

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111222\
 Data File : BG055589.D
 Acq On : 12 Nov 2022 14:28
 Operator : CG/JU
 Sample : N5414-01 RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW3

Quant Time: Nov 14 03:26:45 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 10 03:39:46 2022
 Response via : Initial Calibration

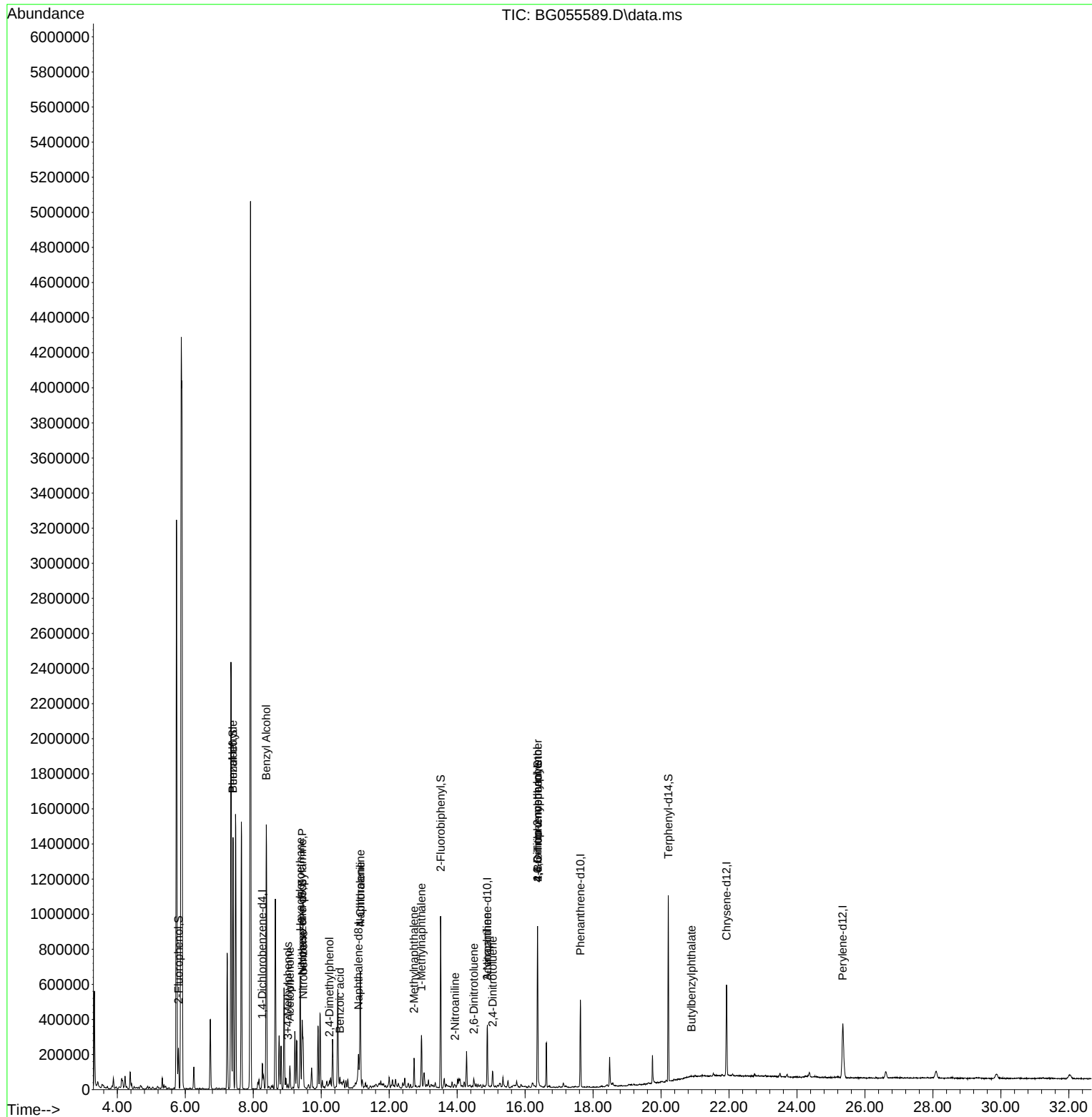
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.267	152	40963	20.000	ng	0.00
21) Naphthalene-d8	11.099	136	163017	20.000	ng	0.00
39) Acenaphthene-d10	14.889	164	122557	20.000	ng	0.00
64) Phenanthrene-d10	17.627	188	321306	20.000	ng	0.00
76) Chrysene-d12	21.928	240	336127	20.000	ng	0.00
86) Perylene-d12	25.347	264	345046	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.799	112	96556	44.897	ng	0.00
7) Phenol-d6	7.403	99	76070	25.607	ng	0.00
23) Nitrobenzene-d5	9.442	82	212661	88.437	ng	0.00
42) 2,4,6-Tribromophenol	16.369	330	191326	159.999	ng	0.00
45) 2-Fluorobiphenyl	13.514	172	506923	62.391	ng	0.00
79) Terphenyl-d14	20.218	244	538983	32.207	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.403	77	102477	43.722	ng	# 1
15) Benzyl Alcohol	8.385	79	83100	32.078	ng	# 5
18) Hexachloroethane	9.383	117	69616	68.893	ng	# 1
19) n-Nitroso-di-n-propyla...	9.442	70	29329	11.946	ng	# 74
20) 3+4-Methylphenols	9.019	107	10708	3.194	ng	# 97
22) Acetophenone	9.078	105	92808	21.402	ng	# 55
24) Nitrobenzene	9.472	77	8453	3.056	ng	# 5
27) 2,4-Dimethylphenol	10.241	122	12578	5.726	ng	# 97
31) Naphthalene	11.152	128	522835	59.322	ng	# 100
32) Benzoic acid	10.547	122	4072	8.252	ng	# 95
33) 4-Chloroaniline	11.152	127	71807	19.491	ng	# 35
37) 2-Methylnaphthalene	12.732	142	79396	11.990	ng	# 97
38) 1-Methylnaphthalene	12.950	142	124425	19.209	ng	# 100
48) 2-Nitroaniline	13.937	65	967	4.286	ng	# 30
51) 2,6-Dinitrotoluene	14.489	165	1087	3.773	ng	# 67
53) 3-Nitroaniline	14.889	138	58	3.806	ng	# 1
57) 2,4-Dinitrotoluene	15.047	165	1484	4.257	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.364	198	486	2.519	ng	# 1
67) 4-Bromophenyl-phenylether	16.369	248	12699	3.874	ng	# 1
80) Butylbenzylphthalate	20.899	149	978	3.469	ng	# 63

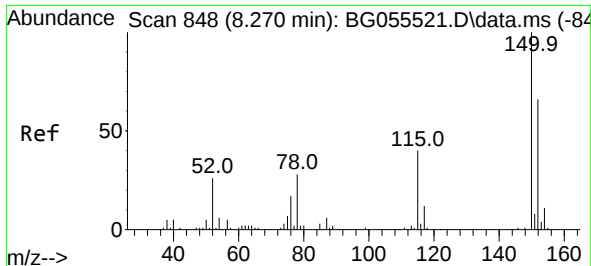
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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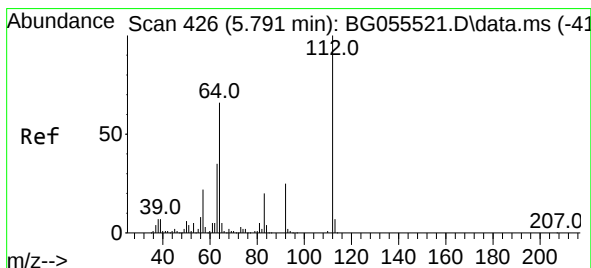
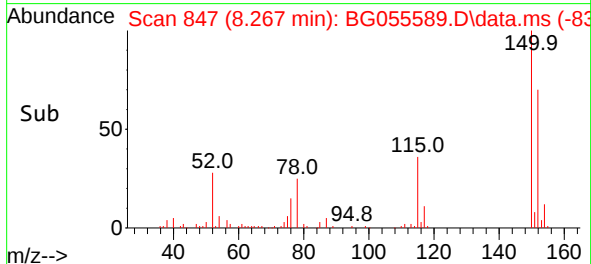
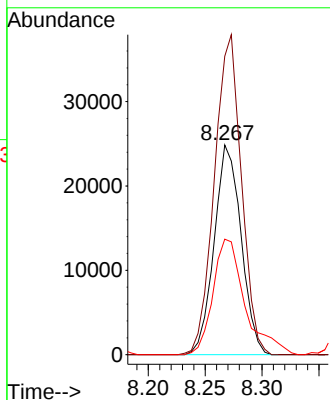
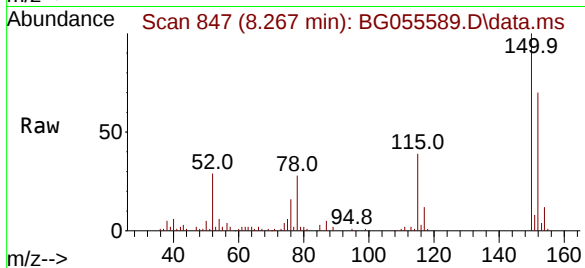




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.267 min Scan# 84
Delta R.T. -0.003 min
Lab File: BG055589.D
Acq: 12 Nov 2022 14:28

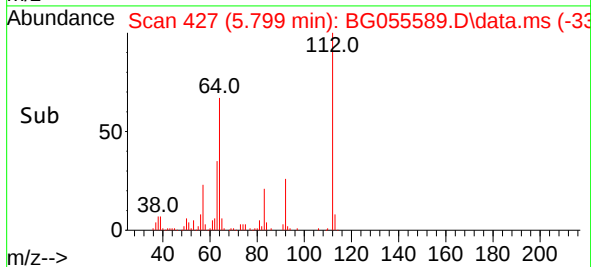
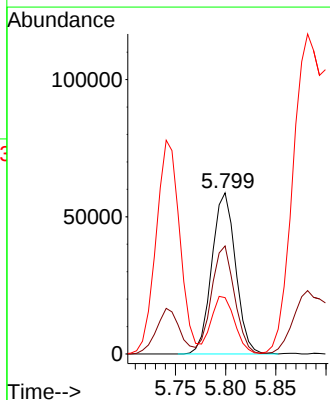
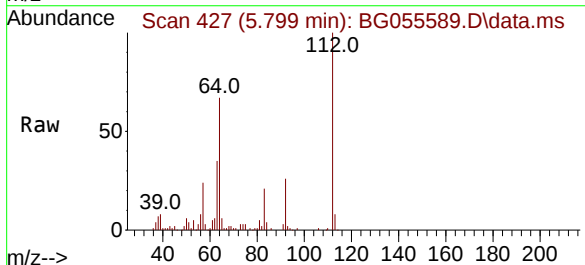
Instrument :
BNA_G
ClientSampleId :
MW3

