

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
 Data File : BG059842.D
 Acq On : 23 Nov 2023 7:54
 Operator : MA/JU
 Sample : 05447-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP1

Quant Time: Nov 24 00:18:06 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 17 01:51:38 2023
 Response via : Initial Calibration

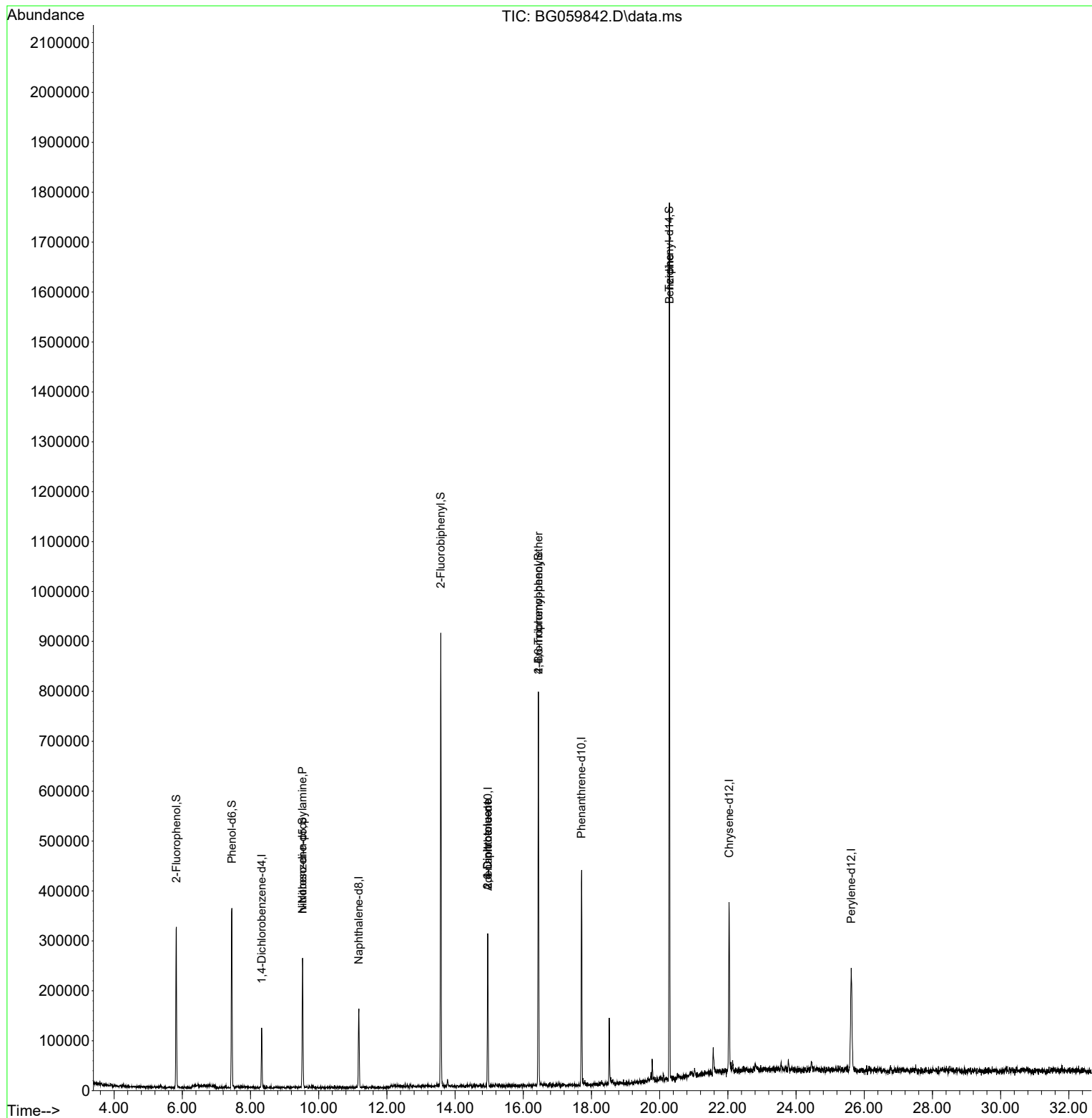
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.329	152	25003	20.000	ng	-0.01
21) Naphthalene-d8	11.179	136	114659	20.000	ng	#-0.01
39) Acenaphthene-d10	14.963	164	96067	20.000	ng	0.00
64) Phenanthrene-d10	17.707	188	235100	20.000	ng	#-0.01
76) Chrysene-d12	22.037	240	201443	20.000	ng	#-0.01
86) Perylene-d12	25.621	264	238580	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.826	112	111799	75.260	ng	0.00
7) Phenol-d6	7.454	99	164062	74.527	ng	0.00
23) Nitrobenzene-d5	9.528	82	159558	53.147	ng	-0.01
42) 2,4,6-Tribromophenol	16.449	330	113606	104.226	ng	0.00
45) 2-Fluorobiphenyl	13.582	172	386108	54.100	ng	-0.01
79) Terphenyl-d14	20.286	244	722814	52.970	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.528	70	28753	16.586	ng	# 78
51) 2,6-Dinitrotoluene	14.957	165	13415	9.499	ng	# 2
57) 2,4-Dinitrotoluene	14.957	165	13415	6.177	ng	# 6
67) 4-Bromophenyl-phenylether	16.449	248	8242	3.263	ng	# 1
77) Benzdine	20.292	184	20074	4.395	ng	# 85

