

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112123\
 Data File : BG059795.D
 Acq On : 21 Nov 2023 16:51
 Operator : MA/JU
 Sample : 05388-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-4

Quant Time: Nov 21 17:44:39 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)

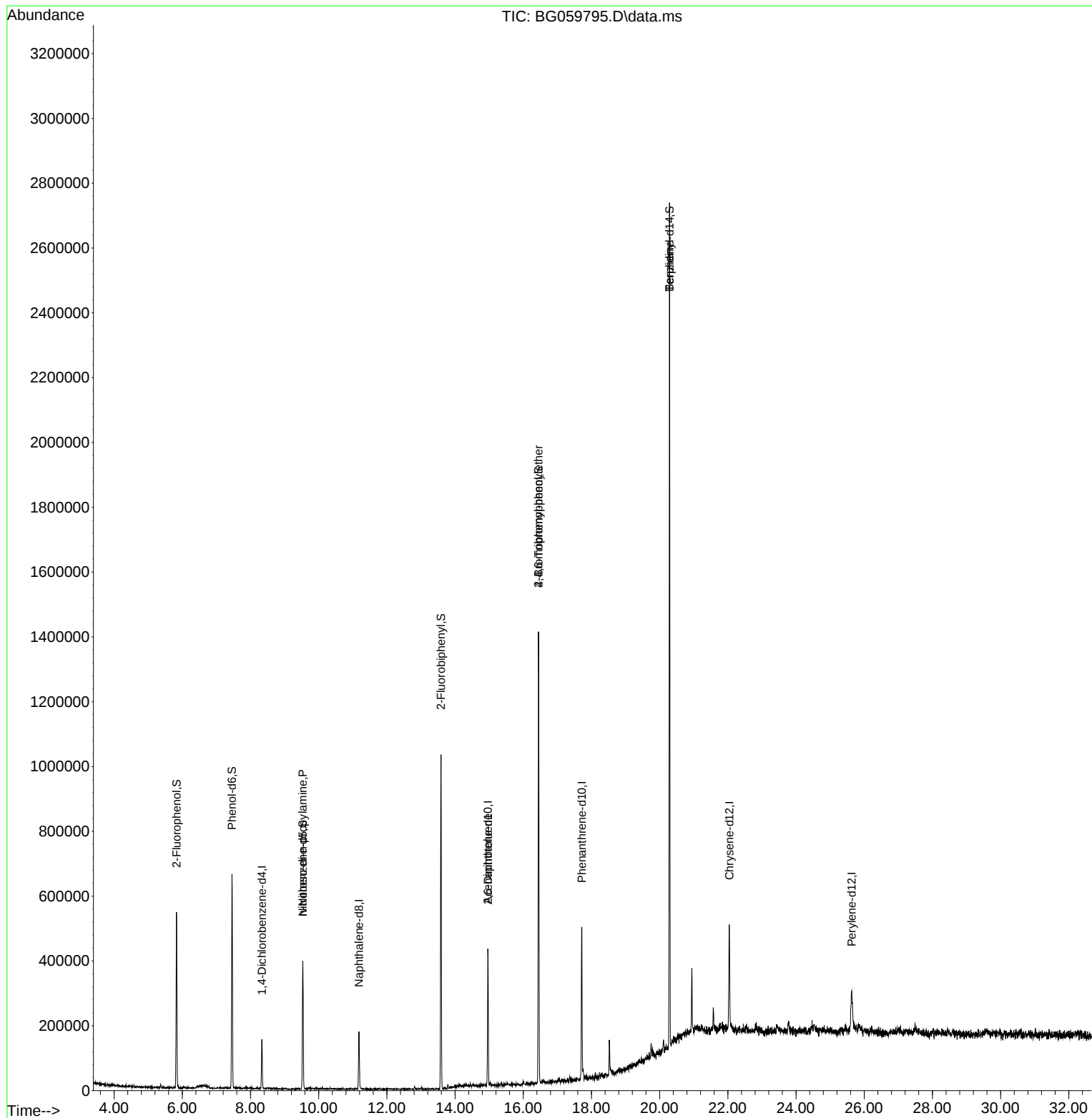
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.335	152	31395	20.000	ng	# 0.00
21) Naphthalene-d8	11.184	136	121440	20.000	ng	# 0.00
39) Acenaphthene-d10	14.962	164	129908	20.000	ng	0.00
64) Phenanthrene-d10	17.718	188	268398	20.000	ng	0.00
76) Chrysene-d12	22.042	240	187429	20.000	ng	# 0.00
86) Perylene-d12	25.632	264	171395	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.832	112	188901	101.273	ng	0.00
7) Phenol-d6	7.459	99	293192	106.070	ng	0.00
23) Nitrobenzene-d5	9.533	82	263551	82.885	ng	0.00
42) 2,4,6-Tribromophenol	16.449	330	184190	124.962	ng	0.00
45) 2-Fluorobiphenyl	13.587	172	455941	47.242	ng	0.00
79) Terphenyl-d14	20.291	244	1025298	80.756	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.533	70	41346	18.995	ng	# 71
51) 2,6-Dinitrotoluene	14.962	165	16682	8.735	ng	# 3
67) 4-Bromophenyl-phenylether	16.449	248	12149	4.213	ng	# 1
77) Benzidine	20.291	184	33386	7.855	ng	# 91