Tgt Ion:152 Resp: 40963
Ion Ratio Lower Upper
152 100
150 142.3 121.0 181.4
115 55.1 47.8 71.8



#5
2-Fluorophenol
Concen: 44.897 ng
RT: 5.799 min Scan# 427
Delta R.T. 0.008 min
Lab File: BG055589.D
Acq: 12 Nov 2022 14:28

Tgt Ion:112 Resp: 96556
Ion Ratio Lower Upper
112 100
64 67.1 52.6 78.8
63 35.0 28.3 42.5

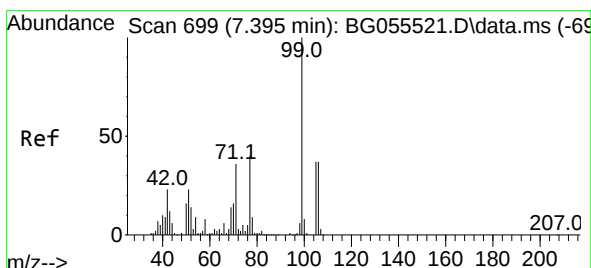
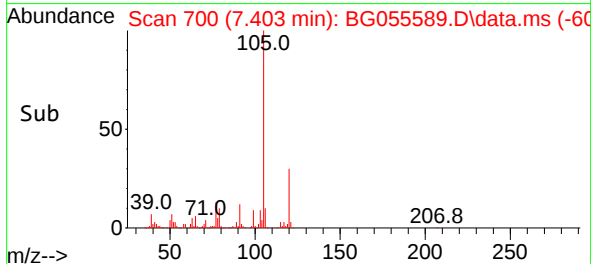
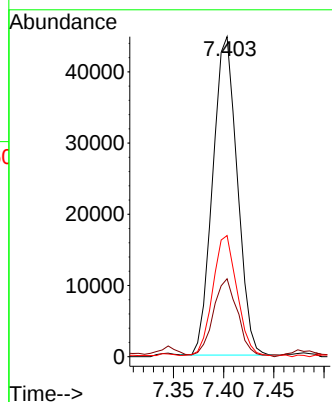
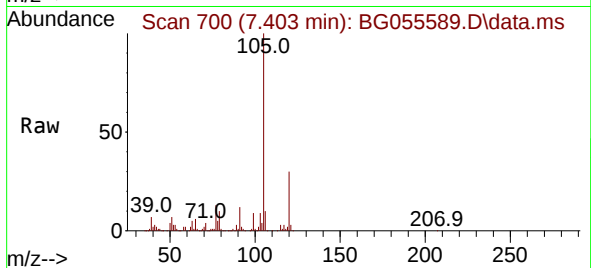




#7
Phenol-d6
Concen: 25.607 ng
RT: 7.403 min Scan# 700
Delta R.T. 0.002 min
Lab File: BG055589.D
Acq: 12 Nov 2022 14:28

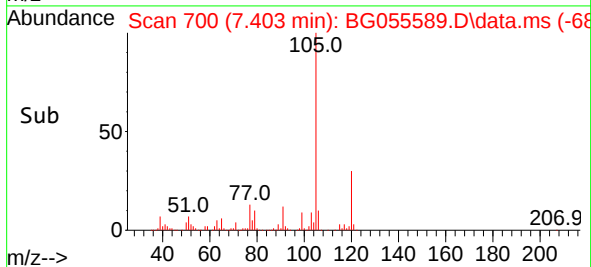
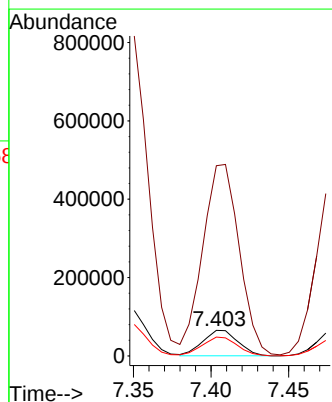
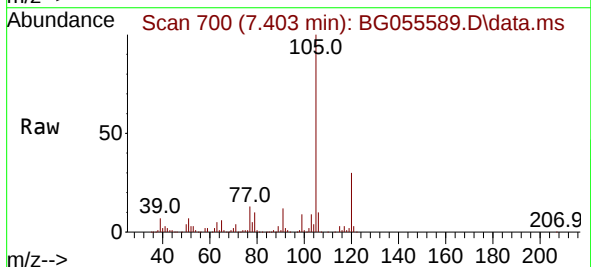
Instrument :
BNA_G
ClientSampleId :
MW3

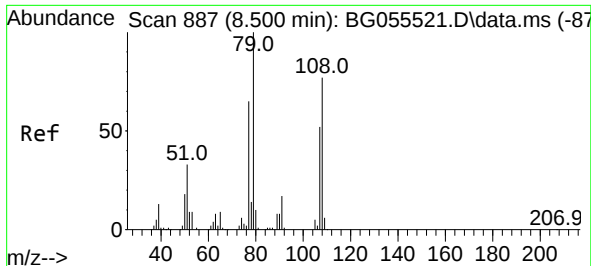
Tgt Ion: 99 Resp: 76070
Ion Ratio Lower Upper
99 100
42 24.4 17.5 26.3
71 37.8 28.3 42.5



#9
Benzaldehyde
Concen: 43.722 ng
RT: 7.403 min Scan# 700
Delta R.T. 0.008 min
Lab File: BG055589.D
Acq: 12 Nov 2022 14:28

Tgt Ion: 77 Resp: 102477
Ion Ratio Lower Upper
77 100
105 744.9 73.9 113.9#
106 74.0 73.1 113.1

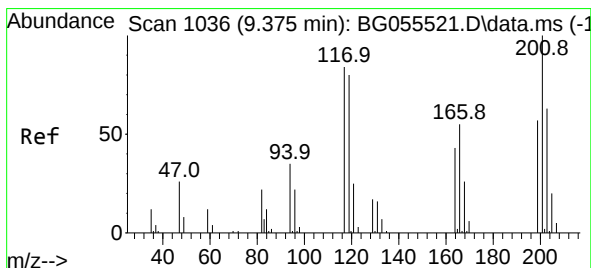
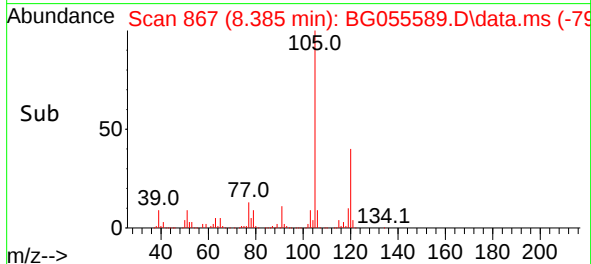
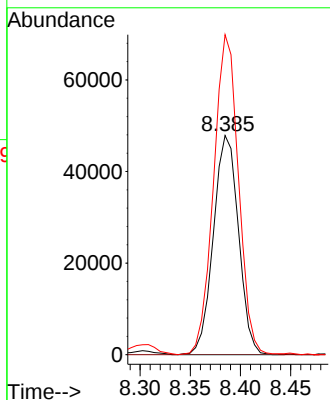
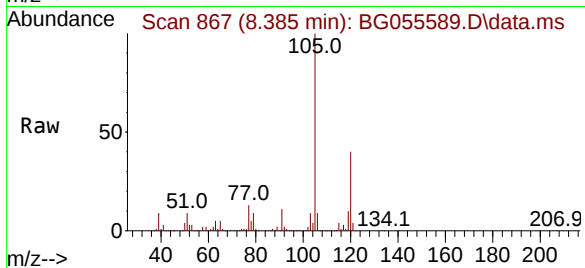




#15
Benzyl Alcohol
Concen: 32.078 ng
RT: 8.385 min Scan# 80
Delta R.T. -0.115 min
Lab File: BG055589.D
Acq: 12 Nov 2022 14:28

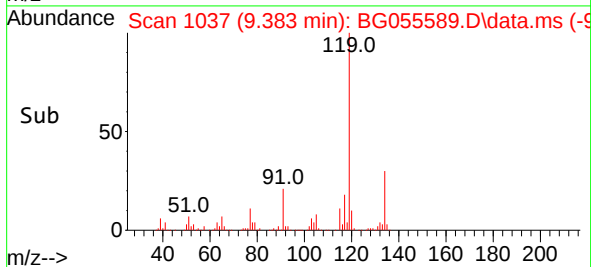
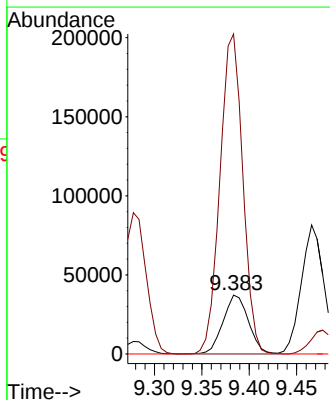
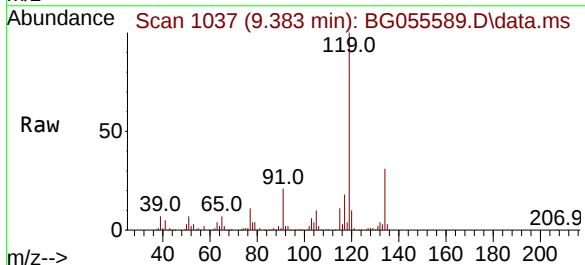
Instrument :
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ClientSampleId :
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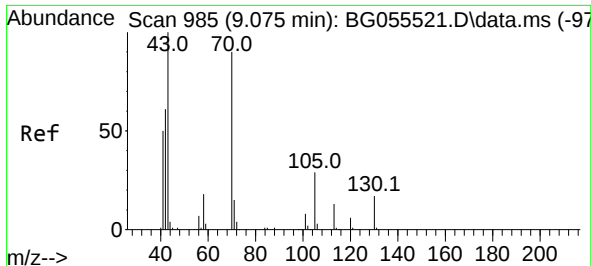
Tgt Ion: 79 Resp: 83100
Ion Ratio Lower Upper
79 100
108 0.0 61.8 92.6#
77 145.9 52.4 78.6#



