

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011924\
 Data File : BG060373.D
 Acq On : 19 Jan 2024 17:41
 Operator : MA/JU
 Sample : P1183-01 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MR-305-0-2

Quant Time: Jan 20 01:20:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 09 04:07:12 2024
 Response via : Initial Calibration

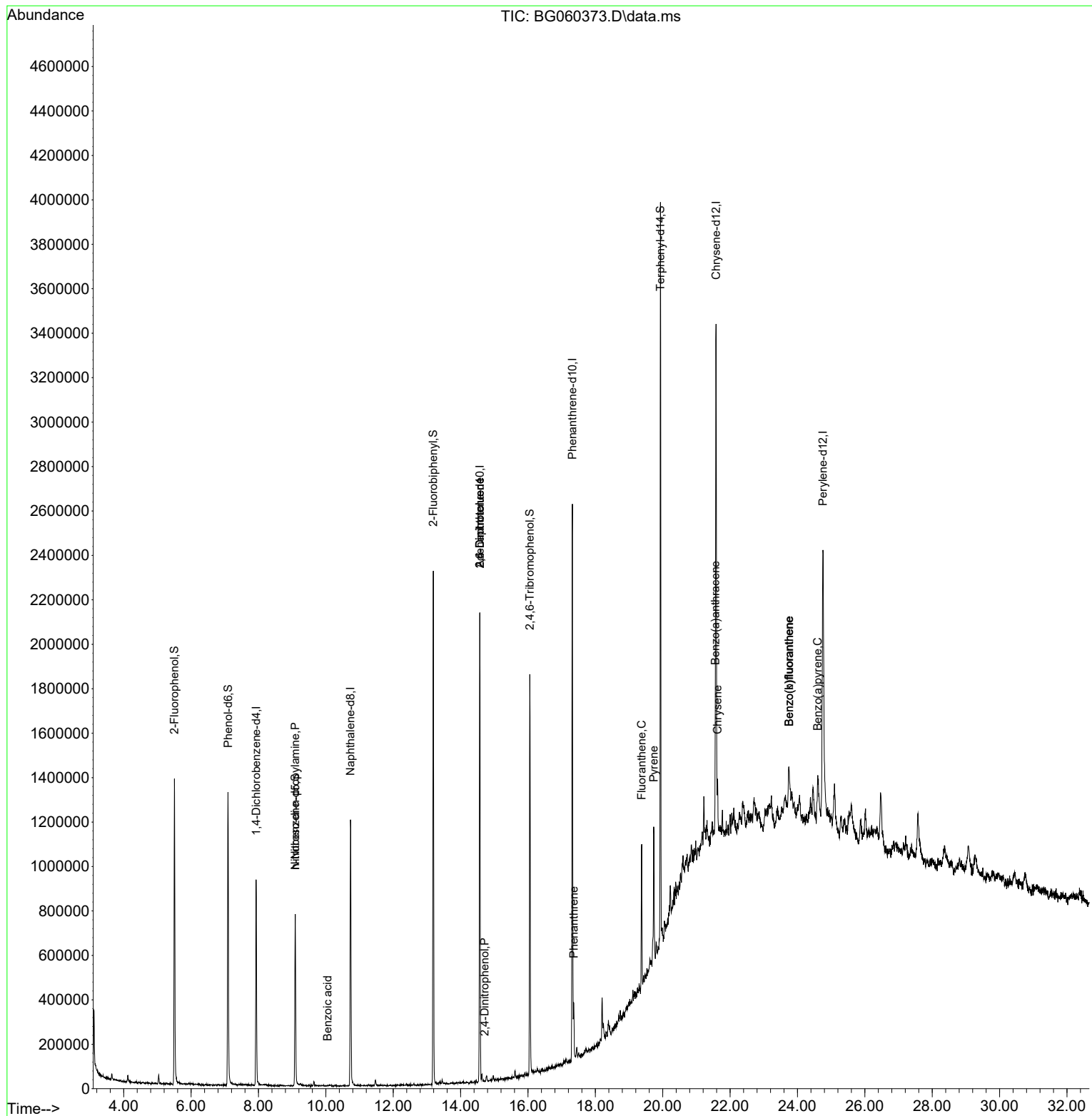
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.929	152	287422	20.000	ng	0.00
21) Naphthalene-d8	10.731	136	1086801	20.000	ng	0.00
39) Acenaphthene-d10	14.568	164	775212	20.000	ng	0.00
64) Phenanthrene-d10	17.318	188	1708419	20.000	ng	0.00
76) Chrysene-d12	21.583	240	1408122	20.000	ng	0.00
86) Perylene-d12	24.756	264	1582856	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.502	112	717065	41.034	ng	0.00
7) Phenol-d6	7.094	99	943942	36.479	ng	0.00
23) Nitrobenzene-d5	9.092	82	546684	23.753	ng	0.00
42) 2,4,6-Tribromophenol	16.054	330	411930	36.116	ng	0.00
45) 2-Fluorobiphenyl	13.187	172	1321483	23.700	ng	0.00
79) Terphenyl-d14	19.932	244	1693331	21.336	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.092	70	67782	3.785	ng	# 87
32) Benzoic acid	10.050	122	199	10.216	ng	# 1
51) 2,6-Dinitrotoluene	14.568	165	104438	8.262	ng	# 33
54) 2,4-Dinitrophenol	14.709	184	62	8.594	ng	# 1
57) 2,4-Dinitrotoluene	14.568	165	104438	6.025	ng	# 25
71) Phenanthrene	17.359	178	169064	2.047	ng	93
75) Fluoranthene	19.374	202	424240	4.277	ng	88
78) Pyrene	19.733	202	392364	4.363	ng	# 86
81) Benzo(a)anthracene	21.560	228	205694	2.360	ng	96
83) Chrysene	21.624	228	200393	2.337	ng	# 91
88) Benzo(b)fluoranthene	23.751	252	248636	2.659	ng	# 95
89) Benzo(k)fluoranthene	23.751	252	248636	2.695	ng	# 94
90) Benzo(a)pyrene	24.603	252	187310	2.217	ng	# 79

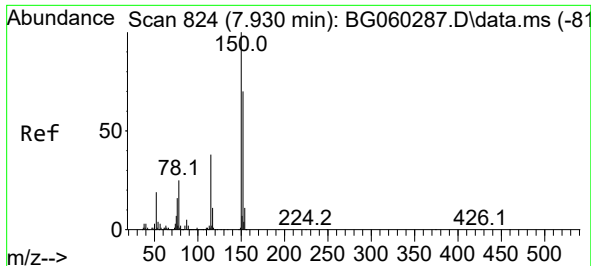
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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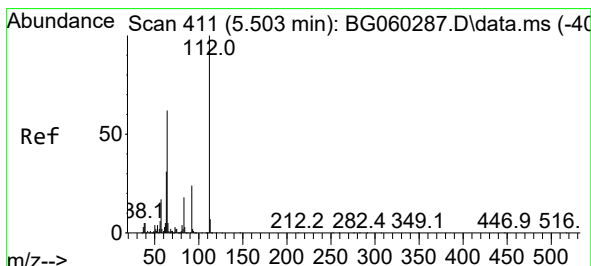
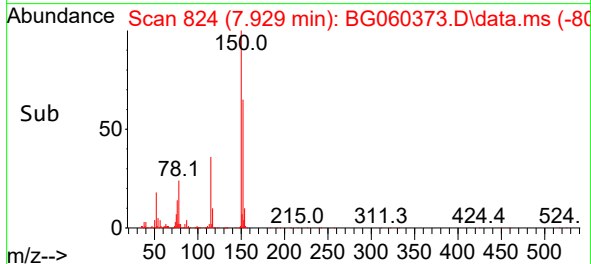
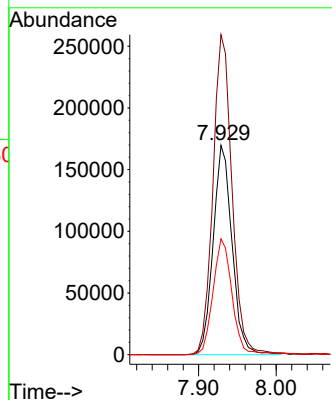
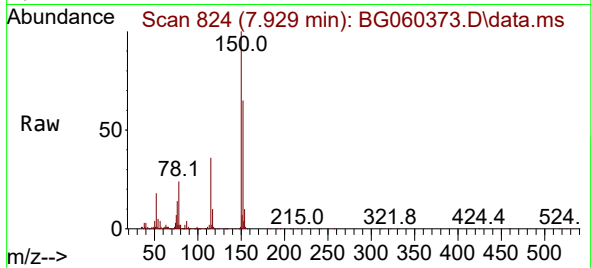




