

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051024\
 Data File : BG061170.D
 Acq On : 10 May 2024 19:43
 Operator : MA/JU
 Sample : P2430-03 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 1011UMR-SS002-1224-01

Quant Time: May 10 23:02:05 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 05:11:25 2024
 Response via : Initial Calibration

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

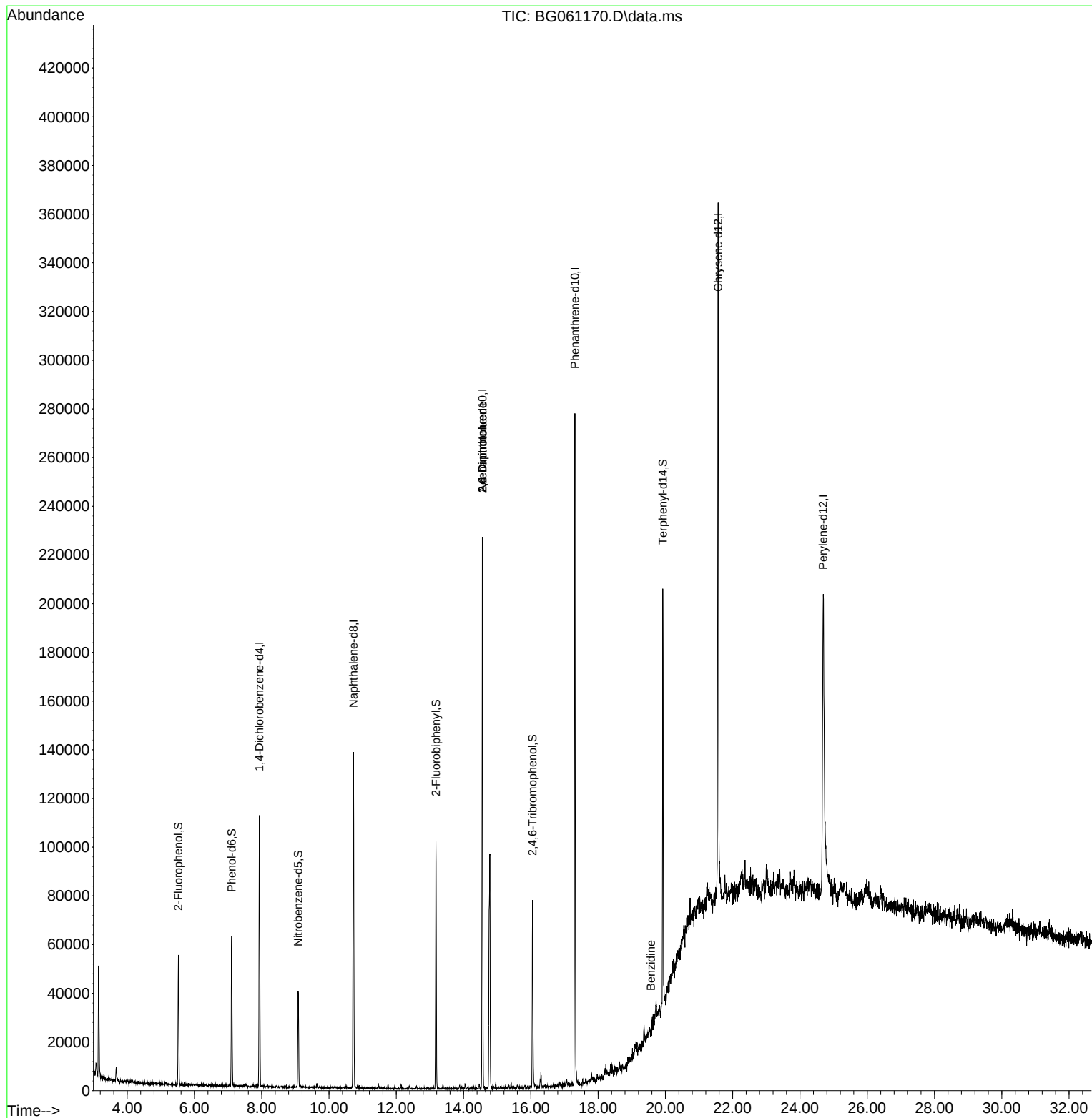
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.931	152	28180	20.000	ng	-0.03
21) Naphthalene-d8	10.728	136	109020	20.000	ng	#-0.03
39) Acenaphthene-d10	14.559	164	82014	20.000	ng	-0.03
64) Phenanthrene-d10	17.309	188	178507	20.000	ng	-0.02
76) Chrysene-d12	21.568	240	180064	20.000	ng	-0.02
86) Perylene-d12	24.688	264	207391	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	20593	14.862	ng	-0.02
7) Phenol-d6	7.109	99	26865	13.106	ng	-0.02
23) Nitrobenzene-d5	9.083	82	20729	9.426	ng	-0.04
42) 2,4,6-Tribromophenol	16.051	330	18212	11.110	ng	-0.02
45) 2-Fluorobiphenyl	13.178	172	52501	9.466	ng	-0.03
79) Terphenyl-d14	19.923	244	83548	7.717	ng	-0.03
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	14.559	165	10284	7.590	ng	# 15
57) 2,4-Dinitrotoluene	14.559	165	10284	5.130	ng	# 17
77) Benzidine	19.571	184	79	2.817	ng	# 6

