

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120623\
 Data File : BG059974.D
 Acq On : 6 Dec 2023 17:59
 Operator : MA/JU
 Sample : 05602-12
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ROUTE-4-TP-6

Quant Time: Dec 06 23:17:20 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG120423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 05 02:26:15 2023
 Response via : Initial Calibration

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

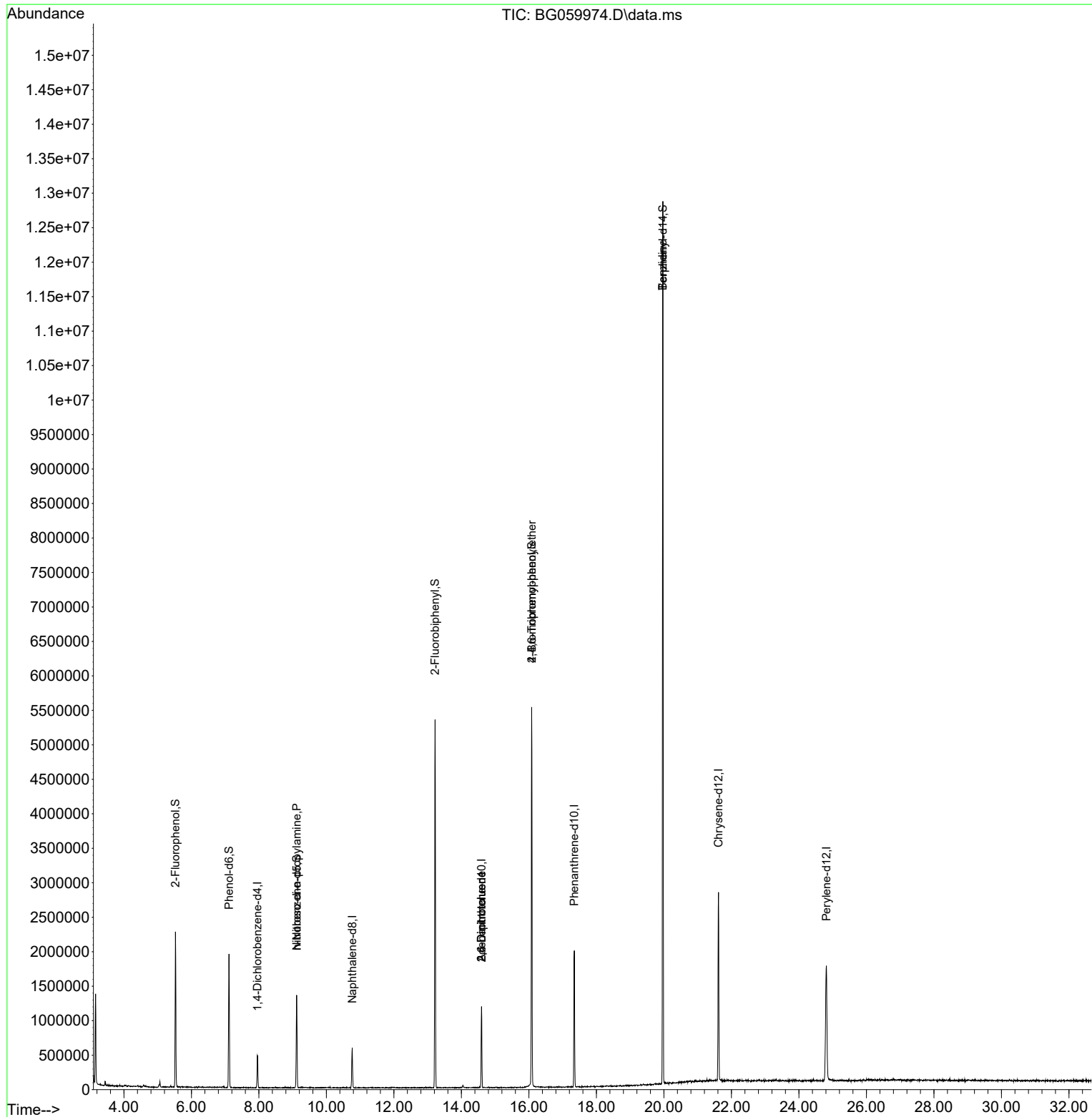
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.955	152	125931	20.000	ng	# 0.00
21) Naphthalene-d8	10.764	136	444340	20.000	ng	# 0.00
39) Acenaphthene-d10	14.594	164	405686	20.000	ng	0.00
64) Phenanthrene-d10	17.344	188	1419602	20.000	ng	0.00
76) Chrysene-d12	21.616	240	1865411	20.000	ng	0.00
86) Perylene-d12	24.812	264	2202373	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.529	112	878982	140.242	ng	0.00
7) Phenol-d6	7.115	99	1007135	101.952	ng	0.00
23) Nitrobenzene-d5	9.118	82	832901	67.006	ng	0.00
42) 2,4,6-Tribromophenol	16.081	330	1371769	105.096	ng	0.00
45) 2-Fluorobiphenyl	13.220	172	2842426	76.419	ng	0.00
79) Terphenyl-d14	19.970	244	6211836	57.406	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.118	70	127059	17.163	ng	# 81
51) 2,6-Dinitrotoluene	14.594	165	54971	7.265	ng	# 20
57) 2,4-Dinitrotoluene	14.594	165	54971	5.224	ng	# 24
67) 4-Bromophenyl-phenylether	16.081	248	81856	3.366	ng	# 1
77) Benzidine	19.965	184	138170	8.788	ng	# 93

