

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072522\
 Data File : BG054386.D
 Acq On : 25 Jul 2022 19:25
 Operator : CG/JU
 Sample : N3833-01RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-072122RE

Quant Time: Jul 26 00:55:38 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)

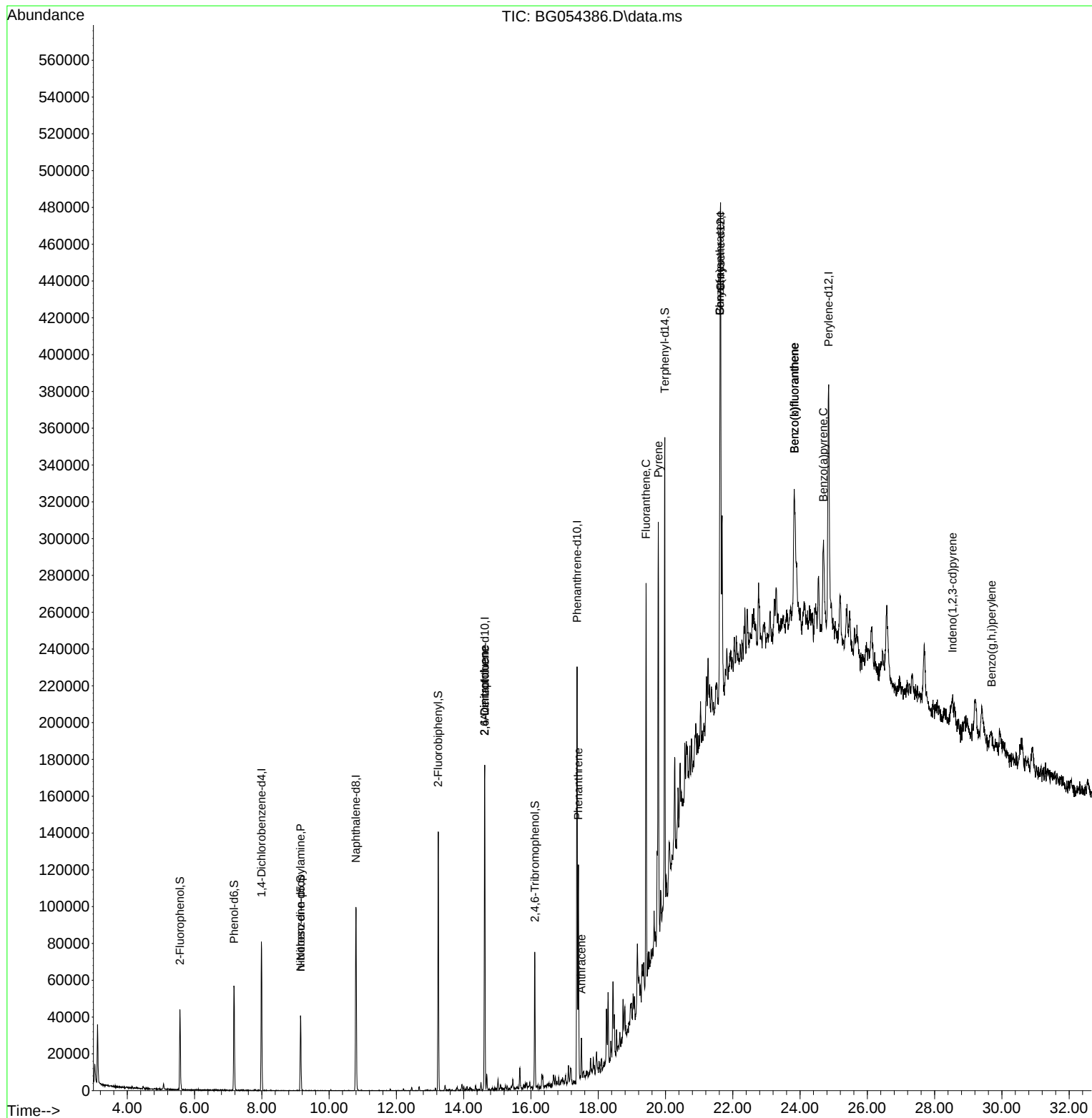
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.988	152	25566	20.000	ng	-0.01
21) Naphthalene-d8	10.796	136	92258	20.000	ng	#-0.01
39) Acenaphthene-d10	14.627	164	67661	20.000	ng	0.00
64) Phenanthrene-d10	17.371	188	159093	20.000	ng	# 0.00
76) Chrysene-d12	21.636	240	176299	20.000	ng	# 0.00
86) Perylene-d12	24.844	264	170652	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.567	112	21411	17.486	ng	0.00
7) Phenol-d6	7.177	99	34026	20.279	ng	0.00
23) Nitrobenzene-d5	9.151	82	25832	15.248	ng	-0.01
42) 2,4,6-Tribromophenol	16.119	330	19925	14.025	ng	0.00
45) 2-Fluorobiphenyl	13.246	172	79254	16.524	ng	-0.01
79) Terphenyl-d14	19.980	244	145197	16.338	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.151	70	3563	3.180	ng	# 80
51) 2,6-Dinitrotoluene	14.621	165	9386	8.097	ng	# 16
57) 2,4-Dinitrotoluene	14.621	165	9386	5.648	ng	# 21
71) Phenanthrene	17.412	178	80966	10.219	ng	99
72) Anthracene	17.500	178	17842	2.295	ng	98
75) Fluoranthene	19.421	202	152645	14.134	ng	96
78) Pyrene	19.786	202	155408	15.363	ng	99
81) Benzo(a)anthracene	21.619	228	78925	7.052	ng	96
83) Chrysene	21.619	228	78925	7.465	ng	96
87) Indeno(1,2,3-cd)pyrene	28.534	276	28386	2.187	ng	# 86
88) Benzo(b)fluoranthene	23.834	252	90301	8.948	ng	# 80
89) Benzo(k)fluoranthene	23.834	252	90301	8.991	ng	# 81
90) Benzo(a)pyrene	24.692	252	64878	7.528	ng	# 93
92) Benzo(g,h,i)perylene	29.692	276	25306	2.402	ng	# 85

