

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120623\
 Data File : BG059973.D
 Acq On : 6 Dec 2023 17:19
 Operator : MA/JU
 Sample : 05602-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ROUTE-4-TP-5

Quant Time: Dec 06 23:17:04 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)

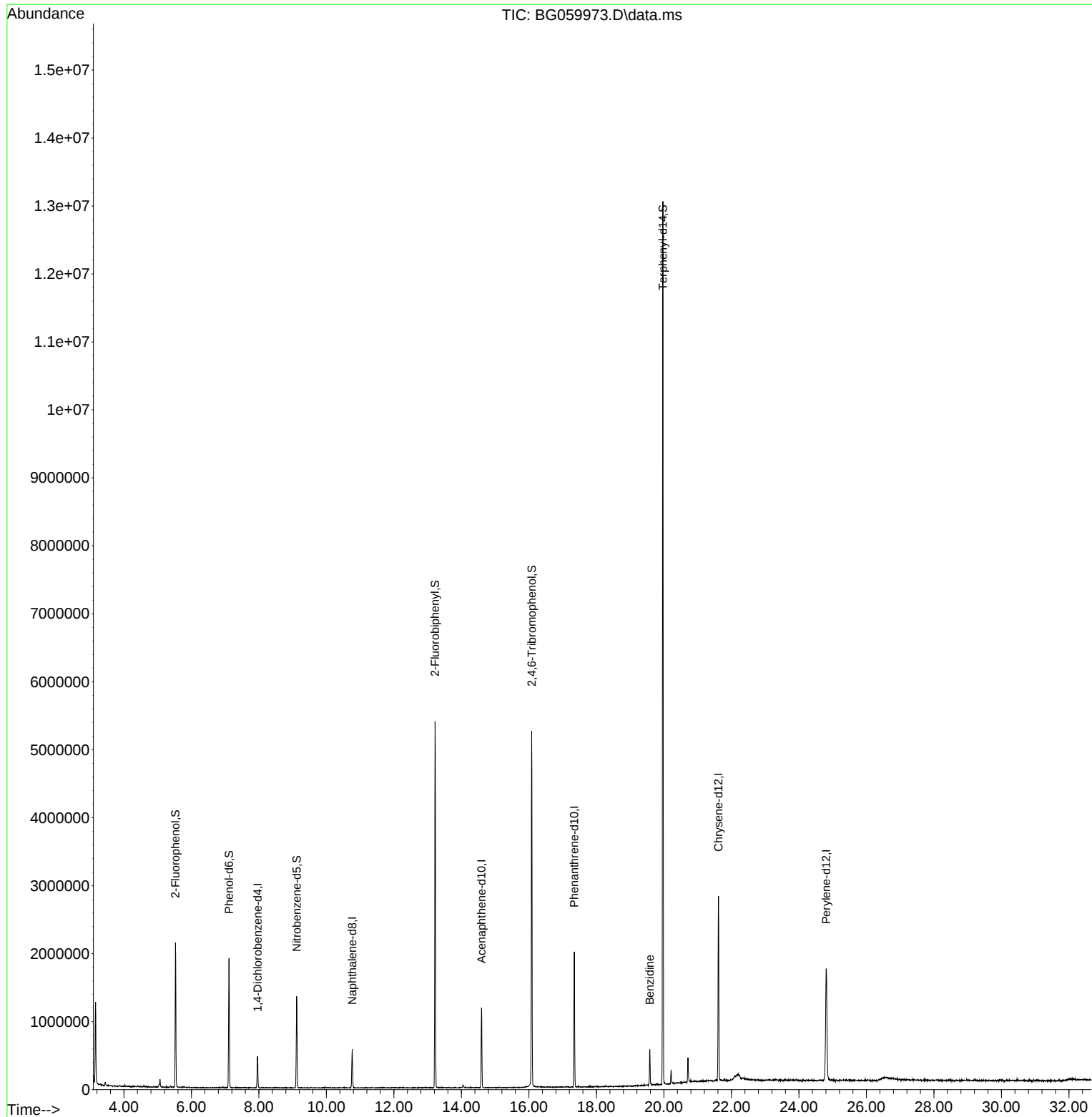
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.961	152	128143	20.000	ng	0.00
21) Naphthalene-d8	10.763	136	437490	20.000	ng	# 0.00
39) Acenaphthene-d10	14.594	164	405732	20.000	ng	0.00
64) Phenanthrene-d10	17.344	188	1415041	20.000	ng	0.00
76) Chrysene-d12	21.615	240	1830940	20.000	ng	0.00
86) Perylene-d12	24.806	264	2186393	20.000	ng	#-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	833380	130.671	ng	0.00
7) Phenol-d6	7.115	99	982495	97.740	ng	0.00
23) Nitrobenzene-d5	9.118	82	806894	65.931	ng	0.00
42) 2,4,6-Tribromophenol	16.081	330	1298068	99.438	ng	0.00
45) 2-Fluorobiphenyl	13.219	172	2845229	76.485	ng	0.00
79) Terphenyl-d14	19.970	244	6211668	58.485	ng	0.00
Target Compounds						
77) Benzidine	19.582	184	387677	25.123	ng	Qvalue 98