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.929 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG060373.D
Acq: 19 Jan 2024 17:41

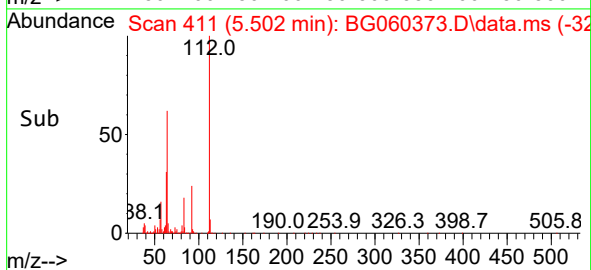
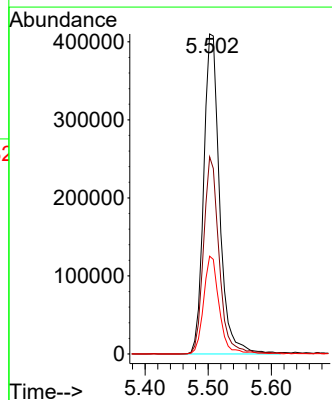
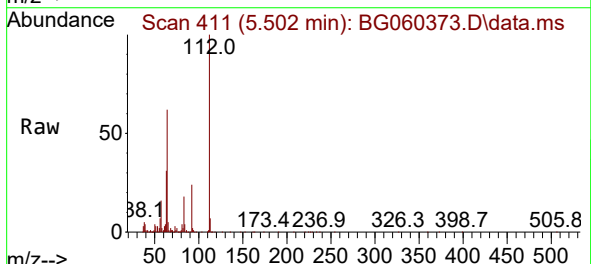
Instrument :
BNA_G
ClientSampleId :
MR-305-0-2

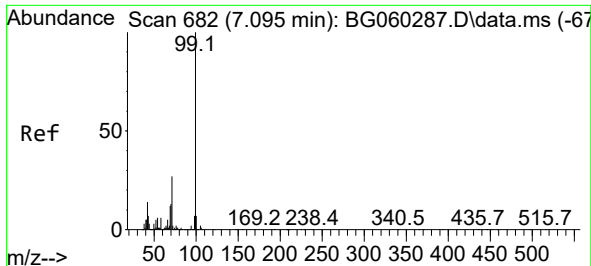
Tgt Ion:152 Resp: 287422
Ion Ratio Lower Upper
152 100
150 152.9 114.5 171.7
115 55.4 43.0 64.6



#5
2-Fluorophenol
Concen: 41.034 ng
RT: 5.502 min Scan# 411
Delta R.T. -0.001 min
Lab File: BG060373.D
Acq: 19 Jan 2024 17:41

Tgt Ion:112 Resp: 717065
Ion Ratio Lower Upper
112 100
64 61.6 49.8 74.6
63 30.5 24.4 36.6

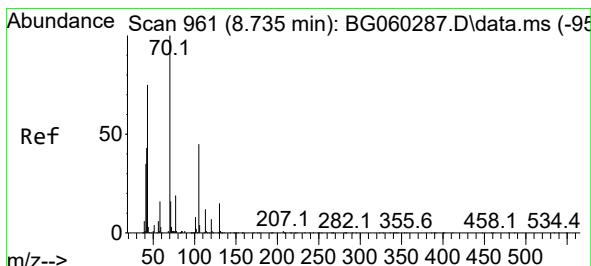
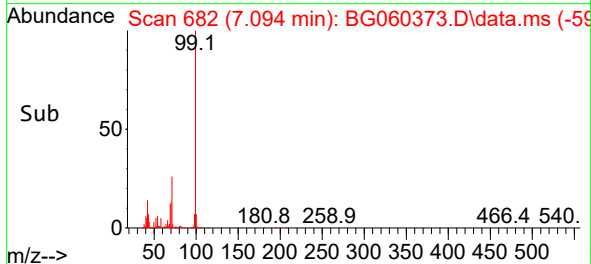
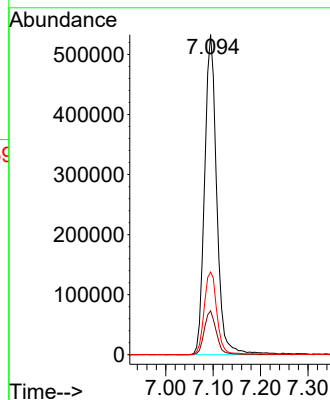
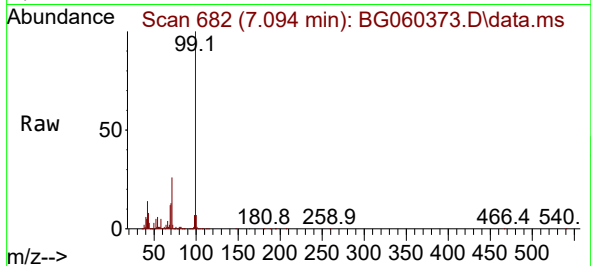




#7
Phenol-d6
Concen: 36.479 ng
RT: 7.094 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG060373.D
Acq: 19 Jan 2024 17:41

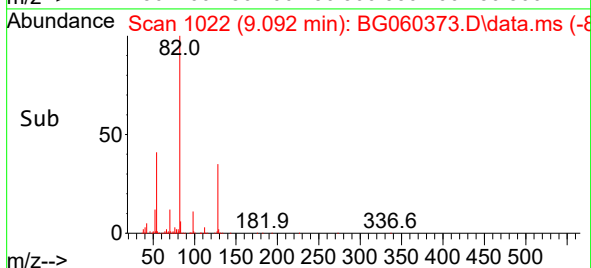
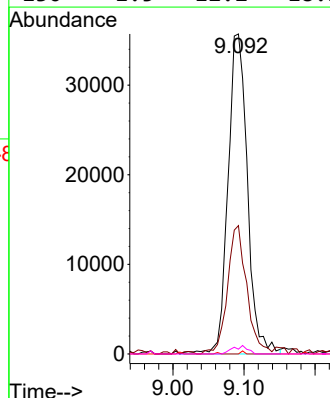
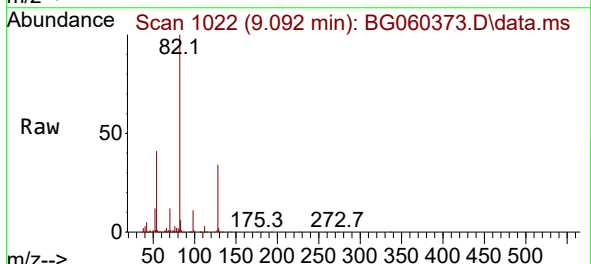
Instrument :
BNA_G
ClientSampleId :
MR-305-0-2

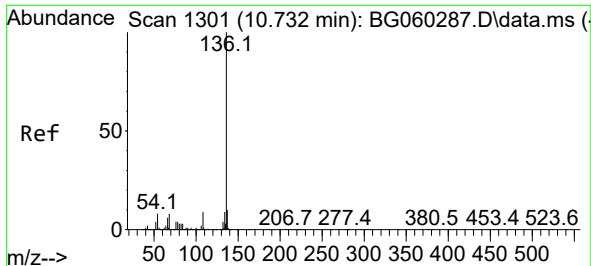
Tgt Ion: 99 Resp: 943942
Ion Ratio Lower Upper
99 100
42 13.7 10.9 16.3
71 25.8 21.5 32.3



#19
n-Nitroso-di-n-propylamine
Concen: 3.785 ng
RT: 9.092 min Scan# 1022
Delta R.T. 0.358 min
Lab File: BG060373.D
Acq: 19 Jan 2024 17:41

Tgt Ion: 70 Resp: 67782
Ion Ratio Lower Upper
70 100
42 40.1 34.3 51.5
101 0.0 6.2 9.2#
130 1.5 12.2 18.2#