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

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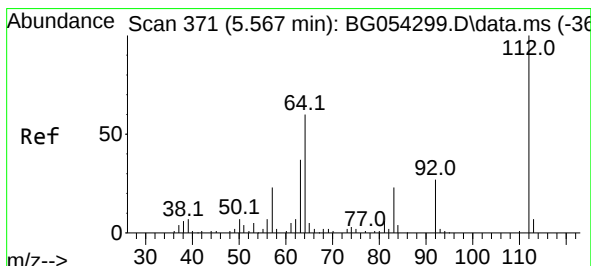
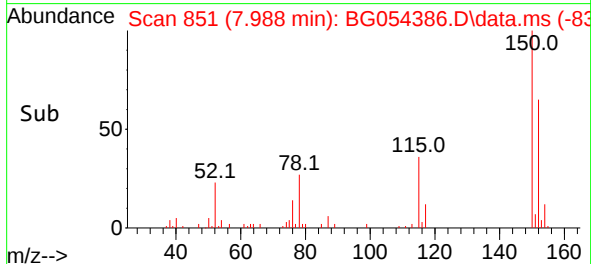
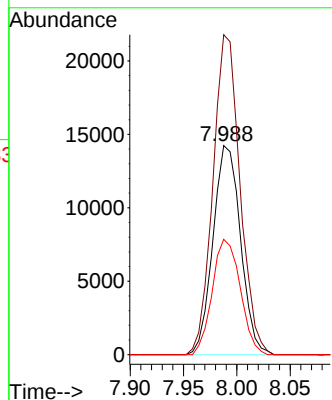
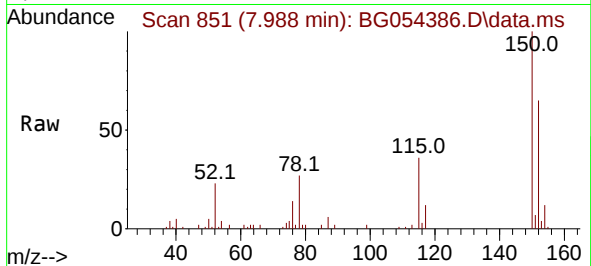




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.988 min Scan# 81
Delta R.T. -0.012 min
Lab File: BG054386.D
Acq: 25 Jul 2022 19:25

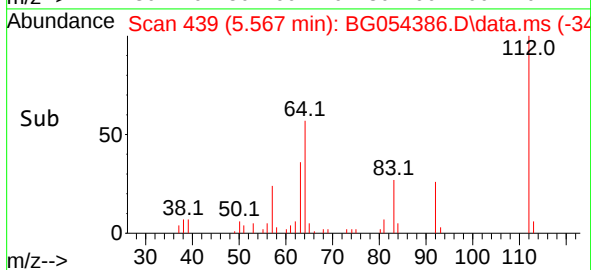
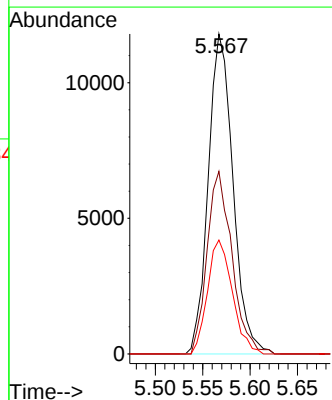
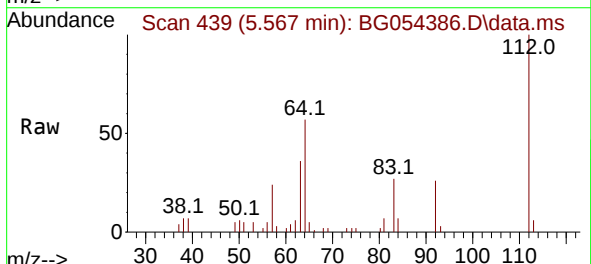
Instrument :
BNA_G
ClientSampleId :
OR-03-072122RE

