

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050624\
 Data File : BG061124.D
 Acq On : 6 May 2024 17:31
 Operator : MA/JU
 Sample : P2386-01 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-01-050324-A

Quant Time: May 06 18:08:13 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)

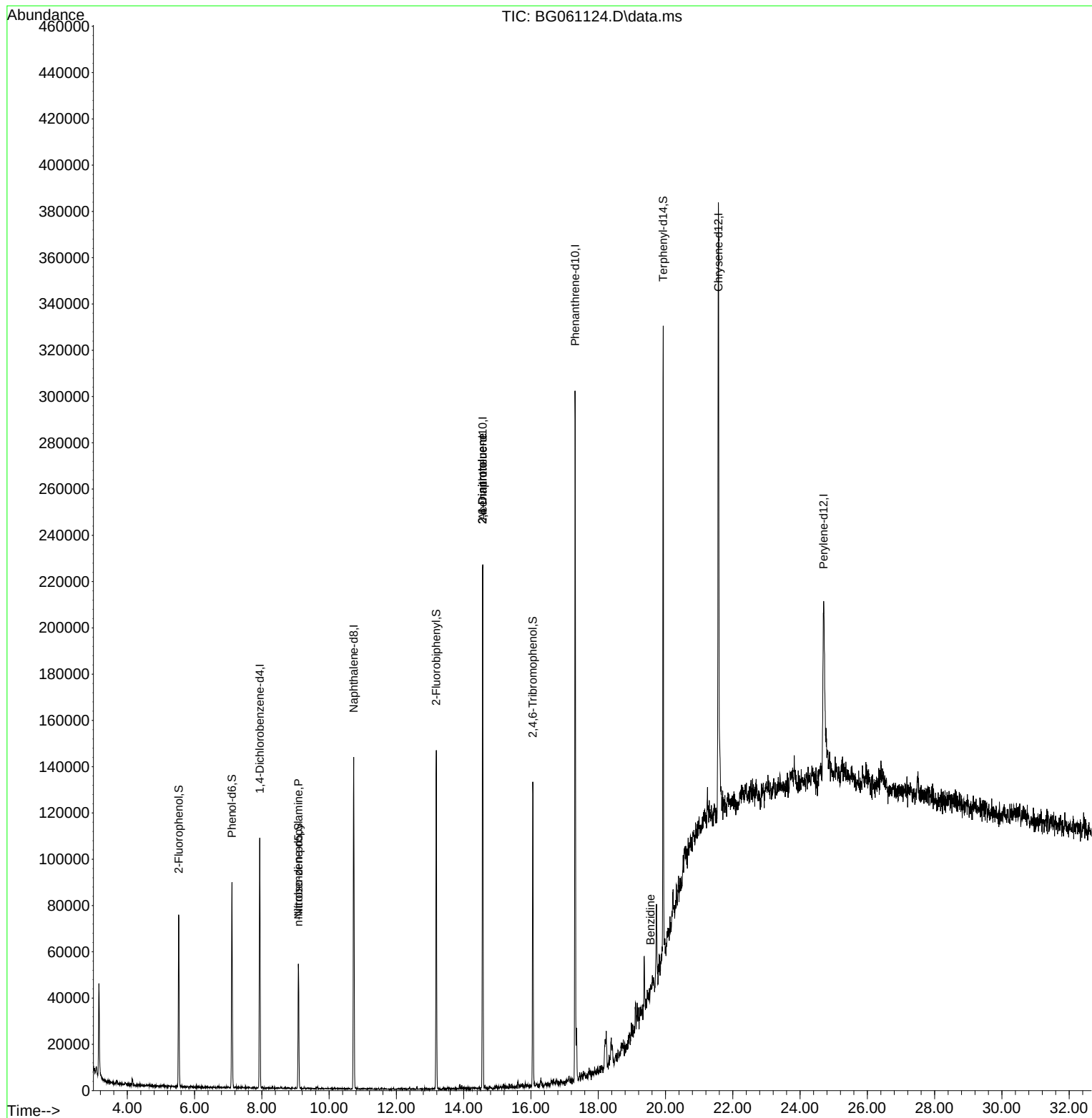
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.940	152	29092	20.000	ng	-0.02
21) Naphthalene-d8	10.731	136	113886	20.000	ng	#-0.03
39) Acenaphthene-d10	14.567	164	87260	20.000	ng	-0.02
64) Phenanthrene-d10	17.311	188	192326	20.000	ng	-0.02
76) Chrysene-d12	21.571	240	185628	20.000	ng	-0.02
86) Perylene-d12	24.697	264	134884	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.531	112	28182	19.701	ng	-0.02
7) Phenol-d6	7.111	99	39428	18.632	ng	-0.02
23) Nitrobenzene-d5	9.086	82	28295	12.316	ng	-0.03
42) 2,4,6-Tribromophenol	16.054	330	29664	17.007	ng	-0.02
45) 2-Fluorobiphenyl	13.187	172	74360	12.601	ng	-0.02
79) Terphenyl-d14	19.932	244	137349	12.306	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.091	70	3912	2.470	ng	# 62
51) 2,6-Dinitrotoluene	14.562	165	10809	7.498	ng	# 18
57) 2,4-Dinitrotoluene	14.562	165	10809	5.068	ng	# 20
77) Benzidine	19.556	184	503	2.930	ng	# 29