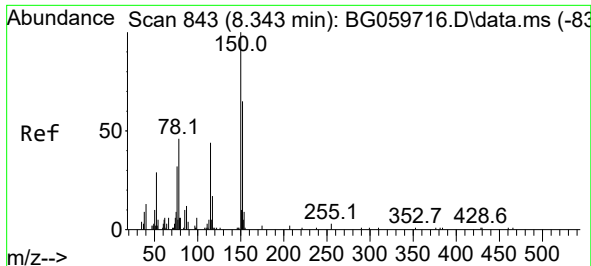
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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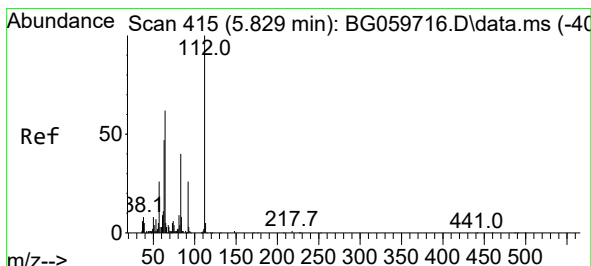
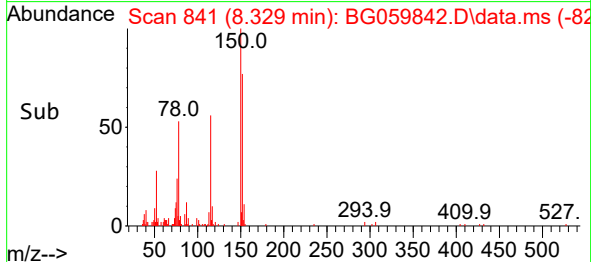
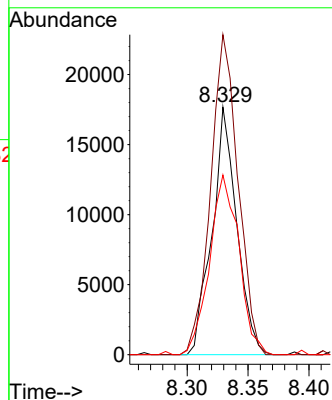
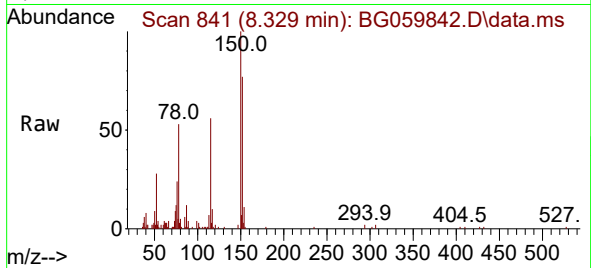




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.329 min Scan# 843
Delta R.T. -0.014 min
Lab File: BG059842.D
Acq: 23 Nov 2023 7:54

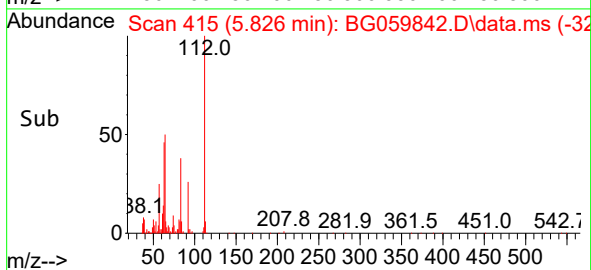
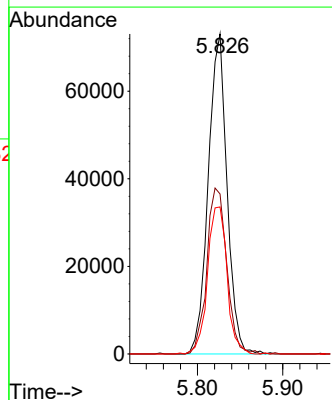
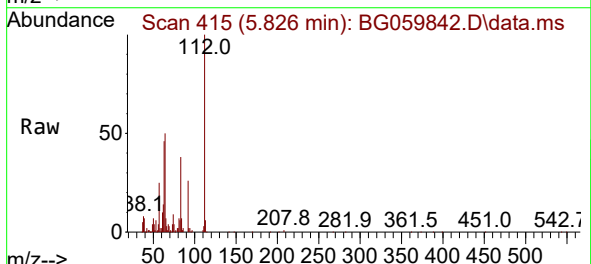
Instrument :
BNA_G
ClientSampleId :
SP1

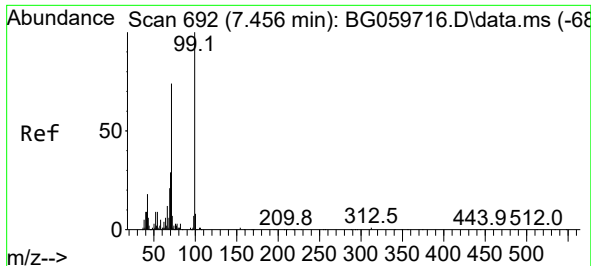
Tgt Ion:152 Resp: 25003
Ion Ratio Lower Upper
152 100
150 129.3 122.2 183.4
115 72.6 54.2 81.4



#5
2-Fluorophenol
Concen: 75.260 ng
RT: 5.826 min Scan# 415
Delta R.T. -0.002 min
Lab File: BG059842.D
Acq: 23 Nov 2023 7:54

Tgt Ion:112 Resp: 111799
Ion Ratio Lower Upper
112 100
64 50.0 49.5 74.3
63 45.9 37.4 56.2