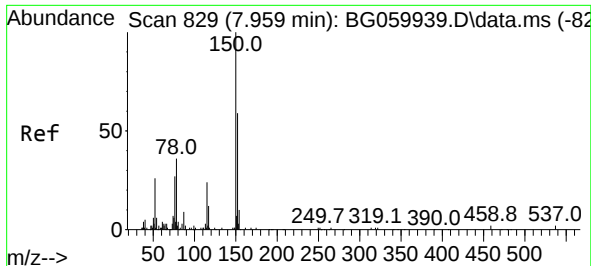
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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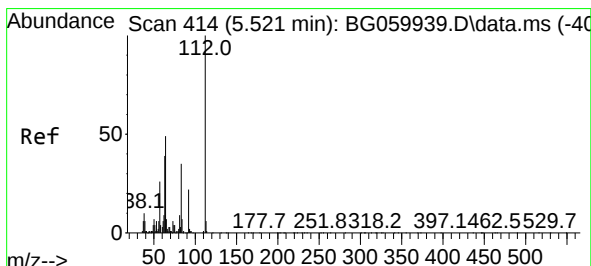
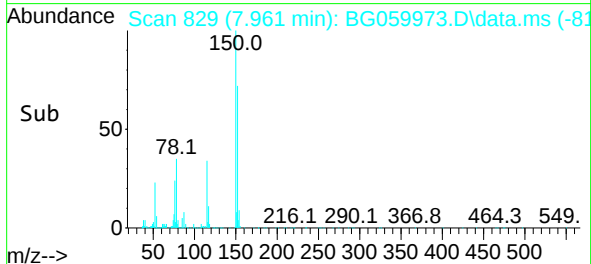
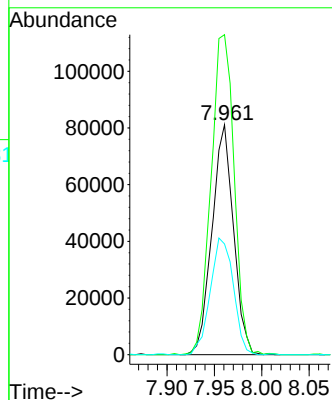
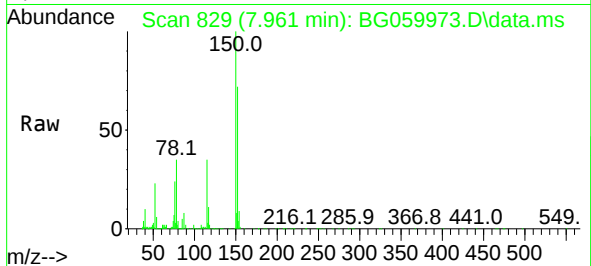




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.961 min Scan# 81
Delta R.T. 0.002 min
Lab File: BG059973.D
Acq: 6 Dec 2023 17:19

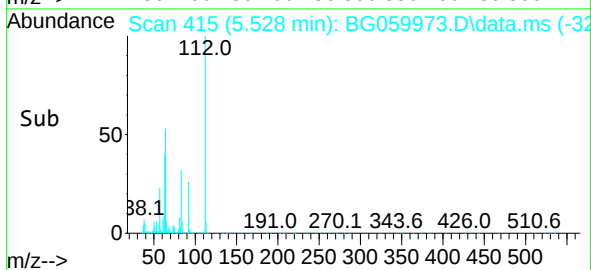
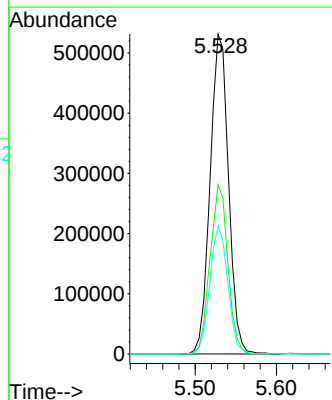
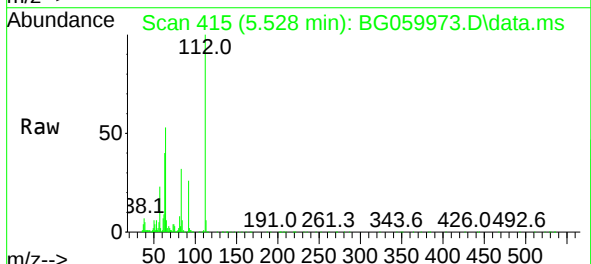
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BNA_G
ClientSampleId :
ROUTE-4-TP-5