#18
Hexachloroethane
Concen: 68.893 ng
RT: 9.383 min Scan# 1037
Delta R.T. 0.008 min
Lab File: BG055589.D
Acq: 12 Nov 2022 14:28

Tgt Ion: 117 Resp: 69616
Ion Ratio Lower Upper
117 100
119 543.3 77.3 115.9#
201 0.0 94.8 142.2#





#19

n-Nitroso-di-n-propylamine

Concen: 11.946 ng

RT: 9.442 min Scan# 1047

Delta R.T. 0.367 min

Lab File: BG055589.D

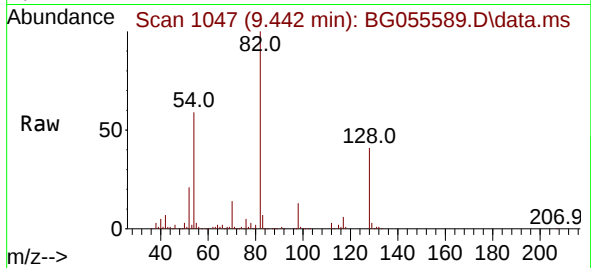
Acq: 12 Nov 2022 14:28

Instrument :

BNA_G

ClientSampleId :

MW3



Tgt Ion: 70 Resp: 29329

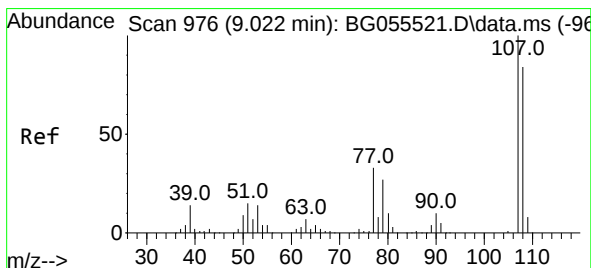
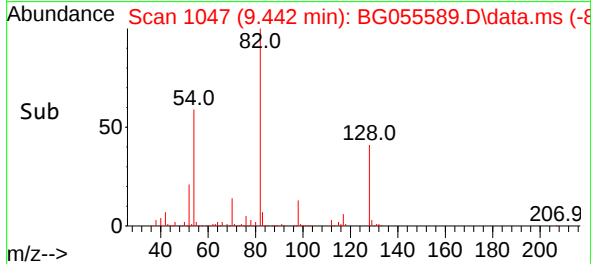
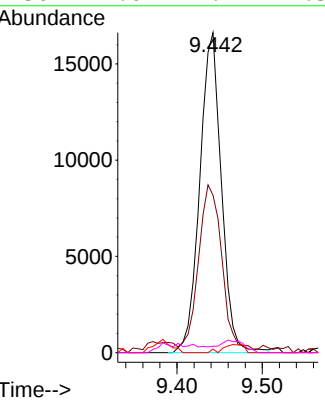
Ion Ratio Lower Upper

70 100

42 49.2 54.8 82.2#

101 1.2 6.8 10.2#

130 2.0 14.9 22.3#



#20

3+4-Methylphenols

Concen: 3.194 ng

RT: 9.019 min Scan# 975

Delta R.T. -0.003 min

Lab File: BG055589.D

Acq: 12 Nov 2022 14:28

Tgt Ion: 107 Resp: 10708

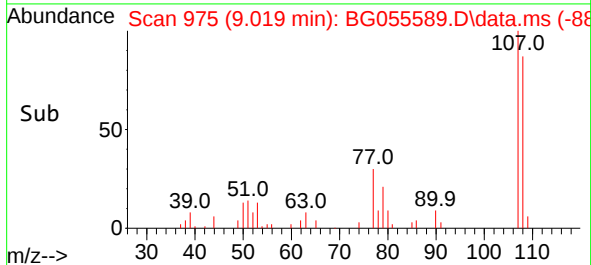
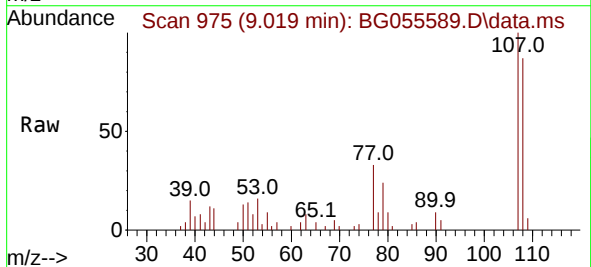
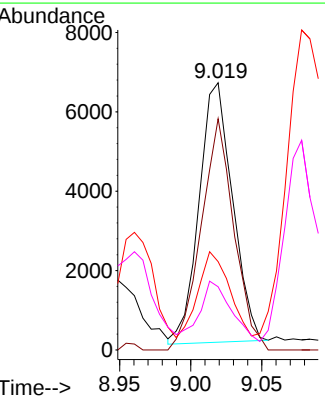
Ion Ratio Lower Upper

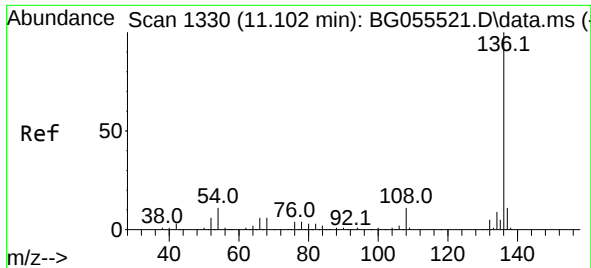
107 100

108 86.5 63.9 103.9

77 33.0 13.2 53.2

79 23.6 7.6 47.6

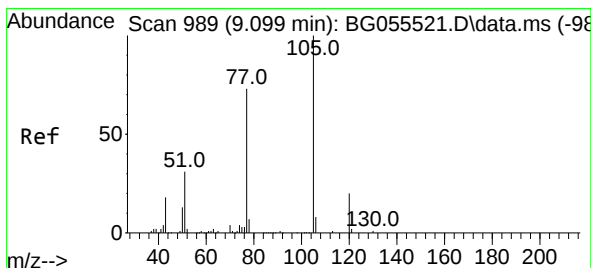
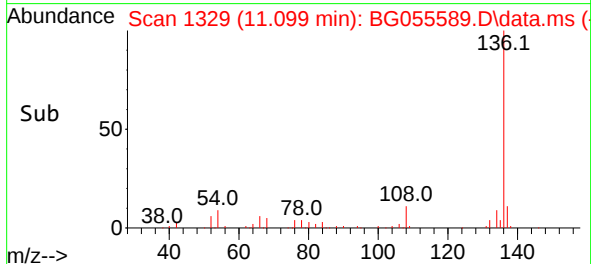
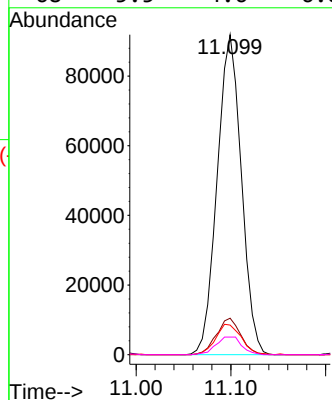
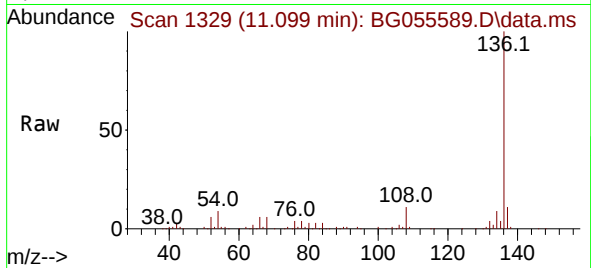




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.099 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG055589.D
Acq: 12 Nov 2022 14:28

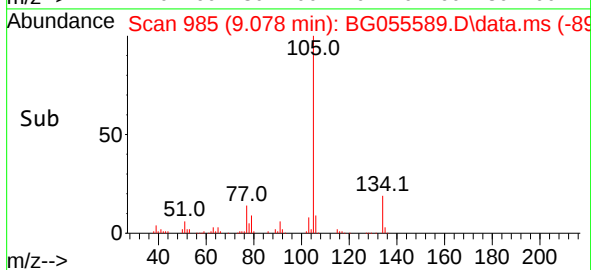
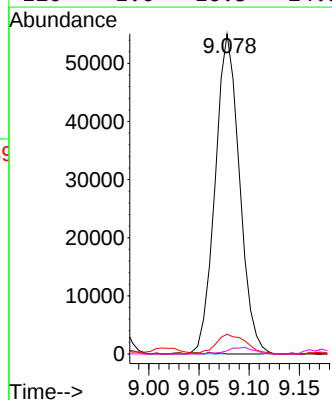
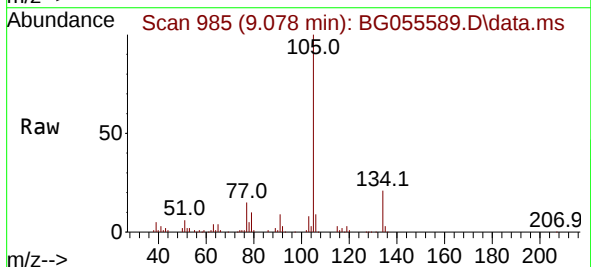
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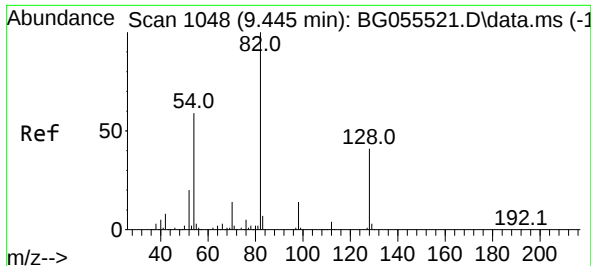
Tgt Ion:136 Resp: 163017
Ion Ratio Lower Upper
136 100
137 11.4 8.6 12.8
54 9.3 8.6 12.8
68 5.5 4.6 6.8



#22
Acetophenone
Concen: 21.402 ng
RT: 9.078 min Scan# 985
Delta R.T. -0.021 min
Lab File: BG055589.D
Acq: 12 Nov 2022 14:28

Tgt Ion:105 Resp: 92808
Ion Ratio Lower Upper
105 100
71 0.0 0.8 1.2#
51 6.2 26.5 39.7#
120 1.0 16.3 24.5#