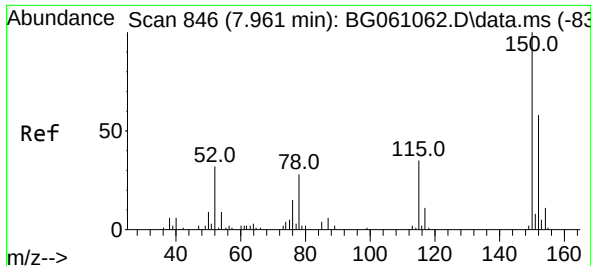
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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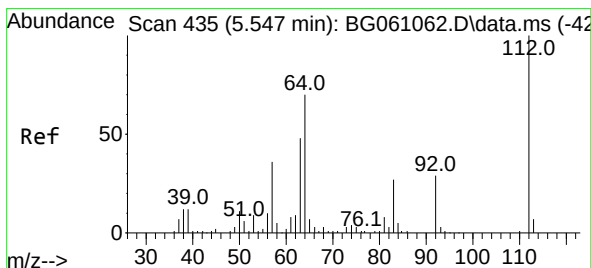
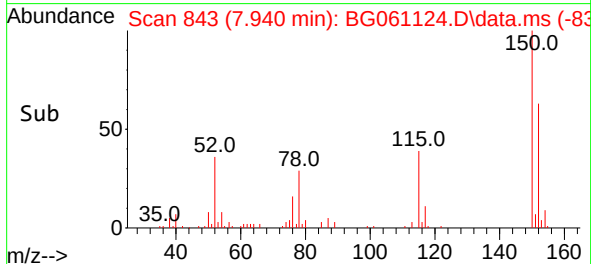
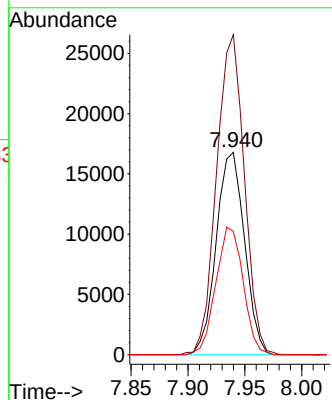
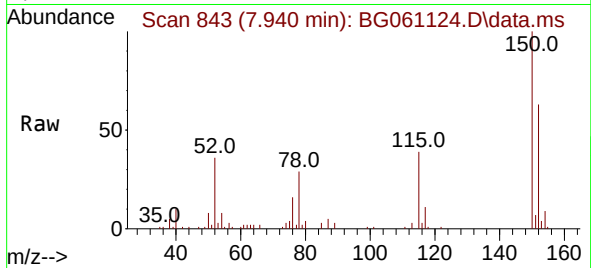




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.940 min Scan# 846
Delta R.T. -0.021 min
Lab File: BG061124.D
Acq: 6 May 2024 17:31

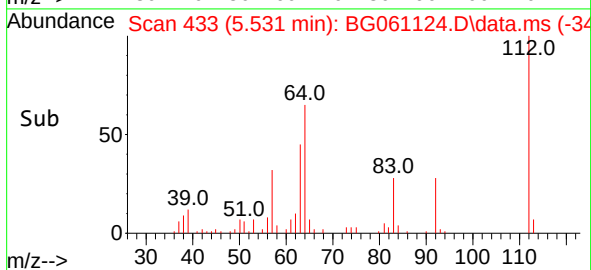
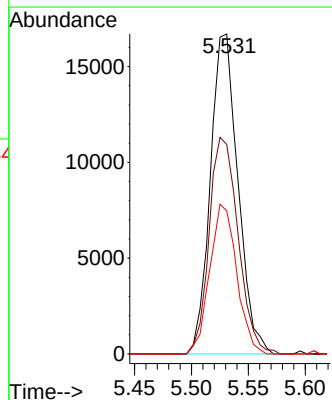
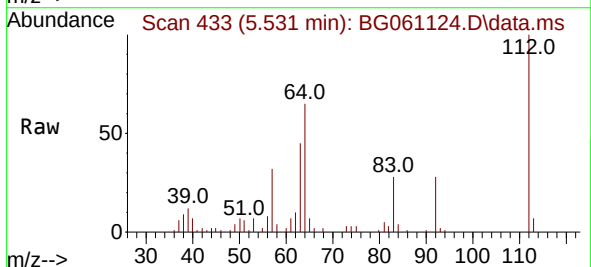
Instrument :
BNA_G
ClientSampleId :
EO-01-050324-A

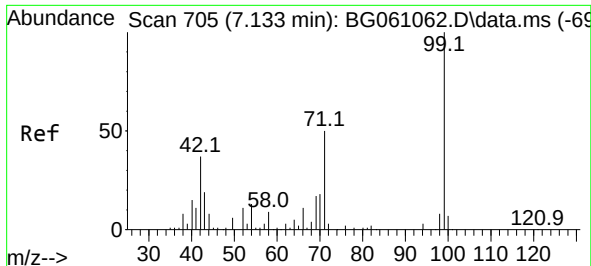
Tgt Ion:152 Resp: 29092
Ion Ratio Lower Upper
152 100
150 158.2 138.3 207.5
115 61.0 48.0 72.0



#5
2-Fluorophenol
Concen: 19.701 ng
RT: 5.531 min Scan# 433
Delta R.T. -0.016 min
Lab File: BG061124.D
Acq: 6 May 2024 17:31

Tgt Ion:112 Resp: 28182
Ion Ratio Lower Upper
112 100
64 65.5 55.7 83.5
63 44.7 38.1 57.1