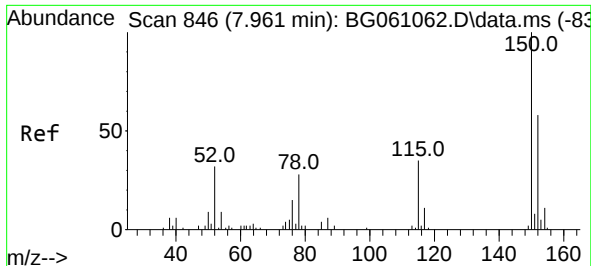
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051024\
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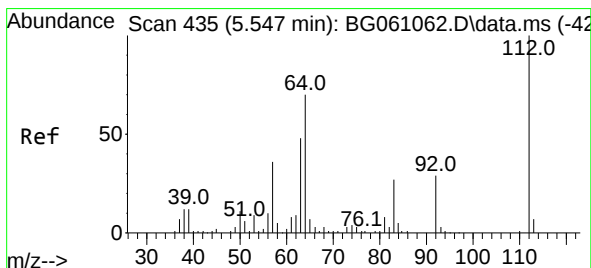
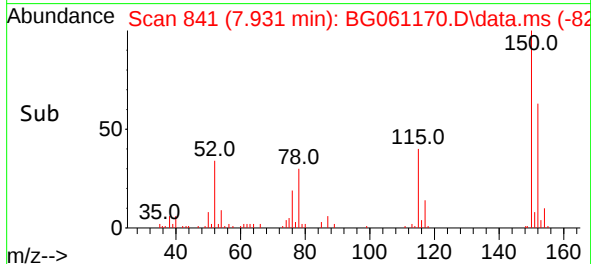
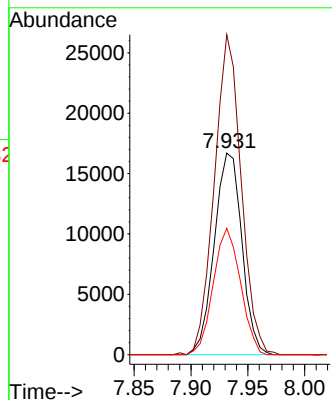
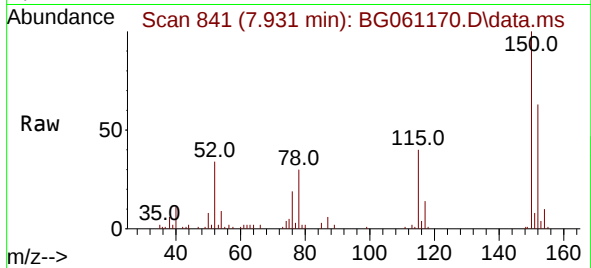




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.931 min Scan# 846
Delta R.T. -0.030 min
Lab File: BG061170.D
Acq: 10 May 2024 19:43

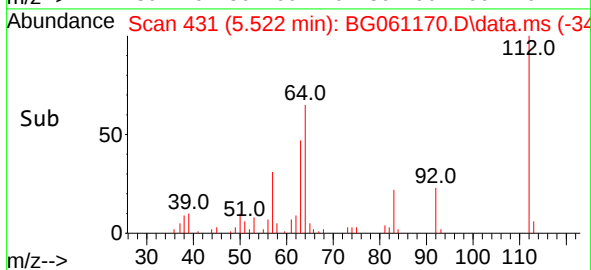
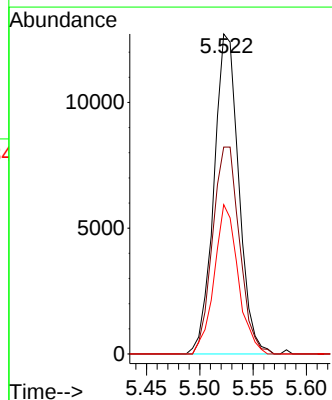
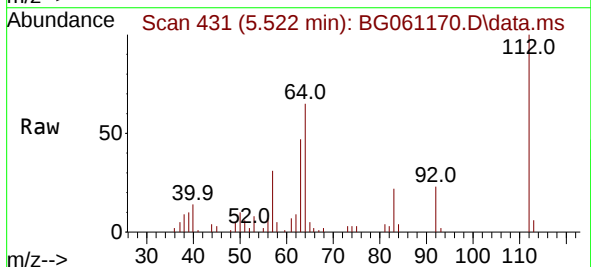
Instrument :
BNA_G
ClientSampleId :
1011UMR-SS002-1224-01

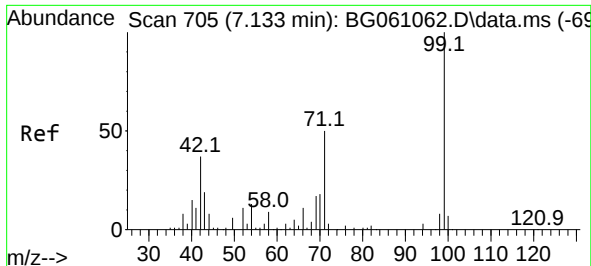
Tgt Ion:152 Resp: 28180
Ion Ratio Lower Upper
152 100
150 158.7 138.3 207.5
115 62.7 48.0 72.0



