

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081723\
 Data File : BG058766.D
 Acq On : 17 Aug 2023 17:21
 Operator : MA/JU
 Sample : 04022-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-24

Quant Time: Aug 18 01:53:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 28 22:29:07 2023
 Response via : Initial Calibration

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

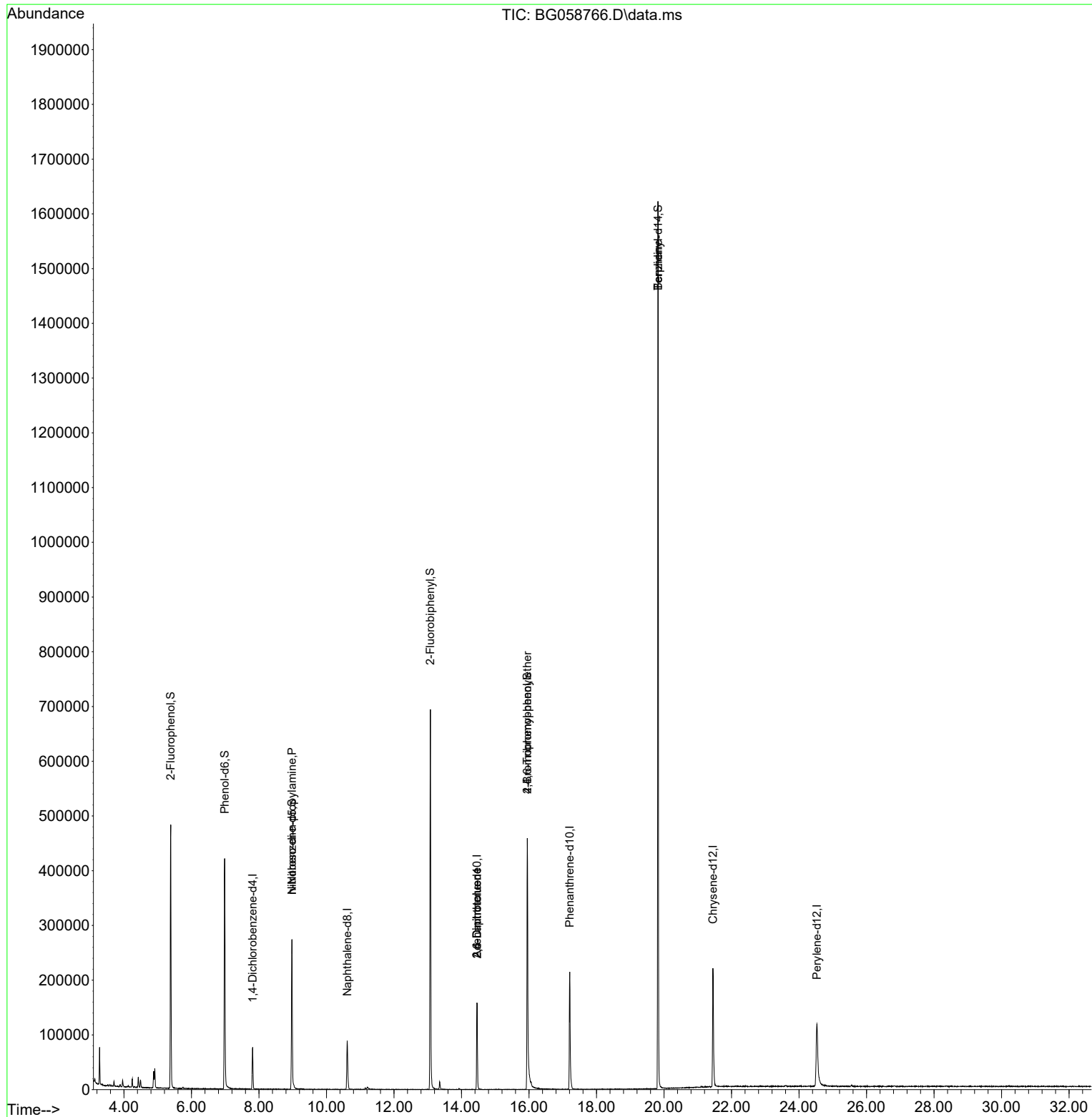
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.812	152	21585	20.000	ng	0.00
21) Naphthalene-d8	10.615	136	88195	20.000	ng	0.00
39) Acenaphthene-d10	14.457	164	66178	20.000	ng	0.00
64) Phenanthrene-d10	17.207	188	174596	20.000	ng	0.00
76) Chrysene-d12	21.449	240	159155	20.000	ng	0.00
86) Perylene-d12	24.528	264	180710	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.386	112	193238	136.834	ng	0.00
7) Phenol-d6	6.984	99	239382	121.819	ng	0.00
23) Nitrobenzene-d5	8.976	82	172823	96.264	ng	0.00
42) 2,4,6-Tribromophenol	15.950	330	122783	113.195	ng	0.00
45) 2-Fluorobiphenyl	13.077	172	408596	92.526	ng	0.00
79) Terphenyl-d14	19.822	244	871054	102.921	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	8.976	70	21997	17.330	ng	Qvalue # 85
51) 2,6-Dinitrotoluene	14.457	165	8144	7.468	ng	# 22
57) 2,4-Dinitrotoluene	14.457	165	8144	5.387	ng	# 23
67) 4-Bromophenyl-phenylether	15.950	248	7777	3.927	ng	# 1
77) Benzidine	19.822	184	12476	5.169	ng	# 95

