

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
 Data File : BG054396.D
 Acq On : 26 Jul 2022 13:28
 Operator : CG/JU
 Sample : N3888-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S-2ND-TP

Quant Time: Jul 27 04:33:12 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 15 15:54:11 2022
 Response via : Initial Calibration

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

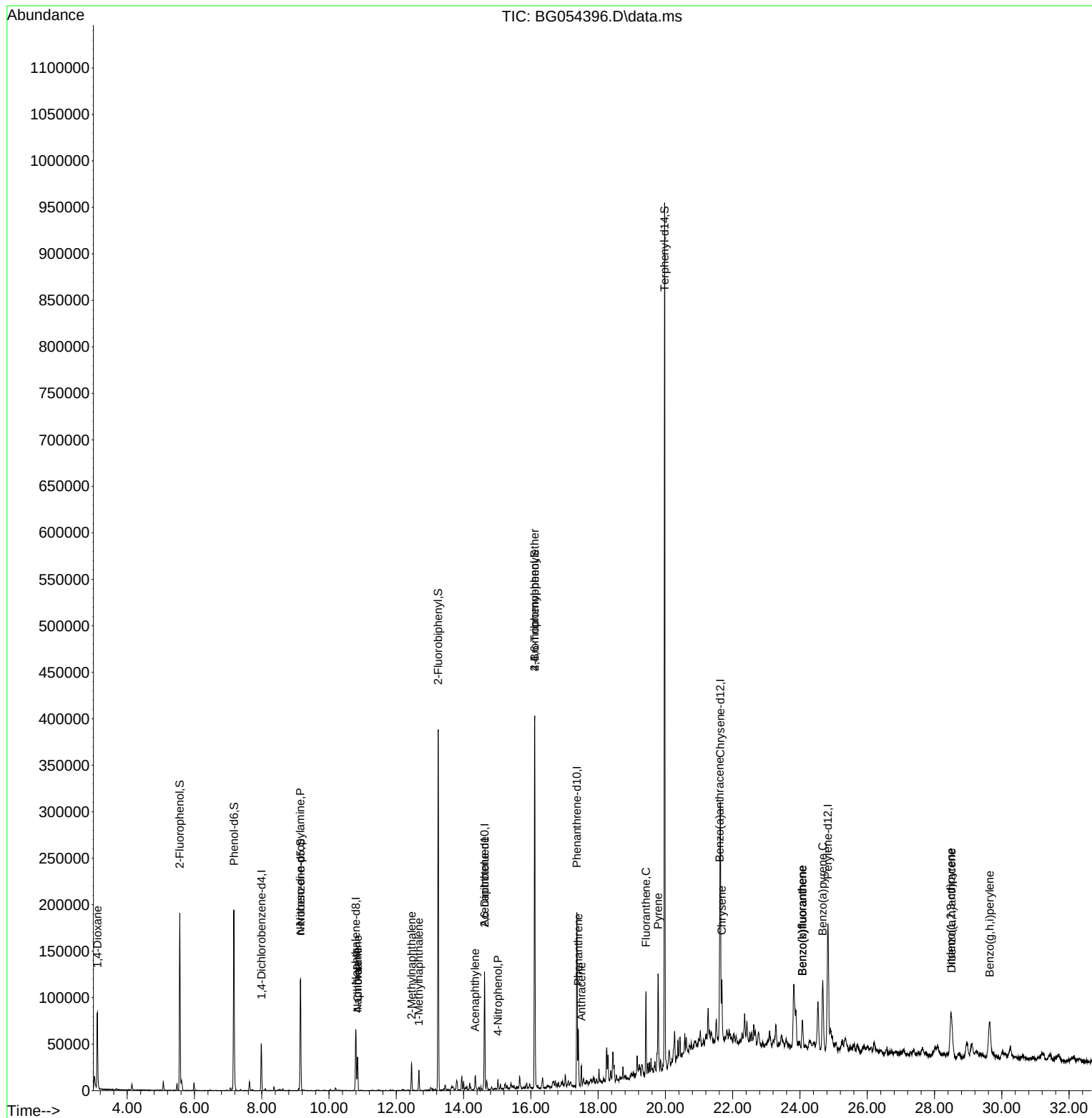
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.989	152	15740	20.000	ng	-0.01
21) Naphthalene-d8	10.797	136	61546	20.000	ng	#-0.01
39) Acenaphthene-d10	14.622	164	49647	20.000	ng	-0.01
64) Phenanthrene-d10	17.366	188	134407	20.000	ng	#-0.01
76) Chrysene-d12	21.632	240	157248	20.000	ng	#-0.01
86) Perylene-d12	24.828	264	166642	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.562	112	83665	110.980	ng	0.00
7) Phenol-d6	7.172	99	112030	108.452	ng	0.00
23) Nitrobenzene-d5	9.152	82	76223	67.444	ng	-0.01
42) 2,4,6-Tribromophenol	16.114	330	109067	104.630	ng	-0.01
45) 2-Fluorobiphenyl	13.247	172	229884	65.320	ng	-0.01
79) Terphenyl-d14	19.975	244	530335	66.906	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.112	88	901	3.004	ng	# 1
9) Benzaldehyde	7.131	77	236	Below Cal		# 1
19) n-Nitroso-di-n-propyla...	9.146	70	10652	15.442	ng	# 87
31) Naphthalene	10.844	128	32844	10.631	ng	# 98
33) 4-Chloroaniline	10.850	127	4605	3.665	ng	# 31
37) 2-Methylnaphthalene	12.454	142	14938	6.296	ng	# 93
38) 1-Methylnaphthalene	12.671	142	10950	4.737	ng	# 90
49) Acenaphthylene	14.346	152	11849	2.805	ng	# 93
51) 2,6-Dinitrotoluene	14.622	165	7323	8.609	ng	# 18
56) 4-Nitrophenol	15.022	139	1617	3.407	ng	# 2
67) 4-Bromophenyl-phenylether	16.114	248	6756	3.579	ng	# 1
71) Phenanthrene	17.413	178	44612	6.665	ng	# 96
72) Anthracene	17.501	178	15871	2.416	ng	# 98
75) Fluoranthene	19.422	202	58290	6.389	ng	# 96
78) Pyrene	19.781	202	72790	8.067	ng	# 99
81) Benzo(a)anthracene	21.614	228	55661	5.576	ng	# 91
83) Chrysene	21.679	228	52638	5.582	ng	# 94
87) Indeno(1,2,3-cd)pyrene	28.488	276	88561	6.986	ng	# 94
88) Benzo(b)fluoranthene	24.070	252	35158	3.568	ng	# 96
89) Benzo(k)fluoranthene	24.070	252	35158	3.585	ng	# 97
90) Benzo(a)pyrene	24.675	252	90860	10.796	ng	# 99
91) Dibenzo(a,h)anthracene	28.506	278	28941	2.776	ng	# 94
92) Benzo(g,h,i)perylene	29.640	276	88815	8.632	ng	# 94

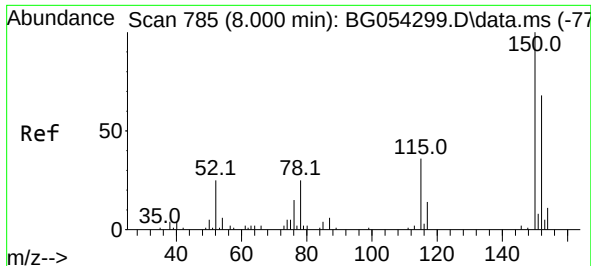
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
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Quant Time: Jul 27 04:33:12 2022
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 15 15:54:11 2022
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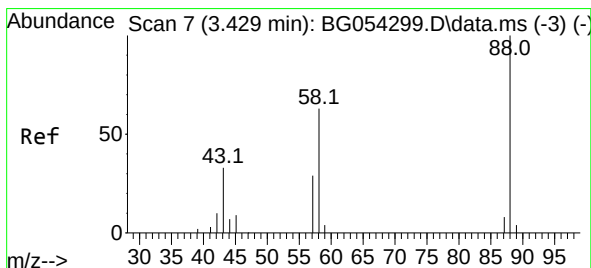
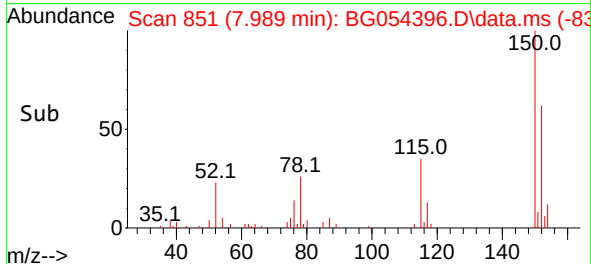
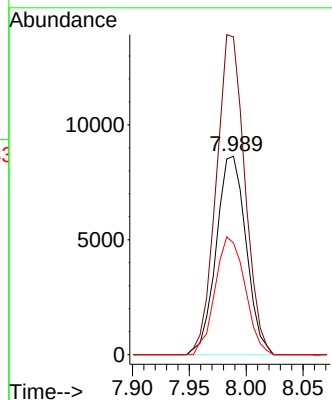
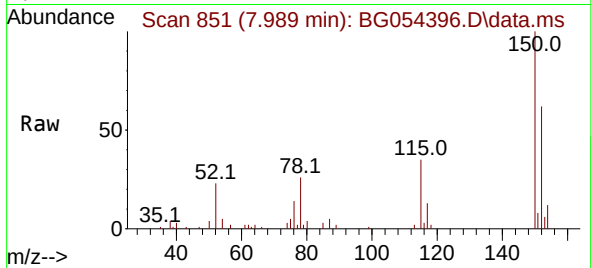




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.989 min Scan# 81
Delta R.T. -0.011 min
Lab File: BG054396.D
Acq: 26 Jul 2022 13:28

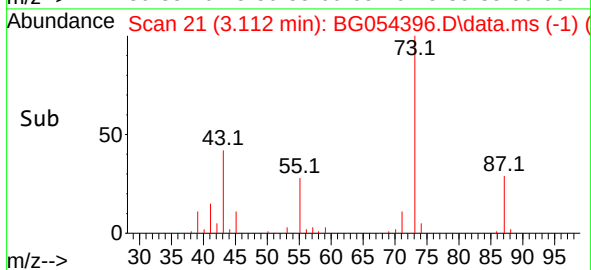
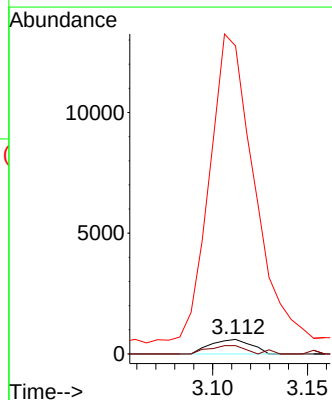
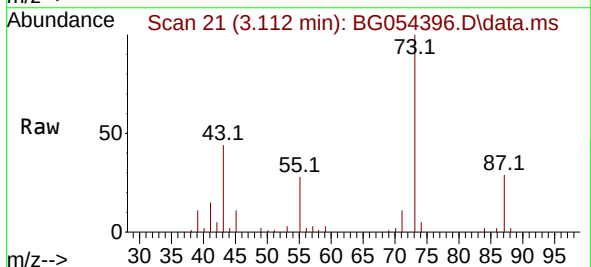
Instrument :
BNA_G
ClientSampleId :
S-2ND-TP