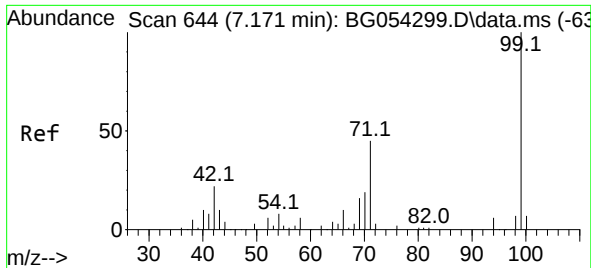
Tgt Ion:152 Resp: 25566
Ion Ratio Lower Upper
152 100
150 153.1 131.6 197.4
115 55.2 50.9 76.3



#5
2-Fluorophenol
Concen: 17.486 ng
RT: 5.567 min Scan# 439
Delta R.T. -0.000 min
Lab File: BG054386.D
Acq: 25 Jul 2022 19:25

Tgt Ion:112 Resp: 21411
Ion Ratio Lower Upper
112 100
64 57.0 55.1 82.7
63 35.6 30.4 45.6

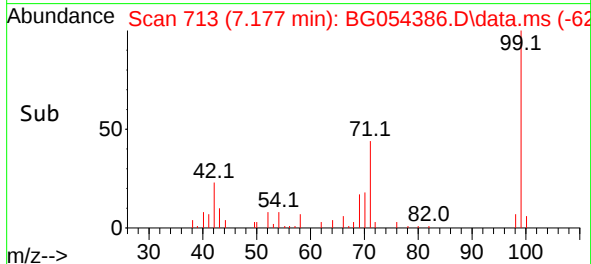
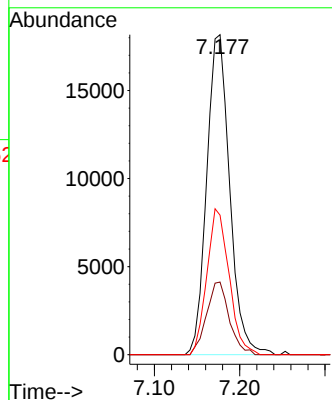
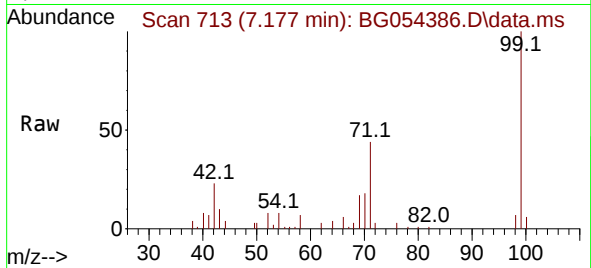




#7
Phenol-d6
Concen: 20.279 ng
RT: 7.177 min Scan# 71
Delta R.T. 0.006 min
Lab File: BG054386.D
Acq: 25 Jul 2022 19:25

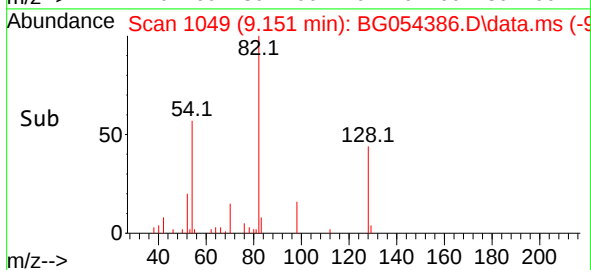
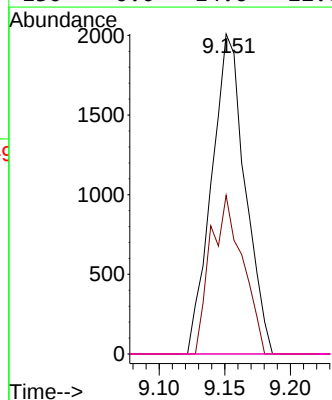
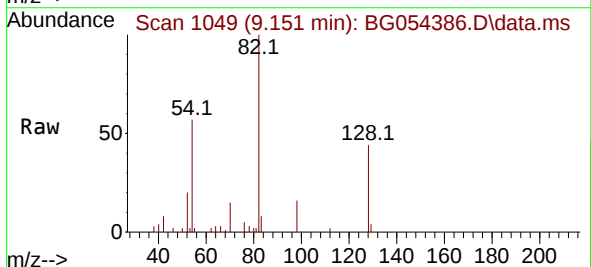
Instrument :
BNA_G
ClientSampleId :
OR-03-072122RE