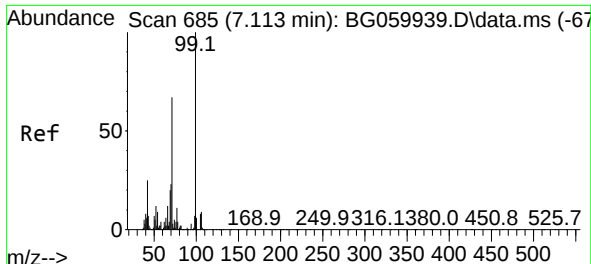
Tgt Ion:152 Resp: 128143
Ion Ratio Lower Upper
152 100
150 139.1 136.9 205.3
115 48.1 32.9 49.3



#5
2-Fluorophenol
Concen: 130.671 ng
RT: 5.528 min Scan# 415
Delta R.T. 0.007 min
Lab File: BG059973.D
Acq: 6 Dec 2023 17:19

Tgt Ion:112 Resp: 833380
Ion Ratio Lower Upper
112 100
64 52.9 39.4 59.0
63 39.9 31.2 46.8

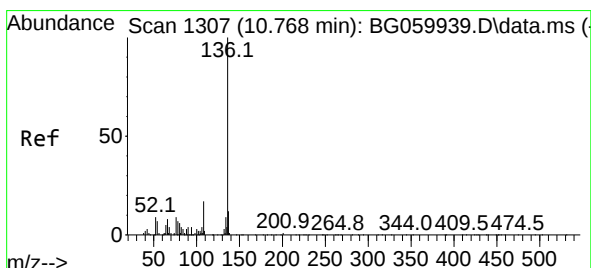
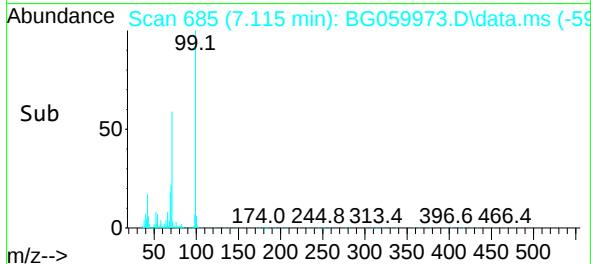
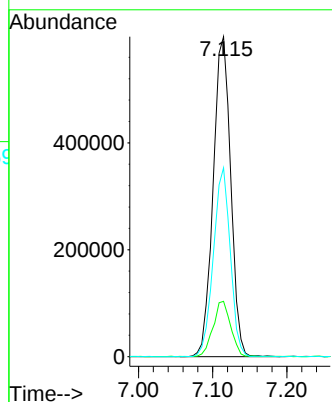
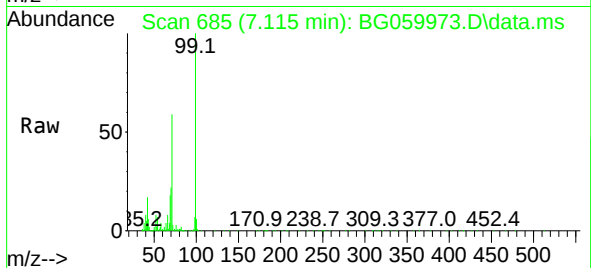




#7
Phenol-d6
Concen: 97.740 ng
RT: 7.115 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG059973.D
Acq: 6 Dec 2023 17:19