#5
2-Fluorophenol
Concen: 14.862 ng
RT: 5.522 min Scan# 431
Delta R.T. -0.024 min
Lab File: BG061170.D
Acq: 10 May 2024 19:43

Tgt Ion:112 Resp: 20593
Ion Ratio Lower Upper
112 100
64 64.6 55.7 83.5
63 46.7 38.1 57.1

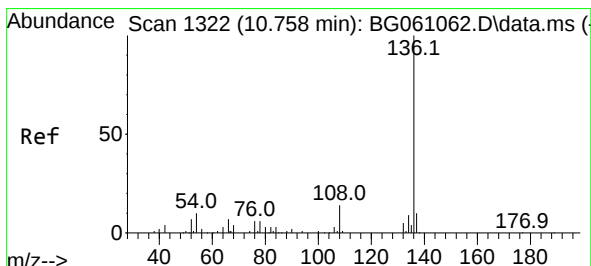
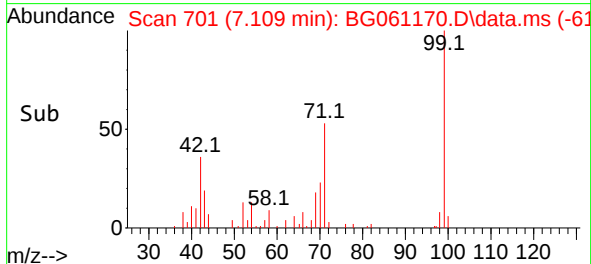
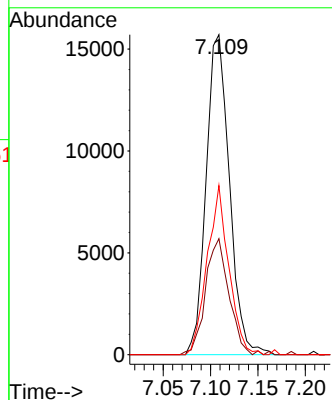
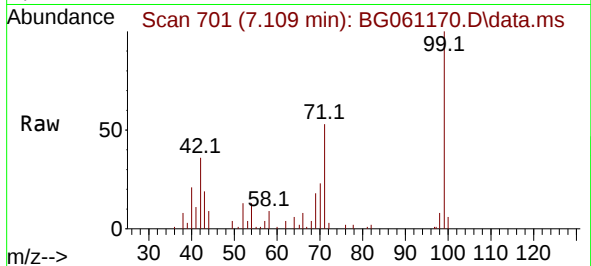




#7
Phenol-d6
Concen: 13.106 ng
RT: 7.109 min Scan# 705
Delta R.T. -0.024 min
Lab File: BG061170.D
Acq: 10 May 2024 19:43

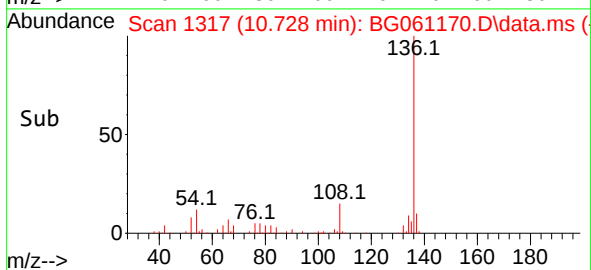
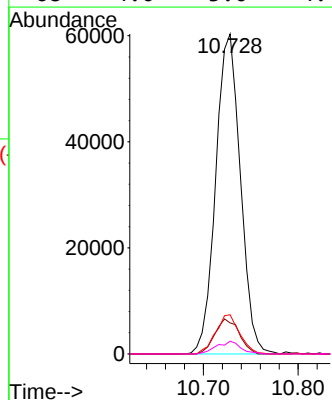
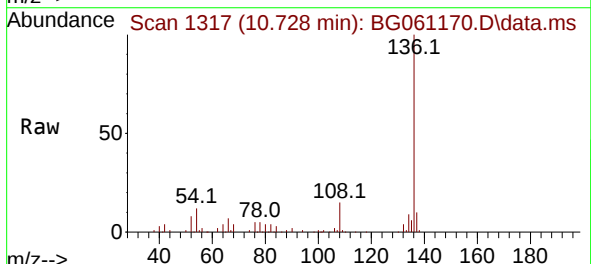
Instrument :
BNA_G
ClientSampleId :
1011UMR-SS002-1224-01

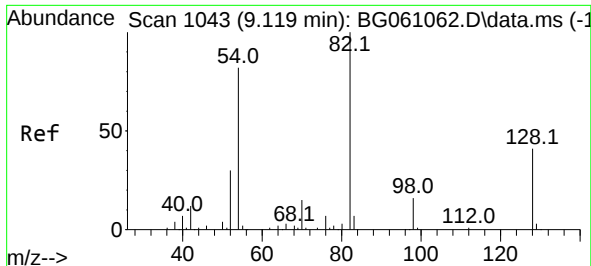
Tgt Ion: 99 Resp: 26865
Ion Ratio Lower Upper
99 100
42 36.2 29.2 43.8
71 52.9 39.7 59.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.728 min Scan# 1317
Delta R.T. -0.030 min
Lab File: BG061170.D
Acq: 10 May 2024 19:43

