

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052822\
 Data File : BG053752.D
 Acq On : 28 May 2022 15:51
 Operator : CG/JU
 Sample : N3056-09
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-02

Quant Time: May 29 02:19:39 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun May 29 02:17:06 2022
 Response via : Initial Calibration

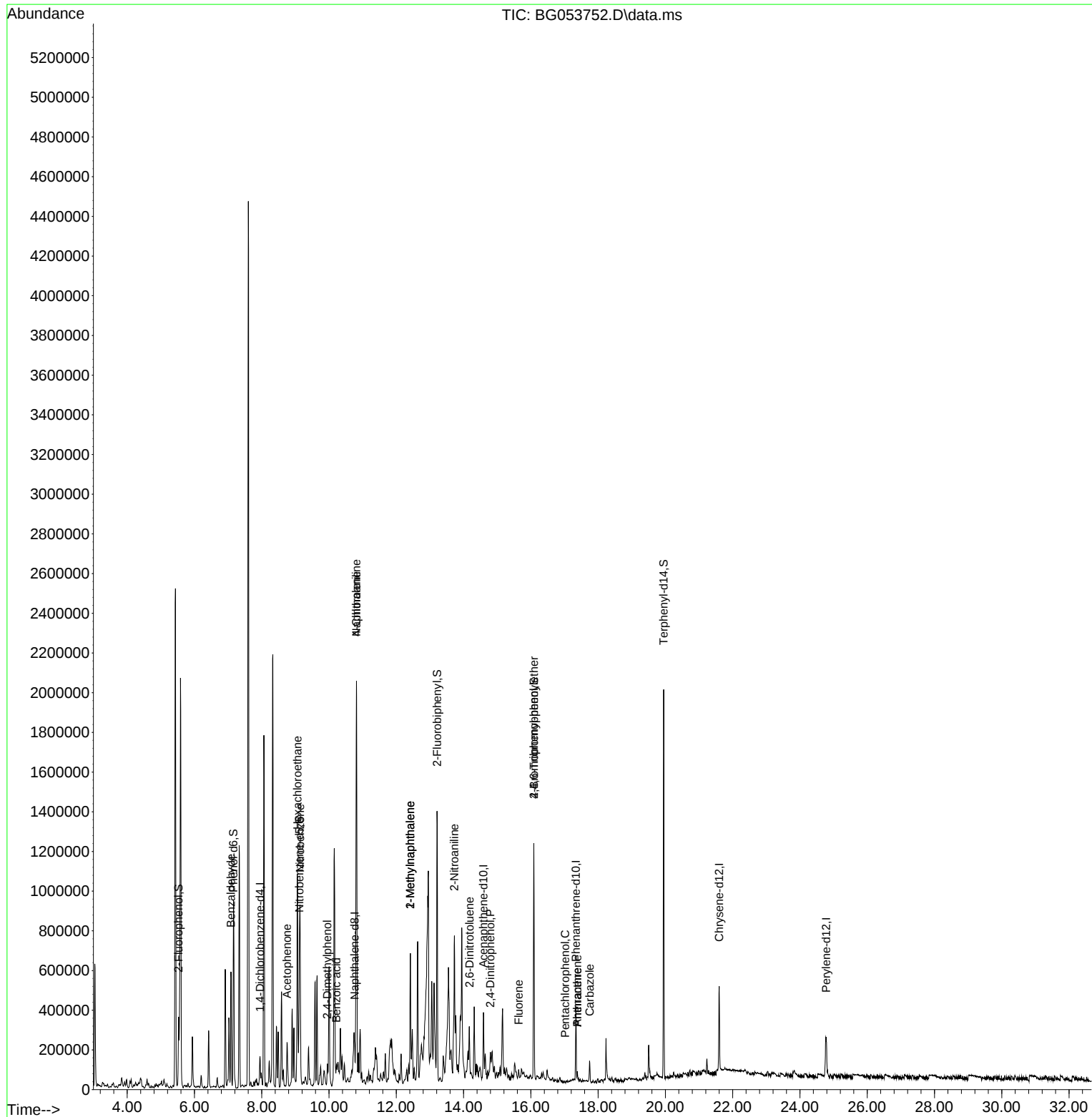
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.948	152	38025	20.000	ng	0.00
21) Naphthalene-d8	10.762	136	139157	20.000	ng	0.00
39) Acenaphthene-d10	14.592	164	99798	20.000	ng	0.00
64) Phenanthrene-d10	17.341	188	222304	20.000	ng	# 0.00
76) Chrysene-d12	21.600	240	251691	20.000	ng	# 0.00
86) Perylene-d12	24.778	264	214973	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	157221	70.171	ng	0.00
7) Phenol-d6	7.155	99	140576	41.341	ng	0.00
23) Nitrobenzene-d5	9.117	82	322870	98.767	ng	0.00
42) 2,4,6-Tribromophenol	16.090	330	238233	161.854	ng	0.00
45) 2-Fluorobiphenyl	13.212	172	685399	100.359	ng	0.00
79) Terphenyl-d14	19.950	244	975142	72.159	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.085	77	51532	23.855	ng	# 1
18) Hexachloroethane	9.059	117	138123	130.442	ng	# 1
22) Acetophenone	8.753	105	171621	45.062	ng	# 55
24) Nitrobenzene	9.141	77	27377	8.653	ng	# 1
27) 2,4-Dimethylphenol	9.951	122	14901	7.727	ng	92
31) Naphthalene	10.815	128	1572341	222.127	ng	98
32) Benzoic acid	10.216	122	12345	16.916	ng	# 85
33) 4-Chloroaniline	10.815	127	226038	76.249	ng	# 30
37) 2-Methylnaphthalene	12.419	142	277138	52.463	ng	98
38) 1-Methylnaphthalene	12.419	142	277138	53.771	ng	94
48) 2-Nitroaniline	13.729	65	26953	13.572	ng	# 38
51) 2,6-Dinitrotoluene	14.175	165	6216	4.023	ng	# 73
54) 2,4-Dinitrophenol	14.798	184	194	6.427	ng	# 1
58) Fluorene	15.638	166	16842	2.305	ng	99
67) 4-Bromophenyl-phenylether	16.090	248	15996	6.161	ng	# 1
70) Pentachlorophenol	17.018	266	1504	5.575	ng	# 84
71) Phenanthrene	17.383	178	28504	2.522	ng	94
72) Anthracene	17.383	178	28504	2.565	ng	97
73) Carbazole	17.747	167	70279	6.454	ng	97

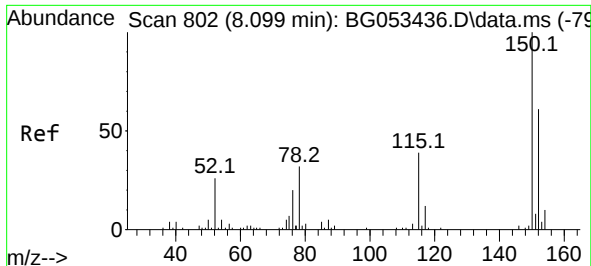
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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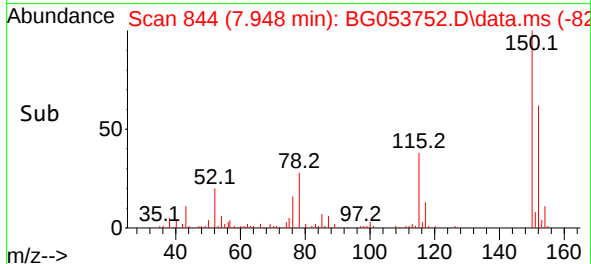
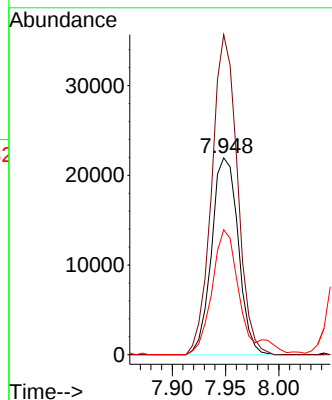
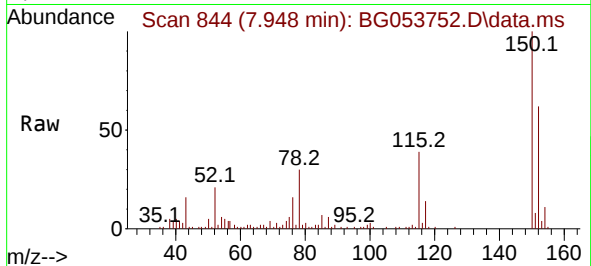




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.948 min Scan# 844
Delta R.T. -0.003 min
Lab File: BG053752.D
Acq: 28 May 2022 15:51

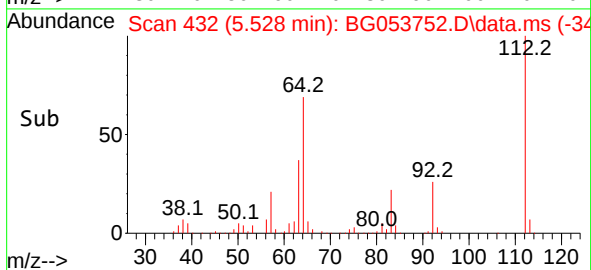
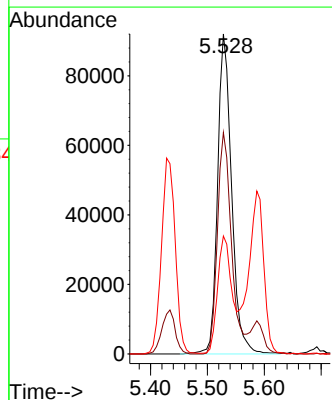
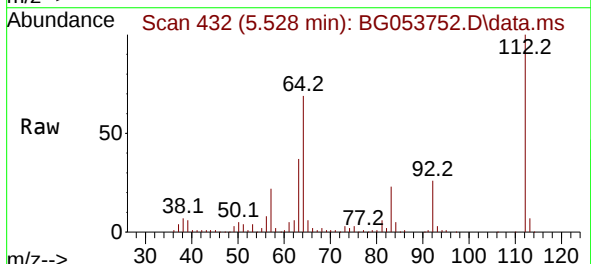
Instrument :
BNA_G
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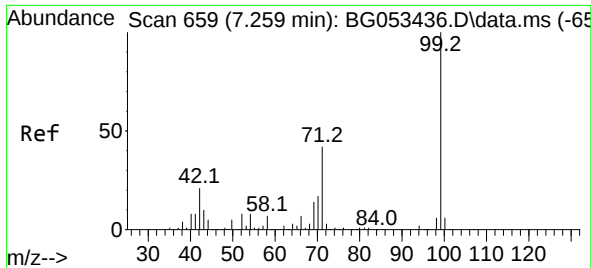
Tgt Ion:152 Resp: 38025
Ion Ratio Lower Upper
152 100
150 162.6 131.6 197.4
115 63.5 50.9 76.3



