

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122822\
 Data File : BG056145.D
 Acq On : 28 Dec 2022 18:30
 Operator : CG/JU
 Sample : N6219-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-12016

Quant Time: Dec 29 03:39:27 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 28 05:20:14 2022
 Response via : Initial Calibration

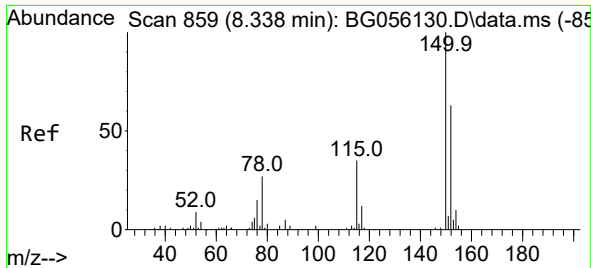
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.337	152	43572	20.000	ng	0.00
21) Naphthalene-d8	11.169	136	152139	20.000	ng	# 0.00
39) Acenaphthene-d10	14.941	164	124532	20.000	ng	0.00
64) Phenanthrene-d10	17.679	188	346049	20.000	ng	0.00
76) Chrysene-d12	21.968	240	378500	20.000	ng	# 0.00
86) Perylene-d12	25.423	264	398936	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.857	112	358855	147.052	ng	0.00
7) Phenol-d6	7.467	99	464486	123.941	ng	0.00
23) Nitrobenzene-d5	9.506	82	283948	95.468	ng	0.00
42) 2,4,6-Tribromophenol	16.421	330	253068	160.456	ng	0.00
45) 2-Fluorobiphenyl	13.572	172	870156	96.489	ng	0.00
79) Terphenyl-d14	20.252	244	2079012	98.378	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.384	88	4954	4.444	ng	# 1
19) n-Nitroso-di-n-propyla...	9.506	70	35407	15.537	ng	# 72
51) 2,6-Dinitrotoluene	14.941	165	16693	7.793	ng	# 32
57) 2,4-Dinitrotoluene	14.941	165	16693	5.572	ng	# 29
67) 4-Bromophenyl-phenylether	16.421	248	21245	4.821	ng	# 1
77) Benzidine	20.252	184	30363	2.289	ng	# 95

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

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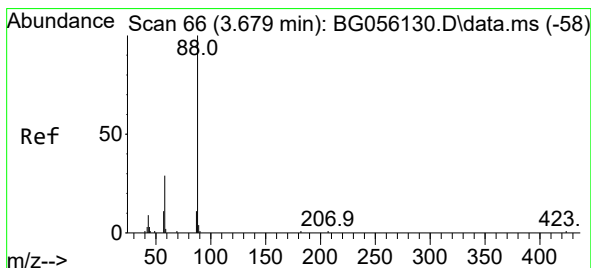
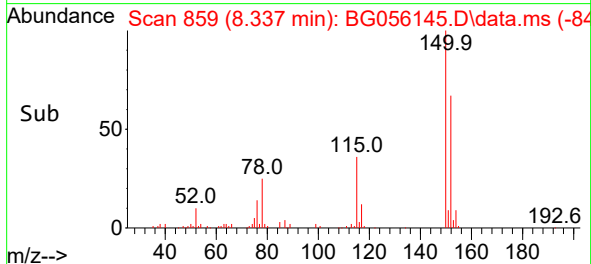
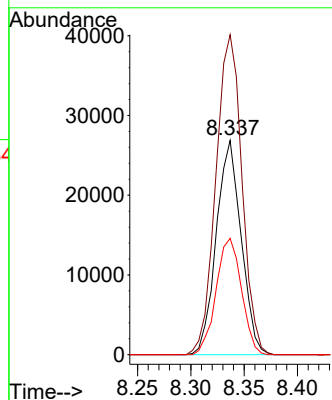
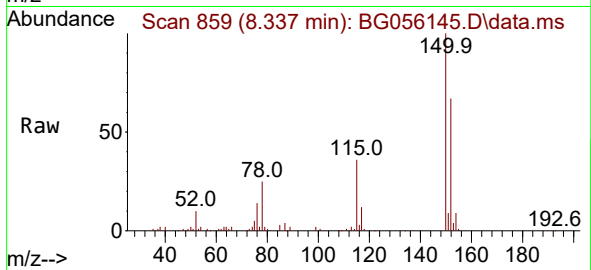




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.337 min Scan# 8
 Delta R.T. -0.001 min
 Lab File: BG056145.D
 Acq: 28 Dec 2022 18:30

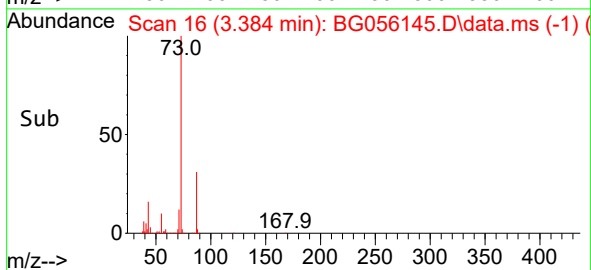
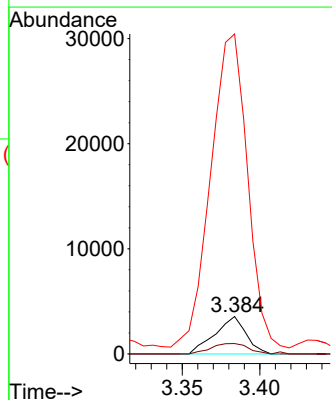
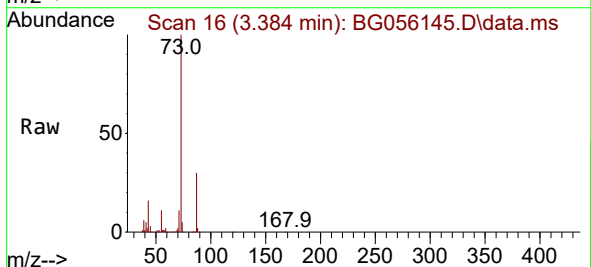
Instrument :
 BNA_G
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 72-12016