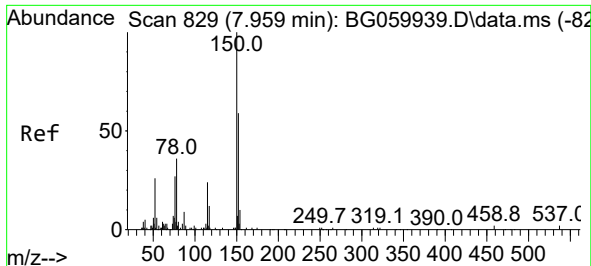
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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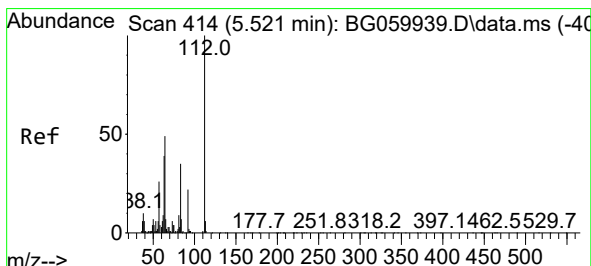
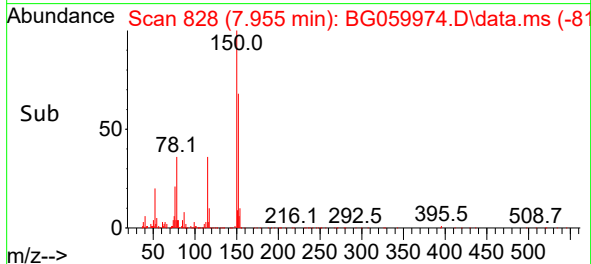
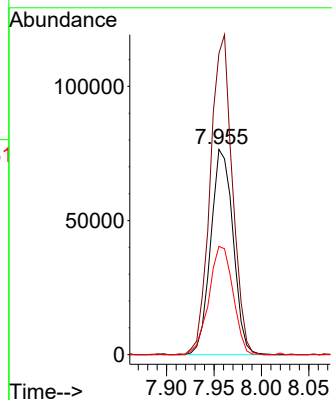
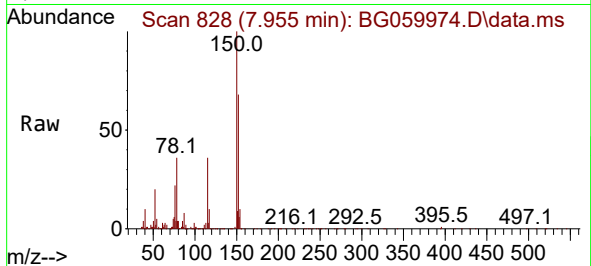




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.955 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG059974.D
Acq: 6 Dec 2023 17:59

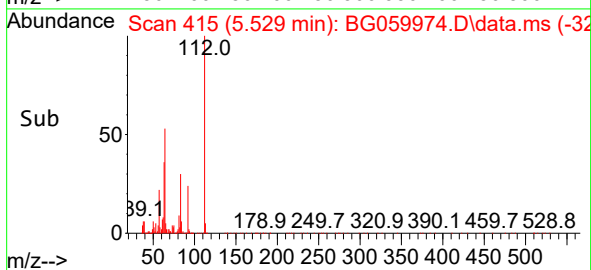
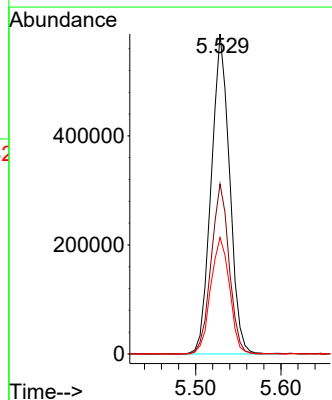
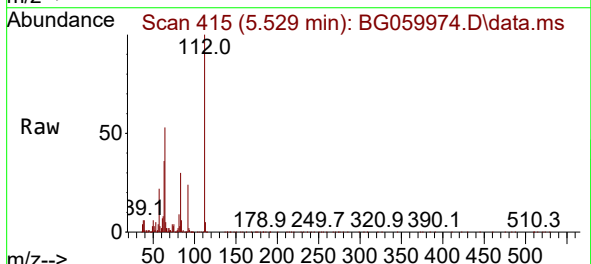
Instrument :
BNA_G
ClientSampleId :
ROUTE-4-TP-6

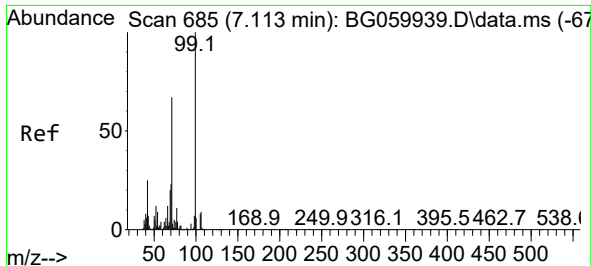
Tgt Ion:152 Resp: 125931
Ion Ratio Lower Upper
152 100
150 146.6 136.9 205.3
115 52.8 32.9 49.3#



#5
2-Fluorophenol
Concen: 140.242 ng
RT: 5.529 min Scan# 415
Delta R.T. 0.008 min
Lab File: BG059974.D
Acq: 6 Dec 2023 17:59

Tgt Ion:112 Resp: 878982
Ion Ratio Lower Upper
112 100
64 53.2 39.4 59.0
63 36.4 31.2 46.8