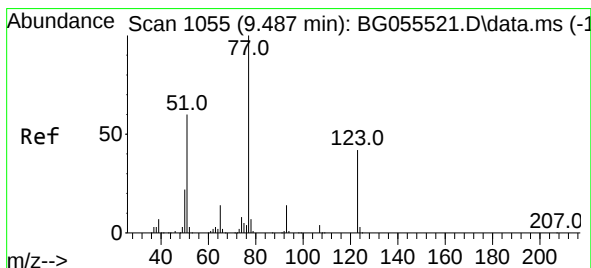
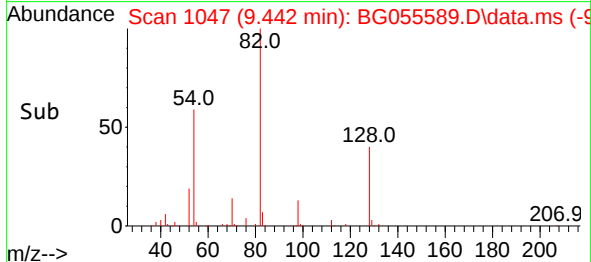
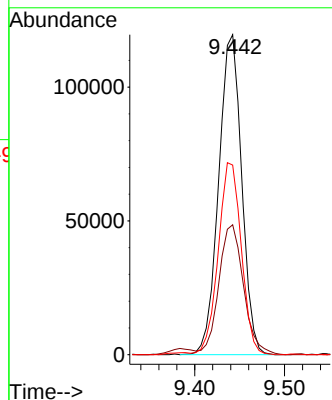
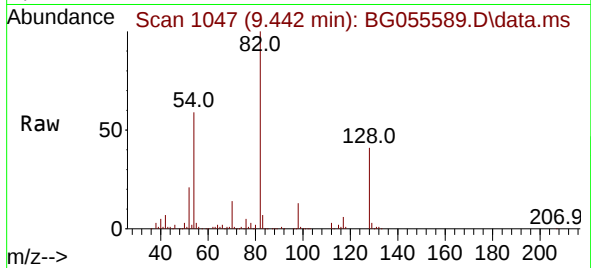




#23
Nitrobenzene-d5
Concen: 88.437 ng
RT: 9.442 min Scan# 1047
Delta R.T. -0.003 min
Lab File: BG055589.D
Acq: 12 Nov 2022 14:28

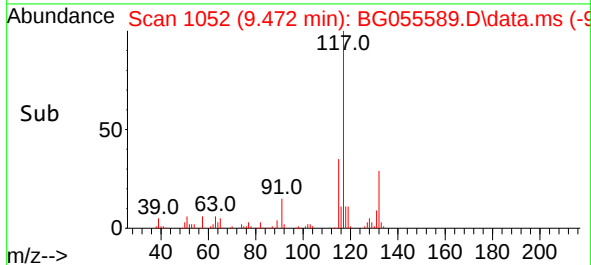
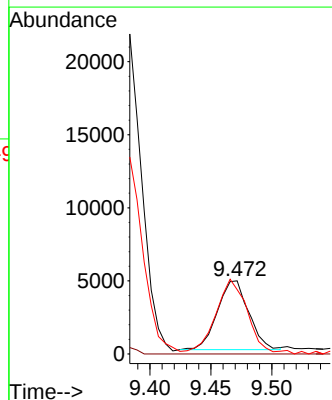
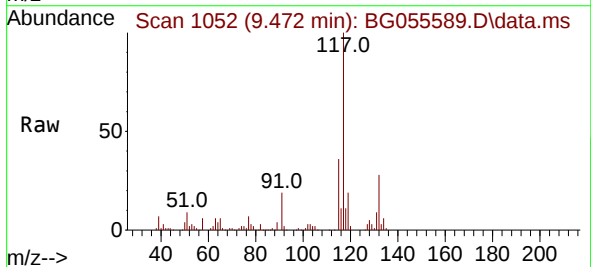
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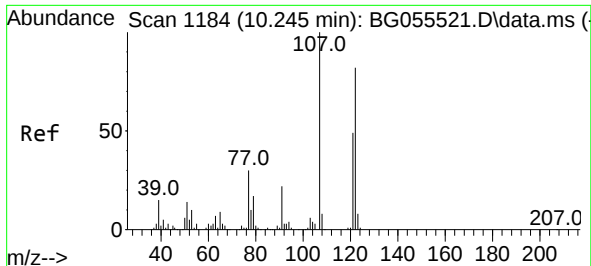
Tgt Ion: 82 Resp: 212661
Ion Ratio Lower Upper
82 100
128 40.6 32.6 49.0
54 59.2 47.3 70.9



#24
Nitrobenzene
Concen: 3.056 ng
RT: 9.472 min Scan# 1052
Delta R.T. -0.015 min
Lab File: BG055589.D
Acq: 12 Nov 2022 14:28

Tgt Ion: 77 Resp: 8453
Ion Ratio Lower Upper
77 100
123 0.0 33.4 50.2#
65 88.0 11.5 17.3#

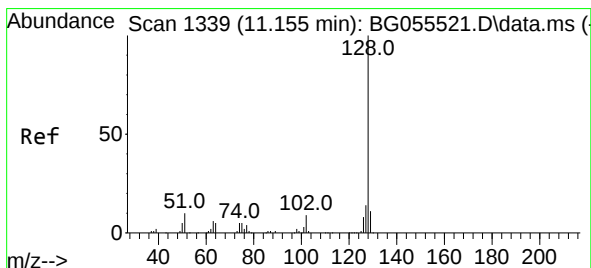
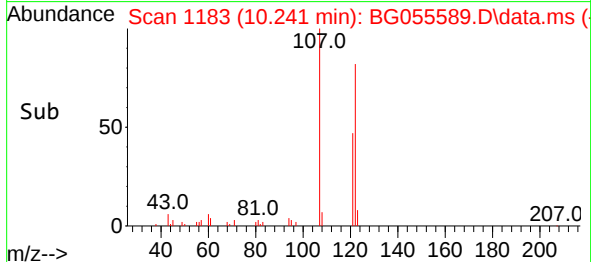
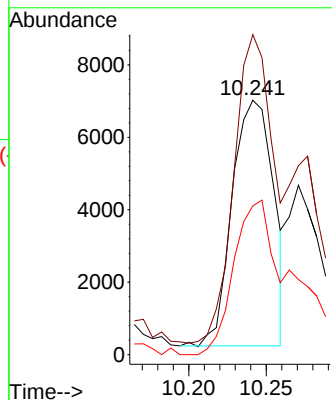
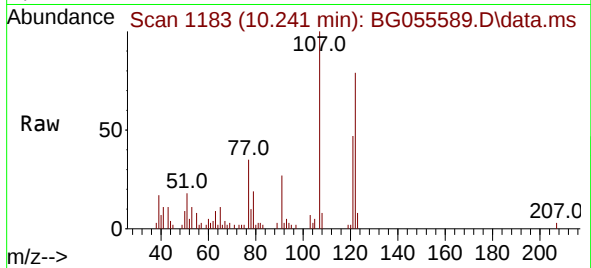




#27
2,4-Dimethylphenol
Concen: 5.726 ng
RT: 10.241 min Scan# 1183
Delta R.T. -0.004 min
Lab File: BG055589.D
Acq: 12 Nov 2022 14:28

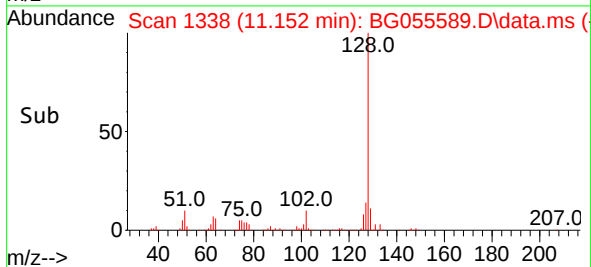
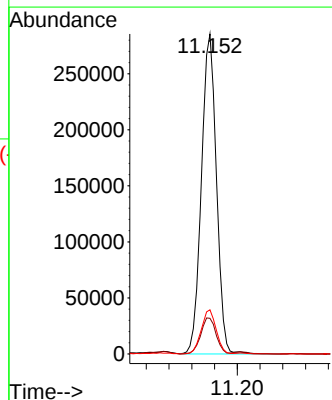
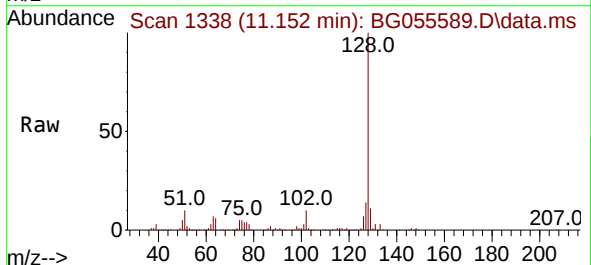
Instrument :
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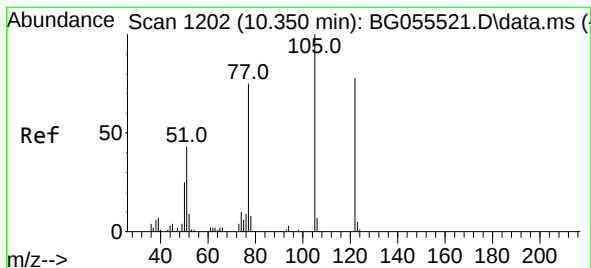
Tgt Ion:122 Resp: 12578
Ion Ratio Lower Upper
122 100
107 125.8 97.8 146.6
121 58.5 47.9 71.9



#31
Naphthalene
Concen: 59.322 ng
RT: 11.152 min Scan# 1338
Delta R.T. -0.003 min
Lab File: BG055589.D
Acq: 12 Nov 2022 14:28

Tgt Ion:128 Resp: 522835
Ion Ratio Lower Upper
128 100
129 11.1 8.7 13.1
127 13.8 11.1 16.7





#32

Benzoic acid

Concen: 8.252 ng

RT: 10.547 min Scan# 11

Delta R.T. 0.197 min

Lab File: BG055589.D

Acq: 12 Nov 2022 14:28

Instrument :

BNA_G

ClientSampleId :