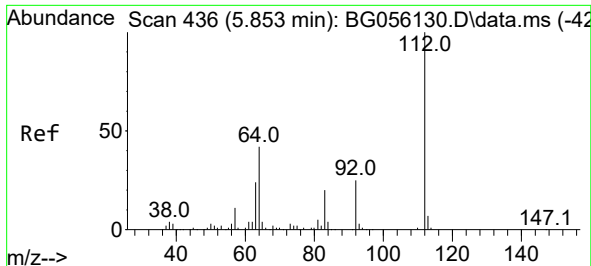
Tgt Ion:152 Resp: 43572
 Ion Ratio Lower Upper
 152 100
 150 149.3 127.9 191.9
 115 54.3 44.2 66.2



#2
 1,4-Dioxane
 Concen: 4.444 ng
 RT: 3.384 min Scan# 16
 Delta R.T. -0.295 min
 Lab File: BG056145.D
 Acq: 28 Dec 2022 18:30

Tgt Ion: 88 Resp: 4954
 Ion Ratio Lower Upper
 88 100
 58 33.5 21.4 32.0#
 43 990.2 7.1 10.7#

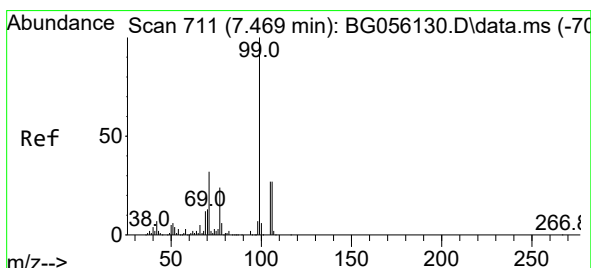
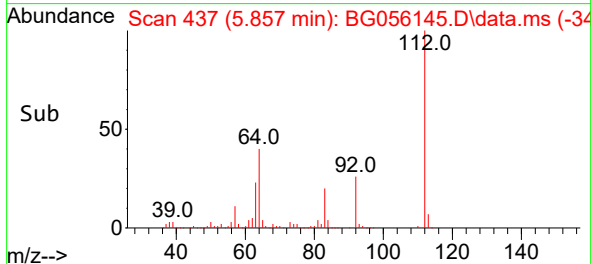
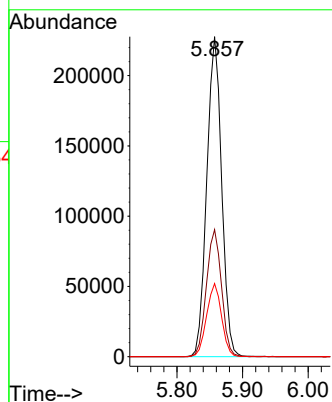
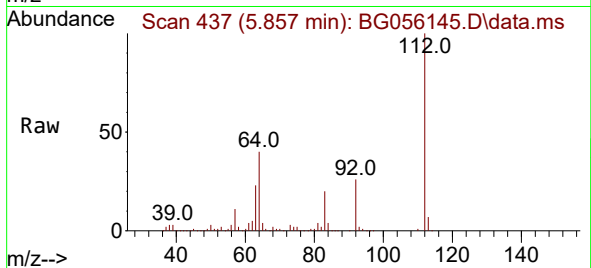




#5
2-Fluorophenol
Concen: 147.052 ng
RT: 5.857 min Scan# 41
Delta R.T. 0.004 min
Lab File: BG056145.D
Acq: 28 Dec 2022 18:30

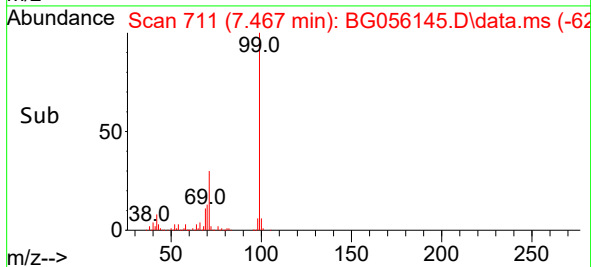
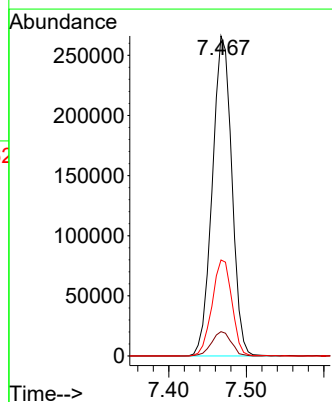
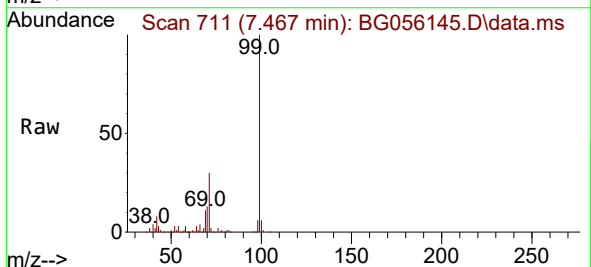
Instrument :
BNA_G
ClientSampleId :
72-12016