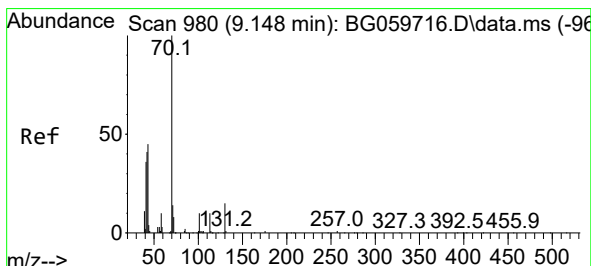
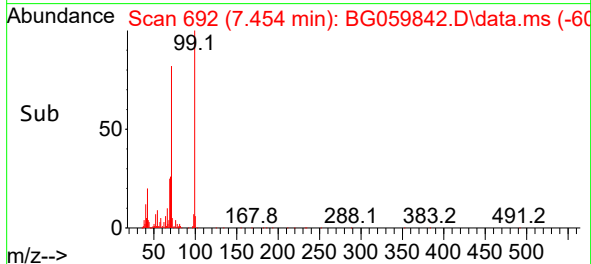
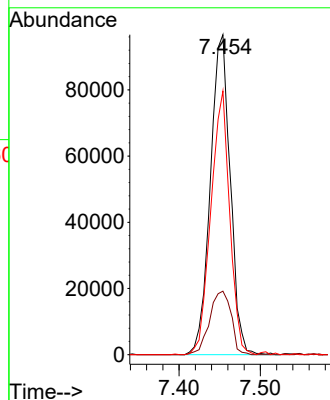
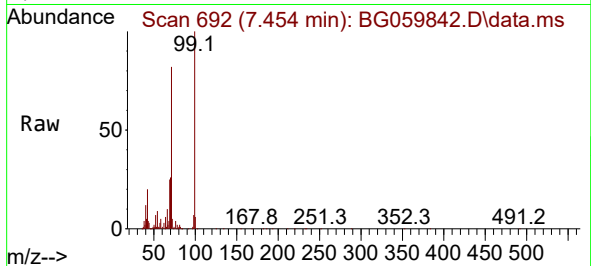




#7
Phenol-d6
Concen: 74.527 ng
RT: 7.454 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG059842.D
Acq: 23 Nov 2023 7:54

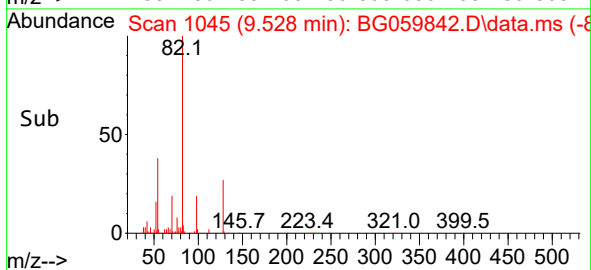
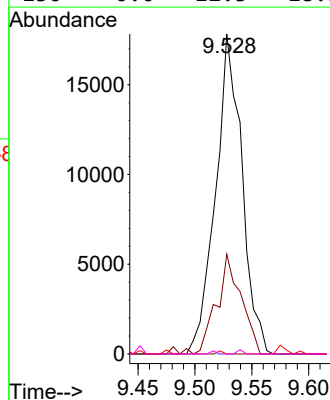
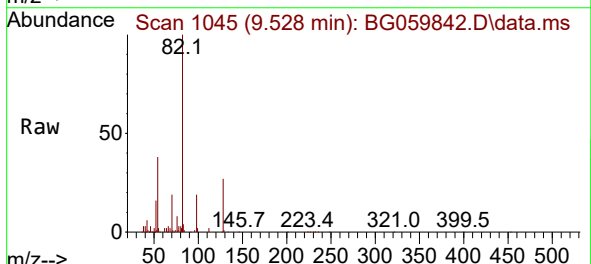
Instrument :
BNA_G
ClientSampleId :
SP1

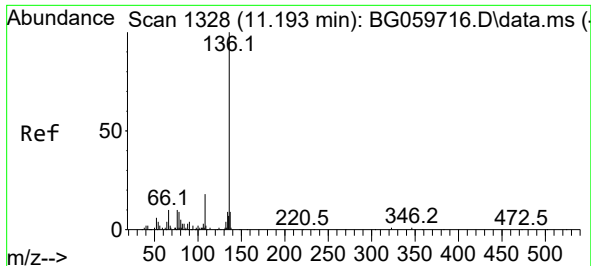
Tgt Ion: 99 Resp: 164062
Ion Ratio Lower Upper
99 100
42 19.9 14.3 21.5
71 82.4 59.3 88.9



#19
n-Nitroso-di-n-propylamine
Concen: 16.586 ng
RT: 9.528 min Scan# 1045
Delta R.T. 0.380 min
Lab File: BG059842.D
Acq: 23 Nov 2023 7:54

Tgt Ion: 70 Resp: 28753
Ion Ratio Lower Upper
70 100
42 31.2 32.8 49.2#
101 0.0 7.7 11.5#
130 0.0 12.3 18.5#

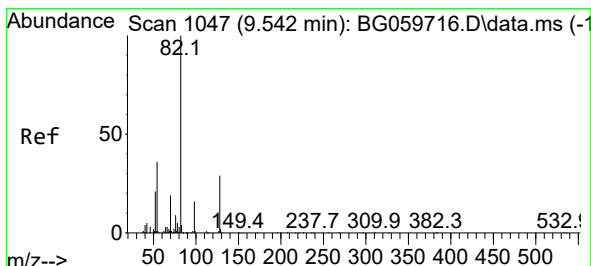
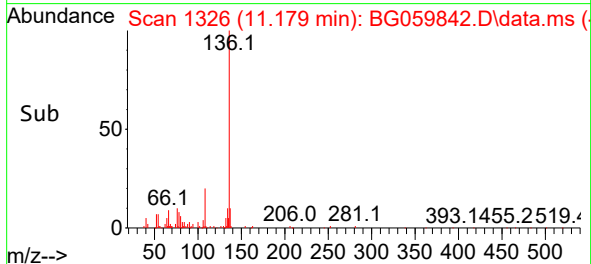
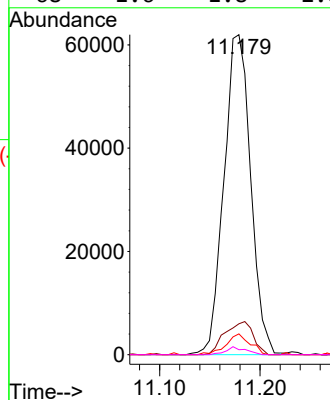
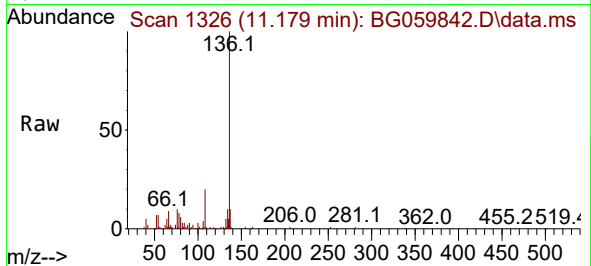