#5
2-Fluorophenol
Concen: 70.171 ng
RT: 5.528 min Scan# 432
Delta R.T. 0.003 min
Lab File: BG053752.D
Acq: 28 May 2022 15:51

Tgt Ion:112 Resp: 157221
Ion Ratio Lower Upper
112 100
64 69.2 55.1 82.7
63 36.8 30.4 45.6

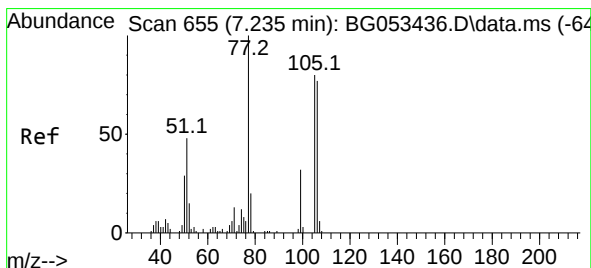
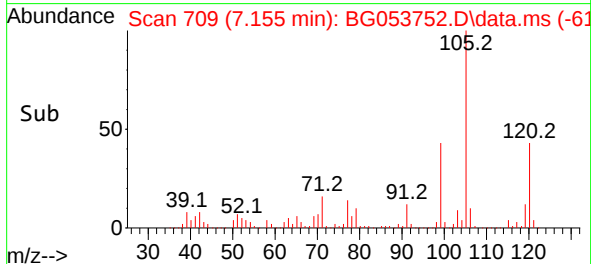
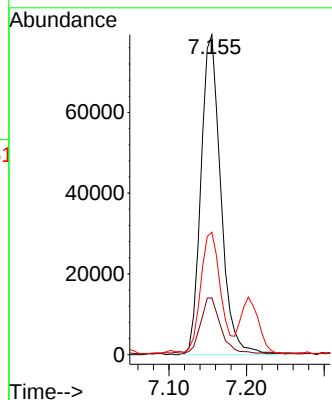
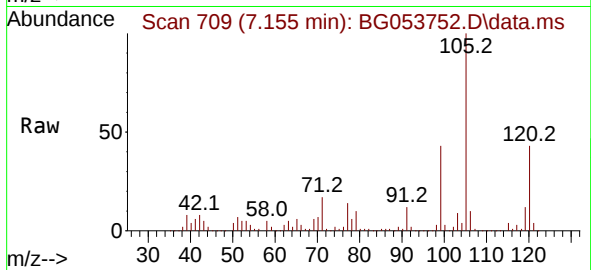




#7
Phenol-d6
Concen: 41.341 ng
RT: 7.155 min Scan# 70
Delta R.T. 0.003 min
Lab File: BG053752.D
Acq: 28 May 2022 15:51

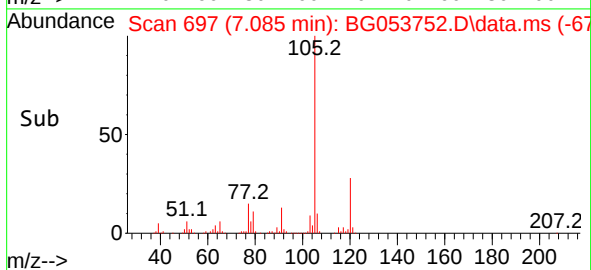
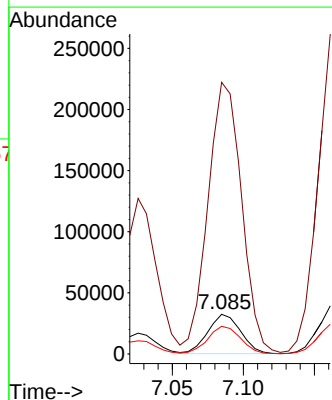
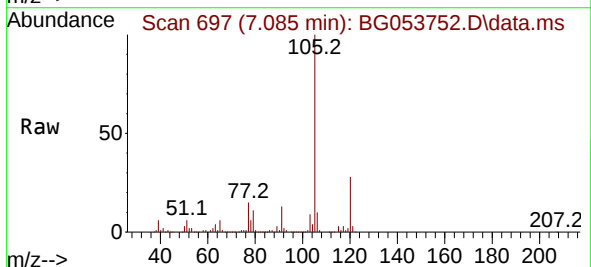
Instrument :
BNA_G
ClientSampleId :
MW-02

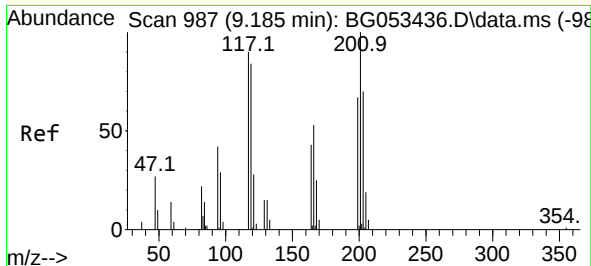
Tgt Ion: 99 Resp: 140576
Ion Ratio Lower Upper
99 100
42 17.8 17.0 25.6
71 38.3 33.8 50.8



#9
Benzaldehyde
Concen: 23.855 ng
RT: 7.085 min Scan# 697
Delta R.T. 0.003 min
Lab File: BG053752.D
Acq: 28 May 2022 15:51

Tgt Ion: 77 Resp: 51532
Ion Ratio Lower Upper
77 100
105 685.2 59.6 99.6#
106 69.9 56.8 96.8

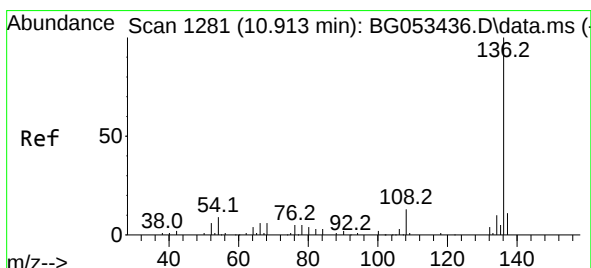
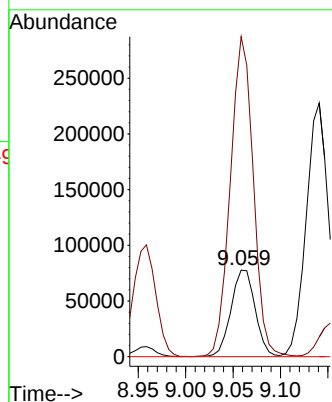
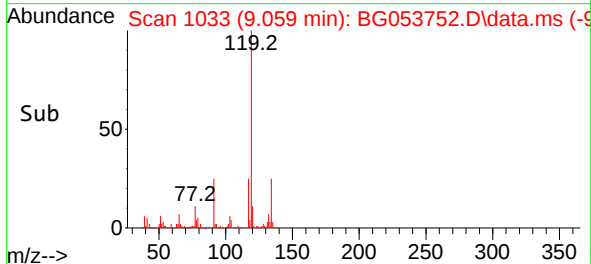
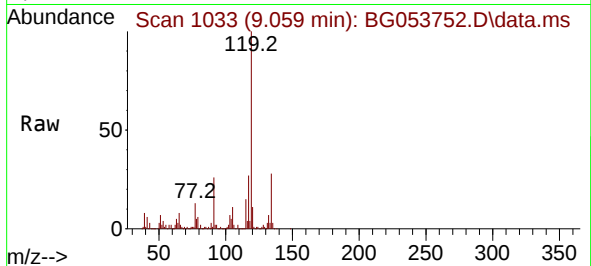




#18
Hexachloroethane
Concen: 130.442 ng
RT: 9.059 min Scan# 1033
Delta R.T. 0.032 min
Lab File: BG053752.D
Acq: 28 May 2022 15:51

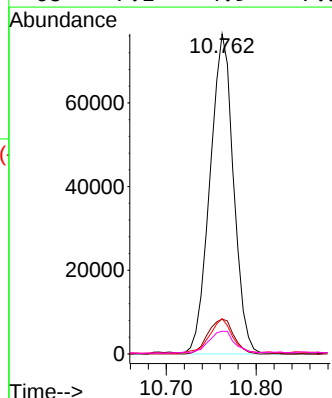
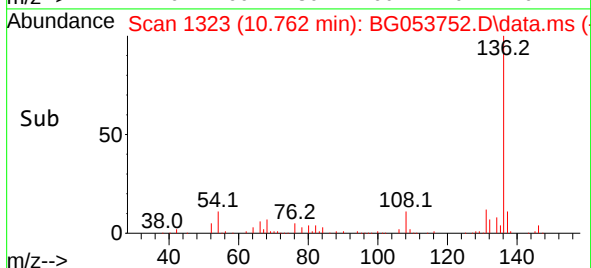
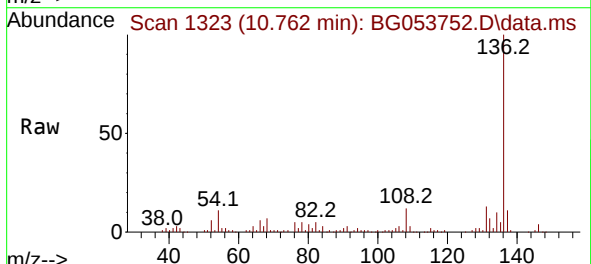
Instrument :
BNA_G
ClientSampleId :
MW-02