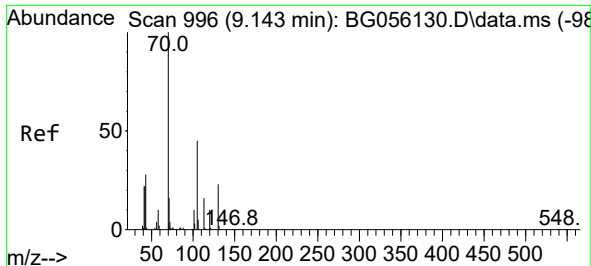
Tgt Ion:112 Resp: 358855
Ion Ratio Lower Upper
112 100
64 39.7 33.3 49.9
63 22.8 19.0 28.4



#7
Phenol-d6
Concen: 123.941 ng
RT: 7.467 min Scan# 711
Delta R.T. -0.001 min
Lab File: BG056145.D
Acq: 28 Dec 2022 18:30

Tgt Ion: 99 Resp: 464486
Ion Ratio Lower Upper
99 100
42 7.6 5.9 8.9
71 30.0 25.4 38.2

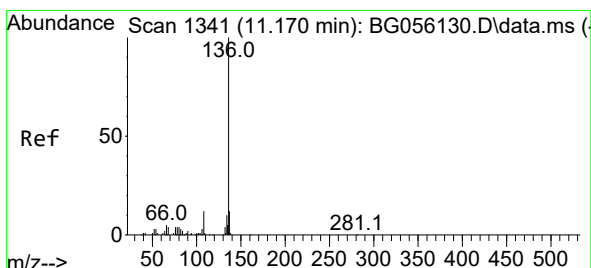
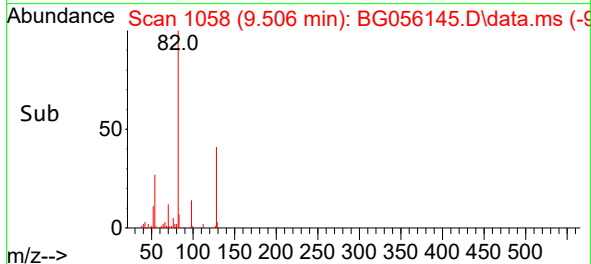
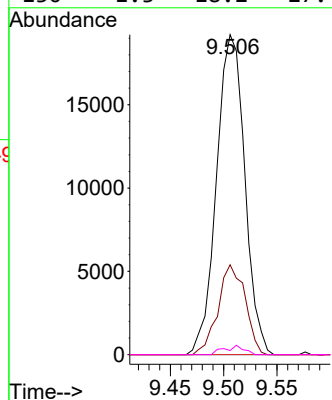
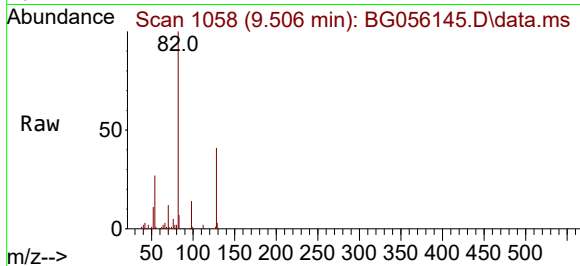




#19
n-Nitroso-di-n-propylamine
Concen: 15.537 ng
RT: 9.506 min Scan# 1058
Delta R.T. 0.363 min
Lab File: BG056145.D
Acq: 28 Dec 2022 18:30

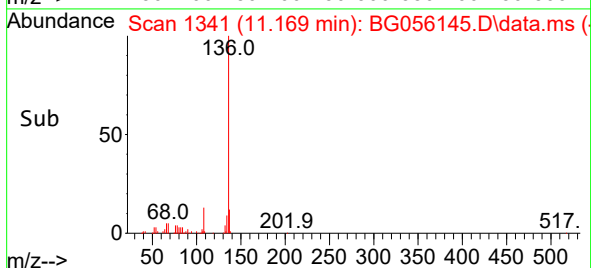
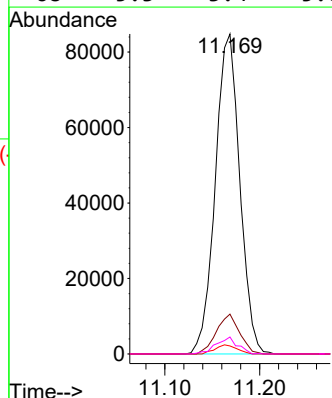
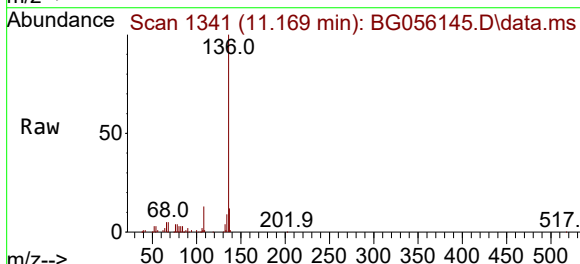
Instrument :
BNA_G
ClientSampleId :
72-12016

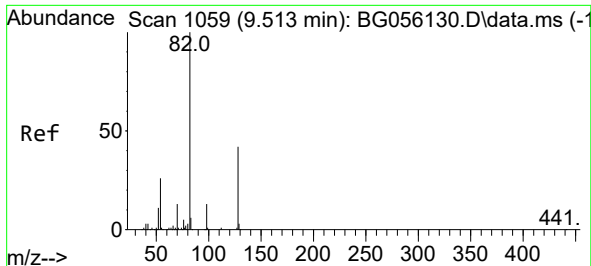
Tgt Ion: 70 Resp: 35407
Ion Ratio Lower Upper
70 100
42 28.1 18.2 27.2#
101 0.0 8.3 12.5#
130 1.3 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.169 min Scan# 1341
Delta R.T. -0.001 min
Lab File: BG056145.D
Acq: 28 Dec 2022 18:30