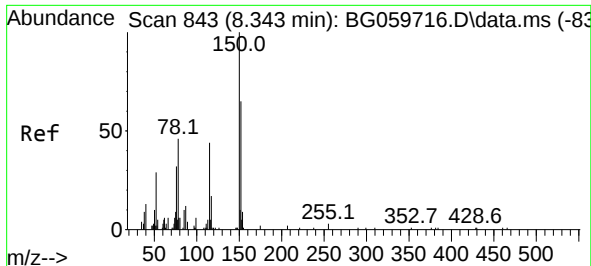
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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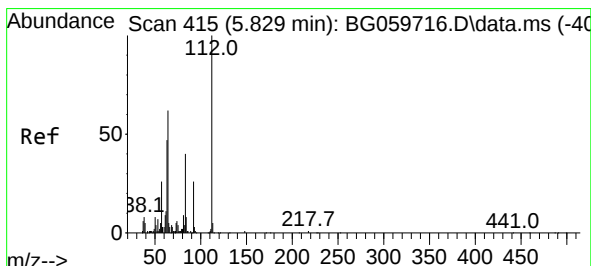
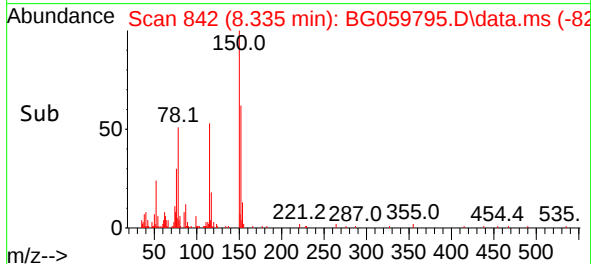
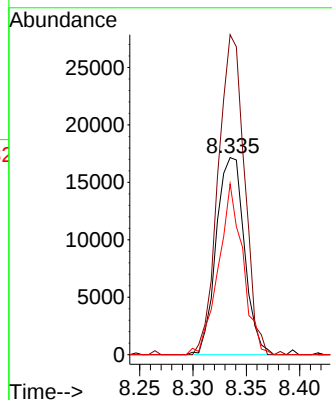
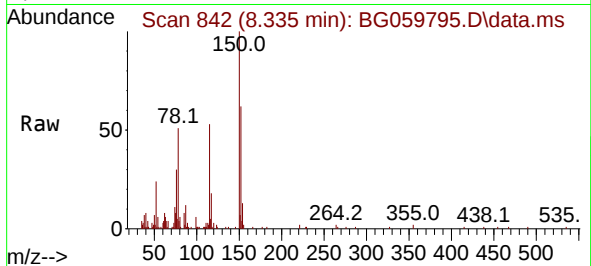




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.335 min Scan# 843
Delta R.T. -0.008 min
Lab File: BG059795.D
Acq: 21 Nov 2023 16:51

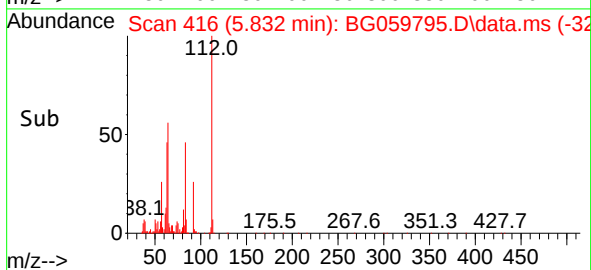
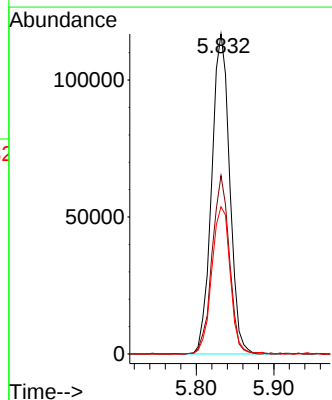
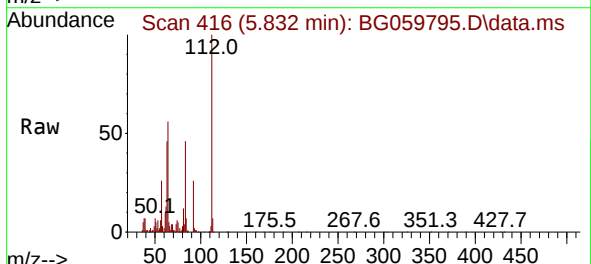
Instrument :
BNA_G
ClientSampleId :
TP-4

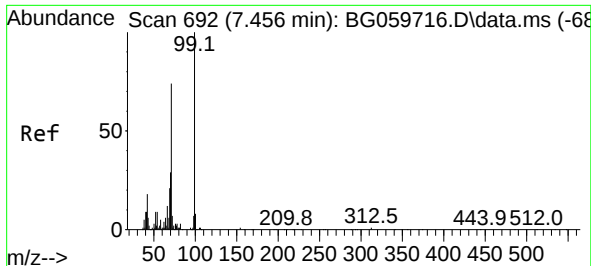
Tgt Ion:152 Resp: 31395
Ion Ratio Lower Upper
152 100
150 162.3 122.2 183.4
115 86.7 54.2 81.4#



#5
2-Fluorophenol
Concen: 101.273 ng
RT: 5.832 min Scan# 416
Delta R.T. 0.003 min
Lab File: BG059795.D
Acq: 21 Nov 2023 16:51

Tgt Ion:112 Resp: 188901
Ion Ratio Lower Upper
112 100
64 55.8 49.5 74.3
63 46.0 37.4 56.2

