

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120623\
 Data File : BG059972.D
 Acq On : 6 Dec 2023 16:39
 Operator : MA/JU
 Sample : 05602-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Dec 06 23:16:48 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)

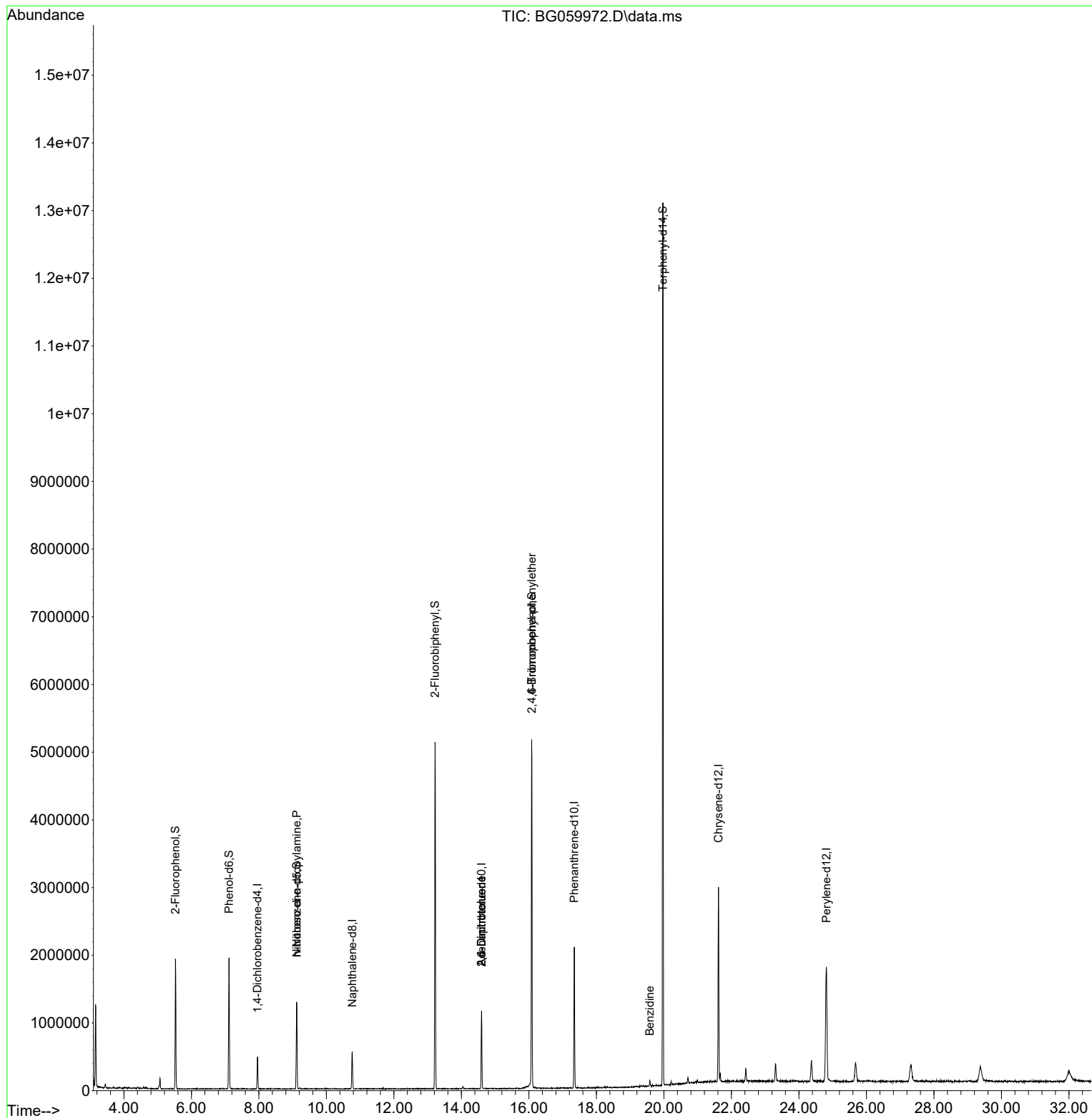
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.955	152	127761	20.000	ng	# 0.00
21) Naphthalene-d8	10.763	136	426153	20.000	ng	# 0.00
39) Acenaphthene-d10	14.594	164	415241	20.000	ng	0.00
64) Phenanthrene-d10	17.344	188	1435893	20.000	ng	# 0.00
76) Chrysene-d12	21.615	240	1882405	20.000	ng	0.00
86) Perylene-d12	24.812	264	2286143	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	737782	116.027	ng	0.00
7) Phenol-d6	7.115	99	947571	94.548	ng	0.00
23) Nitrobenzene-d5	9.118	82	788937	66.178	ng	0.00
42) 2,4,6-Tribromophenol	16.087	330	1284695	96.160	ng	0.00
45) 2-Fluorobiphenyl	13.219	172	2734482	71.825	ng	0.00
79) Terphenyl-d14	19.970	244	6233700	57.088	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.118	70	118835	15.822	ng	# 81
51) 2,6-Dinitrotoluene	14.594	165	51075	6.595	ng	# 19
57) 2,4-Dinitrotoluene	14.594	165	51075	4.742	ng	# 24
67) 4-Bromophenyl-phenylether	16.081	248	78468	3.190	ng	# 1
77) Benzidine	19.582	184	51573	3.251	ng	# 94

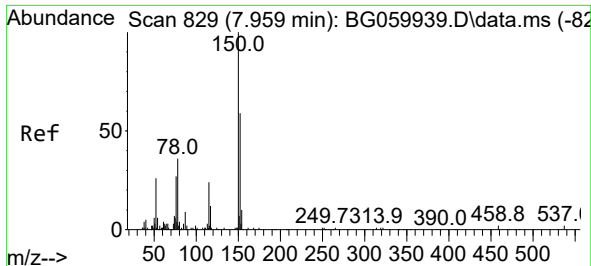
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120623\
Data File : BG059972.D
Acq On : 6 Dec 2023 16:39
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Misc :
ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Dec 06 23:16:48 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