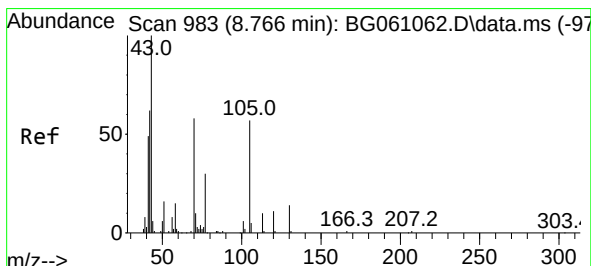
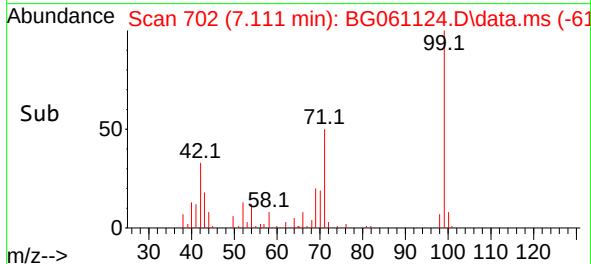
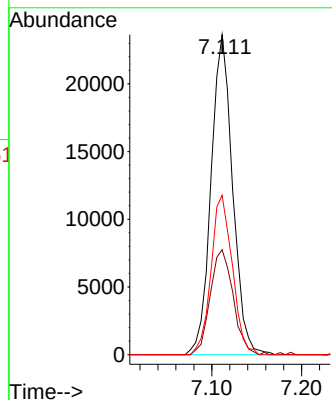
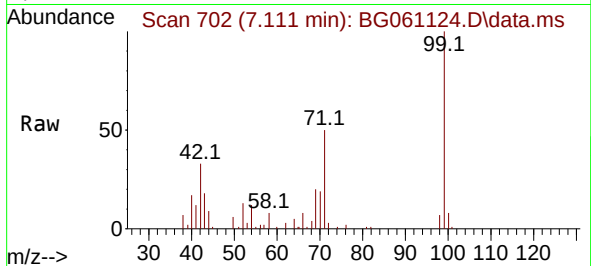




#7
Phenol-d6
Concen: 18.632 ng
RT: 7.111 min Scan# 705
Delta R.T. -0.021 min
Lab File: BG061124.D
Acq: 6 May 2024 17:31

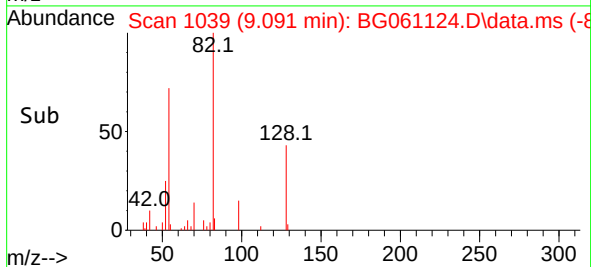
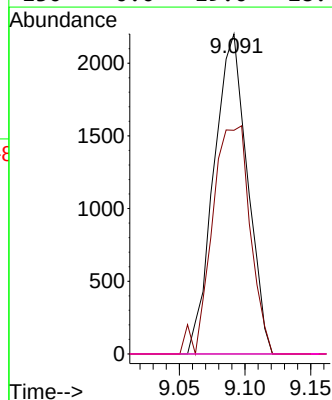
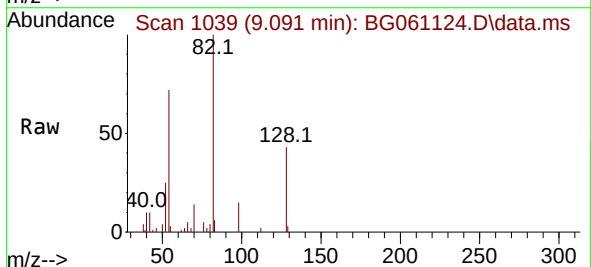
Instrument :
BNA_G
ClientSampleId :
EO-01-050324-A

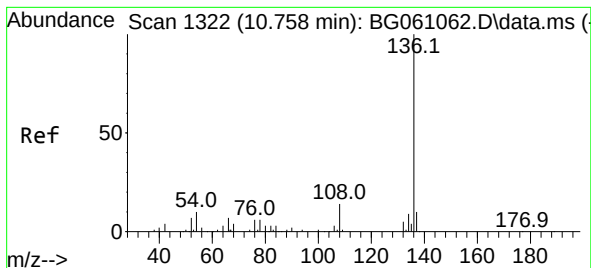
Tgt Ion: 99 Resp: 39428
Ion Ratio Lower Upper
99 100
42 32.8 29.2 43.8
71 49.8 39.7 59.5



#19
n-Nitroso-di-n-propylamine
Concen: 2.470 ng
RT: 9.091 min Scan# 1039
Delta R.T. 0.325 min
Lab File: BG061124.D
Acq: 6 May 2024 17:31

Tgt Ion: 70 Resp: 3912
Ion Ratio Lower Upper
70 100
42 69.9 86.4 129.6#
101 0.0 7.8 11.8#
130 0.0 19.0 28.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.731 min Scan# 11

Delta R.T. -0.027 min

Lab File: BG061124.D

Acq: 6 May 2024 17:31

Instrument :

BNA_G

ClientSampleId :