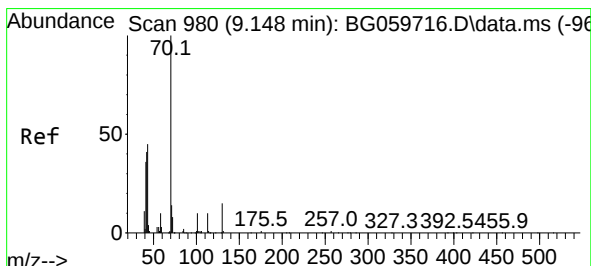
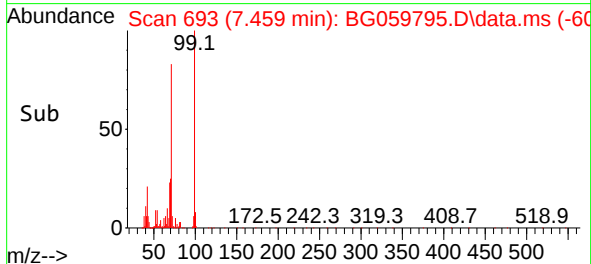
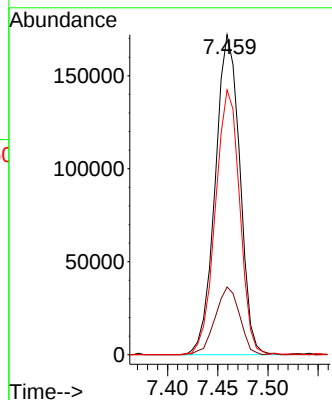
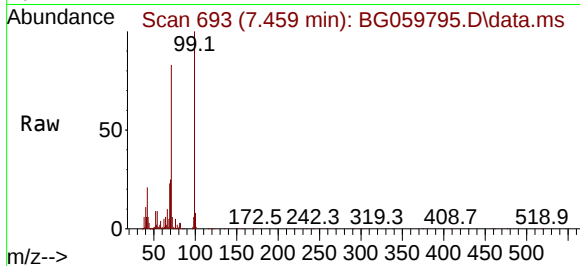




#7
Phenol-d6
Concen: 106.070 ng
RT: 7.459 min Scan# 692
Delta R.T. 0.003 min
Lab File: BG059795.D
Acq: 21 Nov 2023 16:51

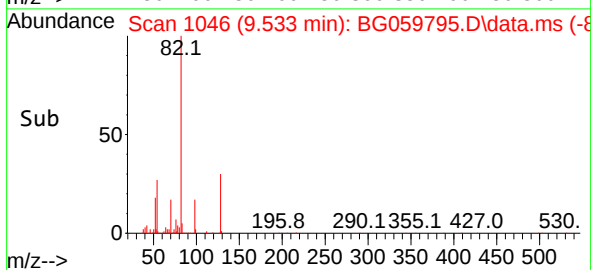
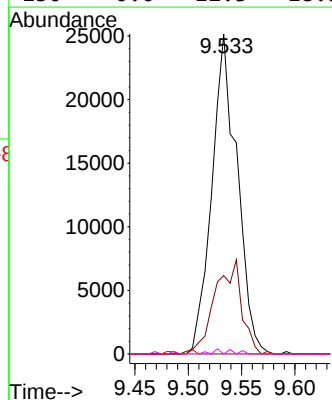
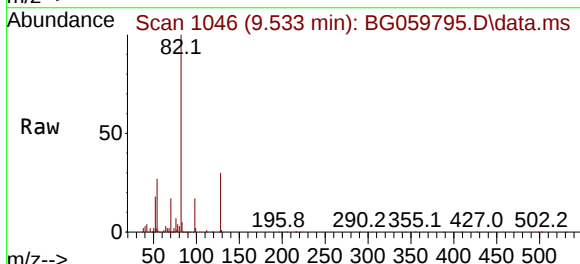
Instrument :
BNA_G
ClientSampleId :
TP-4

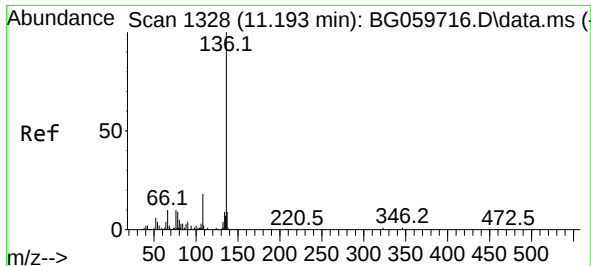
Tgt Ion: 99 Resp: 293192
Ion Ratio Lower Upper
99 100
42 21.2 14.3 21.5
71 82.7 59.3 88.9



#19
n-Nitroso-di-n-propylamine
Concen: 18.995 ng
RT: 9.533 min Scan# 1046
Delta R.T. 0.385 min
Lab File: BG059795.D
Acq: 21 Nov 2023 16:51

Tgt Ion: 70 Resp: 41346
Ion Ratio Lower Upper
70 100
42 24.5 32.8 49.2#
101 0.0 7.7 11.5#
130 0.0 12.3 18.5#