Tgt Ion:136 Resp: 152139
Ion Ratio Lower Upper
136 100
137 12.4 9.4 14.0
54 2.5 2.2 3.2
68 5.3 3.4 5.0#

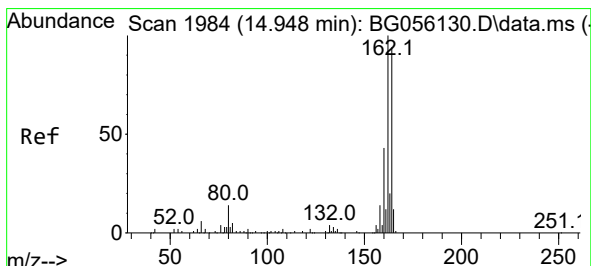
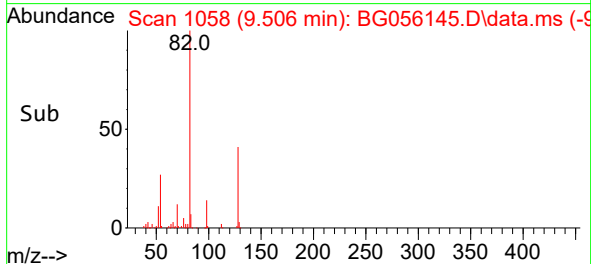
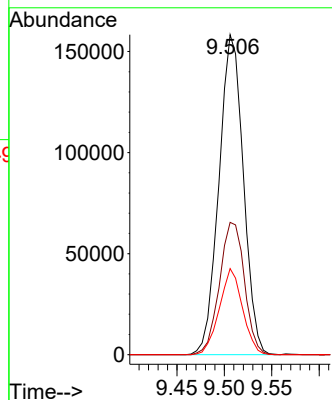
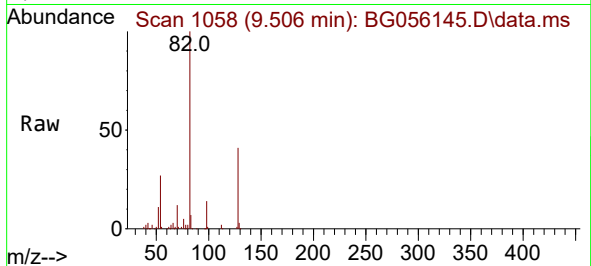




#23
Nitrobenzene-d5
Concen: 95.468 ng
RT: 9.506 min Scan# 1058
Delta R.T. -0.007 min
Lab File: BG056145.D
Acq: 28 Dec 2022 18:30

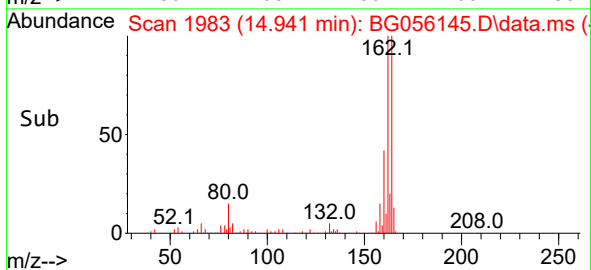
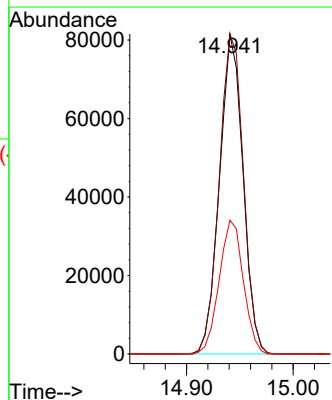
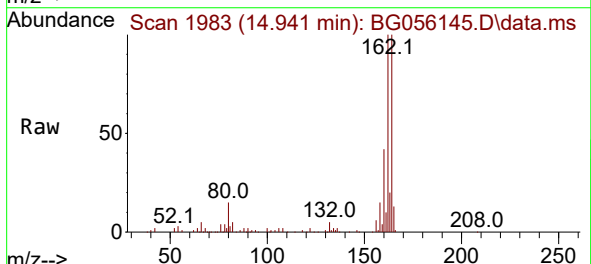
Instrument :
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ClientSampleId :
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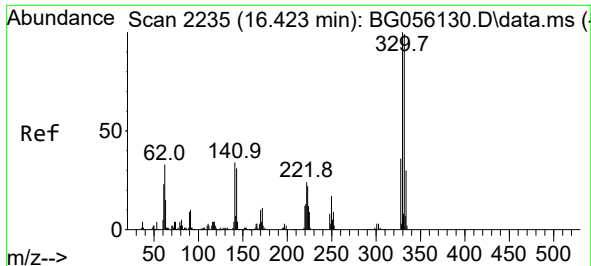
Tgt Ion: 82 Resp: 283948
Ion Ratio Lower Upper
82 100
128 41.4 33.4 50.2
54 26.9 20.3 30.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.941 min Scan# 1983
Delta R.T. -0.007 min
Lab File: BG056145.D
Acq: 28 Dec 2022 18:30

Tgt Ion:164 Resp: 124532
Ion Ratio Lower Upper
164 100
162 100.2 84.7 127.1
160 41.9 36.3 54.5