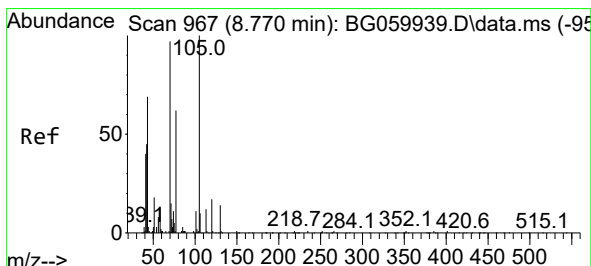
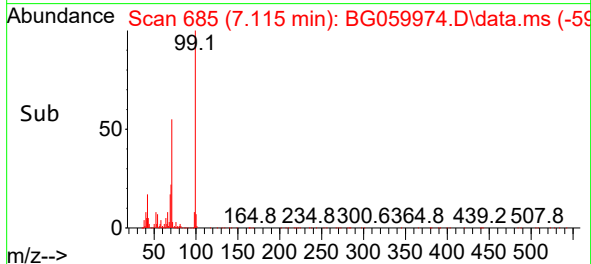
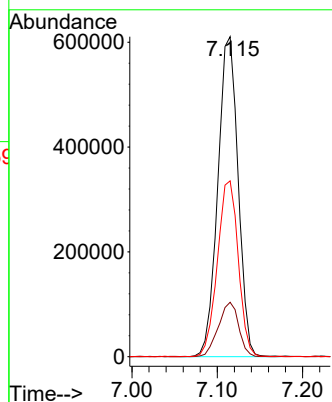
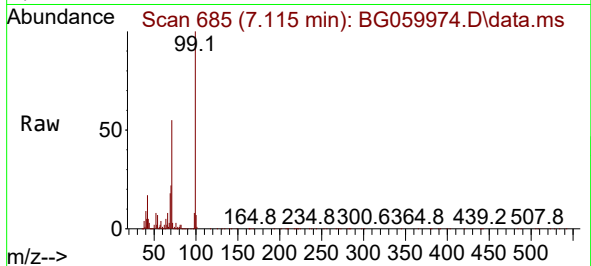




#7
Phenol-d6
Concen: 101.952 ng
RT: 7.115 min Scan# 61
Delta R.T. 0.002 min
Lab File: BG059974.D
Acq: 6 Dec 2023 17:59

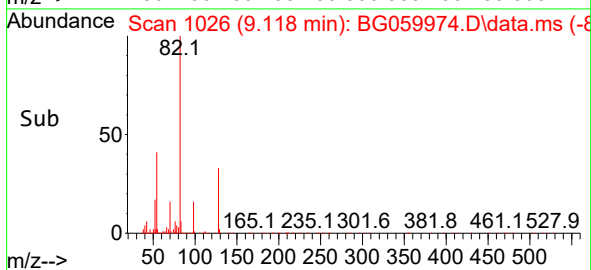
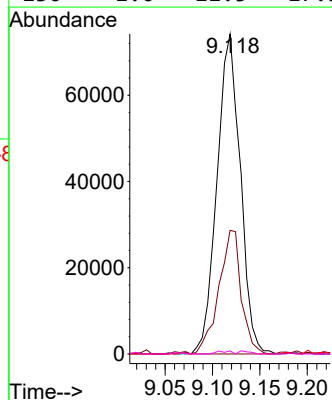
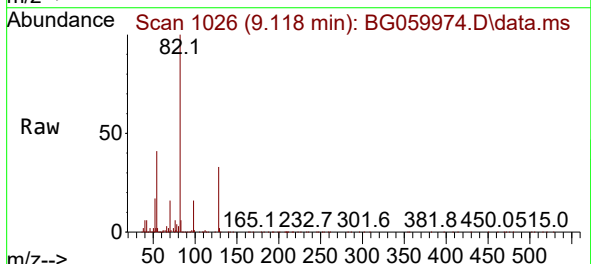
Instrument :
BNA_G
ClientSampleId :
ROUTE-4-TP-6

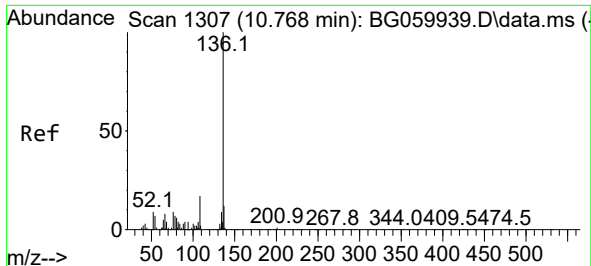
Tgt Ion: 99 Resp: 1007135
Ion Ratio Lower Upper
99 100
42 17.0 20.1 30.1#
71 55.0 53.8 80.6



#19
n-Nitroso-di-n-propylamine
Concen: 17.163 ng
RT: 9.118 min Scan# 1026
Delta R.T. 0.348 min
Lab File: BG059974.D
Acq: 6 Dec 2023 17:59

Tgt Ion: 70 Resp: 127059
Ion Ratio Lower Upper
70 100
42 38.6 38.1 57.1
101 0.0 8.6 13.0#
130 1.0 11.5 17.3#

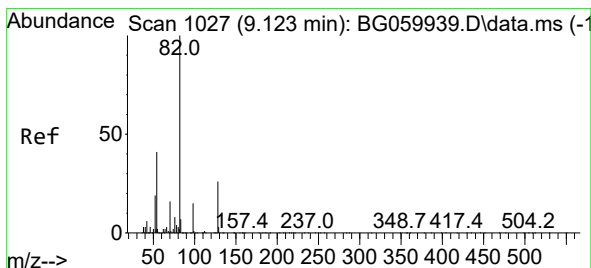
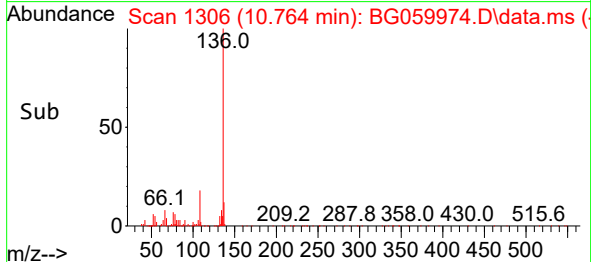
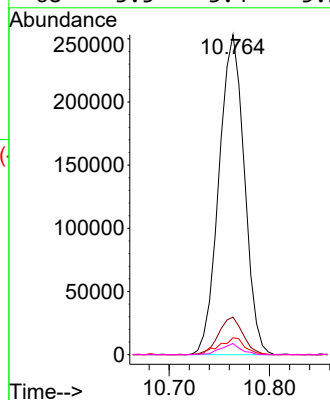
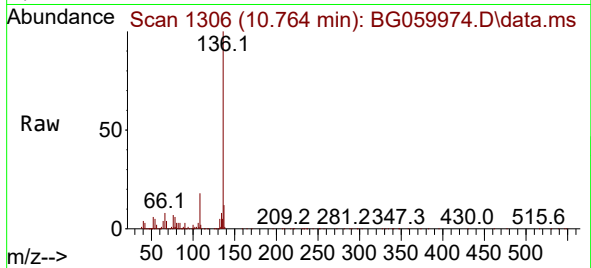




