

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101022\
 Data File : BG055115.D
 Acq On : 10 Oct 2022 16:40
 Operator : CG/JU
 Sample : N5052-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 551B-1

Quant Time: Oct 11 04:04:55 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 08 03:04:59 2022
 Response via : Initial Calibration

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

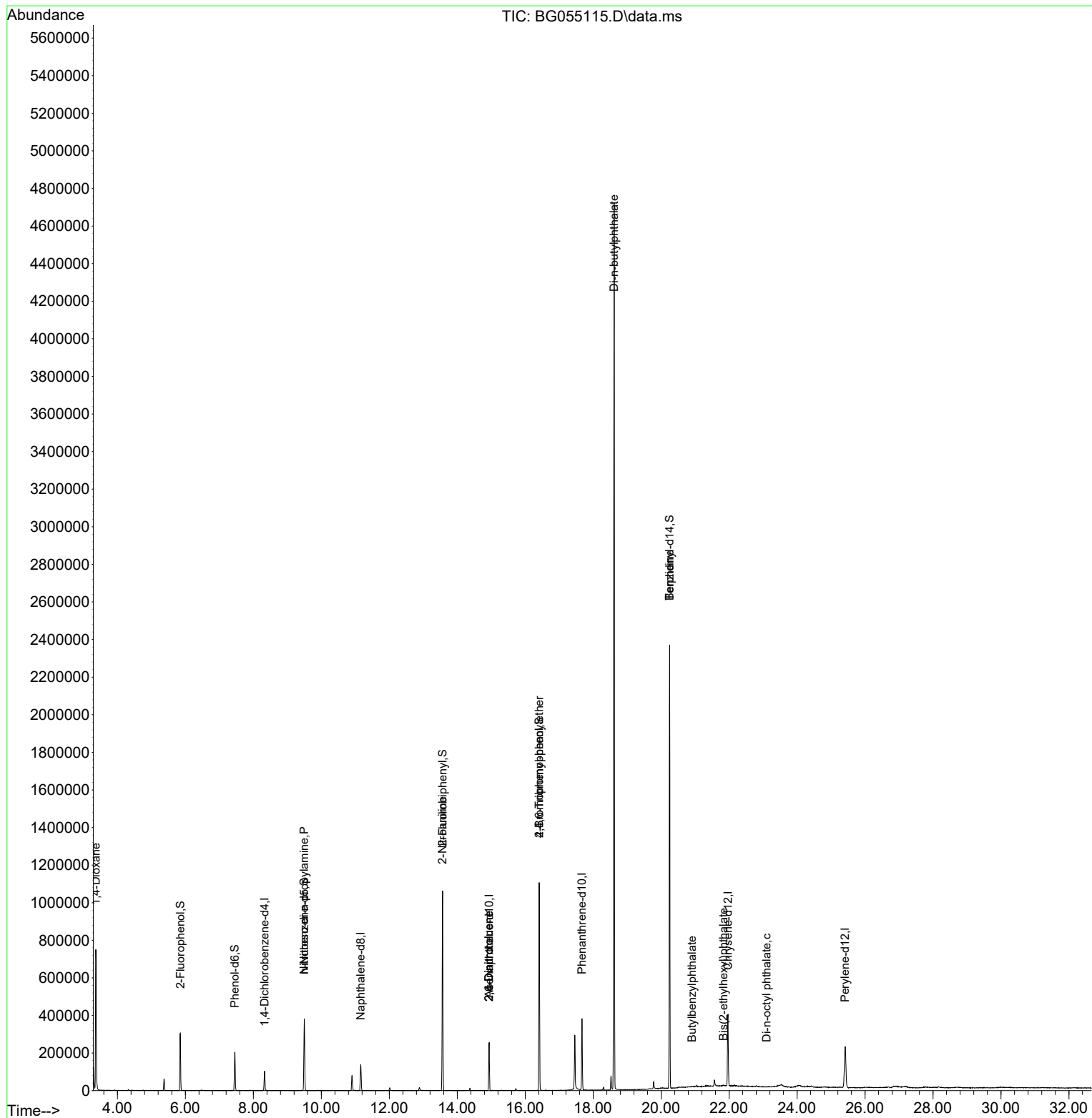
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.329	152	28986	20.000	ng	0.00
21) Naphthalene-d8	11.161	136	118998	20.000	ng	0.00
39) Acenaphthene-d10	14.939	164	89707	20.000	ng	0.00
64) Phenanthrene-d10	17.671	188	243487	20.000	ng	0.00
76) Chrysene-d12	21.966	240	247421	20.000	ng	0.00
86) Perylene-d12	25.415	264	263303	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.849	112	130202	99.771	ng	0.00
7) Phenol-d6	7.453	99	112782	57.680	ng	0.00
23) Nitrobenzene-d5	9.498	82	224075	112.518	ng	0.00
42) 2,4,6-Tribromophenol	16.413	330	221064	231.951	ng	0.00
45) 2-Fluorobiphenyl	13.570	172	543800	94.635	ng	0.00
79) Terphenyl-d14	20.250	244	1171729	95.719	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.364	88	6054	8.199	ng	# 1
19) n-Nitroso-di-n-propyla...	9.498	70	31961	16.874	ng	# 77
48) 2-Nitroaniline	13.564	65	852	4.641	ng	# 1
51) 2,6-Dinitrotoluene	14.933	165	11290	11.895	ng	# 16
57) 2,4-Dinitrotoluene	14.933	165	11290	9.737	ng	# 18
67) 4-Bromophenyl-phenylether	16.413	248	13963	5.422	ng	# 1
74) Di-n-butylphthalate	18.617	149	3364208	295.158	ng	# 89
77) Benzidine	20.250	184	18101	4.247	ng	# 93
80) Butylbenzylphthalate	20.908	149	379	4.905	ng	# 23
84) Bis(2-ethylhexyl)phtha...	21.831	149	1950	4.333	ng	# 90
85) Di-n-octyl phthalate	23.106	149	534	4.378	ng	# 45

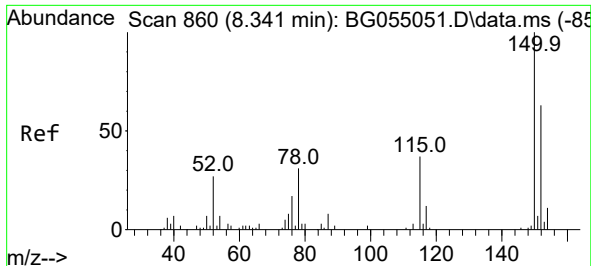
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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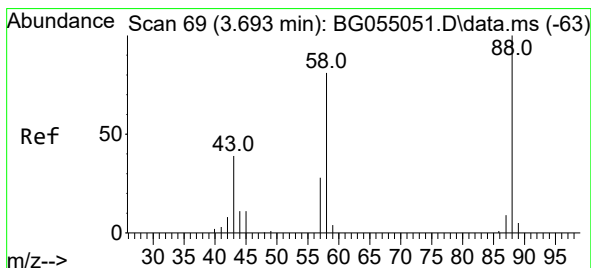
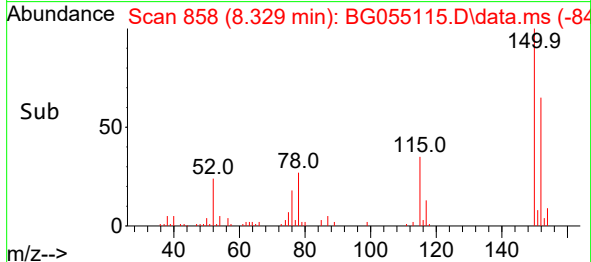
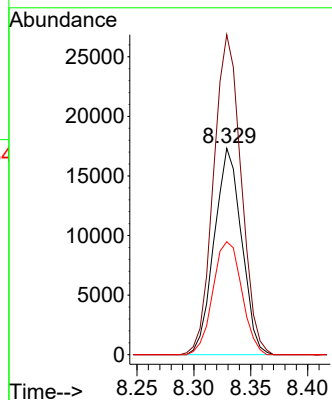
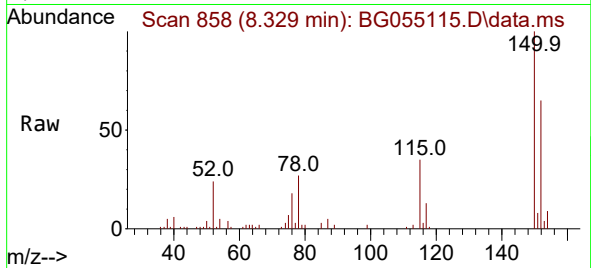