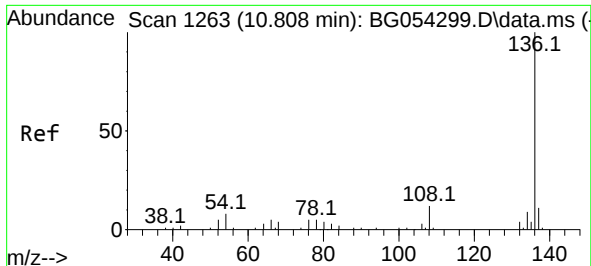
Tgt Ion: 99 Resp: 34026
Ion Ratio Lower Upper
99 100
42 22.7 17.0 25.6
71 43.6 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 3.180 ng
RT: 9.151 min Scan# 1049
Delta R.T. 0.346 min
Lab File: BG054386.D
Acq: 25 Jul 2022 19:25

Tgt Ion: 70 Resp: 3563
Ion Ratio Lower Upper
70 100
42 49.6 47.3 70.9
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#

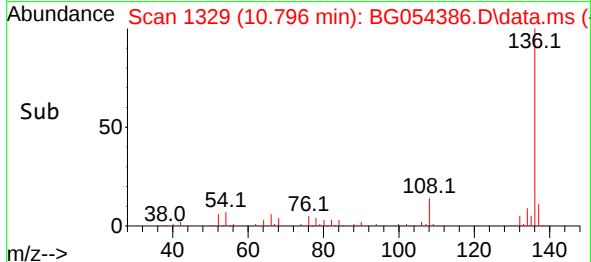
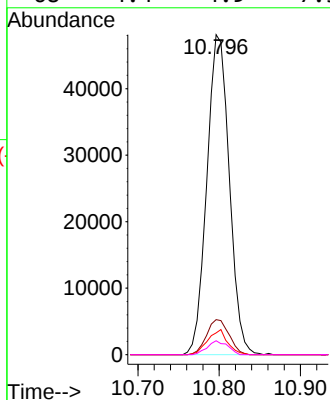
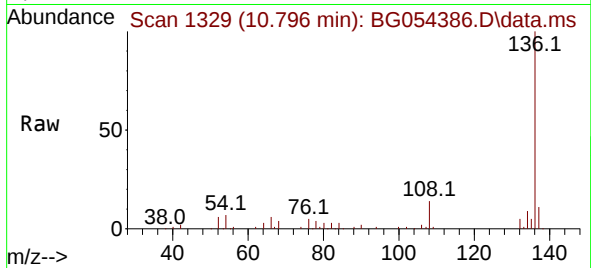




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.796 min Scan# 11
Delta R.T. -0.012 min
Lab File: BG054386.D
Acq: 25 Jul 2022 19:25

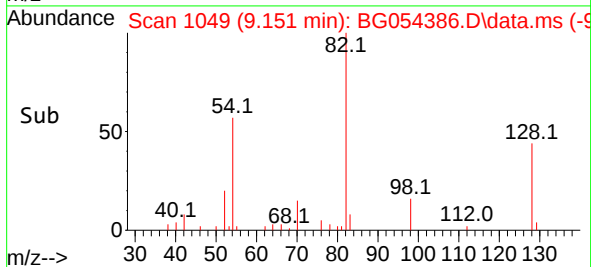
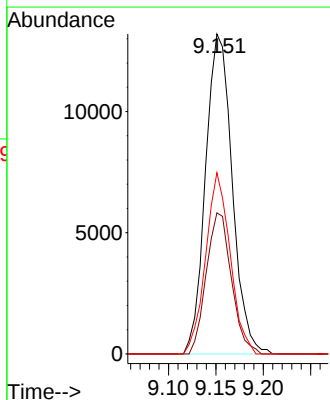
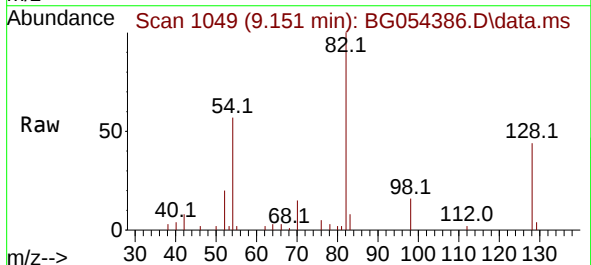
Instrument :
BNA_G
ClientSampleId :
OR-03-072122RE