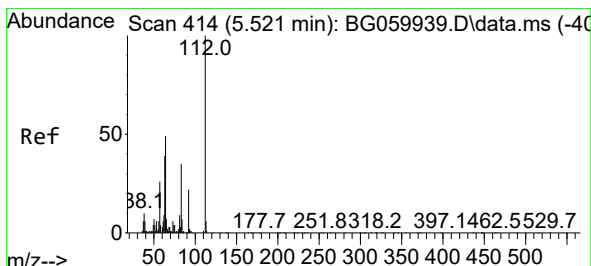
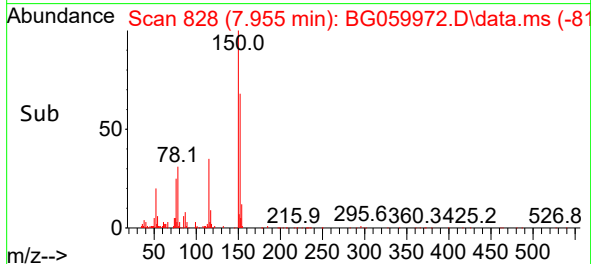
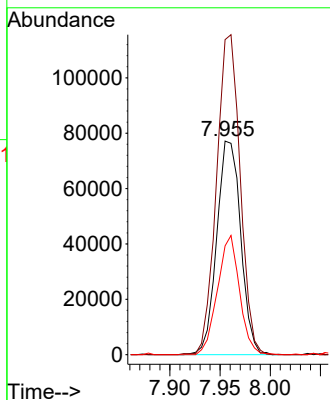
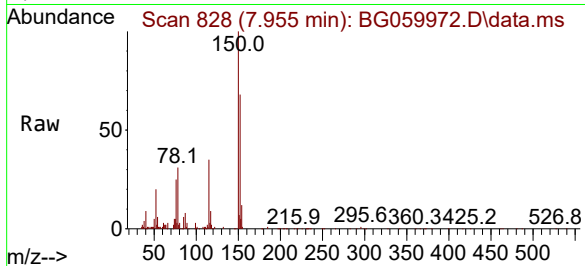




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.955 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG059972.D
Acq: 6 Dec 2023 16:39

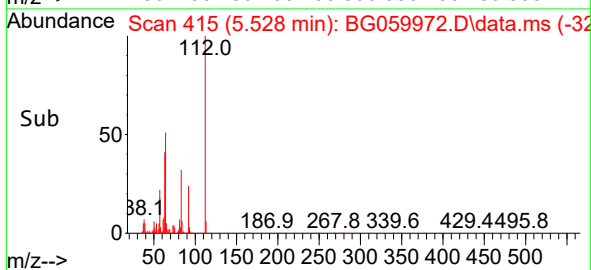
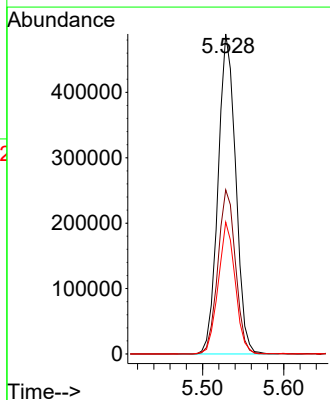
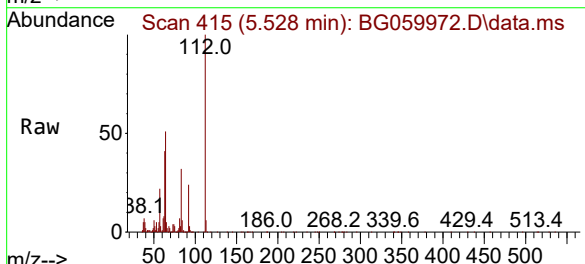
Instrument :
BNA_G
ClientSampleId :
ROUTE-4-TP-4

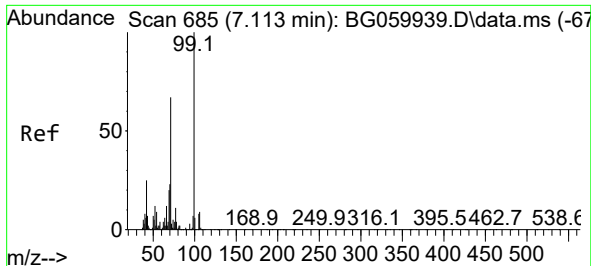
Tgt Ion:152 Resp: 127761
Ion Ratio Lower Upper
152 100
150 147.5 136.9 205.3
115 50.9 32.9 49.3#



#5
2-Fluorophenol
Concen: 116.027 ng
RT: 5.528 min Scan# 415
Delta R.T. 0.007 min
Lab File: BG059972.D
Acq: 6 Dec 2023 16:39

Tgt Ion:112 Resp: 737782
Ion Ratio Lower Upper
112 100
64 51.3 39.4 59.0
63 41.2 31.2 46.8