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.329 min Scan# 81
Delta R.T. -0.009 min
Lab File: BG055115.D
Acq: 10 Oct 2022 16:40

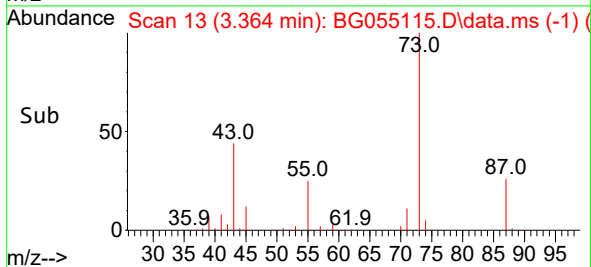
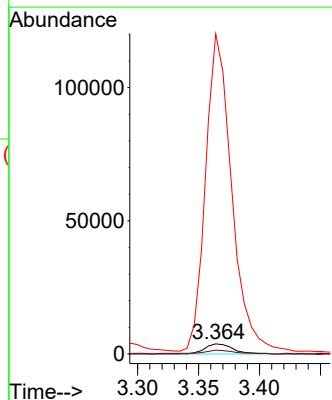
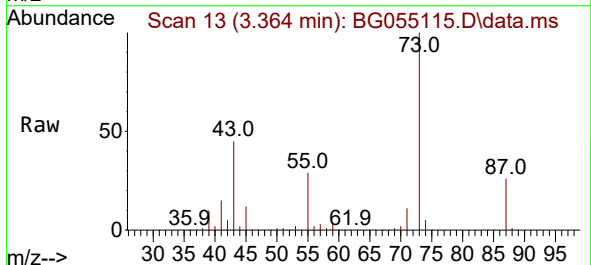
Instrument :
BNA_G
ClientSampleId :
551B-1

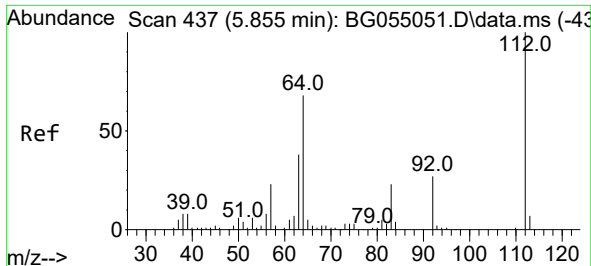
Tgt Ion:152 Resp: 28986
Ion Ratio Lower Upper
152 100
150 155.0 128.0 192.0
115 54.7 47.7 71.5



#2
1,4-Dioxane
Concen: 8.199 ng
RT: 3.364 min Scan# 13
Delta R.T. -0.320 min
Lab File: BG055115.D
Acq: 10 Oct 2022 16:40

Tgt Ion: 88 Resp: 6054
Ion Ratio Lower Upper
88 100
58 48.0 62.6 94.0#
43 2979.4 29.0 43.6#

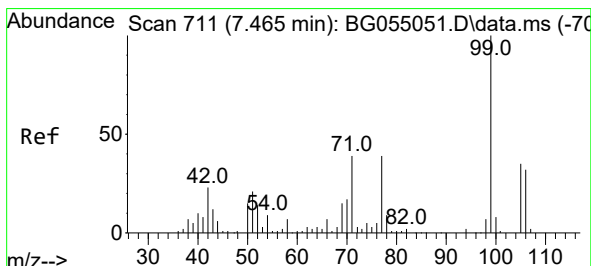
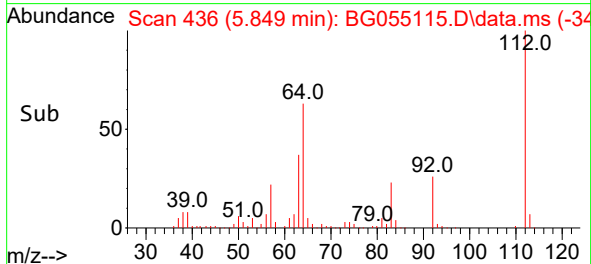
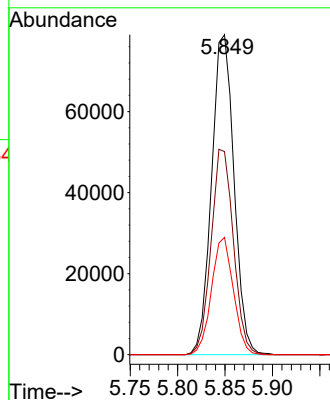
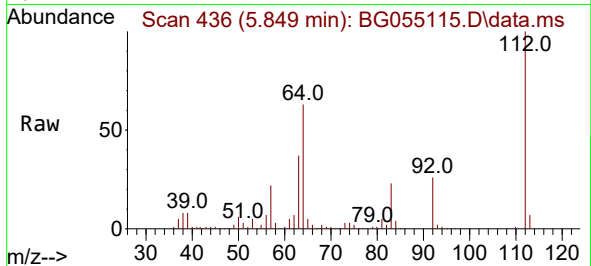




#5
2-Fluorophenol
Concen: 99.771 ng
RT: 5.849 min Scan# 41
Delta R.T. -0.003 min
Lab File: BG055115.D
Acq: 10 Oct 2022 16:40

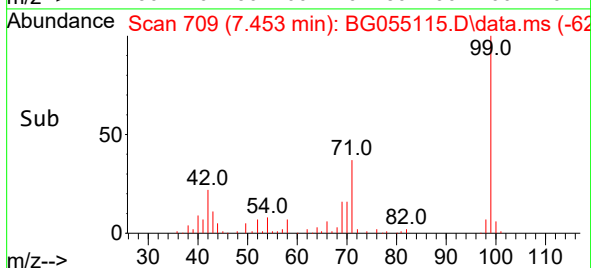
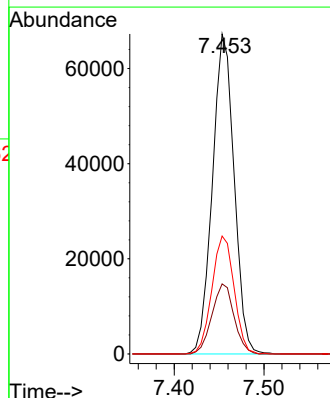
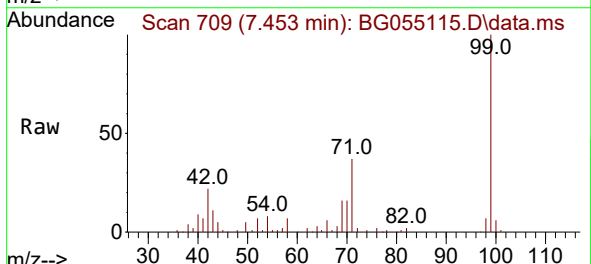
Instrument :
BNA_G
ClientSampleId :
551B-1