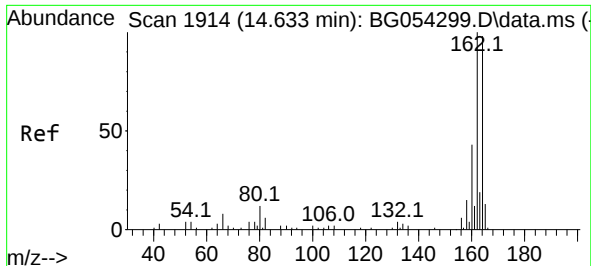
Tgt Ion:	136	Resp:	92258
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.5	12.7
54	6.8	7.4	11.2#
68	4.4	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 15.248 ng
RT: 9.151 min Scan# 1049
Delta R.T. -0.012 min
Lab File: BG054386.D
Acq: 25 Jul 2022 19:25

Tgt Ion:	82	Resp:	25832
Ion Ratio	Lower	Upper	
82	100		
128	44.1	27.9	41.9#
54	56.6	41.2	61.8

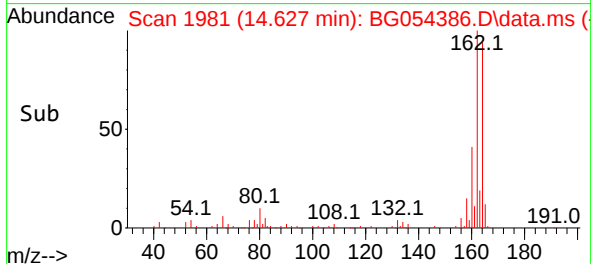
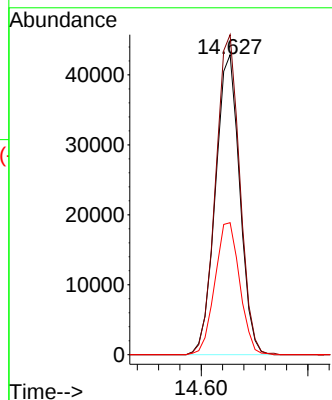
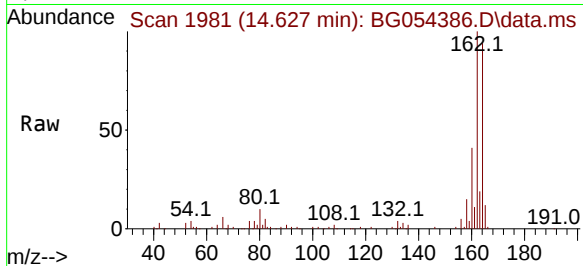




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.627 min Scan# 1914
Delta R.T. -0.006 min
Lab File: BG054386.D
Acq: 25 Jul 2022 19:25

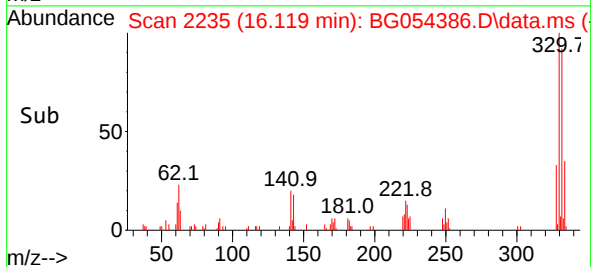
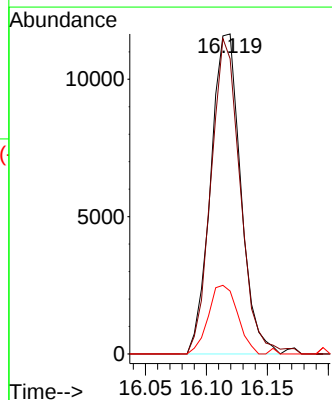
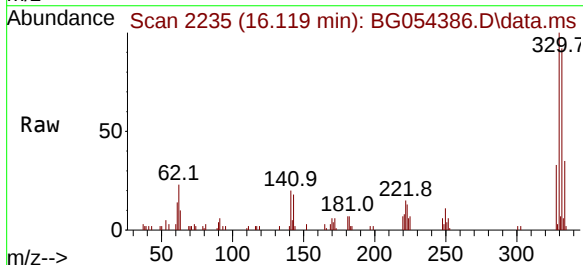
Instrument :
BNA_G
ClientSampleId :
OR-03-072122RE

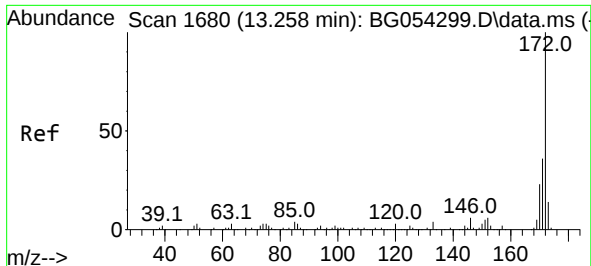
Tgt Ion:164 Resp: 67661
Ion Ratio Lower Upper
164 100
162 106.6 82.3 123.5
160 44.0 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 14.025 ng
RT: 16.119 min Scan# 2235
Delta R.T. -0.006 min
Lab File: BG054386.D
Acq: 25 Jul 2022 19:25