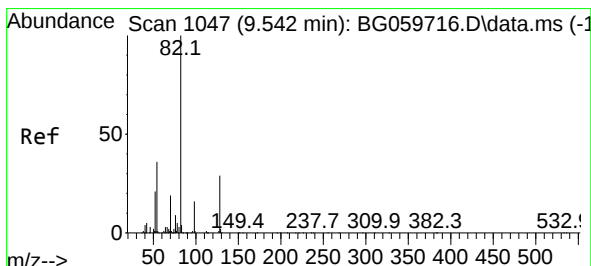
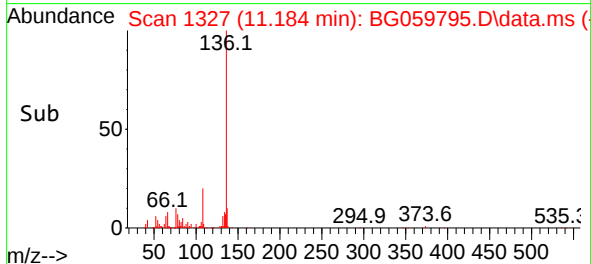
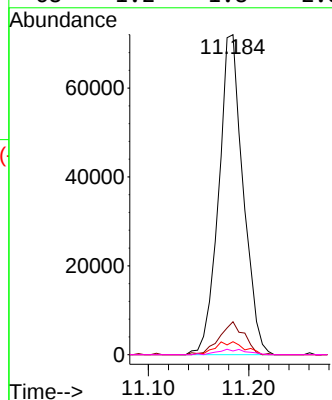
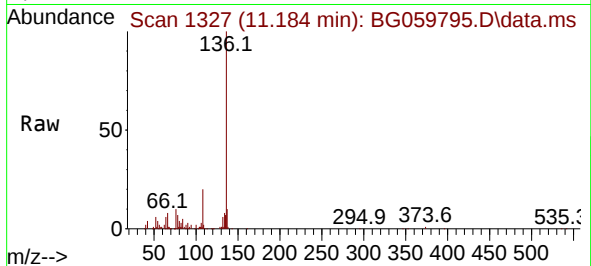




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.184 min Scan# 111
Delta R.T. -0.009 min
Lab File: BG059795.D
Acq: 21 Nov 2023 16:51

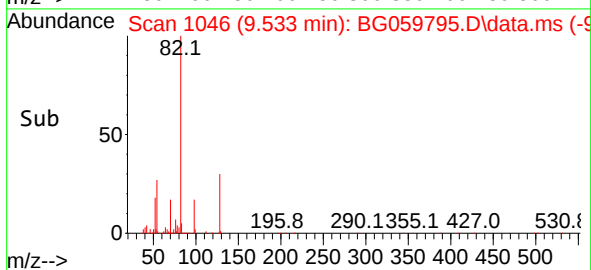
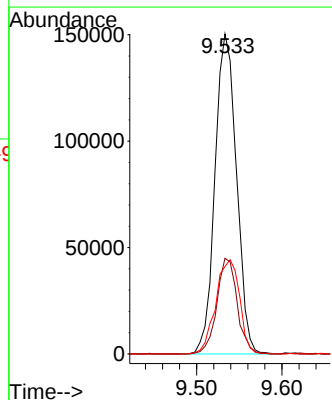
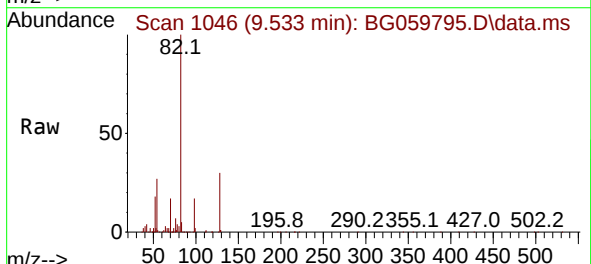
Instrument :
BNA_G
ClientSampleId :
TP-4

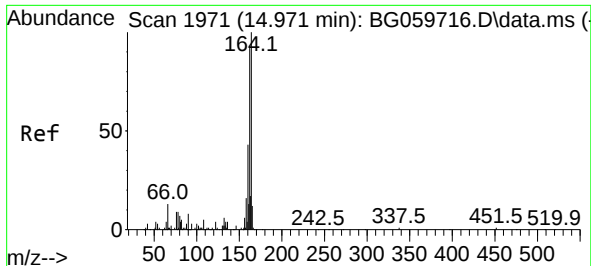
Tgt Ion:136 Resp: 121440
Ion Ratio Lower Upper
136 100
137 10.3 7.4 11.0
54 4.1 3.1 4.7
68 1.2 1.8 2.8#



#23
Nitrobenzene-d5
Concen: 82.885 ng
RT: 9.533 min Scan# 1046
Delta R.T. -0.009 min
Lab File: BG059795.D
Acq: 21 Nov 2023 16:51

Tgt Ion: 82 Resp: 263551
Ion Ratio Lower Upper
82 100
128 29.9 23.0 34.6
54 27.3 28.7 43.1#