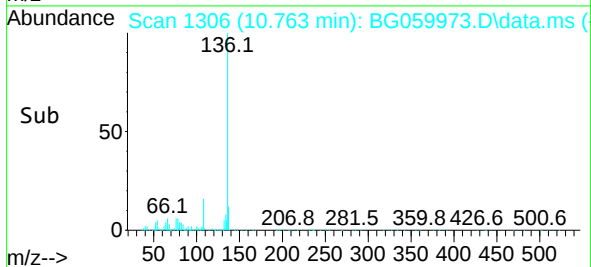
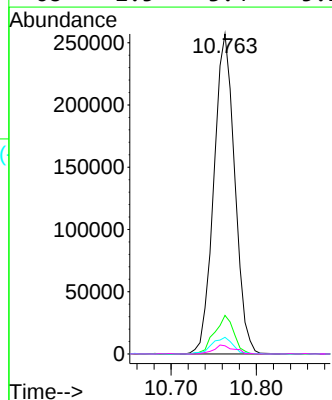
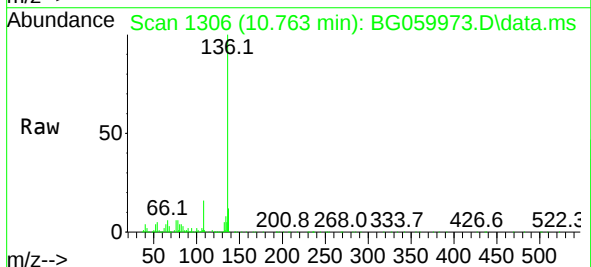
Instrument :
BNA_G
ClientSampleId :
ROUTE-4-TP-5

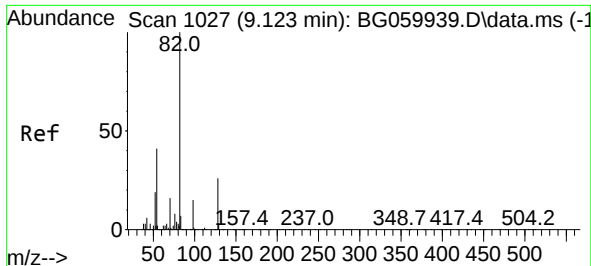
Tgt Ion: 99 Resp: 982495
Ion Ratio Lower Upper
99 100
42 17.3 20.1 30.1#
71 59.0 53.8 80.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.763 min Scan# 1306
Delta R.T. -0.005 min
Lab File: BG059973.D
Acq: 6 Dec 2023 17:19

Tgt Ion:136 Resp: 437490
Ion Ratio Lower Upper
136 100
137 12.1 9.8 14.6
54 5.2 5.8 8.6#
68 2.5 3.4 5.2#

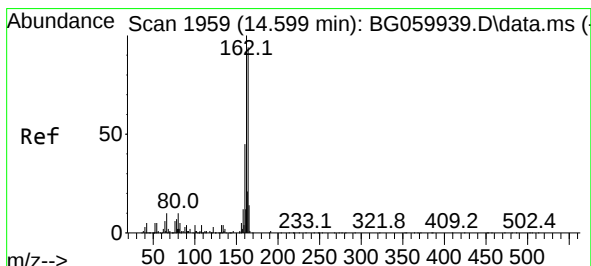
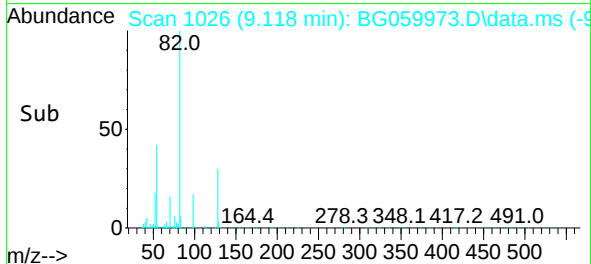
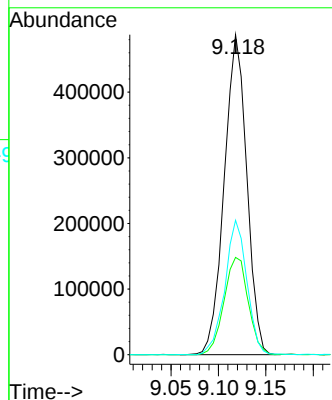
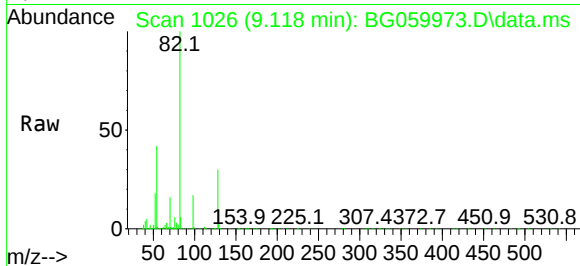




#23
Nitrobenzene-d5
Concen: 65.931 ng
RT: 9.118 min Scan# 1026
Delta R.T. -0.005 min
Lab File: BG059973.D
Acq: 6 Dec 2023 17:19

