

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112423\
 Data File : BG059866.D
 Acq On : 24 Nov 2023 20:23
 Operator : MA/JU
 Sample : 05469-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-12

Quant Time: Nov 25 01:01:28 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 24 15:11:07 2023
 Response via : Initial Calibration

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

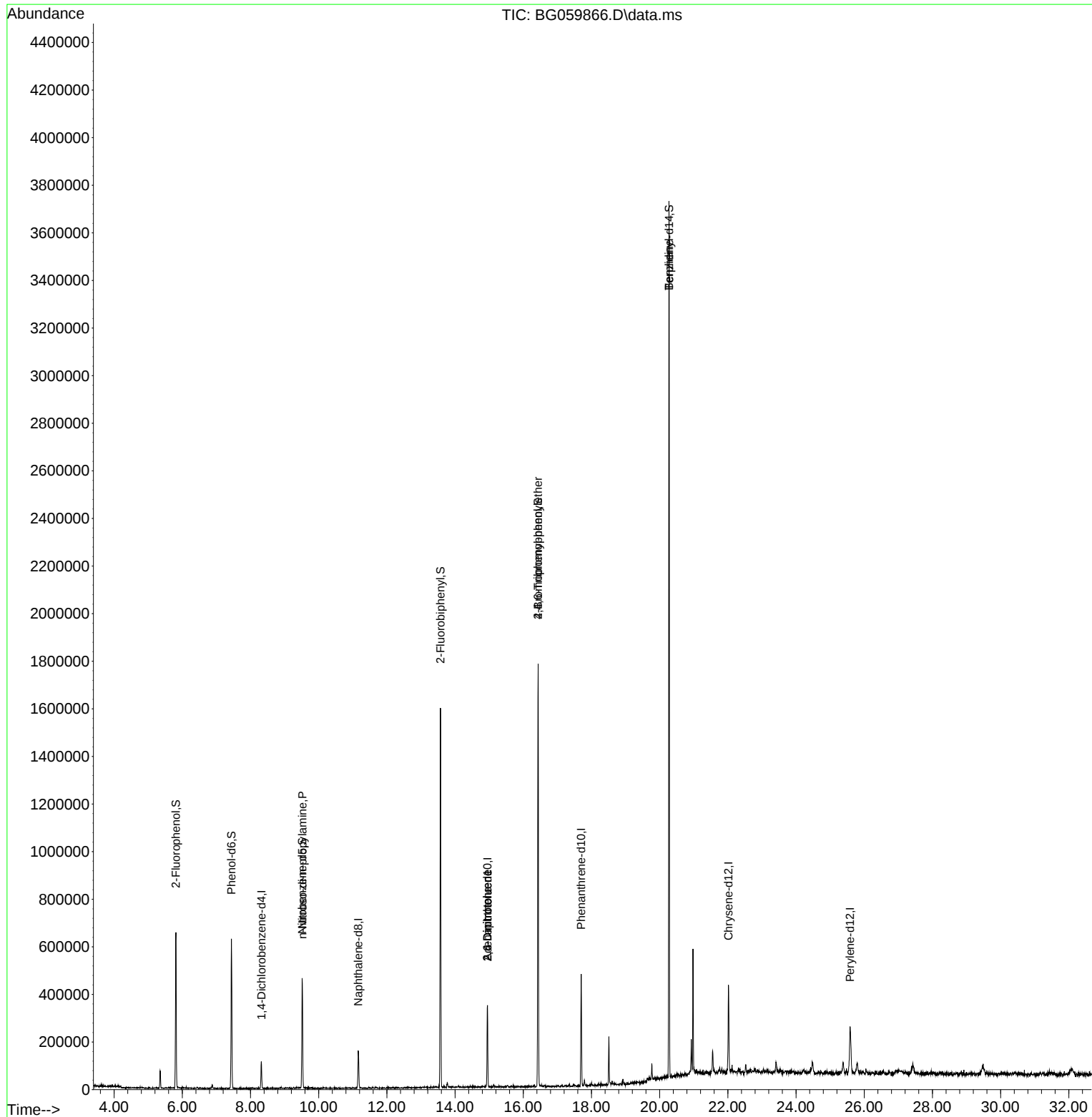
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.323	152	24679	20.000	ng	0.00
21) Naphthalene-d8	11.161	136	109077	20.000	ng	# 0.00
39) Acenaphthene-d10	14.951	164	111930	20.000	ng	0.00
64) Phenanthrene-d10	17.700	188	263651	20.000	ng	# 0.00
76) Chrysene-d12	22.019	240	209908	20.000	ng	#-0.01
86) Perylene-d12	25.585	264	226616	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.814	112	223050	152.123	ng	0.00
7) Phenol-d6	7.442	99	269587	124.071	ng	0.00
23) Nitrobenzene-d5	9.516	82	285360	99.915	ng	0.00
42) 2,4,6-Tribromophenol	16.437	330	231257	182.094	ng	0.00
45) 2-Fluorobiphenyl	13.570	172	684243	82.286	ng	0.00
79) Terphenyl-d14	20.280	244	1509427	106.155	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.522	70	47959	28.029	ng	# 83
51) 2,6-Dinitrotoluene	14.951	165	13175	8.007	ng	# 1
57) 2,4-Dinitrotoluene	14.951	165	13175	5.206	ng	# 3
67) 4-Bromophenyl-phenylether	16.437	248	17375	6.134	ng	# 1
77) Benzidine	20.274	184	44745	9.401	ng	# 87

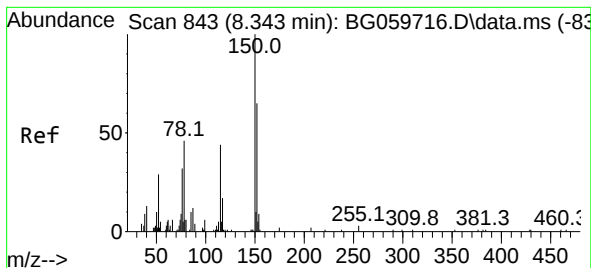
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Nov 24 15:11:07 2023
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.323 min Scan# 84