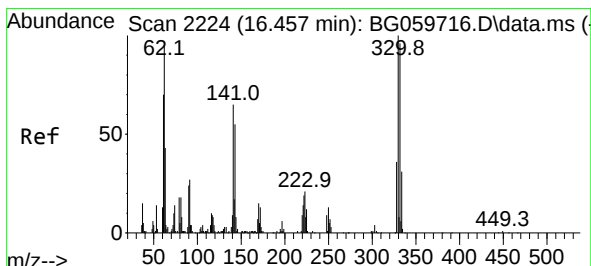
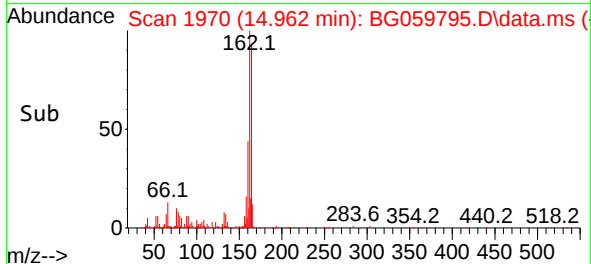
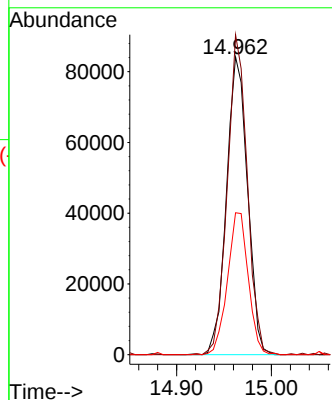
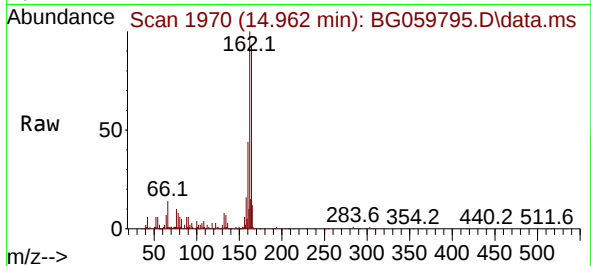




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.962 min Scan# 1970
Delta R.T. -0.009 min
Lab File: BG059795.D
Acq: 21 Nov 2023 16:51

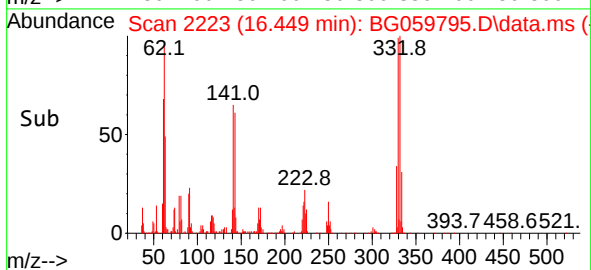
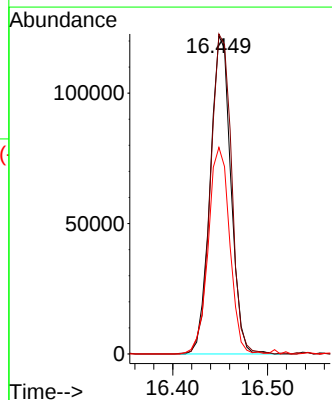
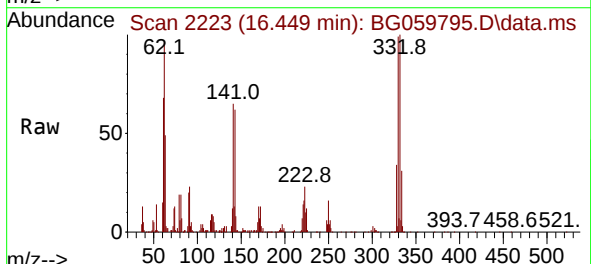
Instrument :
BNA_G
ClientSampleId :
TP-4

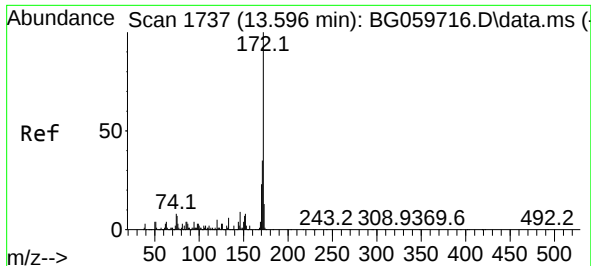
Tgt Ion:164 Resp: 129908
Ion Ratio Lower Upper
164 100
162 107.4 73.3 109.9
160 47.7 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 124.962 ng
RT: 16.449 min Scan# 2223
Delta R.T. -0.009 min
Lab File: BG059795.D
Acq: 21 Nov 2023 16:51

Tgt Ion:330 Resp: 184190
Ion Ratio Lower Upper
330 100
332 102.3 73.3 109.9
141 67.3 52.1 78.1

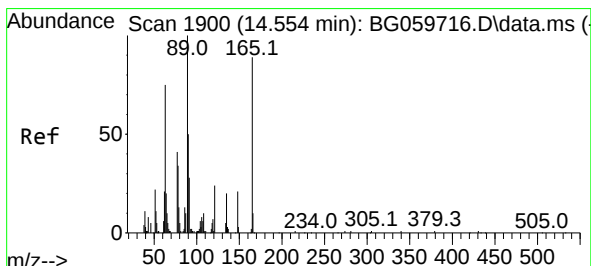
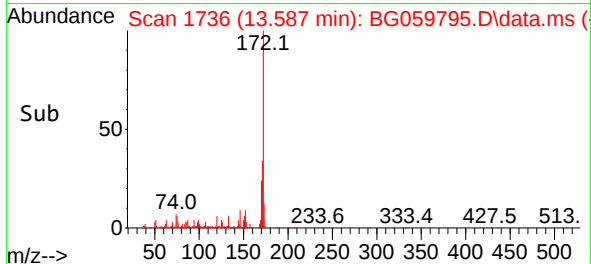
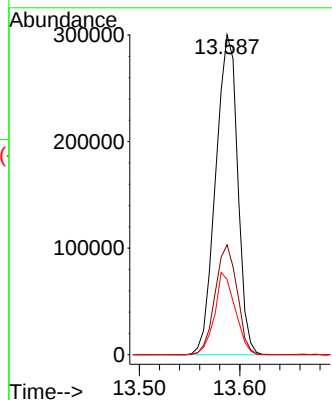
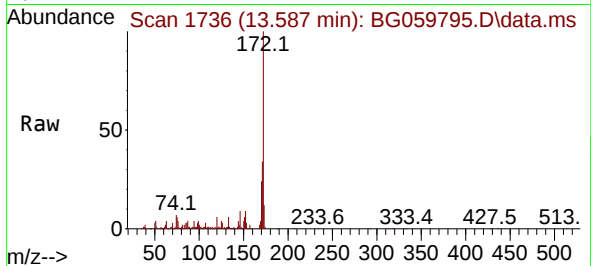