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.179 min Scan# 111
Delta R.T. -0.014 min
Lab File: BG059842.D
Acq: 23 Nov 2023 7:54

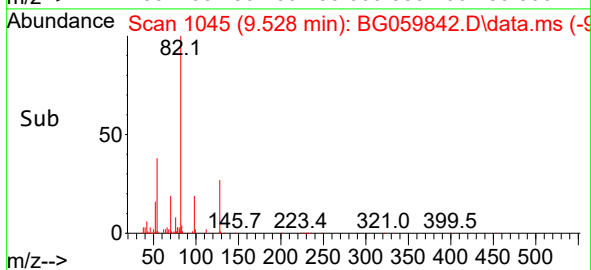
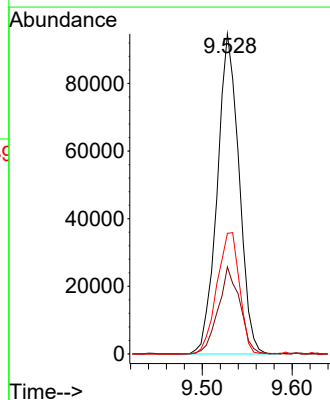
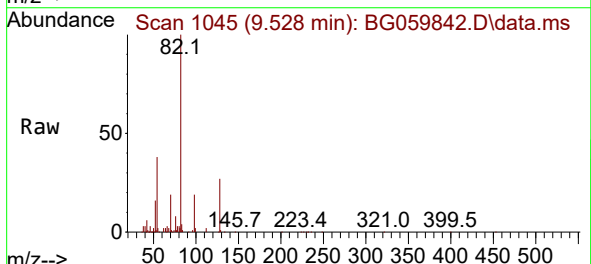
Instrument :
BNA_G
ClientSampleId :
SP1

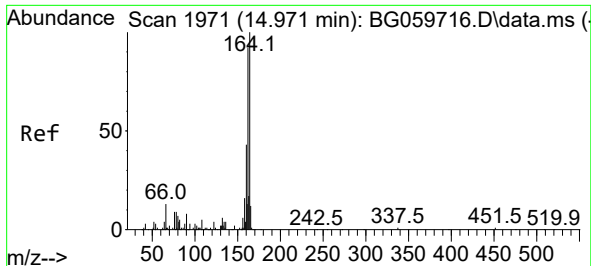
Tgt Ion:136 Resp: 114659
Ion Ratio Lower Upper
136 100
137 9.7 7.4 11.0
54 6.5 3.1 4.7#
68 1.6 1.8 2.8#



#23
Nitrobenzene-d5
Concen: 53.147 ng
RT: 9.528 min Scan# 1045
Delta R.T. -0.014 min
Lab File: BG059842.D
Acq: 23 Nov 2023 7:54

Tgt Ion: 82 Resp: 159558
Ion Ratio Lower Upper
82 100
128 27.2 23.0 34.6
54 37.7 28.7 43.1

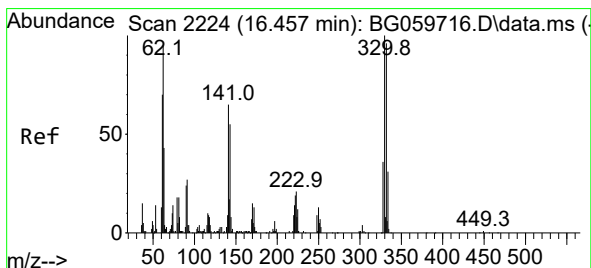
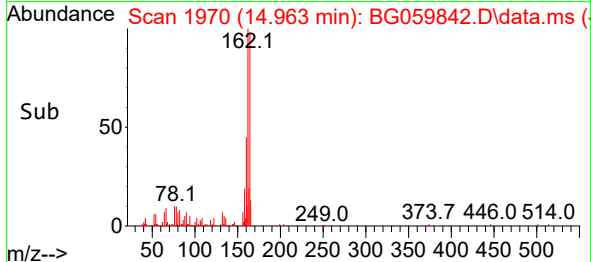
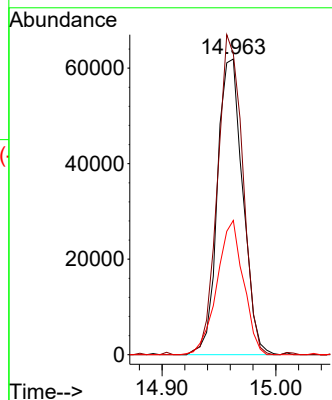
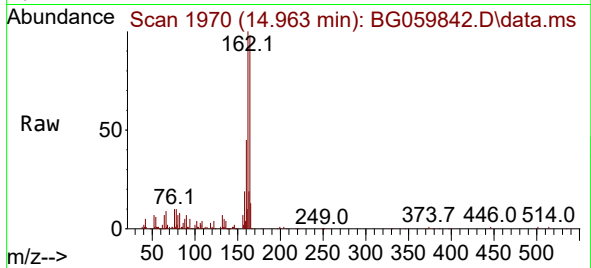