EO-01-050324-A

Tgt Ion:136 Resp: 113886

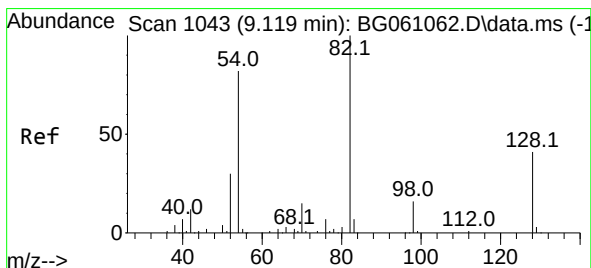
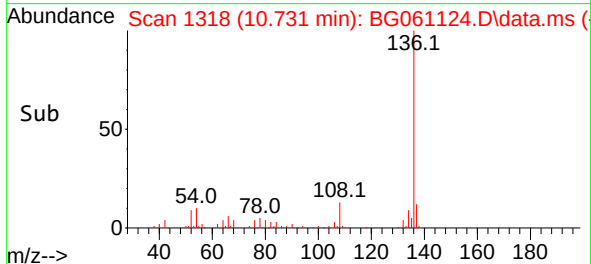
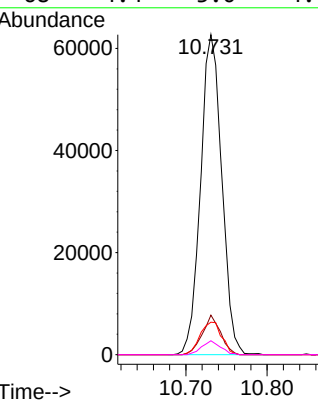
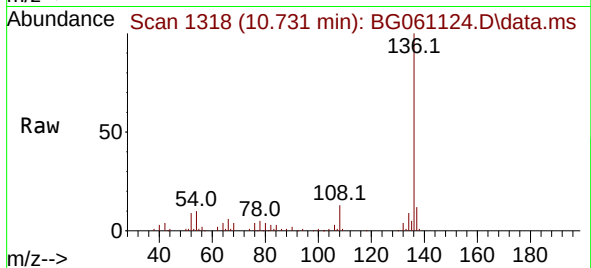
Ion Ratio Lower Upper

136 100

137 12.3 7.8 11.6#

54 10.2 8.1 12.1

68 4.4 3.0 4.4



#23

Nitrobenzene-d5

Concen: 12.316 ng

RT: 9.086 min Scan# 1038

Delta R.T. -0.033 min

Lab File: BG061124.D

Acq: 6 May 2024 17:31

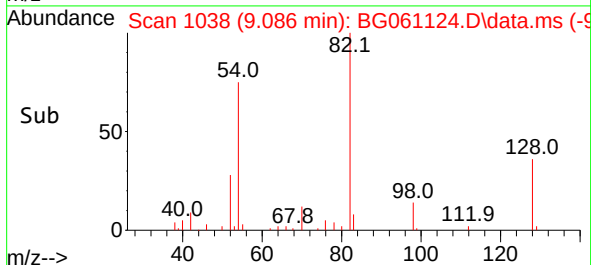
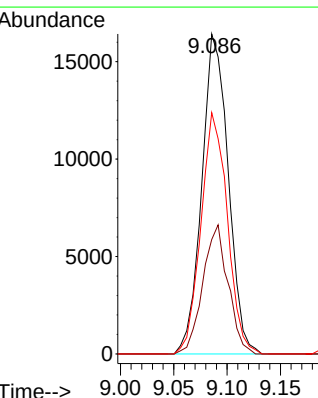
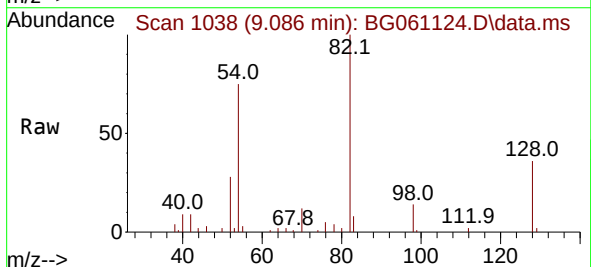
Tgt Ion: 82 Resp: 28295