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.764 min Scan# 1306
Delta R.T. -0.004 min
Lab File: BG059974.D
Acq: 6 Dec 2023 17:59

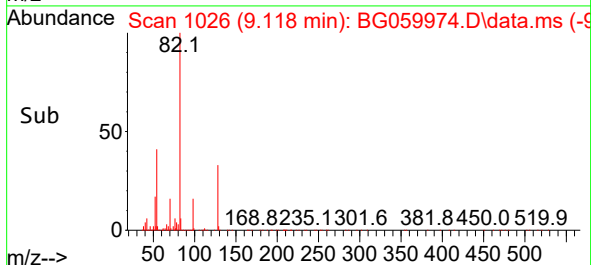
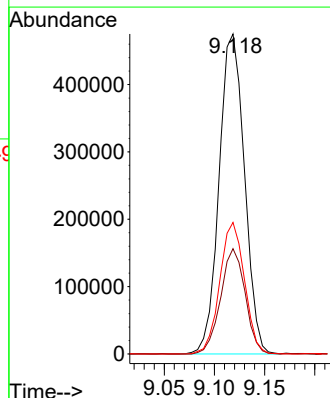
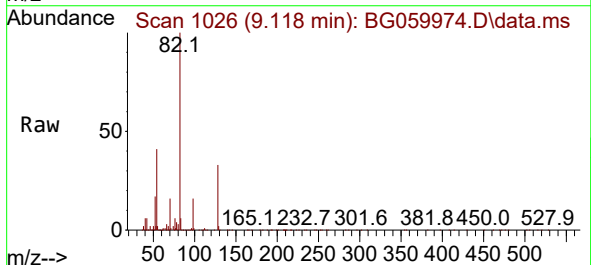
Instrument :
BNA_G
ClientSampleId :
ROUTE-4-TP-6

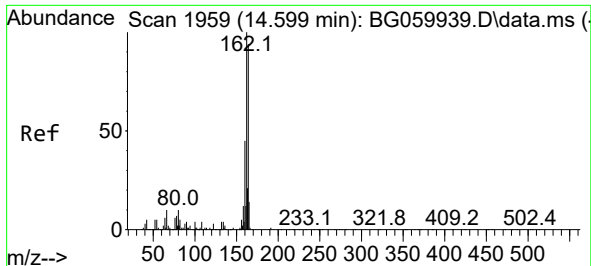
Tgt Ion:	136	Resp:	444340
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.8	14.6
54	5.3	5.8	8.6#
68	3.5	3.4	5.2



#23
Nitrobenzene-d5
Concen: 67.006 ng
RT: 9.118 min Scan# 1026
Delta R.T. -0.004 min
Lab File: BG059974.D
Acq: 6 Dec 2023 17:59

Tgt Ion:	82	Resp:	832901
Ion	Ratio	Lower	Upper
82	100		
128	32.9	21.0	31.6#
54	41.1	32.6	48.8

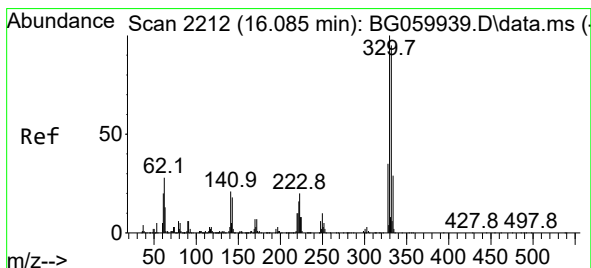
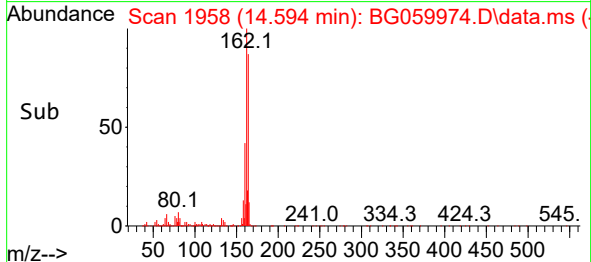
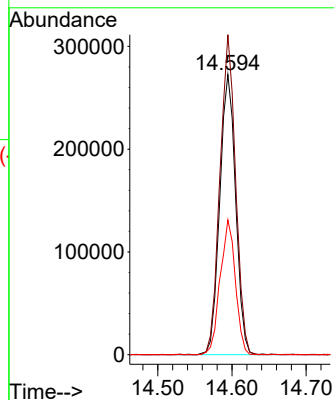
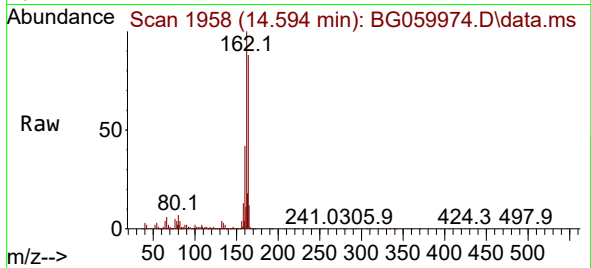




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.594 min Scan# 1958
Delta R.T. -0.004 min
Lab File: BG059974.D
Acq: 6 Dec 2023 17:59