Tgt Ion:136 Resp: 109020
Ion Ratio Lower Upper
136 100
137 9.7 7.8 11.6
54 12.3 8.1 12.1#
68 4.0 3.0 4.4





#23

Nitrobenzene-d5

Concen: 9.426 ng

RT: 9.083 min Scan# 1043

Delta R.T. -0.036 min

Lab File: BG061170.D

Acq: 10 May 2024 19:43

Instrument :

BNA_G

ClientSampleId :

1011UMR-SS002-1224-01

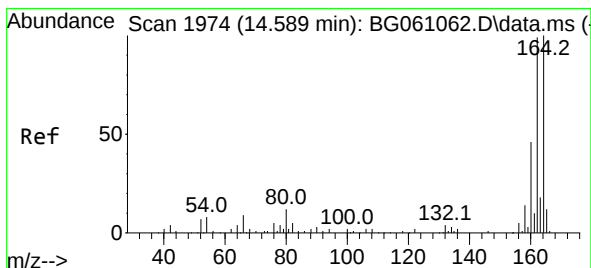
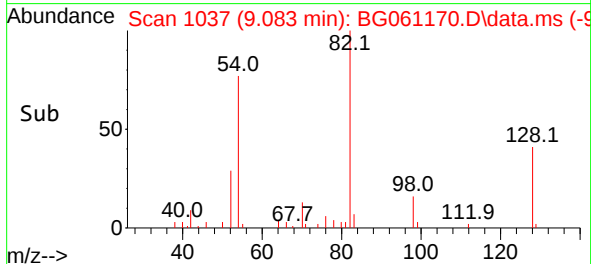
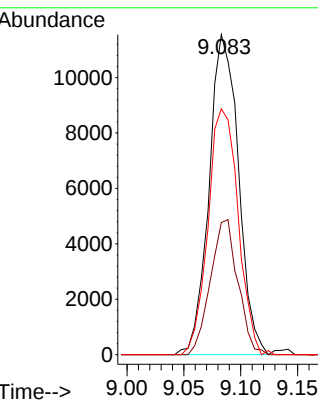
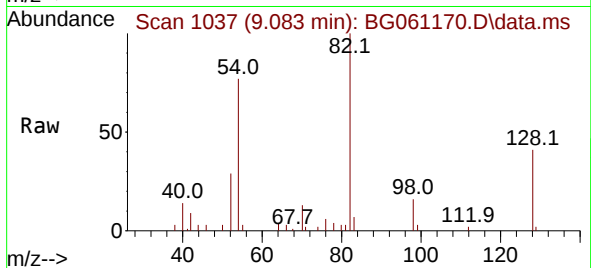
Tgt Ion: 82 Resp: 20729

Ion Ratio Lower Upper

82 100

128 41.3 32.7 49.1

54 76.8 65.6 98.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.559 min Scan# 1969

Delta R.T. -0.030 min

Lab File: BG061170.D

Acq: 10 May 2024 19:43

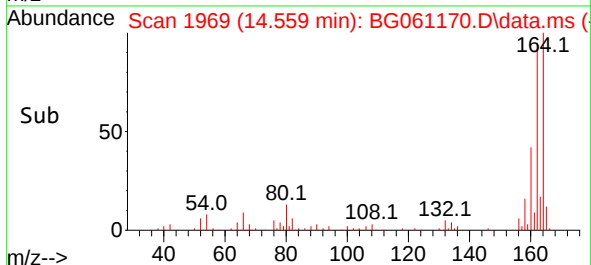
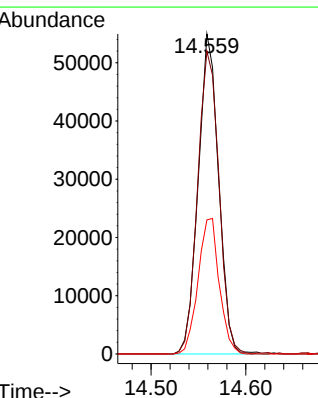
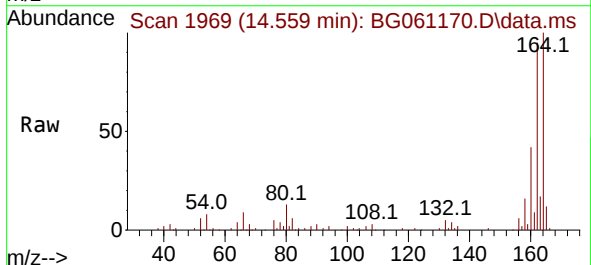
Tgt Ion: 164 Resp: 82014