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.963 min Scan# 1970
Delta R.T. -0.008 min
Lab File: BG059842.D
Acq: 23 Nov 2023 7:54

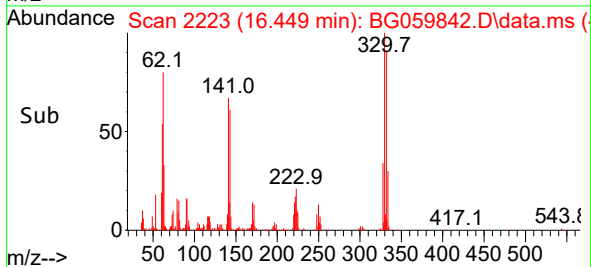
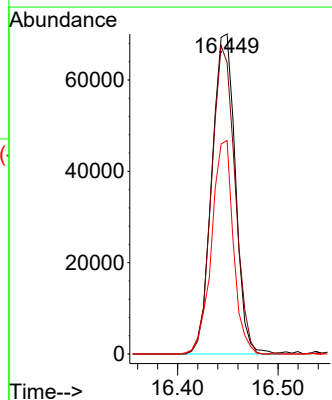
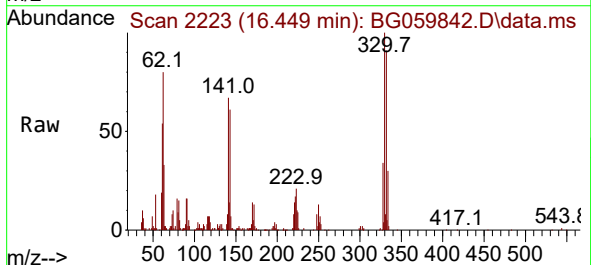
Instrument :
BNA_G
ClientSampleId :
SP1

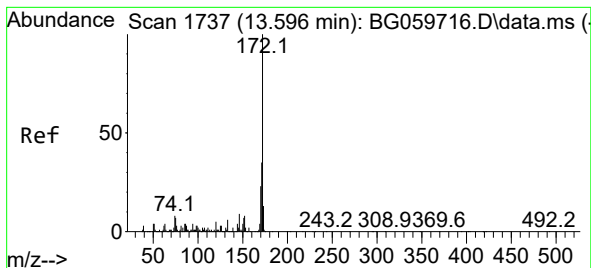
Tgt Ion:164 Resp: 96067
Ion Ratio Lower Upper
164 100
162 101.8 73.3 109.9
160 45.4 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 104.226 ng
RT: 16.449 min Scan# 2223
Delta R.T. -0.008 min
Lab File: BG059842.D
Acq: 23 Nov 2023 7:54

Tgt Ion:330 Resp: 113606
Ion Ratio Lower Upper
330 100
332 95.7 73.3 109.9
141 61.8 52.1 78.1





#45

2-Fluorobiphenyl

Concen: 54.100 ng

RT: 13.582 min Scan# 1

Delta R.T. -0.014 min

Lab File: BG059842.D

Acq: 23 Nov 2023 7:54

Instrument :

BNA_G

ClientSampleId :

SP1

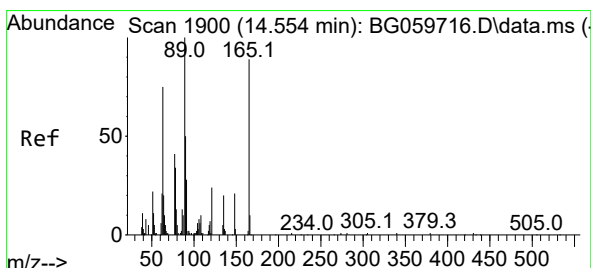
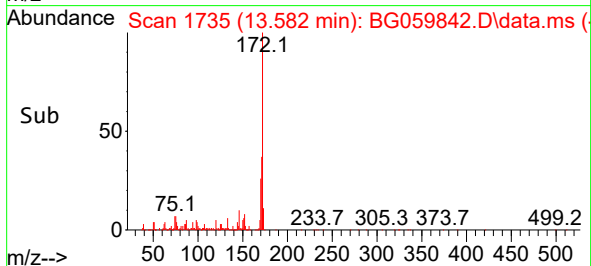
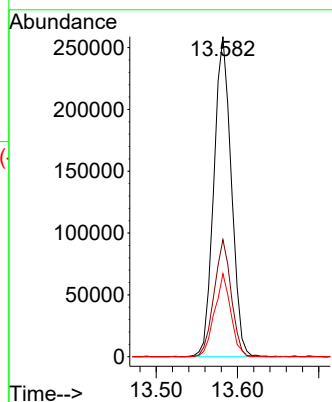
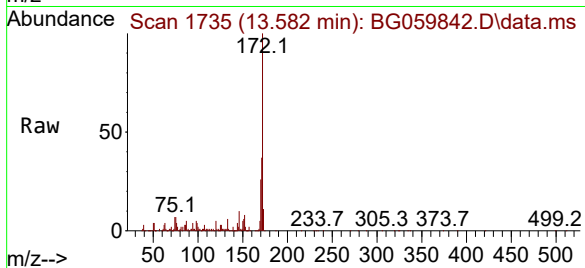
Tgt Ion:172 Resp: 386108