Delta R.T. 0.008 min

Lab File: BG059866.D

Acq: 24 Nov 2023 20:23

Instrument :

BNA_G

ClientSampleId :

TP-12

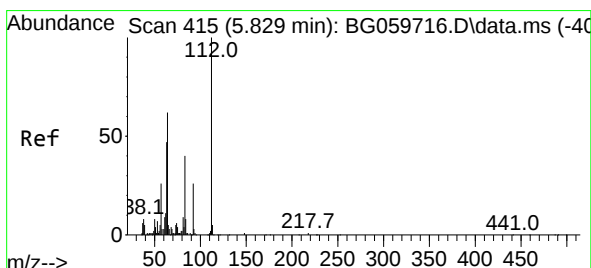
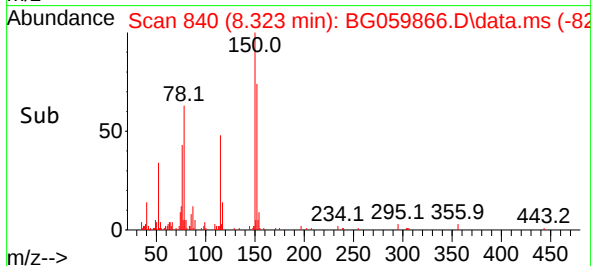
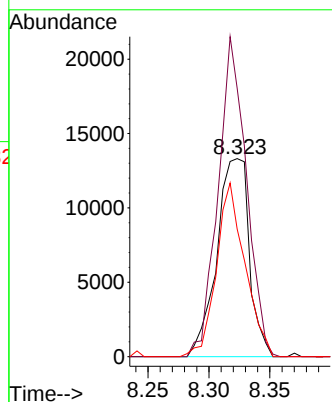
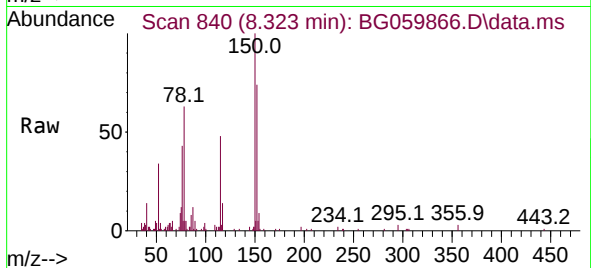
Tgt Ion:152 Resp: 24679

Ion Ratio Lower Upper

152 100

150 135.6 122.2 183.4

115 64.5 54.2 81.4



#5

2-Fluorophenol

Concen: 152.123 ng

RT: 5.814 min Scan# 413

Delta R.T. 0.003 min

Lab File: BG059866.D

Acq: 24 Nov 2023 20:23

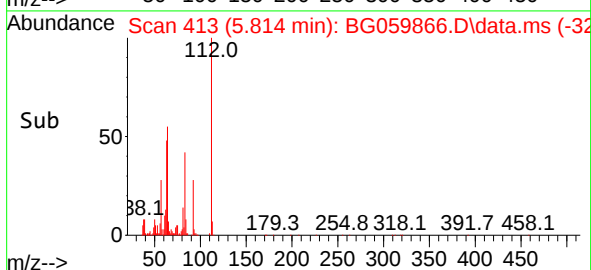
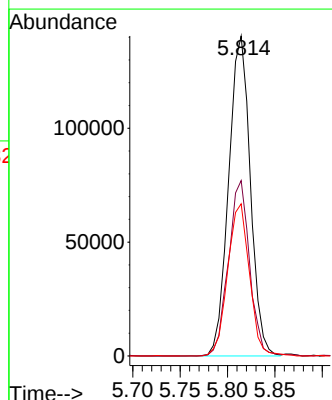
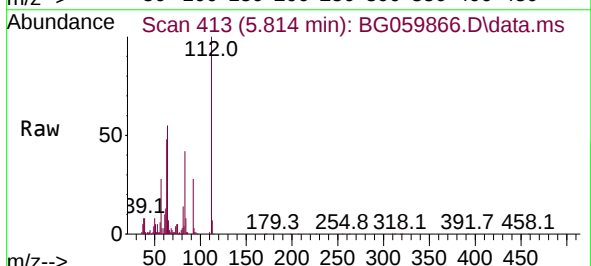
Tgt Ion:112 Resp: 223050