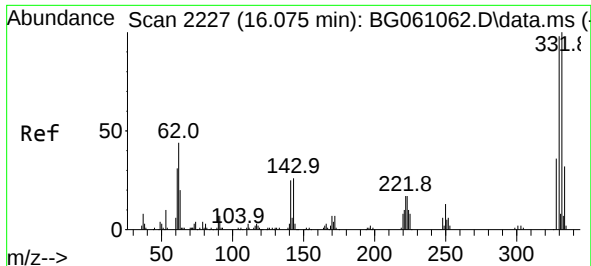
Ion Ratio Lower Upper

164 100

162 94.6 79.4 119.2

160 41.9 37.0 55.6





#42

2,4,6-Tribromophenol

Concen: 11.110 ng

RT: 16.051 min Scan# 21

Delta R.T. -0.024 min

Lab File: BG061170.D

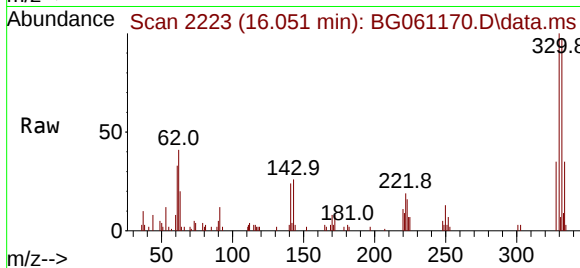
Acq: 10 May 2024 19:43

Instrument :

BNA_G

ClientSampleId :

1011UMR-SS002-1224-01



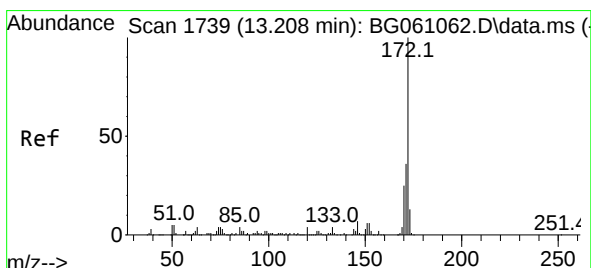
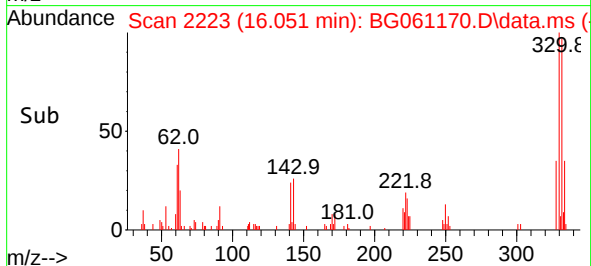
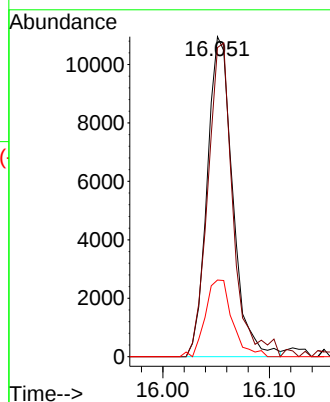
Tgt Ion:330 Resp: 18212

Ion Ratio Lower Upper

330 100

332 96.8 78.6 117.8

141 25.2 20.5 30.7



#45

2-Fluorobiphenyl

Concen: 9.466 ng

RT: 13.178 min Scan# 1734

Delta R.T. -0.030 min

Lab File: BG061170.D

Acq: 10 May 2024 19:43

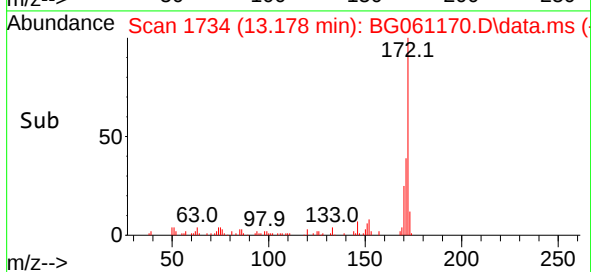
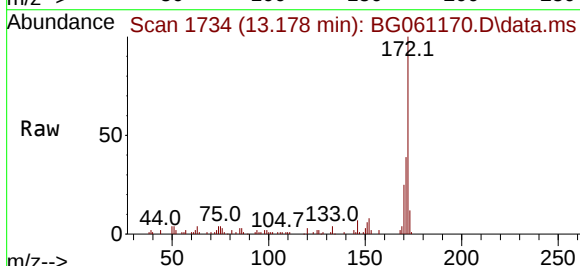
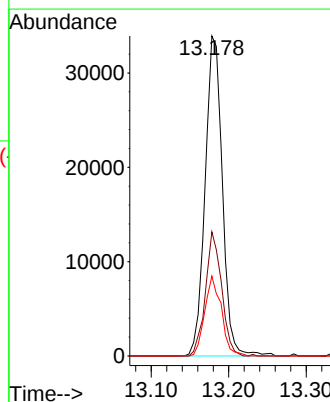
Tgt Ion:172 Resp: 52501

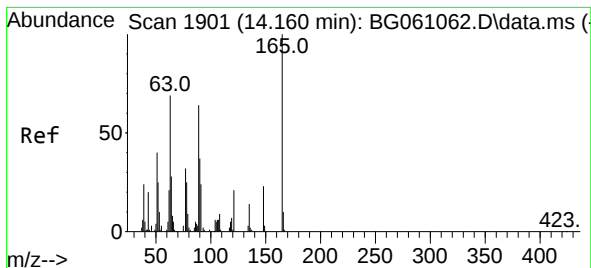
Ion Ratio Lower Upper

172 100

171 38.8 29.0 43.6

170 24.9 20.2 30.4





#51

2,6-Dinitrotoluene

Concen: 7.590 ng

RT: 14.559 min Scan# 1969

Delta R.T. 0.399 min

Lab File: BG061170.D

Acq: 10 May 2024 19:43

Instrument :