MW3

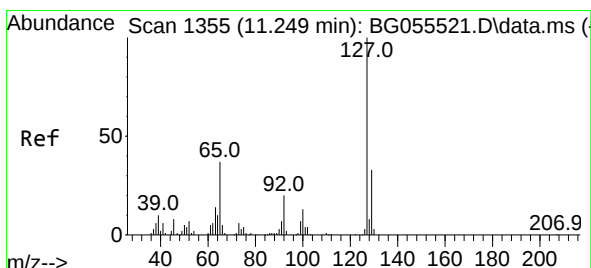
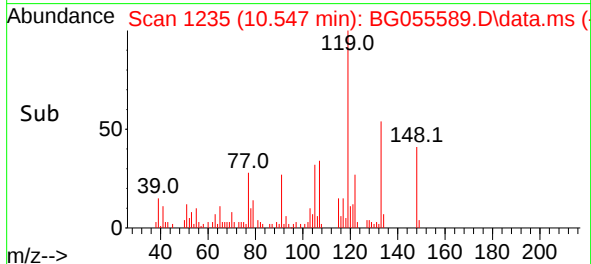
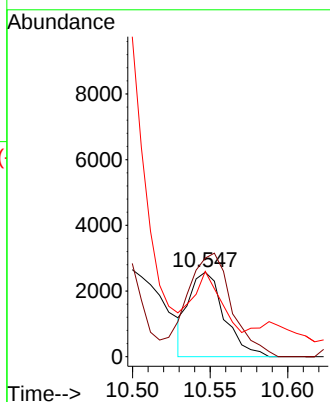
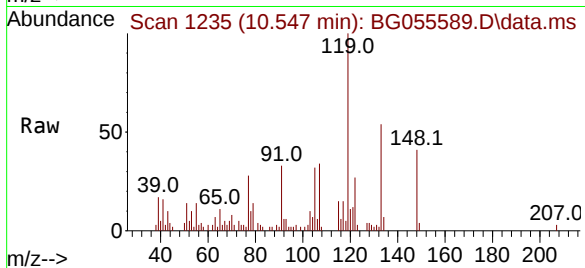
Tgt Ion:122 Resp: 4072

Ion Ratio Lower Upper

122 100

105 116.6 101.2 141.2

77 100.8 74.4 114.4



#33

4-Chloroaniline

Concen: 19.491 ng

RT: 11.152 min Scan# 1338

Delta R.T. -0.097 min

Lab File: BG055589.D

Acq: 12 Nov 2022 14:28

Tgt Ion:127 Resp: 71807

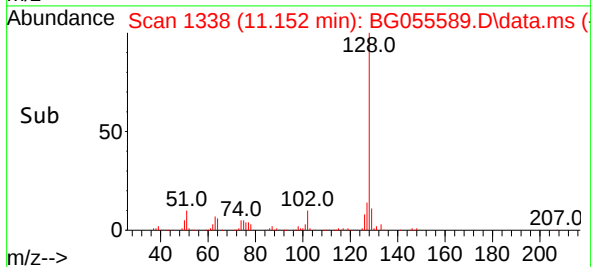
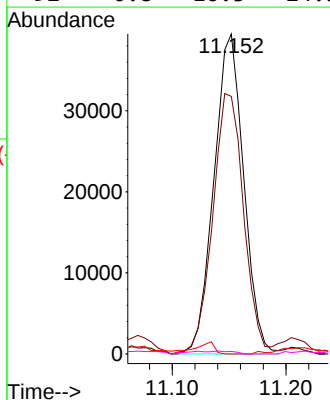
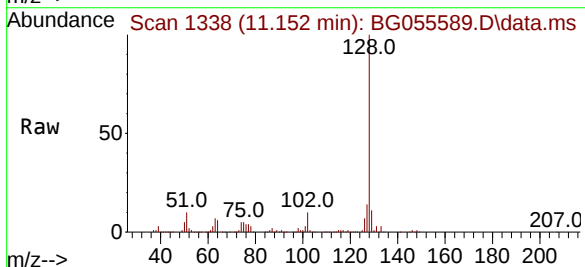
Ion Ratio Lower Upper

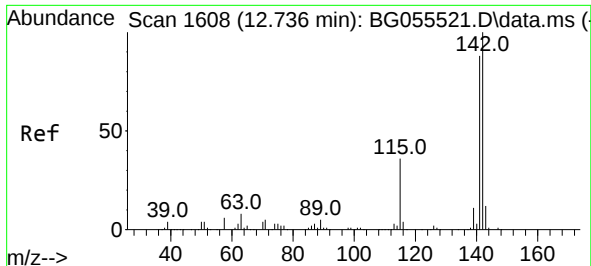
127 100

129 80.5 26.5 39.7#

65 0.0 29.3 43.9#

92 0.8 16.3 24.5#





#37

2-Methylnaphthalene

Concen: 11.990 ng

RT: 12.732 min Scan# 1

Delta R.T. -0.004 min

Lab File: BG055589.D

Acq: 12 Nov 2022 14:28

Instrument :

BNA_G

ClientSampleId :

MW3

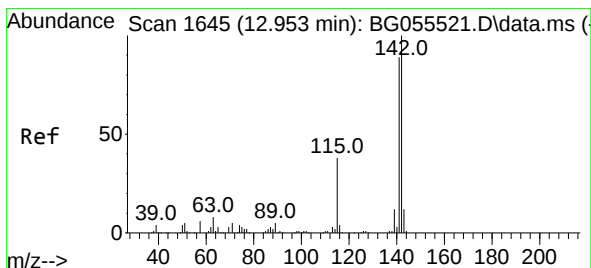
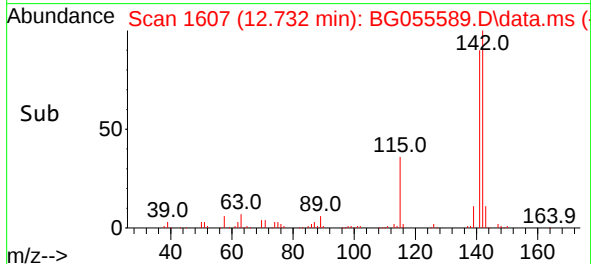
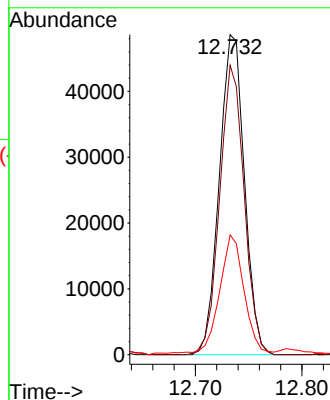
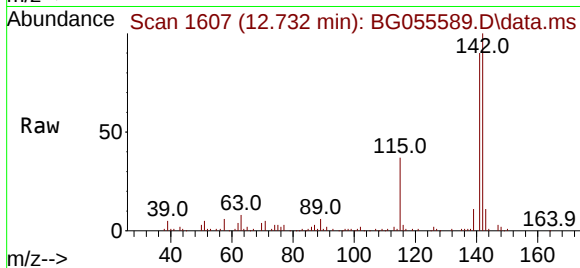
Tgt Ion:142 Resp: 79396

Ion Ratio Lower Upper

142 100

141 90.5 70.3 105.5

115 37.4 28.9 43.3



#38

1-Methylnaphthalene

Concen: 19.209 ng

RT: 12.950 min Scan# 1644

Delta R.T. -0.003 min

Lab File: BG055589.D

Acq: 12 Nov 2022 14:28

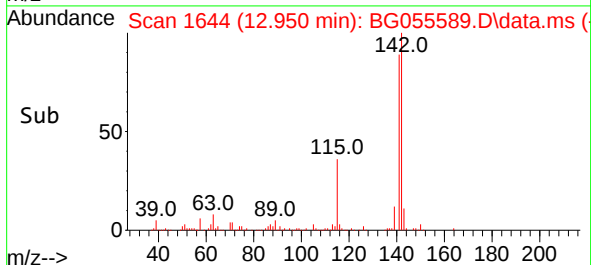
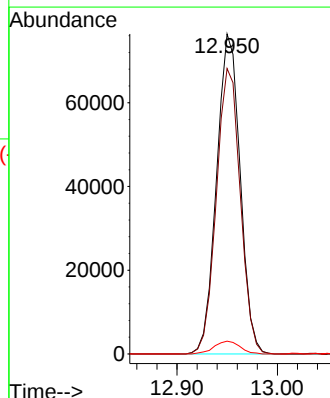
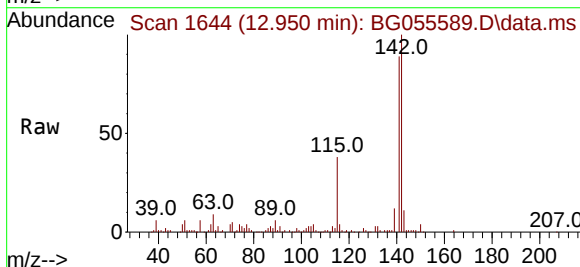
Tgt Ion:142 Resp: 124425

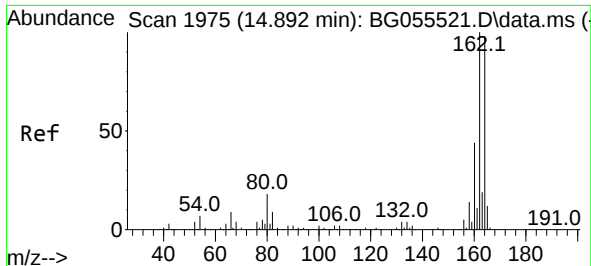
Ion Ratio Lower Upper

142 100

141 89.2 71.6 107.4

116 4.0 3.0 4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.889 min Scan# 1975

Delta R.T. -0.003 min

Lab File: BG055589.D

Acq: 12 Nov 2022 14:28

Instrument :

BNA_G

ClientSampleId :