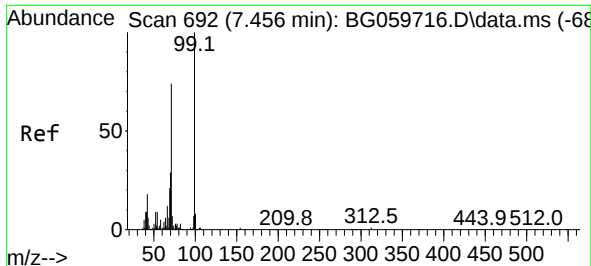
Ion Ratio Lower Upper

112 100

64 54.8 49.5 74.3

63 47.6 37.4 56.2

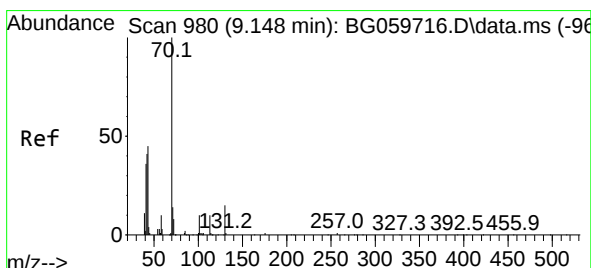
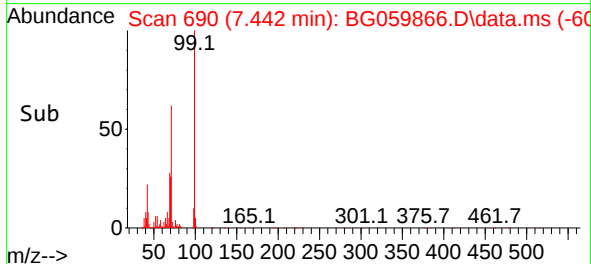
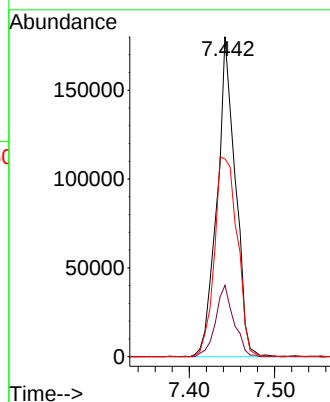
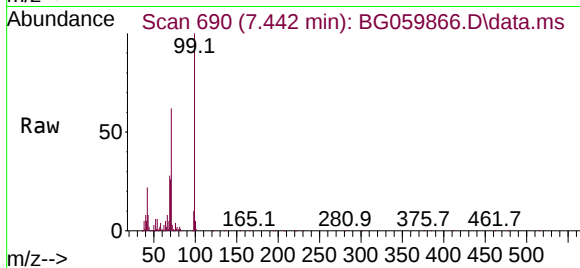




#7
Phenol-d6
Concen: 124.071 ng
RT: 7.442 min Scan# 692
Delta R.T. -0.003 min
Lab File: BG059866.D
Acq: 24 Nov 2023 20:23

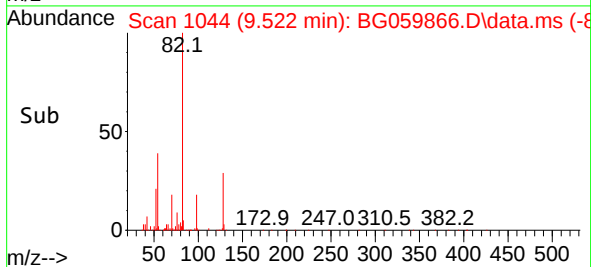
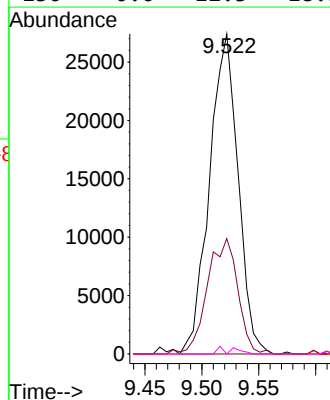
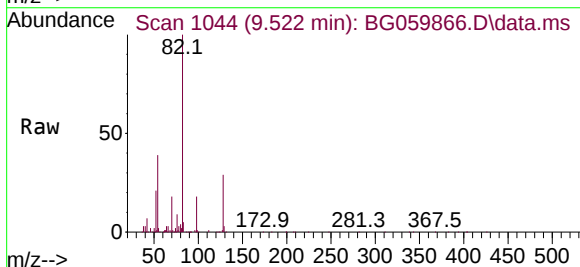
Instrument :
BNA_G
ClientSampleId :
TP-12

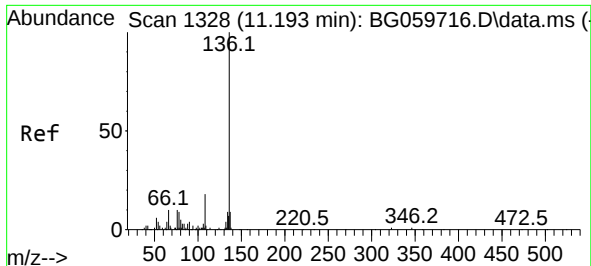
Tgt Ion: 99 Resp: 269587
Ion Ratio Lower Upper
99 100
42 22.3 14.3 21.5#
71 61.8 59.3 88.9



#19
n-Nitroso-di-n-propylamine
Concen: 28.029 ng
RT: 9.522 min Scan# 1044
Delta R.T. 0.390 min
Lab File: BG059866.D
Acq: 24 Nov 2023 20:23

Tgt Ion: 70 Resp: 47959
Ion Ratio Lower Upper
70 100
42 36.1 32.8 49.2
101 0.0 7.7 11.5#
130 0.0 12.3 18.5#

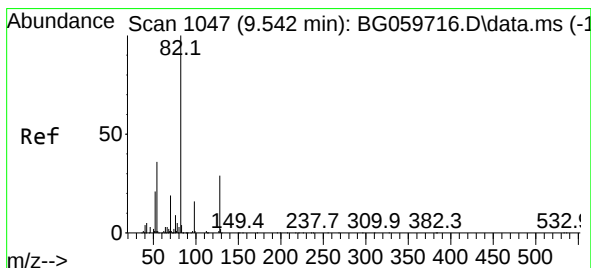
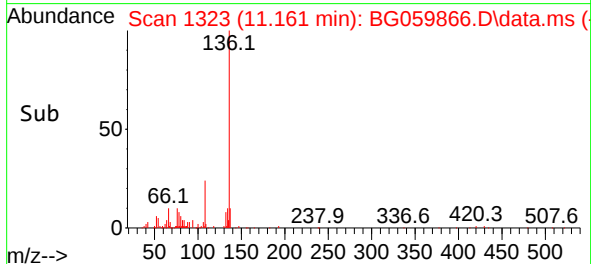
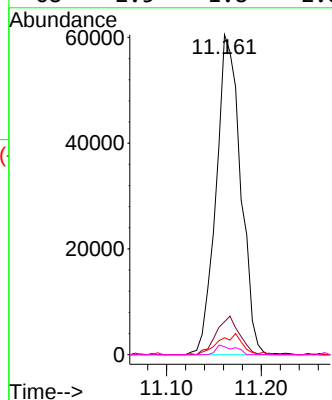
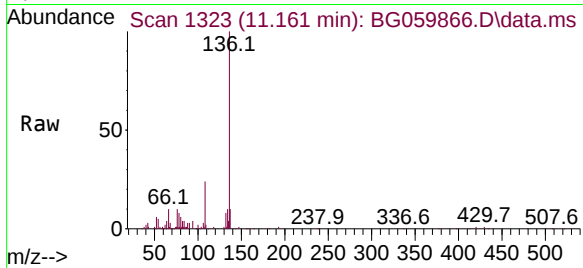