BNA_G

ClientSampleId :

1011UMR-SS002-1224-01

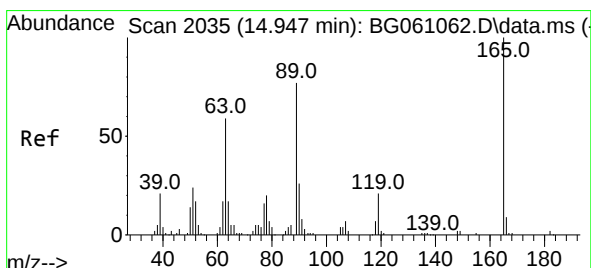
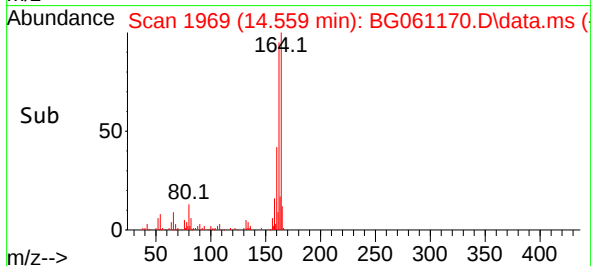
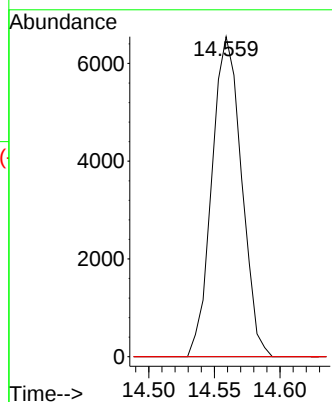
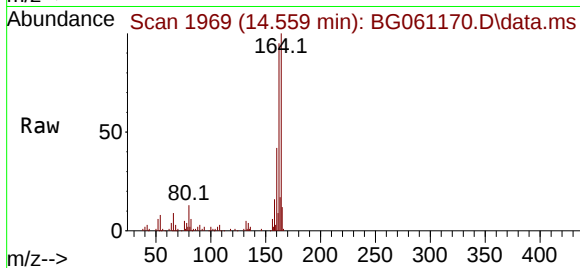
Tgt Ion:165 Resp: 10284

Ion Ratio Lower Upper

165 100

63 0.0 60.0 90.0#

89 0.0 50.9 76.3#



#57

2,4-Dinitrotoluene

Concen: 5.130 ng

RT: 14.559 min Scan# 1969

Delta R.T. -0.388 min

Lab File: BG061170.D

Acq: 10 May 2024 19:43

Tgt Ion:165 Resp: 10284

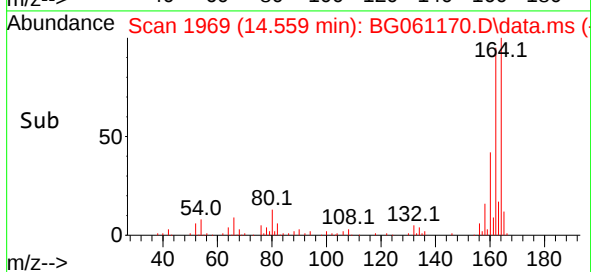
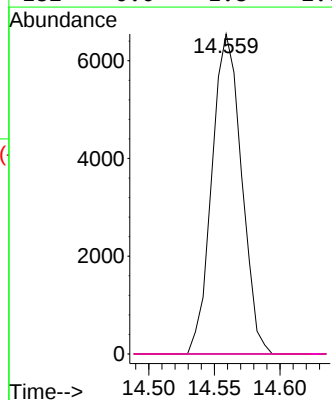
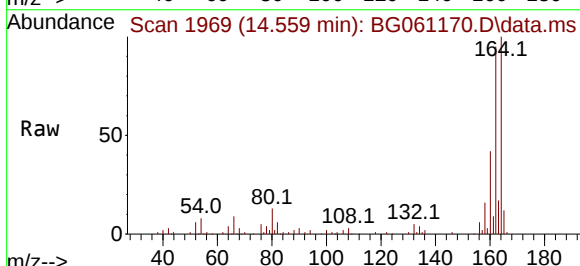
Ion Ratio Lower Upper

