

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
 Data File : BG054397.D
 Acq On : 26 Jul 2022 14:09
 Operator : CG/JU
 Sample : N3836-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Quant Time: Jul 27 04:33:20 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)

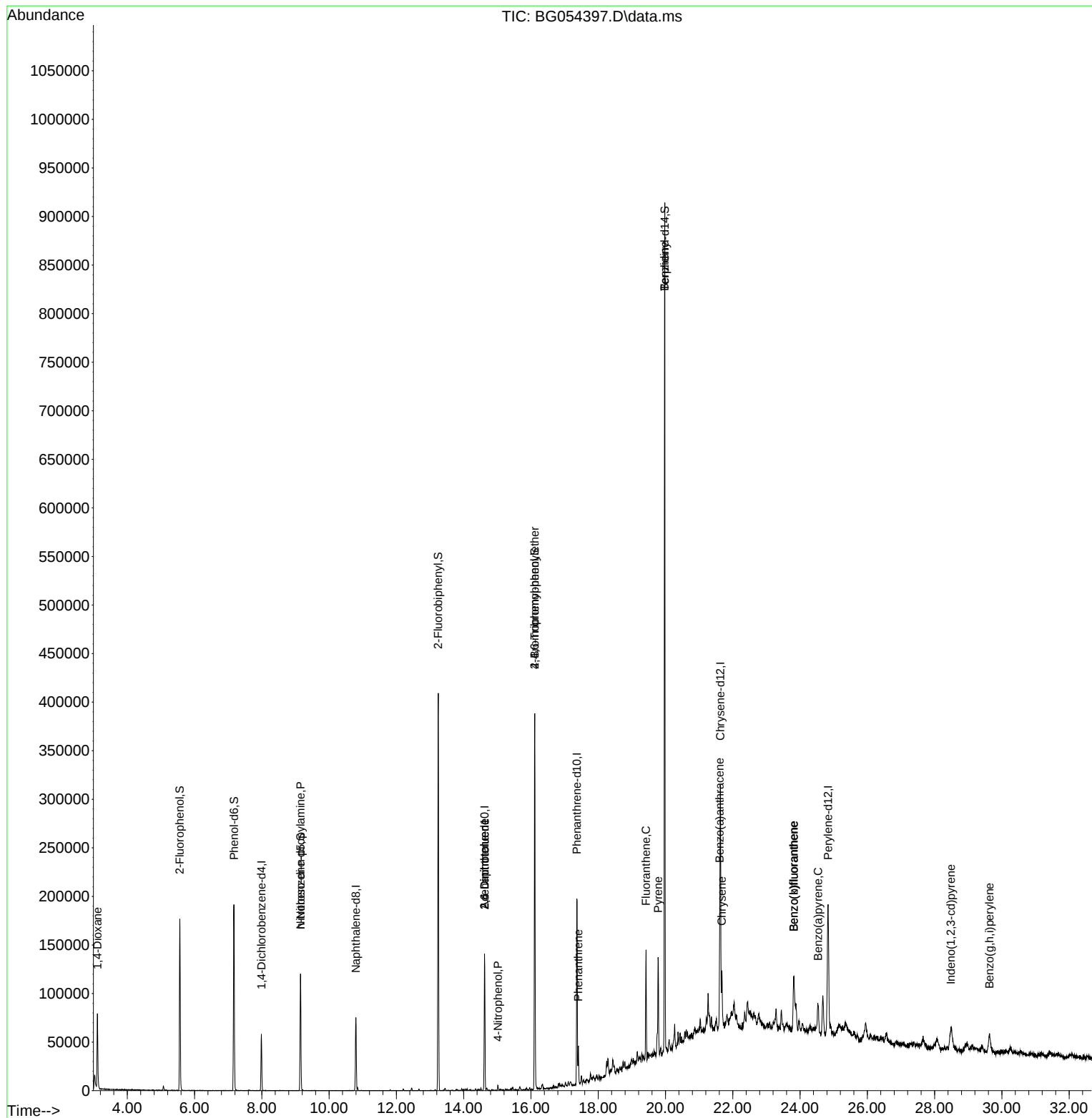
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.988	152	17615	20.000	ng	-0.01
21) Naphthalene-d8	10.796	136	68807	20.000	ng	#-0.01
39) Acenaphthene-d10	14.621	164	55491	20.000	ng	-0.01
64) Phenanthrene-d10	17.365	188	138173	20.000	ng	#-0.01
76) Chrysene-d12	21.631	240	154409	20.000	ng	#-0.01
86) Perylene-d12	24.833	264	161788	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.561	112	79472	94.197	ng	0.00
7) Phenol-d6	7.171	99	111154	96.150	ng	0.00
23) Nitrobenzene-d5	9.151	82	74985	59.347	ng	-0.01
42) 2,4,6-Tribromophenol	16.114	330	103293	88.656	ng	-0.01
45) 2-Fluorobiphenyl	13.246	172	240148	61.051	ng	-0.01
79) Terphenyl-d14	19.980	244	493121	63.355	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.111	88	810	2.413	ng	# 1
9) Benzaldehyde	7.177	77	74	Below Cal		# 10
19) n-Nitroso-di-n-propyla...	9.151	70	10497	13.597	ng	# 81
51) 2,6-Dinitrotoluene	14.621	165	7802	8.207	ng	# 16
56) 4-Nitrophenol	15.021	139	1168	2.202	ng	# 1
57) 2,4-Dinitrotoluene	14.621	165	7802	5.725	ng	# 21
67) 4-Bromophenyl-phenylether	16.114	248	6156	3.172	ng	# 1
71) Phenanthrene	17.412	178	27958	4.063	ng	98
75) Fluoranthene	19.421	202	75318	8.030	ng	94
77) Benzidine	19.974	184	6501	2.325	ng	# 91
78) Pyrene	19.780	202	73536	8.300	ng	97
81) Benzo(a)anthracene	21.613	228	48060	4.903	ng	95
83) Chrysene	21.678	228	46779	5.052	ng	95
87) Indeno(1,2,3-cd)pyrene	28.481	276	43842	3.562	ng	# 59
88) Benzo(b)fluoranthene	23.816	252	76710	8.017	ng	# 96
89) Benzo(k)fluoranthene	23.816	252	76710	8.056	ng	# 96
90) Benzo(a)pyrene	24.533	252	39025	4.776	ng	95
92) Benzo(g,h,i)perylene	29.633	276	41681	4.173	ng	# 92

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

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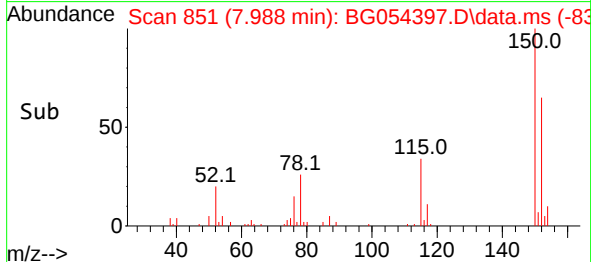
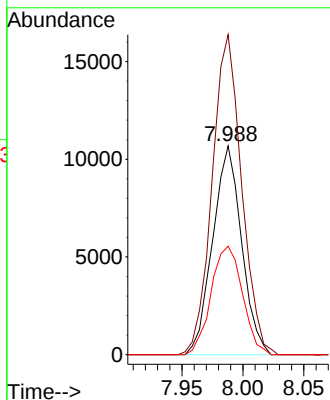
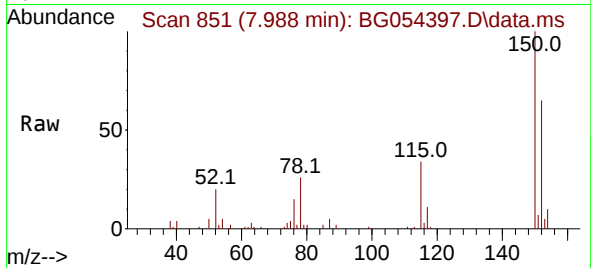




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.988 min Scan# 81
 Delta R.T. -0.012 min
 Lab File: BG054397.D
 Acq: 26 Jul 2022 14:09

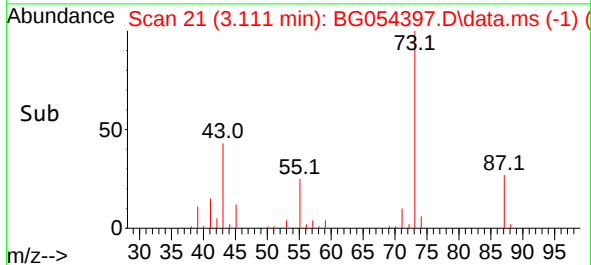
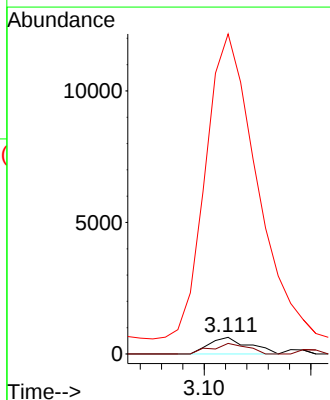
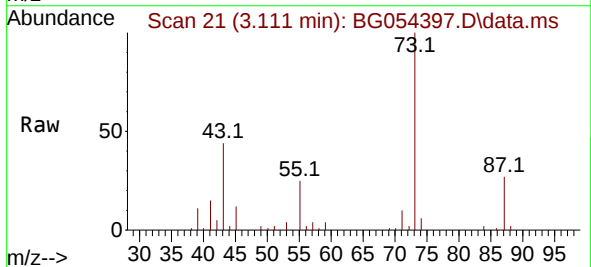
Instrument :
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 TP-1