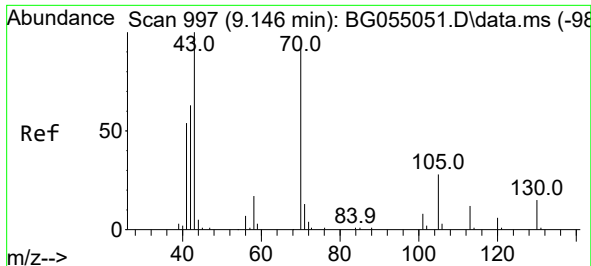
Tgt Ion:112 Resp: 130202
Ion Ratio Lower Upper
112 100
64 63.5 54.5 81.7
63 36.6 30.5 45.7



#7
Phenol-d6
Concen: 57.680 ng
RT: 7.453 min Scan# 709
Delta R.T. -0.009 min
Lab File: BG055115.D
Acq: 10 Oct 2022 16:40

Tgt Ion: 99 Resp: 112782
Ion Ratio Lower Upper
99 100
42 21.9 18.6 28.0
71 36.9 31.2 46.8

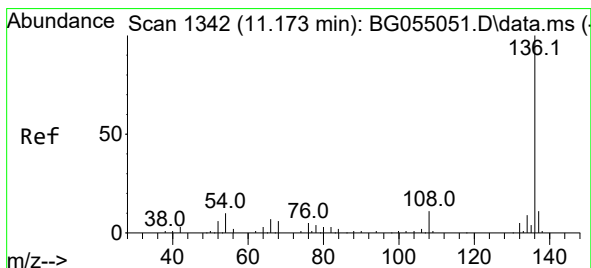
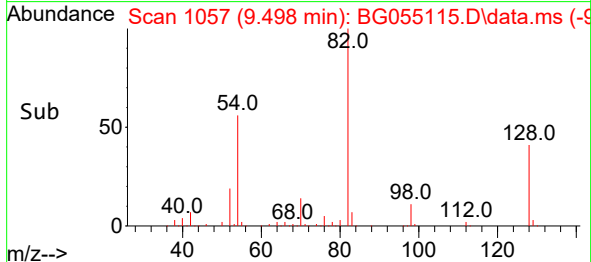
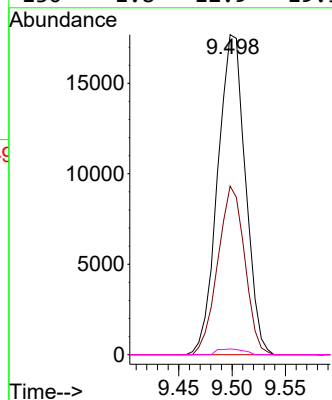
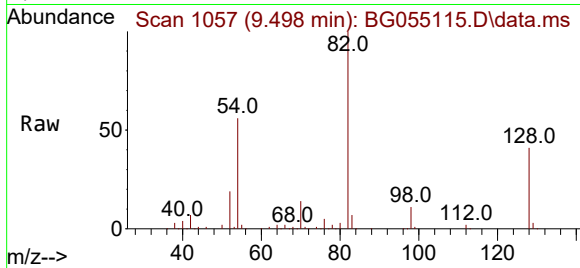




#19
n-Nitroso-di-n-propylamine
Concen: 16.874 ng
RT: 9.498 min Scan# 1057
Delta R.T. 0.361 min
Lab File: BG055115.D
Acq: 10 Oct 2022 16:40

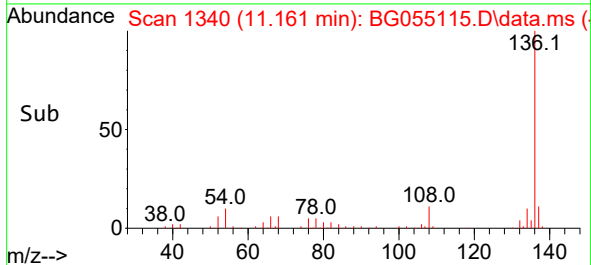
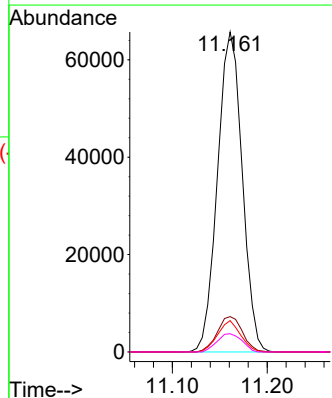
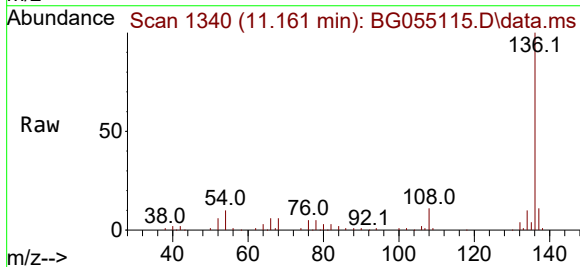
Instrument :
BNA_G
ClientSampleId :
551B-1

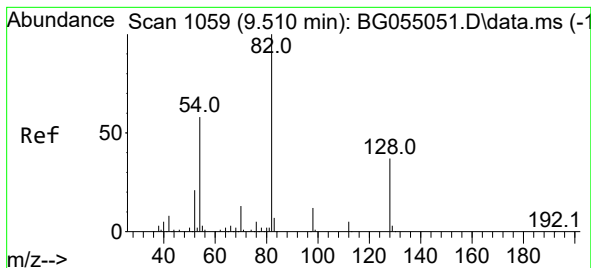
Tgt Ion: 70 Resp: 31961
Ion Ratio Lower Upper
70 100
42 52.7 55.8 83.6#
101 0.0 7.1 10.7#
130 1.8 12.9 19.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.161 min Scan# 1340
Delta R.T. -0.009 min
Lab File: BG055115.D
Acq: 10 Oct 2022 16:40

Tgt Ion:136 Resp: 118998
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 9.8 8.2 12.4
68 5.7 4.9 7.3





#23

Nitrobenzene-d5

Concen: 112.518 ng

RT: 9.498 min Scan# 1057

Delta R.T. -0.009 min

Lab File: BG055115.D

Acq: 10 Oct 2022 16:40

Instrument :

BNA_G

ClientSampleId :

551B-1

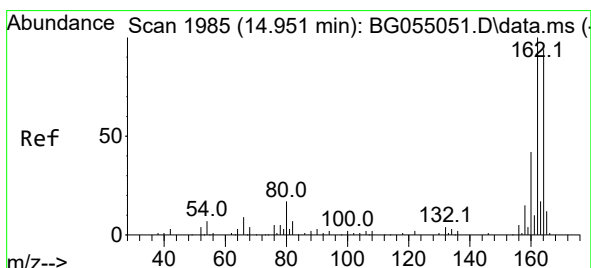
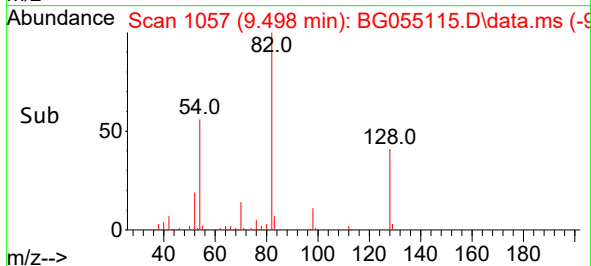
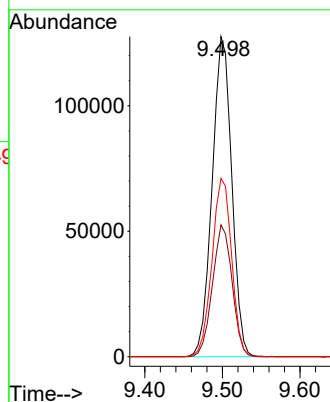
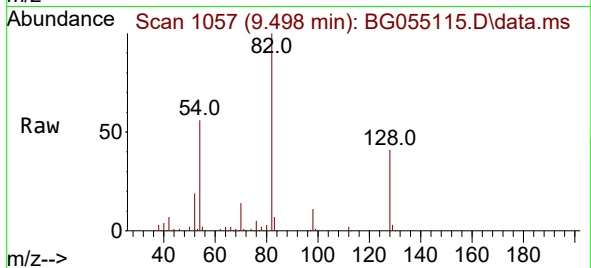
Tgt Ion: 82 Resp: 224075