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.161 min Scan# 11
Delta R.T. -0.009 min
Lab File: BG059866.D
Acq: 24 Nov 2023 20:23

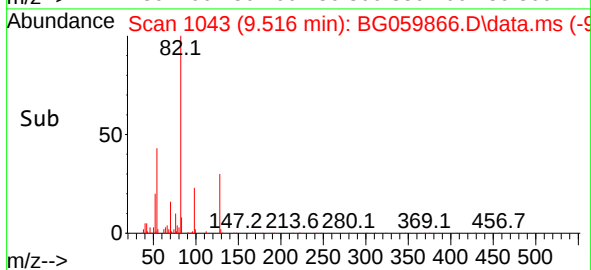
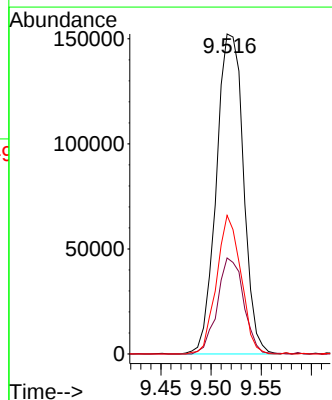
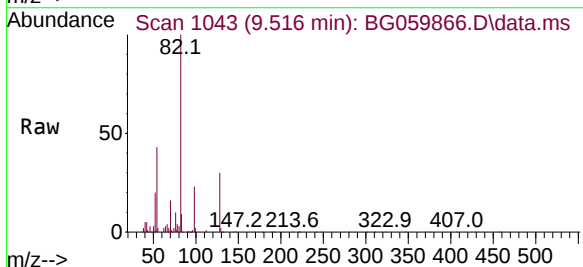
Instrument :
BNA_G
ClientSampleId :
TP-12

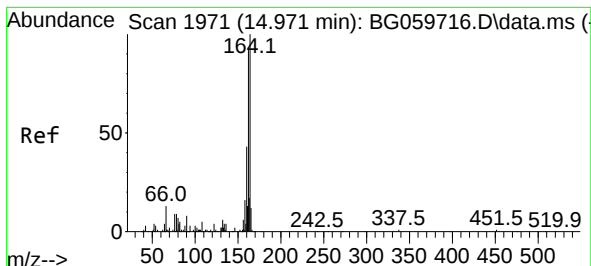
Tgt Ion:	136	Resp:	109077
Ion Ratio	Lower	Upper	
136	100		
137	10.3	7.4	11.0
54	5.3	3.1	4.7#
68	2.5	1.8	2.8



#23
Nitrobenzene-d5
Concen: 99.915 ng
RT: 9.516 min Scan# 1043
Delta R.T. -0.009 min
Lab File: BG059866.D
Acq: 24 Nov 2023 20:23

Tgt Ion:	82	Resp:	285360
Ion Ratio	Lower	Upper	
82	100		
128	30.0	23.0	34.6
54	43.3	28.7	43.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.951 min Scan# 1968

Delta R.T. -0.003 min

Lab File: BG059866.D

Acq: 24 Nov 2023 20:23

Instrument :

BNA_G

ClientSampleId :

TP-12

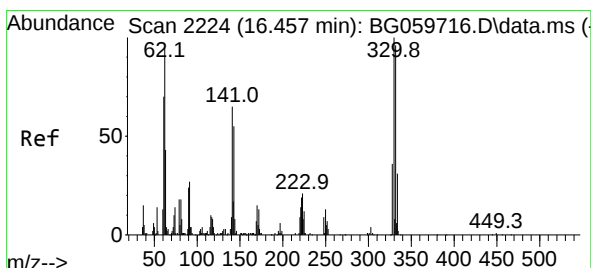
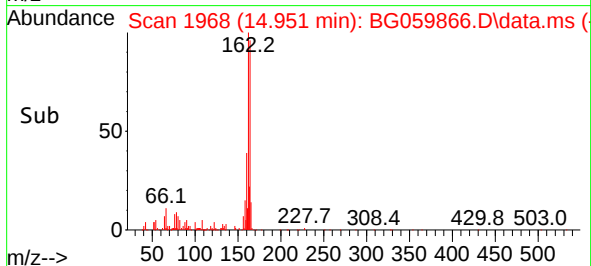
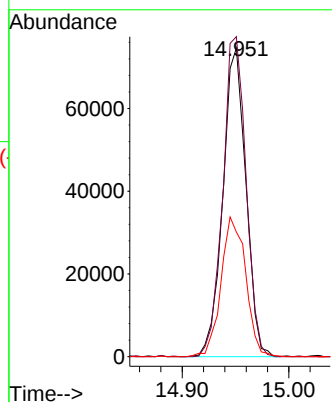
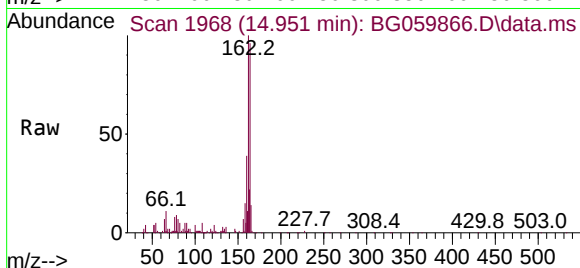
Tgt Ion:164 Resp: 111930