Ion Ratio Lower Upper

172 100

171 36.6 27.7 41.5

170 25.9 18.4 27.6



#51

2,6-Dinitrotoluene

Concen: 9.499 ng

RT: 14.957 min Scan# 1969

Delta R.T. 0.403 min

Lab File: BG059842.D

Acq: 23 Nov 2023 7:54

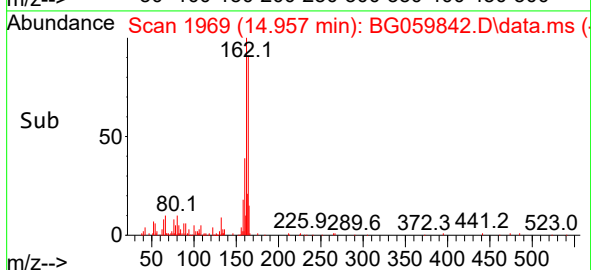
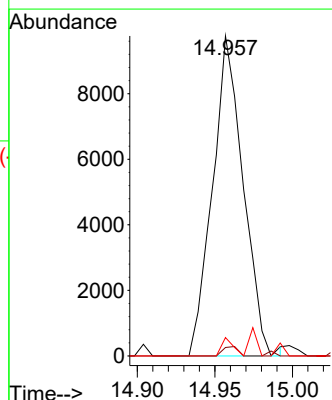
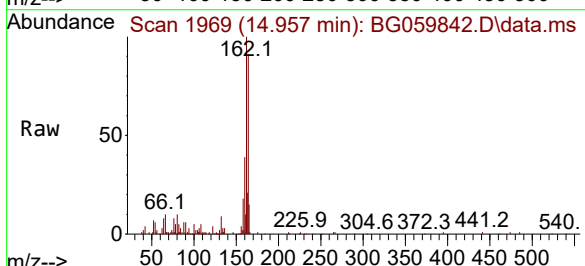
Tgt Ion:165 Resp: 13415

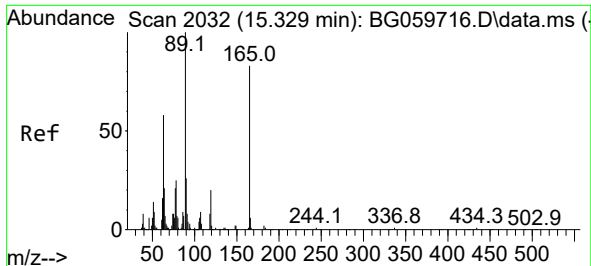
Ion Ratio Lower Upper

165 100

63 2.7 75.3 112.9#

89 5.7 90.9 136.3#





#57

2,4-Dinitrotoluene

Concen: 6.177 ng

RT: 14.957 min Scan# 1969

Delta R.T. -0.372 min

Lab File: BG059842.D

Acq: 23 Nov 2023 7:54

Instrument :

BNA_G

ClientSampleId :

SP1

Tgt Ion:165 Resp: 13415

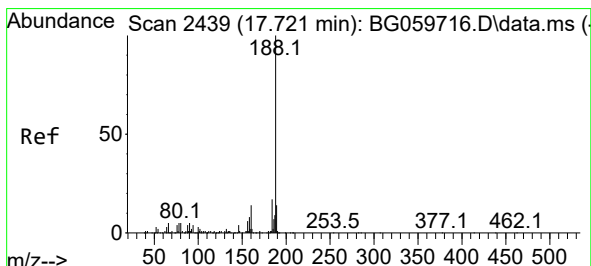
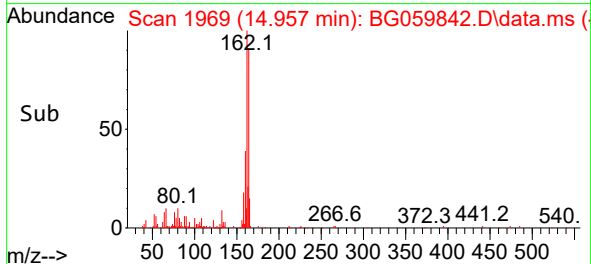
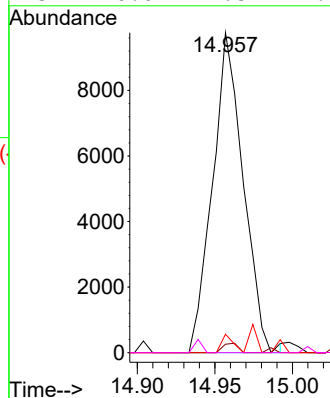
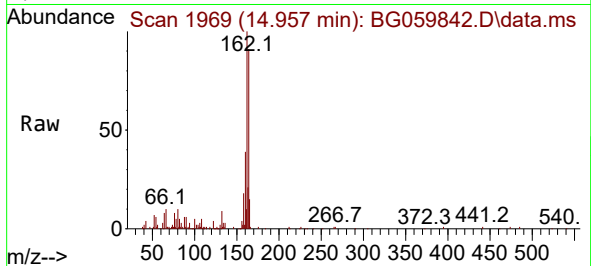
Ion Ratio Lower Upper

165 100

63 2.7 55.8 83.8#

89 5.7 96.9 145.3#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.707 min Scan# 2437

Delta R.T. -0.014 min

Lab File: BG059842.D

Acq: 23 Nov 2023 7:54

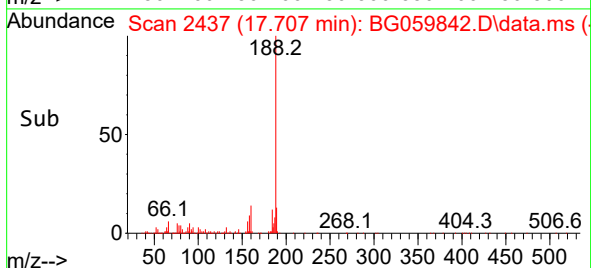
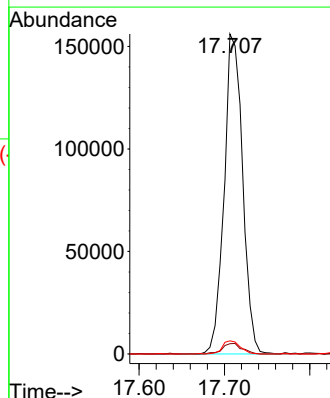
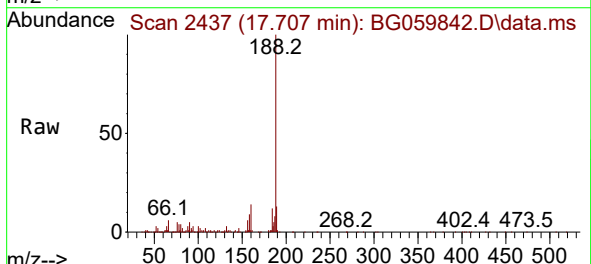
Tgt Ion:188 Resp: 235100