#45
2-Fluorobiphenyl
Concen: 47.242 ng
RT: 13.587 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG059795.D
Acq: 21 Nov 2023 16:51

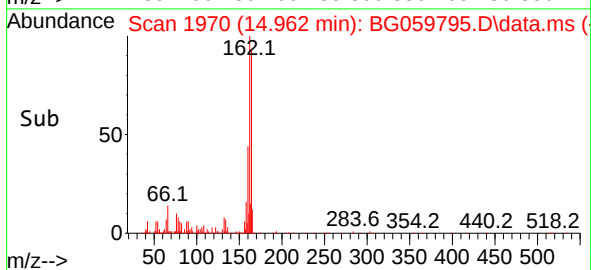
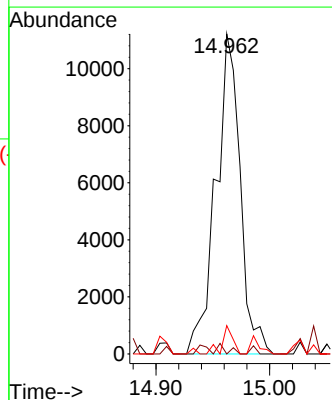
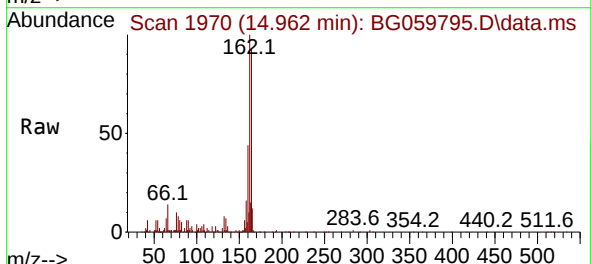
Instrument :
BNA_G
ClientSampleId :
TP-4

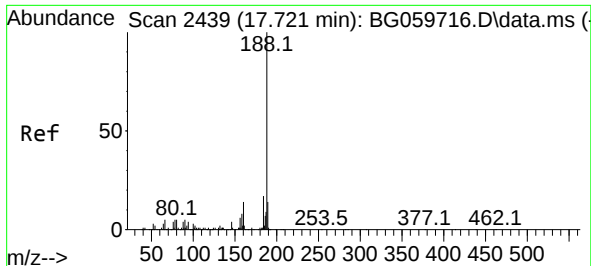
Tgt Ion:172 Resp: 455941
Ion Ratio Lower Upper
172 100
171 34.3 27.7 41.5
170 23.5 18.4 27.6



#51
2,6-Dinitrotoluene
Concen: 8.735 ng
RT: 14.962 min Scan# 1970
Delta R.T. 0.408 min
Lab File: BG059795.D
Acq: 21 Nov 2023 16:51

Tgt Ion:165 Resp: 16682
Ion Ratio Lower Upper
165 100
63 0.0 75.3 112.9#
89 8.9 90.9 136.3#

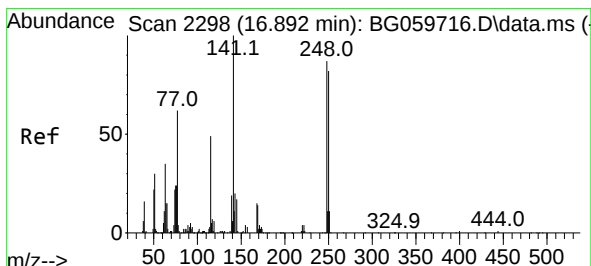
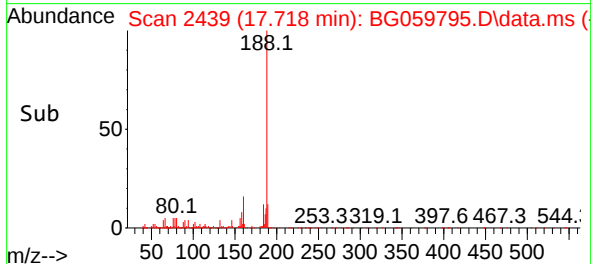
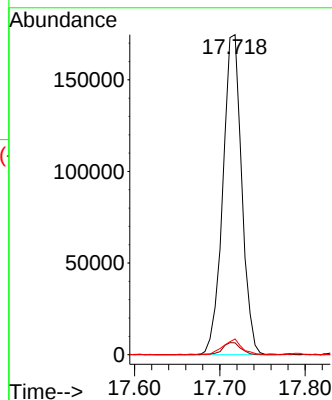
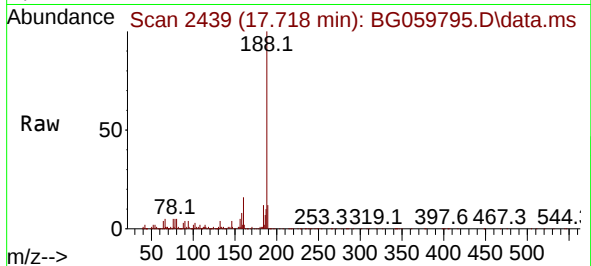