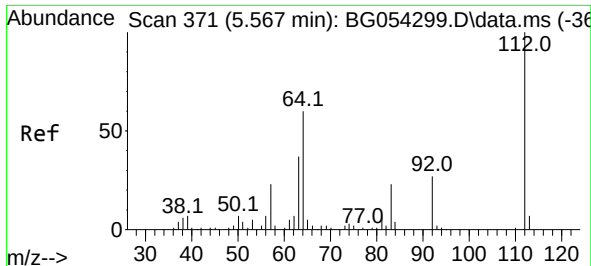
Tgt Ion:152 Resp: 15740
Ion Ratio Lower Upper
152 100
150 160.2 131.6 197.4
115 56.3 50.9 76.3



#2
1,4-Dioxane
Concen: 3.004 ng
RT: 3.112 min Scan# 21
Delta R.T. -0.317 min
Lab File: BG054396.D
Acq: 26 Jul 2022 13:28

Tgt Ion: 88 Resp: 901
Ion Ratio Lower Upper
88 100
58 56.7 59.2 88.8#
43 2518.8 24.3 36.5#

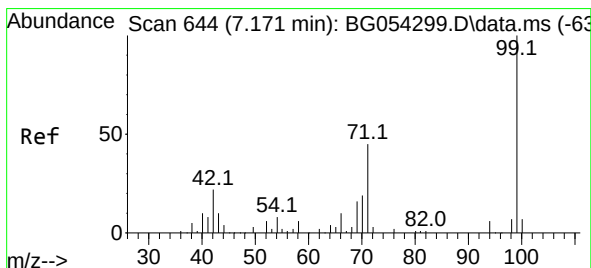
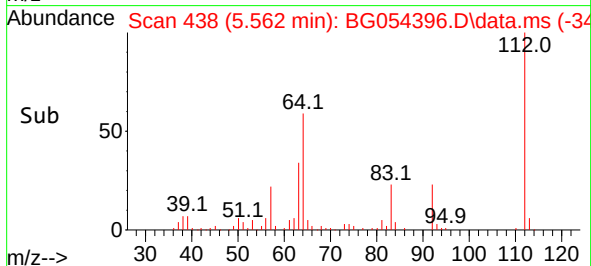
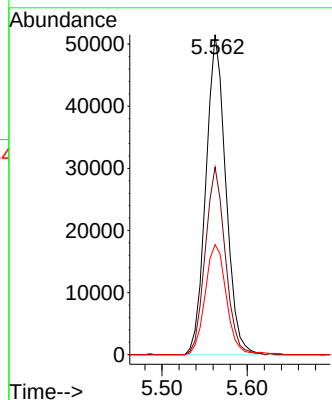
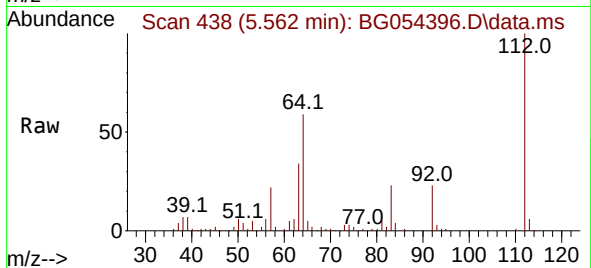




#5
2-Fluorophenol
Concen: 110.980 ng
RT: 5.562 min Scan# 41
Delta R.T. -0.005 min
Lab File: BG054396.D
Acq: 26 Jul 2022 13:28

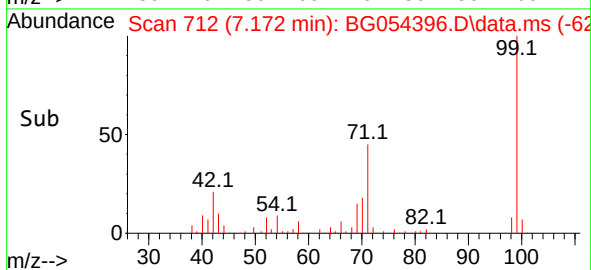
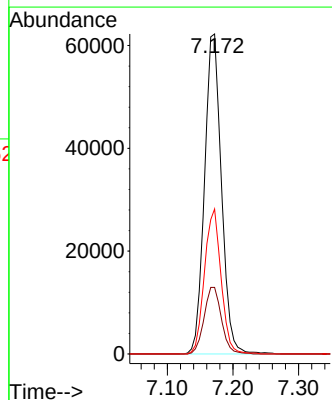
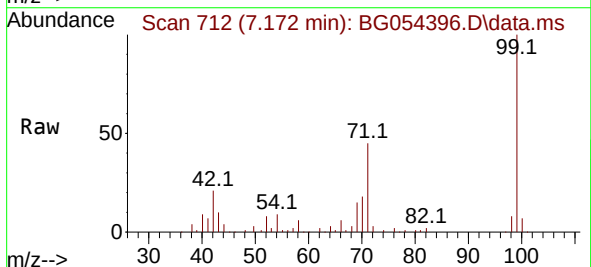
Instrument :
BNA_G
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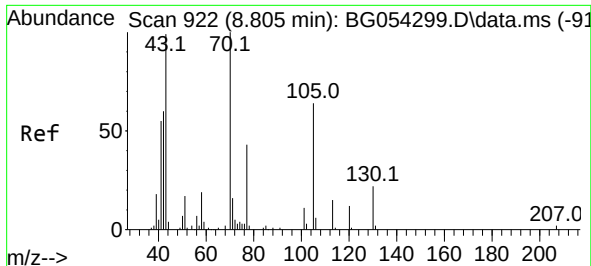
Tgt Ion:112 Resp: 83665
Ion Ratio Lower Upper
112 100
64 58.6 55.1 82.7
63 34.4 30.4 45.6



#7
Phenol-d6
Concen: 108.452 ng
RT: 7.172 min Scan# 712
Delta R.T. 0.001 min
Lab File: BG054396.D
Acq: 26 Jul 2022 13:28

Tgt Ion: 99 Resp: 112030
Ion Ratio Lower Upper
99 100
42 20.8 17.0 25.6
71 45.3 33.8 50.8

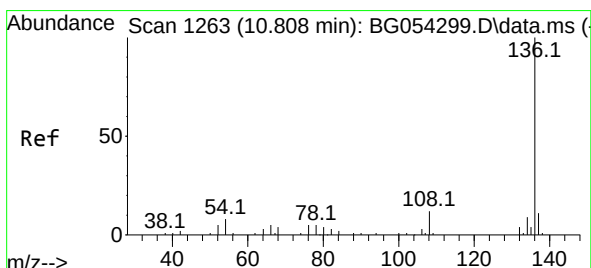
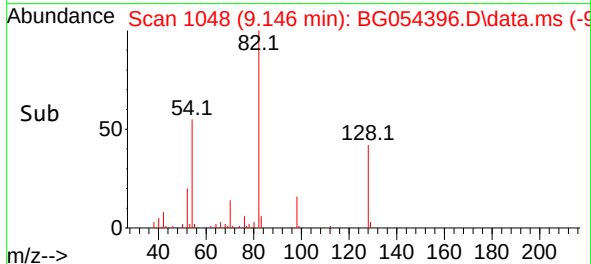
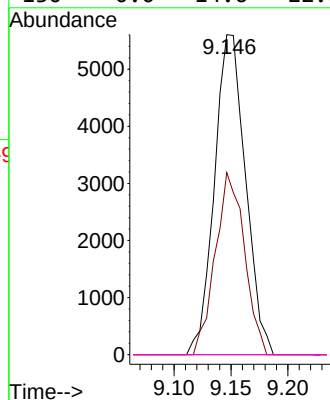
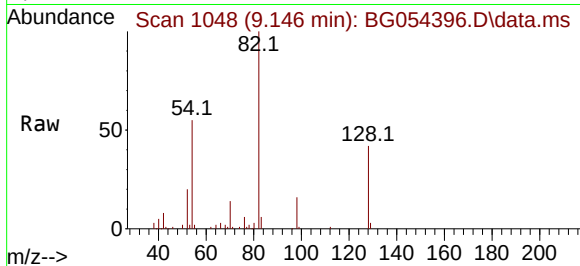




#19
n-Nitroso-di-n-propylamine
Concen: 15.442 ng
RT: 9.146 min Scan# 1048
Delta R.T. 0.341 min
Lab File: BG054396.D
Acq: 26 Jul 2022 13:28

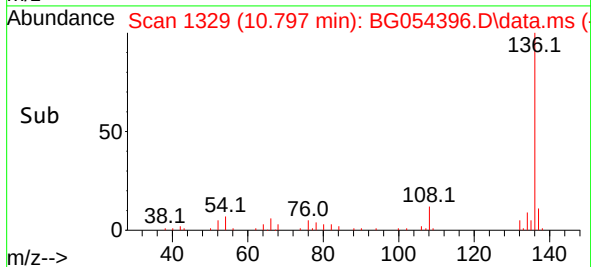
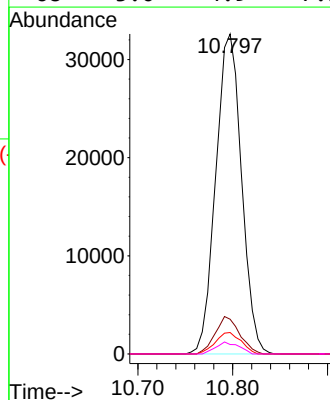
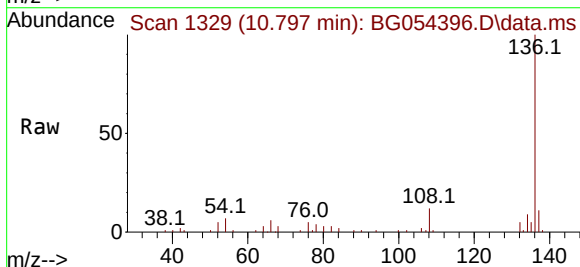
Instrument :
BNA_G
ClientSampleId :
S-2ND-TP

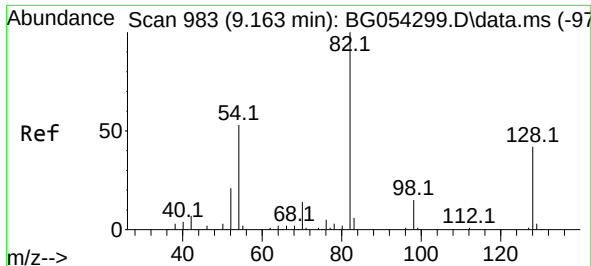
Tgt Ion:	70	Resp:	10652
Ion	Ratio	Lower	Upper
70	100		
42	56.9	47.3	70.9
101	0.0	7.0	10.4#
130	0.0	14.6	22.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.797 min Scan# 1329
Delta R.T. -0.011 min
Lab File: BG054396.D
Acq: 26 Jul 2022 13:28

Tgt Ion:	136	Resp:	61546
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	6.7	7.4	11.2#
68	3.0	4.9	7.3#