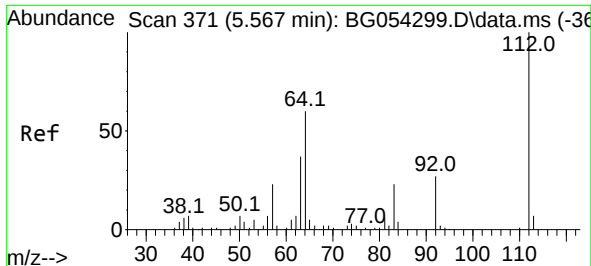
Tgt Ion:152 Resp: 17615
 Ion Ratio Lower Upper
 152 100
 150 153.2 131.6 197.4
 115 51.9 50.9 76.3



#2
 1,4-Dioxane
 Concen: 2.413 ng
 RT: 3.111 min Scan# 21
 Delta R.T. -0.318 min
 Lab File: BG054397.D
 Acq: 26 Jul 2022 14:09

Tgt Ion: 88 Resp: 810
 Ion Ratio Lower Upper
 88 100
 58 57.8 59.2 88.8#
 43 2593.6 24.3 36.5#

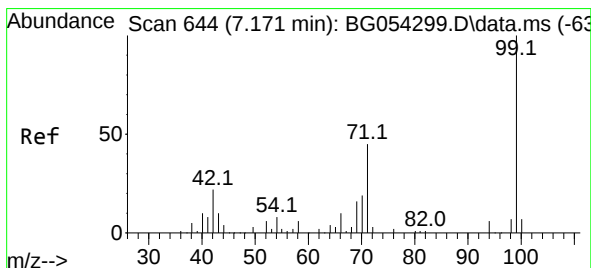
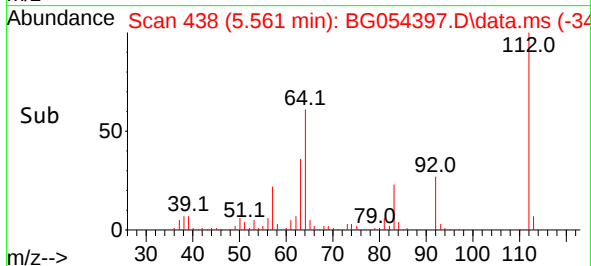
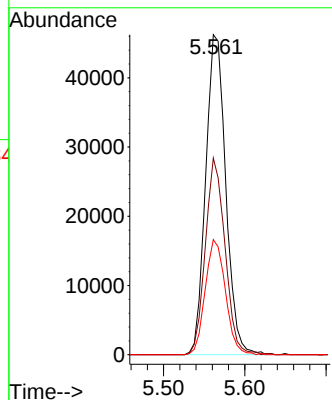
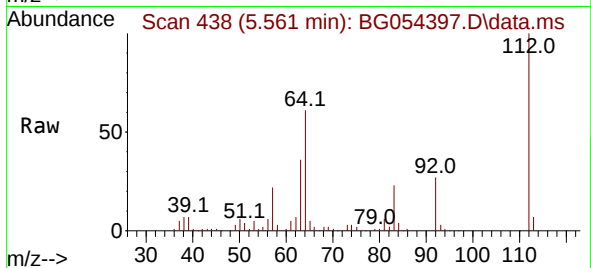




#5
2-Fluorophenol
Concen: 94.197 ng
RT: 5.561 min Scan# 41
Delta R.T. -0.006 min
Lab File: BG054397.D
Acq: 26 Jul 2022 14:09

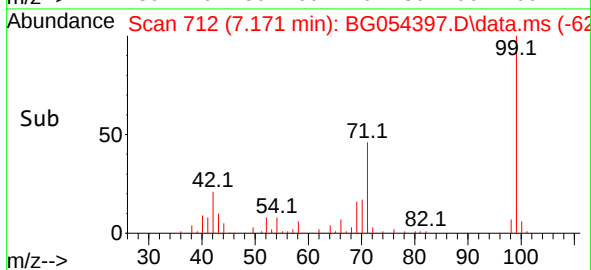
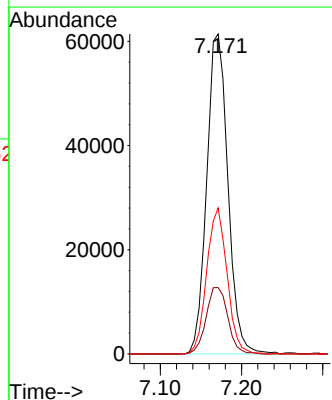
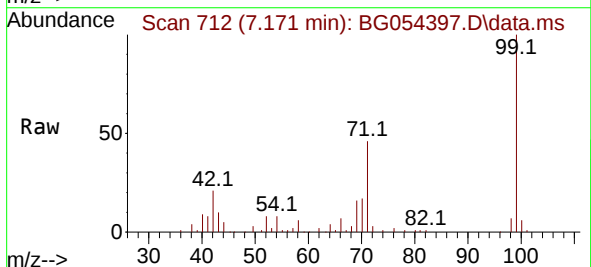
Instrument :
BNA_G
ClientSampleId :
TP-1

Tgt Ion:112 Resp: 79472
Ion Ratio Lower Upper
112 100
64 61.5 55.1 82.7
63 36.0 30.4 45.6



#7
Phenol-d6
Concen: 96.150 ng
RT: 7.171 min Scan# 712
Delta R.T. -0.000 min
Lab File: BG054397.D
Acq: 26 Jul 2022 14:09

Tgt Ion: 99 Resp: 111154
Ion Ratio Lower Upper
99 100
42 20.7 17.0 25.6
71 45.7 33.8 50.8

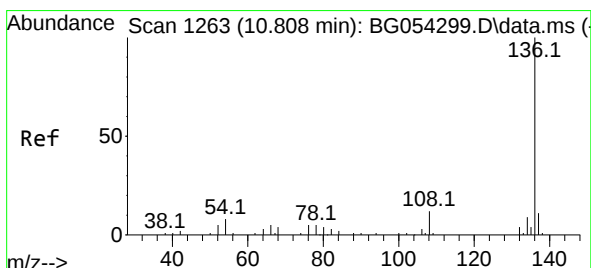
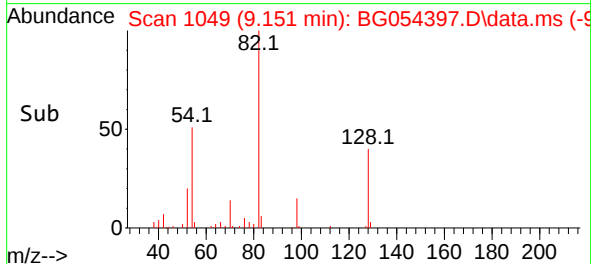
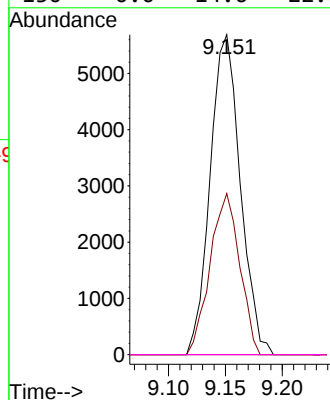
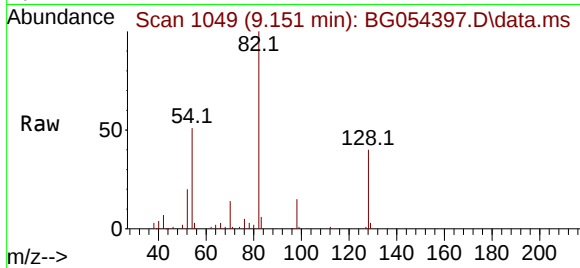




#19
n-Nitroso-di-n-propylamine
Concen: 13.597 ng
RT: 9.151 min Scan# 1049
Delta R.T. 0.346 min
Lab File: BG054397.D
Acq: 26 Jul 2022 14:09

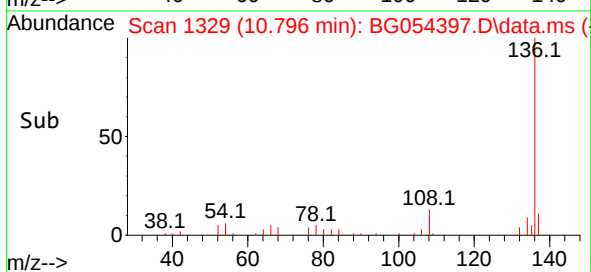
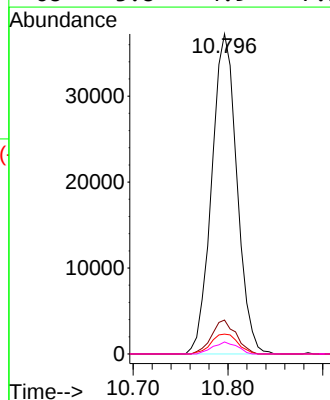
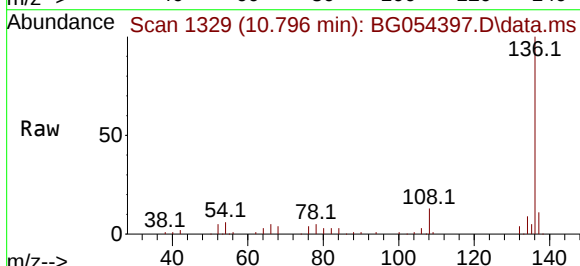
Instrument :
BNA_G
ClientSampleId :
TP-1