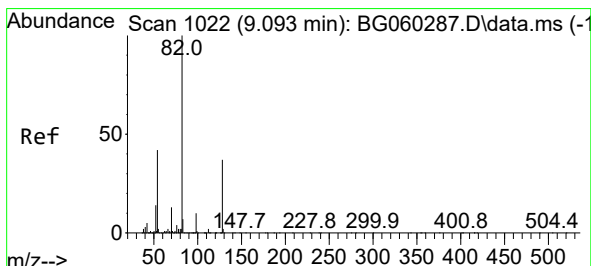
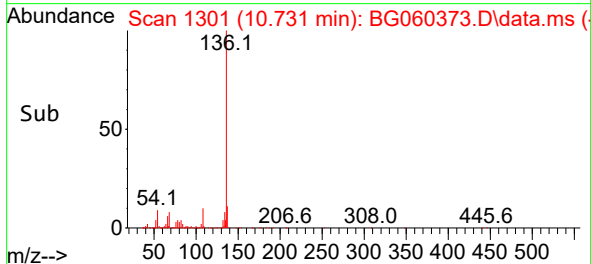
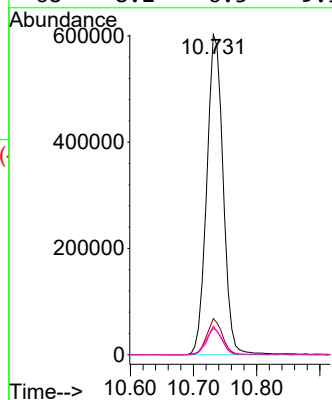
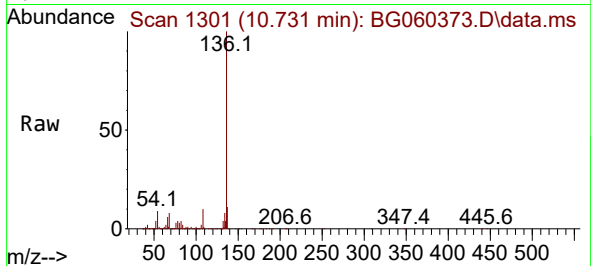


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.731 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG060373.D
Acq: 19 Jan 2024 17:41

Instrument :
BNA_G
ClientSampleId :
MR-305-0-2

Tgt Ion:136 Resp: 1086801

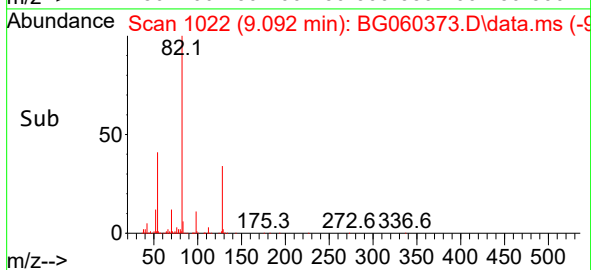
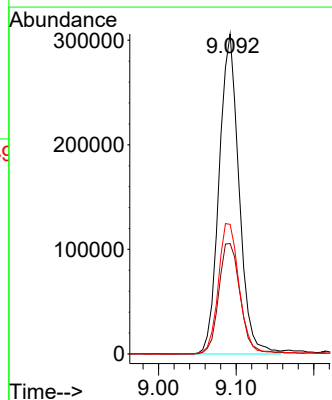
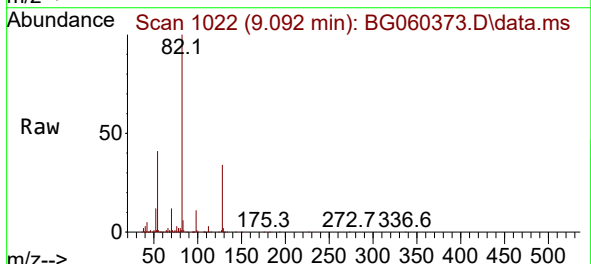
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.2	12.4
54	8.9	6.2	9.2
68	8.2	6.3	9.5

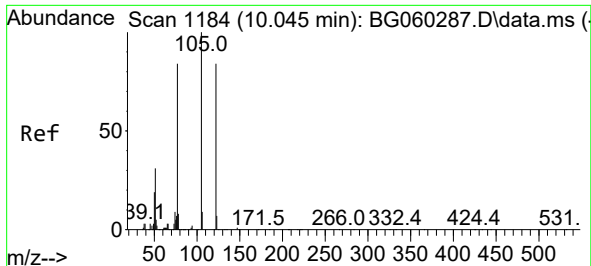


#23
Nitrobenzene-d5
Concen: 23.753 ng
RT: 9.092 min Scan# 1022
Delta R.T. -0.001 min
Lab File: BG060373.D
Acq: 19 Jan 2024 17:41

Tgt Ion: 82 Resp: 546684

Ion	Ratio	Lower	Upper
82	100		
128	34.5	29.6	44.4
54	40.5	33.6	50.4

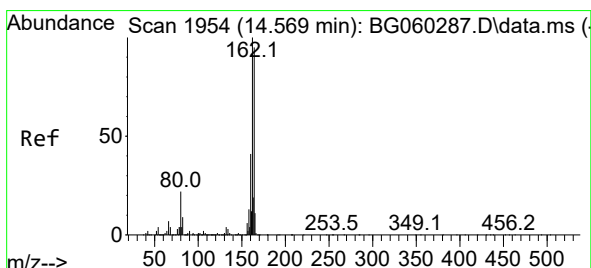
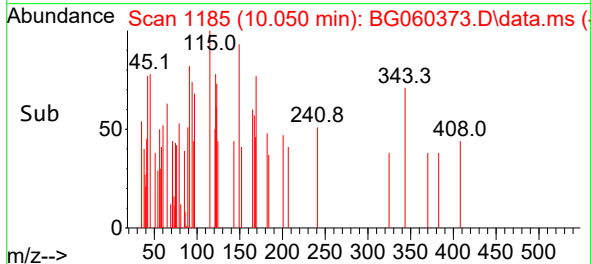
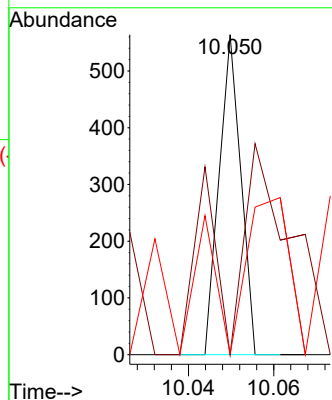
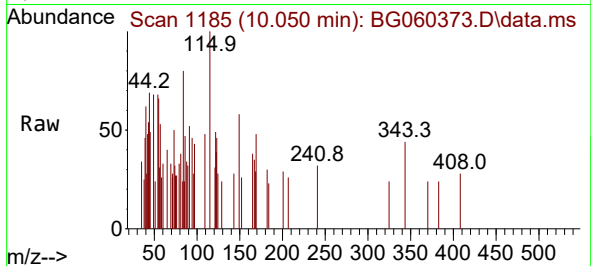




#32
Benzoic acid
Concen: 10.216 ng
RT: 10.050 min Scan# 1185
Delta R.T. 0.005 min
Lab File: BG060373.D
Acq: 19 Jan 2024 17:41

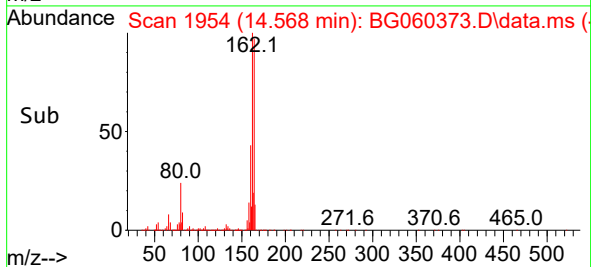
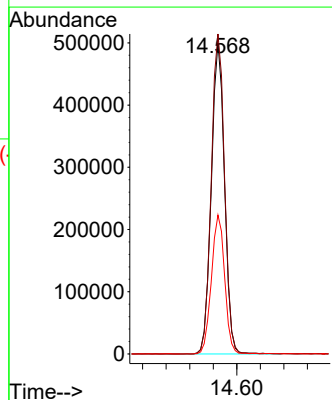
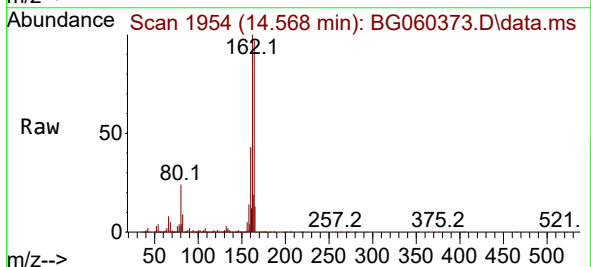
Instrument :
BNA_G
ClientSampleId :
MR-305-0-2