Ion Ratio Lower Upper

164 100

162 103.7 73.3 109.9

160 40.4 34.1 51.1



#42

2,4,6-Tribromophenol

Concen: 182.094 ng

RT: 16.437 min Scan# 2221

Delta R.T. -0.003 min

Lab File: BG059866.D

Acq: 24 Nov 2023 20:23

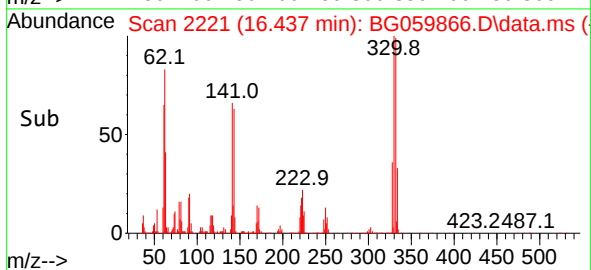
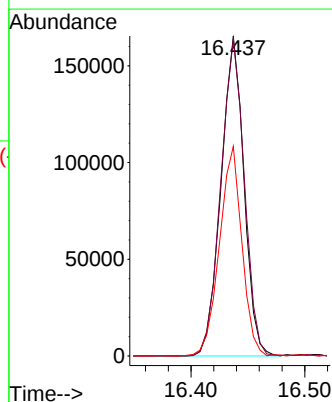
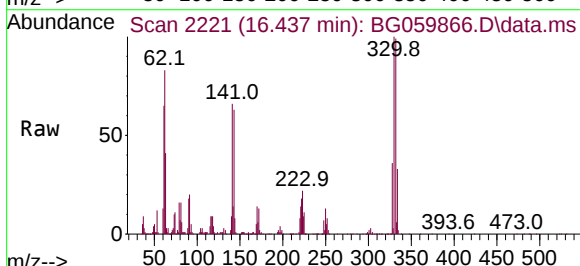
Tgt Ion:330 Resp: 231257

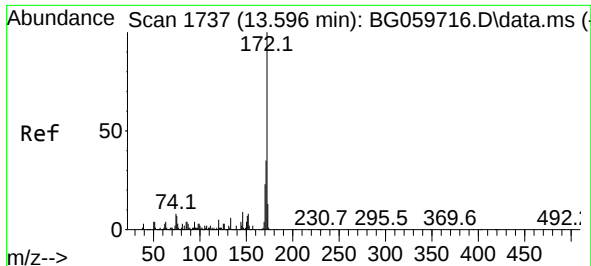
Ion Ratio Lower Upper

330 100

332 101.8 73.3 109.9

141 64.4 52.1 78.1

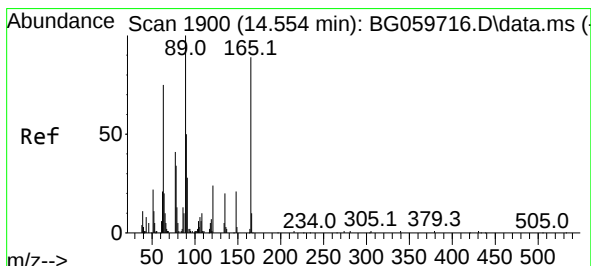
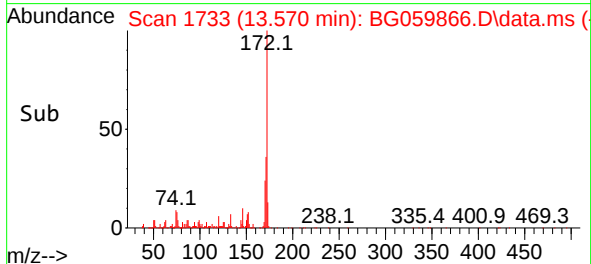
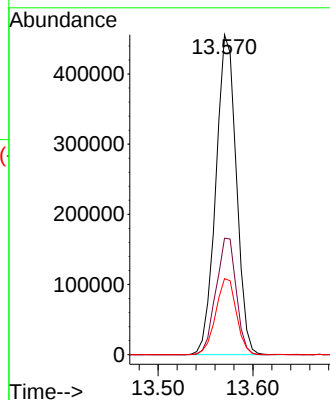
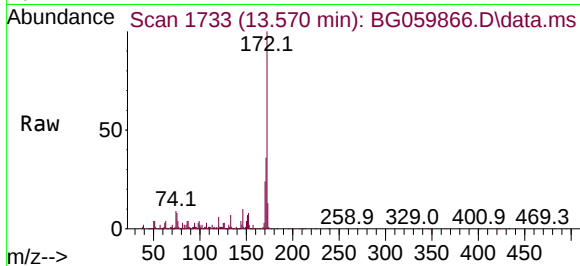




#45
2-Fluorobiphenyl
Concen: 82.286 ng
RT: 13.570 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG059866.D
Acq: 24 Nov 2023 20:23