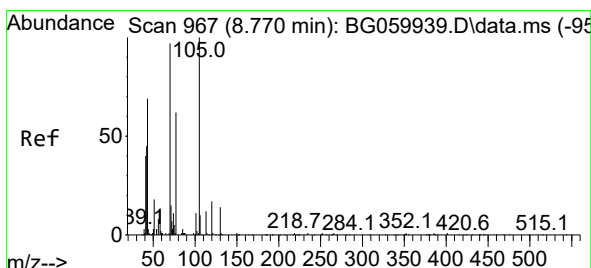
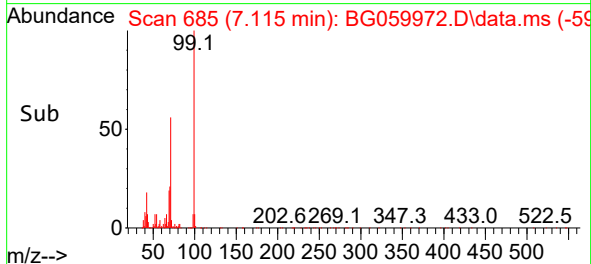
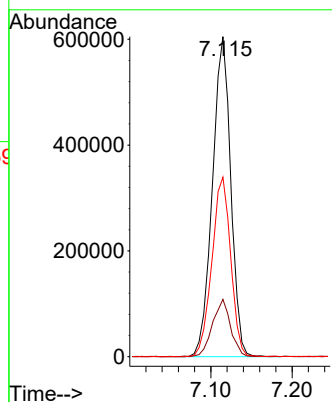
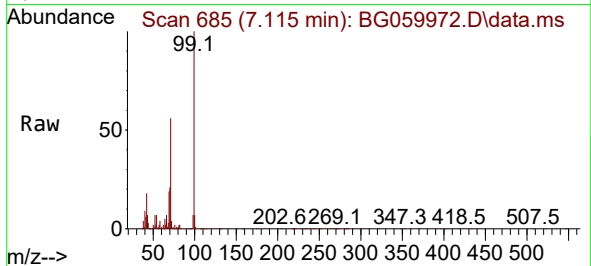




#7
Phenol-d6
Concen: 94.548 ng
RT: 7.115 min Scan# 61
Delta R.T. 0.002 min
Lab File: BG059972.D
Acq: 6 Dec 2023 16:39

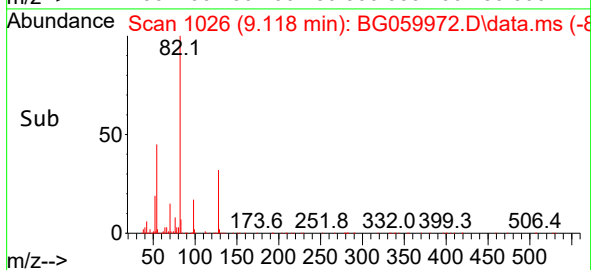
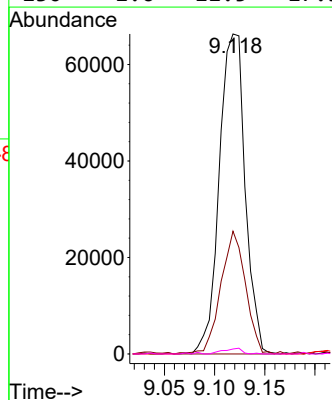
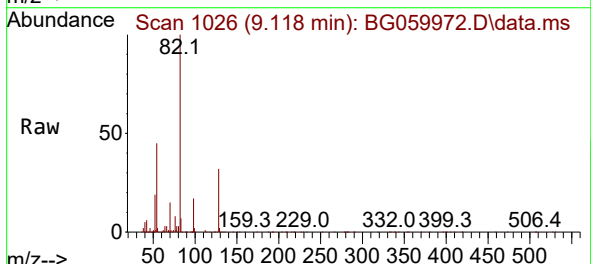
Instrument :
BNA_G
ClientSampleId :
ROUTE-4-TP-4

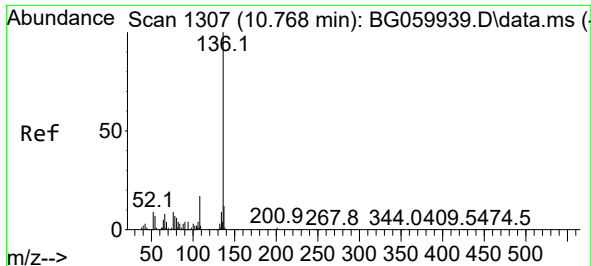
Tgt Ion: 99 Resp: 947571
Ion Ratio Lower Upper
99 100
42 17.9 20.1 30.1#
71 56.1 53.8 80.6



#19
n-Nitroso-di-n-propylamine
Concen: 15.822 ng
RT: 9.118 min Scan# 1026
Delta R.T. 0.348 min
Lab File: BG059972.D
Acq: 6 Dec 2023 16:39

Tgt Ion: 70 Resp: 118835
Ion Ratio Lower Upper
70 100
42 38.4 38.1 57.1
101 0.0 8.6 13.0#
130 1.6 11.5 17.3#

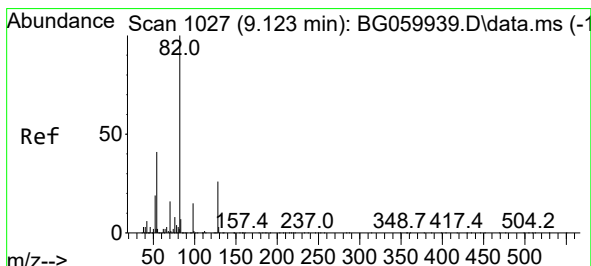
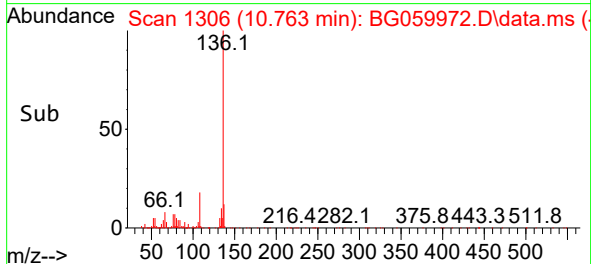
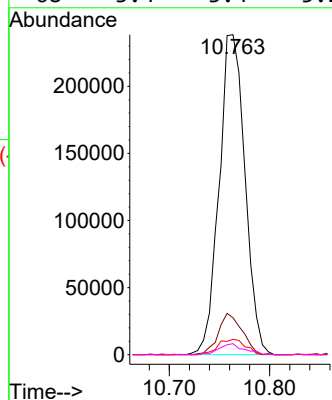
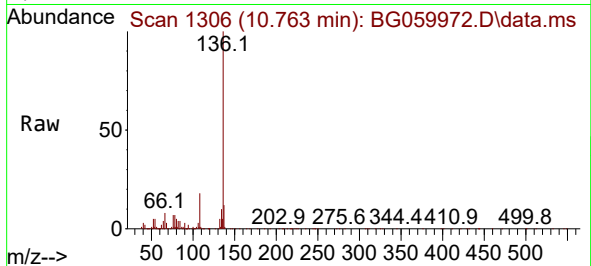