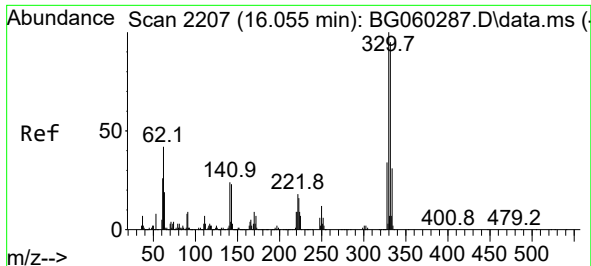
Tgt Ion:122 Resp: 199
Ion Ratio Lower Upper
122 100
105 0.0 96.0 136.0#
77 0.0 80.1 120.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.568 min Scan# 1954
Delta R.T. -0.001 min
Lab File: BG060373.D
Acq: 19 Jan 2024 17:41

Tgt Ion:164 Resp: 775212
Ion Ratio Lower Upper
164 100
162 102.9 84.4 126.6
160 44.6 34.6 52.0

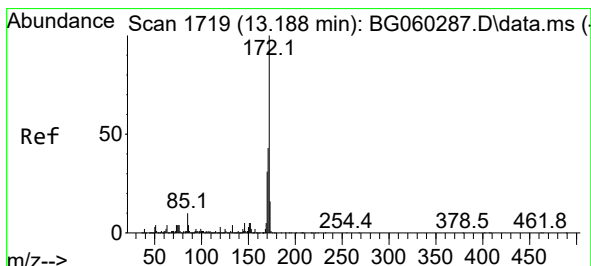
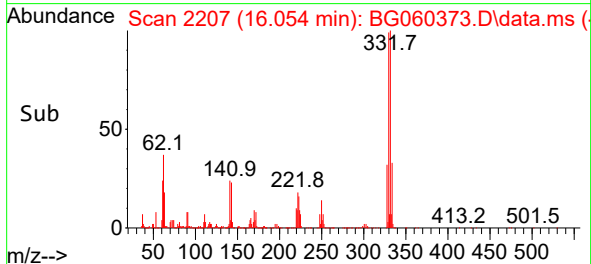
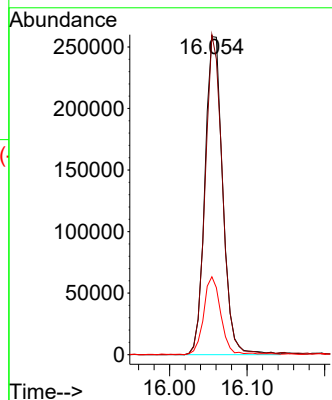
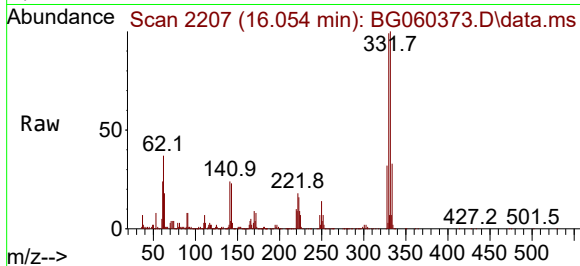




#42
2,4,6-Tribromophenol
Concen: 36.116 ng
RT: 16.054 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG060373.D
Acq: 19 Jan 2024 17:41

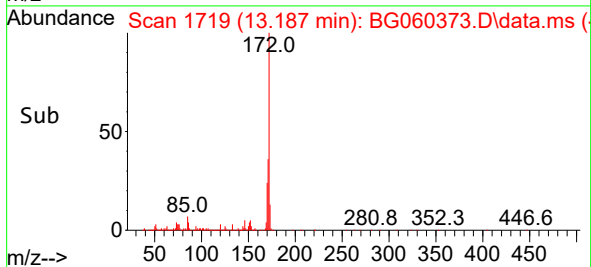
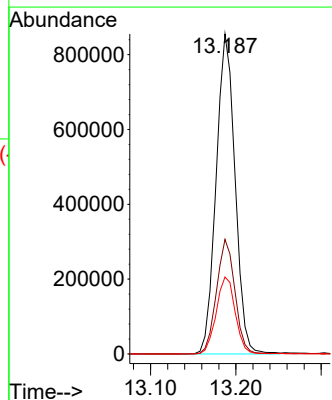
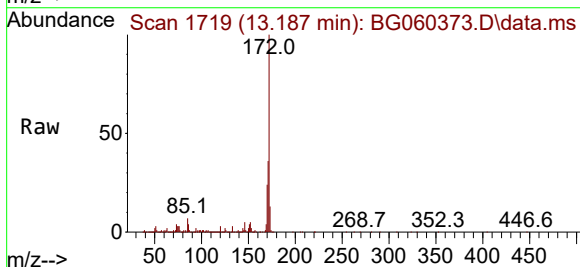
Instrument :
BNA_G
ClientSampleId :
MR-305-0-2

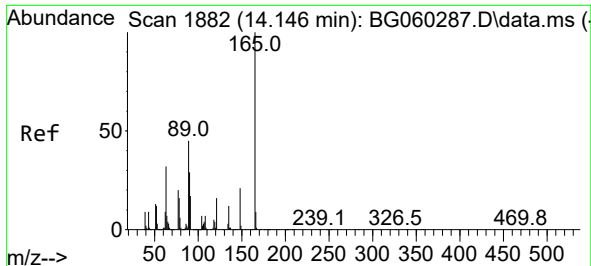
Tgt Ion:330 Resp: 411930
Ion Ratio Lower Upper
330 100
332 96.8 76.7 115.1
141 23.3 18.6 28.0



#45
2-Fluorobiphenyl
Concen: 23.700 ng
RT: 13.187 min Scan# 1719
Delta R.T. -0.001 min
Lab File: BG060373.D
Acq: 19 Jan 2024 17:41

Tgt Ion:172 Resp: 1321483
Ion Ratio Lower Upper
172 100
171 35.8 34.6 51.8
170 24.0 24.4 36.6#

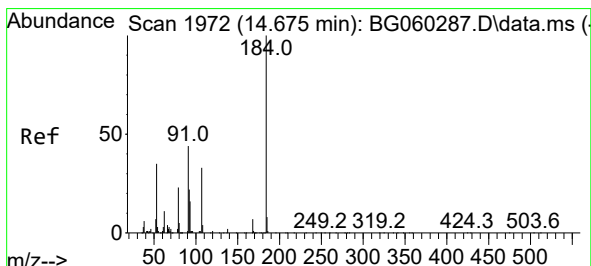
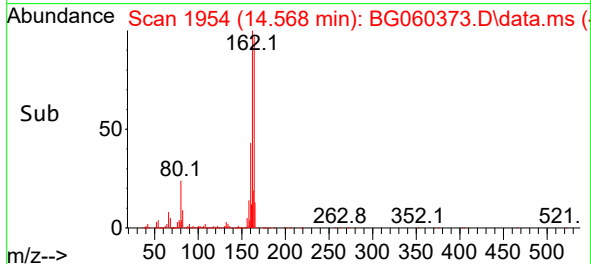
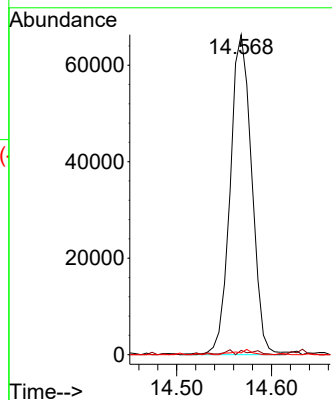
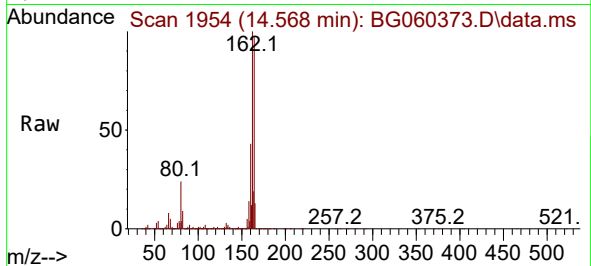




#51
2,6-Dinitrotoluene
Concen: 8.262 ng
RT: 14.568 min Scan# 1954
Delta R.T. 0.422 min
Lab File: BG060373.D
Acq: 19 Jan 2024 17:41