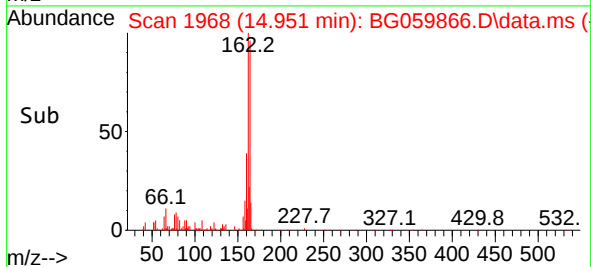
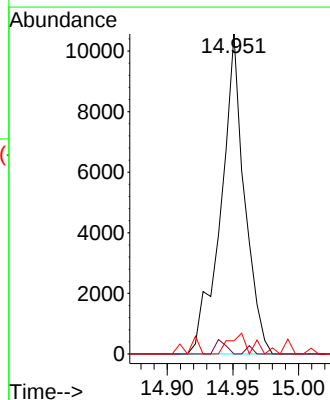
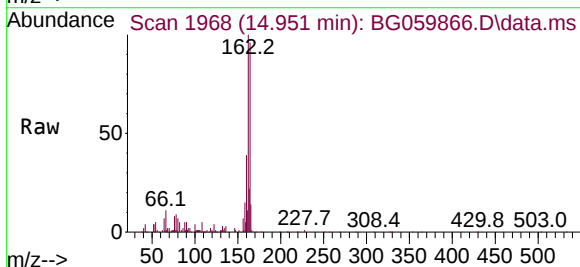
Instrument :
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ClientSampleId :
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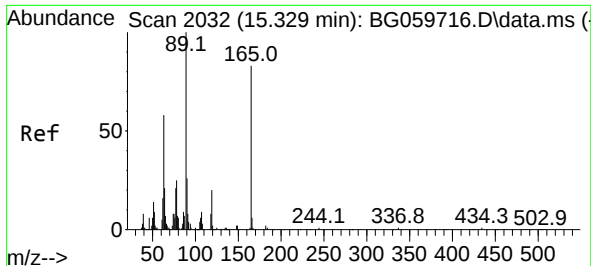
Tgt Ion:172 Resp: 684243
Ion Ratio Lower Upper
172 100
171 36.4 27.7 41.5
170 23.7 18.4 27.6



#51
2,6-Dinitrotoluene
Concen: 8.007 ng
RT: 14.951 min Scan# 1968
Delta R.T. 0.408 min
Lab File: BG059866.D
Acq: 24 Nov 2023 20:23

Tgt Ion:165 Resp: 13175
Ion Ratio Lower Upper
165 100
63 0.0 75.3 112.9#
89 4.1 90.9 136.3#

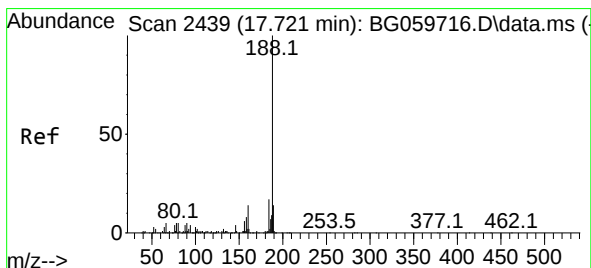
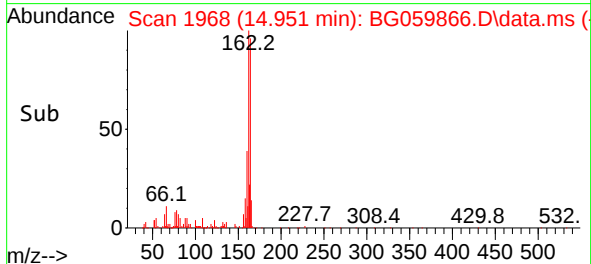
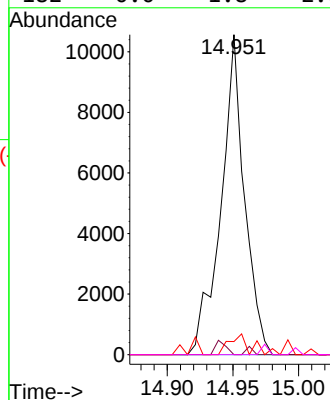
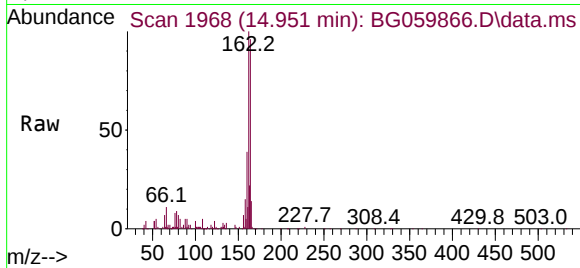




#57
2,4-Dinitrotoluene
Concen: 5.206 ng
RT: 14.951 min Scan# 1968
Delta R.T. -0.373 min
Lab File: BG059866.D
Acq: 24 Nov 2023 20:23

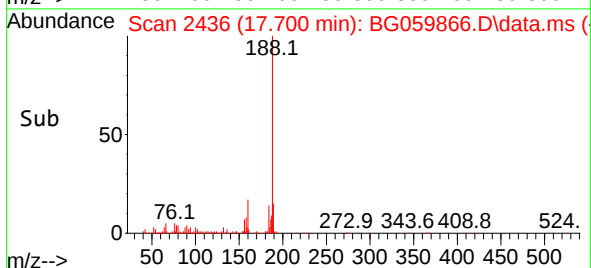
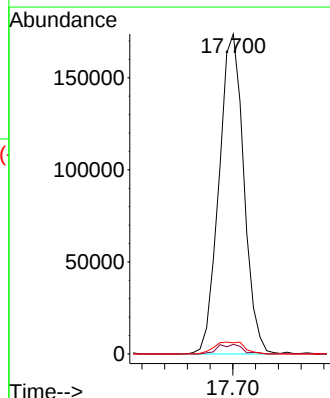
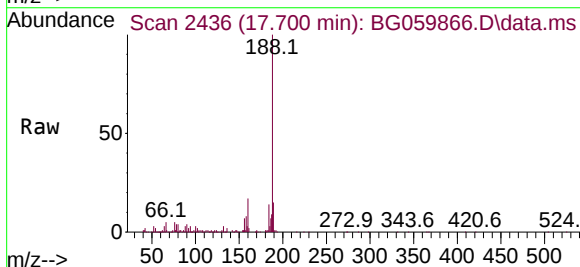
Instrument :
BNA_G
ClientSampleId :
TP-12