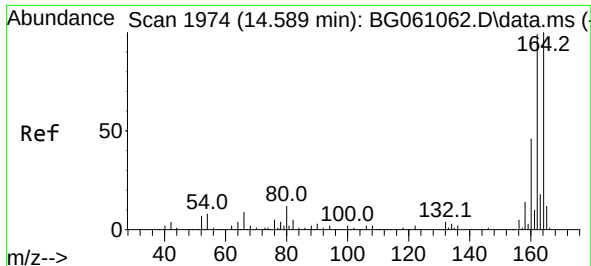
Ion Ratio Lower Upper

82 100

128 35.8 32.7 49.1

54 75.4 65.6 98.4

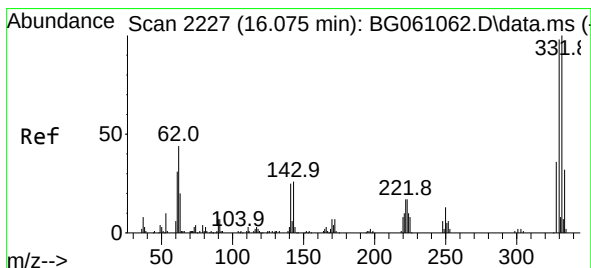
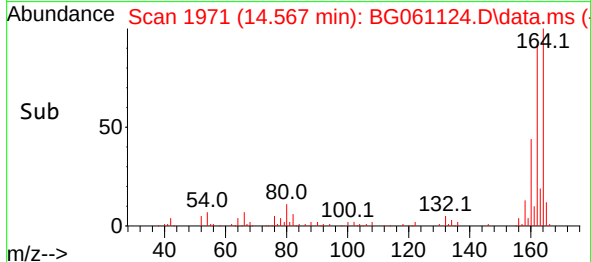
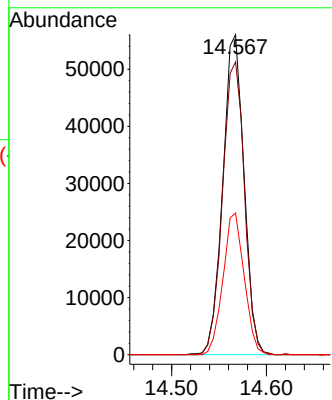
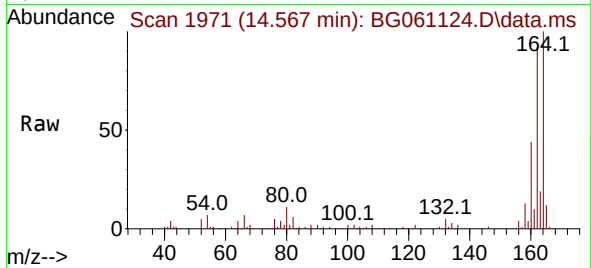




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.567 min Scan# 1971
Delta R.T. -0.021 min
Lab File: BG061124.D
Acq: 6 May 2024 17:31

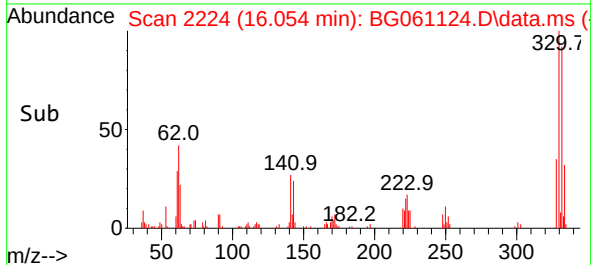
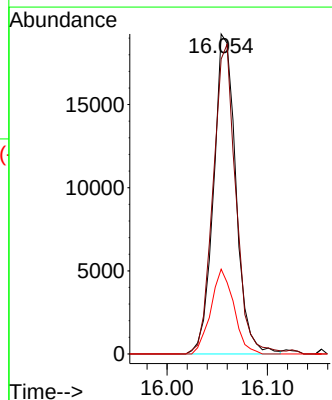
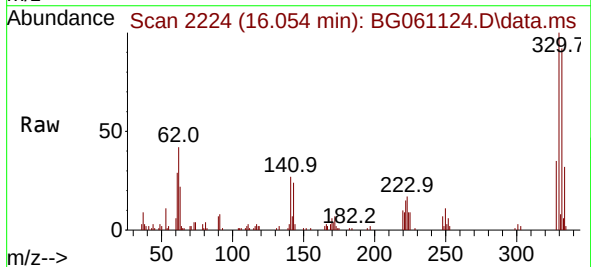
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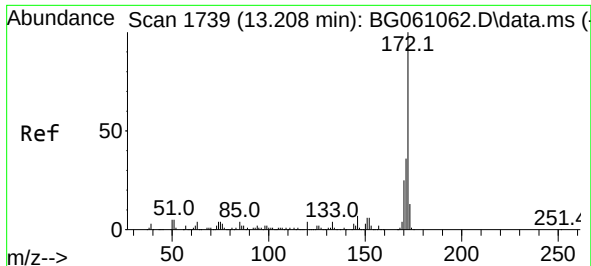
Tgt Ion:164 Resp: 87260
Ion Ratio Lower Upper
164 100
162 91.5 79.4 119.2
160 44.3 37.0 55.6



#42
2,4,6-Tribromophenol
Concen: 17.007 ng
RT: 16.054 min Scan# 2224
Delta R.T. -0.021 min
Lab File: BG061124.D
Acq: 6 May 2024 17:31

Tgt Ion:330 Resp: 29664
Ion Ratio Lower Upper
330 100
332 99.3 78.6 117.8
141 27.3 20.5 30.7

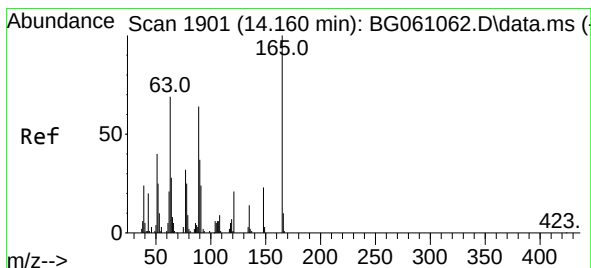
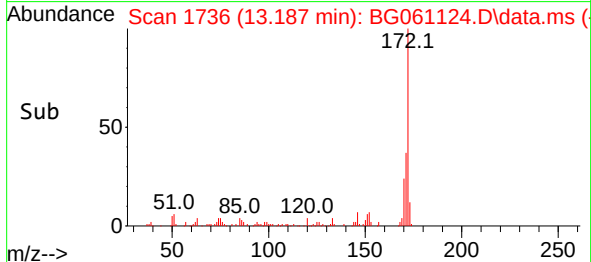
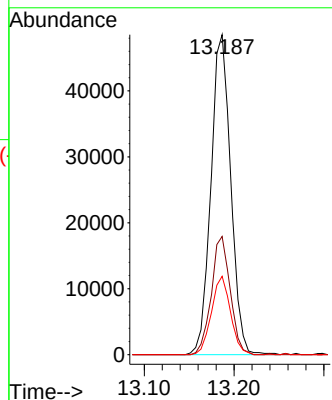
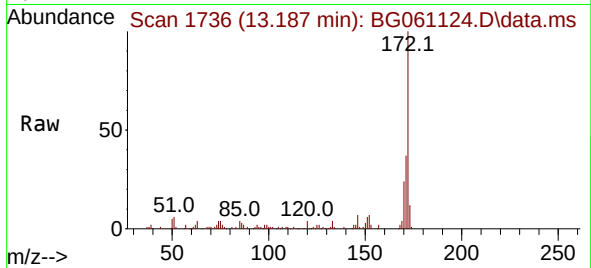