MW3

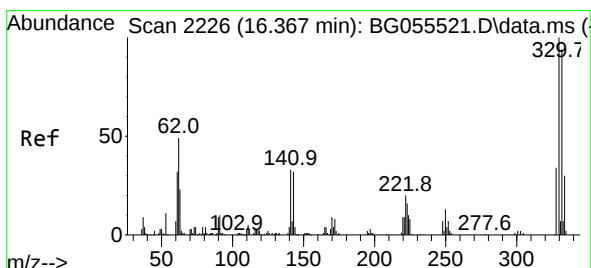
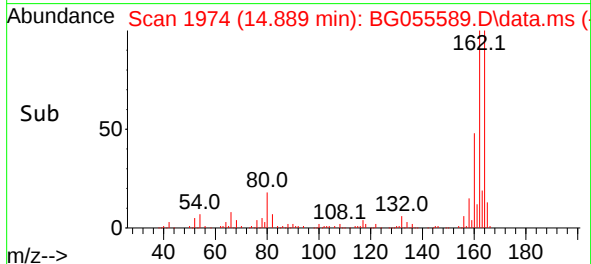
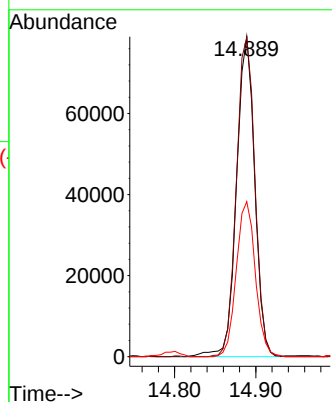
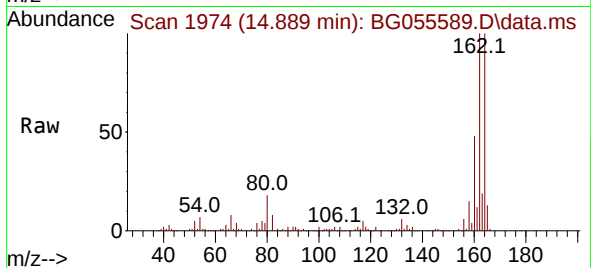
Tgt Ion:164 Resp: 122557

Ion Ratio Lower Upper

164 100

162 99.8 81.3 121.9

160 48.5 35.9 53.9



#42

2,4,6-Tribromophenol

Concen: 159.999 ng

RT: 16.369 min Scan# 2226

Delta R.T. 0.002 min

Lab File: BG055589.D

Acq: 12 Nov 2022 14:28

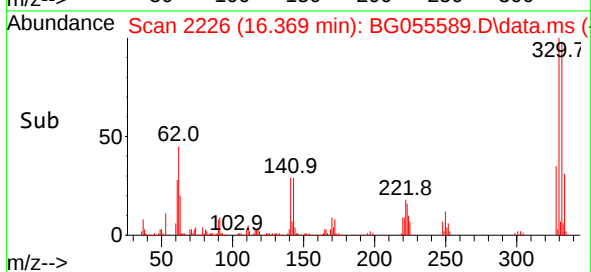
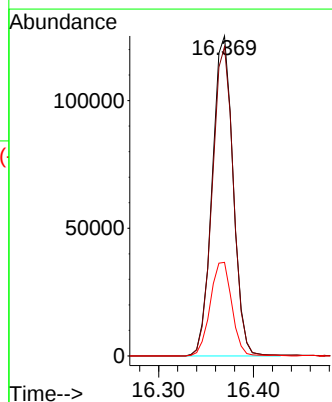
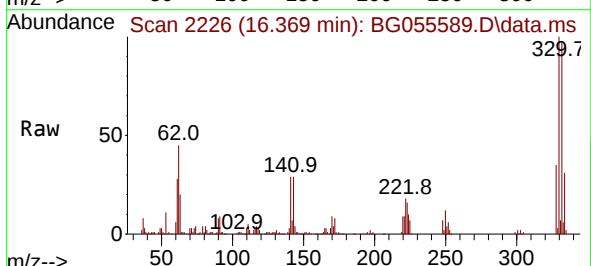
Tgt Ion:330 Resp: 191326

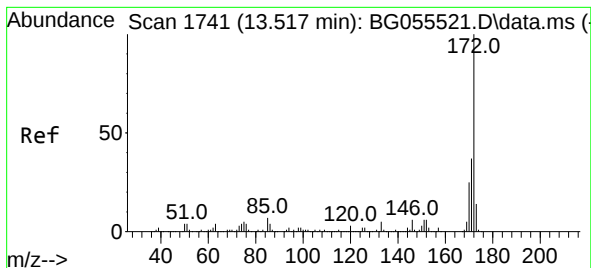
Ion Ratio Lower Upper

330 100

332 97.5 77.4 116.2

141 30.3 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 62.391 ng

RT: 13.514 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG055589.D

Acq: 12 Nov 2022 14:28

Instrument :

BNA_G

ClientSampleId :

MW3

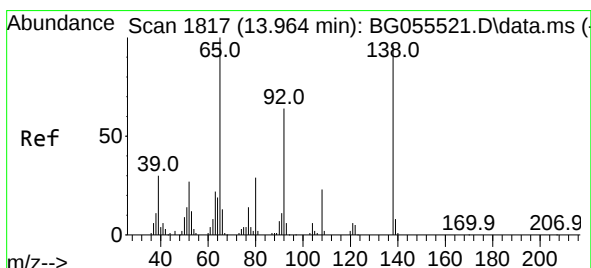
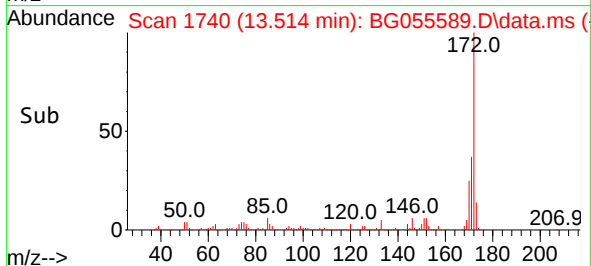
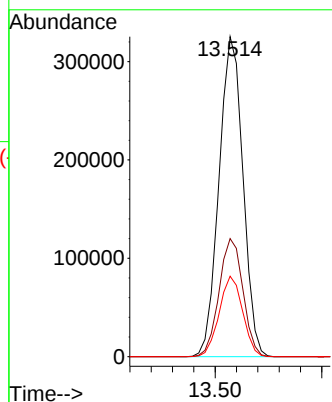
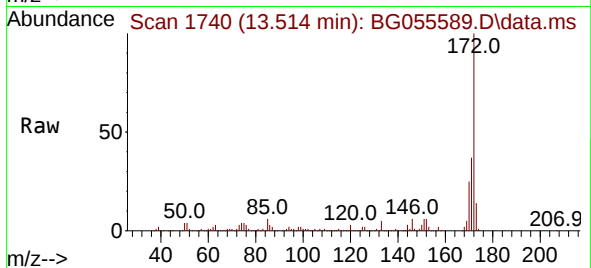
Tgt Ion:172 Resp: 506923

Ion Ratio Lower Upper

172 100

171 36.9 29.7 44.5

170 25.2 19.8 29.6



#48

2-Nitroaniline

Concen: 4.286 ng

RT: 13.937 min Scan# 1812

Delta R.T. -0.027 min

Lab File: BG055589.D

Acq: 12 Nov 2022 14:28

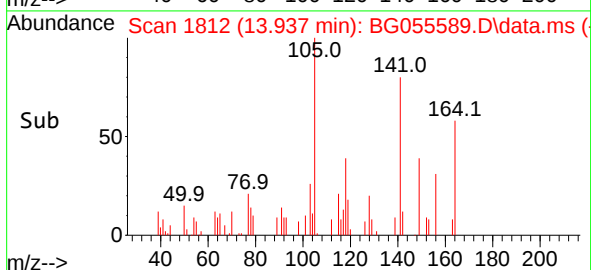
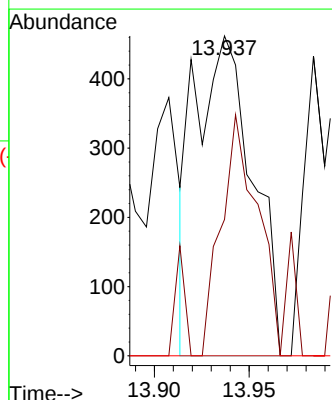
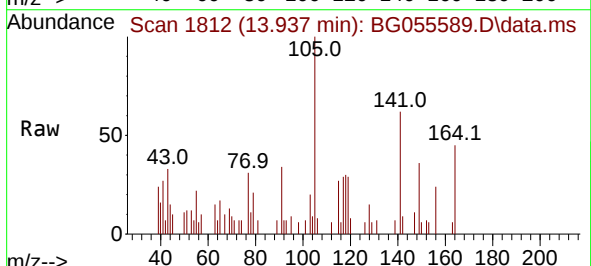
Tgt Ion: 65 Resp: 967

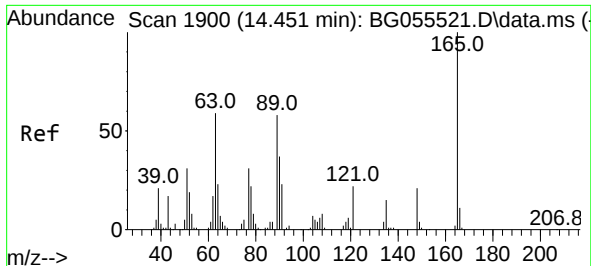
Ion Ratio Lower Upper

65 100

92 42.6 51.6 77.4#

138 0.0 77.0 115.4#

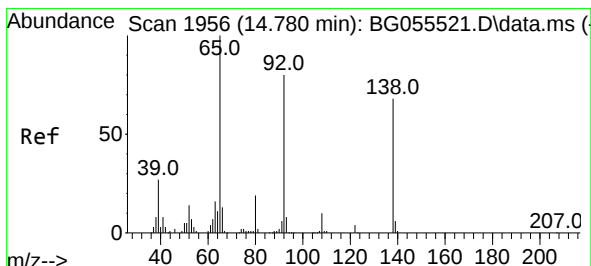
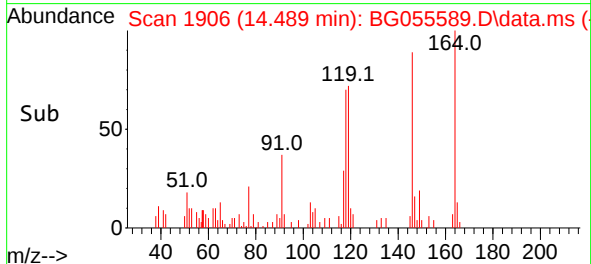
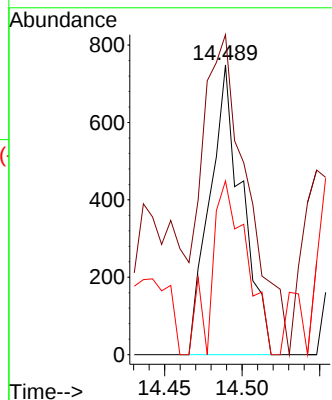
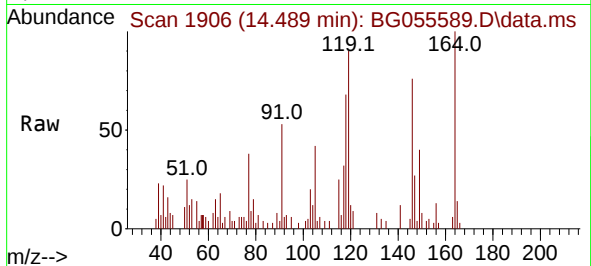