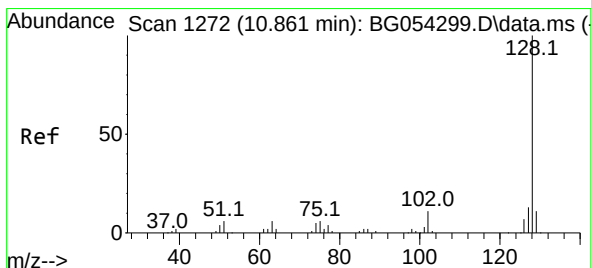
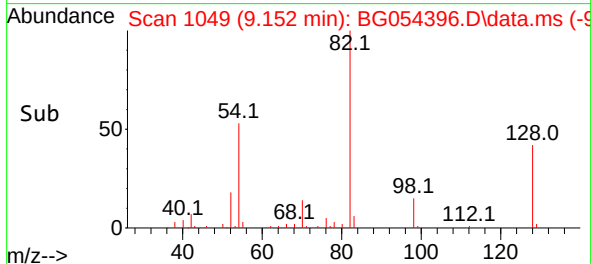
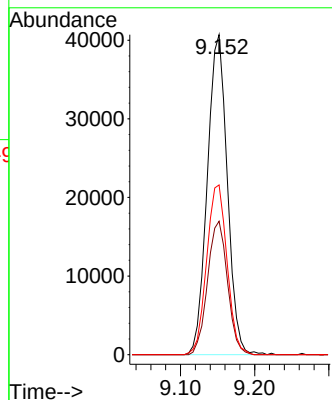
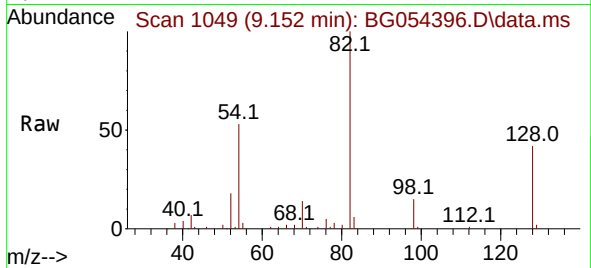




#23
Nitrobenzene-d5
Concen: 67.444 ng
RT: 9.152 min Scan# 1049
Delta R.T. -0.011 min
Lab File: BG054396.D
Acq: 26 Jul 2022 13:28

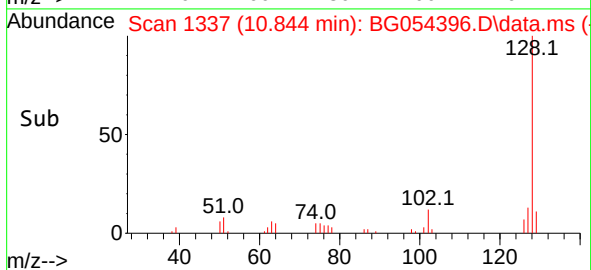
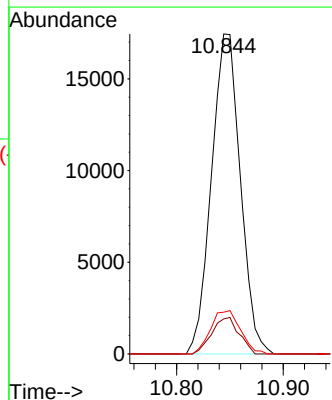
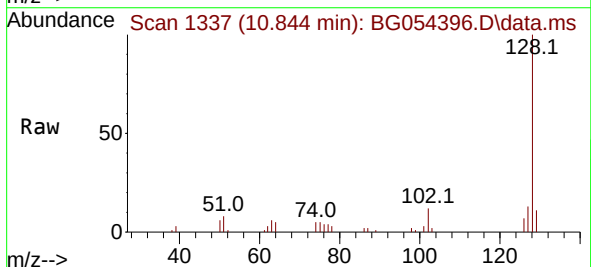
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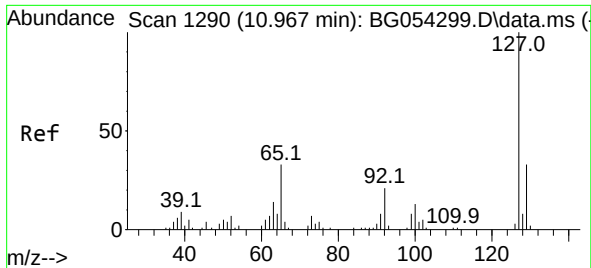
Tgt Ion: 82 Resp: 76223
Ion Ratio Lower Upper
82 100
128 41.7 27.9 41.9
54 53.0 41.2 61.8



#31
Naphthalene
Concen: 10.631 ng
RT: 10.844 min Scan# 1337
Delta R.T. -0.017 min
Lab File: BG054396.D
Acq: 26 Jul 2022 13:28

Tgt Ion: 128 Resp: 32844
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.6
127 13.1 11.1 16.7

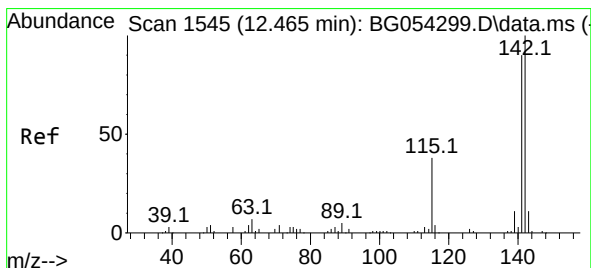
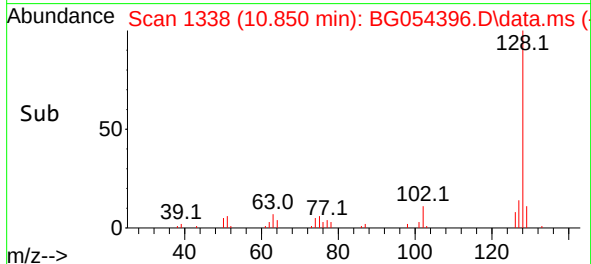
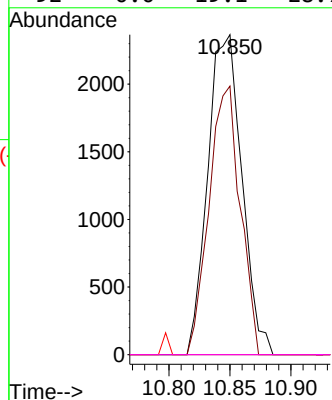
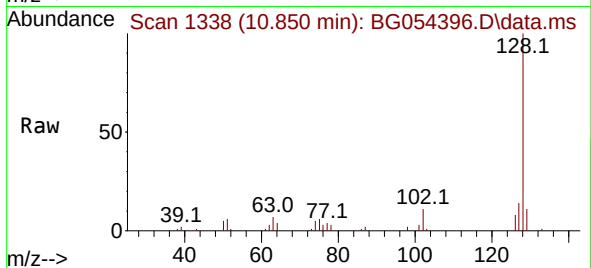




#33
4-Chloroaniline
Concen: 3.665 ng
RT: 10.850 min Scan# 11
Delta R.T. -0.117 min
Lab File: BG054396.D
Acq: 26 Jul 2022 13:28

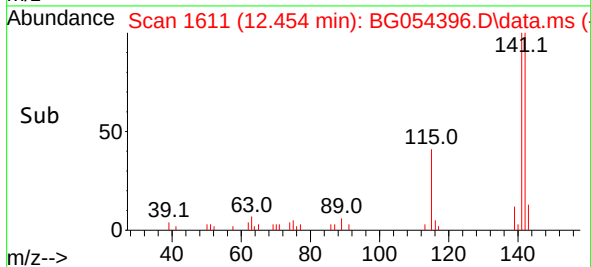
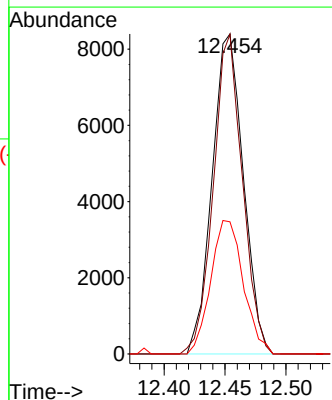
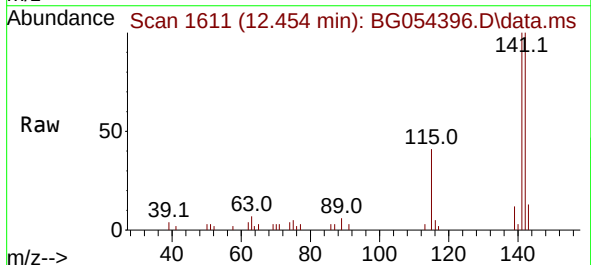
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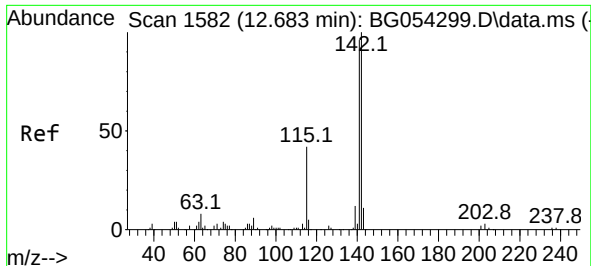
Tgt Ion:127	Resp:	4605
Ion Ratio	Lower	Upper
127	100	
129	83.9	26.3 39.5#
65	0.0	31.1 46.7#
92	0.0	19.1 28.7#



#37
2-Methylnaphthalene
Concen: 6.296 ng
RT: 12.454 min Scan# 1611
Delta R.T. -0.011 min
Lab File: BG054396.D
Acq: 26 Jul 2022 13:28

Tgt Ion:142	Resp:	14938
Ion Ratio	Lower	Upper
142	100	
141	99.9	72.3 108.5
115	41.3	33.7 50.5

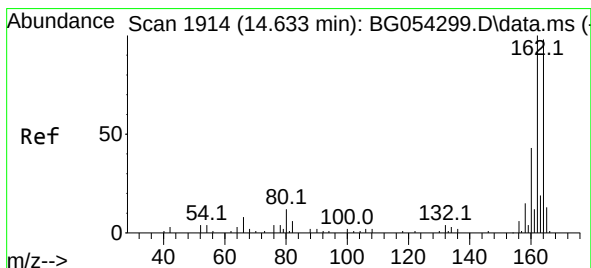
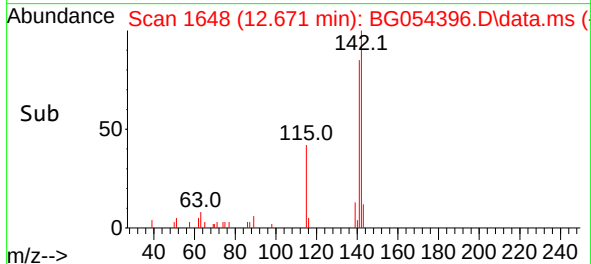
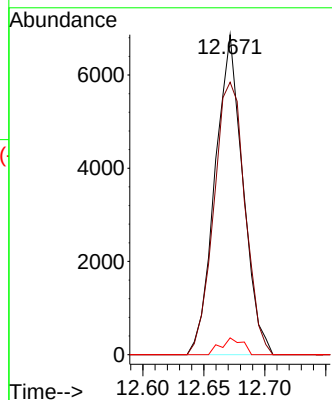
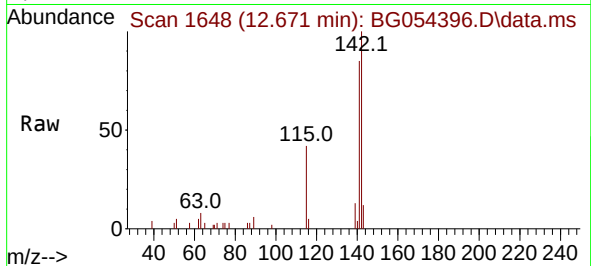