Tgt Ion:330 Resp: 19925
Ion Ratio Lower Upper
330 100
332 96.0 76.0 114.0
141 21.0 27.1 40.7#

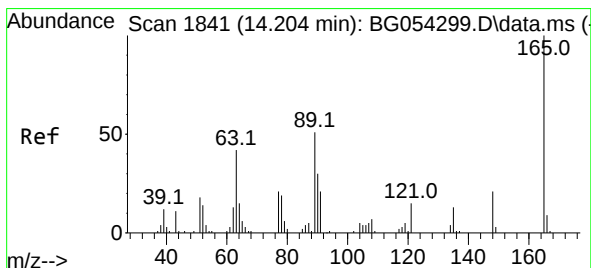
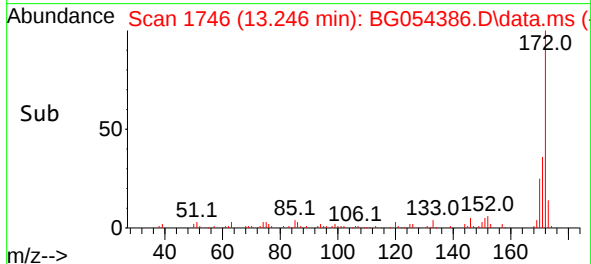
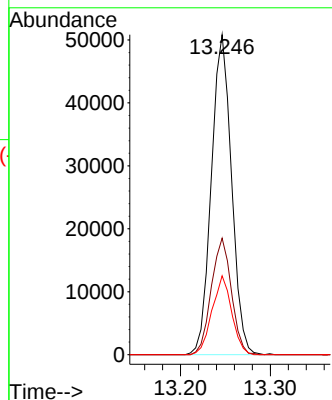
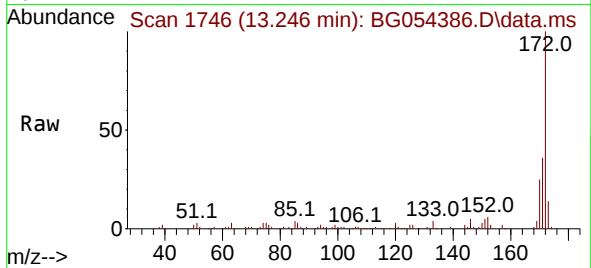




#45
2-Fluorobiphenyl
Concen: 16.524 ng
RT: 13.246 min Scan# 1
Delta R.T. -0.012 min
Lab File: BG054386.D
Acq: 25 Jul 2022 19:25

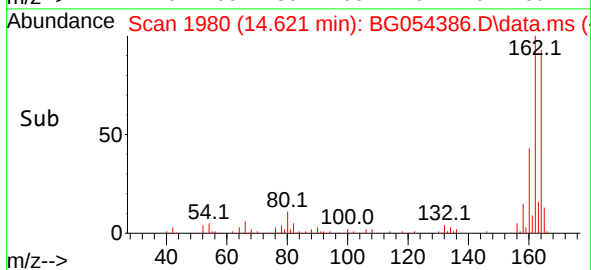
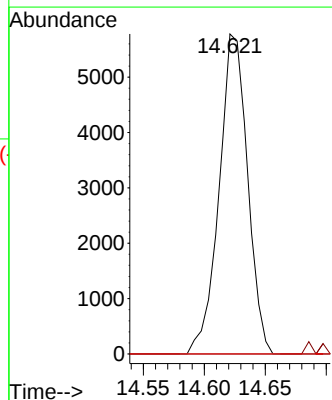
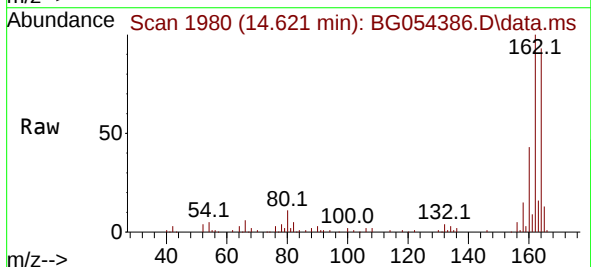
Instrument :
BNA_G
ClientSampleId :
OR-03-072122RE

Tgt Ion:172 Resp: 79254
Ion Ratio Lower Upper
172 100
171 36.4 28.5 42.7
170 24.6 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.097 ng
RT: 14.621 min Scan# 1980
Delta R.T. 0.417 min
Lab File: BG054386.D
Acq: 25 Jul 2022 19:25