Tgt Ion:	70	Resp:	10497
Ion	Ratio	Lower	Upper
70	100		
42	50.3	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: 10.796 min Scan# 1329
Delta R.T. -0.012 min
Lab File: BG054397.D
Acq: 26 Jul 2022 14:09

Tgt Ion:	136	Resp:	68807
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	6.2	7.4	11.2#
68	3.8	4.9	7.3#

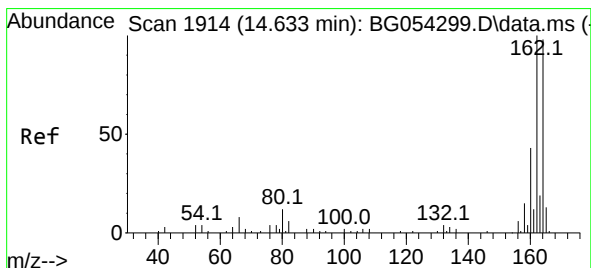
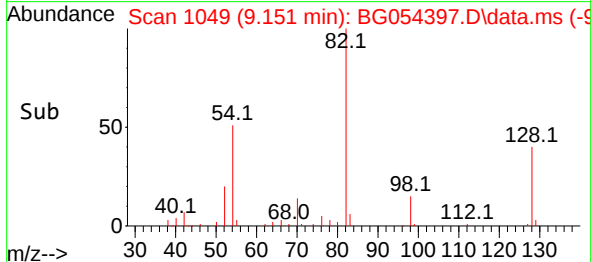
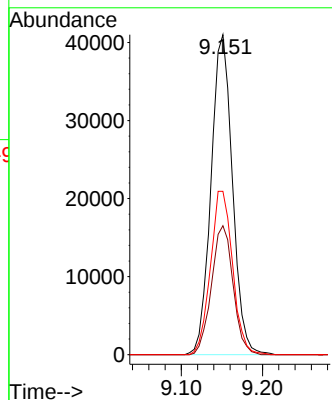
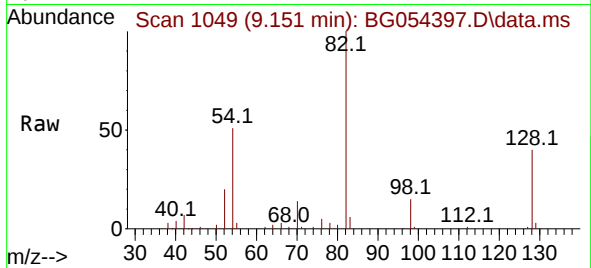




#23
Nitrobenzene-d5
Concen: 59.347 ng
RT: 9.151 min Scan# 1049
Delta R.T. -0.012 min
Lab File: BG054397.D
Acq: 26 Jul 2022 14:09

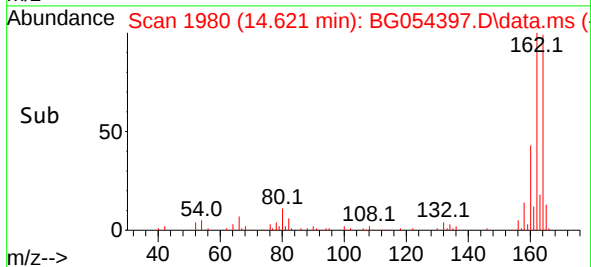
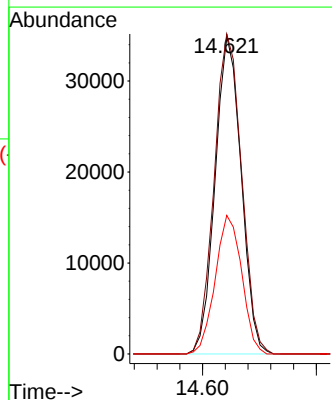
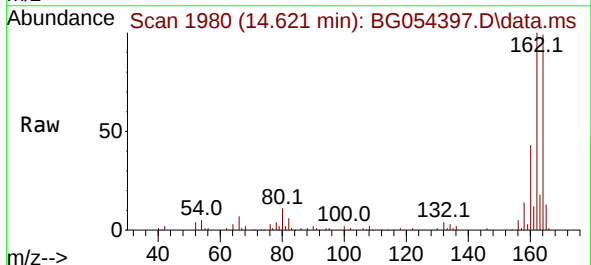
Instrument :
BNA_G
ClientSampleId :
TP-1

Tgt Ion: 82 Resp: 74985
Ion Ratio Lower Upper
82 100
128 40.3 27.9 41.9
54 51.1 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.621 min Scan# 1980
Delta R.T. -0.012 min
Lab File: BG054397.D
Acq: 26 Jul 2022 14:09

Tgt Ion: 164 Resp: 55491
Ion Ratio Lower Upper
164 100
162 100.5 82.3 123.5
160 43.5 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 88.656 ng

RT: 16.114 min Scan# 21

Delta R.T. -0.012 min

Lab File: BG054397.D

Acq: 26 Jul 2022 14:09

Instrument :

BNA_G

ClientSampleId :

TP-1

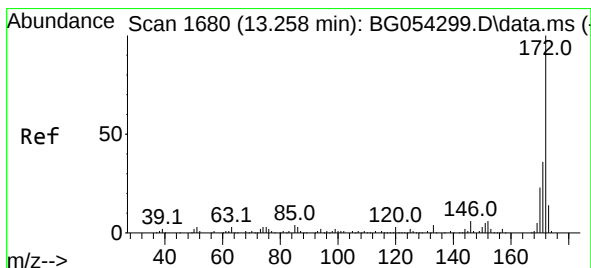
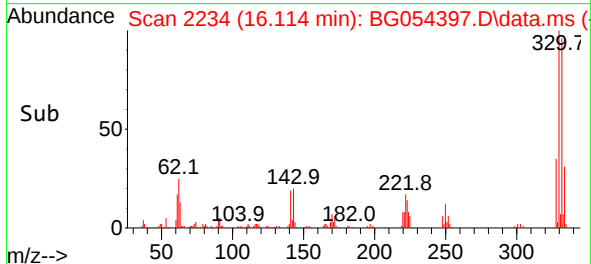
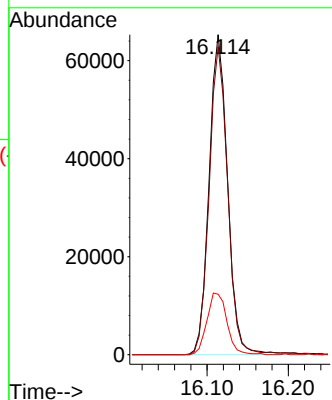
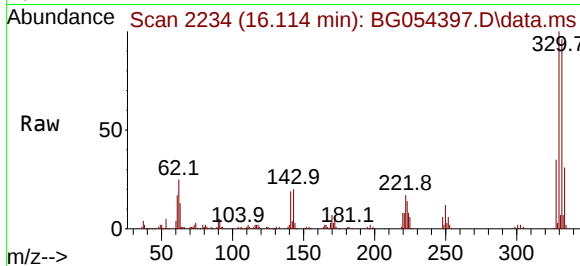
Tgt Ion:330 Resp: 103293

Ion Ratio Lower Upper

330 100

332 96.2 76.0 114.0

141 20.8 27.1 40.7#



#45

2-Fluorobiphenyl

Concen: 61.051 ng

RT: 13.246 min Scan# 1746

Delta R.T. -0.012 min

Lab File: BG054397.D

Acq: 26 Jul 2022 14:09

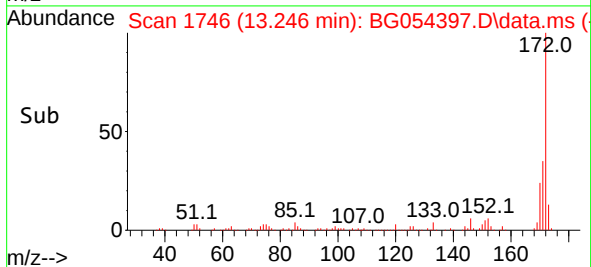
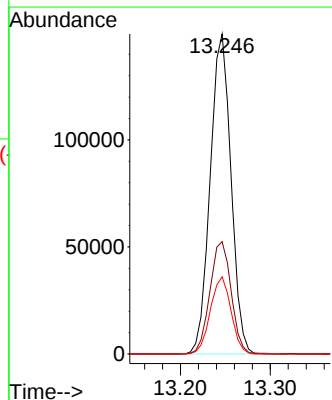
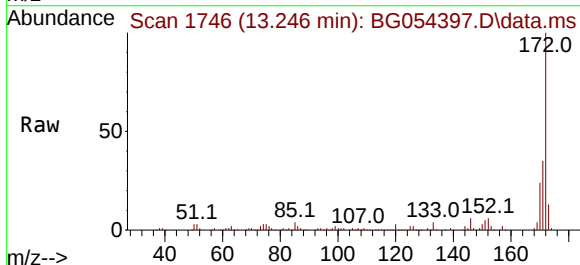
Tgt Ion:172 Resp: 240148