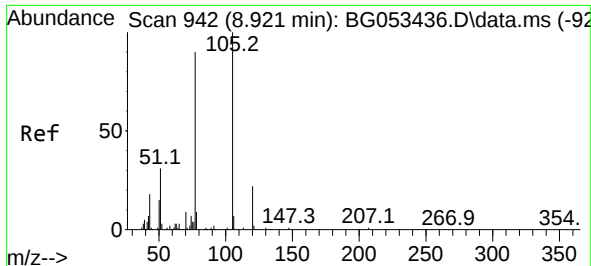
Tgt Ion:117 Resp: 138123
Ion Ratio Lower Upper
117 100
119 369.8 75.0 112.6#
201 0.0 89.0 133.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.762 min Scan# 1323
Delta R.T. 0.003 min
Lab File: BG053752.D
Acq: 28 May 2022 15:51

Tgt Ion:136 Resp: 139157
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 11.0 7.4 11.2
68 7.1 4.9 7.3

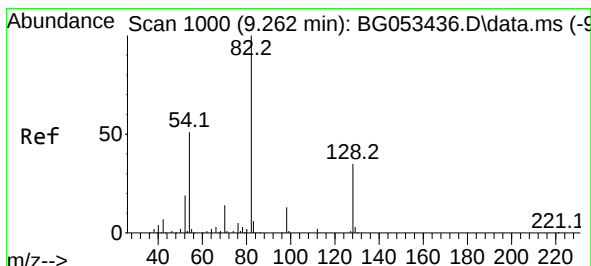
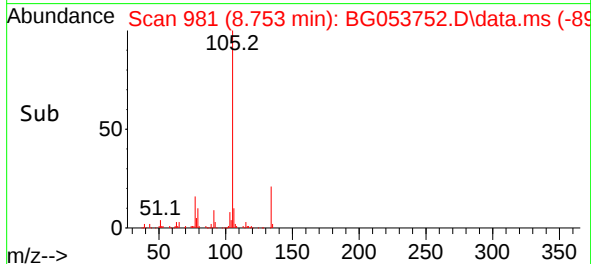
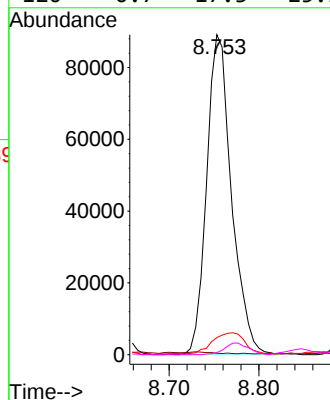
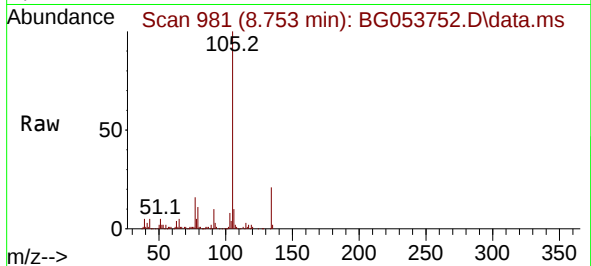




#22
Acetophenone
Concen: 45.062 ng
RT: 8.753 min Scan# 91
Delta R.T. -0.021 min
Lab File: BG053752.D
Acq: 28 May 2022 15:51

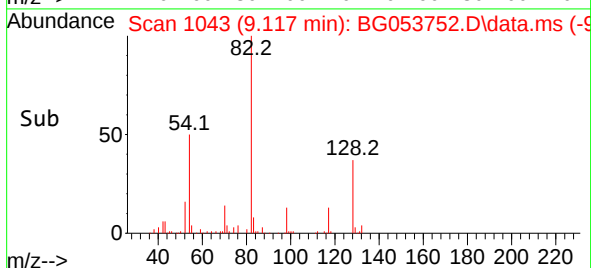
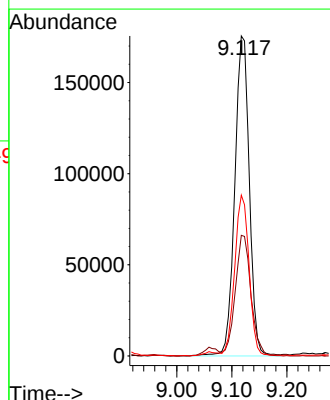
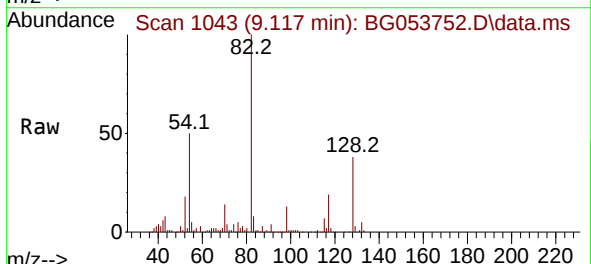
Instrument :
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ClientSampleId :
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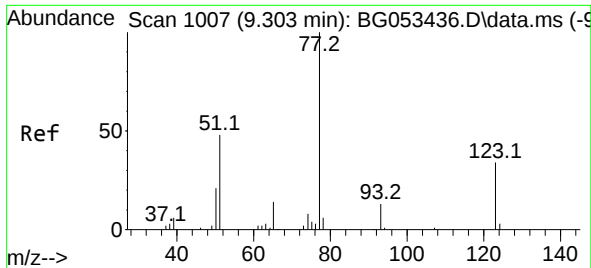
Tgt Ion:105 Resp: 171621
Ion Ratio Lower Upper
105 100
71 0.4 1.1 1.7#
51 5.3 25.4 38.0#
120 0.7 17.3 25.9#



#23
Nitrobenzene-d5
Concen: 98.767 ng
RT: 9.117 min Scan# 1043
Delta R.T. -0.003 min
Lab File: BG053752.D
Acq: 28 May 2022 15:51

Tgt Ion: 82 Resp: 322870
Ion Ratio Lower Upper
82 100
128 37.7 27.9 41.9
54 50.3 41.2 61.8

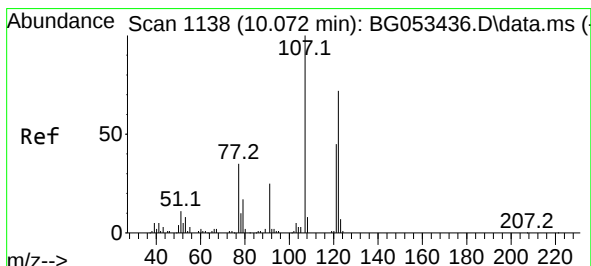
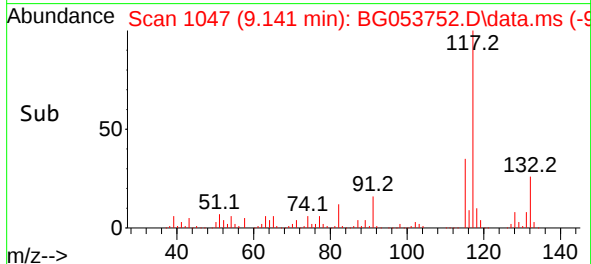
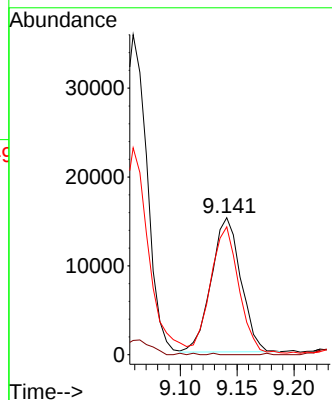
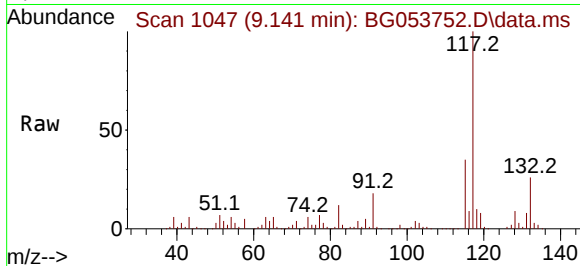




#24
Nitrobenzene
Concen: 8.653 ng
RT: 9.141 min Scan# 1047
Delta R.T. -0.021 min
Lab File: BG053752.D
Acq: 28 May 2022 15:51

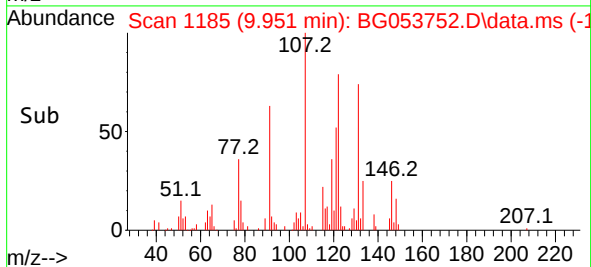
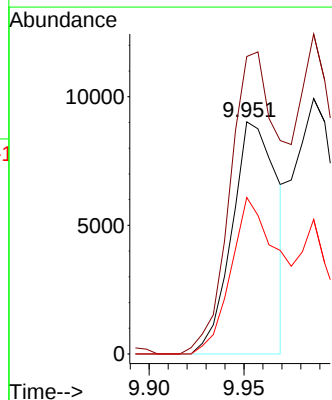
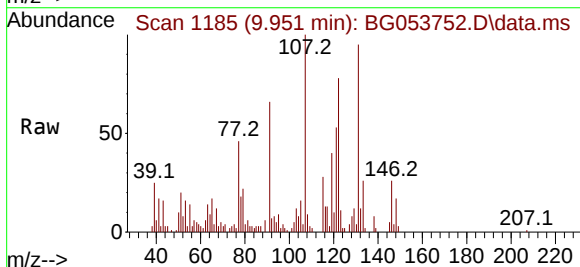
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ClientSampleId :
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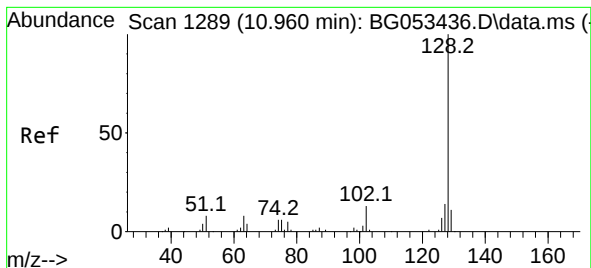
Tgt Ion: 77 Resp: 27377
Ion Ratio Lower Upper
77 100
123 0.0 27.4 41.0#
65 93.3 11.4 17.0#