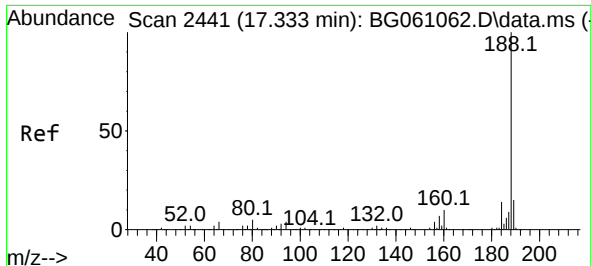
165 100

63 0.0 47.3 70.9#

89 0.0 61.8 92.8#

182 0.0 1.8 2.6#

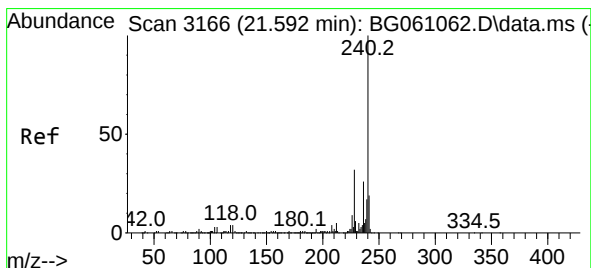
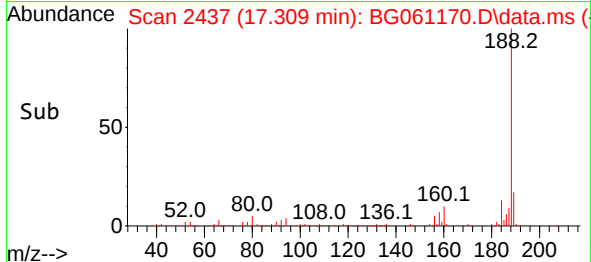
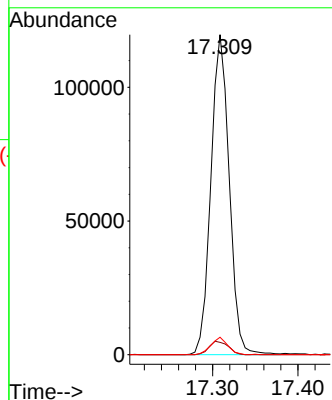
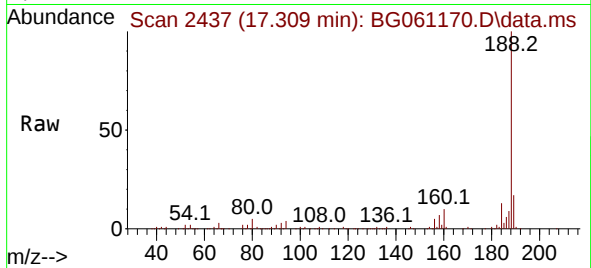




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.309 min Scan# 2441
Delta R.T. -0.024 min
Lab File: BG061170.D
Acq: 10 May 2024 19:43

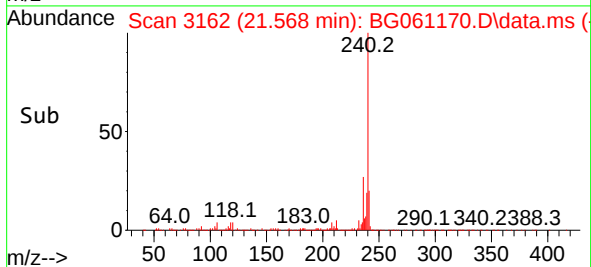
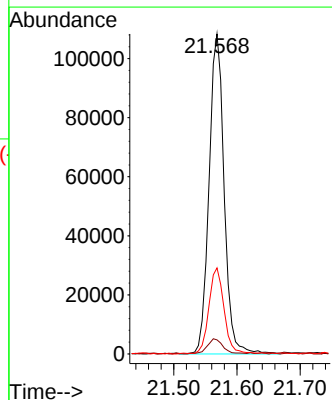
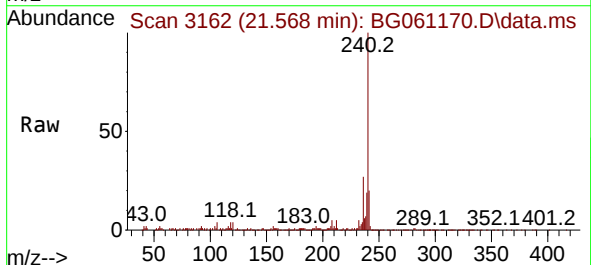
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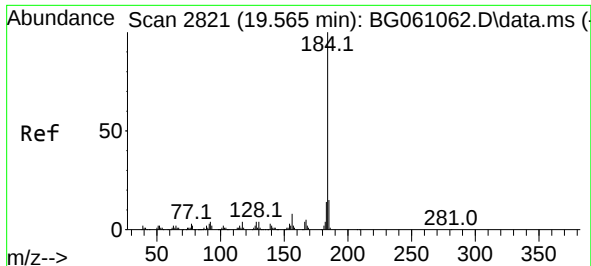
Tgt Ion:188 Resp: 178507
Ion Ratio Lower Upper
188 100
94 3.9 3.6 5.4
80 5.5 4.2 6.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.568 min Scan# 3162
Delta R.T. -0.024 min
Lab File: BG061170.D
Acq: 10 May 2024 19:43

Tgt Ion:240 Resp: 180064
Ion Ratio Lower Upper
240 100
120 4.4 3.2 4.8
236 26.9 21.0 31.6