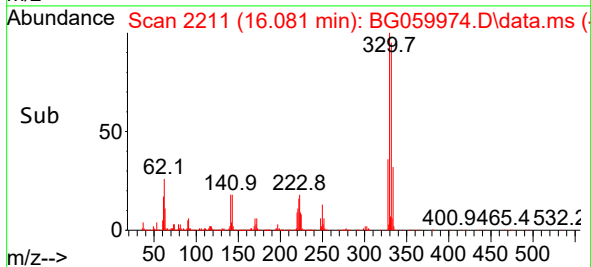
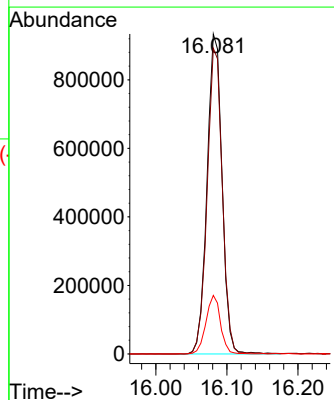
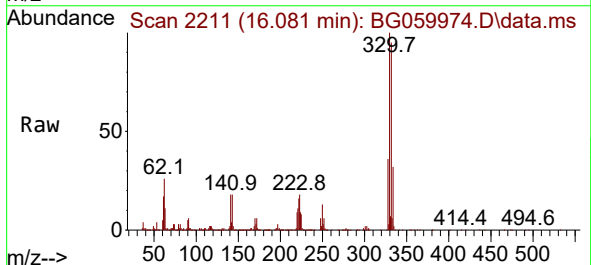
Instrument :
BNA_G
ClientSampleId :
ROUTE-4-TP-6

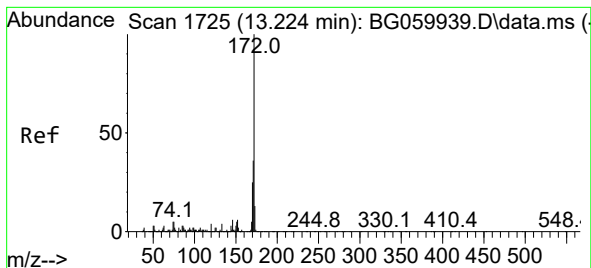
Tgt Ion:164 Resp: 405686
Ion Ratio Lower Upper
164 100
162 114.2 85.0 127.6
160 48.1 38.1 57.1



#42
2,4,6-Tribromophenol
Concen: 105.096 ng
RT: 16.081 min Scan# 2211
Delta R.T. -0.004 min
Lab File: BG059974.D
Acq: 6 Dec 2023 17:59

Tgt Ion:330 Resp: 1371769
Ion Ratio Lower Upper
330 100
332 96.2 76.5 114.7
141 17.8 15.0 22.6





#45

2-Fluorobiphenyl

Concen: 76.419 ng

RT: 13.220 min Scan# 1

Delta R.T. -0.004 min

Lab File: BG059974.D

Acq: 6 Dec 2023 17:59

Instrument :

BNA_G

ClientSampleId :

ROUTE-4-TP-6

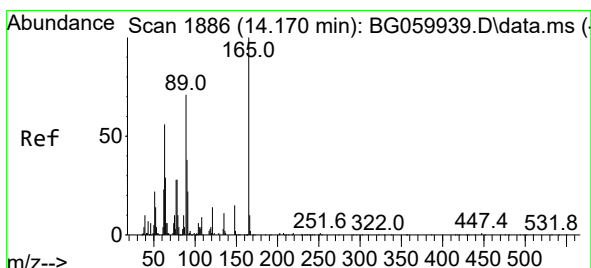
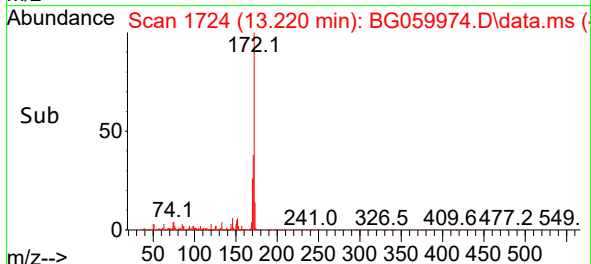
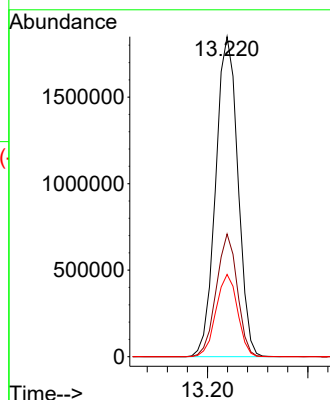
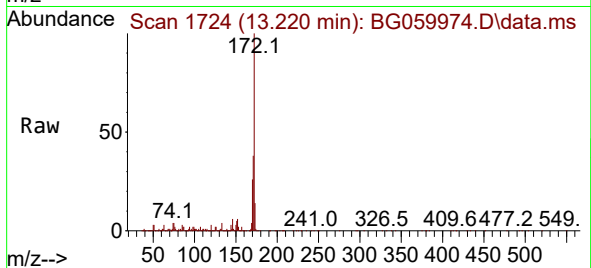
Tgt Ion:172 Resp: 2842426