#27
2,4-Dimethylphenol
Concen: 7.727 ng
RT: 9.951 min Scan# 1185
Delta R.T. -0.003 min
Lab File: BG053752.D
Acq: 28 May 2022 15:51

Tgt Ion: 122 Resp: 14901
Ion Ratio Lower Upper
122 100
107 128.1 109.4 164.0
121 67.4 48.7 73.1





#31

Naphthalene

Concen: 222.127 ng

RT: 10.815 min Scan# 11

Delta R.T. 0.003 min

Lab File: BG053752.D

Acq: 28 May 2022 15:51

Instrument :

BNA_G

ClientSampleId :

MW-02

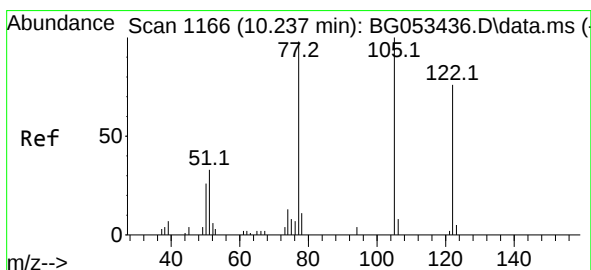
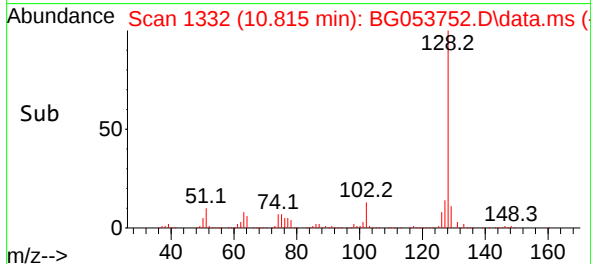
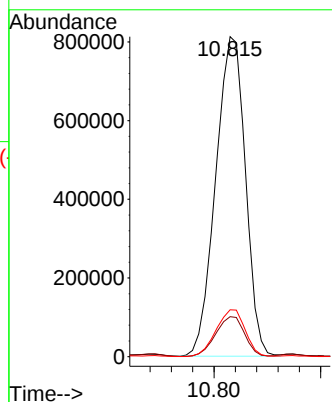
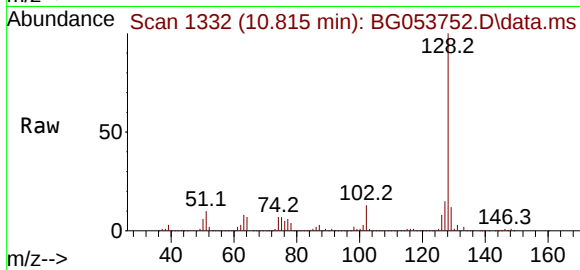
Tgt Ion:128 Resp: 1572341

Ion Ratio Lower Upper

128 100

129 12.5 9.0 13.6

127 14.6 11.1 16.7



#32

Benzoic acid

Concen: 16.916 ng

RT: 10.216 min Scan# 1230

Delta R.T. 0.062 min

Lab File: BG053752.D

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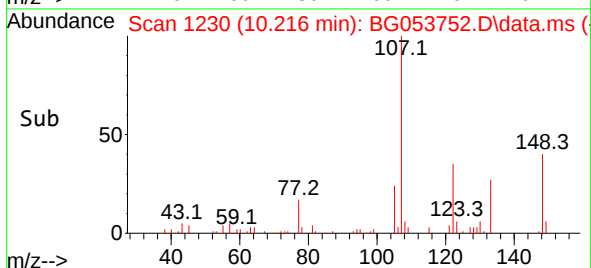
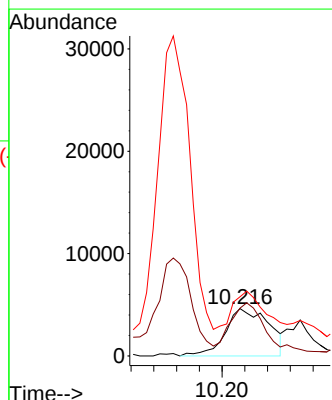
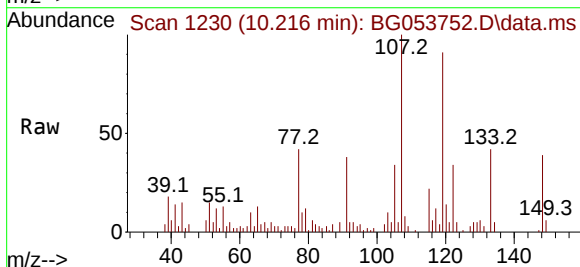
Tgt Ion:122 Resp: 12345

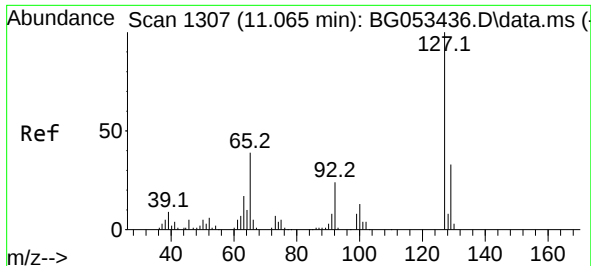
Ion Ratio Lower Upper

122 100

105 100.9 111.8 151.8#

77 124.7 109.4 149.4

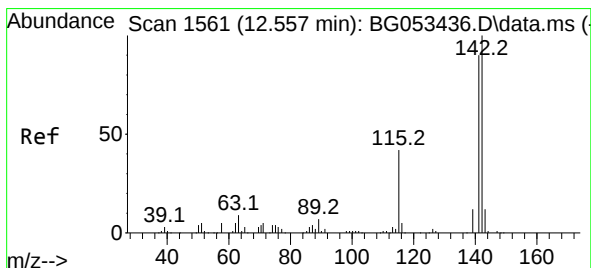
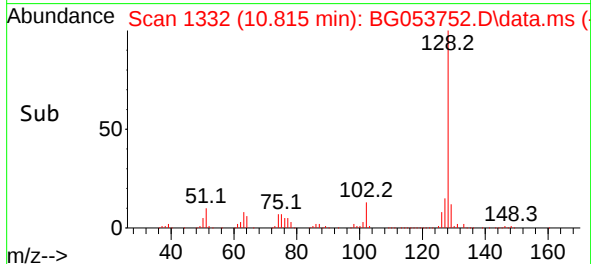
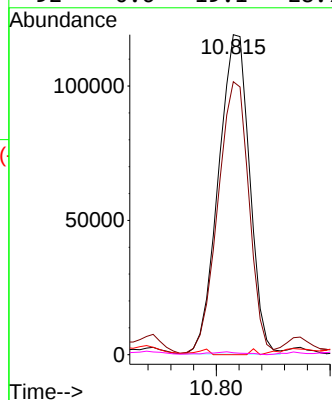
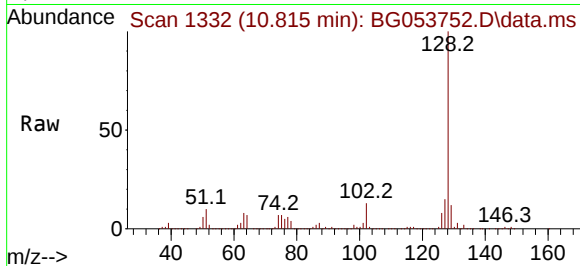




#33
4-Chloroaniline
Concen: 76.249 ng
RT: 10.815 min Scan# 11
Delta R.T. -0.109 min
Lab File: BG053752.D
Acq: 28 May 2022 15:51

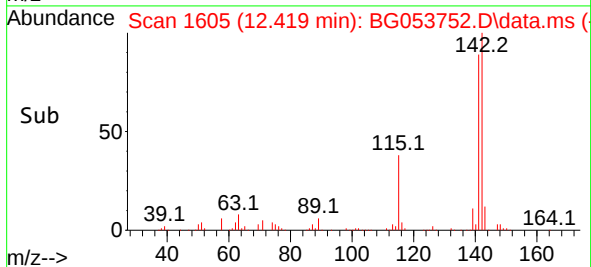
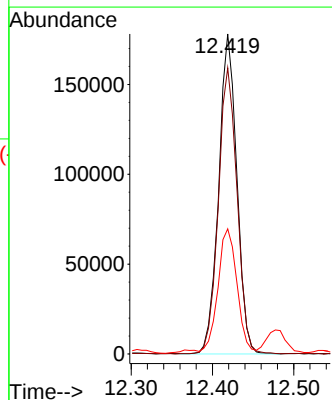
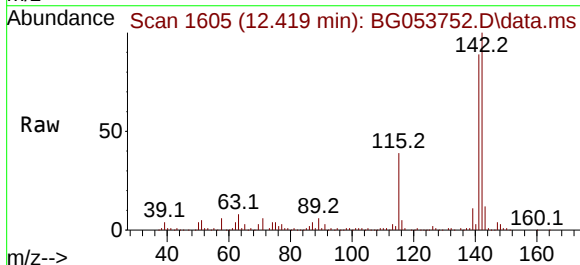
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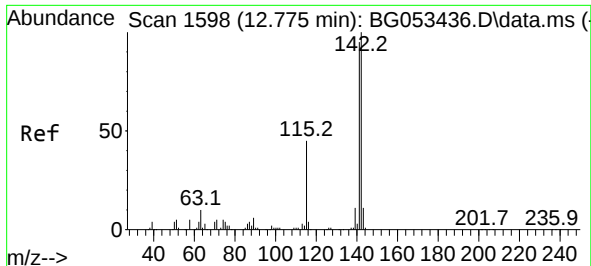
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Ion Ratio Lower Upper
127 100
129 85.3 26.3 39.5#
65 0.0 31.1 46.7#
92 0.6 19.1 28.7#