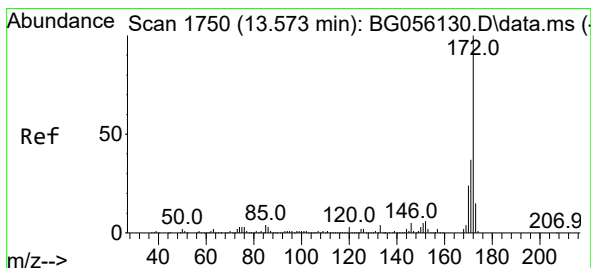
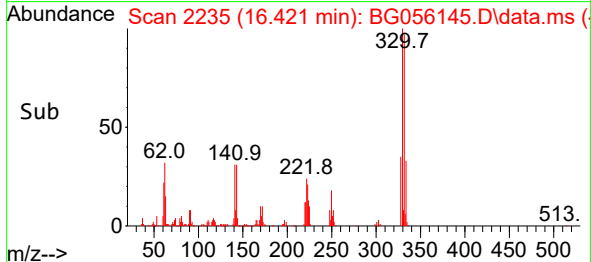
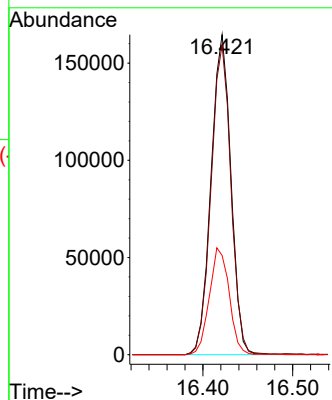
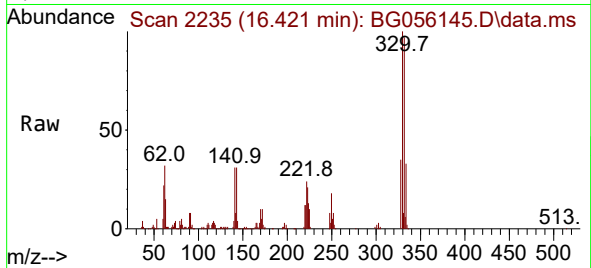




#42
2,4,6-Tribromophenol
Concen: 160.456 ng
RT: 16.421 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG056145.D
Acq: 28 Dec 2022 18:30

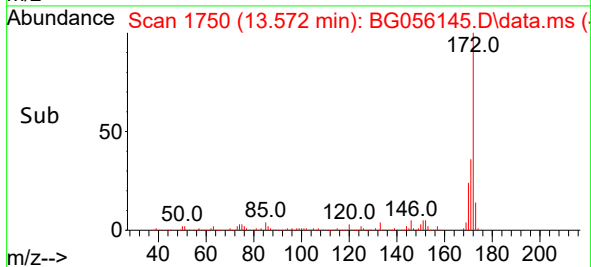
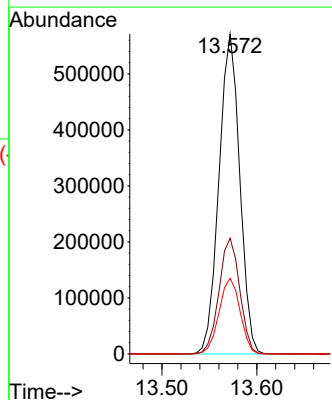
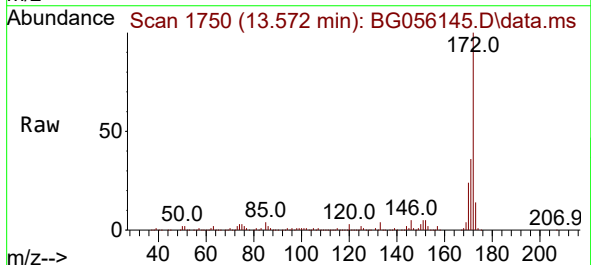
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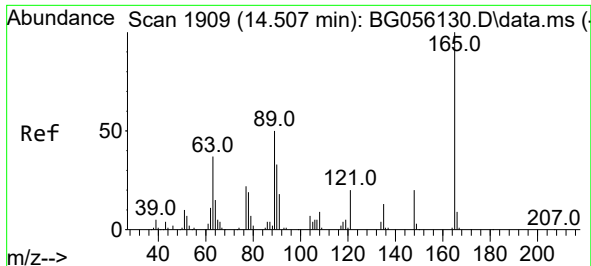
Tgt Ion:330 Resp: 253068
Ion Ratio Lower Upper
330 100
332 96.4 77.3 115.9
141 33.4 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 96.489 ng
RT: 13.572 min Scan# 1750
Delta R.T. -0.001 min
Lab File: BG056145.D
Acq: 28 Dec 2022 18:30

Tgt Ion:172 Resp: 870156
Ion Ratio Lower Upper
172 100
171 36.1 29.6 44.4
170 23.7 19.4 29.2