#38
1-Methylnaphthalene
Concen: 4.737 ng
RT: 12.671 min Scan# 1
Delta R.T. -0.011 min
Lab File: BG054396.D
Acq: 26 Jul 2022 13:28

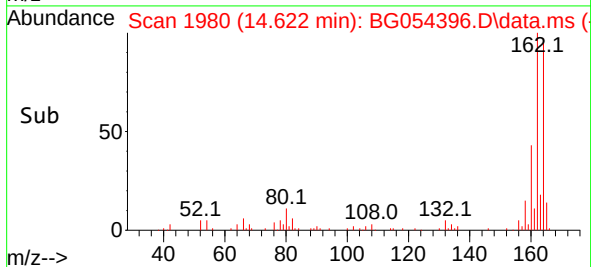
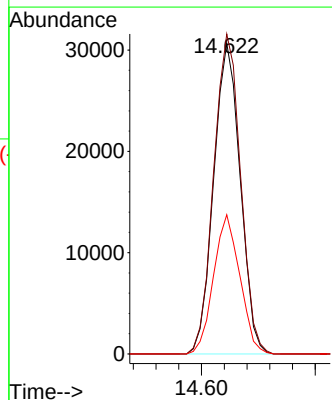
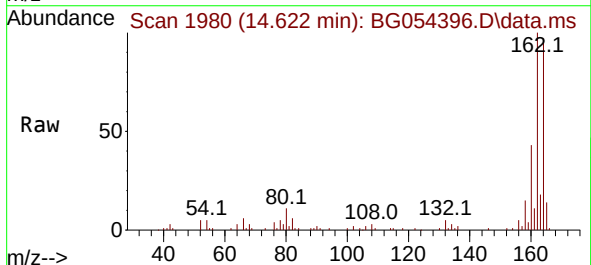
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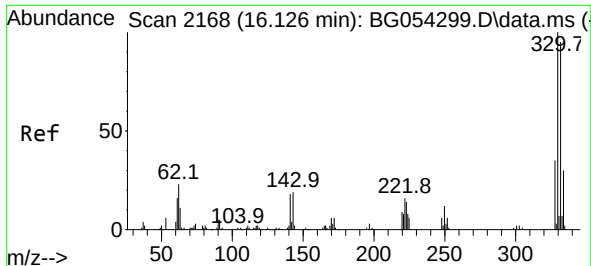
Tgt Ion:142 Resp: 10950
Ion Ratio Lower Upper
142 100
141 85.2 76.4 114.6
116 5.2 3.3 4.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.622 min Scan# 1980
Delta R.T. -0.011 min
Lab File: BG054396.D
Acq: 26 Jul 2022 13:28

Tgt Ion:164 Resp: 49647
Ion Ratio Lower Upper
164 100
162 103.0 82.3 123.5
160 44.8 34.2 51.2

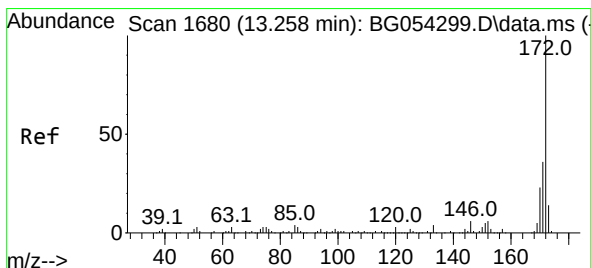
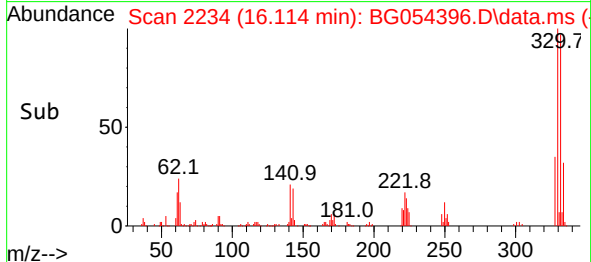
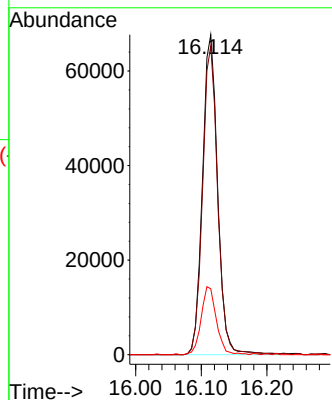
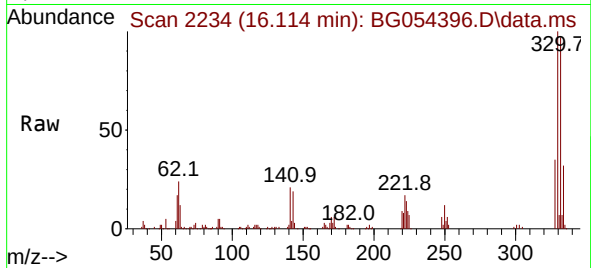




#42
2,4,6-Tribromophenol
Concen: 104.630 ng
RT: 16.114 min Scan# 2168
Delta R.T. -0.011 min
Lab File: BG054396.D
Acq: 26 Jul 2022 13:28

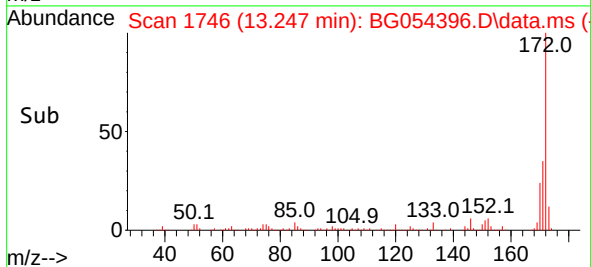
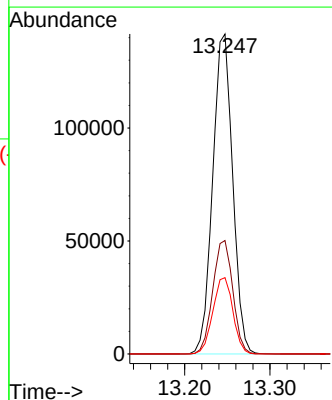
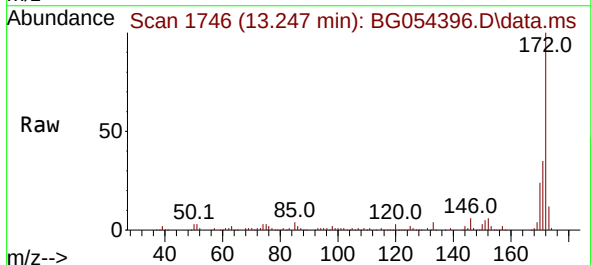
Instrument :
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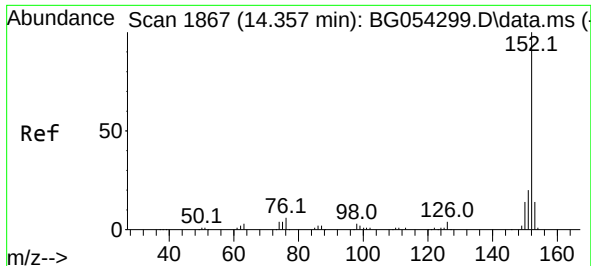
Tgt Ion:330 Resp: 109067
Ion Ratio Lower Upper
330 100
332 95.8 76.0 114.0
141 21.4 27.1 40.7#



#45
2-Fluorobiphenyl
Concen: 65.320 ng
RT: 13.247 min Scan# 1746
Delta R.T. -0.011 min
Lab File: BG054396.D
Acq: 26 Jul 2022 13:28

Tgt Ion:172 Resp: 229884
Ion Ratio Lower Upper
172 100
171 35.5 28.5 42.7
170 23.9 18.9 28.3

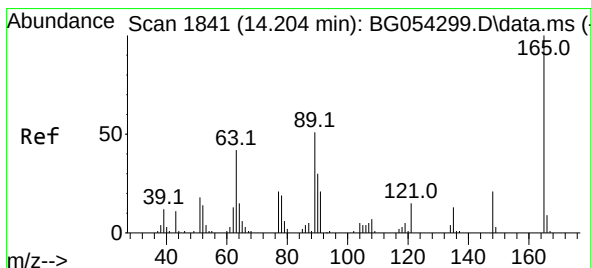
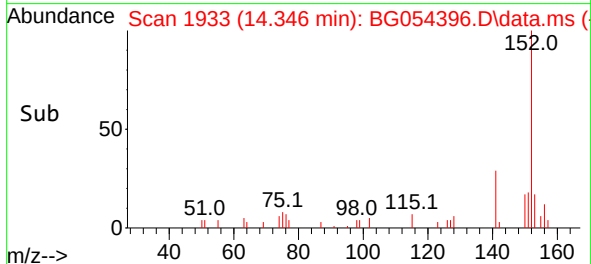
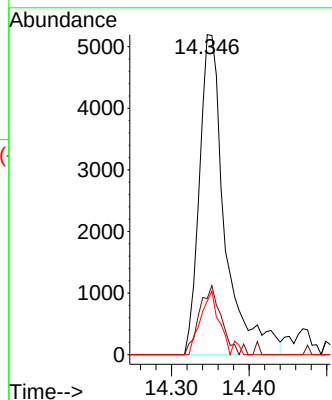
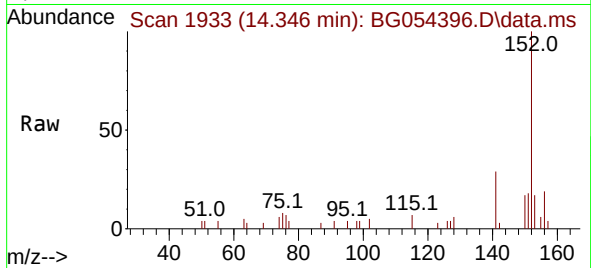




#49
Acenaphthylene
Concen: 2.805 ng
RT: 14.346 min Scan# 1933
Delta R.T. -0.011 min
Lab File: BG054396.D
Acq: 26 Jul 2022 13:28