Ion Ratio Lower Upper

82 100

128 41.2 29.5 44.3

54 55.7 46.7 70.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.939 min Scan# 1983

Delta R.T. -0.003 min

Lab File: BG055115.D

Acq: 10 Oct 2022 16:40

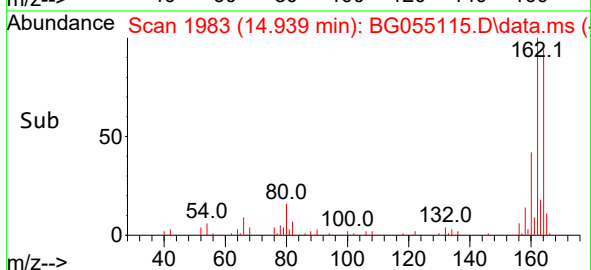
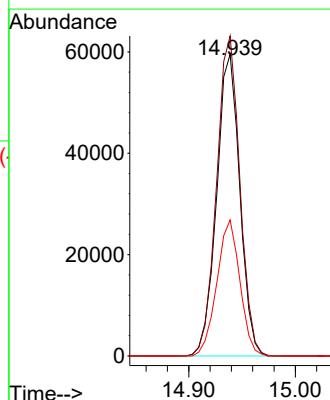
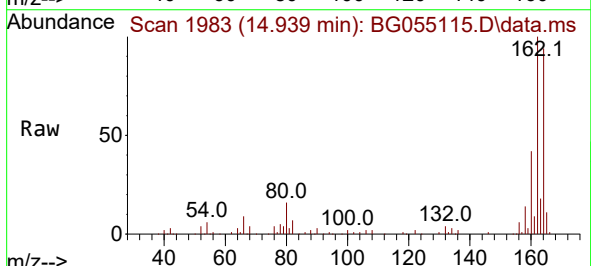
Tgt Ion: 164 Resp: 89707

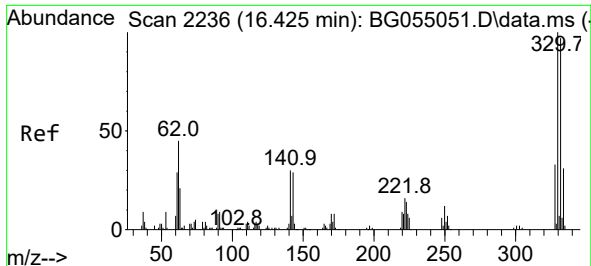
Ion Ratio Lower Upper

164 100

162 106.1 85.5 128.3

160 45.1 35.5 53.3

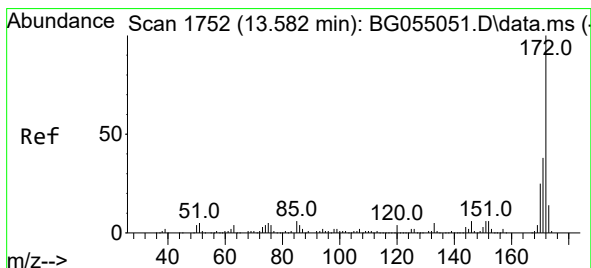
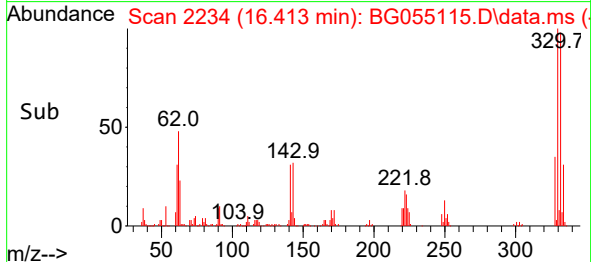
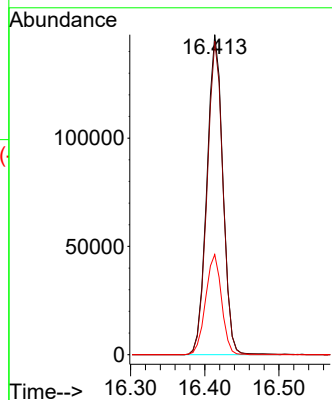
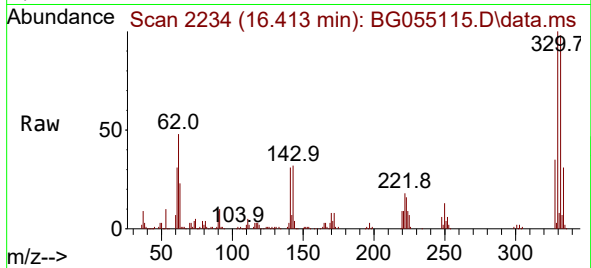




#42
2,4,6-Tribromophenol
Concen: 231.951 ng
RT: 16.413 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG055115.D
Acq: 10 Oct 2022 16:40

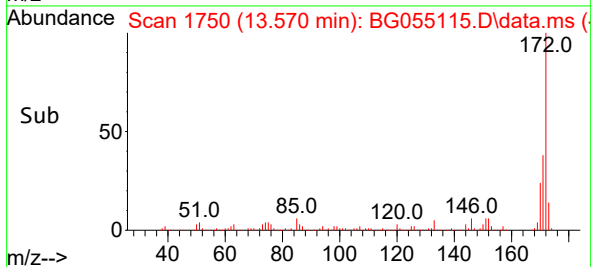
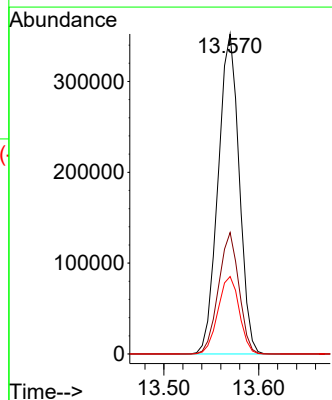
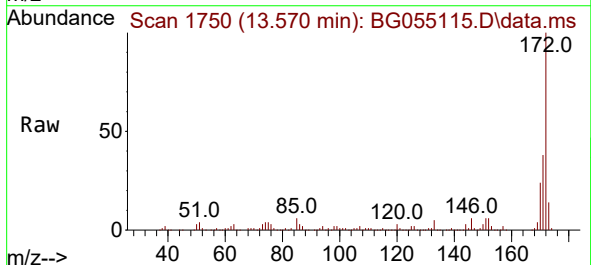
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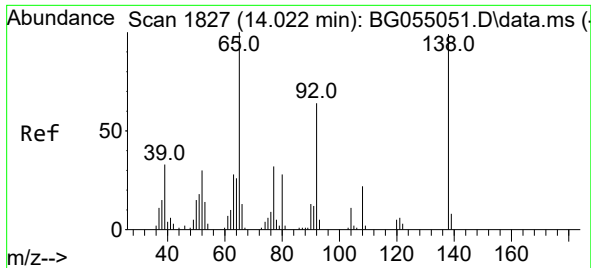
Tgt Ion:330 Resp: 221064
Ion Ratio Lower Upper
330 100
332 97.1 77.4 116.0
141 31.3 25.0 37.4