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.763 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG059972.D
Acq: 6 Dec 2023 16:39

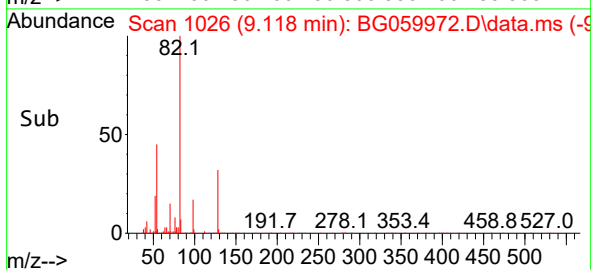
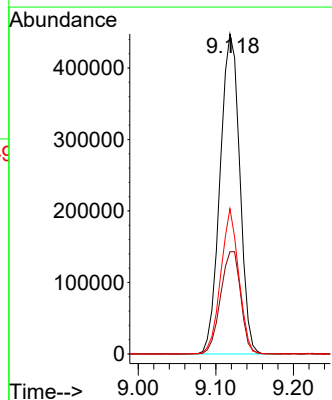
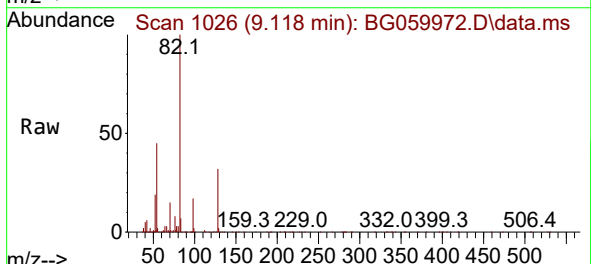
Instrument :
BNA_G
ClientSampleId :
ROUTE-4-TP-4

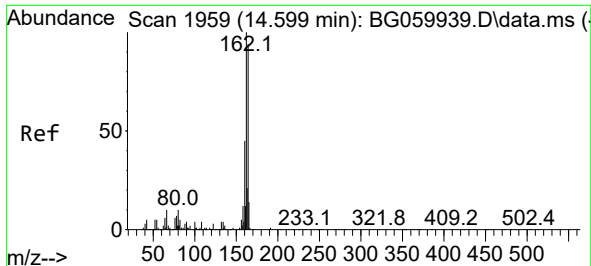
Tgt Ion:	136	Resp:	426153
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.8	14.6
54	4.8	5.8	8.6#
68	3.4	3.4	5.2#



#23
Nitrobenzene-d5
Concen: 66.178 ng
RT: 9.118 min Scan# 1026
Delta R.T. -0.004 min
Lab File: BG059972.D
Acq: 6 Dec 2023 16:39

Tgt Ion:	82	Resp:	788937
Ion	Ratio	Lower	Upper
82	100		
128	32.0	21.0	31.6#
54	45.4	32.6	48.8

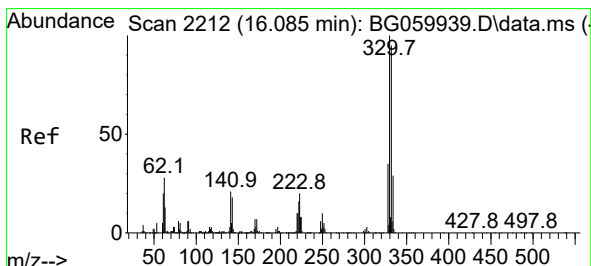
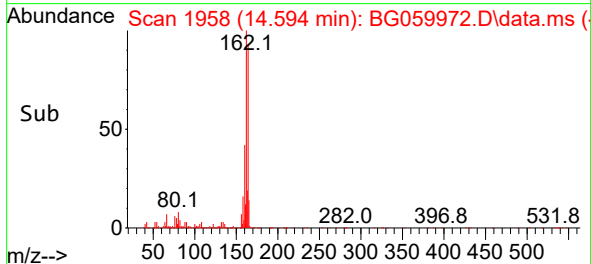
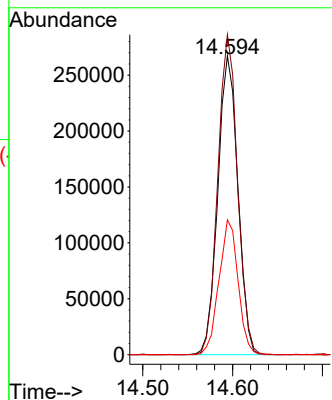
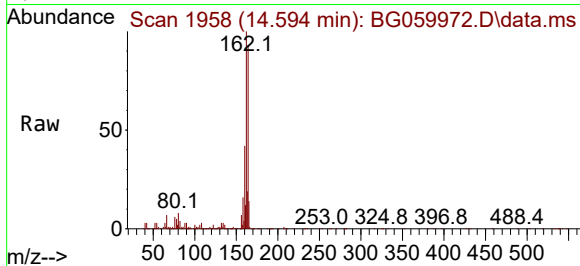