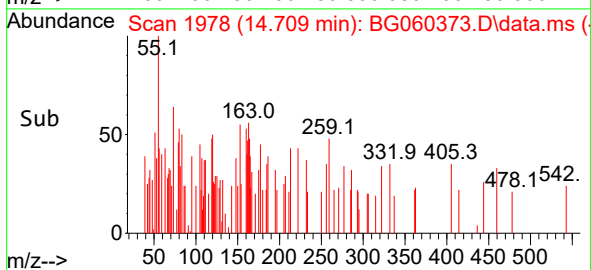
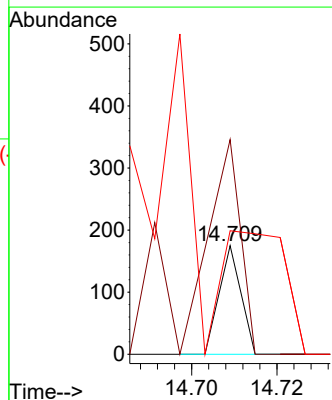
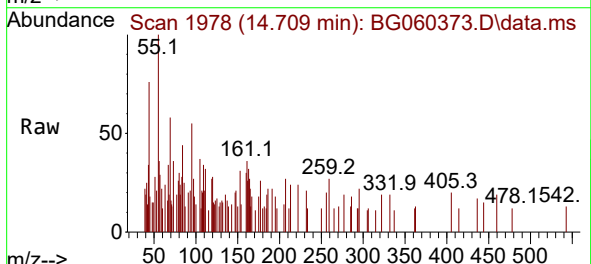
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MR-305-0-2

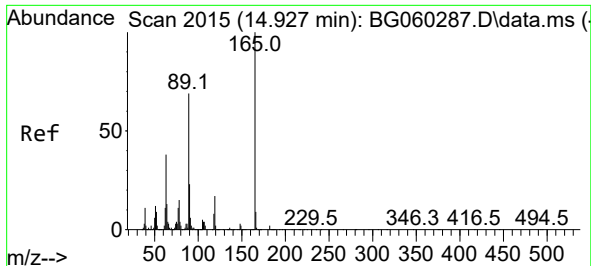
Tgt Ion:165 Resp: 104438
Ion Ratio Lower Upper
165 100
63 1.3 35.0 52.4#
89 0.6 36.2 54.2#



#54
2,4-Dinitrophenol
Concen: 8.594 ng
RT: 14.709 min Scan# 1978
Delta R.T. 0.034 min
Lab File: BG060373.D
Acq: 19 Jan 2024 17:41

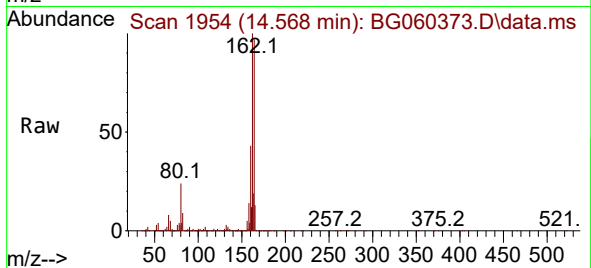
Tgt Ion:184 Resp: 62
Ion Ratio Lower Upper
184 100
63 197.7 41.0 61.4#
154 113.7 39.2 58.8#



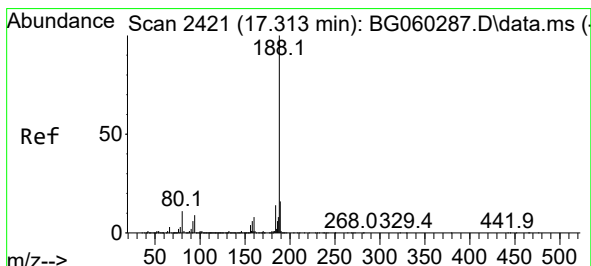
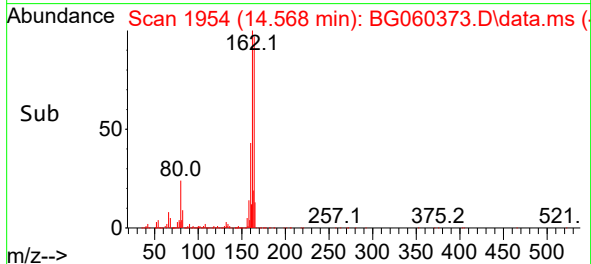
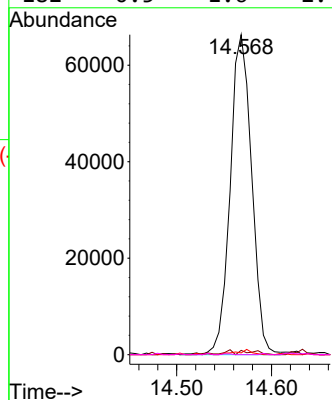


#57
2,4-Dinitrotoluene
Concen: 6.025 ng
RT: 14.568 min Scan# 1954
Delta R.T. -0.359 min
Lab File: BG060373.D
Acq: 19 Jan 2024 17:41

Instrument :
BNA_G
ClientSampleId :
MR-305-0-2

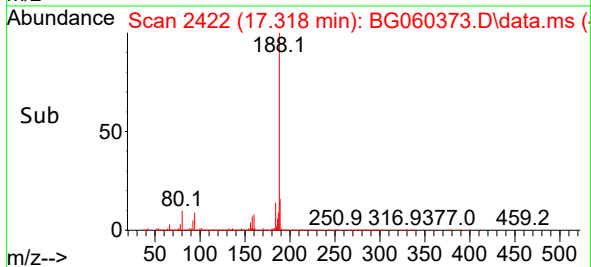
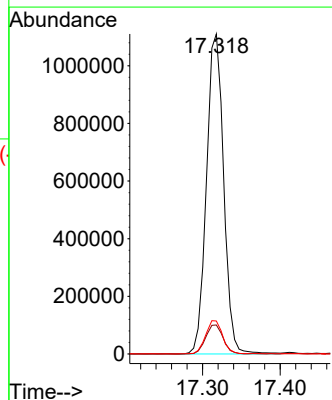
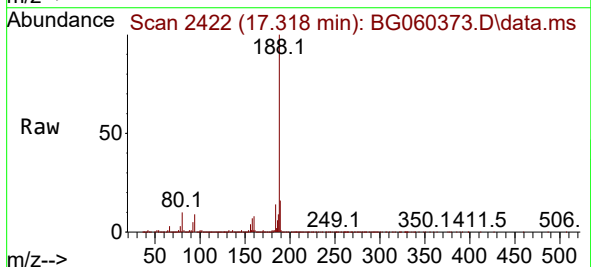


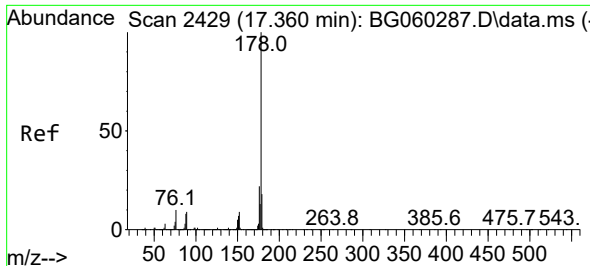
Tgt Ion:165 Resp: 104438
Ion Ratio Lower Upper
165 100
63 1.3 30.4 45.6#
89 0.6 55.4 83.0#
182 0.5 1.6 2.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.318 min Scan# 2422
Delta R.T. 0.005 min
Lab File: BG060373.D
Acq: 19 Jan 2024 17:41

Tgt Ion:188 Resp: 1708419
Ion Ratio Lower Upper
188 100
94 9.0 7.1 10.7
80 10.3 8.5 12.7