#45
2-Fluorobiphenyl
Concen: 94.635 ng
RT: 13.570 min Scan# 1750
Delta R.T. -0.003 min
Lab File: BG055115.D
Acq: 10 Oct 2022 16:40

Tgt Ion:172 Resp: 543800
Ion Ratio Lower Upper
172 100
171 37.9 30.1 45.1
170 24.2 20.0 30.0

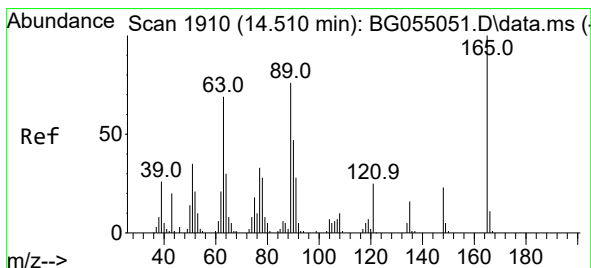
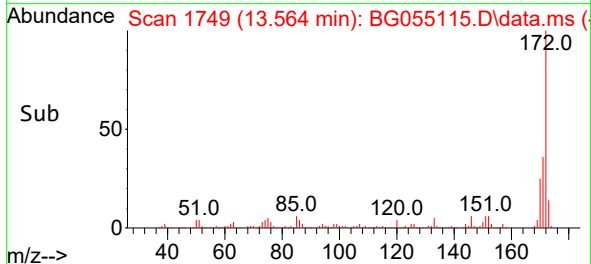
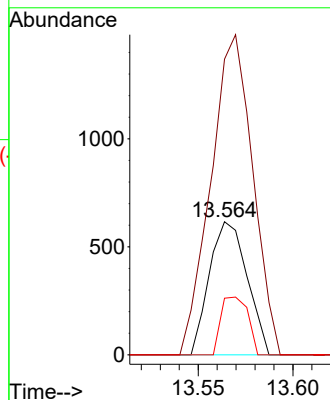
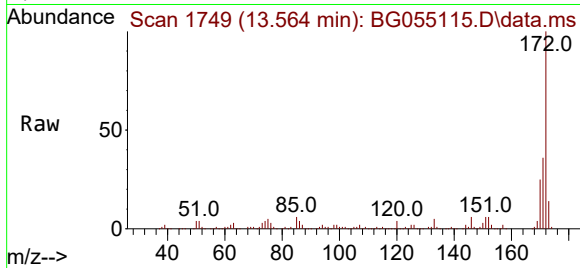




#48
2-Nitroaniline
Concen: 4.641 ng
RT: 13.564 min Scan# 11
Delta R.T. -0.455 min
Lab File: BG055115.D
Acq: 10 Oct 2022 16:40

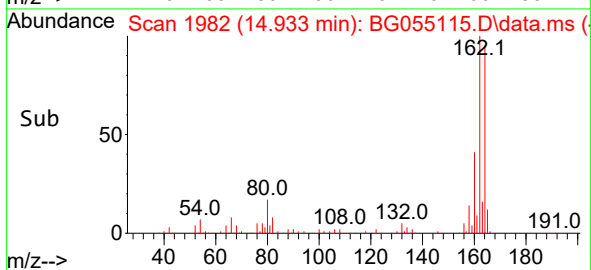
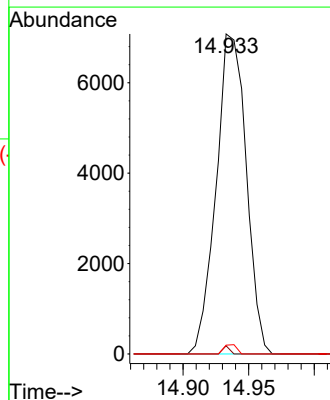
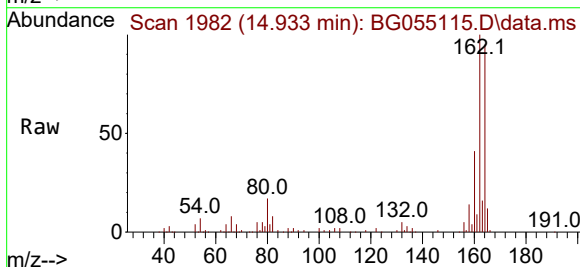
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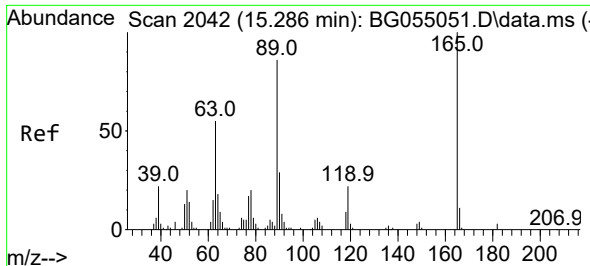
Tgt Ion: 65 Resp: 852
Ion Ratio Lower Upper
65 100
92 222.2 50.9 76.3#
138 42.5 79.5 119.3#



#51
2,6-Dinitrotoluene
Concen: 11.895 ng
RT: 14.933 min Scan# 1982
Delta R.T. 0.426 min
Lab File: BG055115.D
Acq: 10 Oct 2022 16:40

Tgt Ion:165 Resp: 11290
Ion Ratio Lower Upper
165 100
63 2.5 56.2 84.4#
89 2.8 60.4 90.6#

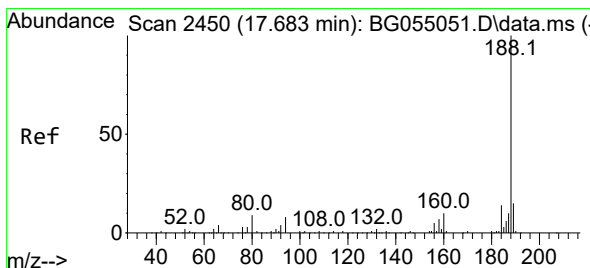
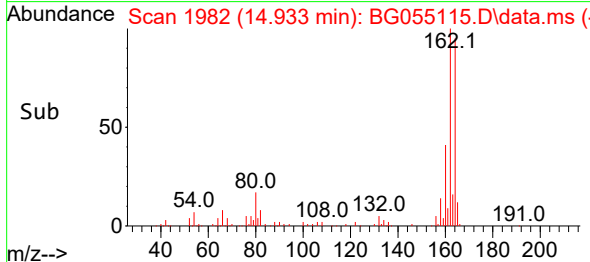
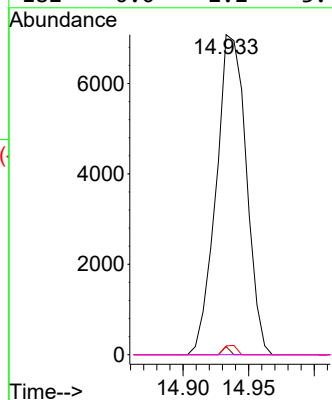
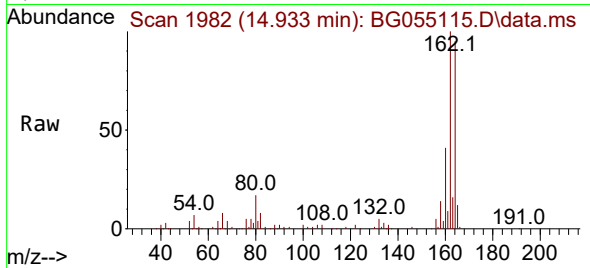




#57
2,4-Dinitrotoluene
Concen: 9.737 ng
RT: 14.933 min Scan# 14
Delta R.T. -0.350 min
Lab File: BG055115.D
Acq: 10 Oct 2022 16:40