Tgt Ion:165 Resp: 9386
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#





#57

2,4-Dinitrotoluene

Concen: 5.648 ng

RT: 14.621 min Scan# 14

Delta R.T. -0.376 min

Lab File: BG054386.D

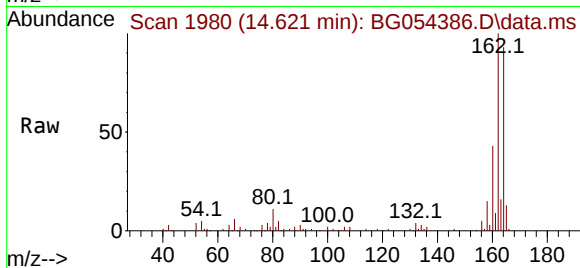
Acq: 25 Jul 2022 19:25

Instrument :

BNA_G

ClientSampleId :

OR-03-072122RE



Tgt Ion:165 Resp: 9386

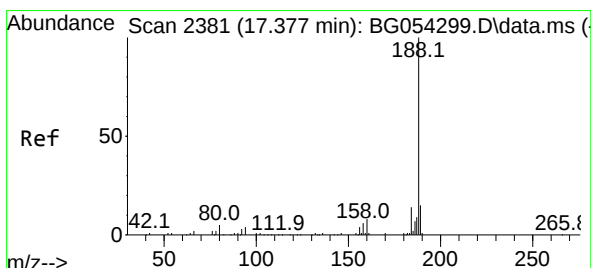
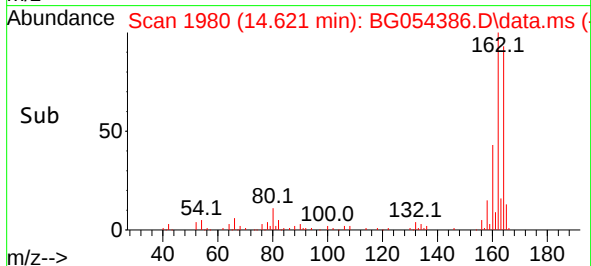
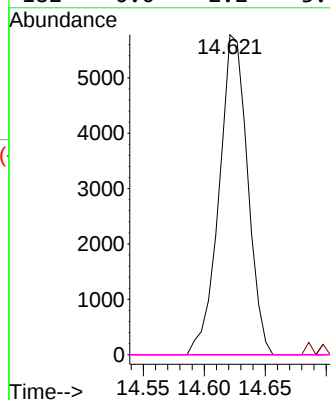
Ion Ratio Lower Upper

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: 17.371 min Scan# 2448

Delta R.T. -0.006 min

Lab File: BG054386.D

Acq: 25 Jul 2022 19:25

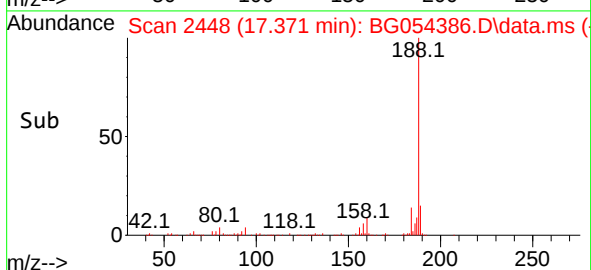
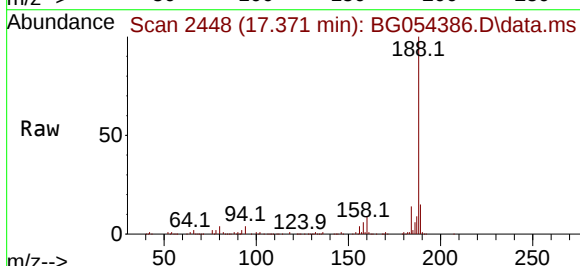
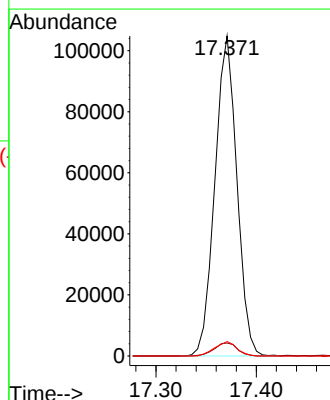
Tgt Ion:188 Resp: 159093