#37
2-Methylnaphthalene
Concen: 52.463 ng
RT: 12.419 min Scan# 1605
Delta R.T. -0.003 min
Lab File: BG053752.D
Acq: 28 May 2022 15:51

Tgt Ion:142 Resp: 277138
Ion Ratio Lower Upper
142 100
141 89.4 72.3 108.5
115 39.1 33.7 50.5

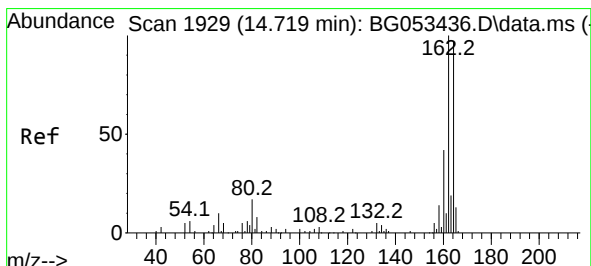
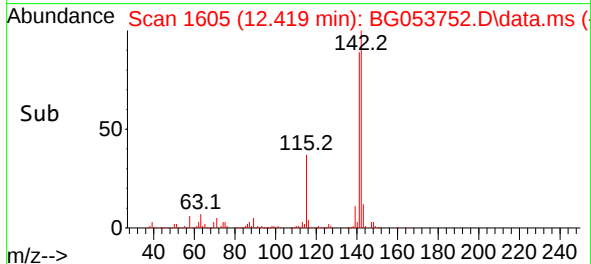
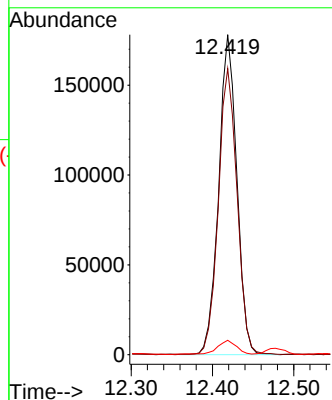
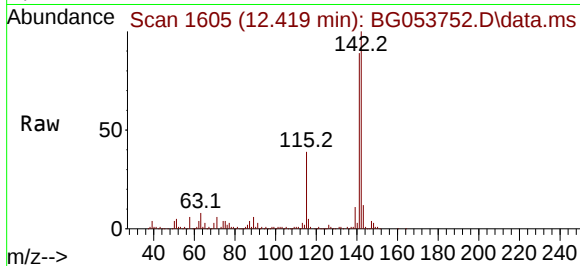




#38
1-Methylnaphthalene
Concen: 53.771 ng
RT: 12.419 min Scan# 1
Delta R.T. -0.220 min
Lab File: BG053752.D
Acq: 28 May 2022 15:51

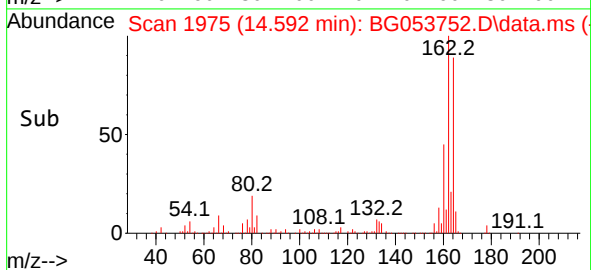
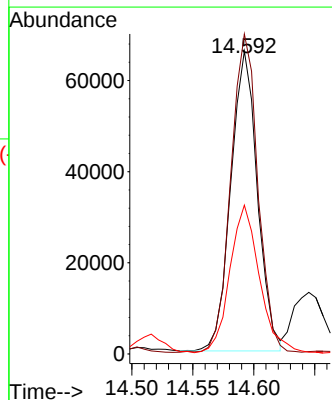
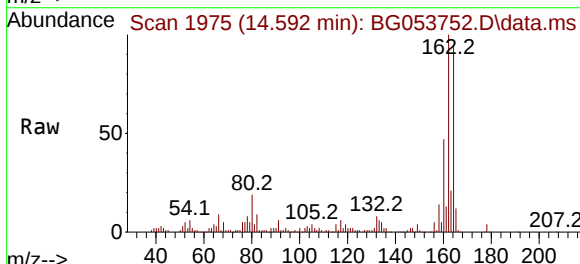
Instrument :
BNA_G
ClientSampleId :
MW-02

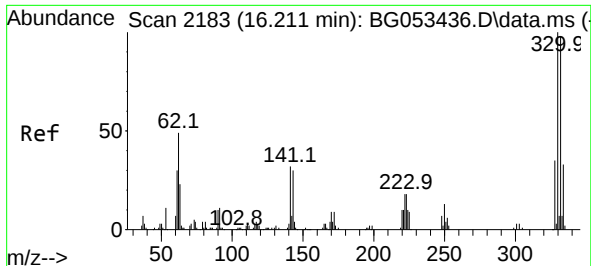
Tgt Ion:142 Resp: 277138
Ion Ratio Lower Upper
142 100
141 89.4 76.4 114.6
116 4.5 3.3 4.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.592 min Scan# 1975
Delta R.T. -0.003 min
Lab File: BG053752.D
Acq: 28 May 2022 15:51

Tgt Ion:164 Resp: 99798
Ion Ratio Lower Upper
164 100
162 105.6 82.3 123.5
160 49.1 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 161.854 ng

RT: 16.090 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG053752.D

Acq: 28 May 2022 15:51

Instrument :

BNA_G

ClientSampleId :

MW-02

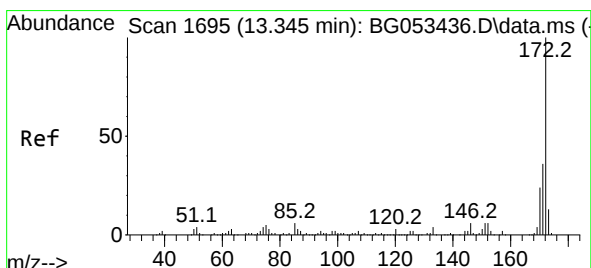
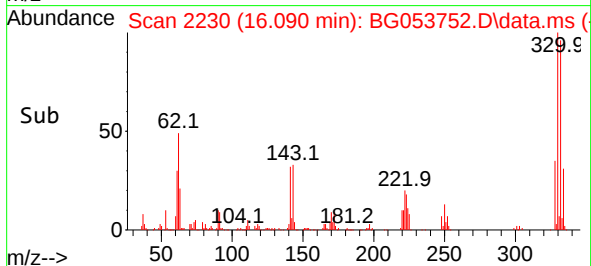
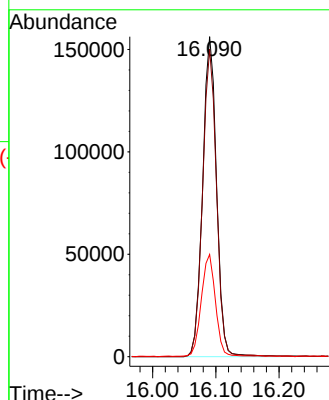
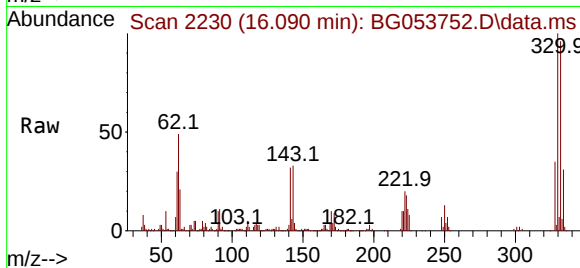
Tgt Ion:330 Resp: 238233

Ion Ratio Lower Upper

330 100

332 96.1 76.0 114.0

141 32.3 27.1 40.7



#45

2-Fluorobiphenyl

Concen: 100.359 ng

RT: 13.212 min Scan# 1740

Delta R.T. -0.003 min

Lab File: BG053752.D

Acq: 28 May 2022 15:51

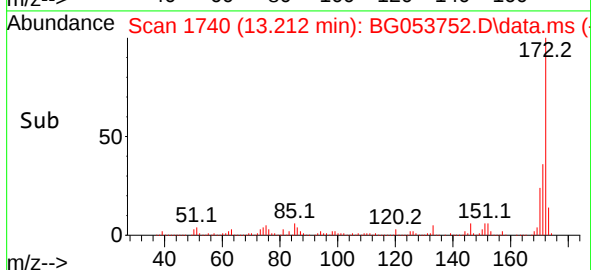
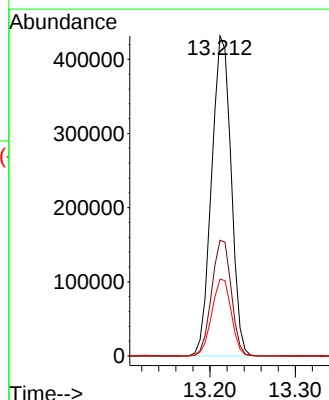
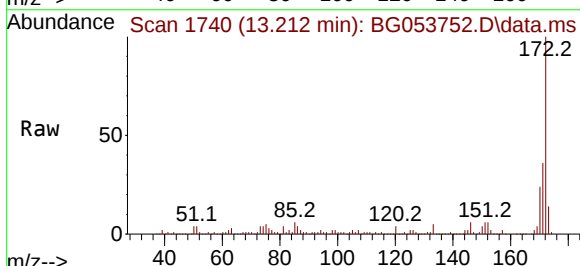
Tgt Ion:172 Resp: 685399

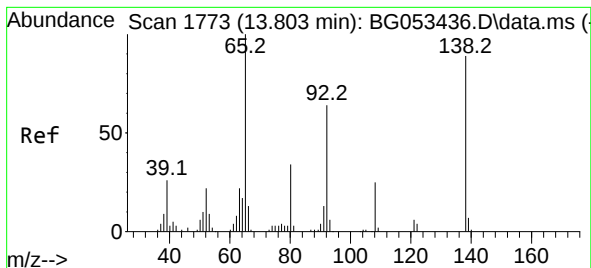
Ion Ratio Lower Upper

172 100

171 36.1 28.5 42.7

170 24.0 18.9 28.3





#48

2-Nitroaniline

Concen: 13.572 ng

RT: 13.729 min Scan# 1

Delta R.T. 0.044 min

Lab File: BG053752.D

Acq: 28 May 2022 15:51

Instrument :