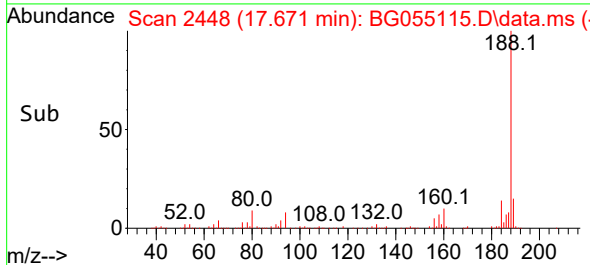
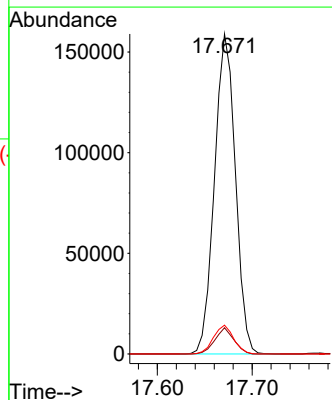
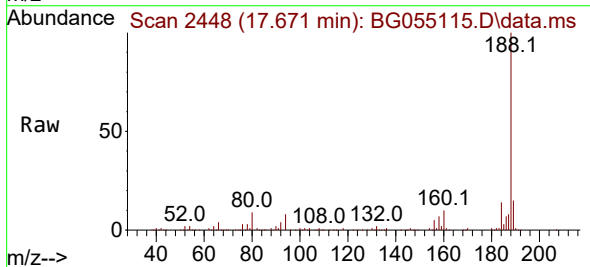
Instrument :
BNA_G
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551B-1

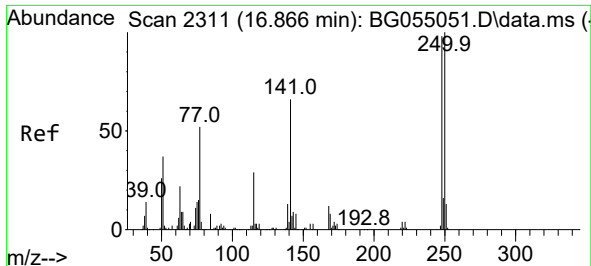
Tgt Ion:165 Resp: 11290
Ion Ratio Lower Upper
165 100
63 2.5 44.2 66.2#
89 2.8 69.0 103.6#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.671 min Scan# 2448
Delta R.T. -0.003 min
Lab File: BG055115.D
Acq: 10 Oct 2022 16:40

Tgt Ion:188 Resp: 243487
Ion Ratio Lower Upper
188 100
94 8.2 6.2 9.2
80 9.0 7.2 10.8

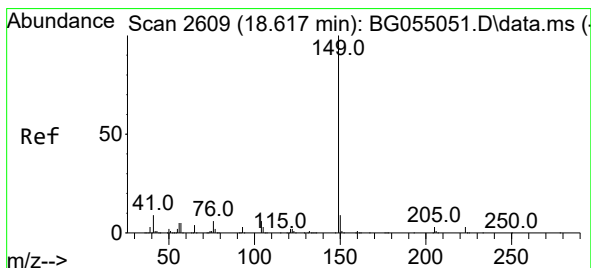
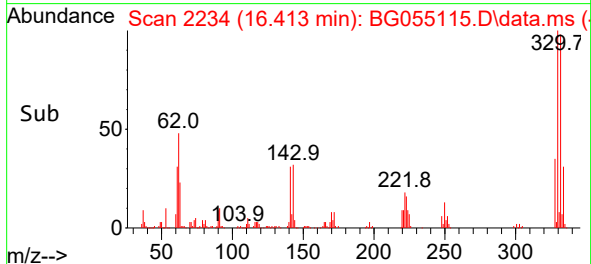
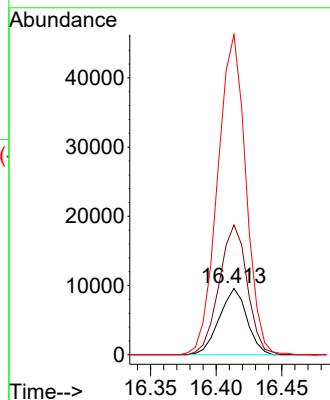
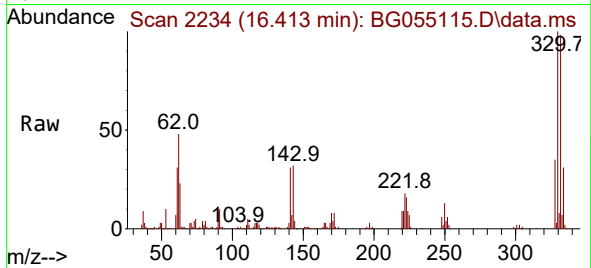




#67
4-Bromophenyl-phenylether
Concen: 5.422 ng
RT: 16.413 min Scan# 21
Delta R.T. -0.444 min
Lab File: BG055115.D
Acq: 10 Oct 2022 16:40

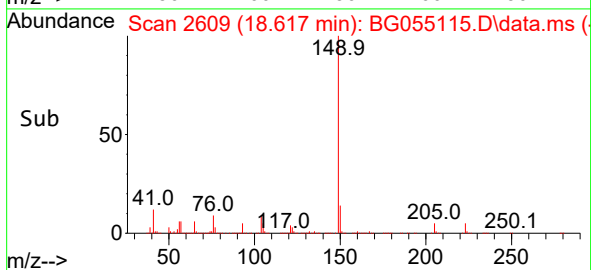
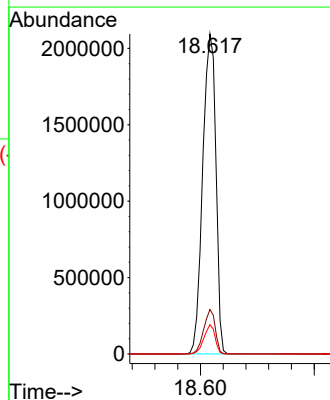
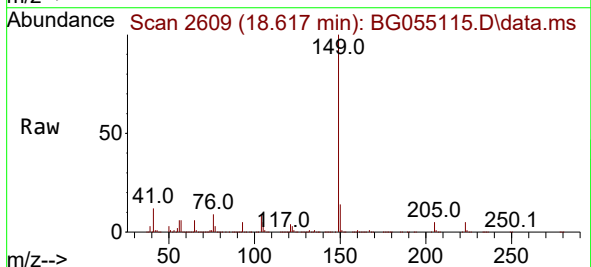
Instrument :
BNA_G
ClientSampleId :
551B-1

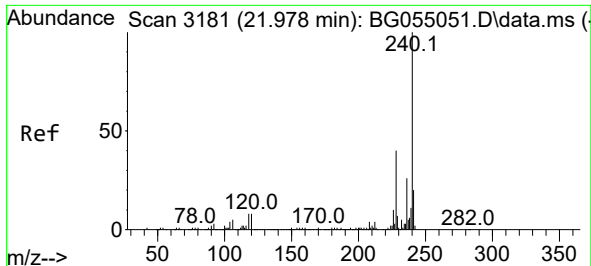
Tgt Ion:248 Resp: 13963
Ion Ratio Lower Upper
248 100
250 195.8 81.7 122.5#
141 482.7 53.7 80.5#



#74
Di-n-butylphthalate
Concen: 295.158 ng
RT: 18.617 min Scan# 2609
Delta R.T. 0.009 min
Lab File: BG055115.D
Acq: 10 Oct 2022 16:40

Tgt Ion:149 Resp: 3364208
Ion Ratio Lower Upper
149 100
150 13.9 7.5 11.3#
104 9.1 4.8 7.2#