#45
2-Fluorobiphenyl
Concen: 12.601 ng
RT: 13.187 min Scan# 1
Delta R.T. -0.021 min
Lab File: BG061124.D
Acq: 6 May 2024 17:31

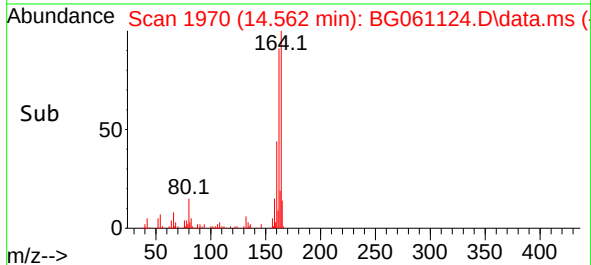
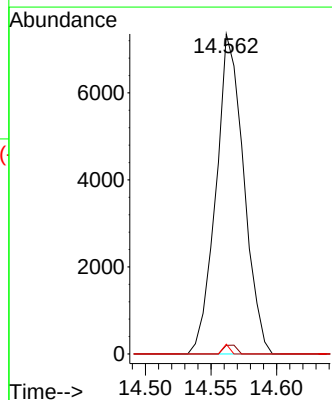
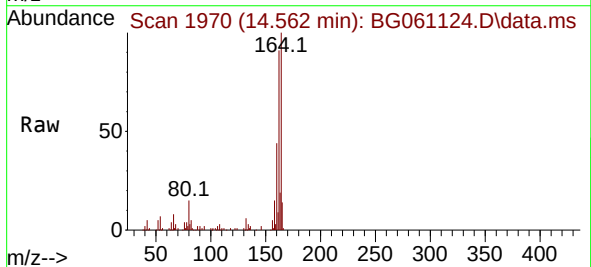
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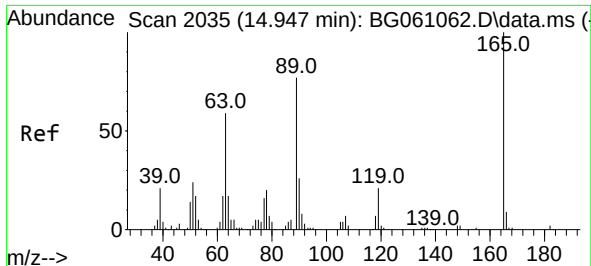
Tgt Ion:172 Resp: 74360
Ion Ratio Lower Upper
172 100
171 36.9 29.0 43.6
170 24.5 20.2 30.4



#51
2,6-Dinitrotoluene
Concen: 7.498 ng
RT: 14.562 min Scan# 1970
Delta R.T. 0.402 min
Lab File: BG061124.D
Acq: 6 May 2024 17:31

Tgt Ion:165 Resp: 10809
Ion Ratio Lower Upper
165 100
63 2.7 60.0 90.0#
89 3.0 50.9 76.3#





#57

2,4-Dinitrotoluene

Concen: 5.068 ng

RT: 14.562 min Scan# 14

Delta R.T. -0.386 min

Lab File: BG061124.D

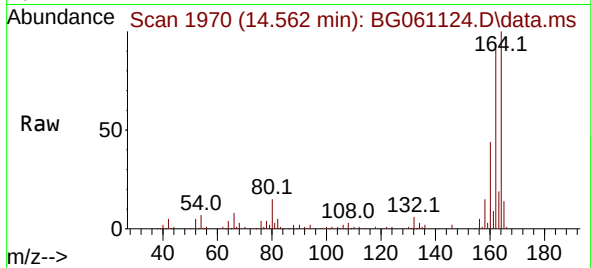
Acq: 6 May 2024 17:31

Instrument :

BNA_G

ClientSampleId :

EO-01-050324-A



Tgt Ion:165 Resp: 10809

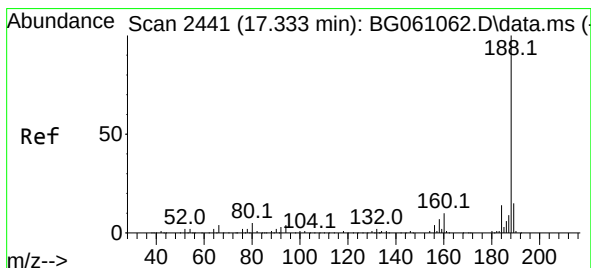
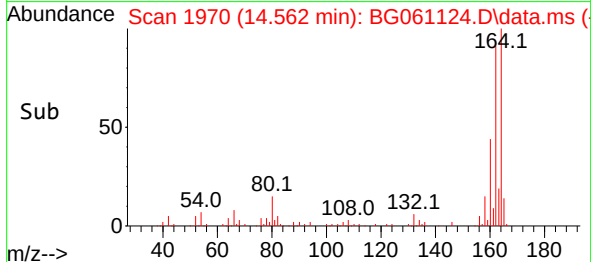
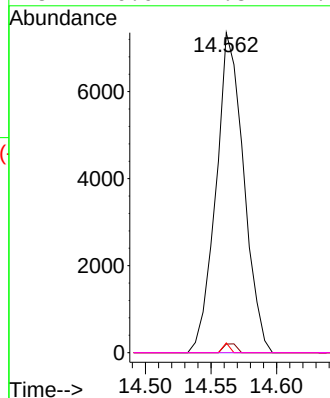
Ion Ratio Lower Upper