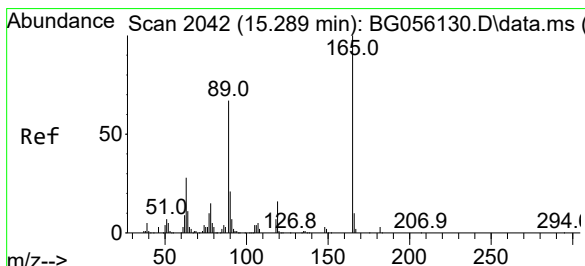
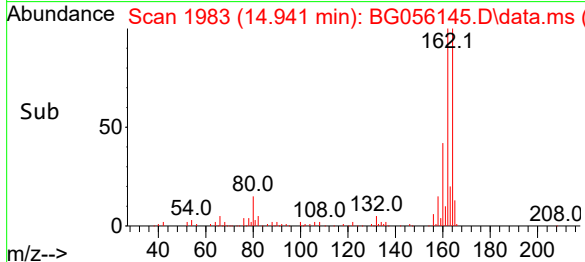
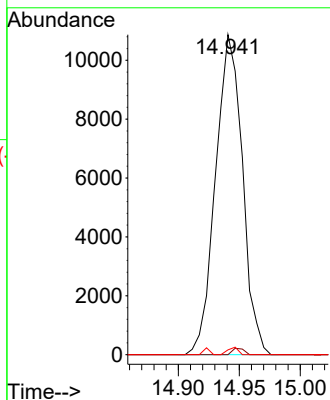
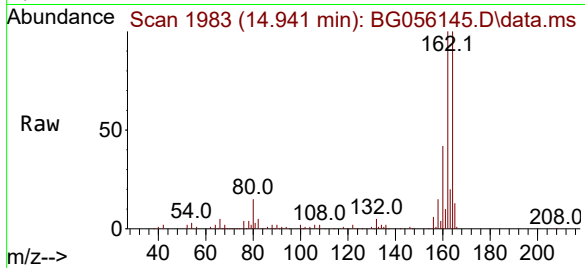




#51
2,6-Dinitrotoluene
Concen: 7.793 ng
RT: 14.941 min Scan# 1909
Delta R.T. 0.433 min
Lab File: BG056145.D
Acq: 28 Dec 2022 18:30

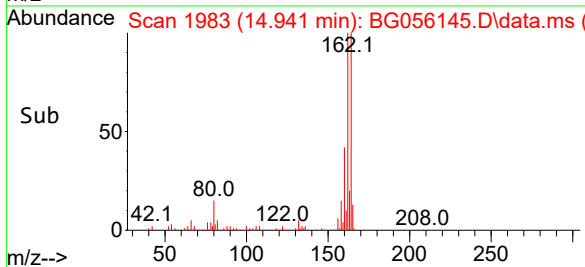
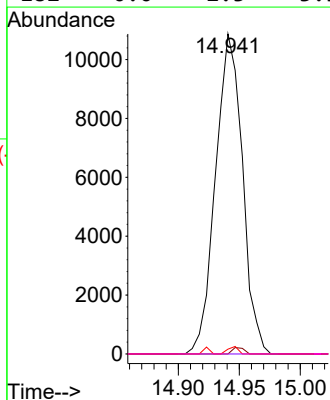
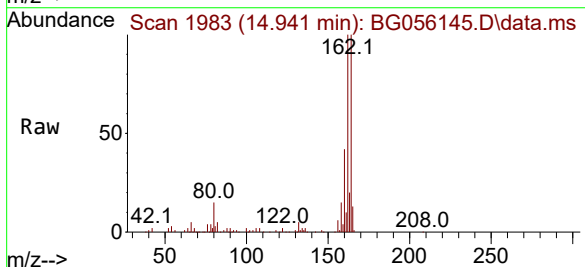
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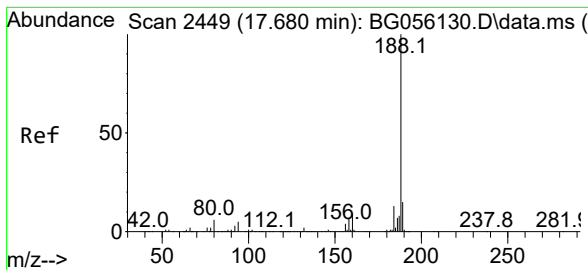
Tgt Ion:165 Resp: 16693
Ion Ratio Lower Upper
165 100
63 0.0 32.2 48.2#
89 1.5 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 5.572 ng
RT: 14.941 min Scan# 1983
Delta R.T. -0.348 min
Lab File: BG056145.D
Acq: 28 Dec 2022 18:30

Tgt Ion:165 Resp: 16693
Ion Ratio Lower Upper
165 100
63 0.0 22.6 34.0#
89 1.5 53.2 79.8#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.679 min Scan# 2449

Delta R.T. -0.001 min

Lab File: BG056145.D

Acq: 28 Dec 2022 18:30

Instrument :

BNA_G

ClientSampleId :

72-12016

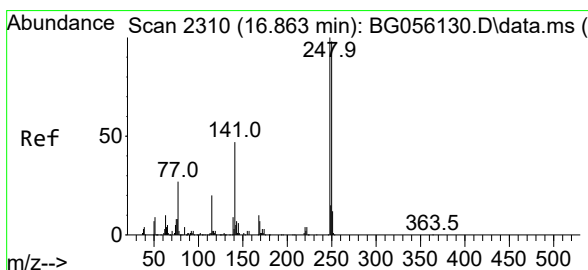
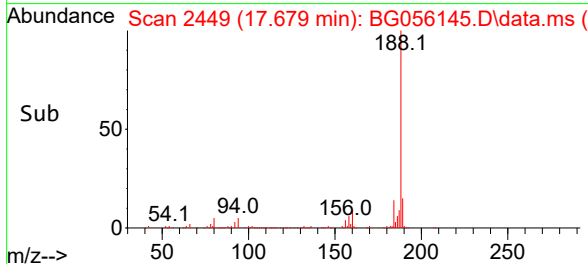
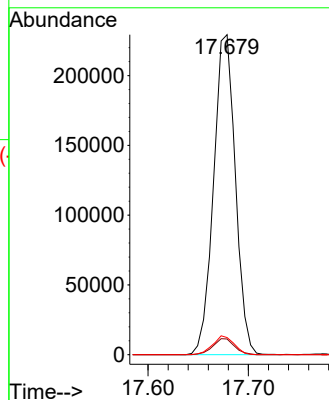
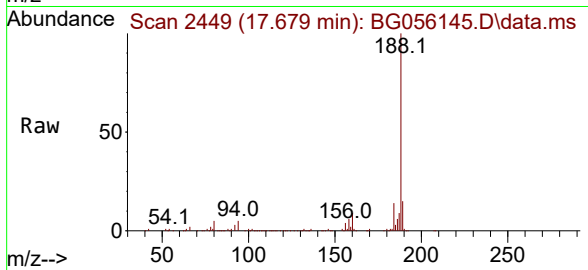
Tgt Ion:188 Resp: 346049