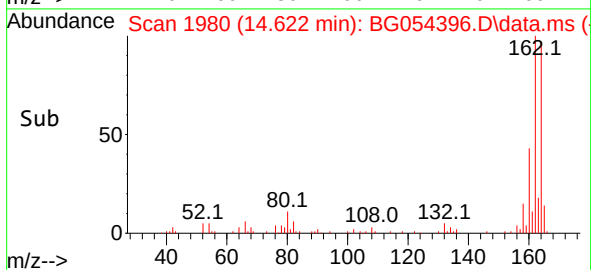
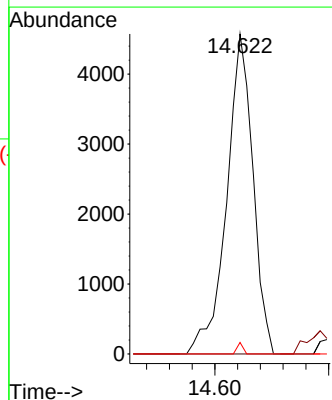
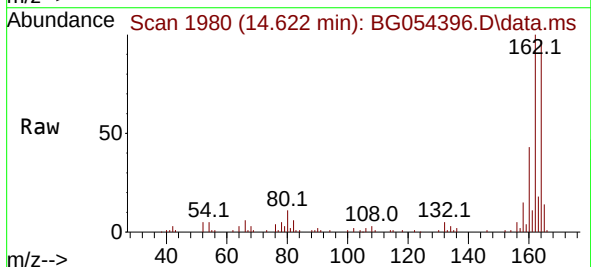
Instrument :
BNA_G
ClientSampleId :
S-2ND-TP

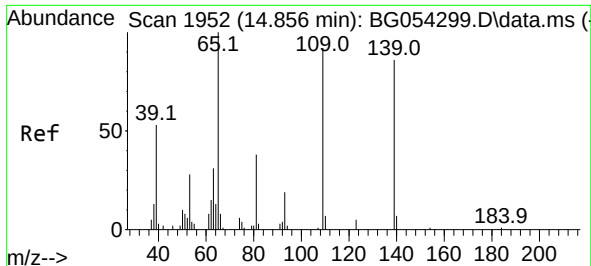
Tgt Ion:152 Resp: 11849
Ion Ratio Lower Upper
152 100
151 17.6 16.4 24.6
153 16.8 10.8 16.2#



#51
2,6-Dinitrotoluene
Concen: 8.609 ng
RT: 14.622 min Scan# 1980
Delta R.T. 0.418 min
Lab File: BG054396.D
Acq: 26 Jul 2022 13:28

Tgt Ion:165 Resp: 7323
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 3.6 54.8 82.2#

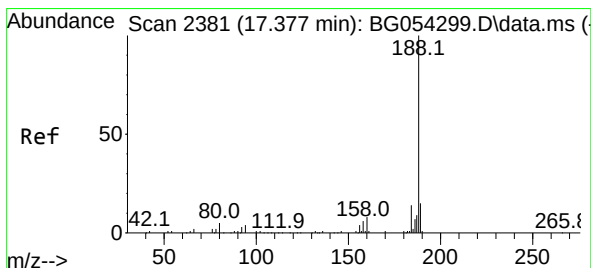
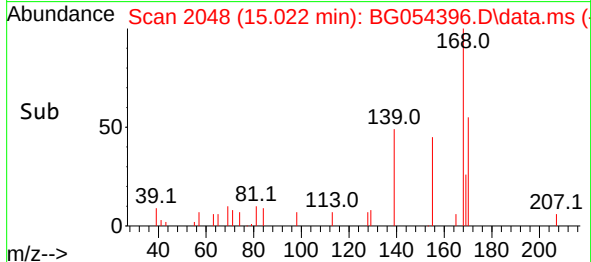
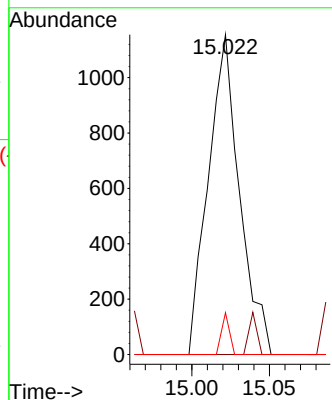
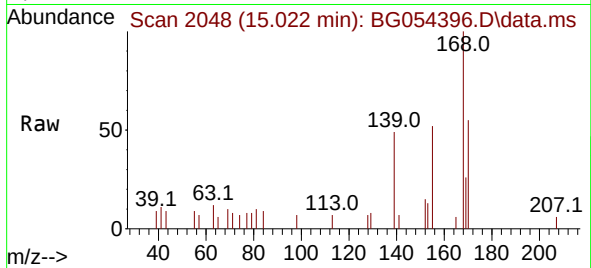




#56
4-Nitrophenol
Concen: 3.407 ng
RT: 15.022 min Scan# 2048
Delta R.T. 0.166 min
Lab File: BG054396.D
Acq: 26 Jul 2022 13:28

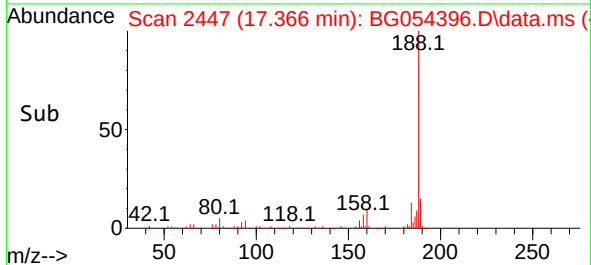
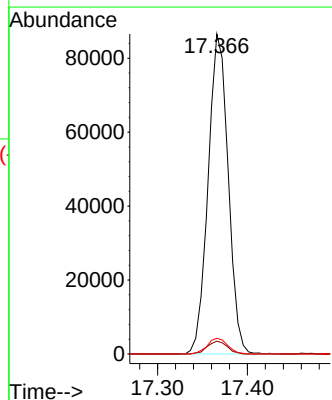
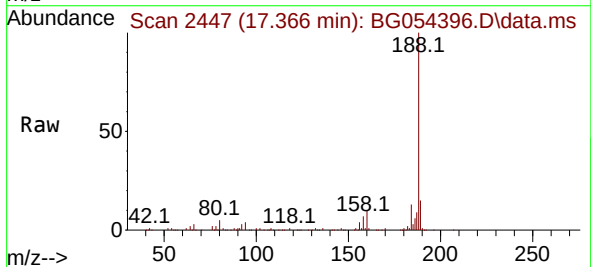
Instrument :
BNA_G
ClientSampleId :
S-2ND-TP

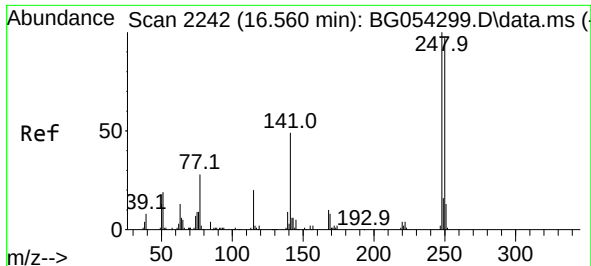
Tgt Ion:139 Resp: 1617
Ion Ratio Lower Upper
139 100
109 0.0 88.5 128.5#
65 13.1 93.9 133.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.366 min Scan# 2447
Delta R.T. -0.011 min
Lab File: BG054396.D
Acq: 26 Jul 2022 13:28

Tgt Ion:188 Resp: 134407
Ion Ratio Lower Upper
188 100
94 4.0 5.4 8.0#
80 4.9 6.8 10.2#

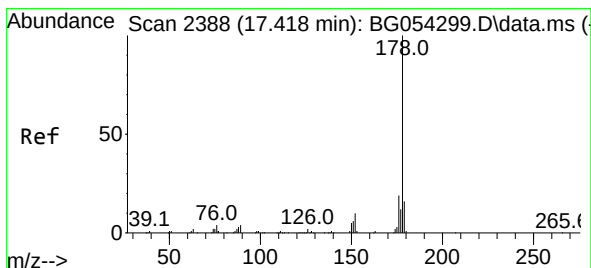
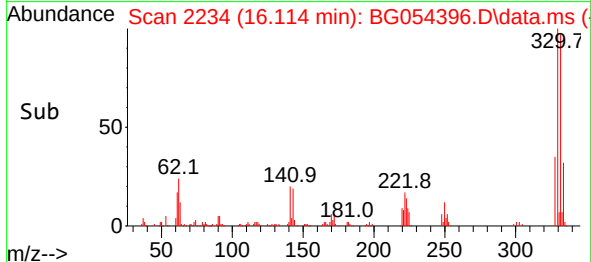
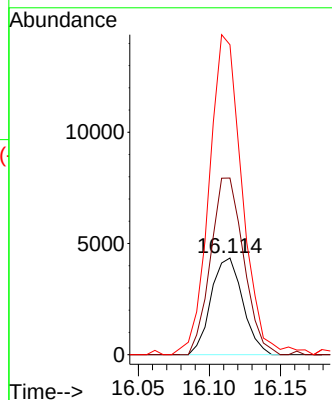
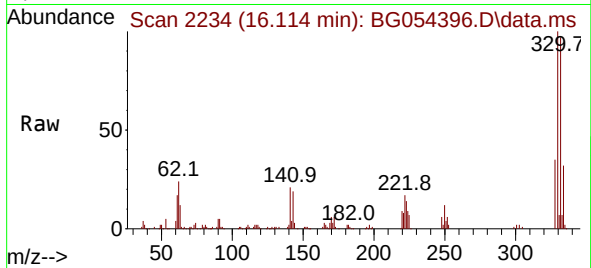




#67
4-Bromophenyl-phenylether
Concen: 3.579 ng
RT: 16.114 min Scan# 21
Delta R.T. -0.446 min
Lab File: BG054396.D
Acq: 26 Jul 2022 13:28

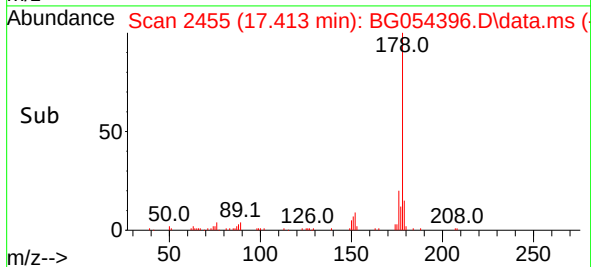
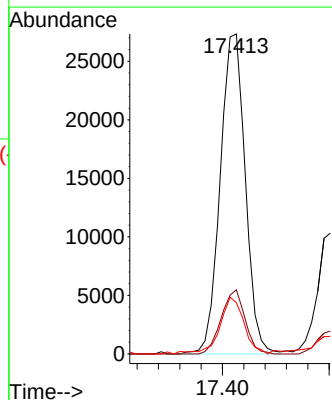
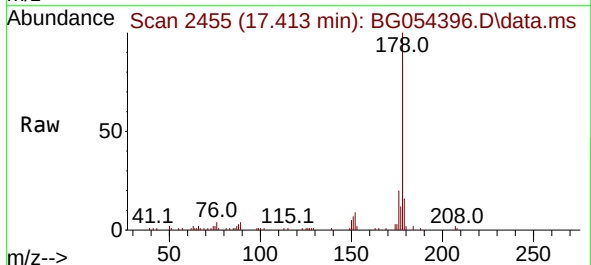
Instrument :
BNA_G
ClientSampleId :
S-2ND-TP