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.594 min Scan# 1959
Delta R.T. -0.004 min
Lab File: BG059972.D
Acq: 6 Dec 2023 16:39

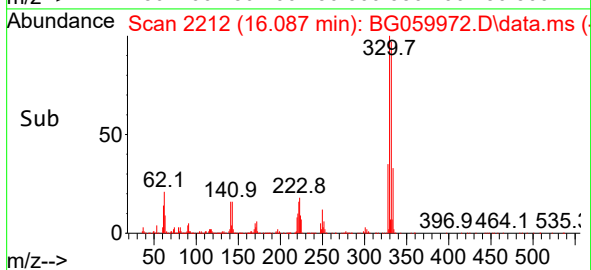
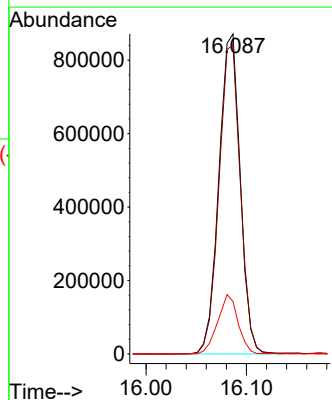
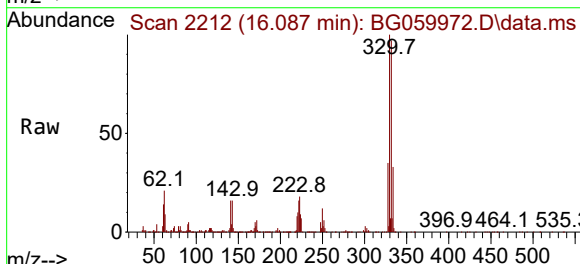
Instrument :
BNA_G
ClientSampleId :
ROUTE-4-TP-4

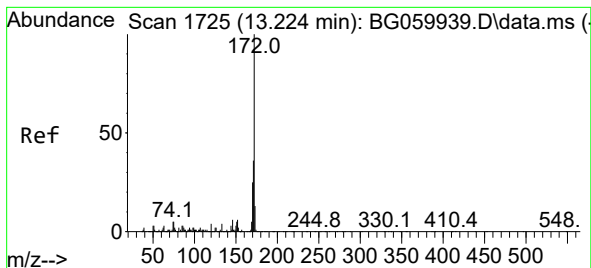
Tgt Ion:164 Resp: 415241
Ion Ratio Lower Upper
164 100
162 107.0 85.0 127.6
160 45.1 38.1 57.1



#42
2,4,6-Tribromophenol
Concen: 96.160 ng
RT: 16.087 min Scan# 2212
Delta R.T. 0.002 min
Lab File: BG059972.D
Acq: 6 Dec 2023 16:39

Tgt Ion:330 Resp: 1284695
Ion Ratio Lower Upper
330 100
332 96.9 76.5 114.7
141 17.9 15.0 22.6





#45

2-Fluorobiphenyl

Concen: 71.825 ng

RT: 13.219 min Scan# 1

Delta R.T. -0.004 min

Lab File: BG059972.D

Acq: 6 Dec 2023 16:39

Instrument :

BNA_G

ClientSampleId :

ROUTE-4-TP-4

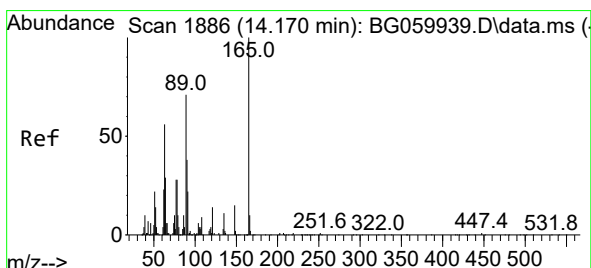
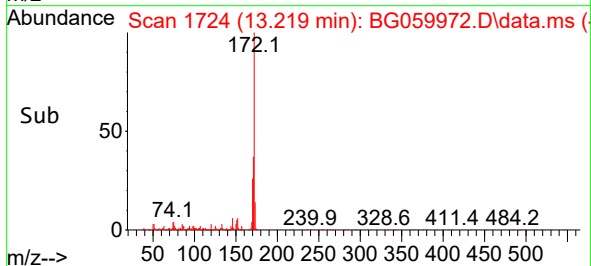
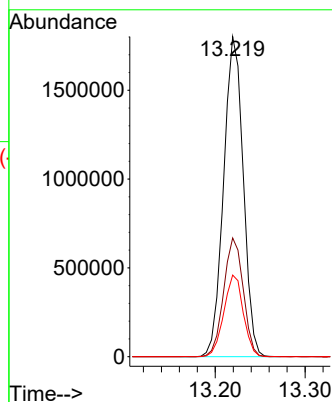
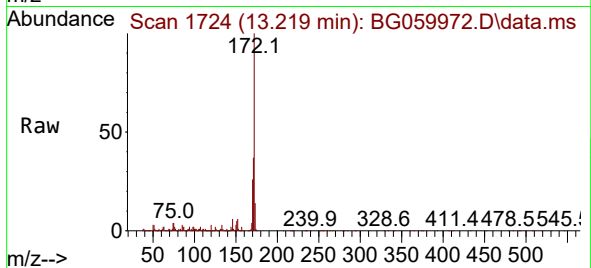
Tgt Ion:172 Resp: 2734482