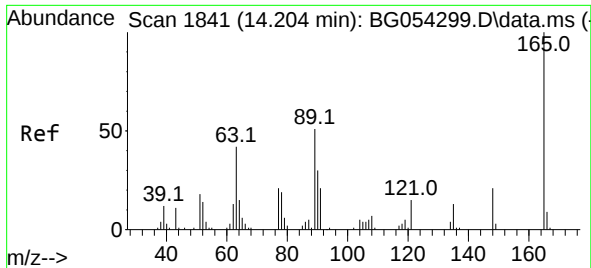
Ion Ratio Lower Upper

172 100

171 35.1 28.5 42.7

170 24.1 18.9 28.3

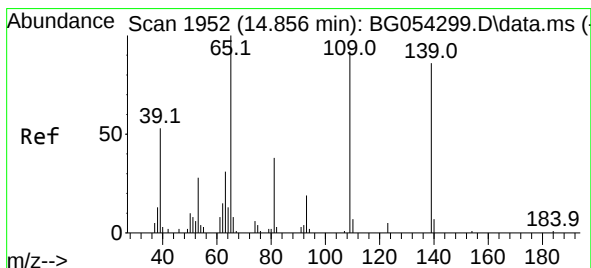
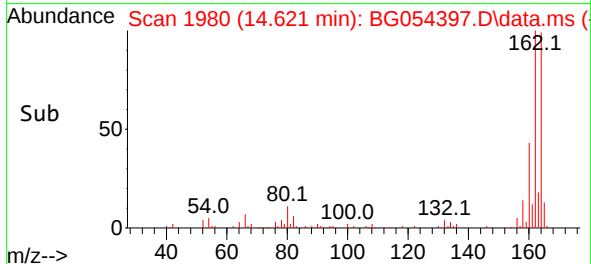
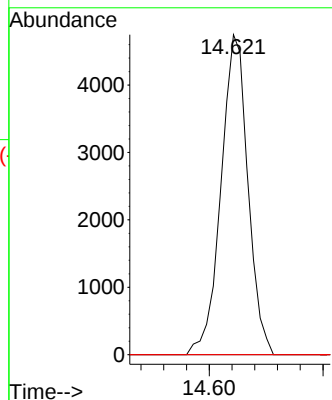
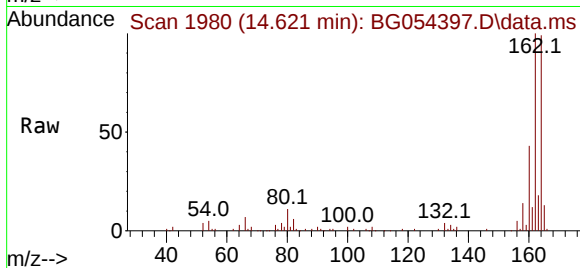




#51
2,6-Dinitrotoluene
Concen: 8.207 ng
RT: 14.621 min Scan# 11
Delta R.T. 0.417 min
Lab File: BG054397.D
Acq: 26 Jul 2022 14:09

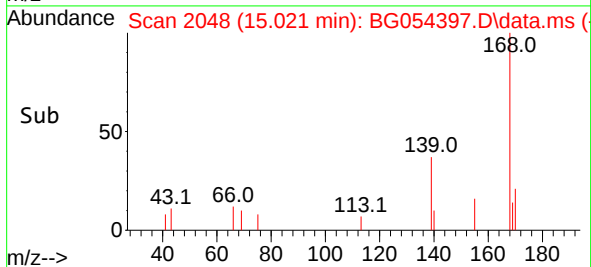
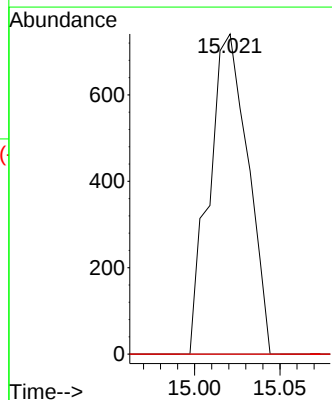
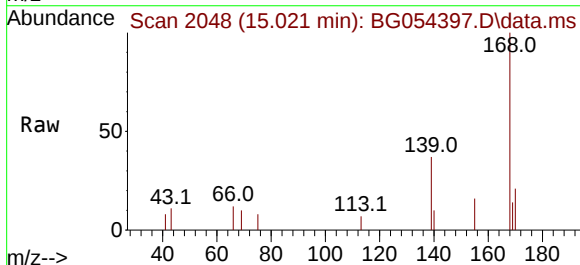
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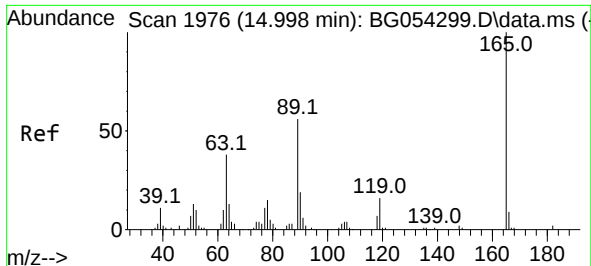
Tgt Ion:165 Resp: 7802
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#56
4-Nitrophenol
Concen: 2.202 ng
RT: 15.021 min Scan# 2048
Delta R.T. 0.165 min
Lab File: BG054397.D
Acq: 26 Jul 2022 14:09

Tgt Ion:139 Resp: 1168
Ion Ratio Lower Upper
139 100
109 0.0 88.5 128.5#
65 0.0 93.9 133.9#

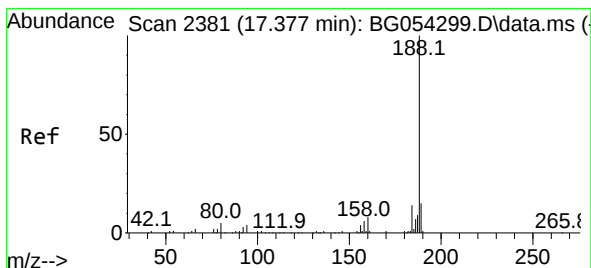
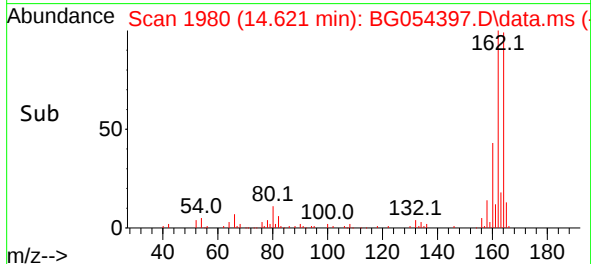
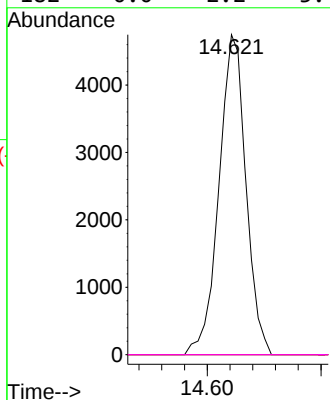
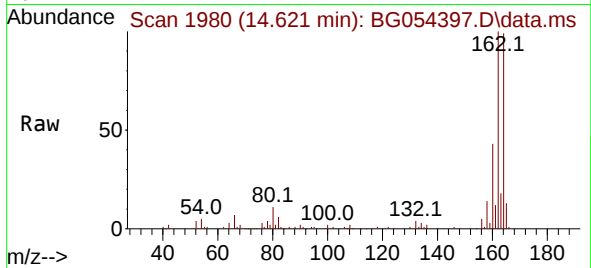




#57
2,4-Dinitrotoluene
Concen: 5.725 ng
RT: 14.621 min Scan# 14
Delta R.T. -0.376 min
Lab File: BG054397.D
Acq: 26 Jul 2022 14:09

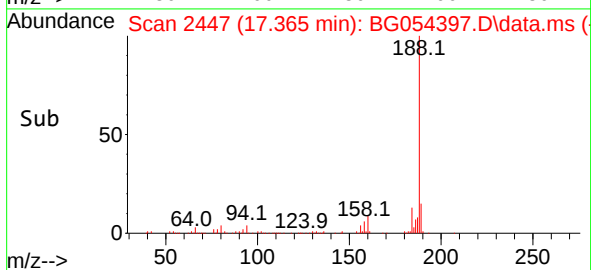
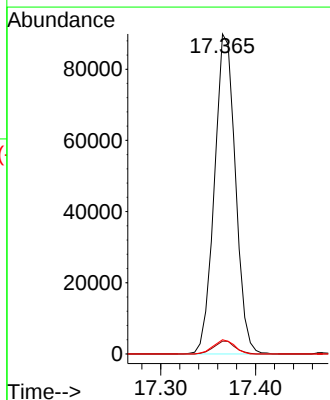
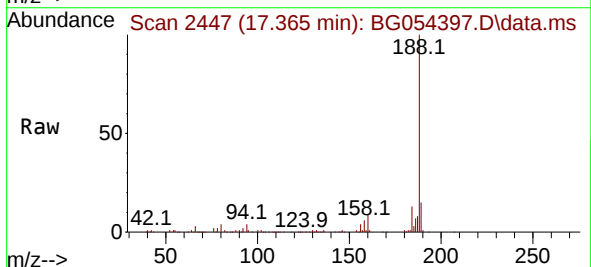
Instrument :
BNA_G
ClientSampleId :
TP-1