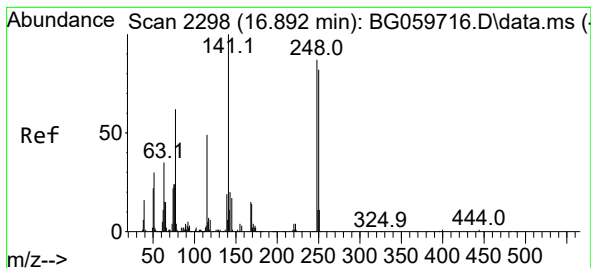
Ion Ratio Lower Upper

188 100

94 3.2 3.0 4.4

80 4.1 4.2 6.4#

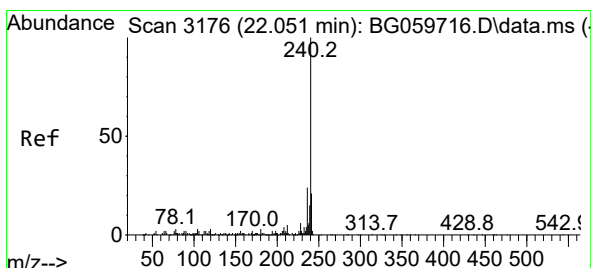
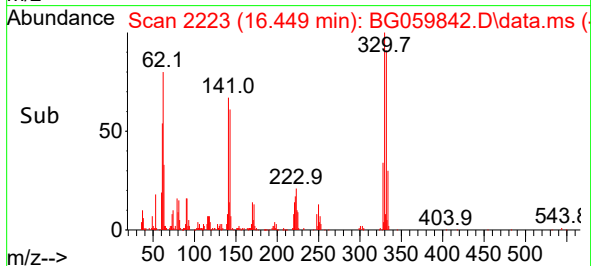
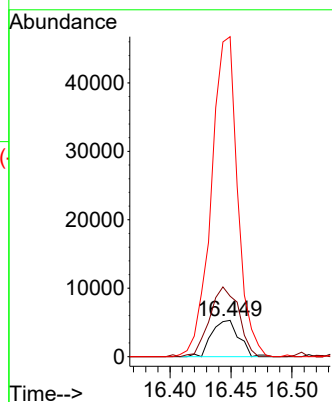
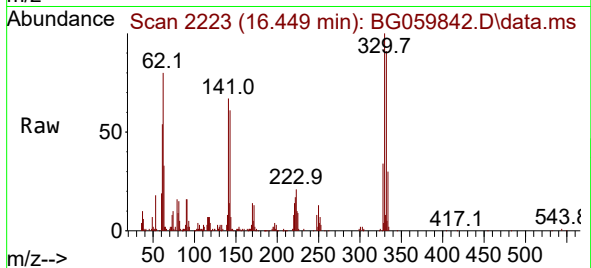




#67
4-Bromophenyl-phenylether
Concen: 3.263 ng
RT: 16.449 min Scan# 21
Delta R.T. -0.443 min
Lab File: BG059842.D
Acq: 23 Nov 2023 7:54

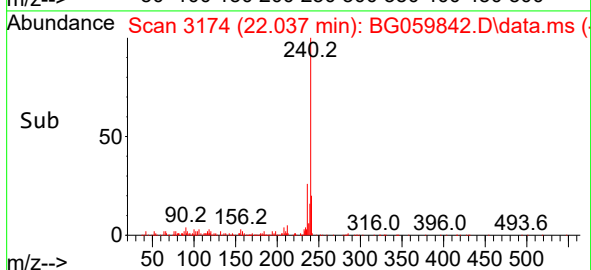
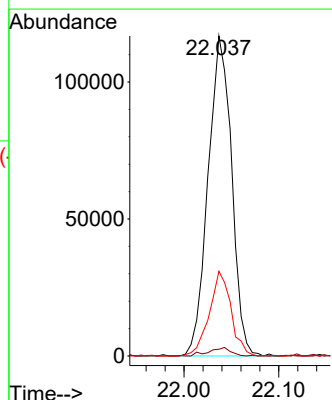
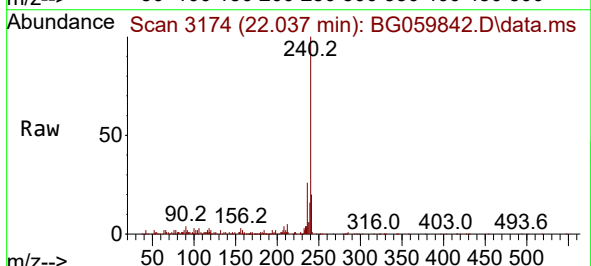
Instrument :
BNA_G
ClientSampleId :
SP1

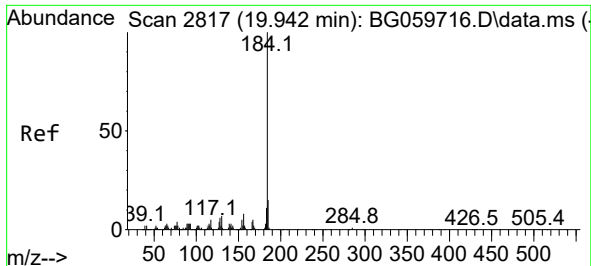
Tgt Ion:248 Resp: 8242
Ion Ratio Lower Upper
248 100
250 166.5 75.2 112.8#
141 881.9 91.5 137.3#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.037 min Scan# 3174
Delta R.T. -0.014 min
Lab File: BG059842.D
Acq: 23 Nov 2023 7:54