Ion Ratio Lower Upper

172 100

171 37.1 28.6 43.0

170 25.5 19.8 29.8



#51

2,6-Dinitrotoluene

Concen: 6.595 ng

RT: 14.594 min Scan# 1958

Delta R.T. 0.425 min

Lab File: BG059972.D

Acq: 6 Dec 2023 16:39

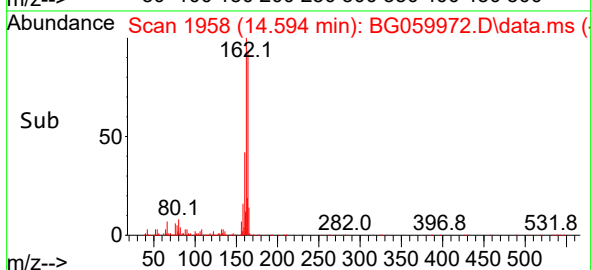
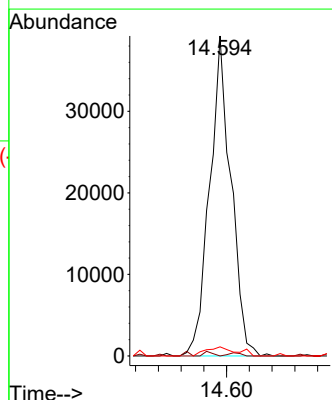
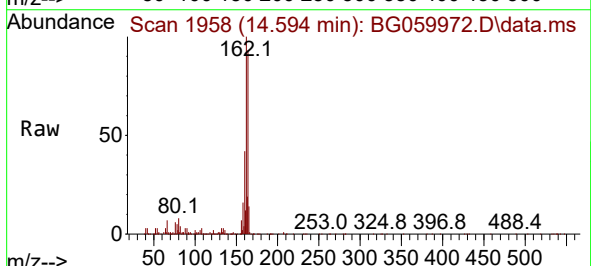
Tgt Ion:165 Resp: 51075

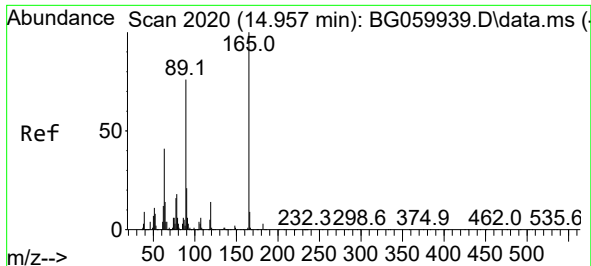
Ion Ratio Lower Upper

165 100

63 0.0 47.2 70.8#

89 2.8 57.1 85.7#





#57

2,4-Dinitrotoluene

Concen: 4.742 ng

RT: 14.594 min Scan# 1958

Delta R.T. -0.363 min

Lab File: BG059972.D

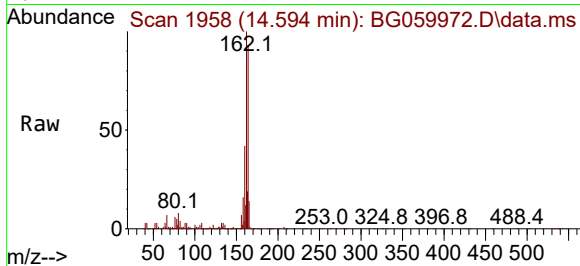
Acq: 6 Dec 2023 16:39

Instrument :

BNA_G

ClientSampleId :

ROUTE-4-TP-4



Tgt Ion:165 Resp: 51075

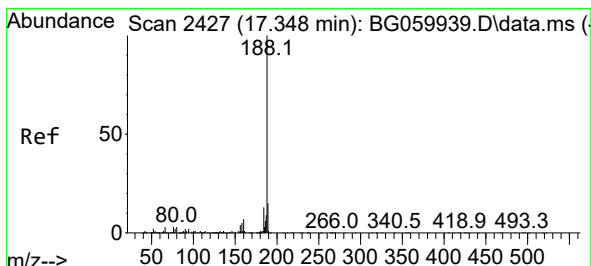
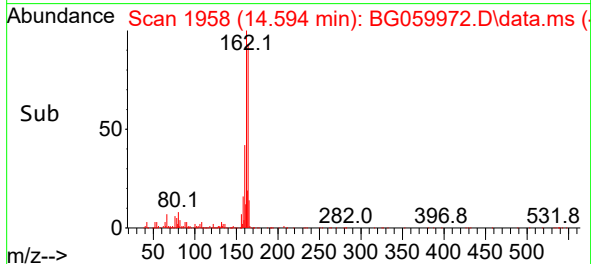
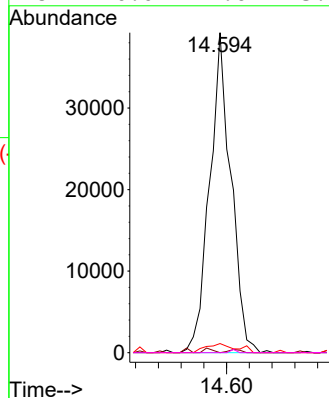
Ion Ratio Lower Upper

165 100

63 0.0 32.8 49.2#

89 2.8 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: BG059972.D

Acq: 6 Dec 2023 16:39

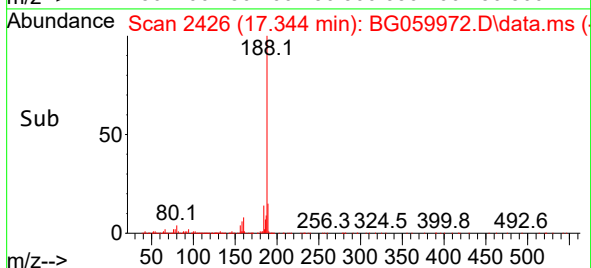
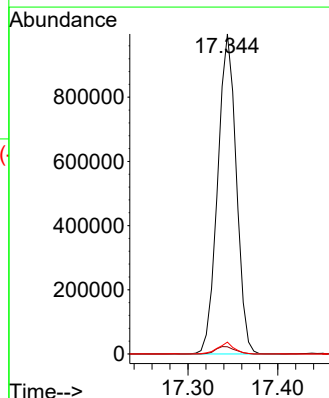
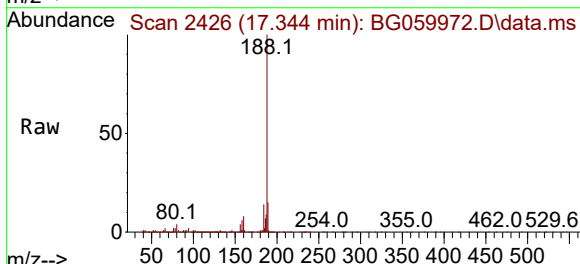
Tgt Ion:188 Resp: 1435893