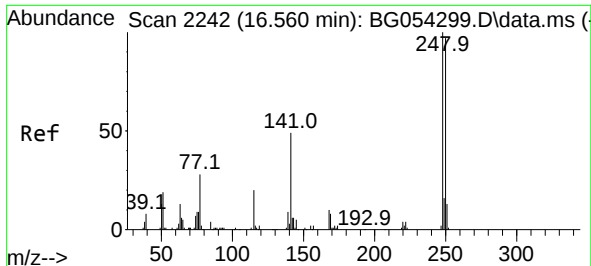
Tgt Ion:165 Resp: 7802
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 0.0 60.3 90.5#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.365 min Scan# 2447
Delta R.T. -0.012 min
Lab File: BG054397.D
Acq: 26 Jul 2022 14:09

Tgt Ion:188 Resp: 138173
Ion Ratio Lower Upper
188 100
94 4.0 5.4 8.0#
80 4.5 6.8 10.2#

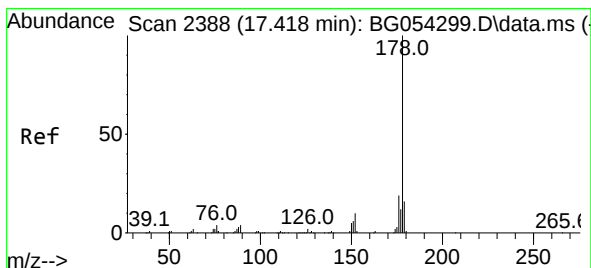
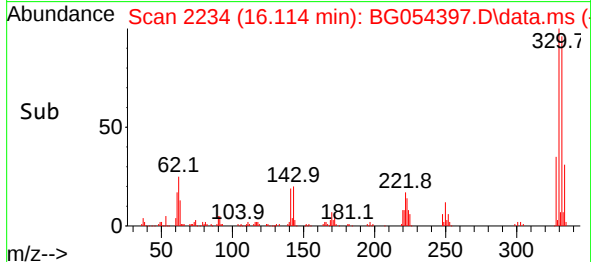
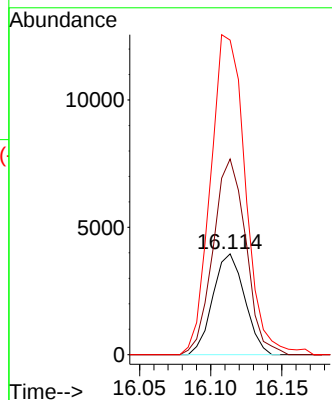
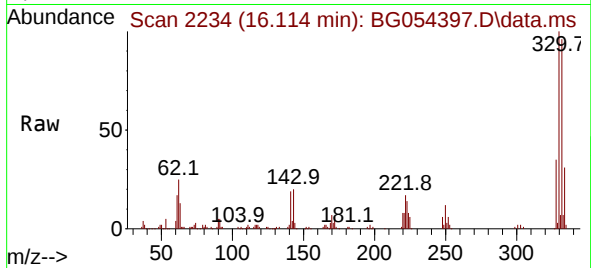




#67
4-Bromophenyl-phenylether
Concen: 3.172 ng
RT: 16.114 min Scan# 21
Delta R.T. -0.447 min
Lab File: BG054397.D
Acq: 26 Jul 2022 14:09

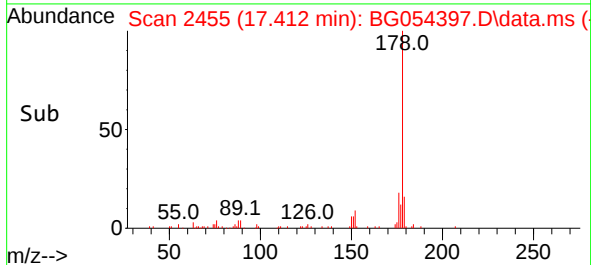
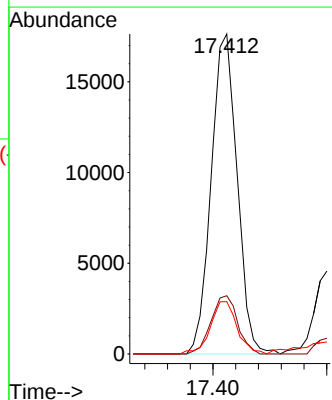
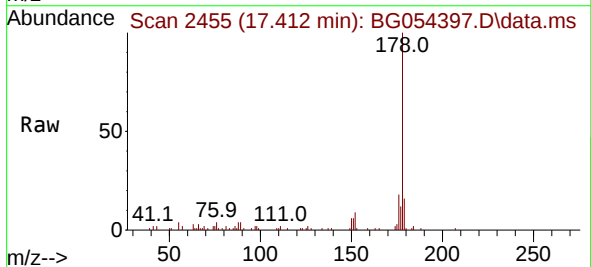
Instrument :
BNA_G
ClientSampleId :
TP-1

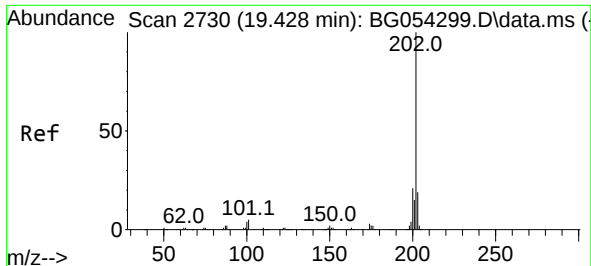
Tgt Ion:248 Resp: 6156
Ion Ratio Lower Upper
248 100
250 147.7 75.2 112.8#
141 237.4 50.0 75.0#



#71
Phenanthrene
Concen: 4.063 ng
RT: 17.412 min Scan# 2455
Delta R.T. -0.006 min
Lab File: BG054397.D
Acq: 26 Jul 2022 14:09

Tgt Ion:178 Resp: 27958
Ion Ratio Lower Upper
178 100
176 18.2 14.1 21.1
179 16.3 12.1 18.1

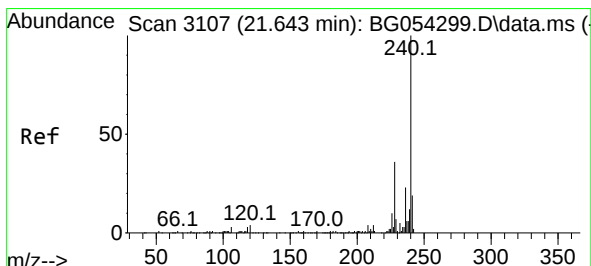
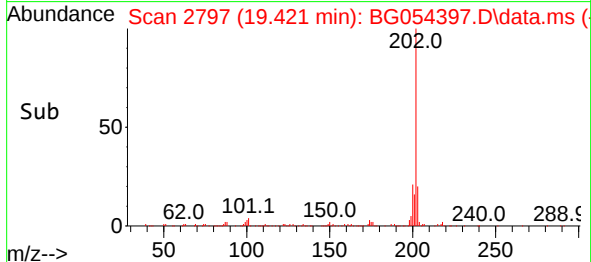
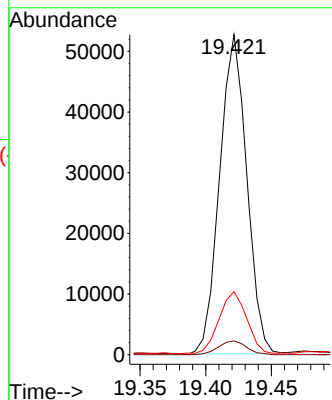
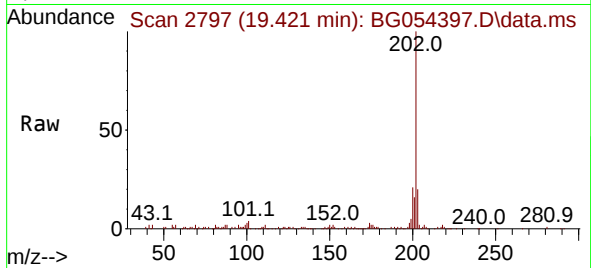




#75
Fluoranthene
Concen: 8.030 ng
RT: 19.421 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG054397.D
Acq: 26 Jul 2022 14:09