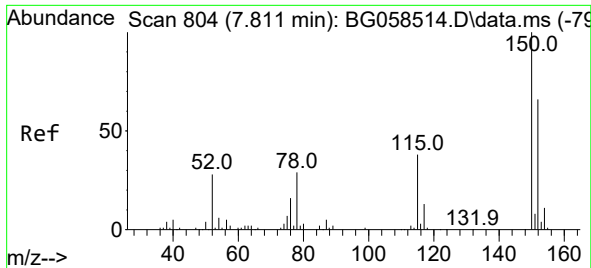
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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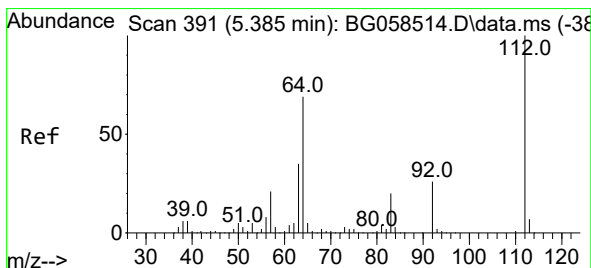
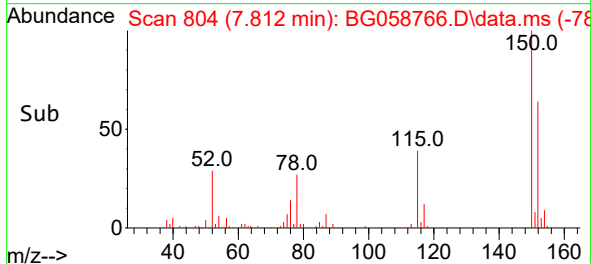
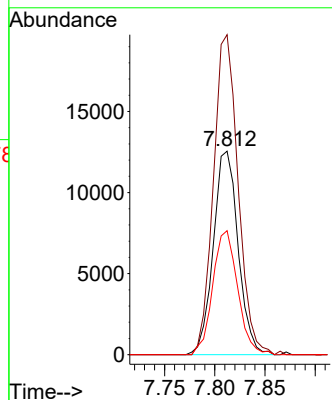
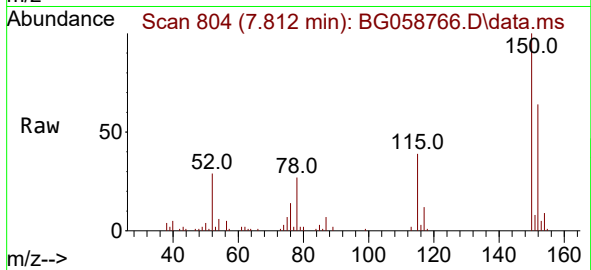




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.812 min Scan# 804
Delta R.T. 0.001 min
Lab File: BG058766.D
Acq: 17 Aug 2023 17:21

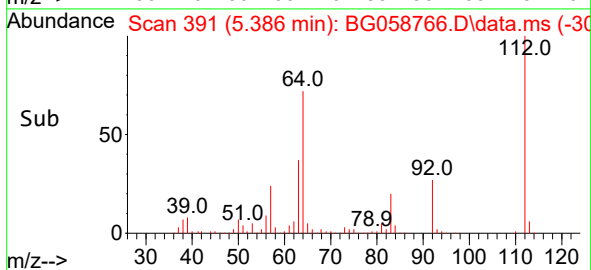
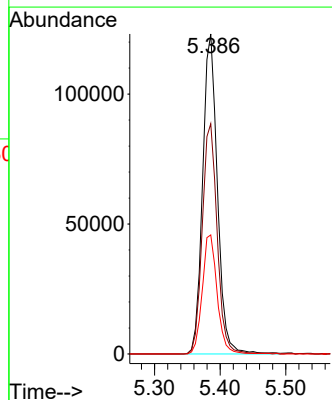
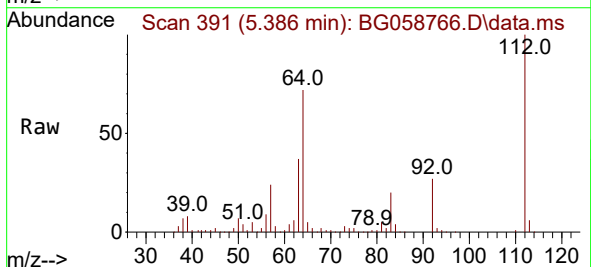
Instrument :
BNA_G
ClientSampleId :
TP-24

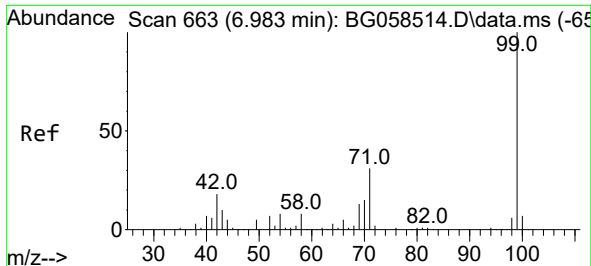
Tgt Ion:152 Resp: 21585
Ion Ratio Lower Upper
152 100
150 157.3 120.5 180.7
115 61.0 45.9 68.9



#5
2-Fluorophenol
Concen: 136.834 ng
RT: 5.386 min Scan# 391
Delta R.T. 0.001 min
Lab File: BG058766.D
Acq: 17 Aug 2023 17:21

Tgt Ion:112 Resp: 193238
Ion Ratio Lower Upper
112 100
64 71.9 55.3 82.9
63 37.2 28.3 42.5