#51
2,6-Dinitrotoluene
Concen: 3.773 ng
RT: 14.489 min Scan# 1900
Delta R.T. 0.038 min
Lab File: BG055589.D
Acq: 12 Nov 2022 14:28

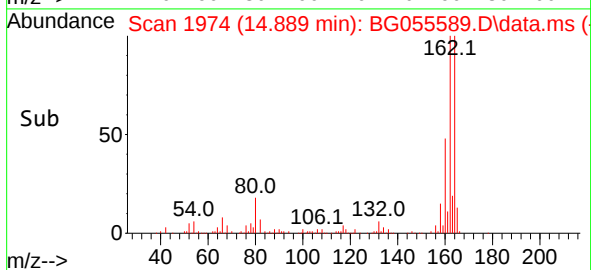
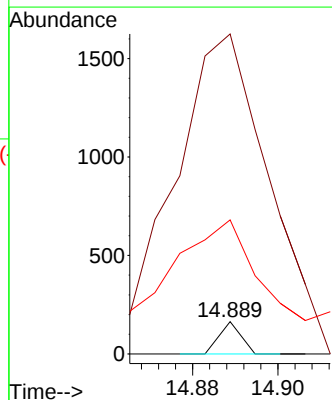
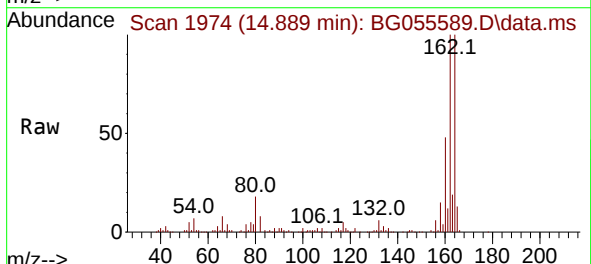
Instrument :
BNA_G
ClientSampleId :
MW3

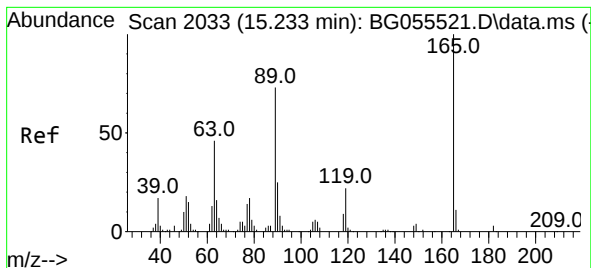
Tgt Ion:165 Resp: 1087
Ion Ratio Lower Upper
165 100
63 110.4 50.1 75.1#
89 59.9 46.5 69.7



#53
3-Nitroaniline
Concen: 3.806 ng
RT: 14.889 min Scan# 1974
Delta R.T. 0.109 min
Lab File: BG055589.D
Acq: 12 Nov 2022 14:28

Tgt Ion:138 Resp: 58
Ion Ratio Lower Upper
138 100
108 990.9 11.7 17.5#
92 415.2 94.3 141.5#

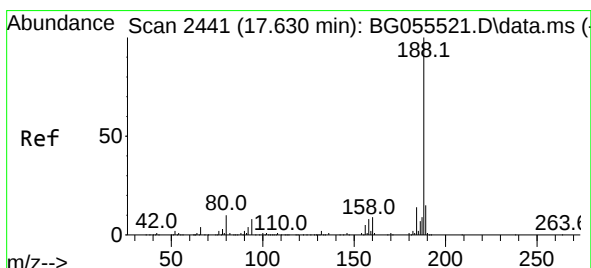
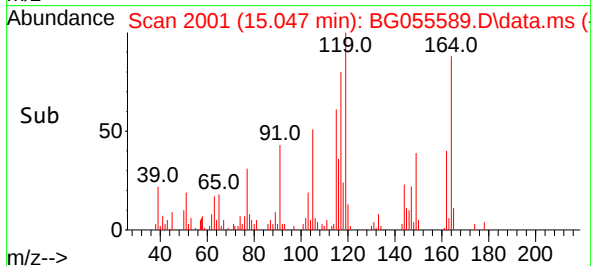
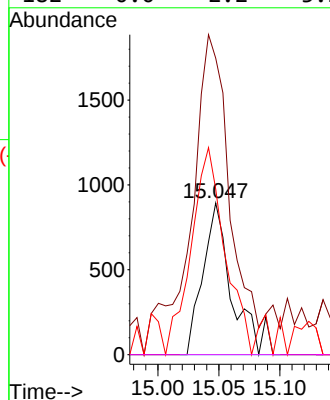
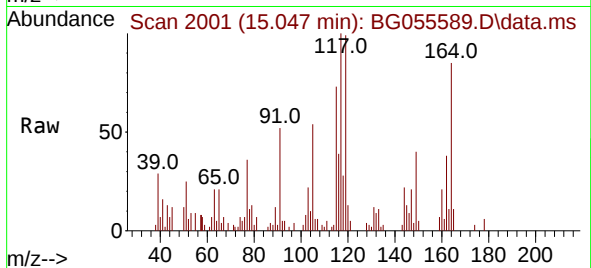




#57
2,4-Dinitrotoluene
Concen: 4.257 ng
RT: 15.047 min Scan# 2033
Delta R.T. -0.186 min
Lab File: BG055589.D
Acq: 12 Nov 2022 14:28

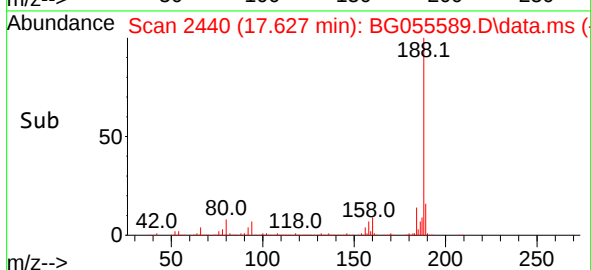
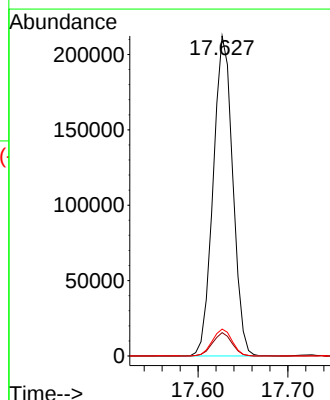
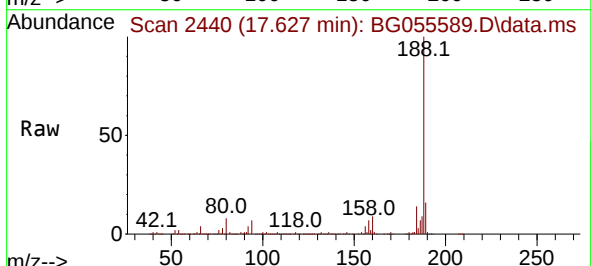
Instrument :
BNA_G
ClientSampleId :
MW3

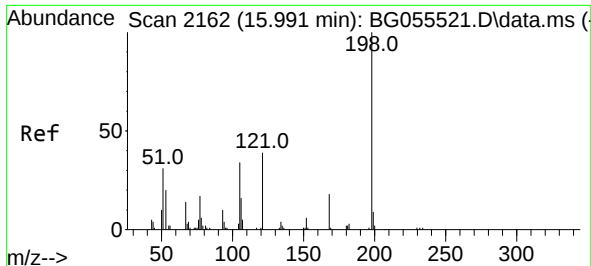
Tgt Ion:165	Resp:	1484
Ion	Ratio	Lower Upper
165	100	
63	195.4	37.0 55.4#
89	109.2	58.6 87.8#
182	0.0	2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.627 min Scan# 2440
Delta R.T. -0.003 min
Lab File: BG055589.D
Acq: 12 Nov 2022 14:28

Tgt Ion:188	Resp:	321306
Ion	Ratio	Lower Upper
188	100	
94	7.3	6.4 9.6
80	8.4	7.6 11.4

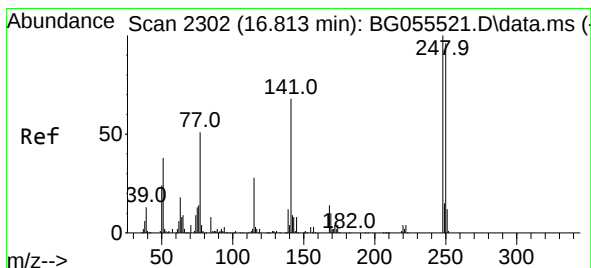
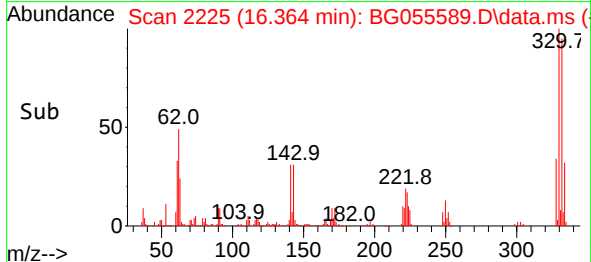
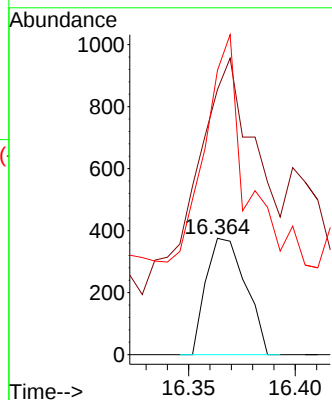
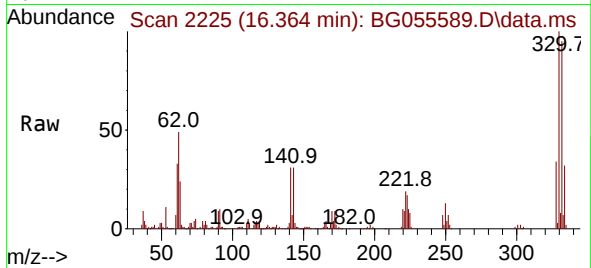