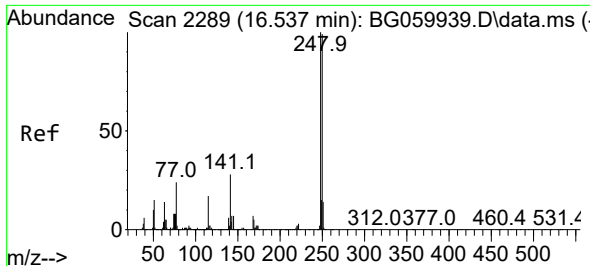
Ion Ratio Lower Upper

188 100

94 2.2 1.8 2.6

80 3.7 2.2 3.4#

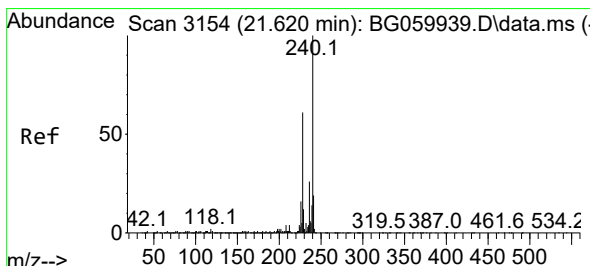
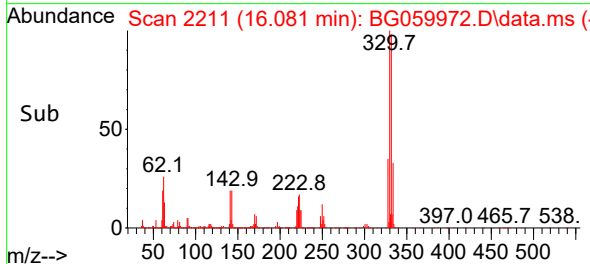
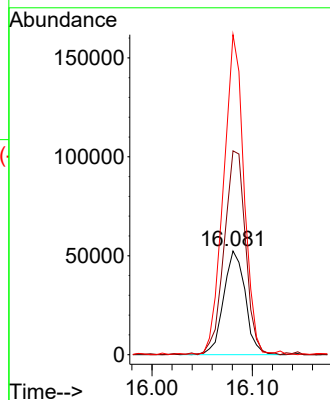
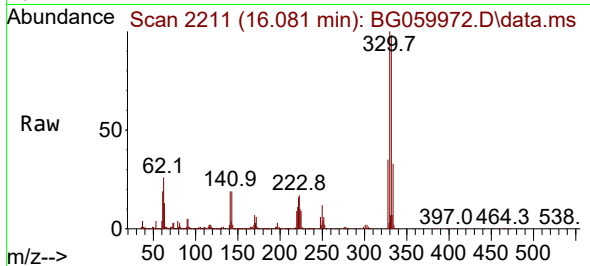




#67
4-Bromophenyl-phenylether
Concen: 3.190 ng
RT: 16.081 min Scan# 211
Delta R.T. -0.457 min
Lab File: BG059972.D
Acq: 6 Dec 2023 16:39

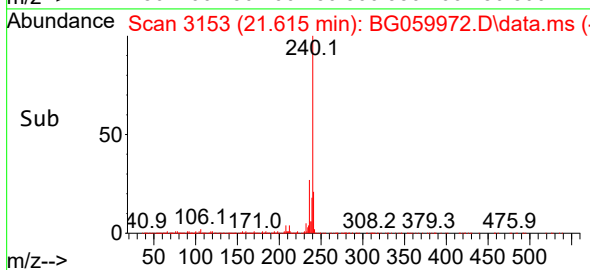
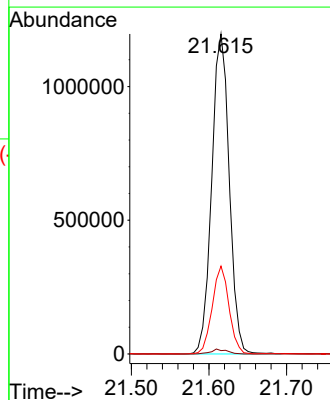
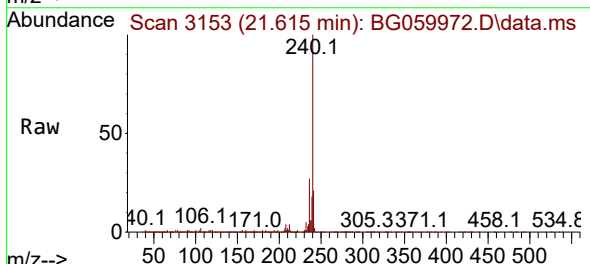
Instrument :
BNA_G
ClientSampleId :
ROUTE-4-TP-4

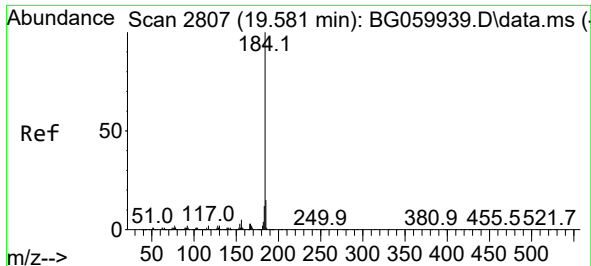
Tgt Ion:248 Resp: 78468
Ion Ratio Lower Upper
248 100
250 196.5 79.0 118.4#
141 308.5 22.3 33.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.615 min Scan# 3153
Delta R.T. -0.004 min
Lab File: BG059972.D
Acq: 6 Dec 2023 16:39