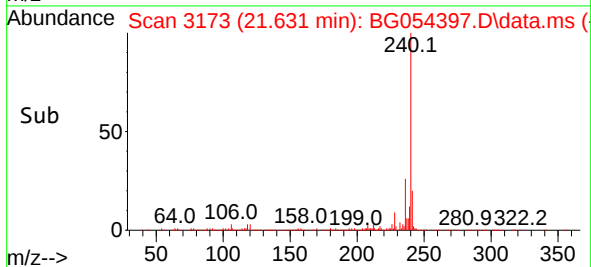
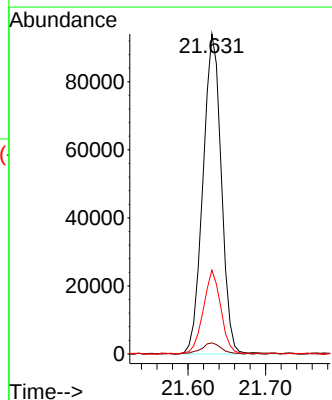
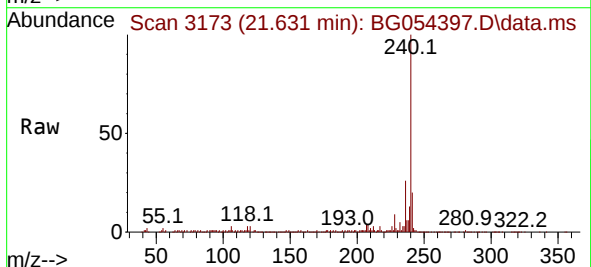
Instrument :
BNA_G
ClientSampleId :
TP-1

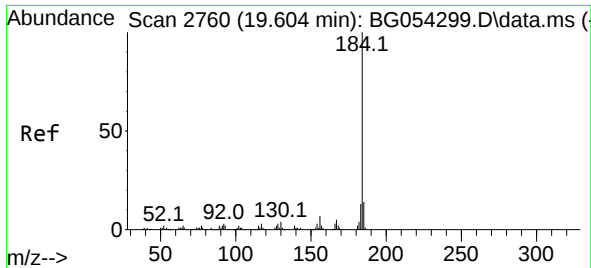
Tgt Ion:202 Resp: 75318
Ion Ratio Lower Upper
202 100
101 4.3 0.0 26.9
203 19.7 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.631 min Scan# 3173
Delta R.T. -0.012 min
Lab File: BG054397.D
Acq: 26 Jul 2022 14:09

Tgt Ion:240 Resp: 154409
Ion Ratio Lower Upper
240 100
120 3.5 4.6 7.0#
236 26.2 20.2 30.4

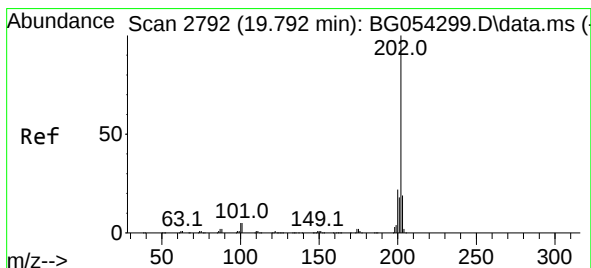
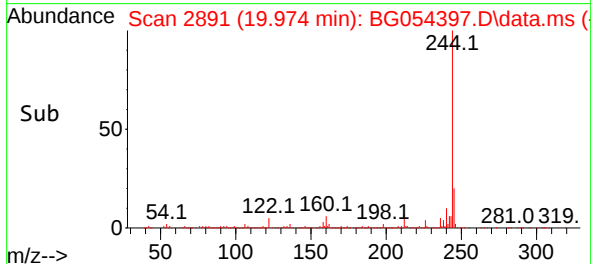
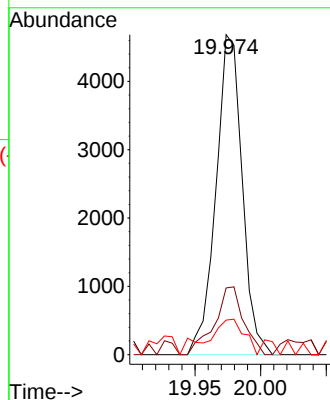
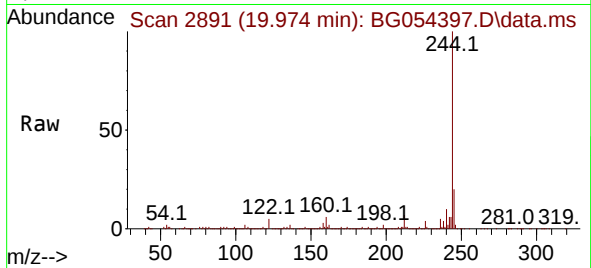




#77
Benzidine
Concen: 2.325 ng
RT: 19.974 min Scan# 2891
Delta R.T. 0.370 min
Lab File: BG054397.D
Acq: 26 Jul 2022 14:09

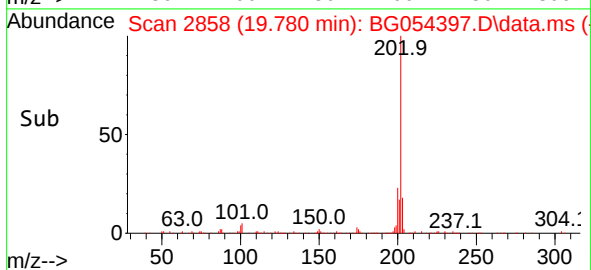
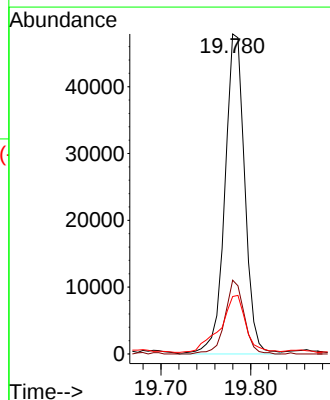
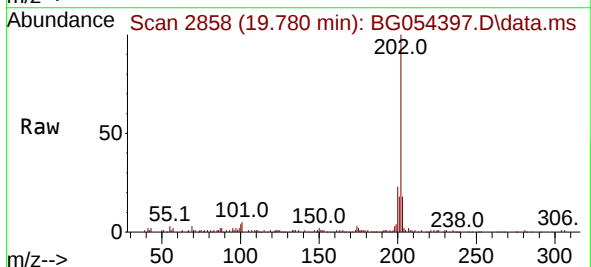
Instrument :
BNA_G
ClientSampleId :
TP-1

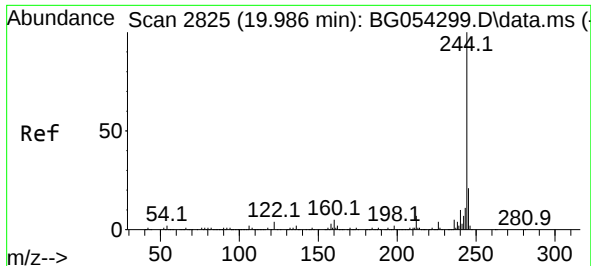
Tgt Ion:184 Resp: 6501
Ion Ratio Lower Upper
184 100
185 20.8 11.8 17.6#
183 10.8 8.9 13.3



#78
Pyrene
Concen: 8.300 ng
RT: 19.780 min Scan# 2858
Delta R.T. -0.012 min
Lab File: BG054397.D
Acq: 26 Jul 2022 14:09

Tgt Ion:202 Resp: 73536
Ion Ratio Lower Upper
202 100
200 23.0 16.6 24.8
203 18.0 14.6 21.8

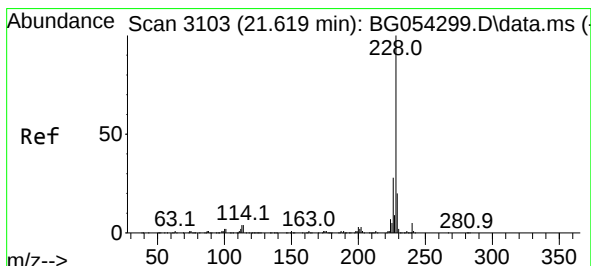
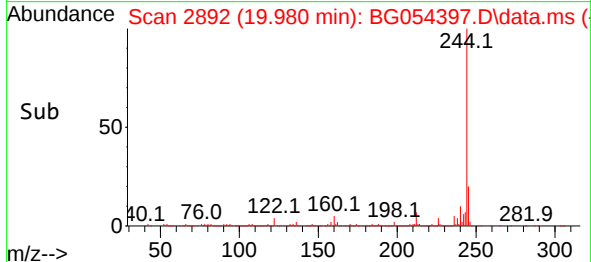
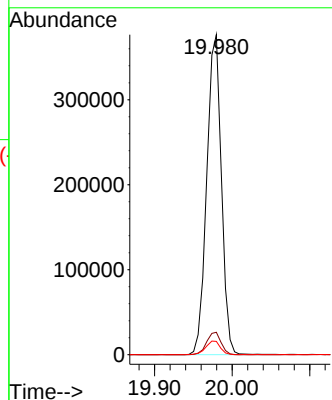
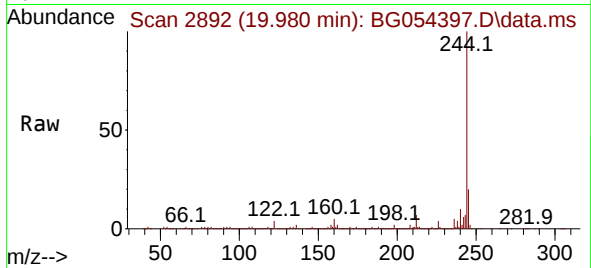




#79
 Terphenyl-d14
 Concen: 63.355 ng
 RT: 19.980 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG054397.D
 Acq: 26 Jul 2022 14:09