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.718 min Scan# 2439
Delta R.T. -0.003 min
Lab File: BG059795.D
Acq: 21 Nov 2023 16:51

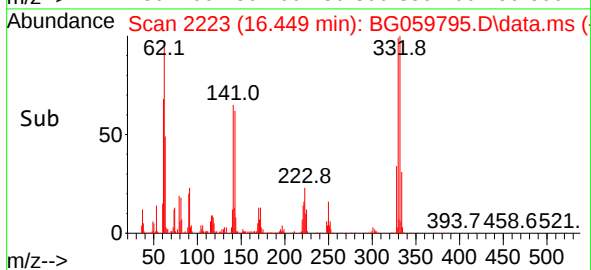
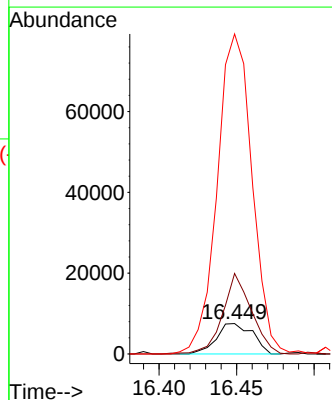
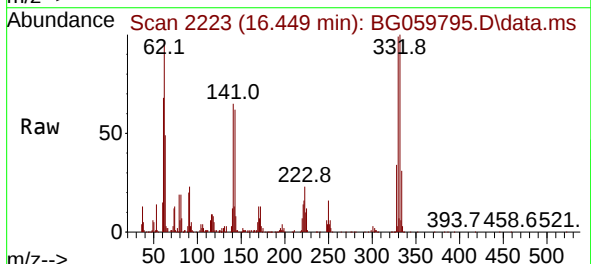
Instrument :
BNA_G
ClientSampleId :
TP-4

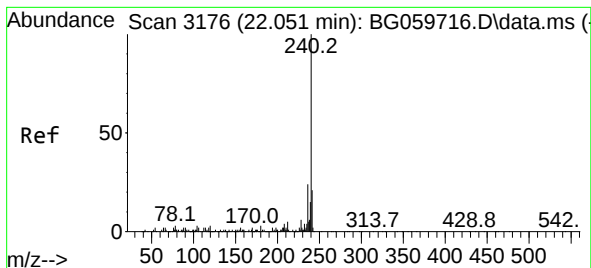
Tgt Ion:188 Resp: 268398
Ion Ratio Lower Upper
188 100
94 3.7 3.0 4.4
80 4.9 4.2 6.4



#67
4-Bromophenyl-phenylether
Concen: 4.213 ng
RT: 16.449 min Scan# 2223
Delta R.T. -0.443 min
Lab File: BG059795.D
Acq: 21 Nov 2023 16:51

Tgt Ion:248 Resp: 12149
Ion Ratio Lower Upper
248 100
250 265.5 75.2 112.8#
141 1055.1 91.5 137.3#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.042 min Scan# 3175

Delta R.T. -0.009 min

Lab File: BG059795.D

Acq: 21 Nov 2023 16:51

Instrument :

BNA_G

ClientSampleId :

TP-4

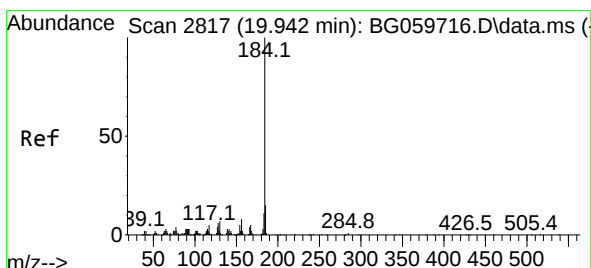
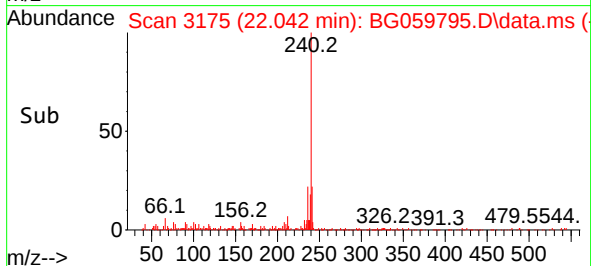
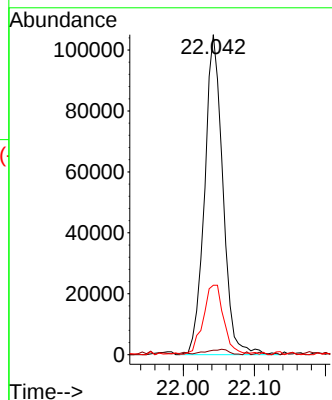
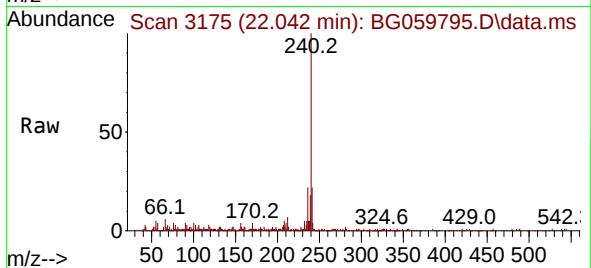
Tgt Ion:240 Resp: 187429