165 100

63 2.7 47.3 70.9#

89 3.0 61.8 92.8#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.311 min Scan# 2438

Delta R.T. -0.021 min

Lab File: BG061124.D

Acq: 6 May 2024 17:31

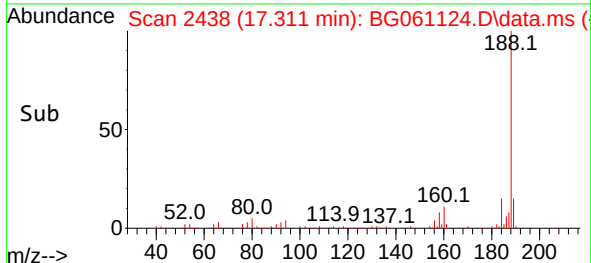
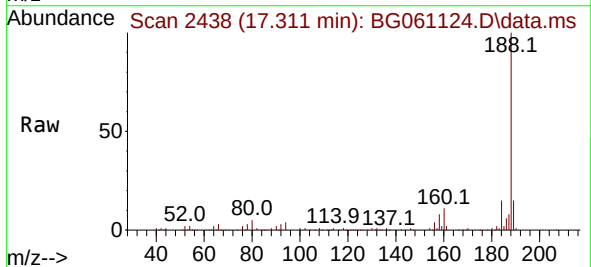
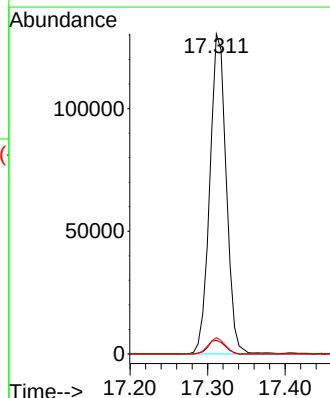
Tgt Ion:188 Resp: 192326

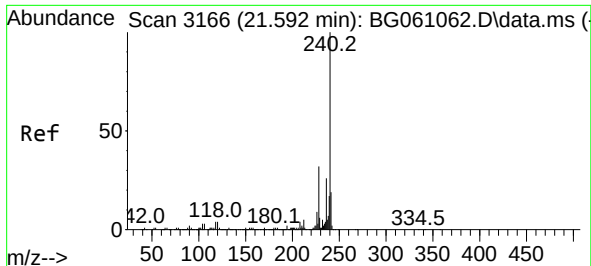
Ion Ratio Lower Upper

188 100

94 4.2 3.6 5.4

80 5.1 4.2 6.2

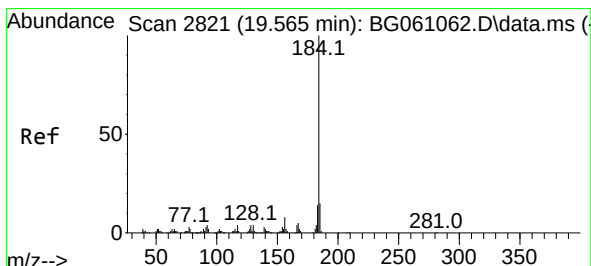
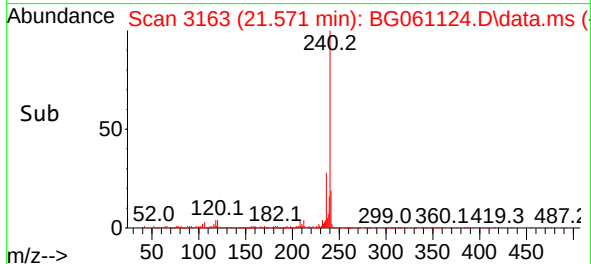
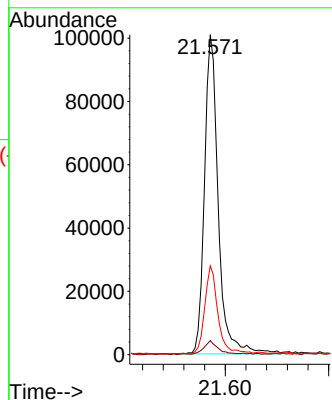
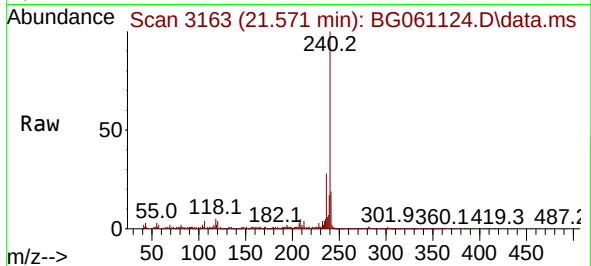




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.571 min Scan# 3163
Delta R.T. -0.021 min
Lab File: BG061124.D
Acq: 6 May 2024 17:31