Tgt Ion:240 Resp: 201443
Ion Ratio Lower Upper
240 100
120 2.1 2.2 3.2#
236 26.4 19.4 29.2

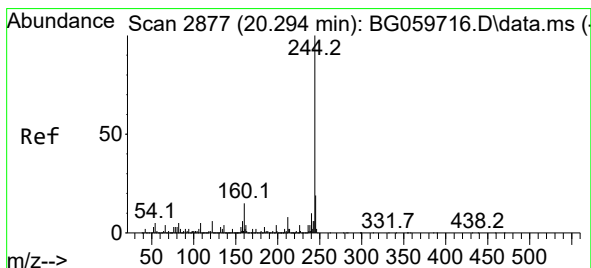
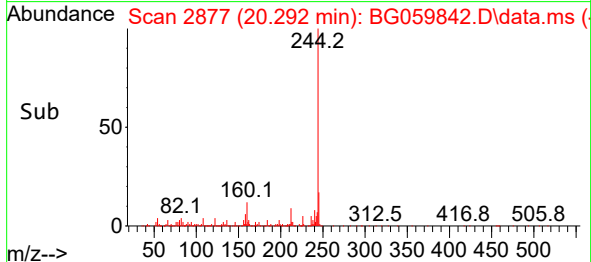
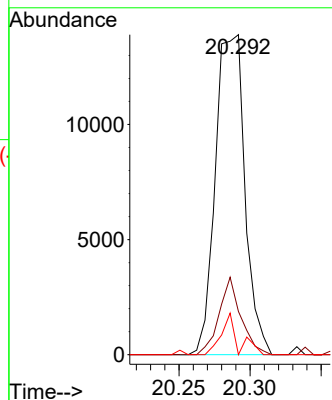
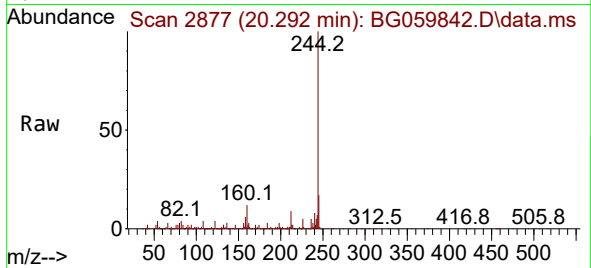




#77
Benzidine
Concen: 4.395 ng
RT: 20.292 min Scan# 2817
Delta R.T. 0.350 min
Lab File: BG059842.D
Acq: 23 Nov 2023 7:54

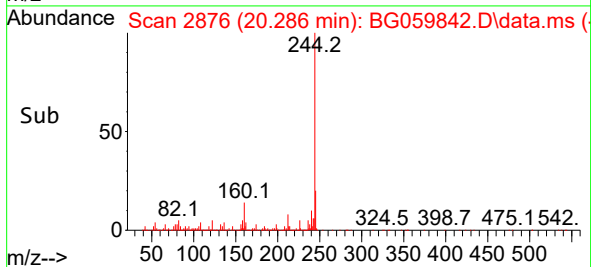
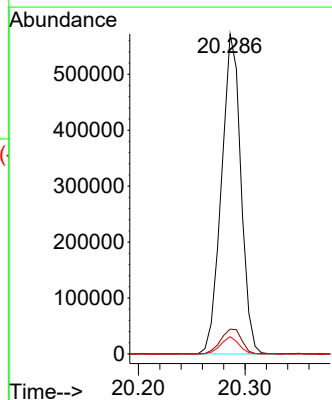
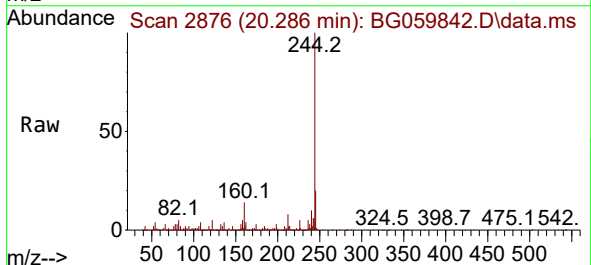
Instrument :
BNA_G
ClientSampleId :
SP1

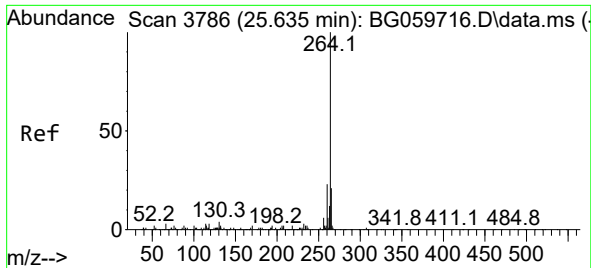
Tgt Ion:184 Resp: 20074
Ion Ratio Lower Upper
184 100
185 13.5 12.2 18.2
183 0.0 8.8 13.2#



#79
Terphenyl-d14
Concen: 52.970 ng
RT: 20.286 min Scan# 2876
Delta R.T. -0.008 min
Lab File: BG059842.D
Acq: 23 Nov 2023 7:54

Tgt Ion:244 Resp: 722814
Ion Ratio Lower Upper
244 100
212 7.7 6.6 10.0
122 5.4 4.4 6.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.621 min Scan# 31
 Delta R.T. -0.014 min
 Lab File: BG059842.D
 Acq: 23 Nov 2023 7:54

Instrument :
 BNA_G
 ClientSampleId :
 SP1

Tgt Ion:264 Resp: 238580
 Ion Ratio Lower Upper
 264 100
 260 21.2 18.5 27.7
 265 20.4 17.0 25.6