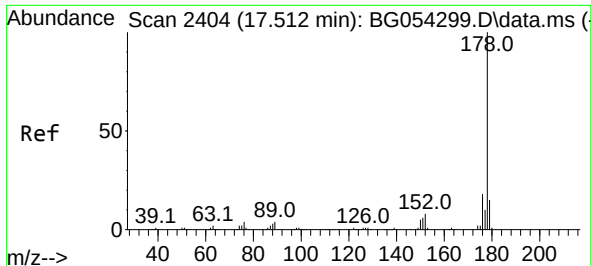
Tgt Ion:248 Resp: 6756
Ion Ratio Lower Upper
248 100
250 182.7 75.2 112.8#
141 320.5 50.0 75.0#



#71
Phenanthrene
Concen: 6.665 ng
RT: 17.413 min Scan# 2455
Delta R.T. -0.005 min
Lab File: BG054396.D
Acq: 26 Jul 2022 13:28

Tgt Ion:178 Resp: 44612
Ion Ratio Lower Upper
178 100
176 20.1 14.1 21.1
179 16.0 12.1 18.1

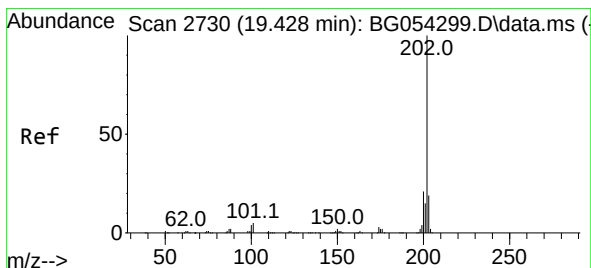
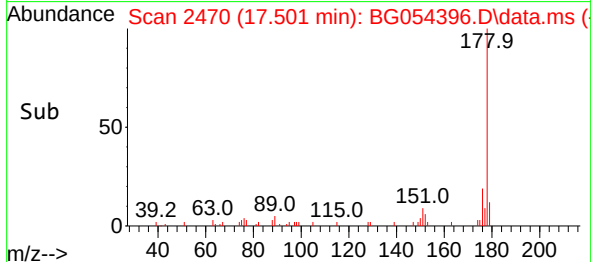
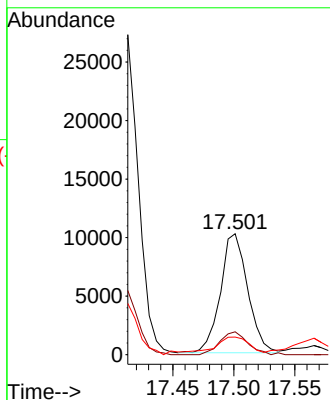
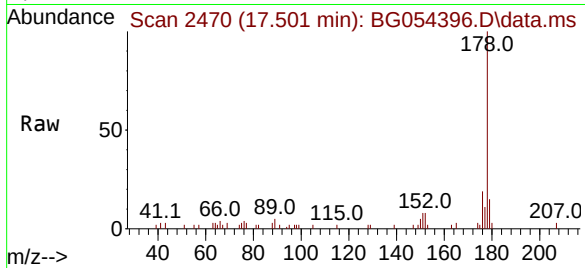




#72
 Anthracene
 Concen: 2.416 ng
 RT: 17.501 min Scan# 2404
 Delta R.T. -0.011 min
 Lab File: BG054396.D
 Acq: 26 Jul 2022 13:28

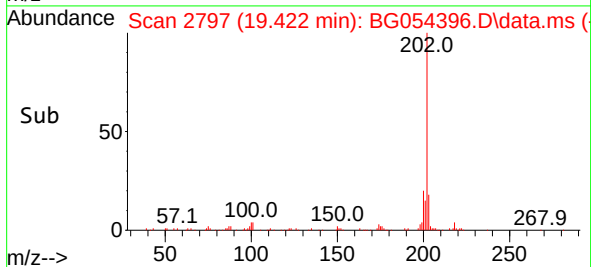
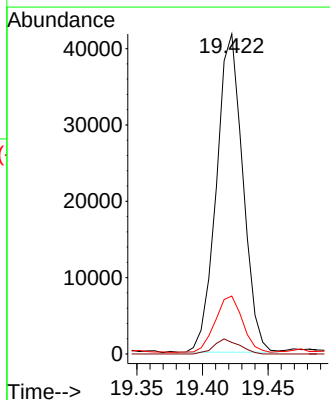
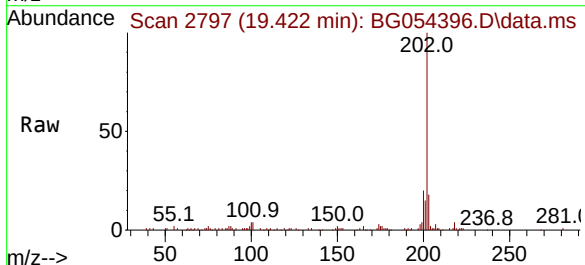
Instrument :
 BNA_G
 ClientSampleId :
 S-2ND-TP

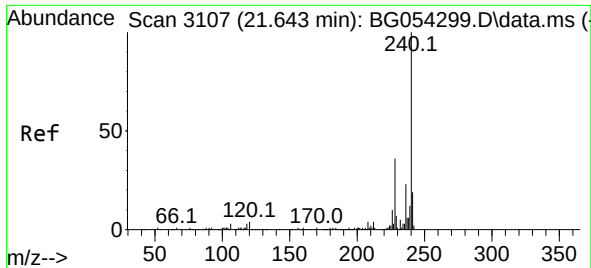
Tgt Ion:178 Resp: 15871
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.2 22.8
 179 14.6 13.0 19.4



#75
 Fluoranthene
 Concen: 6.389 ng
 RT: 19.422 min Scan# 2797
 Delta R.T. -0.005 min
 Lab File: BG054396.D
 Acq: 26 Jul 2022 13:28

Tgt Ion:202 Resp: 58290
 Ion Ratio Lower Upper
 202 100
 101 3.6 0.0 26.9
 203 18.1 0.0 37.2

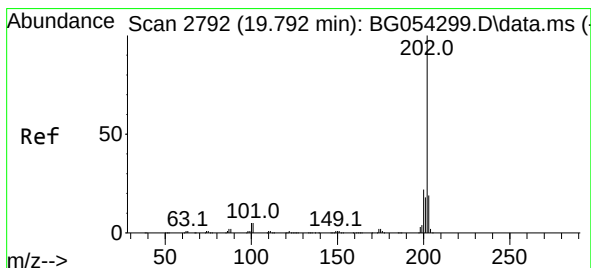
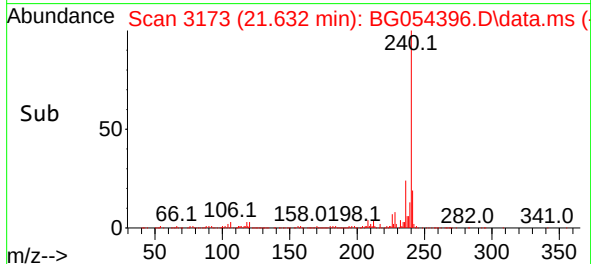
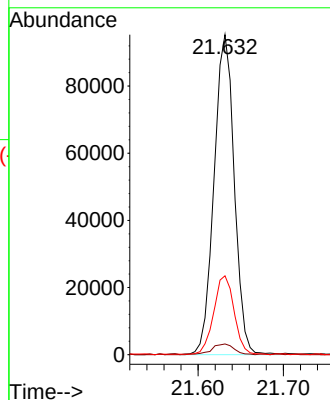
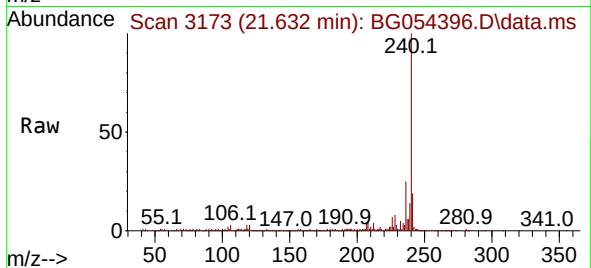




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.632 min Scan# 31
Delta R.T. -0.011 min
Lab File: BG054396.D
Acq: 26 Jul 2022 13:28

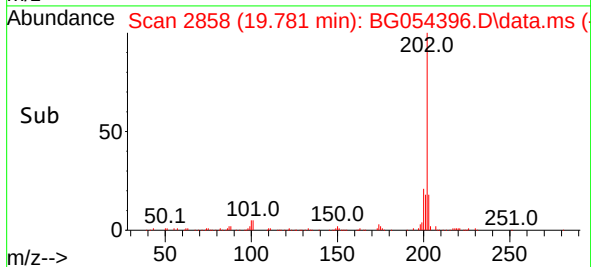
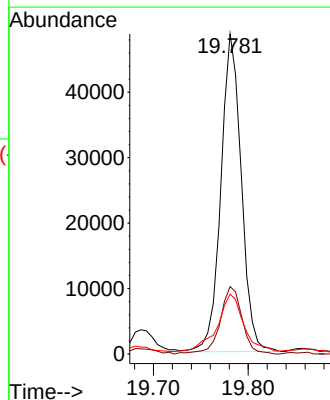
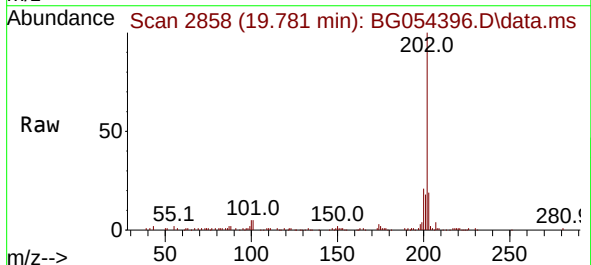
Instrument :
BNA_G
ClientSampleId :
S-2ND-TP

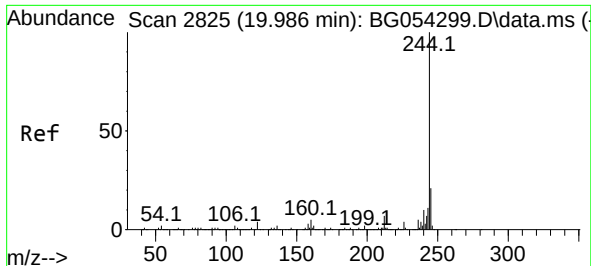
Tgt Ion:240 Resp: 157248
Ion Ratio Lower Upper
240 100
120 3.4 4.6 7.0#
236 24.7 20.2 30.4



#78
Pyrene
Concen: 8.067 ng
RT: 19.781 min Scan# 2858
Delta R.T. -0.011 min
Lab File: BG054396.D
Acq: 26 Jul 2022 13:28

Tgt Ion:202 Resp: 72790
Ion Ratio Lower Upper
202 100
200 21.0 16.6 24.8
203 18.7 14.6 21.8