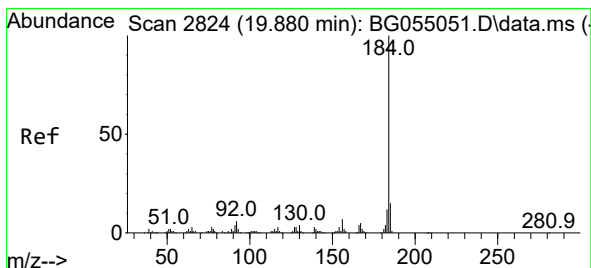
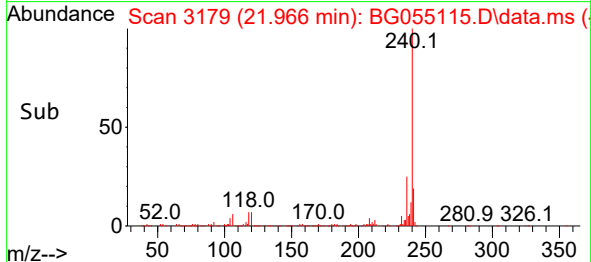
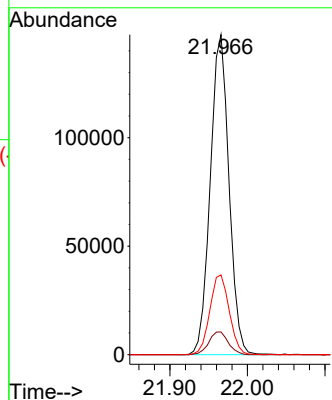
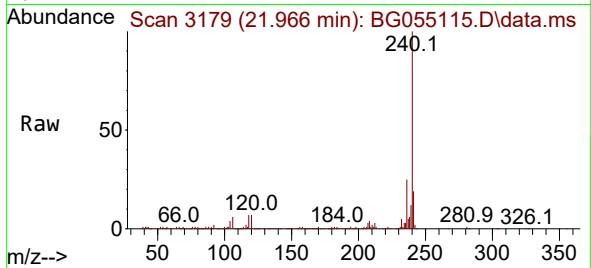




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.966 min Scan# 3181
Delta R.T. -0.003 min
Lab File: BG055115.D
Acq: 10 Oct 2022 16:40

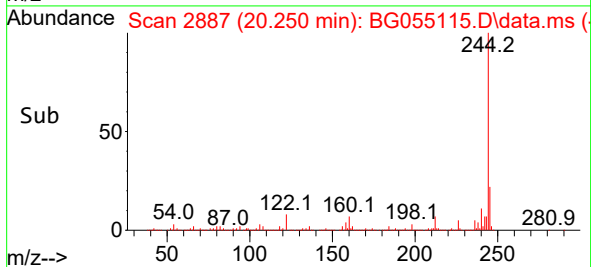
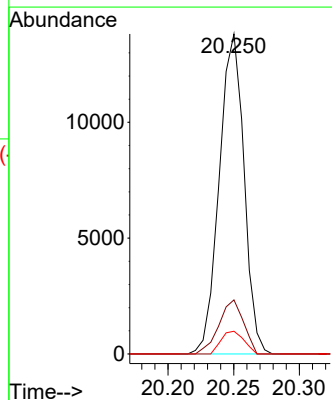
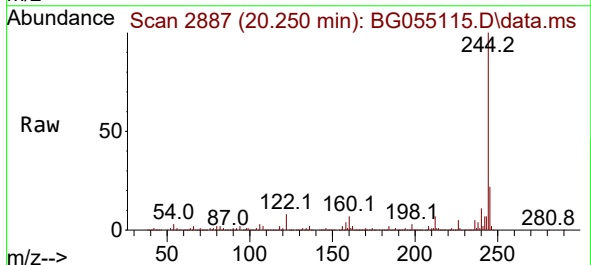
Instrument :
BNA_G
ClientSampleId :
551B-1

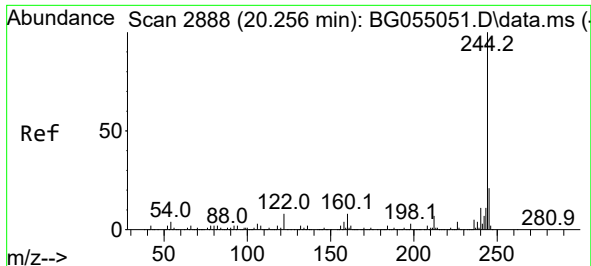
Tgt Ion:240 Resp: 247421
Ion Ratio Lower Upper
240 100
120 7.1 6.2 9.4
236 24.9 20.6 30.8



#77
Benzidine
Concen: 4.247 ng
RT: 20.250 min Scan# 2887
Delta R.T. 0.379 min
Lab File: BG055115.D
Acq: 10 Oct 2022 16:40

Tgt Ion:184 Resp: 18101
Ion Ratio Lower Upper
184 100
185 16.9 12.2 18.4
183 7.1 9.4 14.0#

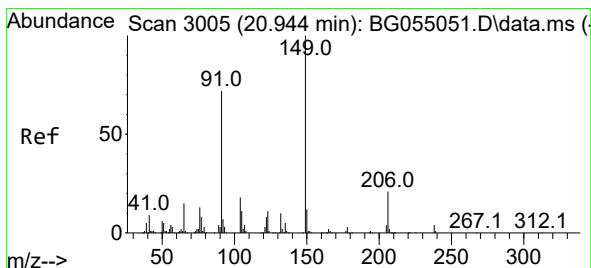
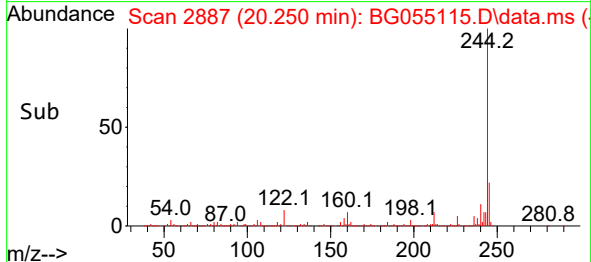
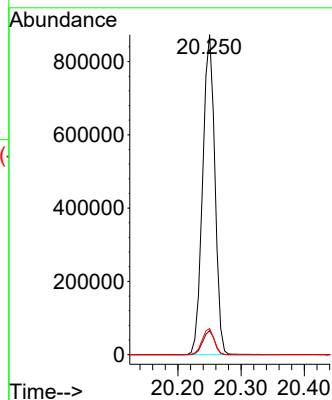
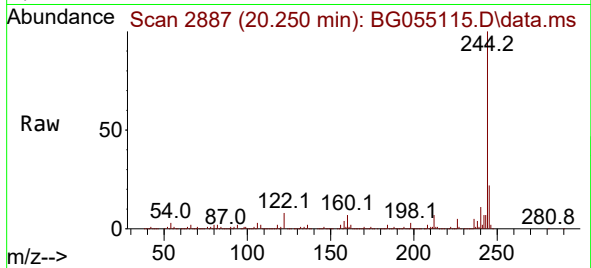




#79
 Terphenyl-d14
 Concen: 95.719 ng
 RT: 20.250 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG055115.D
 Acq: 10 Oct 2022 16:40