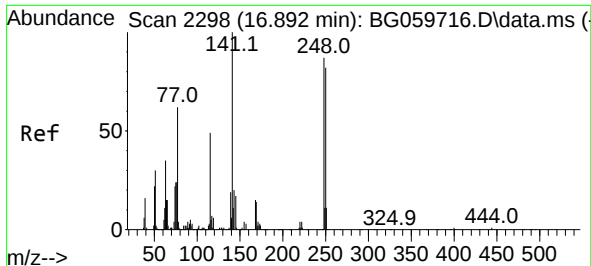
Tgt Ion:165 Resp: 13175
Ion Ratio Lower Upper
165 100
63 0.0 55.8 83.8#
89 4.1 96.9 145.3#
182 0.0 1.8 2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.700 min Scan# 2436
Delta R.T. -0.009 min
Lab File: BG059866.D
Acq: 24 Nov 2023 20:23

Tgt Ion:188 Resp: 263651
Ion Ratio Lower Upper
188 100
94 3.0 3.0 4.4
80 3.5 4.2 6.4#

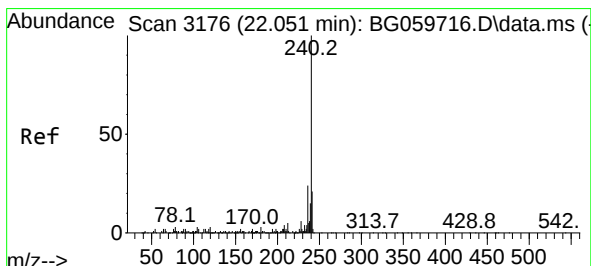
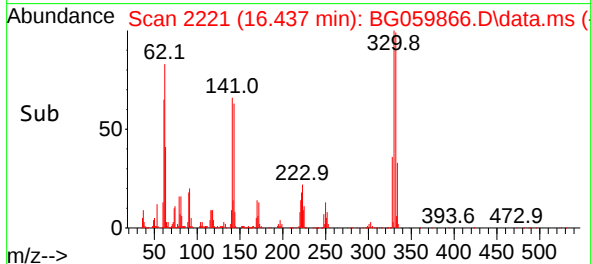
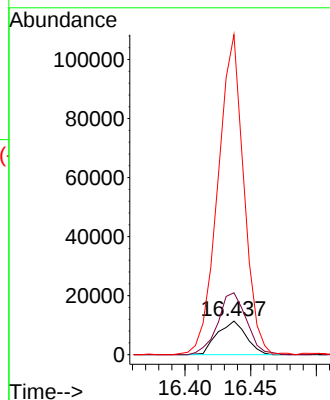
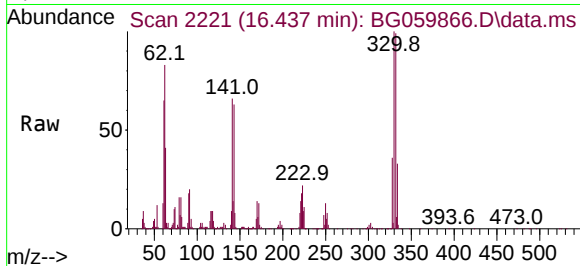




#67
4-Bromophenyl-phenylether
Concen: 6.134 ng
RT: 16.437 min Scan# 21
Delta R.T. -0.444 min
Lab File: BG059866.D
Acq: 24 Nov 2023 20:23

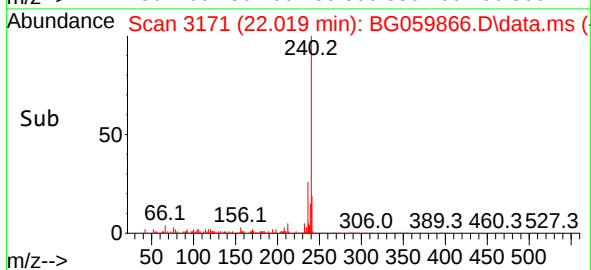
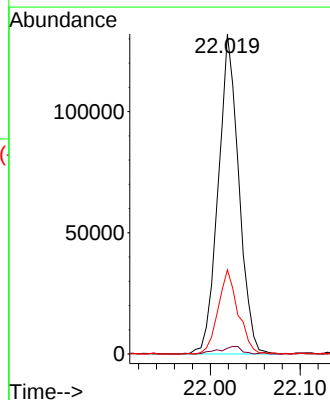
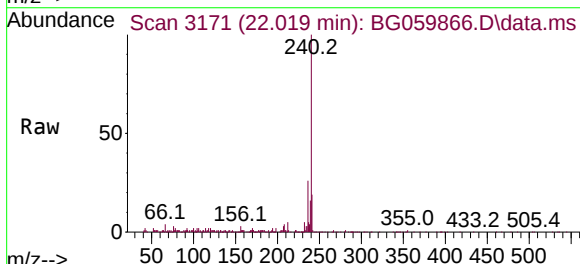
Instrument :
BNA_G
ClientSampleId :
TP-12

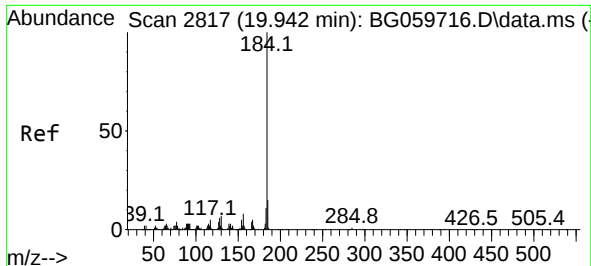
Tgt Ion:248 Resp: 17375
Ion Ratio Lower Upper
248 100
250 184.8 75.2 112.8#
141 954.1 91.5 137.3#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.019 min Scan# 3171
Delta R.T. -0.015 min
Lab File: BG059866.D
Acq: 24 Nov 2023 20:23