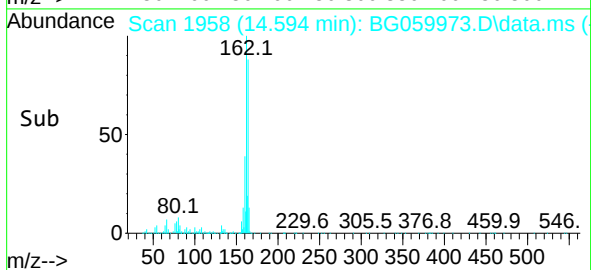
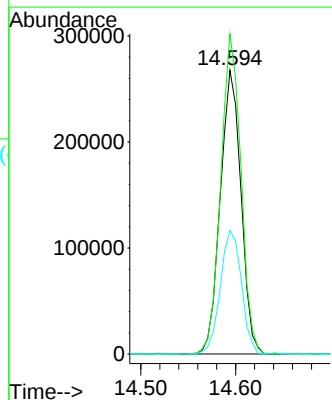
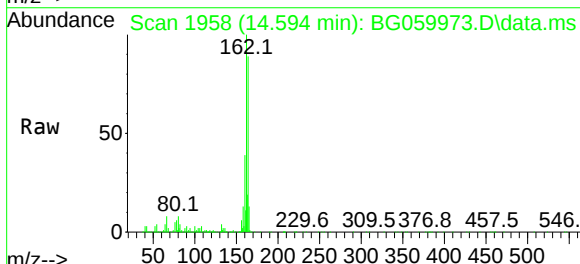
Instrument :
BNA_G
ClientSampleId :
ROUTE-4-TP-5

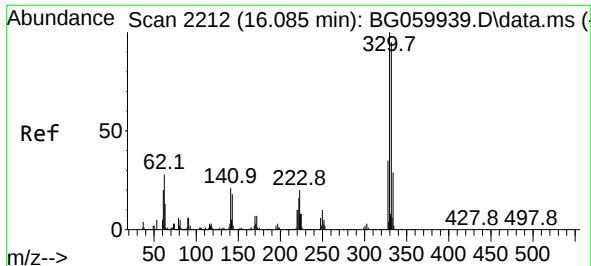
Tgt Ion: 82 Resp: 806894
Ion Ratio Lower Upper
82 100
128 30.4 21.0 31.6
54 42.0 32.6 48.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.594 min Scan# 1958
Delta R.T. -0.005 min
Lab File: BG059973.D
Acq: 6 Dec 2023 17:19

Tgt Ion:164 Resp: 405732
Ion Ratio Lower Upper
164 100
162 112.8 85.0 127.6
160 43.5 38.1 57.1

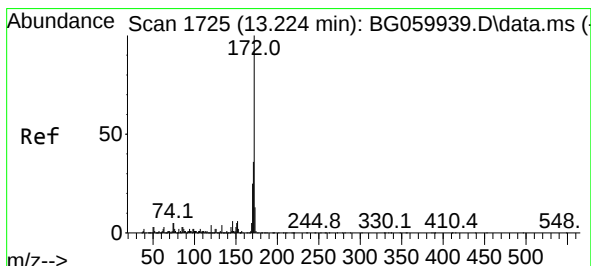
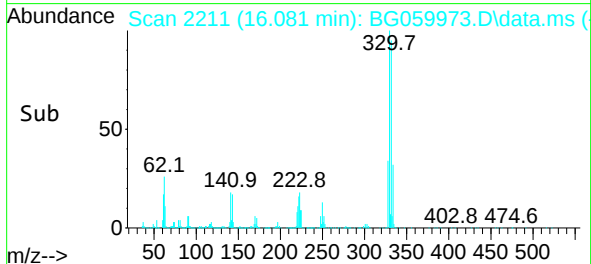
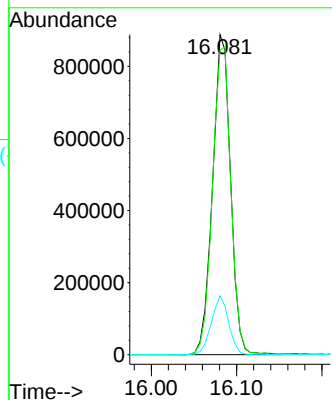
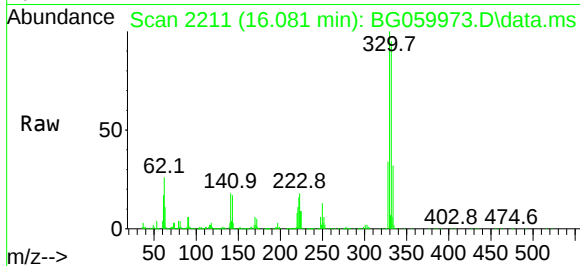