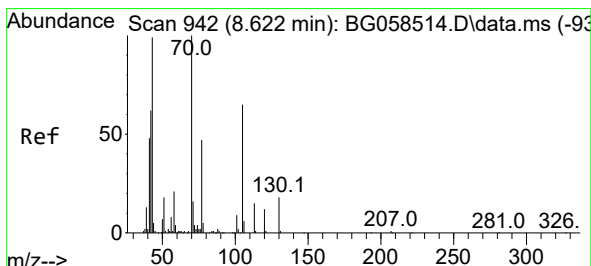
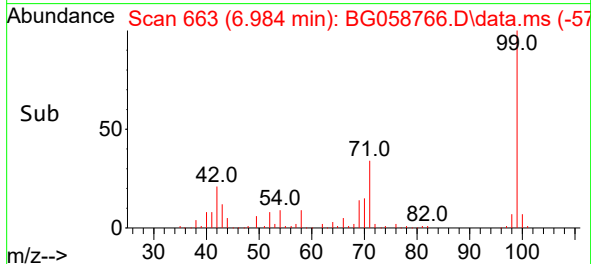
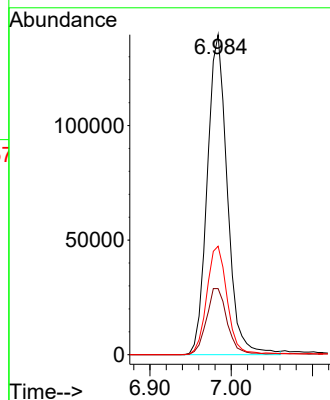
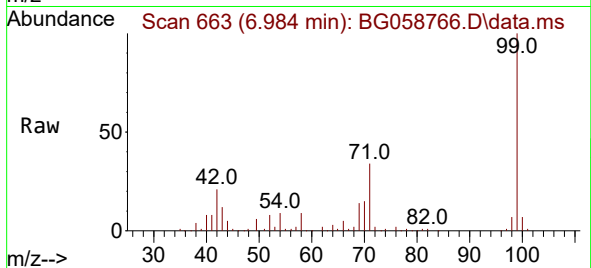




#7
Phenol-d6
Concen: 121.819 ng
RT: 6.984 min Scan# 60
Delta R.T. 0.001 min
Lab File: BG058766.D
Acq: 17 Aug 2023 17:21

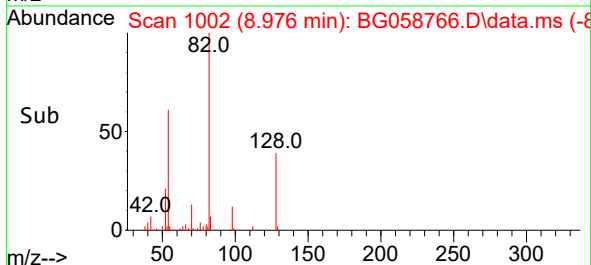
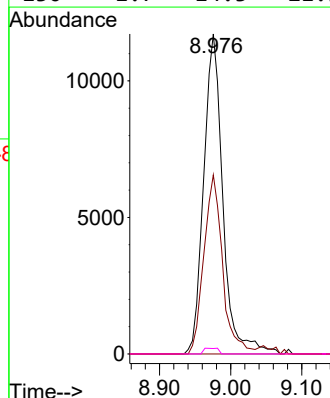
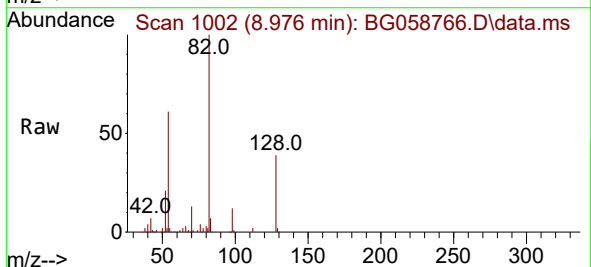
Instrument :
BNA_G
ClientSampleId :
TP-24

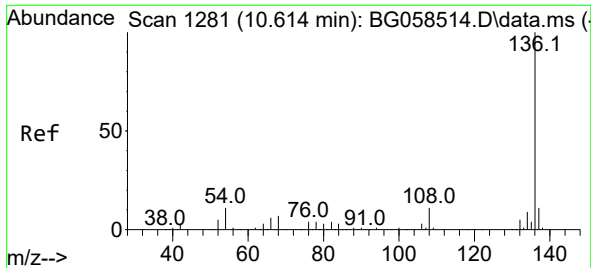
Tgt Ion: 99 Resp: 239382
Ion Ratio Lower Upper
99 100
42 20.7 14.6 21.8
71 33.9 25.0 37.4



#19
n-Nitroso-di-n-propylamine
Concen: 17.330 ng
RT: 8.976 min Scan# 1002
Delta R.T. 0.354 min
Lab File: BG058766.D
Acq: 17 Aug 2023 17:21

Tgt Ion: 70 Resp: 21997
Ion Ratio Lower Upper
70 100
42 55.9 49.7 74.5
101 0.0 7.0 10.4#
130 1.7 14.3 21.5#

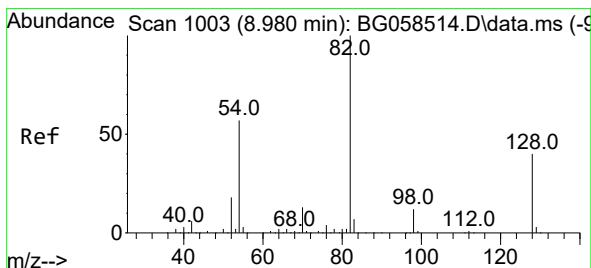
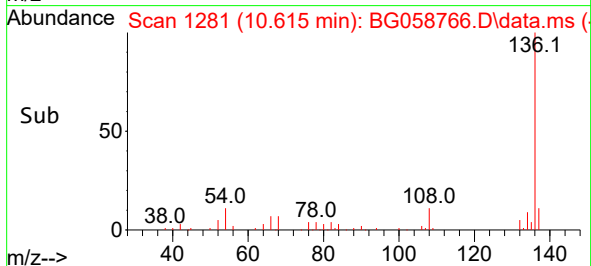
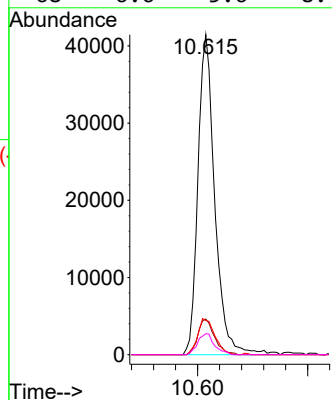
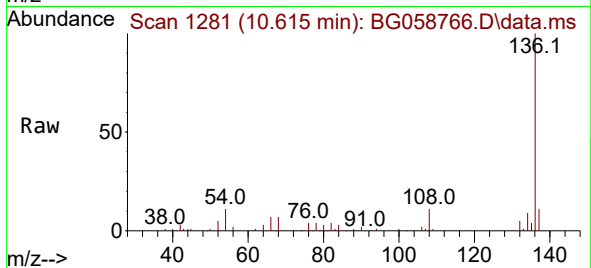