#65
4,6-Dinitro-2-methylphenol
Concen: 2.519 ng
RT: 16.364 min Scan# 2162
Delta R.T. 0.373 min
Lab File: BG055589.D
Acq: 12 Nov 2022 14:28

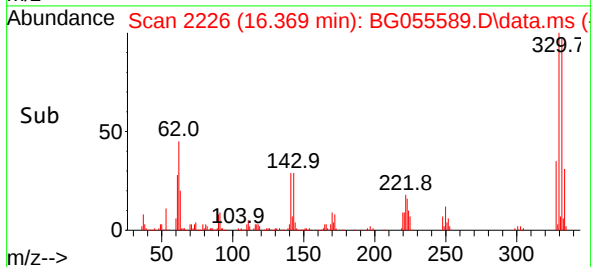
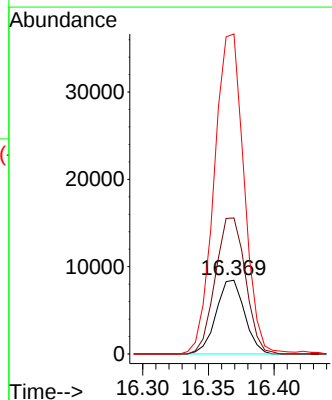
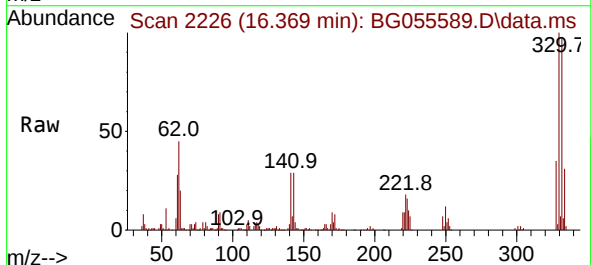
Instrument :
BNA_G
ClientSampleId :
MW3

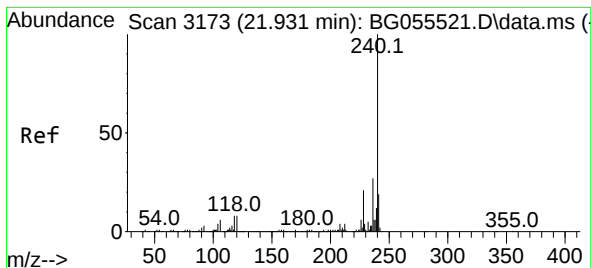
Tgt Ion:198 Resp: 486
Ion Ratio Lower Upper
198 100
51 228.0 24.7 64.7#
105 244.5 17.6 57.6#



#67
4-Bromophenyl-phenylether
Concen: 3.874 ng
RT: 16.369 min Scan# 2226
Delta R.T. -0.444 min
Lab File: BG055589.D
Acq: 12 Nov 2022 14:28

Tgt Ion:248 Resp: 12699
Ion Ratio Lower Upper
248 100
250 184.2 76.9 115.3#
141 433.5 54.3 81.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.928 min Scan# 3172

Delta R.T. -0.003 min

Lab File: BG055589.D

Acq: 12 Nov 2022 14:28

Instrument :

BNA_G

ClientSampleId :

MW3

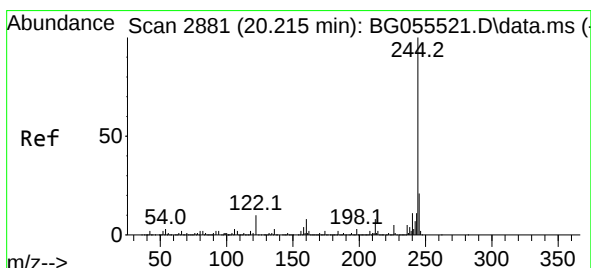
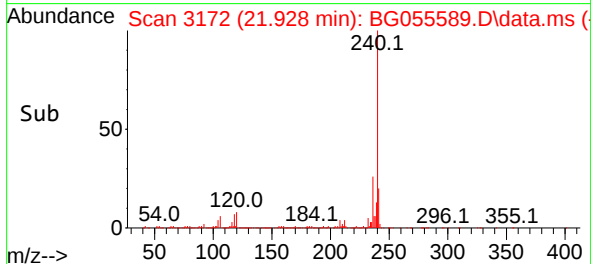
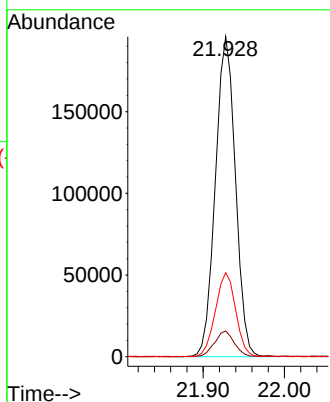
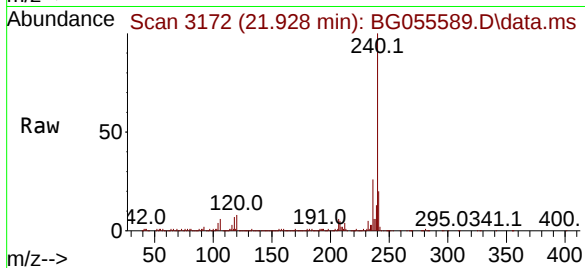
Tgt Ion:240 Resp: 336127

Ion Ratio Lower Upper

240 100

120 8.1 6.1 9.1

236 26.3 21.4 32.0



#79

Terphenyl-d14

Concen: 32.207 ng

RT: 20.218 min Scan# 2881

Delta R.T. 0.003 min

Lab File: BG055589.D

Acq: 12 Nov 2022 14:28

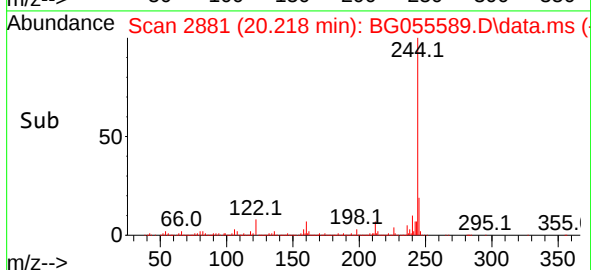
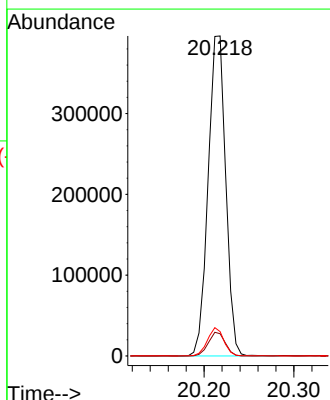
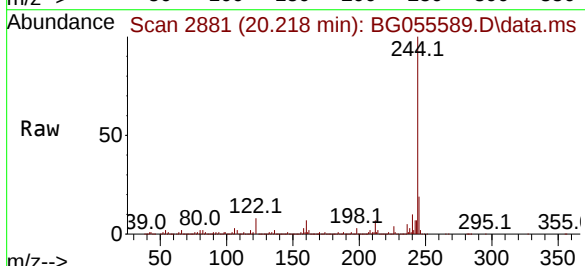
Tgt Ion:244 Resp: 538983

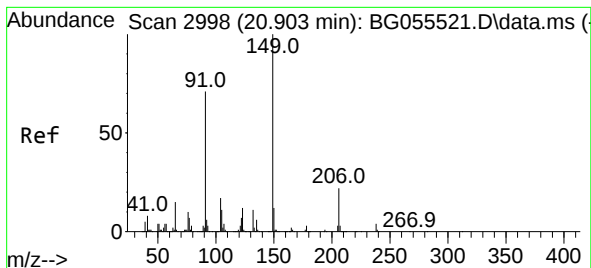
Ion Ratio Lower Upper

244 100

212 6.9 6.5 9.7

122 7.6 7.7 11.5#





#80

Butylbenzylphthalate

Concen: 3.469 ng

RT: 20.899 min Scan# 2998

Delta R.T. -0.004 min

Lab File: BG055589.D

Acq: 12 Nov 2022 14:28

Instrument :

BNA_G

ClientSampleId :

MW3

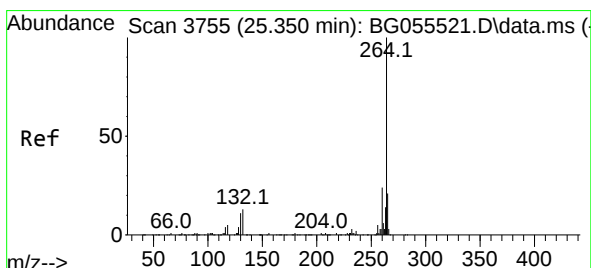
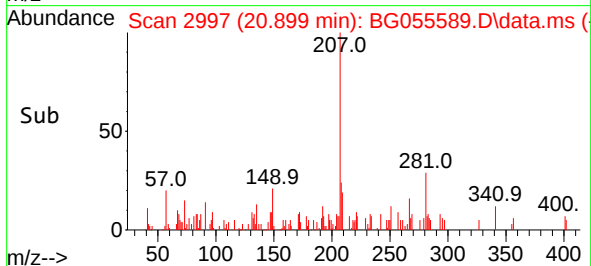
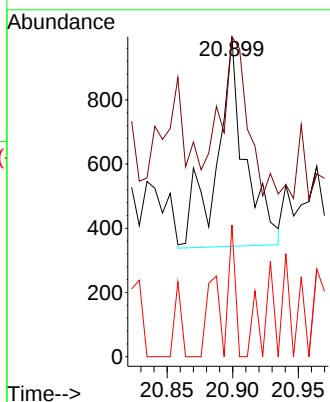
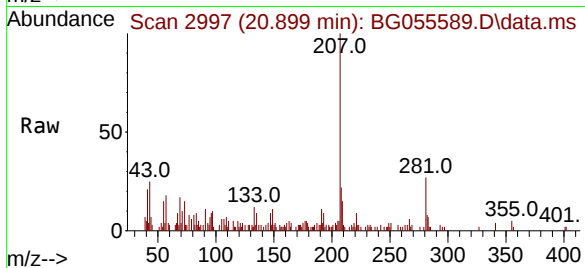
Tgt Ion:149 Resp: 978

Ion Ratio Lower Upper

149 100

91 100.0 56.8 85.2#

206 41.1 17.3 25.9#



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.347 min Scan# 3754

Delta R.T. -0.003 min

Lab File: BG055589.D

Acq: 12 Nov 2022 14:28

Tgt Ion:264 Resp: 345046

Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.2

265 22.5 17.1 25.7