#42
2,4,6-Tribromophenol
Concen: 99.438 ng
RT: 16.081 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG059973.D
Acq: 6 Dec 2023 17:19

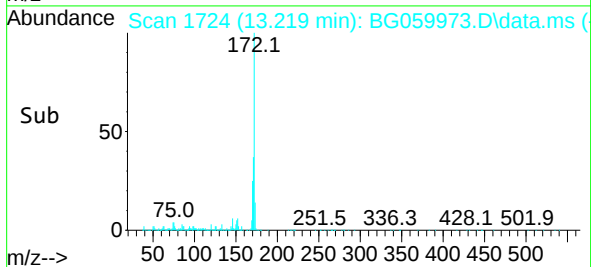
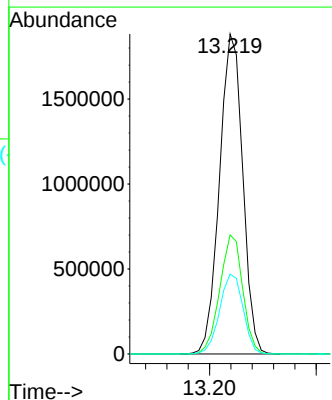
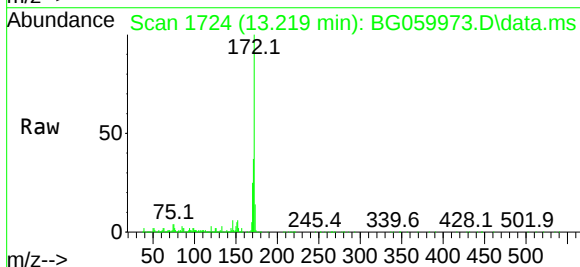
Instrument :
BNA_G
ClientSampleId :
ROUTE-4-TP-5

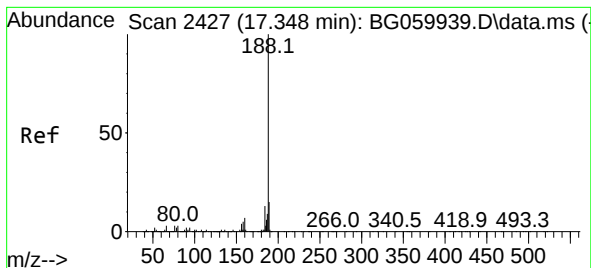
Tgt Ion:330 Resp: 1298068
Ion Ratio Lower Upper
330 100
332 98.3 76.5 114.7
141 17.8 15.0 22.6



#45
2-Fluorobiphenyl
Concen: 76.485 ng
RT: 13.219 min Scan# 1724
Delta R.T. -0.005 min
Lab File: BG059973.D
Acq: 6 Dec 2023 17:19

Tgt Ion:172 Resp: 2845229
Ion Ratio Lower Upper
172 100
171 37.2 28.6 43.0
170 25.0 19.8 29.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.344 min Scan# 24

Delta R.T. -0.005 min

Lab File: BG059973.D

Acq: 6 Dec 2023 17:19

Instrument :

BNA_G

ClientSampleId :

ROUTE-4-TP-5

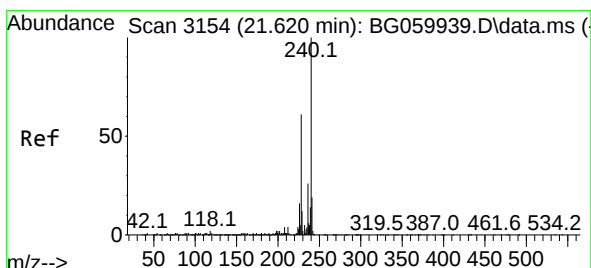
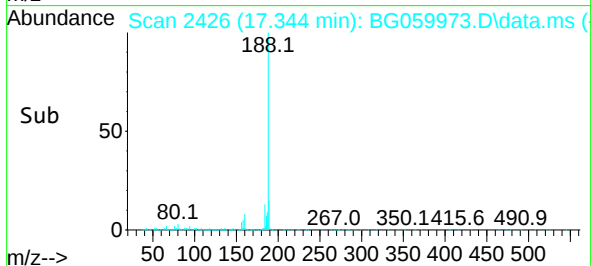
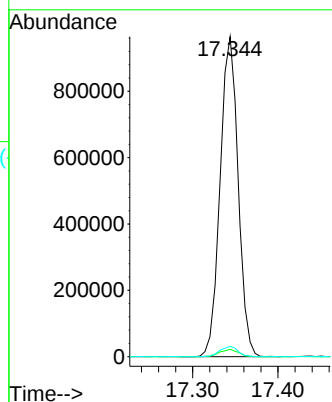
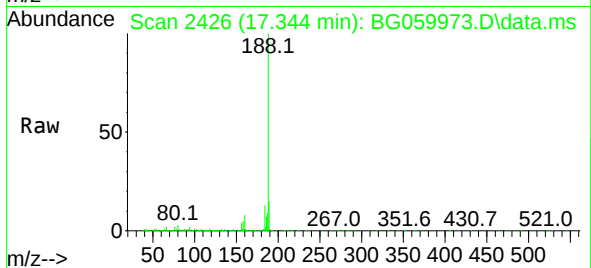
Tgt Ion:188 Resp: 1415041