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.615 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG058766.D
Acq: 17 Aug 2023 17:21

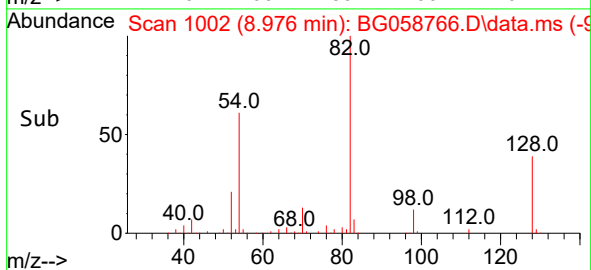
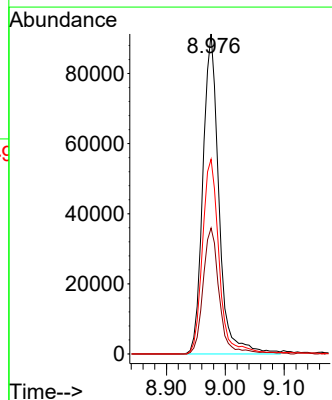
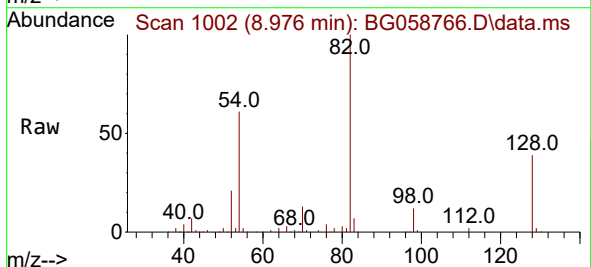
Instrument :
BNA_G
ClientSampleId :
TP-24

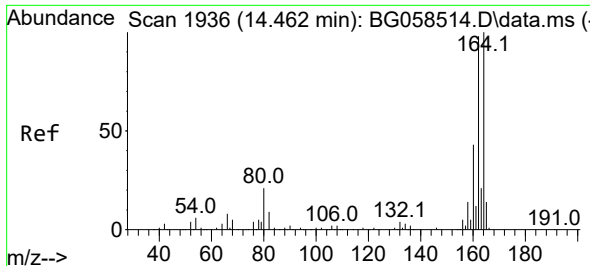
Tgt Ion:	136	Resp:	88195
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.6	13.0
54	10.6	8.9	13.3
68	6.6	5.6	8.4



#23
Nitrobenzene-d5
Concen: 96.264 ng
RT: 8.976 min Scan# 1002
Delta R.T. -0.005 min
Lab File: BG058766.D
Acq: 17 Aug 2023 17:21

Tgt Ion:	82	Resp:	172823
Ion Ratio	Lower	Upper	
82	100		
128	39.4	32.2	48.2
54	60.8	46.0	69.0

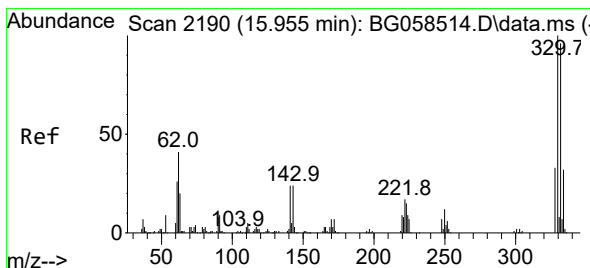
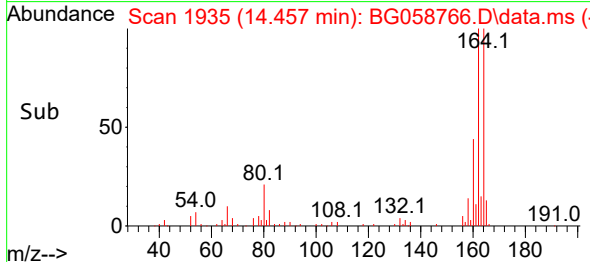
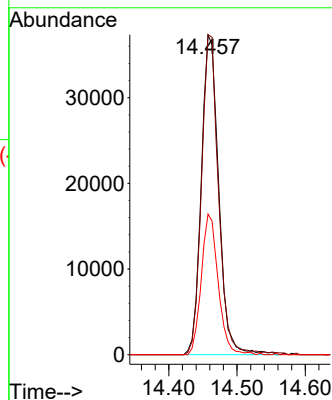
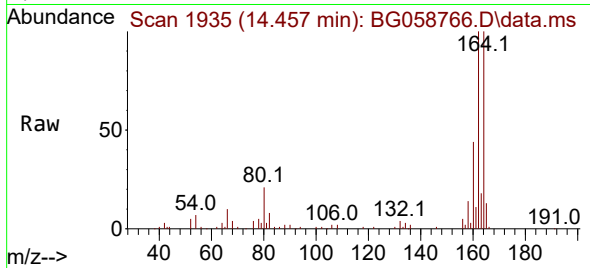




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1935
Delta R.T. -0.005 min
Lab File: BG058766.D
Acq: 17 Aug 2023 17:21