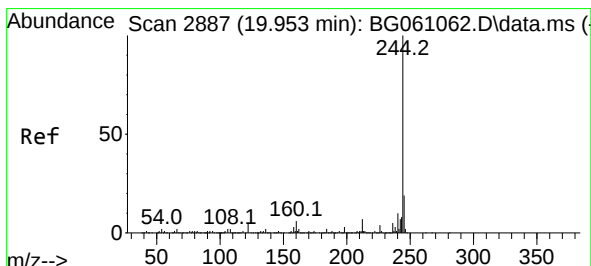
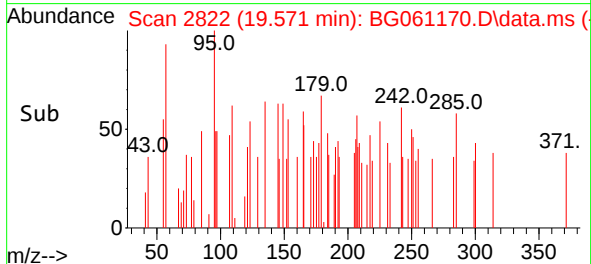
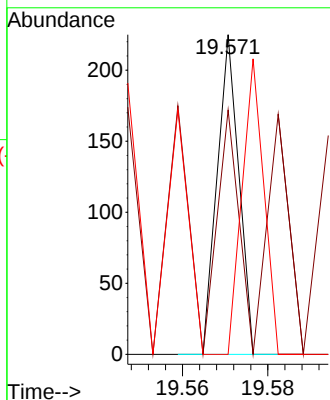
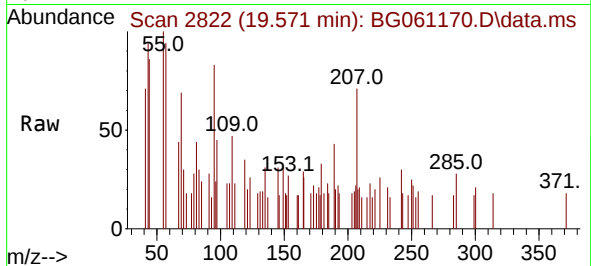




#77
Benzidine
Concen: 2.817 ng
RT: 19.571 min Scan# 2821
Delta R.T. 0.006 min
Lab File: BG061170.D
Acq: 10 May 2024 19:43

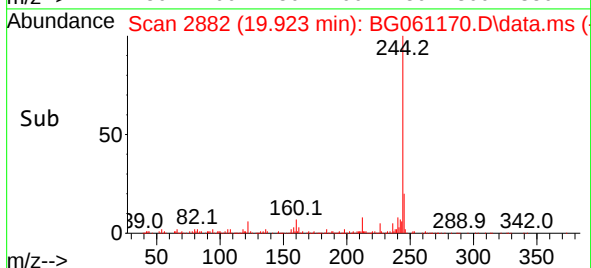
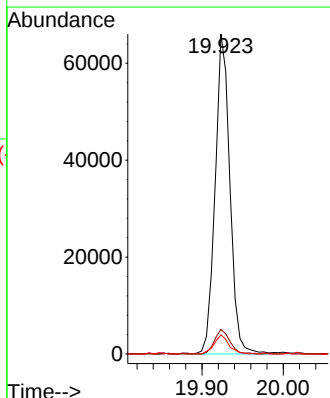
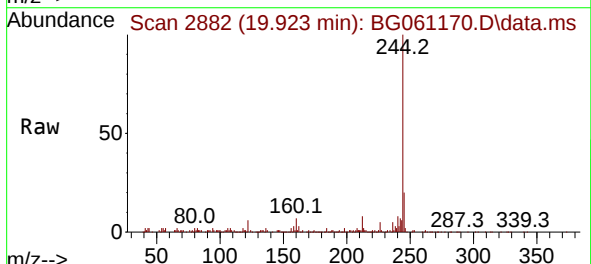
Instrument :
BNA_G
ClientSampleId :
1011UMR-SS002-1224-01

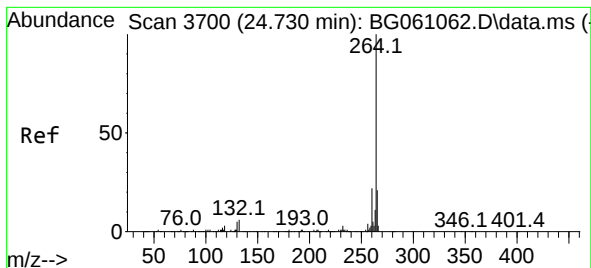
Tgt Ion:184 Resp: 79
Ion Ratio Lower Upper
184 100
185 76.4 12.0 18.0#
183 0.0 10.9 16.3#



#79
Terphenyl-d14
Concen: 7.717 ng
RT: 19.923 min Scan# 2882
Delta R.T. -0.030 min
Lab File: BG061170.D
Acq: 10 May 2024 19:43

Tgt Ion:244 Resp: 83548
Ion Ratio Lower Upper
244 100
212 7.7 5.7 8.5
122 5.9 4.2 6.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.688 min Scan# 30

Delta R.T. -0.042 min

Lab File: BG061170.D

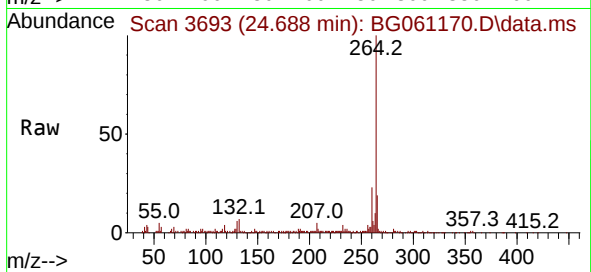
Acq: 10 May 2024 19:43

Instrument :

BNA_G

ClientSampleId :

1011UMR-SS002-1224-01



Tgt Ion:264 Resp: 207391

Ion Ratio Lower Upper

264 100

260 23.3 17.7 26.5

265 19.4 16.4 24.6