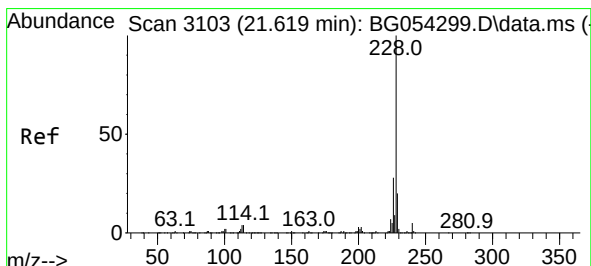
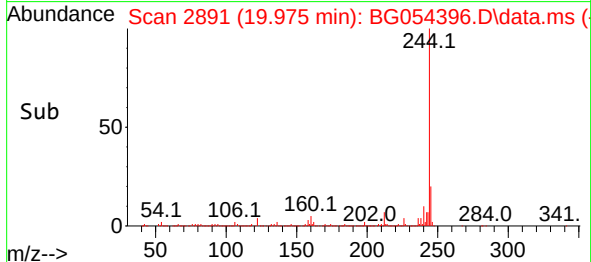
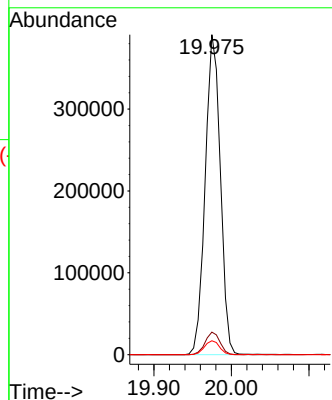
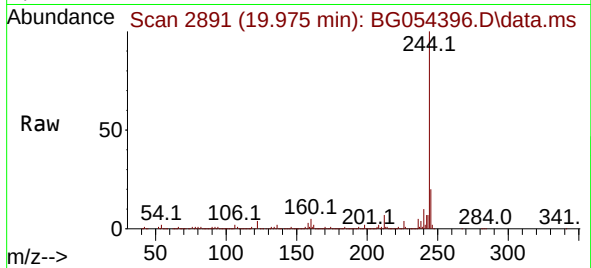




#79
 Terphenyl-d14
 Concen: 66.906 ng
 RT: 19.975 min Scan# 21
 Delta R.T. -0.011 min
 Lab File: BG054396.D
 Acq: 26 Jul 2022 13:28

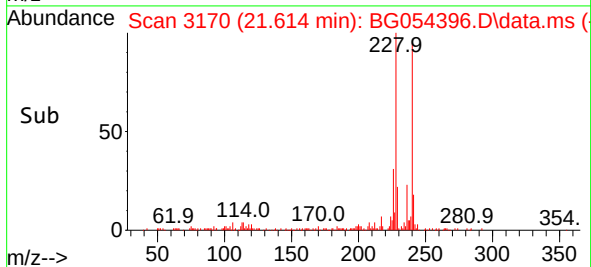
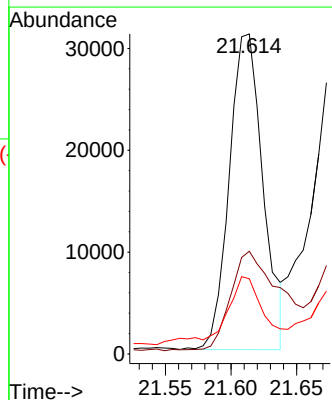
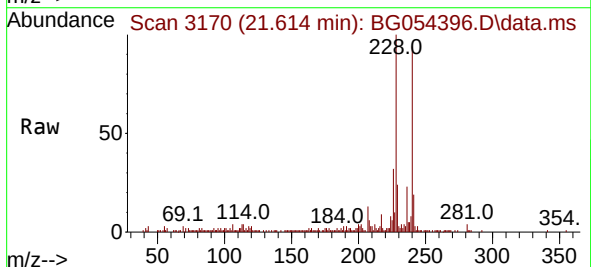
Instrument :
 BNA_G
 ClientSampleId :
 S-2ND-TP

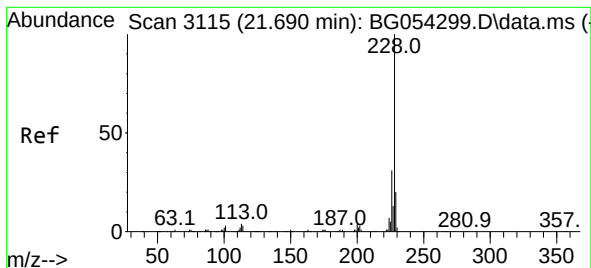
Tgt Ion:244 Resp: 530335
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.5 9.7
 122 4.4 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 5.576 ng
 RT: 21.614 min Scan# 3170
 Delta R.T. -0.005 min
 Lab File: BG054396.D
 Acq: 26 Jul 2022 13:28

Tgt Ion:228 Resp: 55661
 Ion Ratio Lower Upper
 228 100
 226 32.1 21.6 32.4
 229 23.5 16.2 24.2





#83

Chrysene

Concen: 5.582 ng

RT: 21.679 min Scan# 3115

Delta R.T. -0.011 min

Lab File: BG054396.D

Acq: 26 Jul 2022 13:28

Instrument :

BNA_G

ClientSampleId :

S-2ND-TP

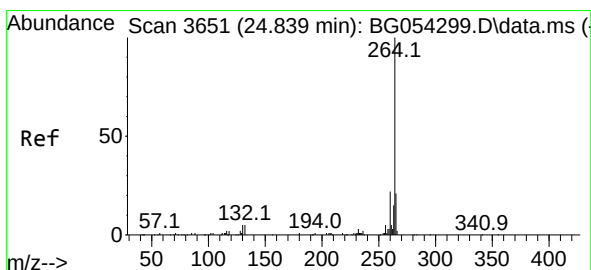
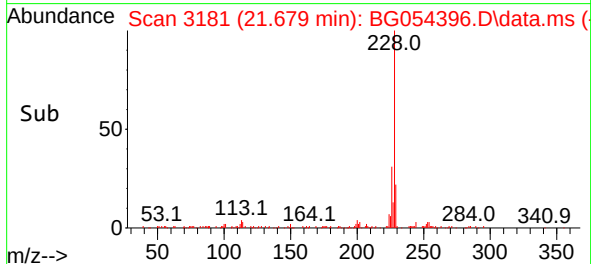
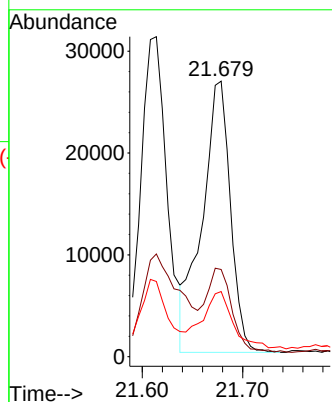
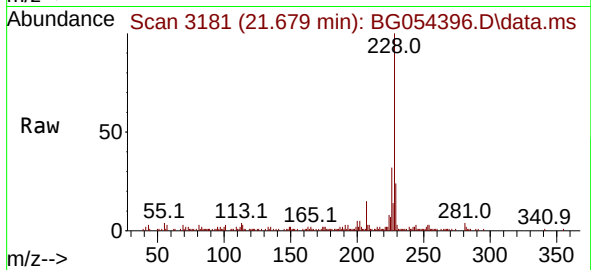
Tgt Ion:228 Resp: 52638

Ion Ratio Lower Upper

228 100

226 31.7 23.4 35.2

229 23.6 15.5 23.3#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.828 min Scan# 3717

Delta R.T. -0.011 min

Lab File: BG054396.D

Acq: 26 Jul 2022 13:28

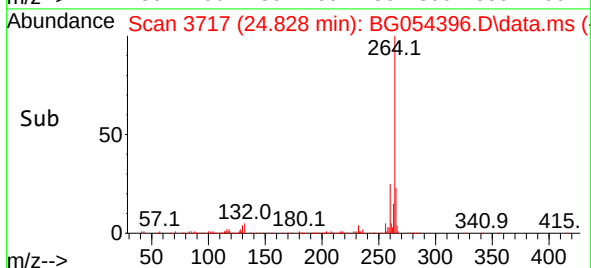
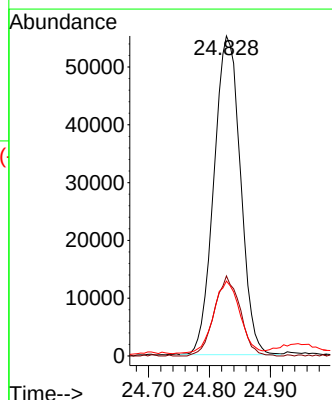
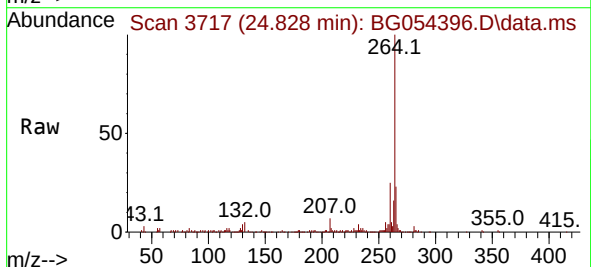
Tgt Ion:264 Resp: 166642

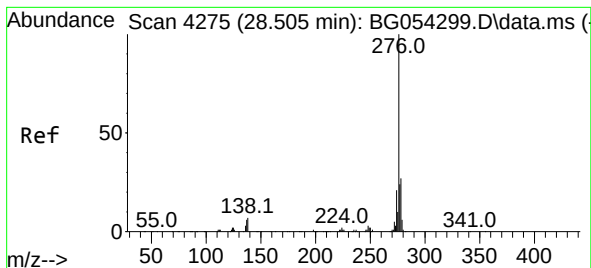
Ion Ratio Lower Upper

264 100

260 25.0 19.0 28.6

265 23.4 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.986 ng

RT: 28.488 min Scan# 41

Delta R.T. -0.017 min

Lab File: BG054396.D

Acq: 26 Jul 2022 13:28

Instrument :

BNA_G

ClientSampleId :

S-2ND-TP

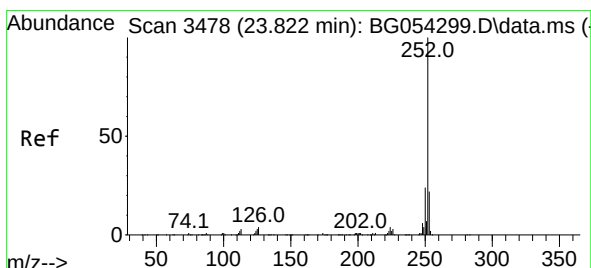
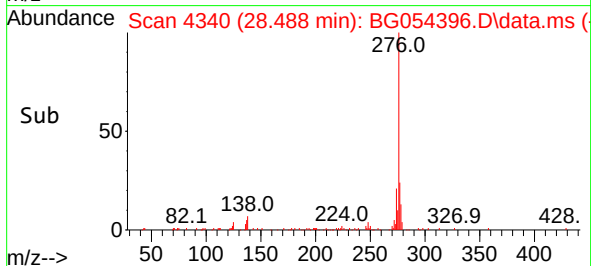
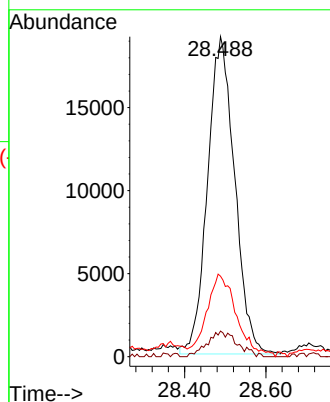
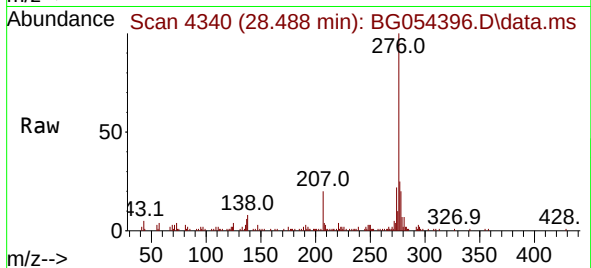
Tgt Ion:276 Resp: 88561