BNA_G

ClientSampleId :

MW-02

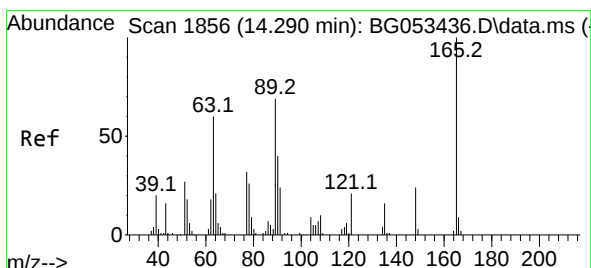
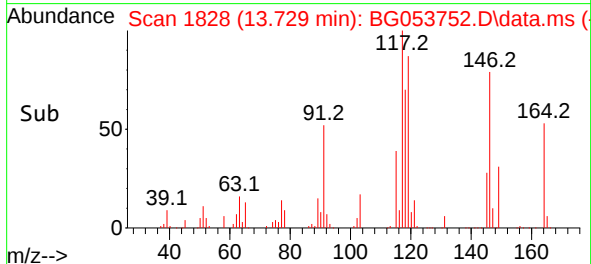
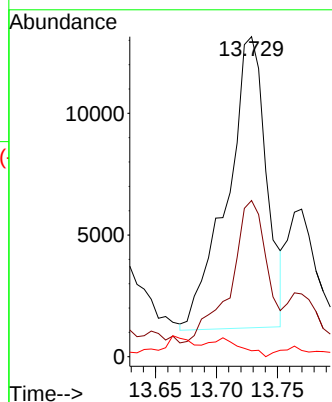
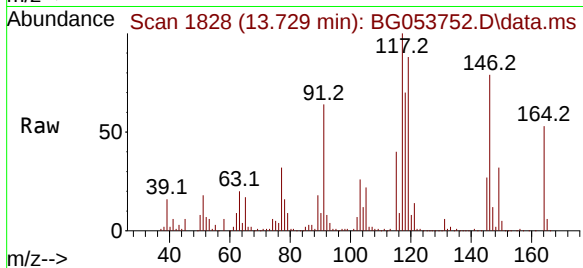
Tgt Ion: 65 Resp: 26953

Ion Ratio Lower Upper

65 100

92 48.8 51.5 77.3#

138 1.8 71.3 106.9#



#51

2,6-Dinitrotoluene

Concen: 4.023 ng

RT: 14.175 min Scan# 1904

Delta R.T. 0.003 min

Lab File: BG053752.D

Acq: 28 May 2022 15:51

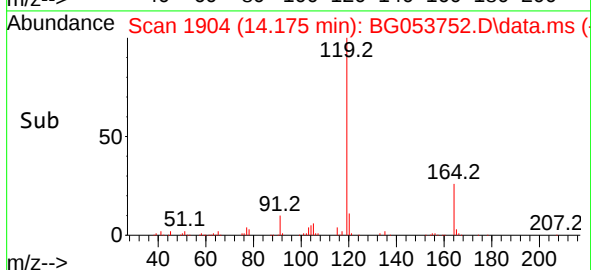
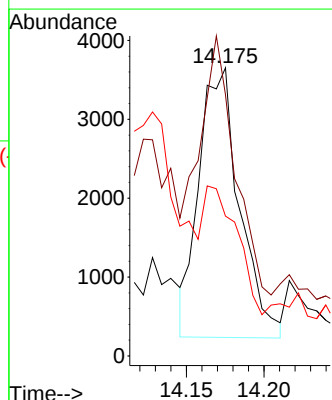
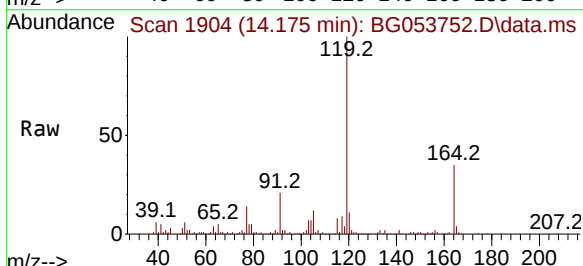
Tgt Ion:165 Resp: 6216

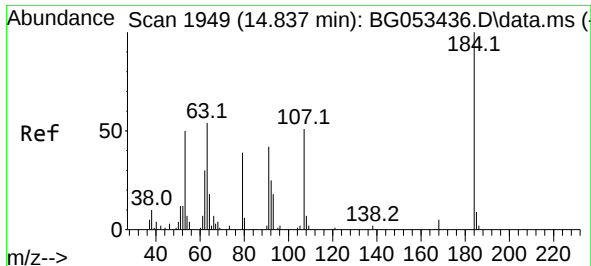
Ion Ratio Lower Upper

165 100

63 90.6 54.1 81.1#

89 48.5 54.8 82.2#

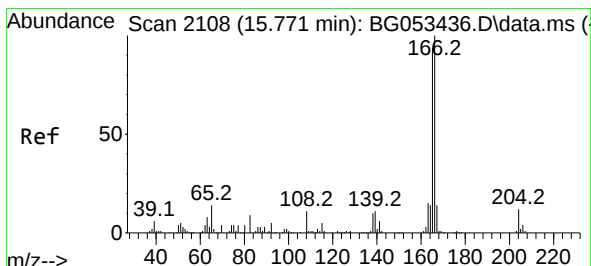
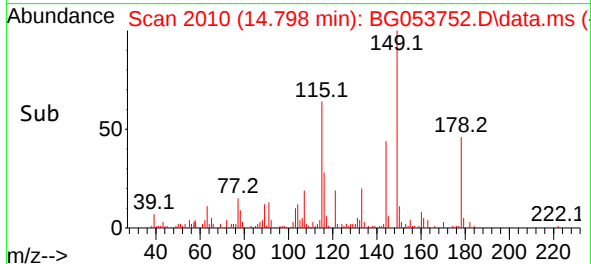
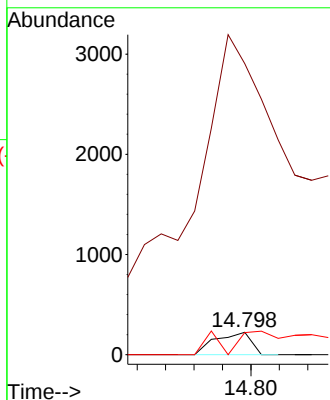
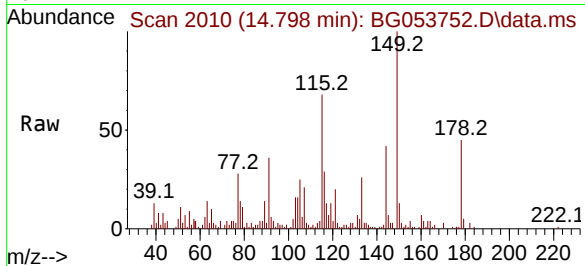




#54
2,4-Dinitrophenol
Concen: 6.427 ng
RT: 14.798 min Scan# 20
Delta R.T. 0.062 min
Lab File: BG053752.D
Acq: 28 May 2022 15:51

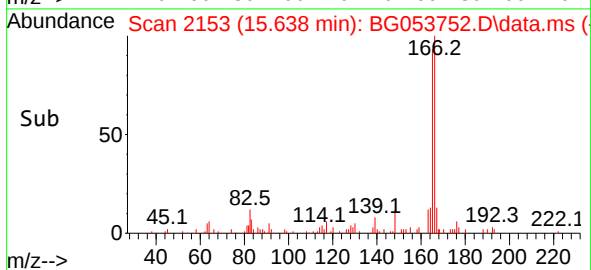
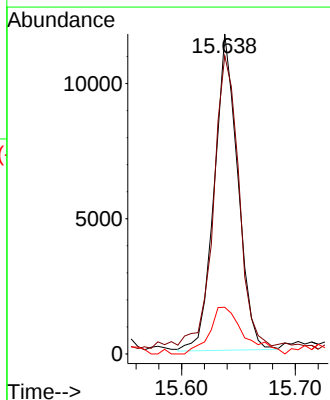
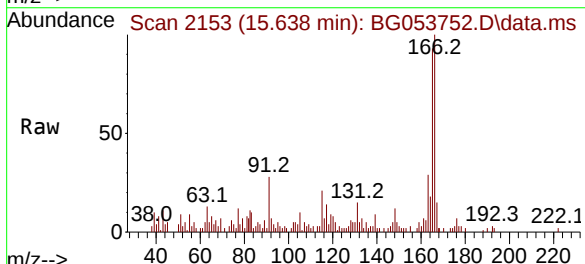
Instrument :
BNA_G
ClientSampleId :
MW-02

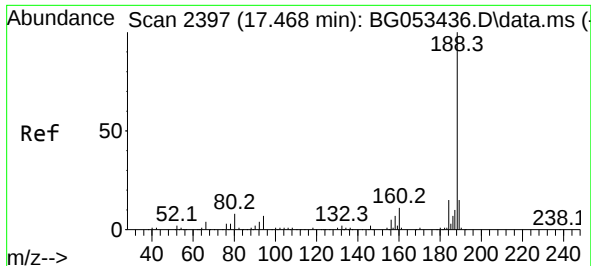
Tgt Ion:184 Resp: 194
Ion Ratio Lower Upper
184 100
63 1296.9 61.1 91.7#
154 98.7 60.6 91.0#



#58
Fluorene
Concen: 2.305 ng
RT: 15.638 min Scan# 2153
Delta R.T. -0.003 min
Lab File: BG053752.D
Acq: 28 May 2022 15:51

Tgt Ion:166 Resp: 16842
Ion Ratio Lower Upper
166 100
165 93.2 75.0 112.6
167 14.6 10.8 16.2