Ion Ratio Lower Upper

188 100

94 4.9 4.2 6.2

80 5.3 5.0 7.4



#67

4-Bromophenyl-phenylether

Concen: 4.821 ng

RT: 16.421 min Scan# 2235

Delta R.T. -0.442 min

Lab File: BG056145.D

Acq: 28 Dec 2022 18:30

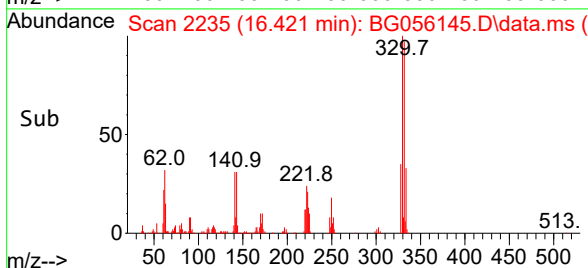
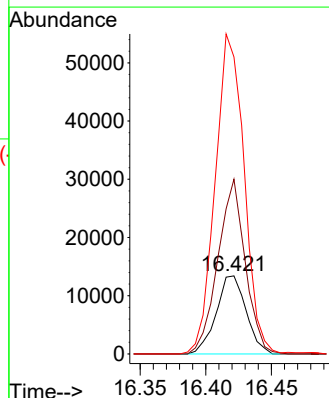
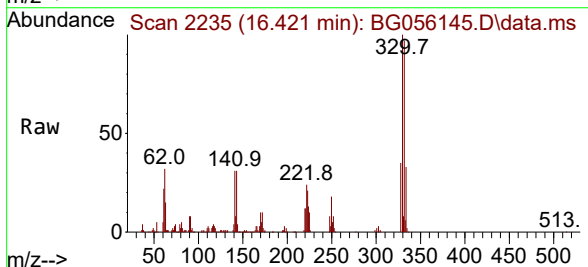
Tgt Ion:248 Resp: 21245

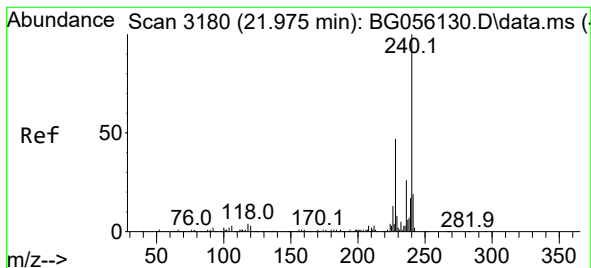
Ion Ratio Lower Upper

248 100

250 223.9 78.2 117.4#

141 380.5 37.6 56.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.968 min Scan# 31

Delta R.T. -0.007 min

Lab File: BG056145.D

Acq: 28 Dec 2022 18:30

Instrument :

BNA_G

ClientSampleId :

72-12016

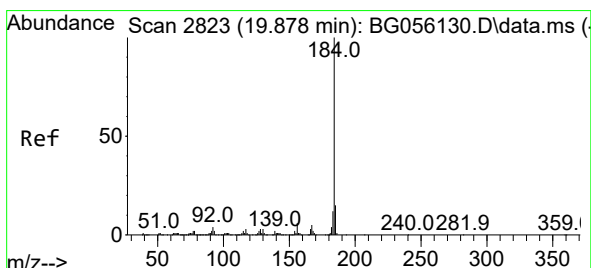
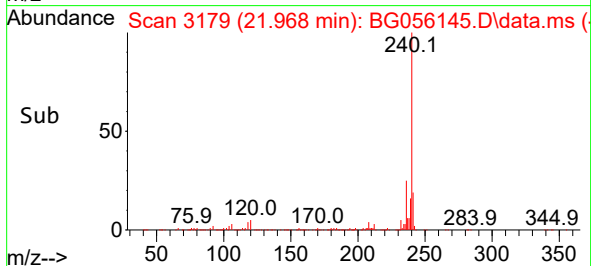
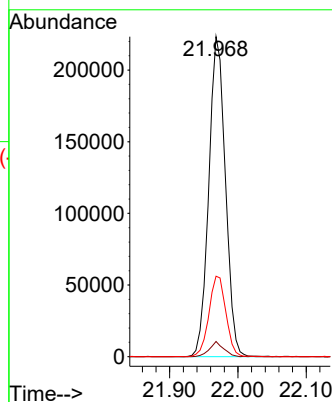
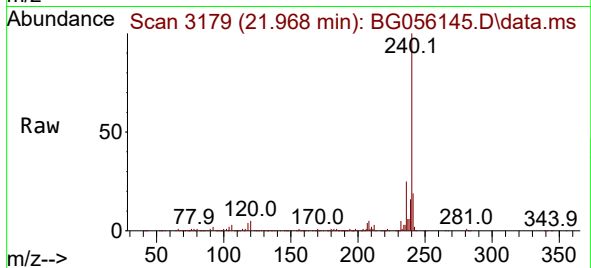
Tgt Ion:240 Resp: 378500