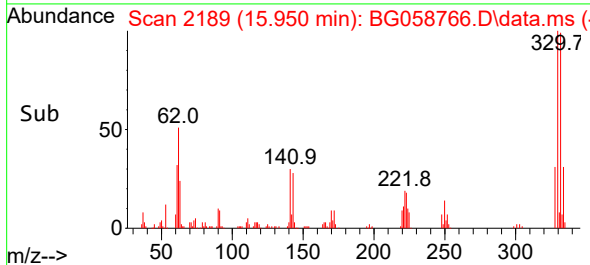
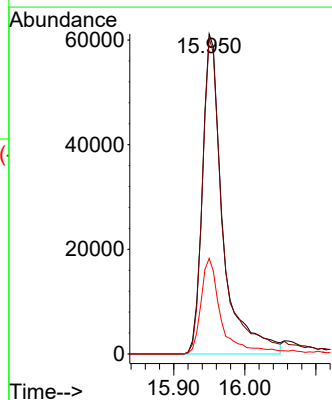
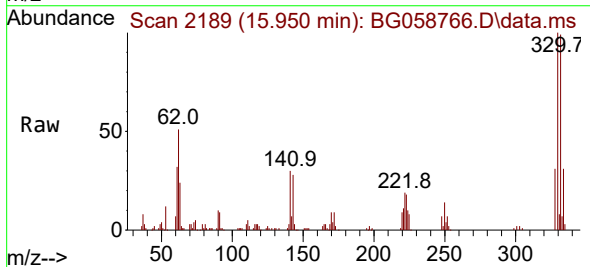
Instrument :
BNA_G
ClientSampleId :
TP-24

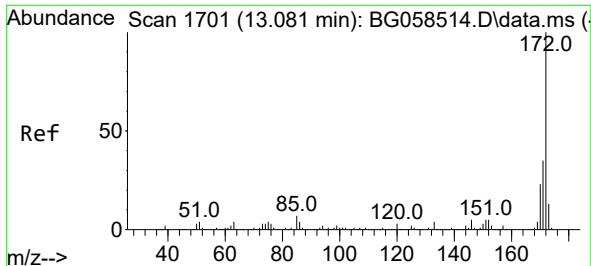
Tgt Ion:164 Resp: 66178
Ion Ratio Lower Upper
164 100
162 100.1 78.3 117.5
160 44.0 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 113.195 ng
RT: 15.950 min Scan# 2189
Delta R.T. -0.005 min
Lab File: BG058766.D
Acq: 17 Aug 2023 17:21

Tgt Ion:330 Resp: 122783
Ion Ratio Lower Upper
330 100
332 98.1 77.5 116.3
141 29.8 20.7 31.1

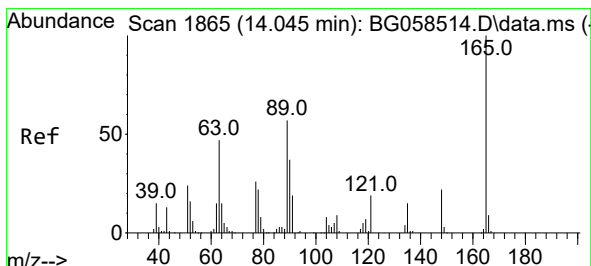
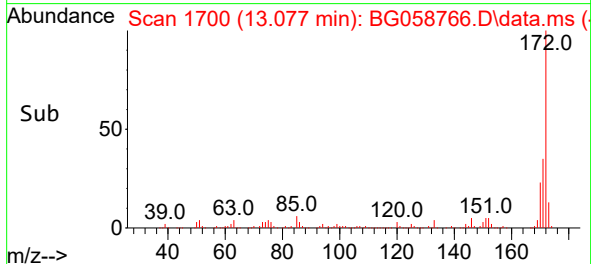
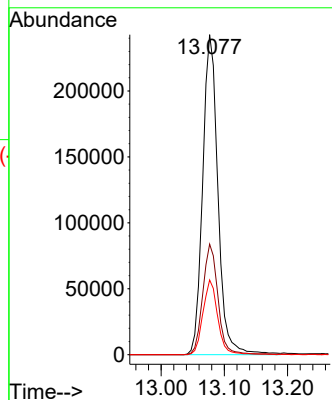
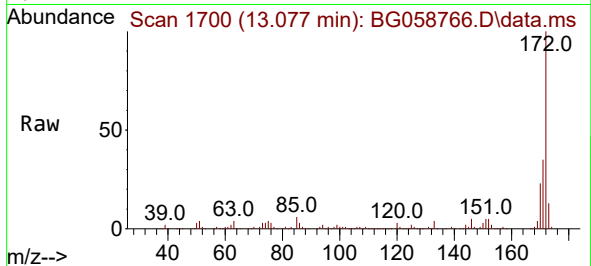




#45
2-Fluorobiphenyl
Concen: 92.526 ng
RT: 13.077 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG058766.D
Acq: 17 Aug 2023 17:21

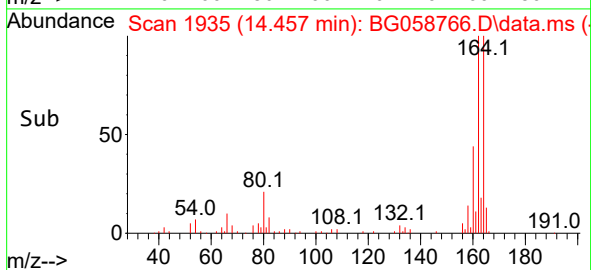
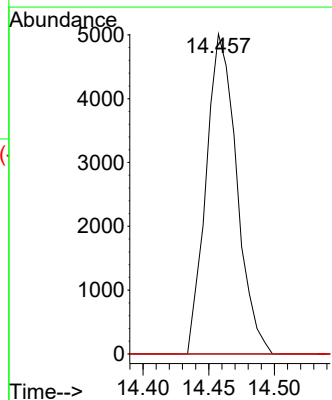
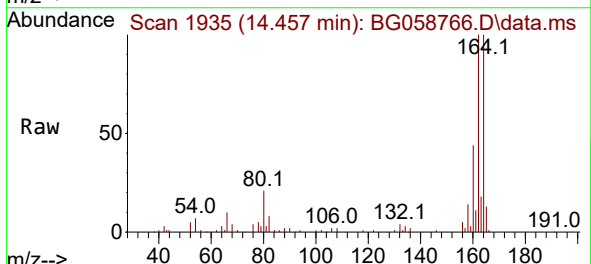
Instrument :
BNA_G
ClientSampleId :
TP-24