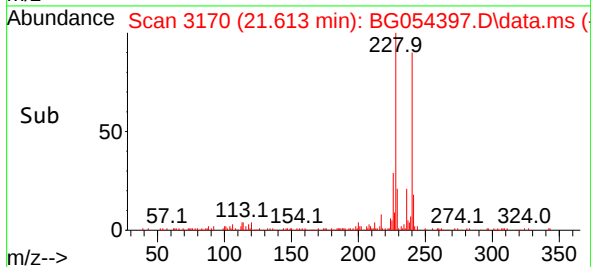
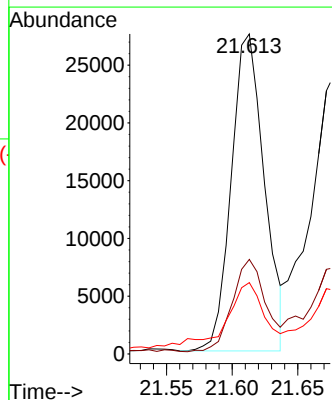
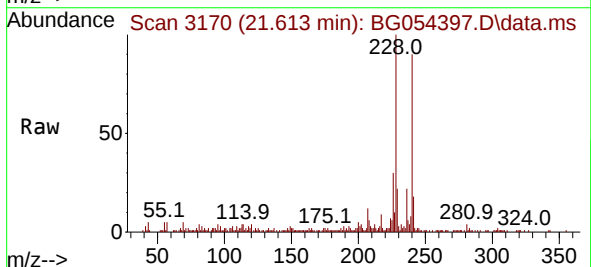
Instrument :
 BNA_G
 ClientSampleId :
 TP-1

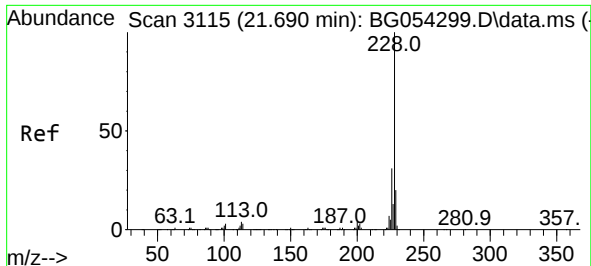
Tgt Ion:244 Resp: 493121
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.5 9.7
 122 4.2 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 4.903 ng
 RT: 21.613 min Scan# 3170
 Delta R.T. -0.006 min
 Lab File: BG054397.D
 Acq: 26 Jul 2022 14:09

Tgt Ion:228 Resp: 48060
 Ion Ratio Lower Upper
 228 100
 226 29.6 21.6 32.4
 229 22.3 16.2 24.2

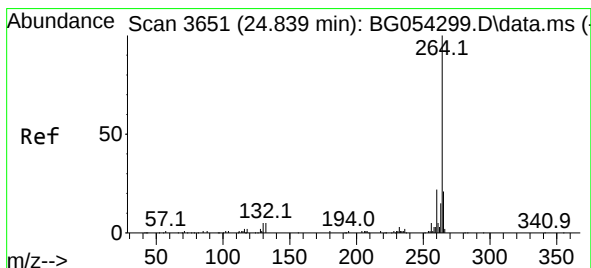
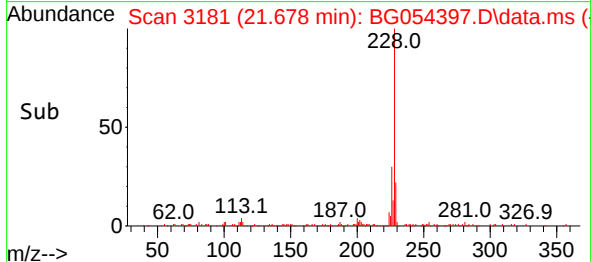
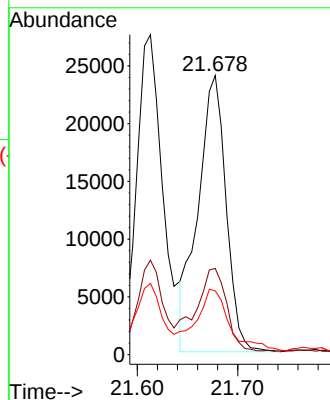
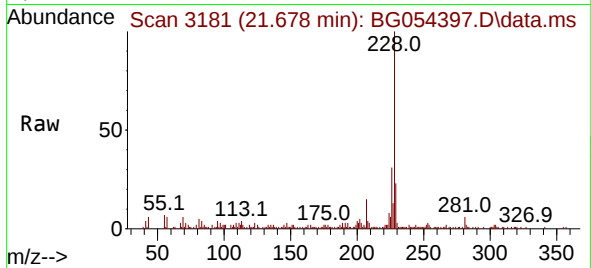




#83
Chrysene
Concen: 5.052 ng
RT: 21.678 min Scan# 3115
Delta R.T. -0.012 min
Lab File: BG054397.D
Acq: 26 Jul 2022 14:09

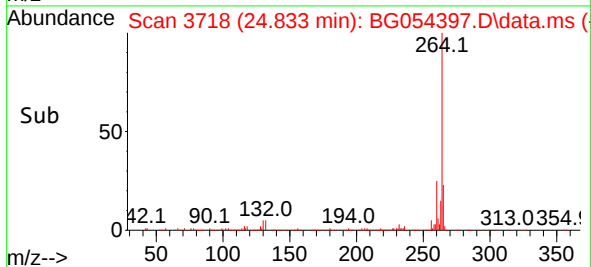
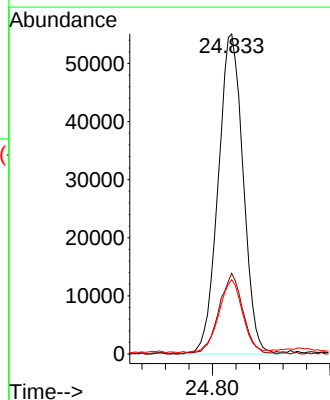
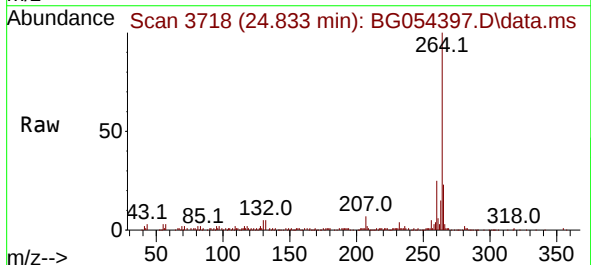
Instrument :
BNA_G
ClientSampleId :
TP-1

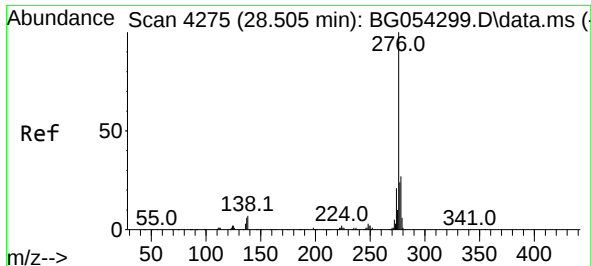
Tgt Ion:228 Resp: 46779
Ion Ratio Lower Upper
228 100
226 30.9 23.4 35.2
229 22.9 15.5 23.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.833 min Scan# 3718
Delta R.T. -0.006 min
Lab File: BG054397.D
Acq: 26 Jul 2022 14:09

Tgt Ion:264 Resp: 161788
Ion Ratio Lower Upper
264 100
260 25.2 19.0 28.6
265 23.2 17.4 26.2

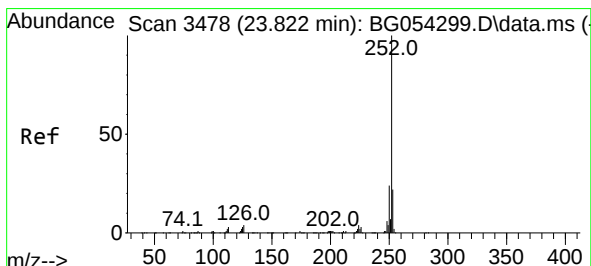
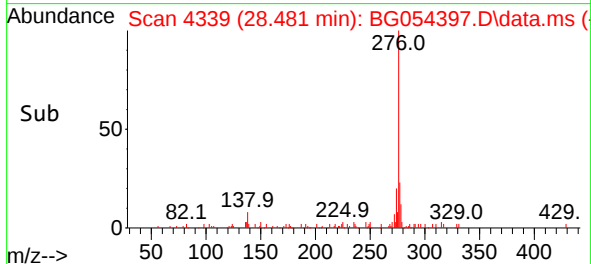
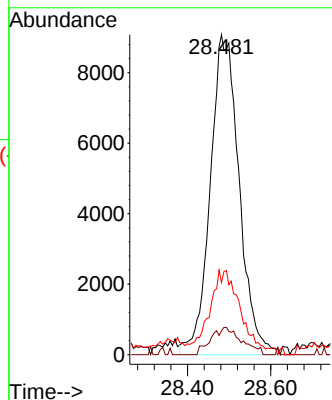
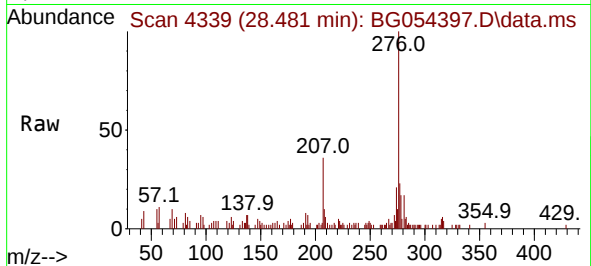