Ion Ratio Lower Upper

240 100

120 4.8 2.6 4.0#

236 25.2 20.8 31.2



#77

Benzidine

Concen: 2.289 ng

RT: 20.252 min Scan# 2887

Delta R.T. 0.375 min

Lab File: BG056145.D

Acq: 28 Dec 2022 18:30

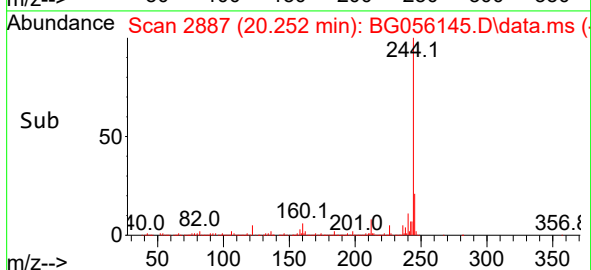
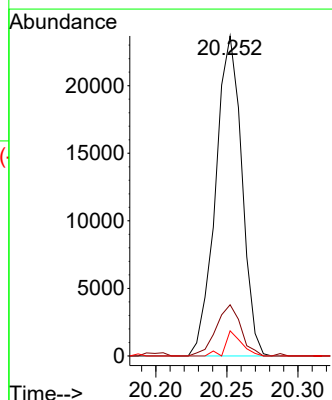
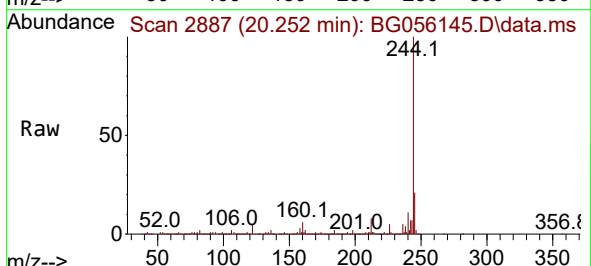
Tgt Ion:184 Resp: 30363

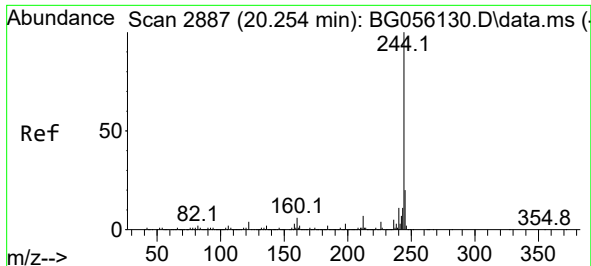
Ion Ratio Lower Upper

184 100

185 16.0 12.2 18.2

183 7.8 9.4 14.0#

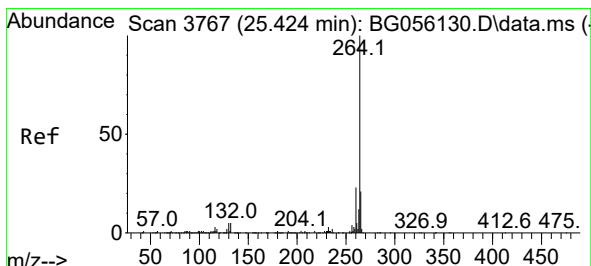
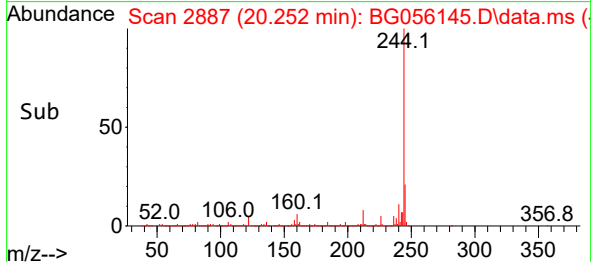
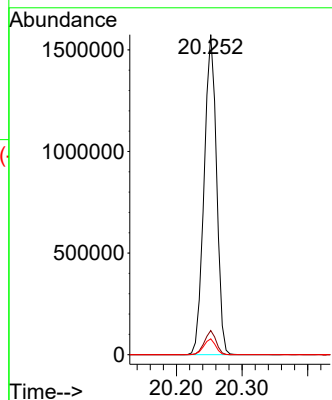
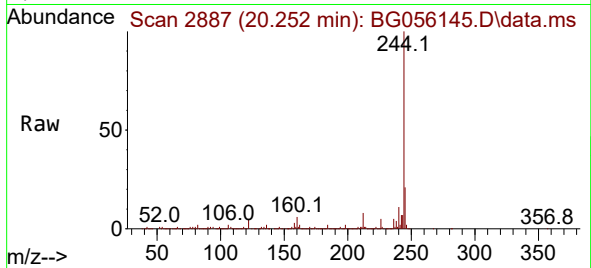




#79
 Terphenyl-d14
 Concen: 98.378 ng
 RT: 20.252 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG056145.D
 Acq: 28 Dec 2022 18:30

Instrument :
 BNA_G
 ClientSampleId :
 72-12016

Tgt Ion:244 Resp: 2079012
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.7 8.5
 122 4.9 3.5 5.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.423 min Scan# 3767
 Delta R.T. -0.001 min
 Lab File: BG056145.D
 Acq: 28 Dec 2022 18:30

Tgt Ion:264 Resp: 398936
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.6 28.0
 265 22.2 16.7 25.1