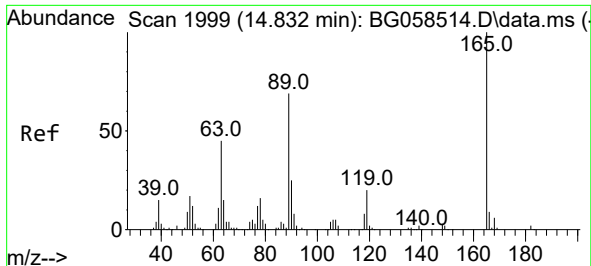
Tgt Ion:172 Resp: 408596
Ion Ratio Lower Upper
172 100
171 34.6 28.0 42.0
170 23.3 18.4 27.6



#51
2,6-Dinitrotoluene
Concen: 7.468 ng
RT: 14.457 min Scan# 1935
Delta R.T. 0.412 min
Lab File: BG058766.D
Acq: 17 Aug 2023 17:21

Tgt Ion:165 Resp: 8144
Ion Ratio Lower Upper
165 100
63 0.0 46.4 69.6#
89 0.0 45.3 67.9#





#57

2,4-Dinitrotoluene

Concen: 5.387 ng

RT: 14.457 min Scan# 1999

Delta R.T. -0.375 min

Lab File: BG058766.D

Acq: 17 Aug 2023 17:21

Instrument :

BNA_G

ClientSampleId :

TP-24

Tgt Ion:165 Resp: 8144

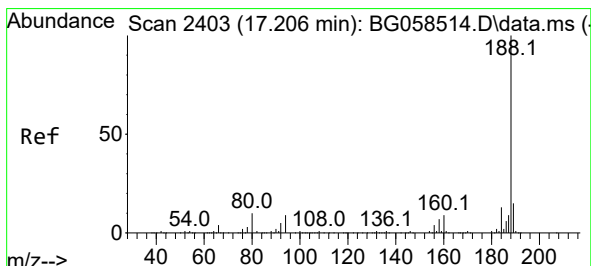
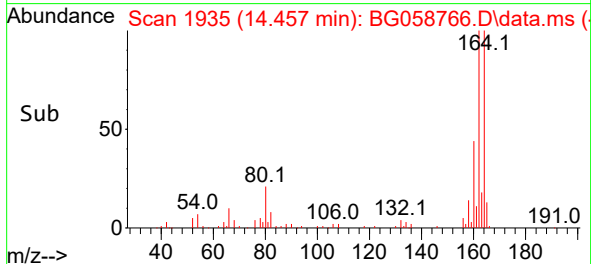
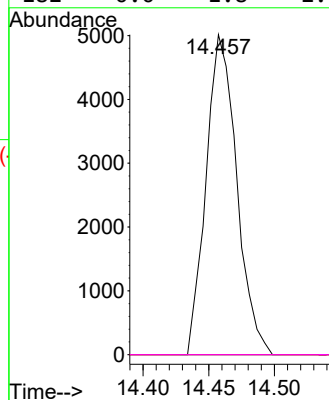
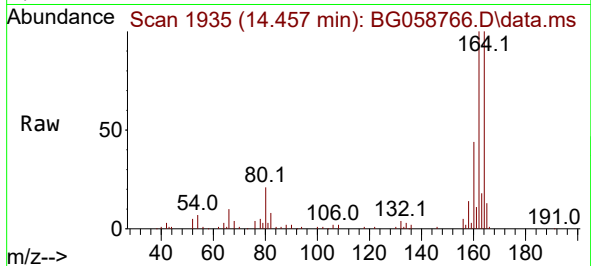
Ion Ratio Lower Upper

165 100

63 0.0 36.6 54.8#

89 0.0 55.4 83.0#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.207 min Scan# 2403

Delta R.T. 0.001 min

Lab File: BG058766.D

Acq: 17 Aug 2023 17:21

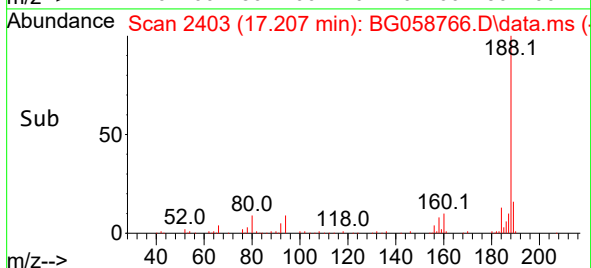
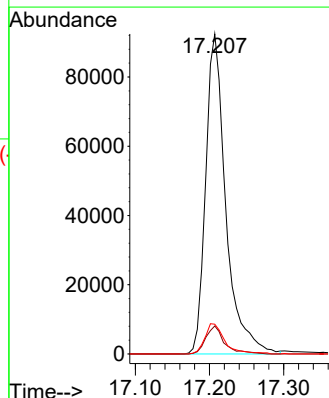
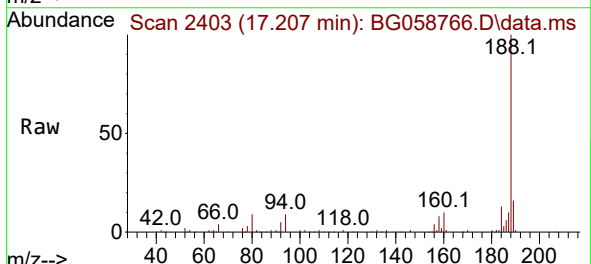
Tgt Ion:188 Resp: 174596