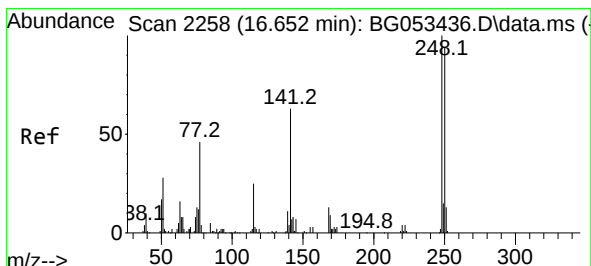
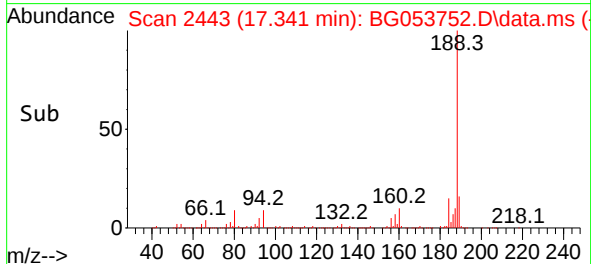
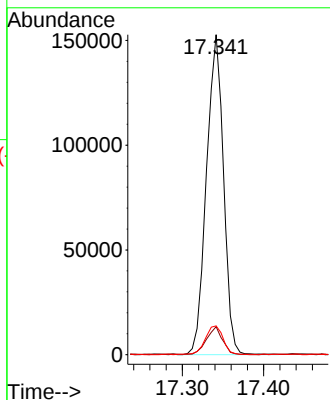
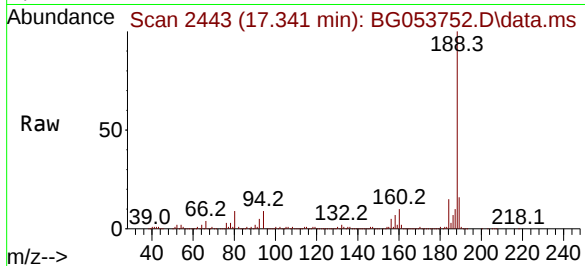




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.341 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG053752.D
Acq: 28 May 2022 15:51

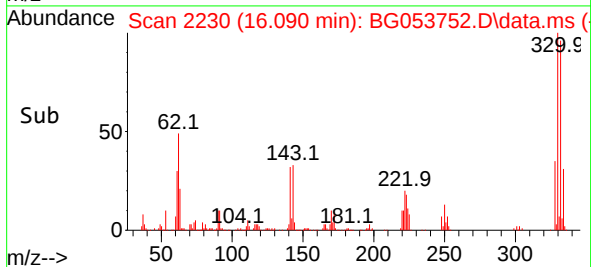
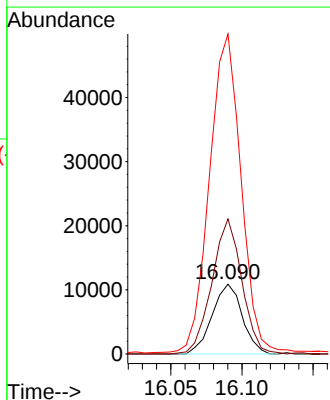
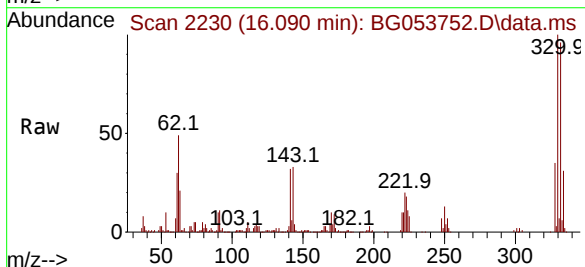
Instrument :
BNA_G
ClientSampleId :
MW-02

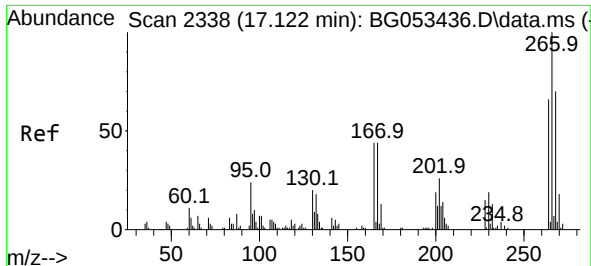
Tgt Ion:188 Resp: 222304
Ion Ratio Lower Upper
188 100
94 8.7 5.4 8.0#
80 9.0 6.8 10.2



#67
4-Bromophenyl-phenylether
Concen: 6.161 ng
RT: 16.090 min Scan# 2230
Delta R.T. -0.438 min
Lab File: BG053752.D
Acq: 28 May 2022 15:51

Tgt Ion:248 Resp: 15996
Ion Ratio Lower Upper
248 100
250 193.7 75.2 112.8#
141 459.0 50.0 75.0#

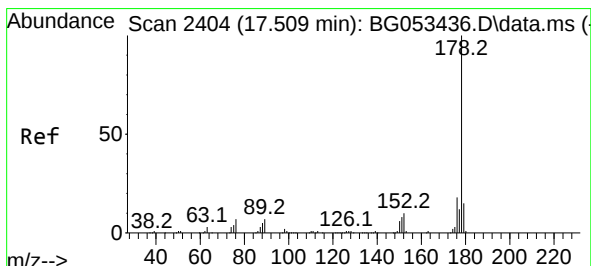
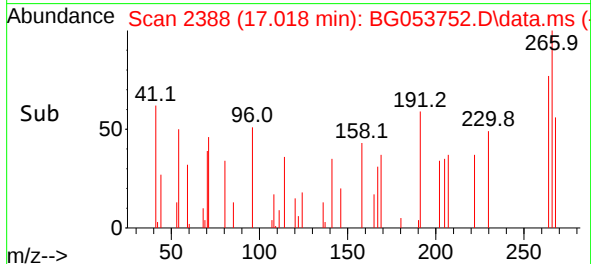
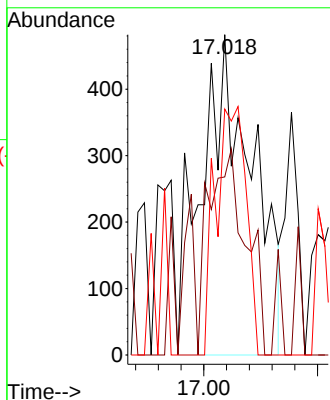
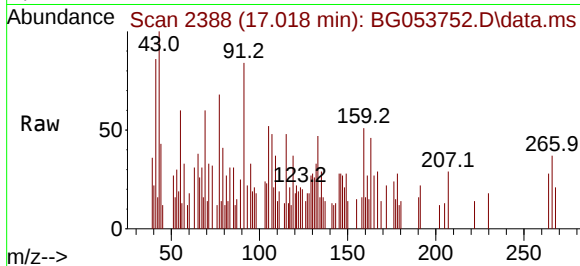




#70
 Pentachlorophenol
 Concen: 5.575 ng
 RT: 17.018 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: BG053752.D
 Acq: 28 May 2022 15:51

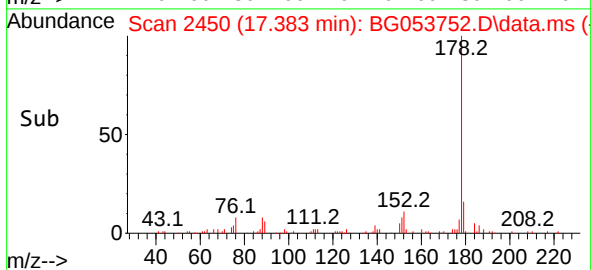
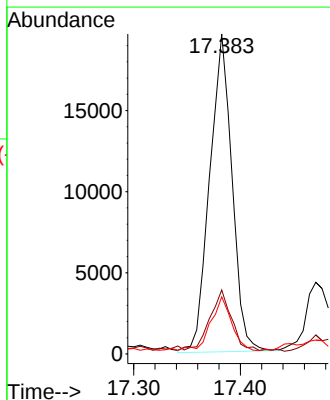
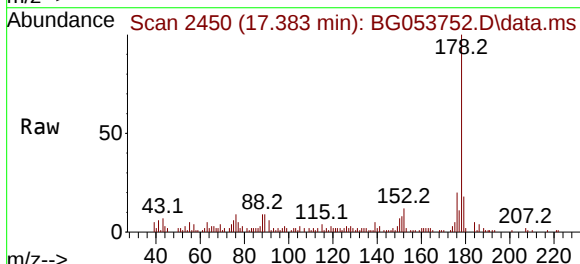
Instrument :
 BNA_G
 ClientSampleId :
 MW-02

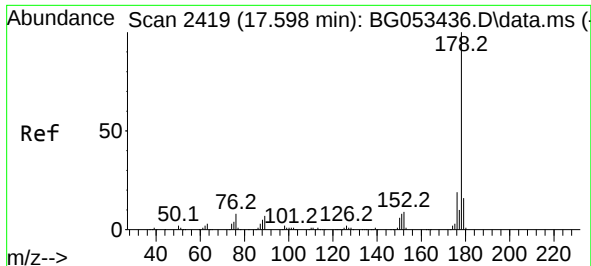
Tgt Ion:266 Resp: 1504
 Ion Ratio Lower Upper
 266 100
 268 55.6 56.2 84.2#
 264 76.8 53.0 79.4



#71
 Phenanthrene
 Concen: 2.522 ng
 RT: 17.383 min Scan# 2450
 Delta R.T. -0.003 min
 Lab File: BG053752.D
 Acq: 28 May 2022 15:51

Tgt Ion:178 Resp: 28504
 Ion Ratio Lower Upper
 178 100
 176 20.0 14.1 21.1
 179 17.9 12.1 18.1