Tgt Ion:240 Resp: 209908
Ion Ratio Lower Upper
240 100
120 1.8 2.2 3.2#
236 26.3 19.4 29.2

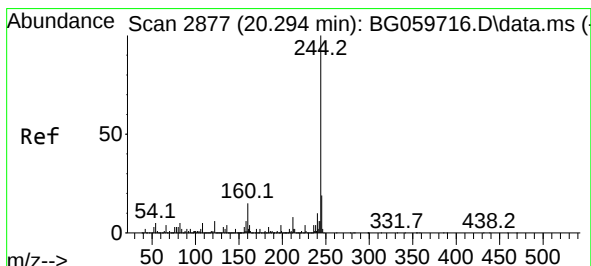
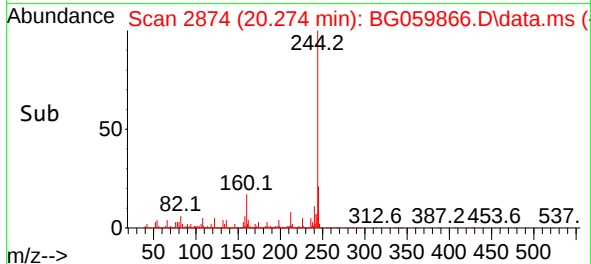
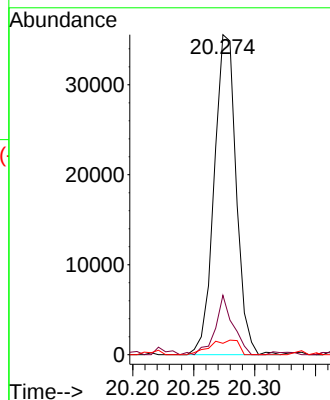
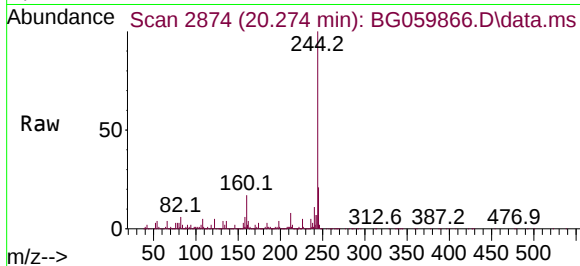




#77
Benzidine
Concen: 9.401 ng
RT: 20.274 min Scan# 2874
Delta R.T. 0.343 min
Lab File: BG059866.D
Acq: 24 Nov 2023 20:23

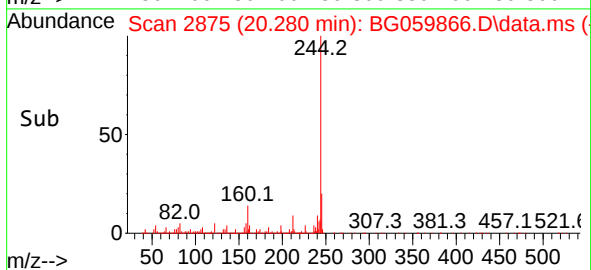
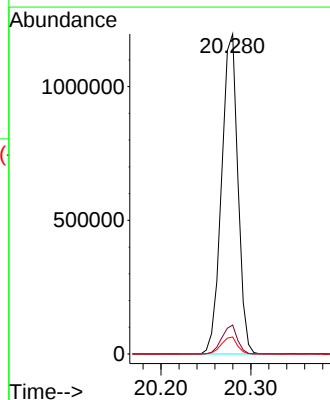
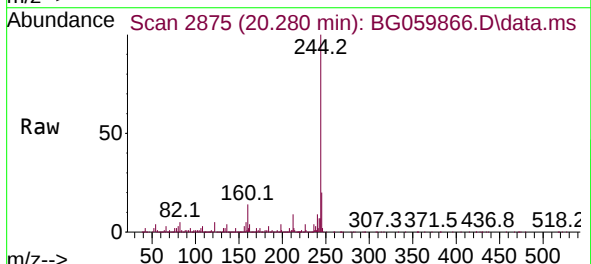
Instrument :
BNA_G
ClientSampleId :
TP-12

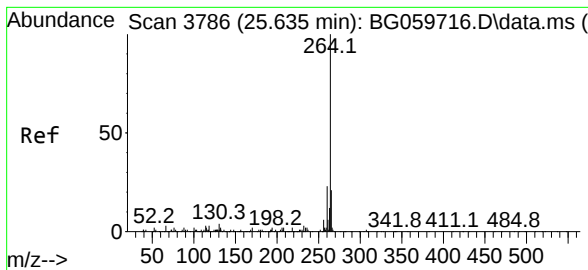
Tgt Ion:184 Resp: 44745
Ion Ratio Lower Upper
184 100
185 18.6 12.2 18.2#
183 3.5 8.8 13.2#



#79
Terphenyl-d14
Concen: 106.155 ng
RT: 20.280 min Scan# 2875
Delta R.T. -0.003 min
Lab File: BG059866.D
Acq: 24 Nov 2023 20:23

Tgt Ion:244 Resp: 1509427
Ion Ratio Lower Upper
244 100
212 9.1 6.6 10.0
122 5.3 4.4 6.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.585 min Scan# 31
 Delta R.T. -0.027 min
 Lab File: BG059866.D
 Acq: 24 Nov 2023 20:23

Instrument :
 BNA_G
 ClientSampleId :
 TP-12

Tgt Ion:264 Resp: 226616

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.5	27.7
265	23.1	17.0	25.6