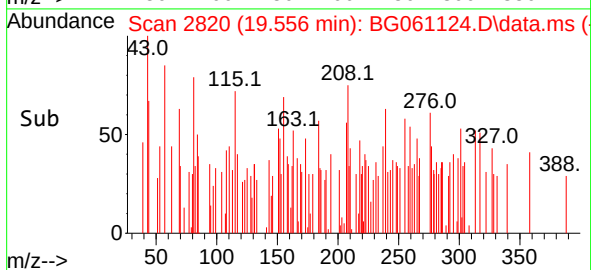
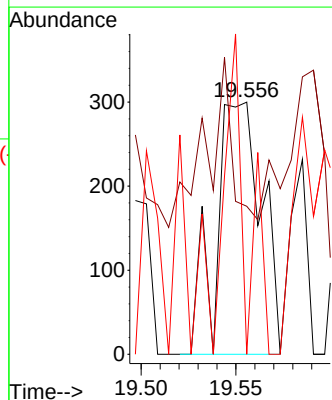
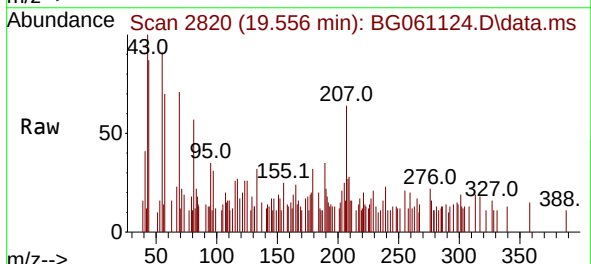
Instrument :
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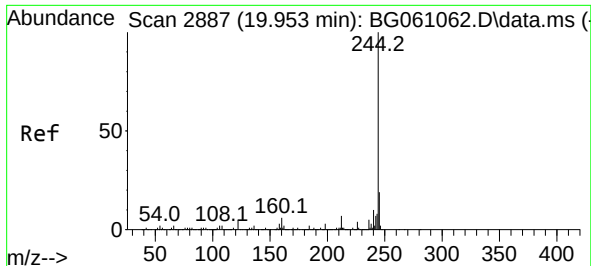
Tgt Ion:240 Resp: 185628
Ion Ratio Lower Upper
240 100
120 4.4 3.2 4.8
236 27.7 21.0 31.6



#77
Benzidine
Concen: 2.930 ng
RT: 19.556 min Scan# 2820
Delta R.T. -0.009 min
Lab File: BG061124.D
Acq: 6 May 2024 17:31

Tgt Ion:184 Resp: 503
Ion Ratio Lower Upper
184 100
185 58.7 12.0 18.0#
183 0.0 10.9 16.3#

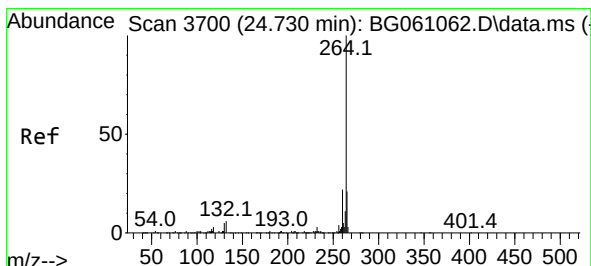
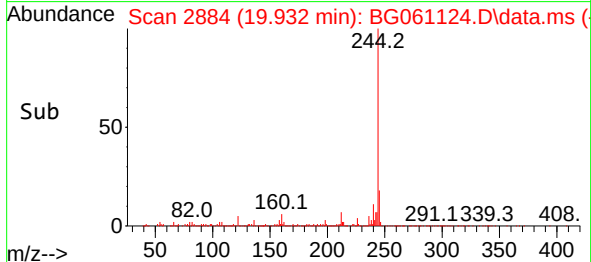
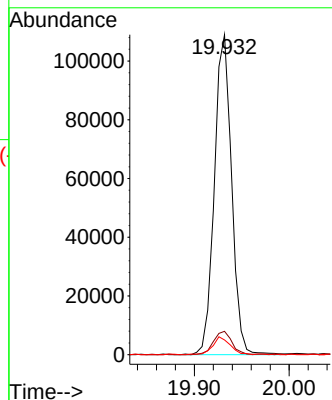
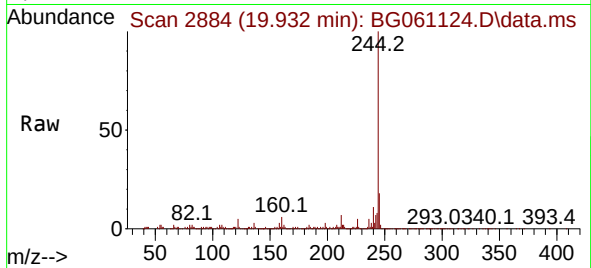




#79
 Terphenyl-d14
 Concen: 12.306 ng
 RT: 19.932 min Scan# 21
 Delta R.T. -0.021 min
 Lab File: BG061124.D
 Acq: 6 May 2024 17:31

Instrument :
 BNA_G
 ClientSampleId :
 EO-01-050324-A

Tgt Ion:244 Resp: 137349
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.7 8.5
 122 4.6 4.2 6.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.697 min Scan# 3695
 Delta R.T. -0.033 min
 Lab File: BG061124.D
 Acq: 6 May 2024 17:31

Tgt Ion:264 Resp: 134884
 Ion Ratio Lower Upper
 264 100
 260 22.1 17.7 26.5
 265 20.7 16.4 24.6