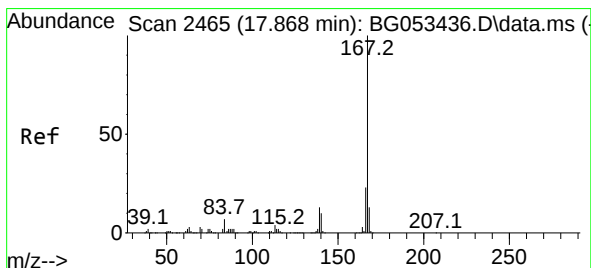
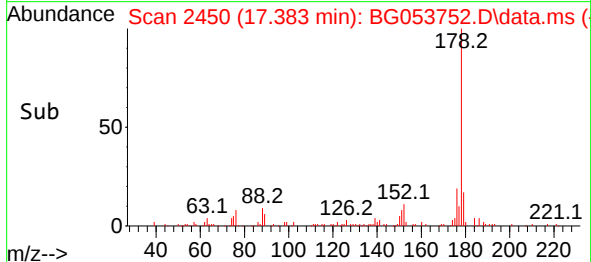
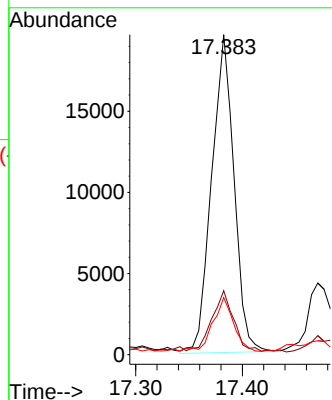
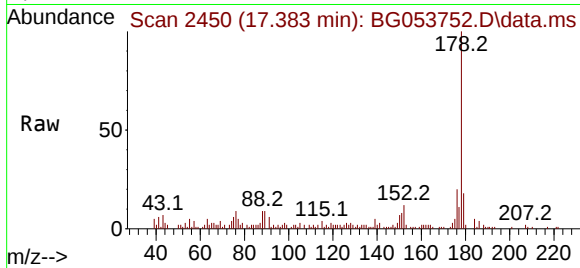




#72
 Anthracene
 Concen: 2.565 ng
 RT: 17.383 min Scan# 2419
 Delta R.T. -0.091 min
 Lab File: BG053752.D
 Acq: 28 May 2022 15:51

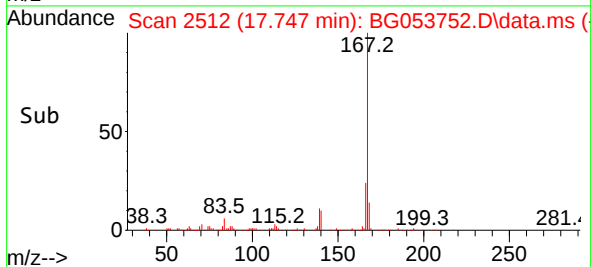
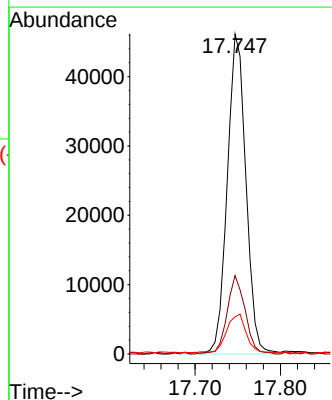
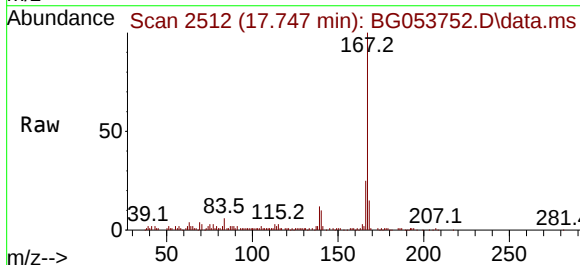
Instrument :
 BNA_G
 ClientSampleId :
 MW-02

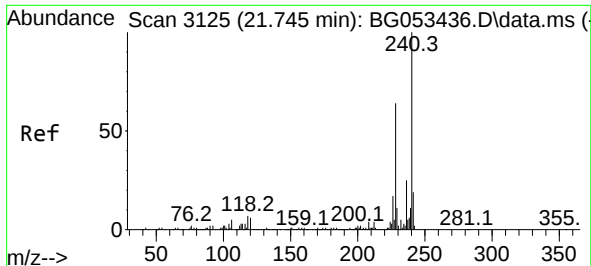
Tgt Ion:178 Resp: 28504
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.2 22.8
 179 17.9 13.0 19.4



#73
 Carbazole
 Concen: 6.454 ng
 RT: 17.747 min Scan# 2512
 Delta R.T. -0.003 min
 Lab File: BG053752.D
 Acq: 28 May 2022 15:51

Tgt Ion:167 Resp: 70279
 Ion Ratio Lower Upper
 167 100
 166 24.5 18.2 27.2
 139 11.6 10.1 15.1

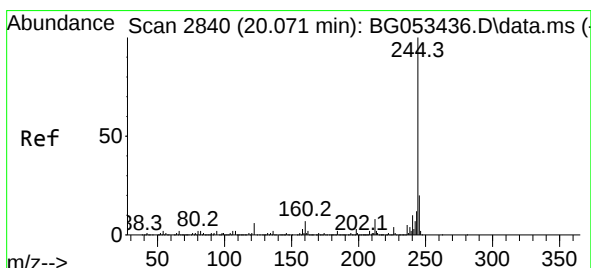
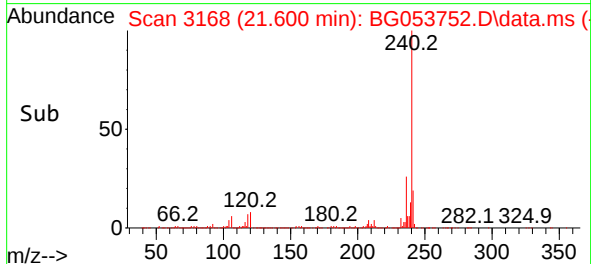
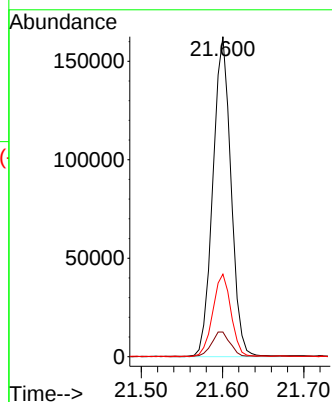
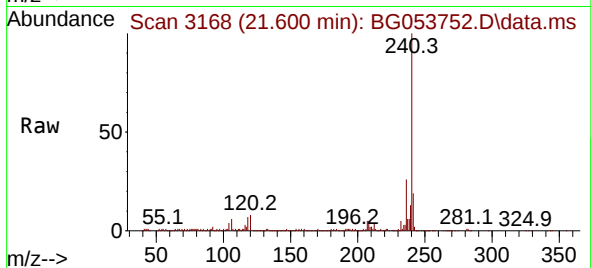




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.600 min Scan# 3125
Delta R.T. -0.009 min
Lab File: BG053752.D
Acq: 28 May 2022 15:51

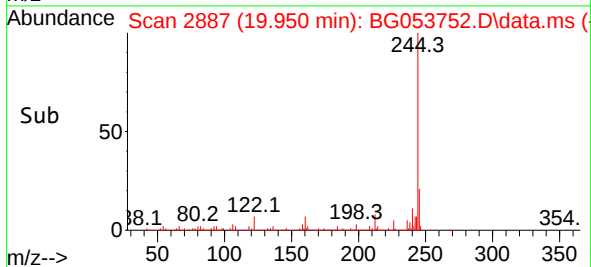
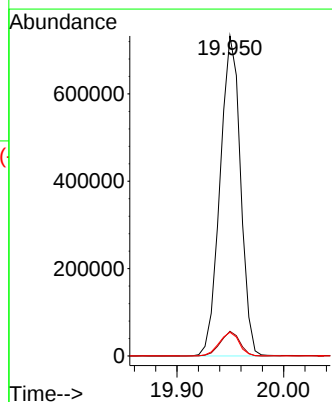
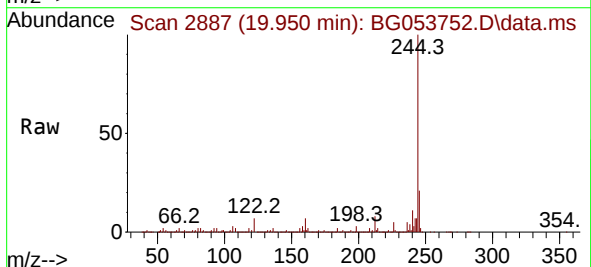
Instrument :
BNA_G
ClientSampleId :
MW-02

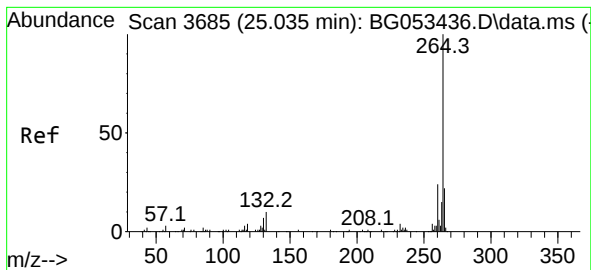
Tgt Ion:240 Resp: 251691
Ion Ratio Lower Upper
240 100
120 7.7 4.6 7.0#
236 25.8 20.2 30.4



#79
Terphenyl-d14
Concen: 72.159 ng
RT: 19.950 min Scan# 2887
Delta R.T. -0.003 min
Lab File: BG053752.D
Acq: 28 May 2022 15:51

Tgt Ion:244 Resp: 975142
Ion Ratio Lower Upper
244 100
212 7.7 6.5 9.7
122 7.4 5.0 7.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.778 min Scan# 31

Delta R.T. -0.009 min

Lab File: BG053752.D

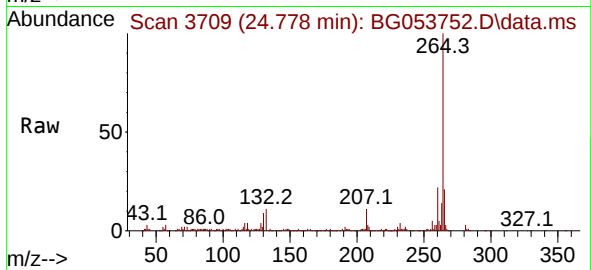
Acq: 28 May 2022 15:51

Instrument :

BNA_G

ClientSampleId :

MW-02



Tgt Ion:264 Resp: 214973

Ion Ratio Lower Upper

264 100

260 22.2 19.0 28.6

265 20.8 17.4 26.2