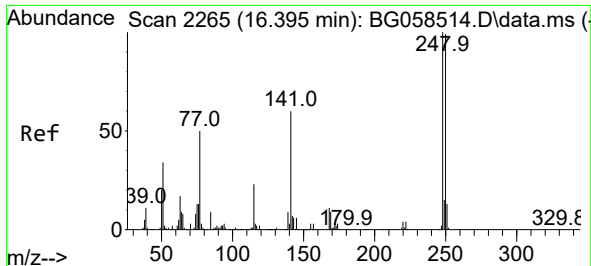
Ion Ratio Lower Upper

188 100

94 8.8 7.0 10.6

80 9.3 8.1 12.1

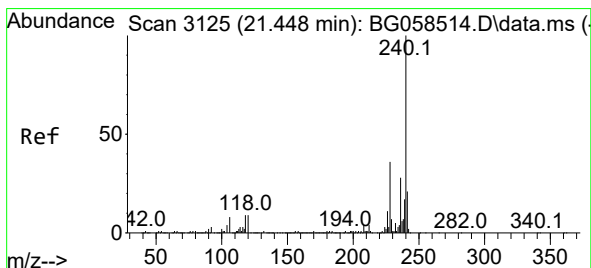
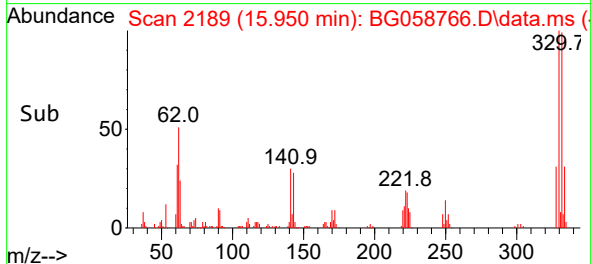
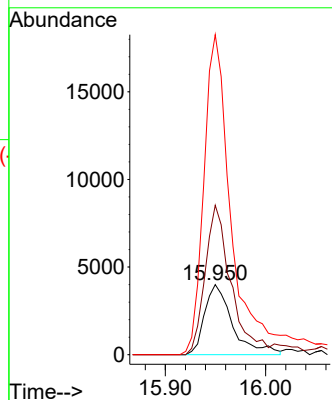
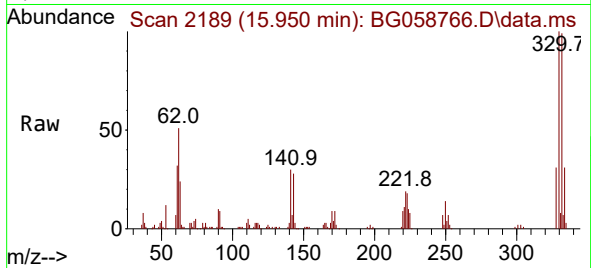




#67
4-Bromophenyl-phenylether
Concen: 3.927 ng
RT: 15.950 min Scan# 2119
Delta R.T. -0.445 min
Lab File: BG058766.D
Acq: 17 Aug 2023 17:21

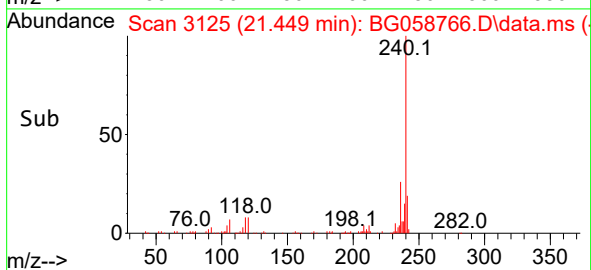
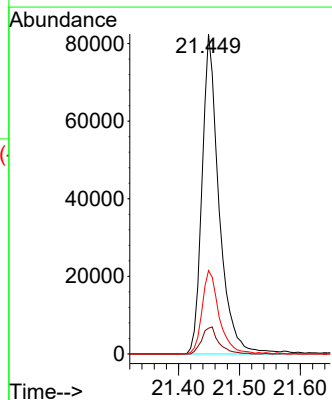
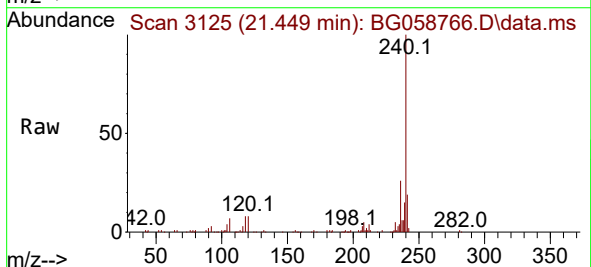
Instrument :
BNA_G
ClientSampleId :
TP-24

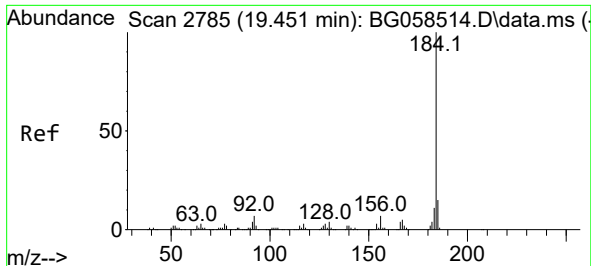
Tgt Ion:248 Resp: 7777
Ion Ratio Lower Upper
248 100
250 213.2 79.5 119.3#
141 456.6 48.2 72.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.449 min Scan# 3125
Delta R.T. 0.001 min
Lab File: BG058766.D
Acq: 17 Aug 2023 17:21

Tgt Ion:240 Resp: 159155
Ion Ratio Lower Upper
240 100
120 8.0 7.4 11.0
236 26.1 22.2 33.4