Ion Ratio Lower Upper

276 100

138 5.3 5.0 7.4

277 28.7 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 3.568 ng

RT: 24.070 min Scan# 3588

Delta R.T. 0.247 min

Lab File: BG054396.D

Acq: 26 Jul 2022 13:28

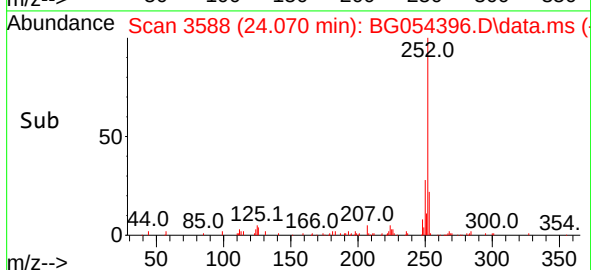
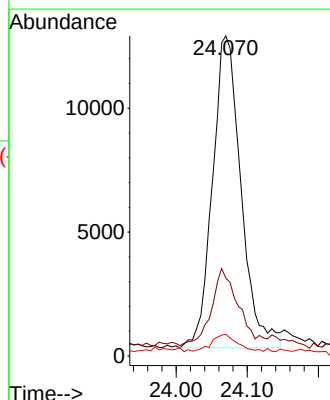
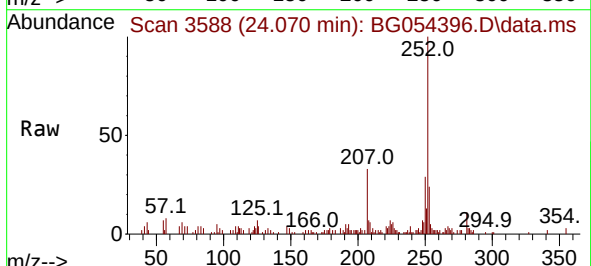
Tgt Ion:252 Resp: 35158

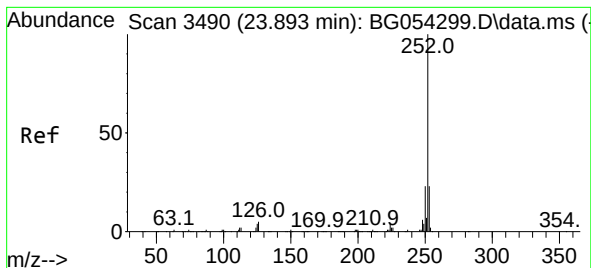
Ion Ratio Lower Upper

252 100

253 24.4 18.0 27.0

125 6.8 4.6 6.8





#89

Benzo(k)fluoranthene

Concen: 3.585 ng

RT: 24.070 min Scan# 3

Delta R.T. 0.177 min

Lab File: BG054396.D

Acq: 26 Jul 2022 13:28

Instrument :

BNA_G

ClientSampleId :

S-2ND-TP

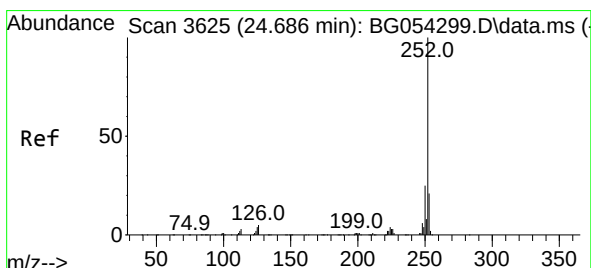
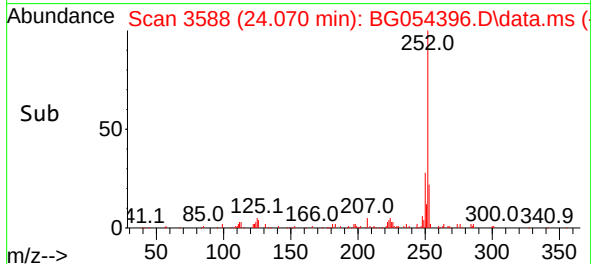
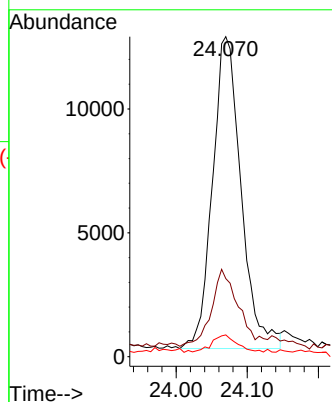
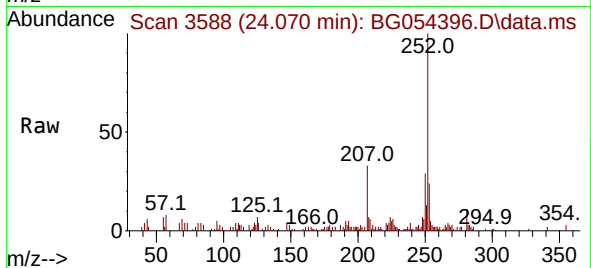
Tgt Ion:252 Resp: 35158

Ion Ratio Lower Upper

252 100

253 24.4 18.4 27.6

125 6.8 4.8 7.2



#90

Benzo(a)pyrene

Concen: 10.796 ng

RT: 24.675 min Scan# 3691

Delta R.T. -0.011 min

Lab File: BG054396.D

Acq: 26 Jul 2022 13:28

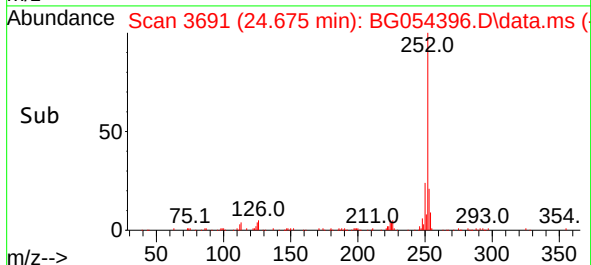
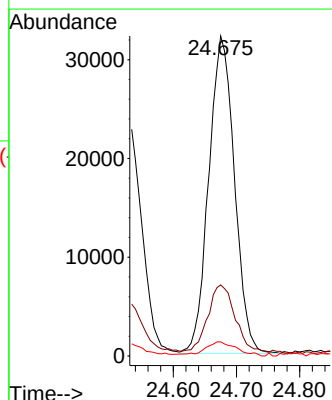
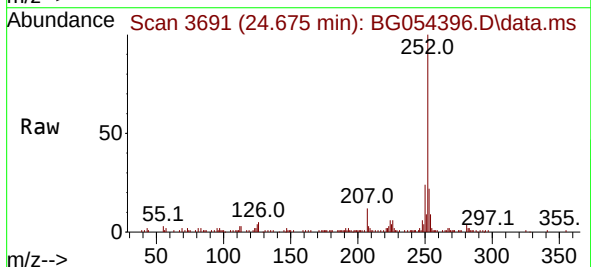
Tgt Ion:252 Resp: 90860

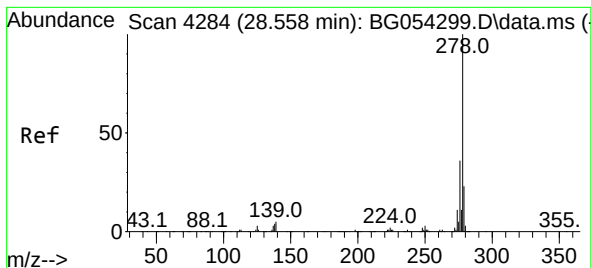
Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.8

125 4.4 4.3 6.5





#91

Dibenzo(a,h)anthracene

Concen: 2.776 ng

RT: 28.506 min Scan# 41

Delta R.T. -0.052 min

Lab File: BG054396.D

Acq: 26 Jul 2022 13:28

Instrument :

BNA_G

ClientSampleId :

S-2ND-TP

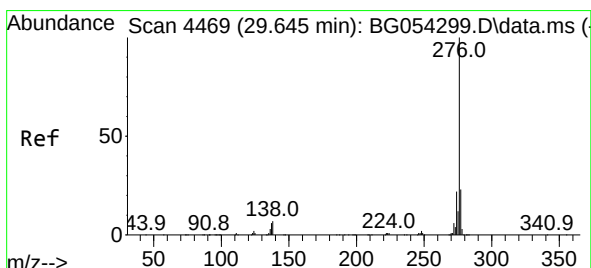
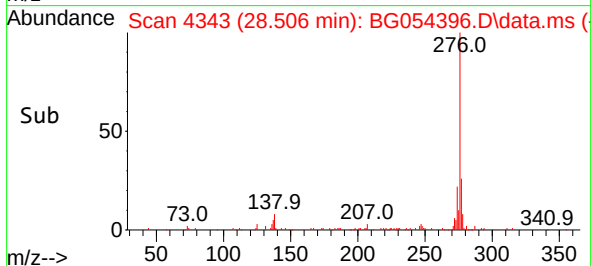
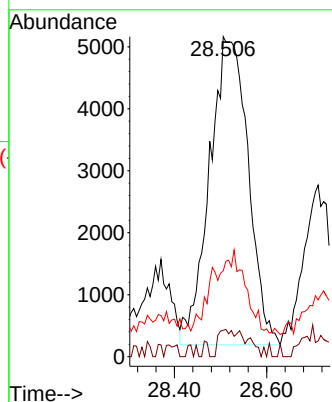
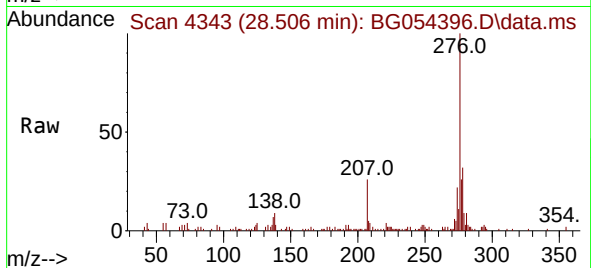
Tgt Ion:278 Resp: 28941

Ion Ratio Lower Upper

278 100

139 8.2 7.2 10.8

279 26.8 18.6 27.8



#92

Benzo(g,h,i)perylene

Concen: 8.632 ng

RT: 29.640 min Scan# 4536

Delta R.T. -0.005 min

Lab File: BG054396.D

Acq: 26 Jul 2022 13:28

Tgt Ion:276 Resp: 88815

Ion Ratio Lower Upper

276 100

277 24.7 17.3 25.9

138 9.8 9.6 14.4