Ion Ratio Lower Upper

188 100

94 2.3 1.8 2.6

80 3.3 2.2 3.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.615 min Scan# 3153

Delta R.T. -0.005 min

Lab File: BG059973.D

Acq: 6 Dec 2023 17:19

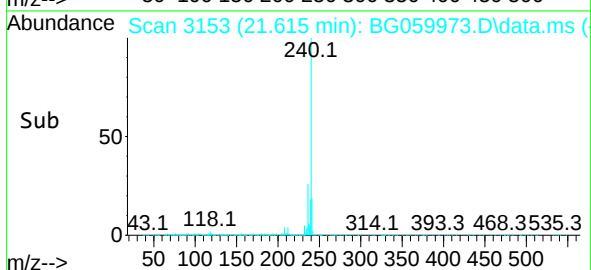
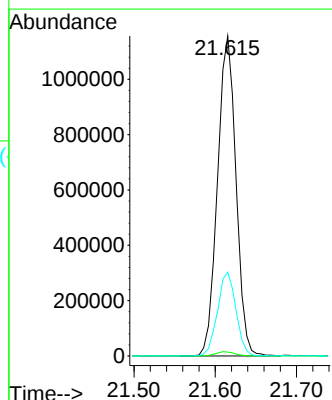
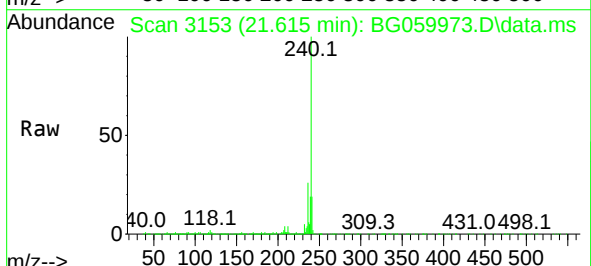
Tgt Ion:240 Resp: 1830940