Ion Ratio Lower Upper

240 100

120 1.4 2.2 3.2#

236 21.7 19.4 29.2



#77

Benzidine

Concen: 7.855 ng

RT: 20.291 min Scan# 2877

Delta R.T. 0.350 min

Lab File: BG059795.D

Acq: 21 Nov 2023 16:51

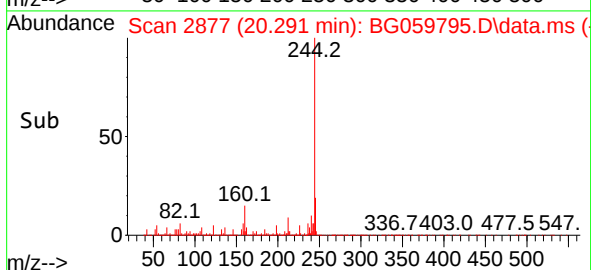
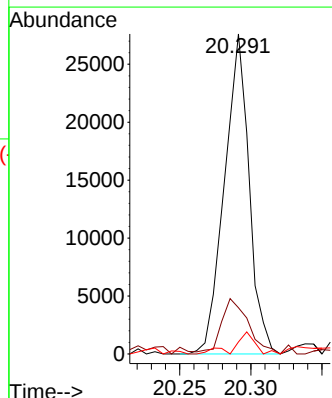
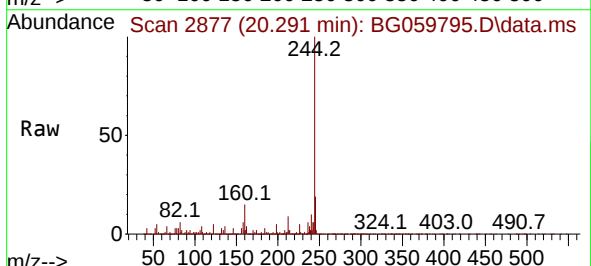
Tgt Ion:184 Resp: 33386

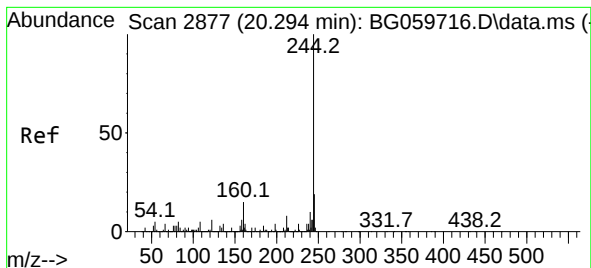
Ion Ratio Lower Upper

184 100

185 14.4 12.2 18.2

183 3.7 8.8 13.2#





#79

Terphenyl-d14

Concen: 80.756 ng

RT: 20.291 min Scan# 2

Delta R.T. -0.003 min

Lab File: BG059795.D

Acq: 21 Nov 2023 16:51

Instrument :

BNA_G

ClientSampleId :

TP-4

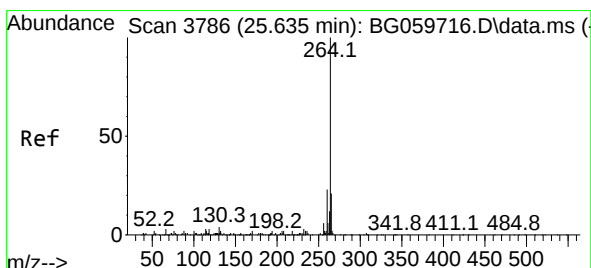
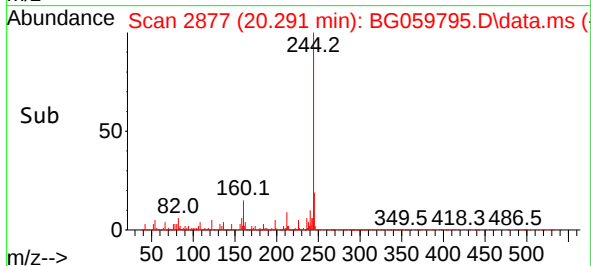
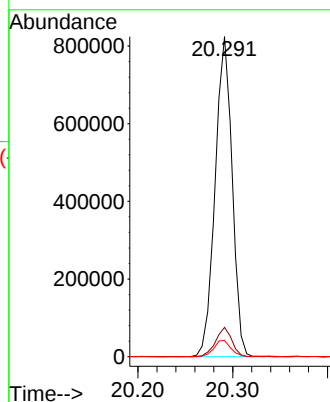
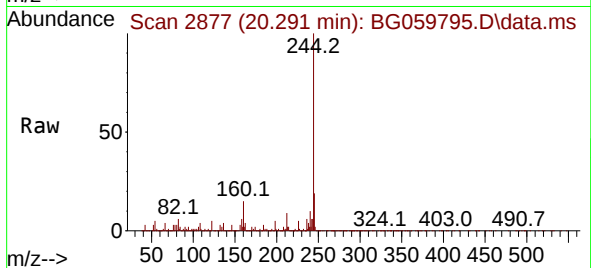
Tgt Ion:244 Resp: 1025298

Ion Ratio Lower Upper

244 100

212 9.1 6.6 10.0

122 5.1 4.4 6.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.632 min Scan# 3786

Delta R.T. -0.003 min

Lab File: BG059795.D

Acq: 21 Nov 2023 16:51

Tgt Ion:264 Resp: 171395

Ion Ratio Lower Upper

264 100

260 17.3 18.5 27.7#

265 18.5 17.0 25.6