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.562 ng
 RT: 28.481 min Scan# 41
 Delta R.T. -0.024 min
 Lab File: BG054397.D
 Acq: 26 Jul 2022 14:09

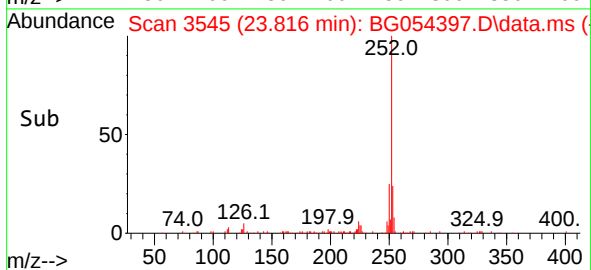
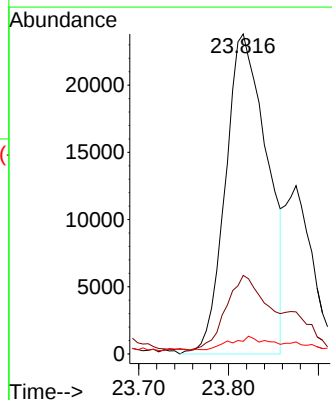
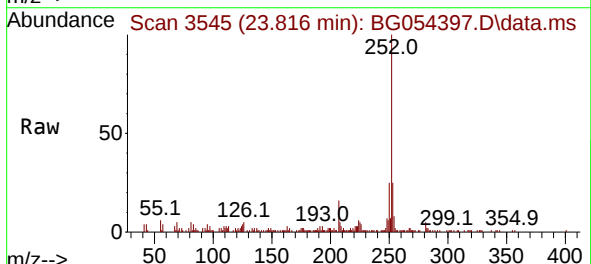
Instrument :
 BNA_G
 ClientSampleId :
 TP-1

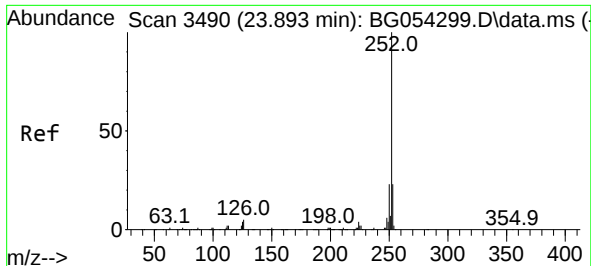
Tgt Ion:276 Resp: 43842
 Ion Ratio Lower Upper
 276 100
 138 6.0 5.0 7.4
 277 0.0 20.3 30.5#



#88
 Benzo(b)fluoranthene
 Concen: 8.017 ng
 RT: 23.816 min Scan# 3545
 Delta R.T. -0.006 min
 Lab File: BG054397.D
 Acq: 26 Jul 2022 14:09

Tgt Ion:252 Resp: 76710
 Ion Ratio Lower Upper
 252 100
 253 24.5 18.0 27.0
 125 4.0 4.6 6.8#

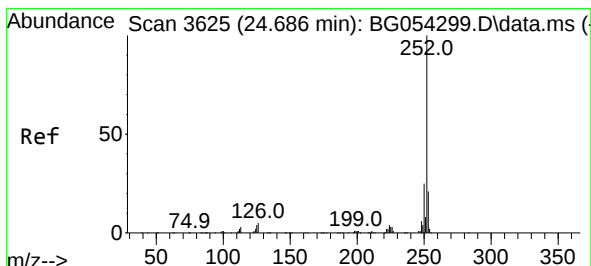
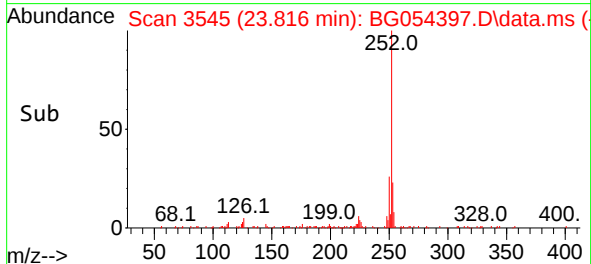
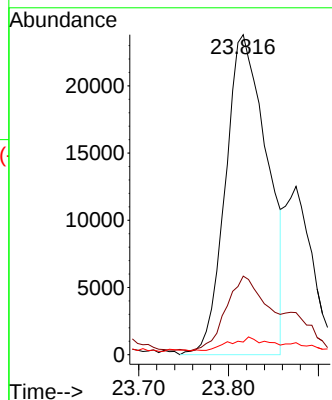
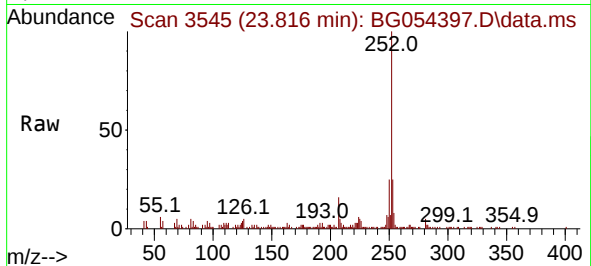




#89
Benzo(k)fluoranthene
Concen: 8.056 ng
RT: 23.816 min Scan# 31
Delta R.T. -0.077 min
Lab File: BG054397.D
Acq: 26 Jul 2022 14:09

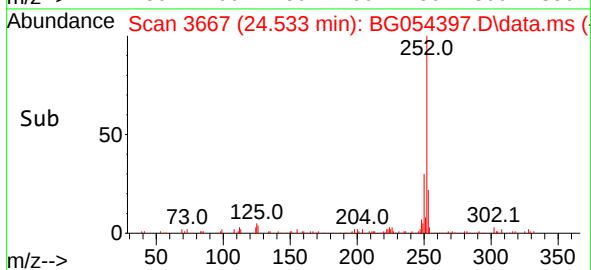
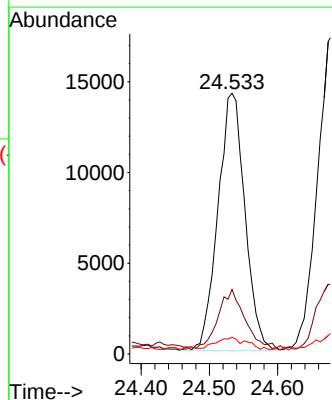
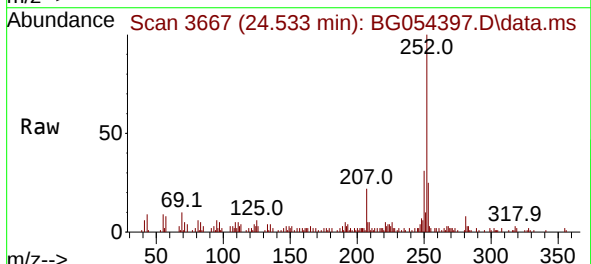
Instrument :
BNA_G
ClientSampleId :
TP-1

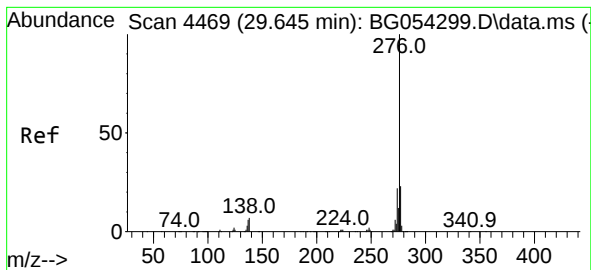
Tgt Ion:252 Resp: 76710
Ion Ratio Lower Upper
252 100
253 24.5 18.4 27.6
125 4.0 4.8 7.2#



#90
Benzo(a)pyrene
Concen: 4.776 ng
RT: 24.533 min Scan# 3667
Delta R.T. -0.153 min
Lab File: BG054397.D
Acq: 26 Jul 2022 14:09

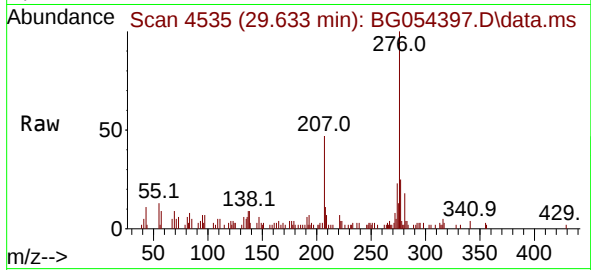
Tgt Ion:252 Resp: 39025
Ion Ratio Lower Upper
252 100
253 24.7 17.8 26.8
125 6.4 4.3 6.5





#92
 Benzo(g,h,i)perylene
 Concen: 4.173 ng
 RT: 29.633 min Scan# 41
 Delta R.T. -0.012 min
 Lab File: BG054397.D
 Acq: 26 Jul 2022 14:09

Instrument :
 BNA_G
 ClientSampleId :
 TP-1



Tgt Ion:276 Resp: 41681
 Ion Ratio Lower Upper
 276 100
 277 25.5 17.3 25.9
 138 8.8 9.6 14.4#

