ratio Lower Upper
244 100
212 6.9 5.7 8.5
122 5.4 4.2 6.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.686 min Scan# 30
 Delta R.T. -0.044 min
 Lab File: BG061186.D
 Acq: 14 May 2024 12:08

Instrument :
 BNA_G
 ClientSampleId :
 PB160889BL



Tgt Ion:264 Resp: 227069
 Ion Ratio Lower Upper
 264 100
 260 22.4 17.7 26.5
 265 22.1 16.4 24.6