Tgt Ion:240 Resp: 1882405
Ion Ratio Lower Upper
240 100
120 1.1 1.0 1.4
236 27.4 20.8 31.2

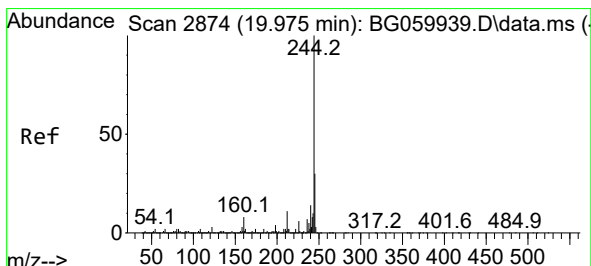
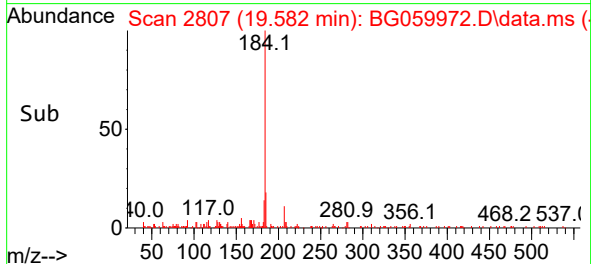
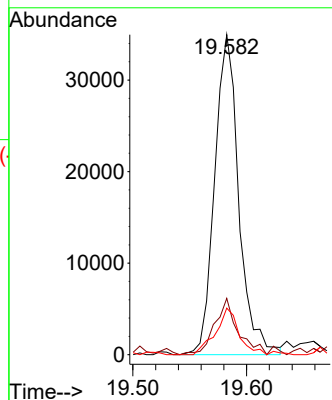
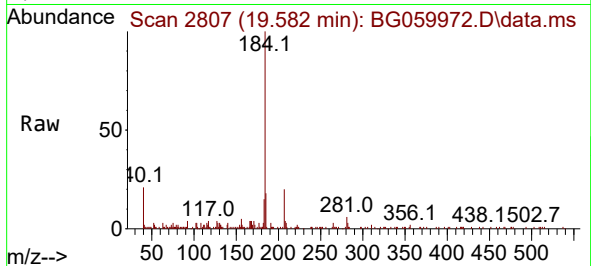




#77
Benzidine
Concen: 3.251 ng
RT: 19.582 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG059972.D
Acq: 6 Dec 2023 16:39

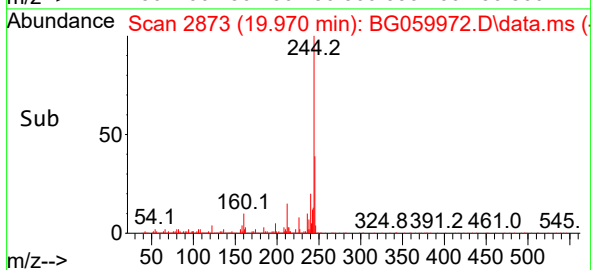
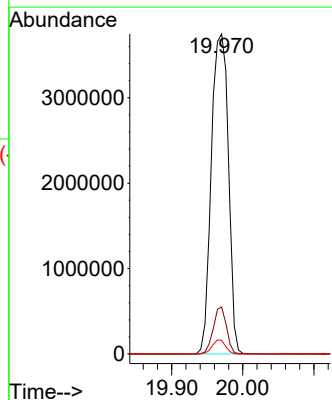
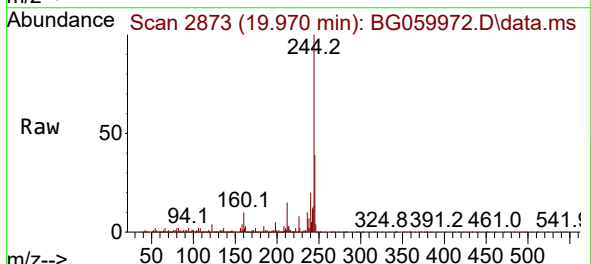
Instrument :
BNA_G
ClientSampleId :
ROUTE-4-TP-4

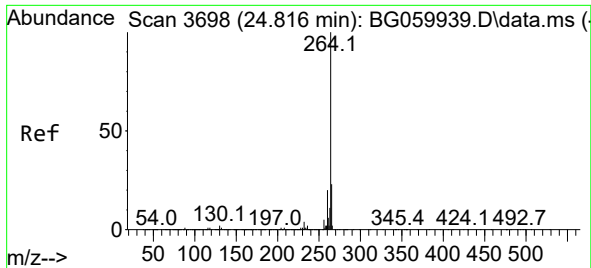
Tgt Ion:184 Resp: 51573
Ion Ratio Lower Upper
184 100
185 17.6 12.0 18.0
183 14.6 9.7 14.5#



#79
Terphenyl-d14
Concen: 57.088 ng
RT: 19.970 min Scan# 2873
Delta R.T. -0.005 min
Lab File: BG059972.D
Acq: 6 Dec 2023 16:39

Tgt Ion:244 Resp: 6233700
Ion Ratio Lower Upper
244 100
212 14.7 8.6 13.0#
122 4.3 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: BG059972.D
 Acq: 6 Dec 2023 16:39

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

Tgt Ion:264 Resp: 2286143

Ion	Ratio	Lower	Upper
264	100		
260	23.6	15.8	23.6
265	22.3	18.1	27.1