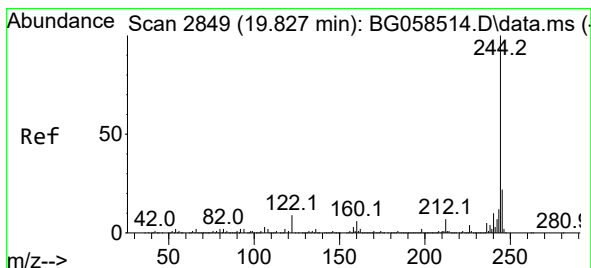
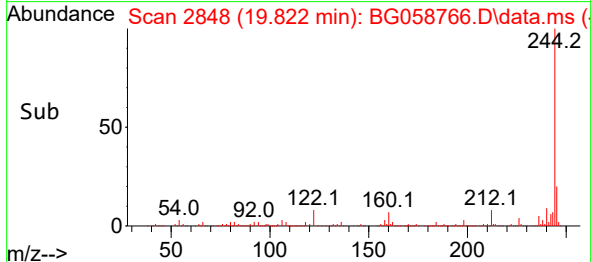
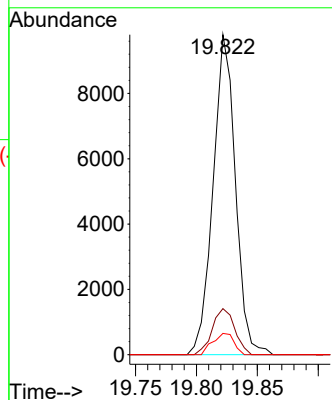
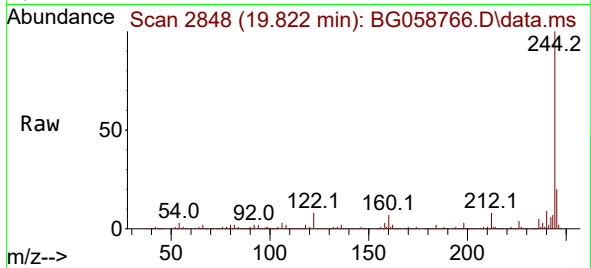




#77
Benzidine
Concen: 5.169 ng
RT: 19.822 min Scan# 2848
Delta R.T. 0.371 min
Lab File: BG058766.D
Acq: 17 Aug 2023 17:21

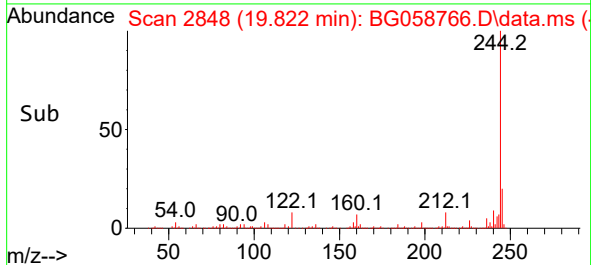
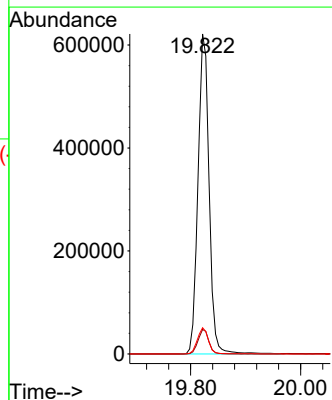
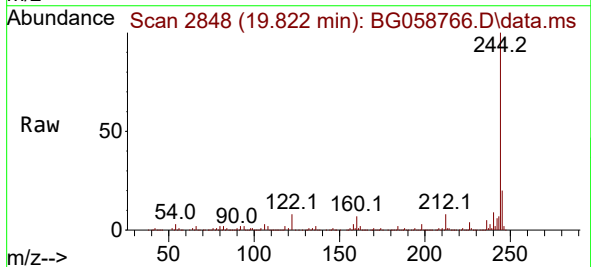
Instrument :
BNA_G
ClientSampleId :
TP-24

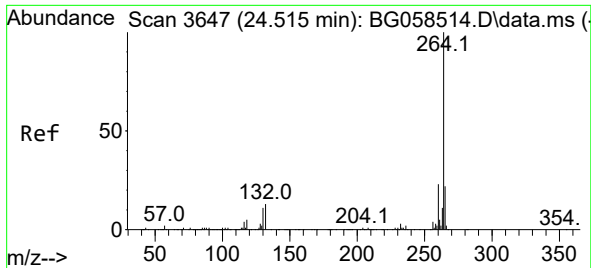
Tgt Ion:184 Resp: 12476
Ion Ratio Lower Upper
184 100
185 14.4 11.9 17.9
183 6.6 8.7 13.1#



#79
Terphenyl-d14
Concen: 102.921 ng
RT: 19.822 min Scan# 2848
Delta R.T. -0.005 min
Lab File: BG058766.D
Acq: 17 Aug 2023 17:21

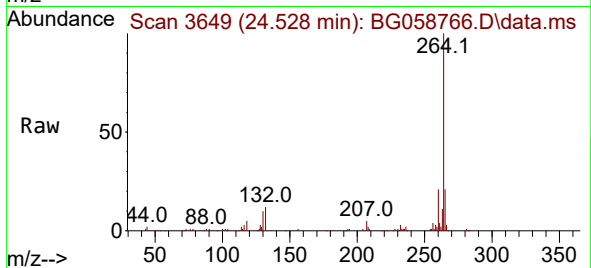
Tgt Ion:244 Resp: 871054
Ion Ratio Lower Upper
244 100
212 7.6 5.9 8.9
122 8.2 6.8 10.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.528 min Scan# 30
 Delta R.T. 0.013 min
 Lab File: BG058766.D
 Acq: 17 Aug 2023 17:21

Instrument :
 BNA_G
 ClientSampleId :
 TP-24



Tgt Ion:	264	Resp:	180710
Ion	Ratio	Lower	Upper
264	100		
260	21.5	18.4	27.6
265	21.4	17.9	26.9