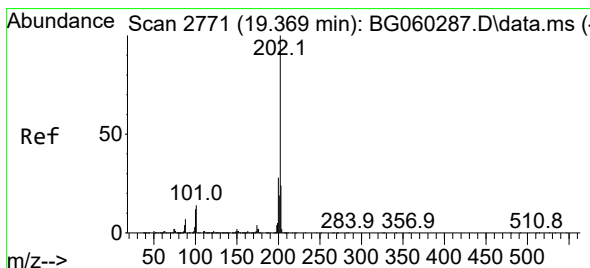
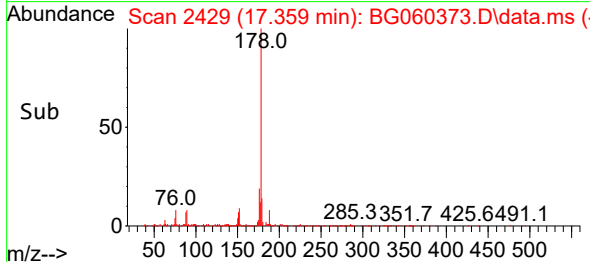
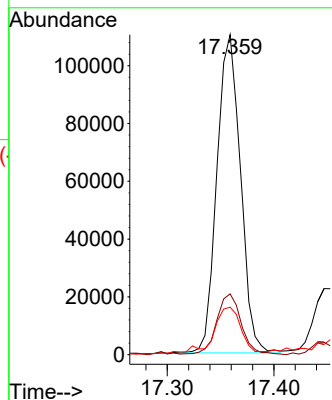
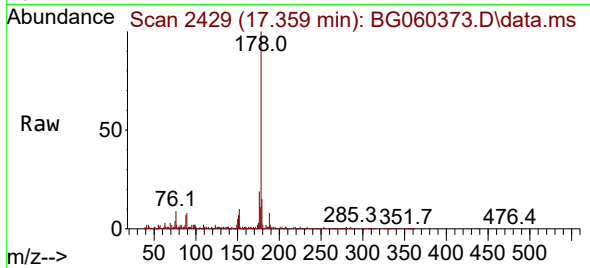




#71
Phenanthrene
Concen: 2.047 ng
RT: 17.359 min Scan# 2429
Delta R.T. -0.001 min
Lab File: BG060373.D
Acq: 19 Jan 2024 17:41

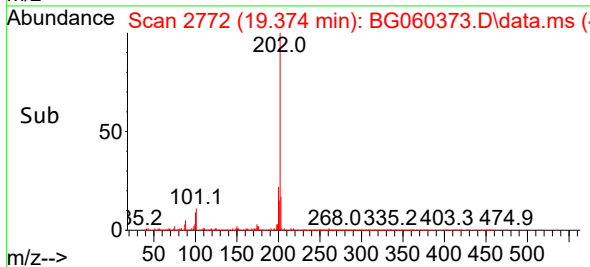
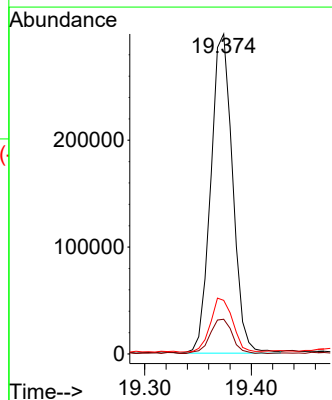
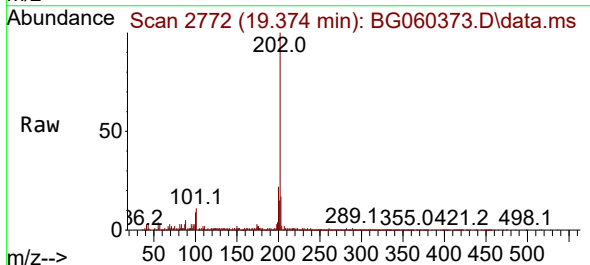
Instrument :
BNA_G
ClientSampleId :
MR-305-0-2

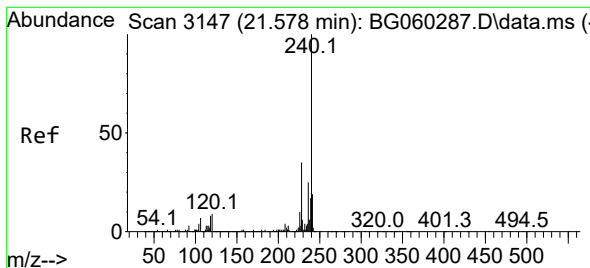
Tgt Ion:178 Resp: 169064
Ion Ratio Lower Upper
178 100
176 19.0 17.4 26.2
179 14.8 14.7 22.1



#75
Fluoranthene
Concen: 4.277 ng
RT: 19.374 min Scan# 2772
Delta R.T. 0.005 min
Lab File: BG060373.D
Acq: 19 Jan 2024 17:41

Tgt Ion:202 Resp: 424240
Ion Ratio Lower Upper
202 100
101 10.9 0.0 34.4
203 16.8 4.0 44.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.583 min Scan# 3147

Delta R.T. 0.005 min

Lab File: BG060373.D

Acq: 19 Jan 2024 17:41

Instrument :

BNA_G

ClientSampleId :

MR-305-0-2

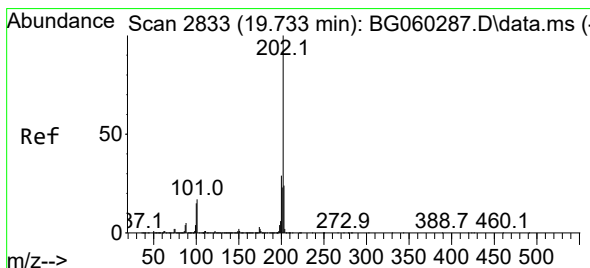
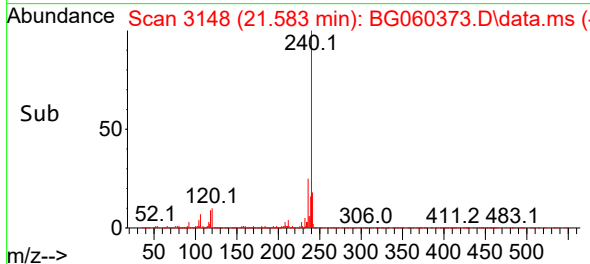
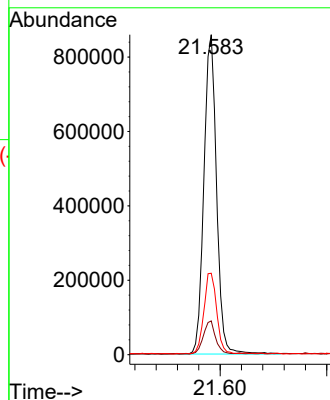
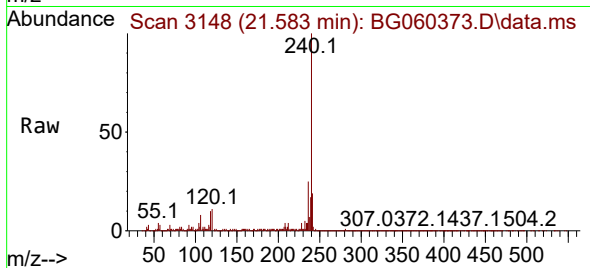
Tgt Ion:240 Resp: 1408122

Ion Ratio Lower Upper

240 100

120 10.6 7.3 10.9

236 25.5 20.3 30.5



#78

Pyrene

Concen: 4.363 ng

RT: 19.733 min Scan# 2833

Delta R.T. -0.001 min

Lab File: BG060373.D

Acq: 19 Jan 2024 17:41

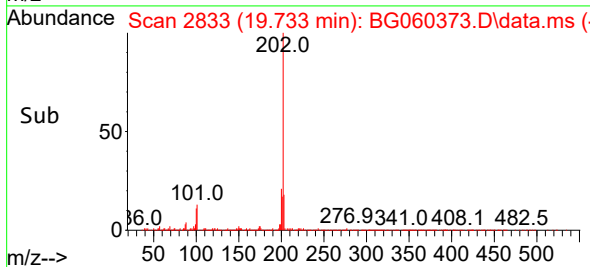
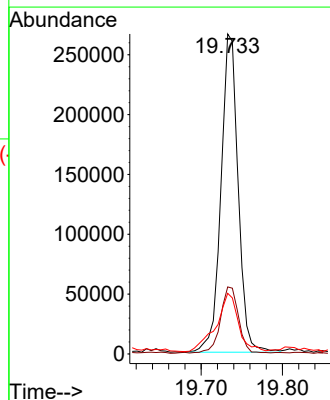
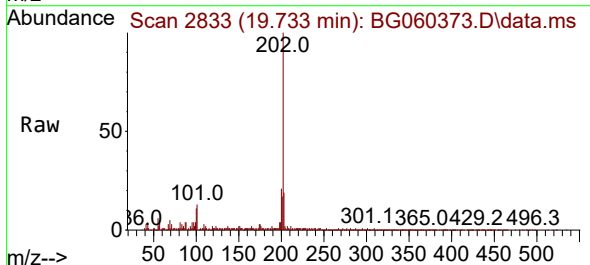
Tgt Ion:202 Resp: 392364