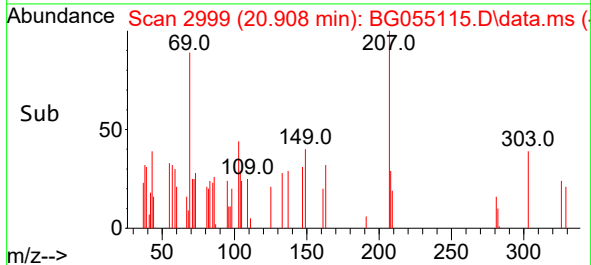
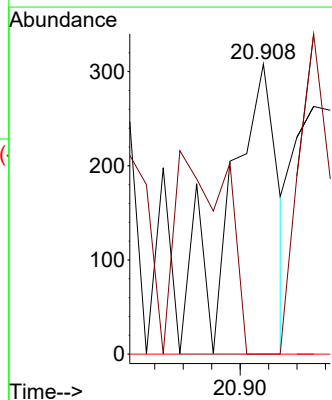
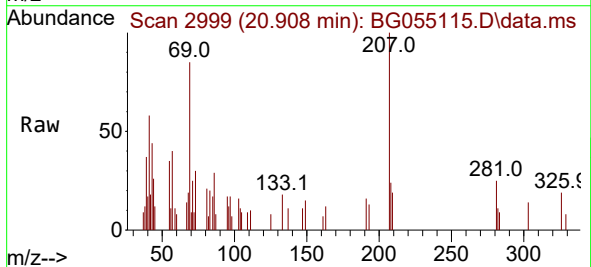
Instrument :
 BNA_G
 ClientSampleId :
 551B-1

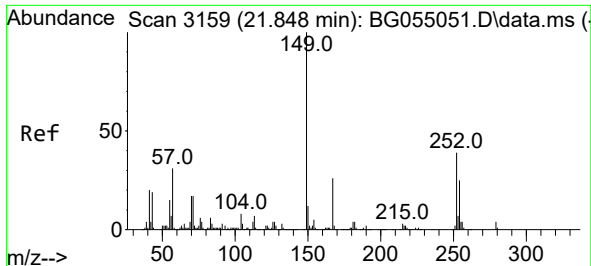
Tgt Ion:244 Resp: 1171729
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.0 9.0
 122 8.2 6.6 10.0



#80
 Butylbenzylphthalate
 Concen: 4.905 ng
 RT: 20.908 min Scan# 2999
 Delta R.T. -0.027 min
 Lab File: BG055115.D
 Acq: 10 Oct 2022 16:40

Tgt Ion:149 Resp: 379
 Ion Ratio Lower Upper
 149 100
 91 0.0 57.8 86.8#
 206 0.0 16.9 25.3#

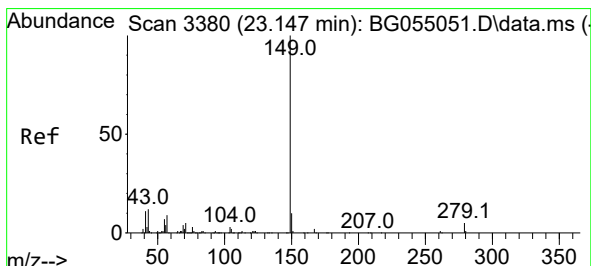
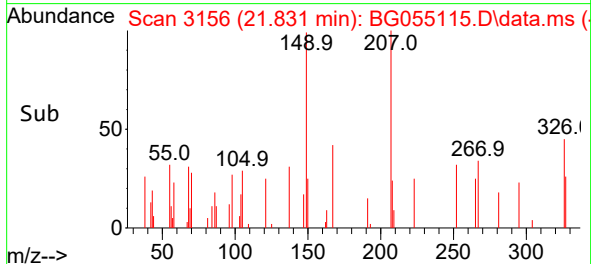
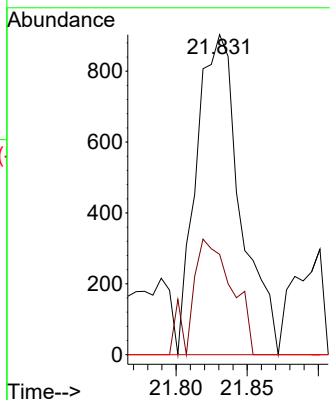
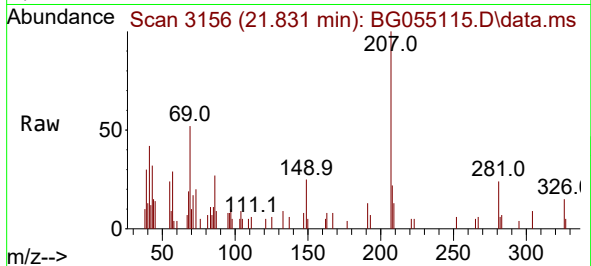




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.333 ng
 RT: 21.831 min Scan# 3159
 Delta R.T. -0.003 min
 Lab File: BG055115.D
 Acq: 10 Oct 2022 16:40

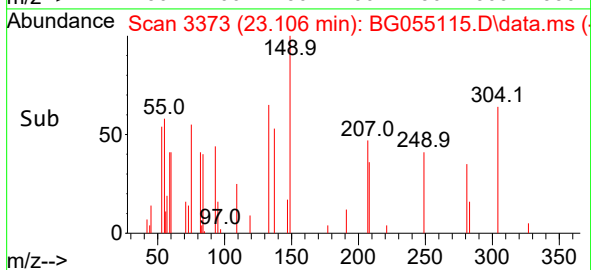
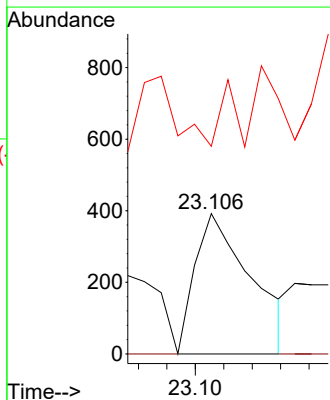
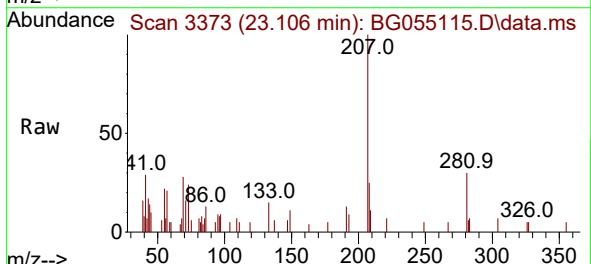
Instrument :
 BNA_G
 ClientSampleId :
 551B-1

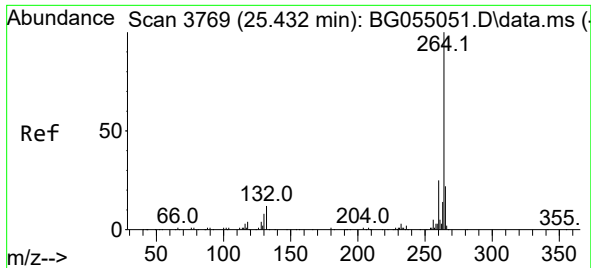
Tgt Ion:149 Resp: 1950
 Ion Ratio Lower Upper
 149 100
 167 31.3 21.0 31.4
 279 0.0 3.4 5.2#



#85
 Di-n-octyl phthalate
 Concen: 4.378 ng
 RT: 23.106 min Scan# 3373
 Delta R.T. -0.021 min
 Lab File: BG055115.D
 Acq: 10 Oct 2022 16:40

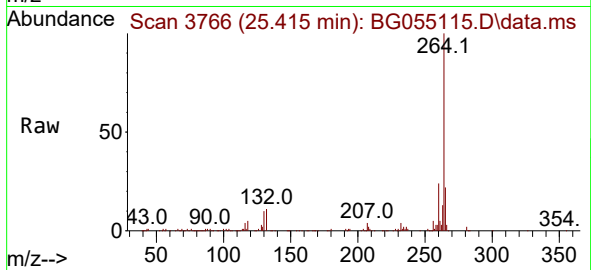
Tgt Ion:149 Resp: 534
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.3 1.9#
 43 36.9 10.2 15.4#





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.415 min Scan# 31
Delta R.T. -0.003 min
Lab File: BG055115.D
Acq: 10 Oct 2022 16:40

Instrument :
BNA_G
ClientSampleId :
551B-1



Tgt Ion:264 Resp: 263303

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.7	29.5
265	22.3	17.8	26.6