Ion Ratio Lower Upper

172 100

171 38.4 28.6 43.0

170 25.7 19.8 29.8



#51

2,6-Dinitrotoluene

Concen: 7.265 ng

RT: 14.594 min Scan# 1958

Delta R.T. 0.425 min

Lab File: BG059974.D

Acq: 6 Dec 2023 17:59

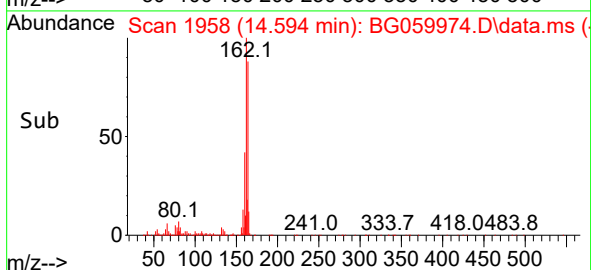
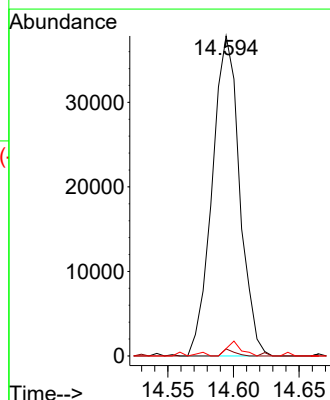
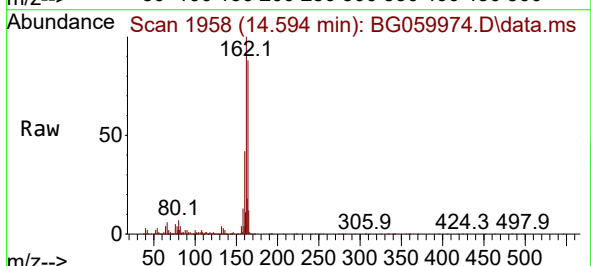
Tgt Ion:165 Resp: 54971

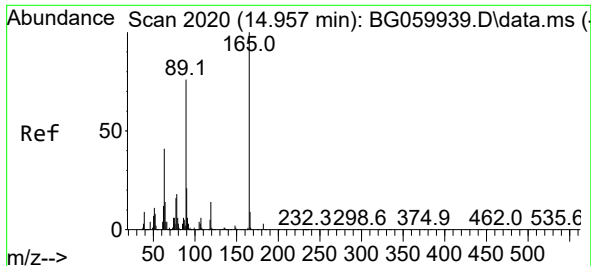
Ion Ratio Lower Upper

165 100

63 2.2 47.2 70.8#

89 2.3 57.1 85.7#





#57

2,4-Dinitrotoluene

Concen: 5.224 ng

RT: 14.594 min Scan# 1958

Delta R.T. -0.363 min

Lab File: BG059974.D

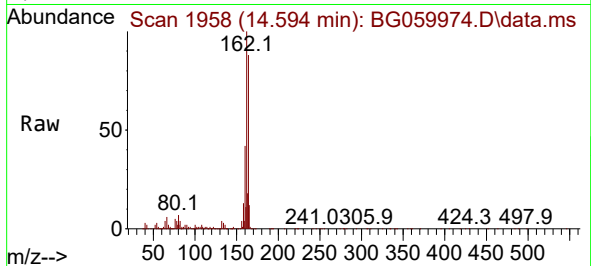
Acq: 6 Dec 2023 17:59

Instrument :

BNA_G

ClientSampleId :

ROUTE-4-TP-6



Tgt Ion:165 Resp: 54971

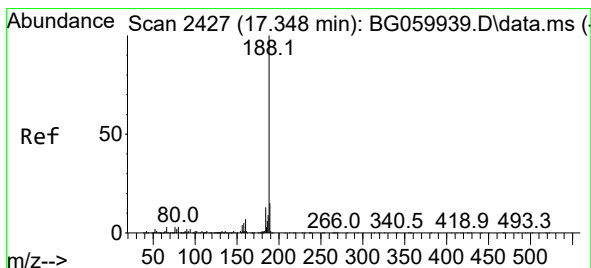
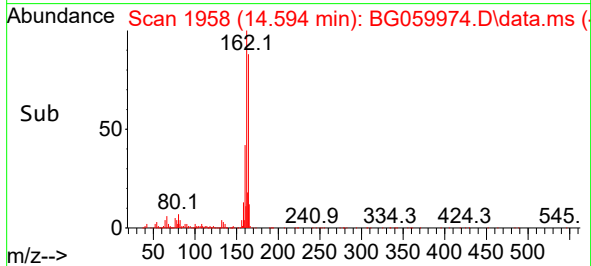
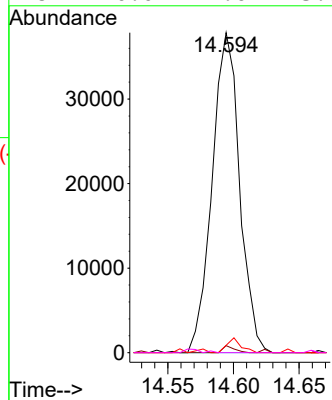
Ion Ratio Lower Upper

165 100

63 2.2 32.8 49.2#

89 2.3 60.6 90.8#

182 0.0 2.6 3.8#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.344 min Scan# 2426

Delta R.T. -0.004 min

Lab File: BG059974.D

Acq: 6 Dec 2023 17:59

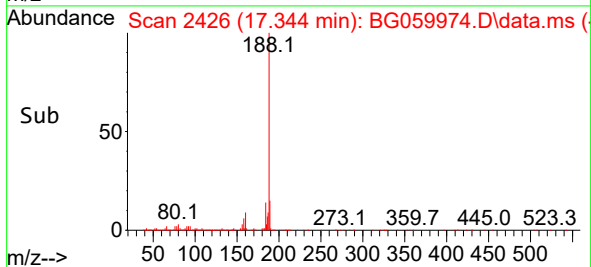
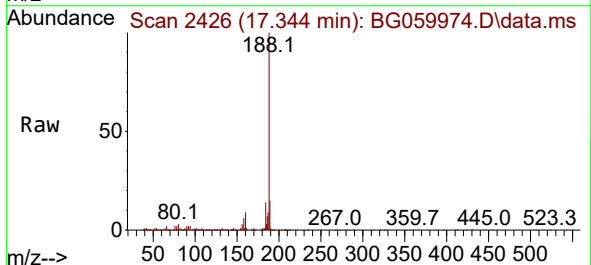
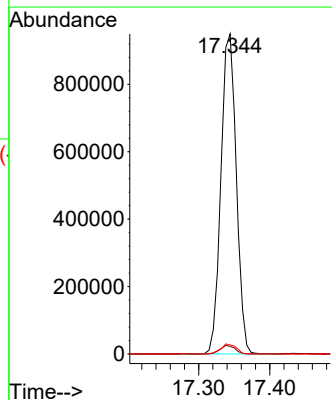
Tgt Ion:188 Resp: 1419602