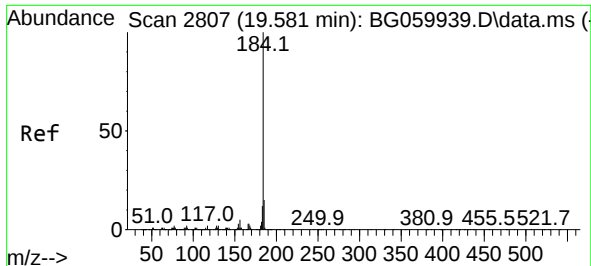
Ion Ratio Lower Upper

240 100

120 1.2 1.0 1.4

236 26.2 20.8 31.2

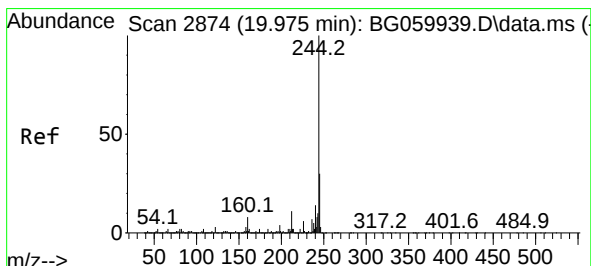
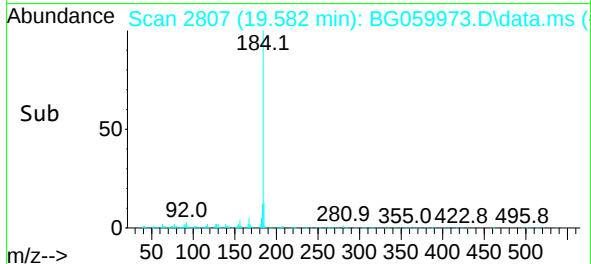
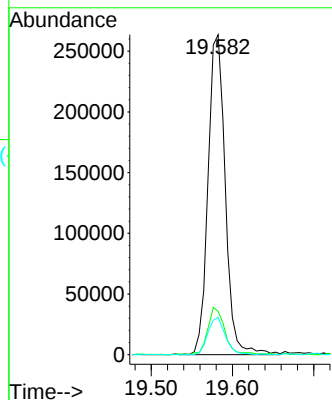
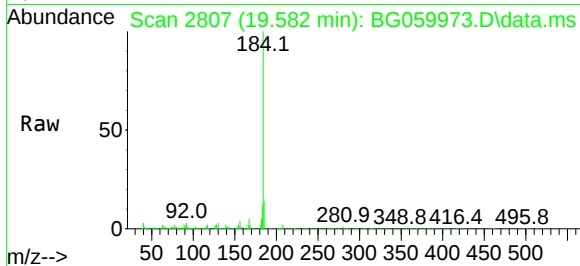




#77
Benzidine
Concen: 25.123 ng
RT: 19.582 min Scan# 2807
Delta R.T. 0.001 min
Lab File: BG059973.D
Acq: 6 Dec 2023 17:19

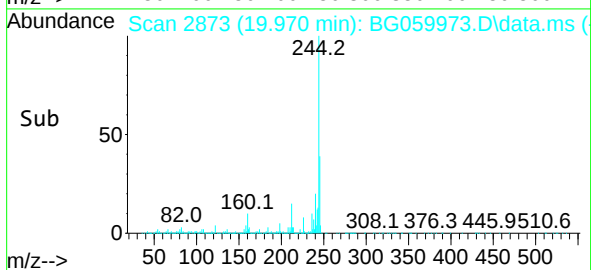
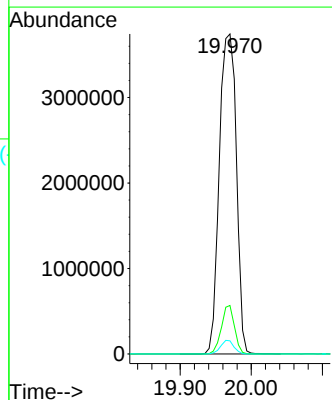
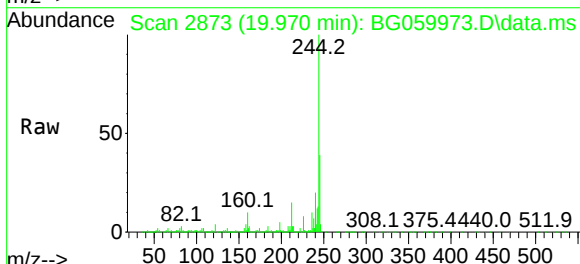
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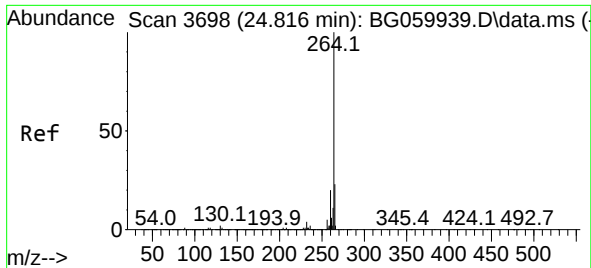
Tgt Ion:184 Resp: 387677
Ion Ratio Lower Upper
184 100
185 13.5 12.0 18.0
183 11.7 9.7 14.5



#79
Terphenyl-d14
Concen: 58.485 ng
RT: 19.970 min Scan# 2873
Delta R.T. -0.005 min
Lab File: BG059973.D
Acq: 6 Dec 2023 17:19

Tgt Ion:244 Resp: 6211668
Ion Ratio Lower Upper
244 100
212 15.2 8.6 13.0#
122 4.1 2.1 3.1#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.806 min Scan# 30
 Delta R.T. -0.010 min
 Lab File: BG059973.D
 Acq: 6 Dec 2023 17:19

Instrument :
 BNA_G
 ClientSampleId :
 ROUTE-4-TP-5

Tgt Ion:264 Resp: 2186393
 Ion Ratio Lower Upper
 264 100
 260 23.9 15.8 23.6#
 265 21.6 18.1 27.1