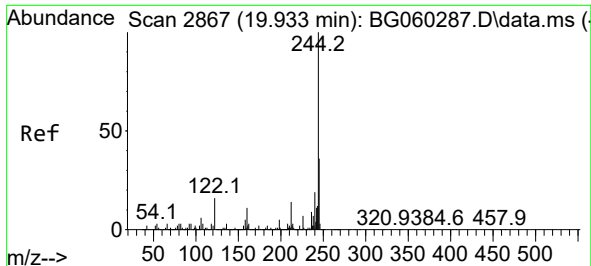
Ion Ratio Lower Upper

202 100

200 20.9 23.5 35.3#

203 18.9 19.6 29.4#

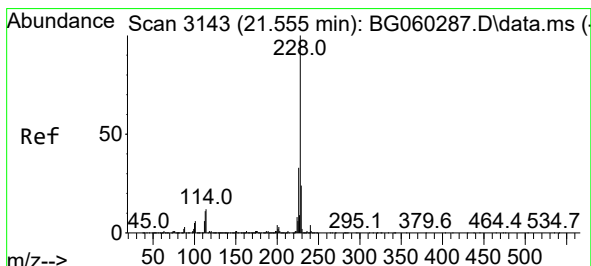
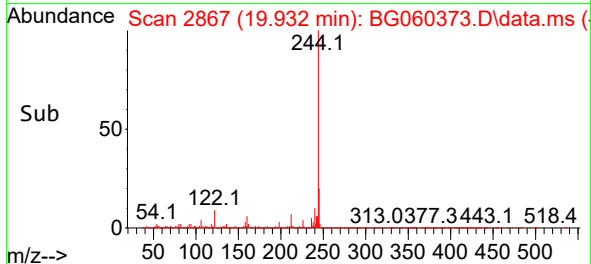
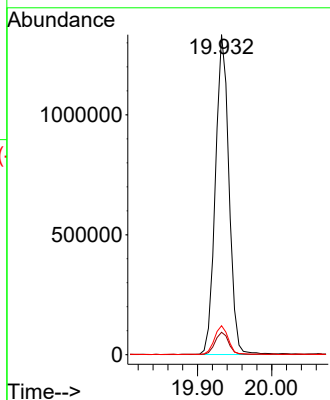
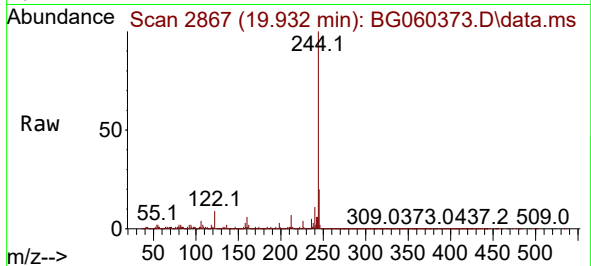




#79
 Terphenyl-d14
 Concen: 21.336 ng
 RT: 19.932 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG060373.D
 Acq: 19 Jan 2024 17:41

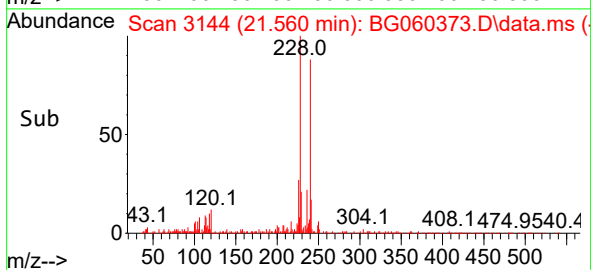
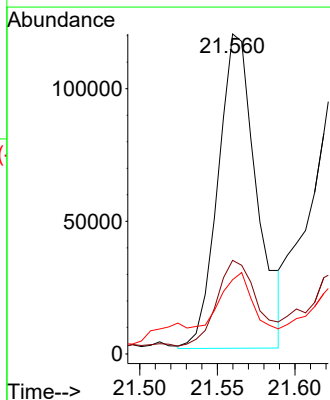
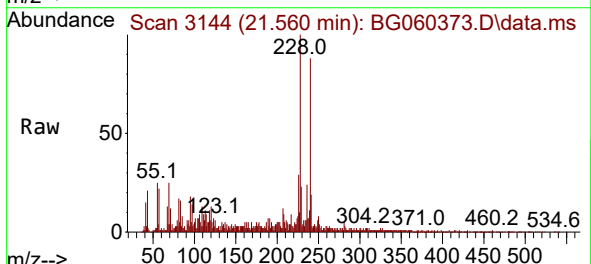
Instrument :
 BNA_G
 ClientSampleId :
 MR-305-0-2

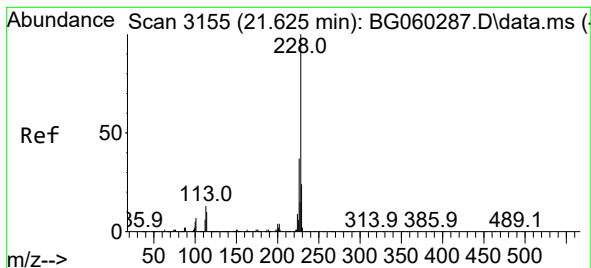
Tgt Ion:244 Resp: 1693331
 Ion Ratio Lower Upper
 244 100
 212 7.0 10.9 16.3#
 122 9.1 12.6 18.8#



#81
 Benzo(a)anthracene
 Concen: 2.360 ng
 RT: 21.560 min Scan# 3144
 Delta R.T. 0.005 min
 Lab File: BG060373.D
 Acq: 19 Jan 2024 17:41

Tgt Ion:228 Resp: 205694
 Ion Ratio Lower Upper
 228 100
 226 29.3 26.2 39.2
 229 23.2 19.4 29.2





#83

Chrysene

Concen: 2.337 ng

RT: 21.624 min Scan# 31

Delta R.T. -0.001 min

Lab File: BG060373.D

Acq: 19 Jan 2024 17:41

Instrument :

BNA_G

ClientSampleId :

MR-305-0-2

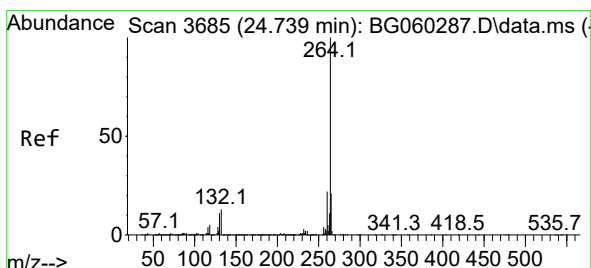
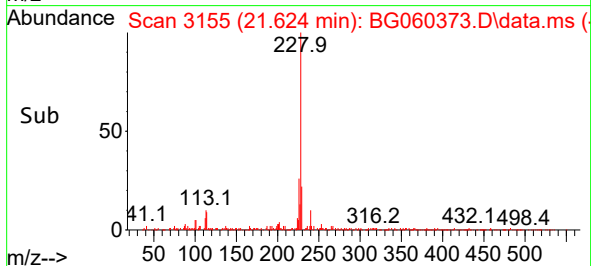
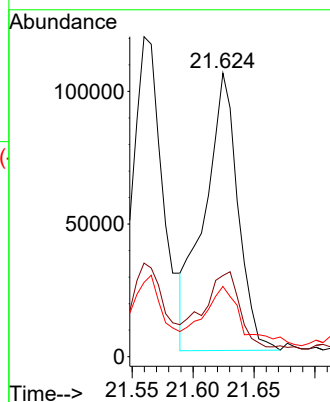
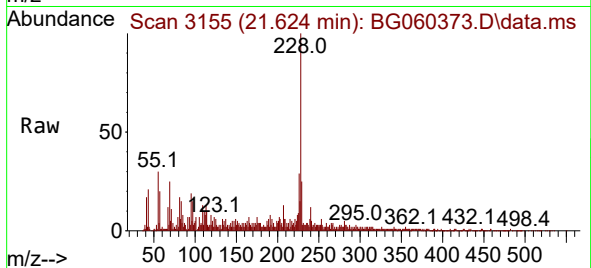
Tgt Ion:228 Resp: 200393

Ion Ratio Lower Upper

228 100

226 28.6 29.4 44.2#

229 24.8 19.2 28.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.756 min Scan# 3688