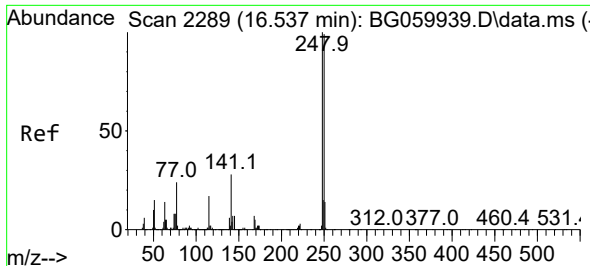
Ion Ratio Lower Upper

188 100

94 2.4 1.8 2.6

80 2.8 2.2 3.4

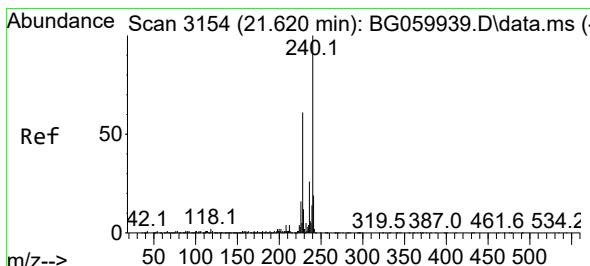
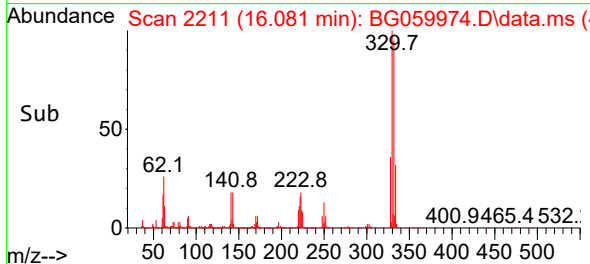
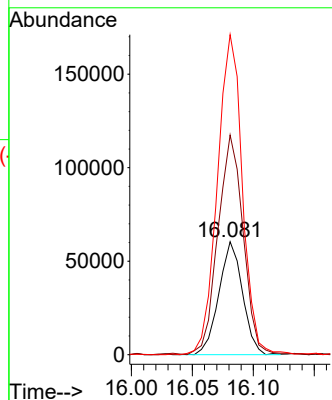
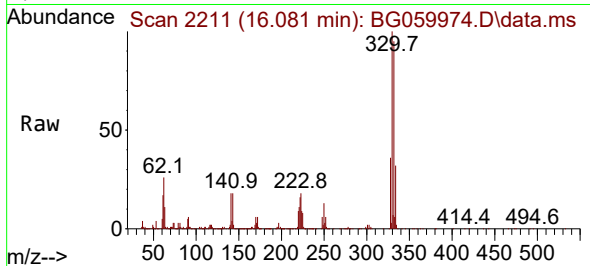




#67
4-Bromophenyl-phenylether
Concen: 3.366 ng
RT: 16.081 min Scan# 211
Delta R.T. -0.457 min
Lab File: BG059974.D
Acq: 6 Dec 2023 17:59

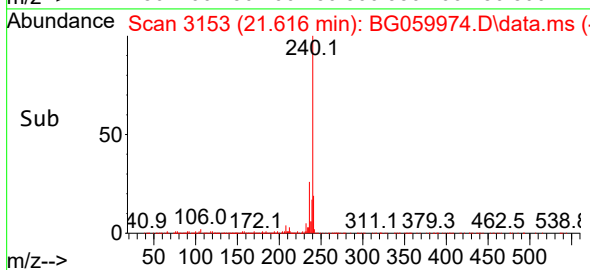
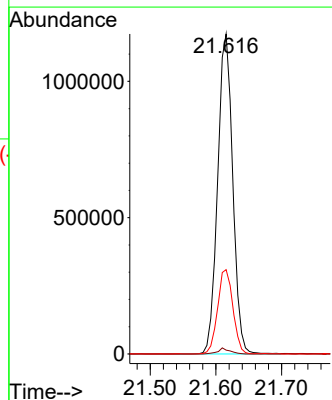
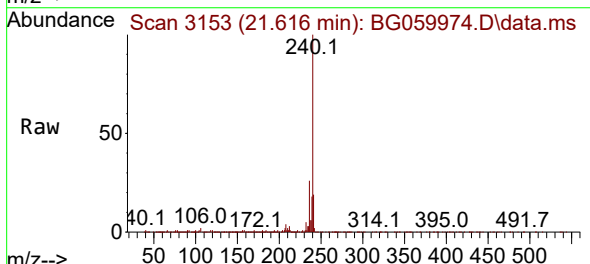
Instrument :
BNA_G
ClientSampleId :
ROUTE-4-TP-6

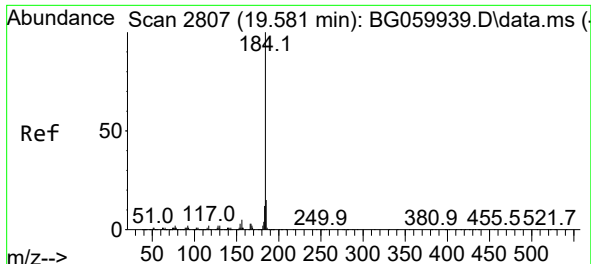
Tgt Ion:248 Resp: 81856
Ion Ratio Lower Upper
248 100
250 194.4 79.0 118.4#
141 283.2 22.3 33.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.616 min Scan# 3153
Delta R.T. -0.004 min
Lab File: BG059974.D
Acq: 6 Dec 2023 17:59

Tgt Ion:240 Resp: 1865411
Ion Ratio Lower Upper
240 100
120 1.2 1.0 1.4
236 26.3 20.8 31.2

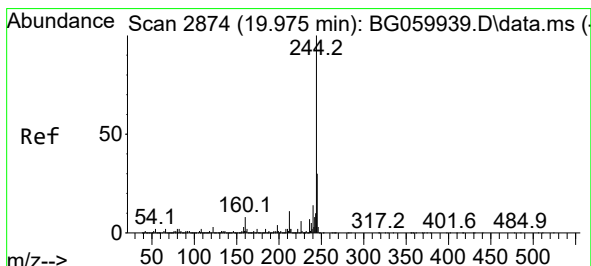
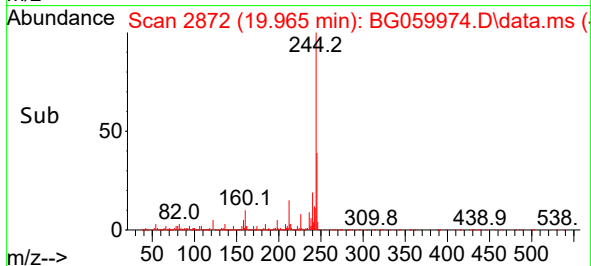
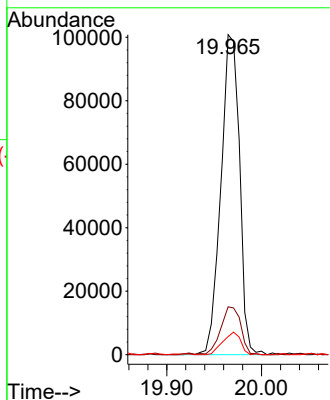
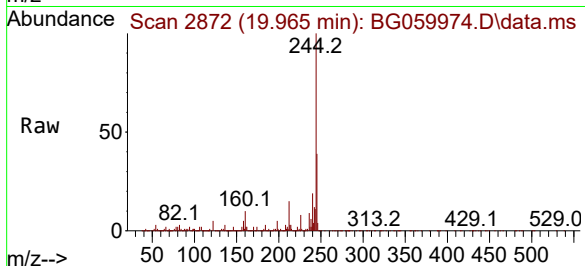




#77
Benzidine
Concen: 8.788 ng
RT: 19.965 min Scan# 2807
Delta R.T. 0.384 min
Lab File: BG059974.D
Acq: 6 Dec 2023 17:59

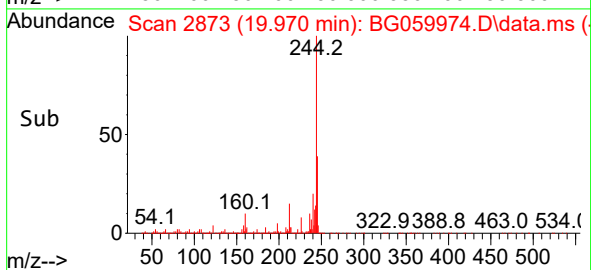
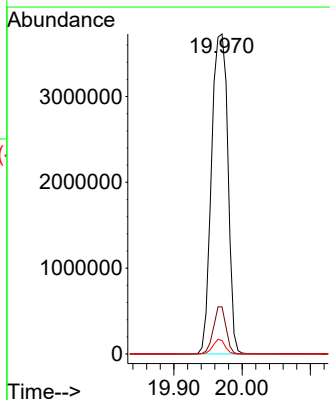
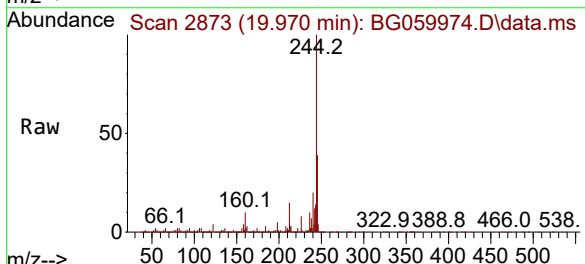
Instrument :
BNA_G
ClientSampleId :
ROUTE-4-TP-6

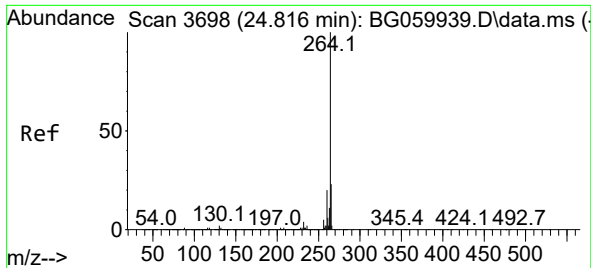
Tgt Ion:184 Resp: 138170
Ion Ratio Lower Upper
184 100
185 14.9 12.0 18.0
183 5.7 9.7 14.5#



#79
Terphenyl-d14
Concen: 57.406 ng
RT: 19.970 min Scan# 2873
Delta R.T. -0.005 min
Lab File: BG059974.D
Acq: 6 Dec 2023 17:59

Tgt Ion:244 Resp: 6211836
Ion Ratio Lower Upper
244 100
212 14.7 8.6 13.0#
122 4.2 2.1 3.1#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.812 min Scan# 30
 Delta R.T. -0.004 min
 Lab File: BG059974.D
 Acq: 6 Dec 2023 17:59

Instrument :
 BNA_G
 ClientSampleId :
 ROUTE-4-TP-6

Tgt Ion:264 Resp: 2202373
 Ion Ratio Lower Upper
 264 100
 260 23.7 15.8 23.6#
 265 21.6 18.1 27.1