Delta R.T. 0.017 min

Lab File: BG060373.D

Acq: 19 Jan 2024 17:41

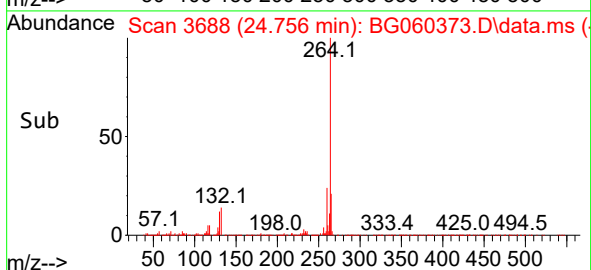
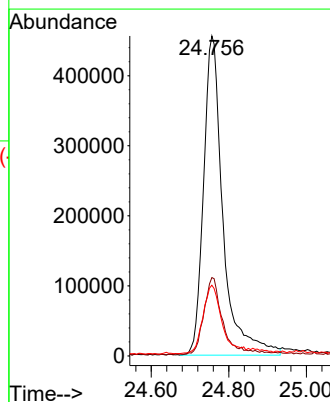
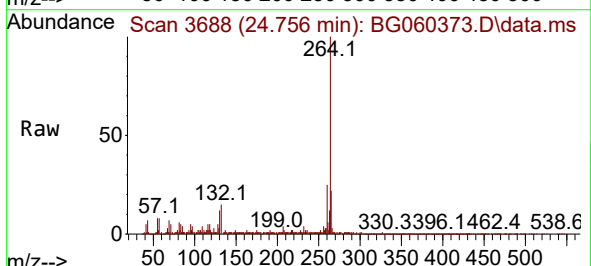
Tgt Ion:264 Resp: 1582856

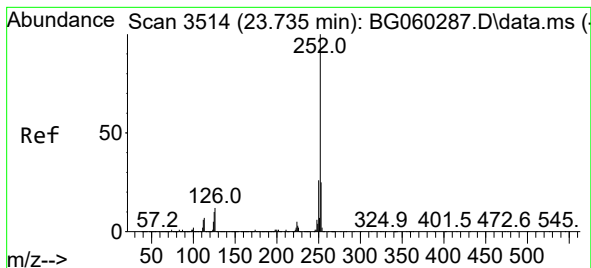
Ion Ratio Lower Upper

264 100

260 24.5 17.8 26.6

265 22.1 16.8 25.2





#88

Benzo(b)fluoranthene

Concen: 2.659 ng

RT: 23.751 min Scan# 3517

Delta R.T. 0.017 min

Lab File: BG060373.D

Acq: 19 Jan 2024 17:41

Instrument :

BNA_G

ClientSampleId :

MR-305-0-2

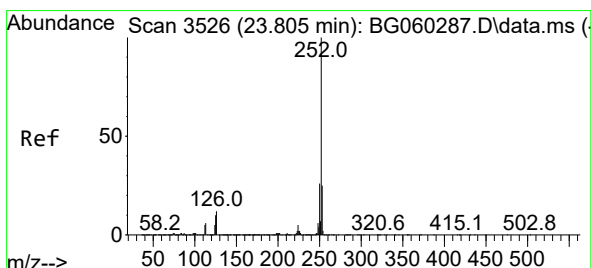
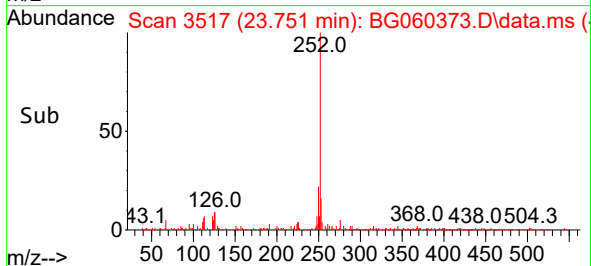
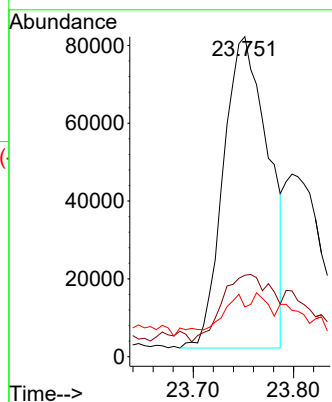
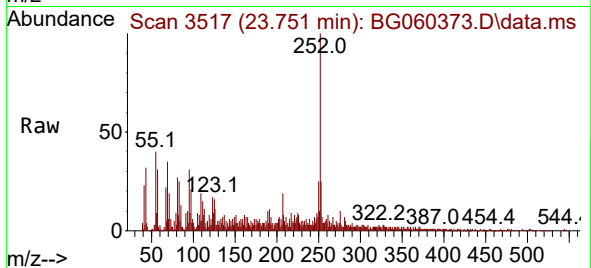
Tgt Ion:252 Resp: 248636

Ion Ratio Lower Upper

252 100

253 25.5 20.0 30.0

125 15.5 8.1 12.1#



#89

Benzo(k)fluoranthene

Concen: 2.695 ng

RT: 23.751 min Scan# 3517

Delta R.T. -0.054 min

Lab File: BG060373.D

Acq: 19 Jan 2024 17:41

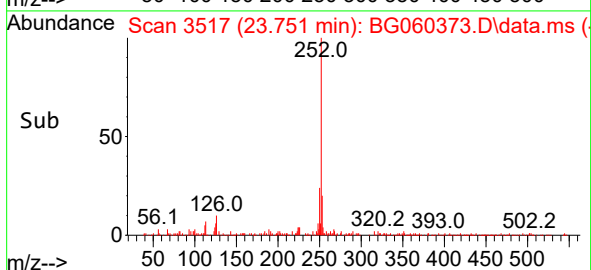
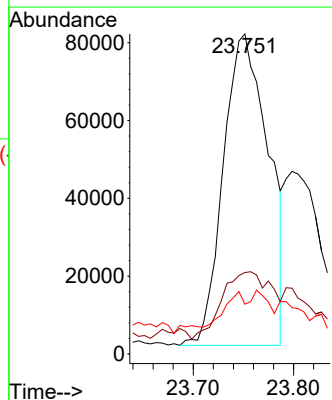
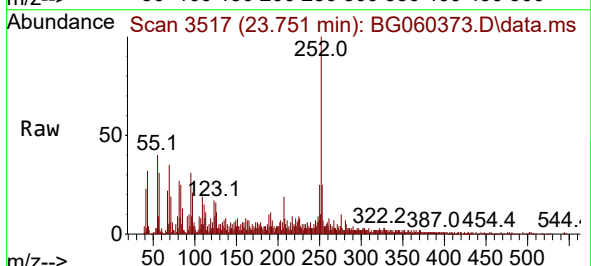
Tgt Ion:252 Resp: 248636

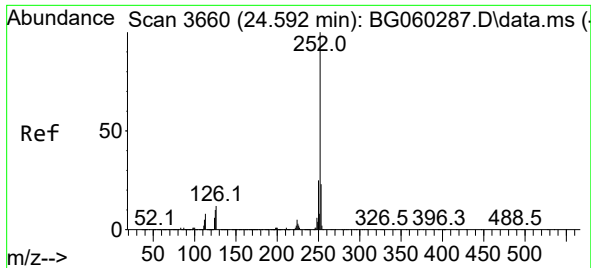
Ion Ratio Lower Upper

252 100

253 25.5 19.6 29.4

125 15.5 8.2 12.2#





#90

Benzo(a)pyrene

Concen: 2.217 ng

RT: 24.603 min Scan# 30

Delta R.T. 0.011 min

Lab File: BG060373.D

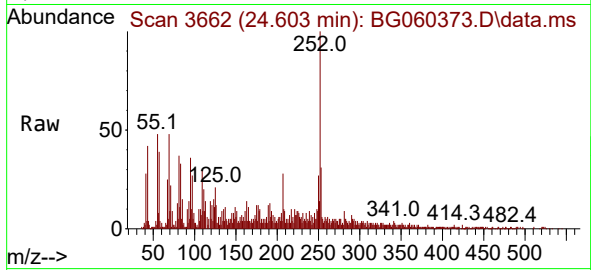
Acq: 19 Jan 2024 17:41

Instrument :

BNA_G

ClientSampleId :

MR-305-0-2



Tgt Ion:252 Resp: 187310

Ion Ratio Lower Upper

252 100

253 30.5 18.1 27.1#

125 21.2 8.1 12.1#