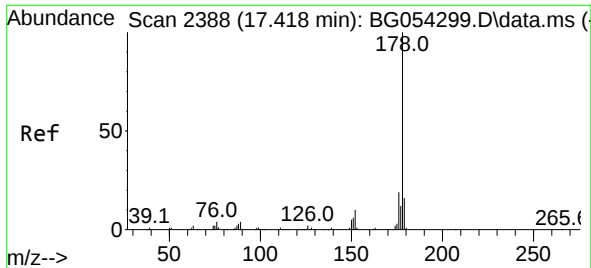
Ion Ratio Lower Upper

188 100

94 4.1 5.4 8.0#

80 4.5 6.8 10.2#

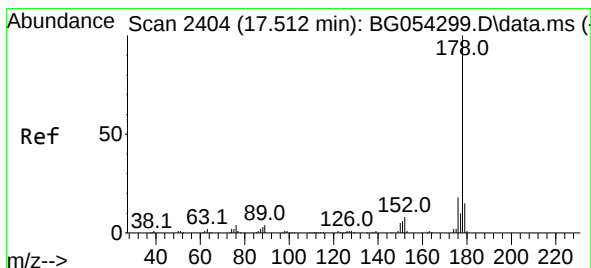
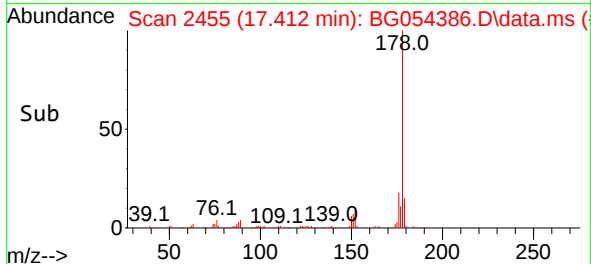
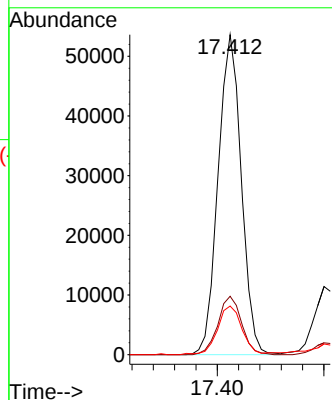
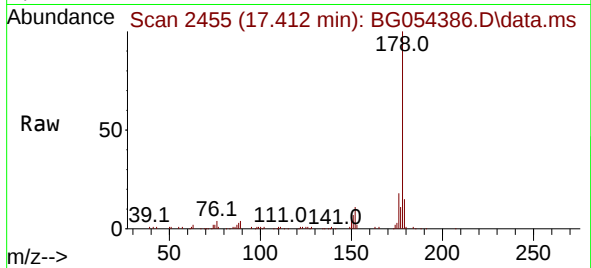




#71
Phenanthrene
Concen: 10.219 ng
RT: 17.412 min Scan# 24
Delta R.T. -0.006 min
Lab File: BG054386.D
Acq: 25 Jul 2022 19:25

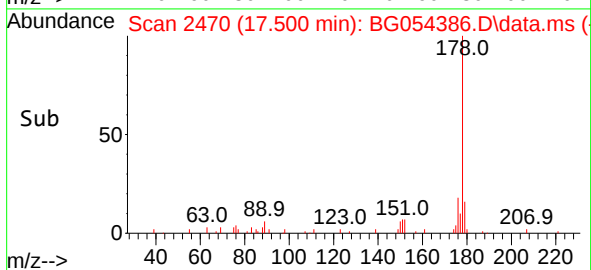
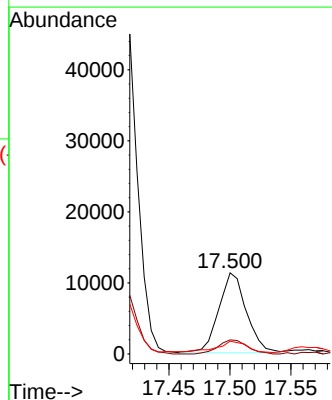
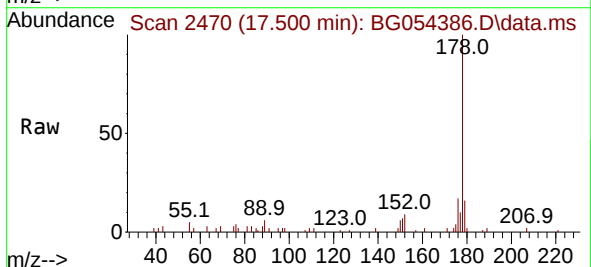
Instrument :
BNA_G
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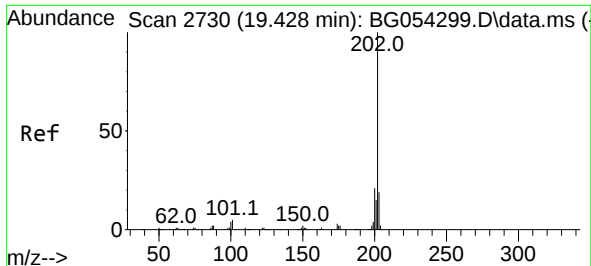
Tgt Ion:178 Resp: 80966
Ion Ratio Lower Upper
178 100
176 18.3 14.1 21.1
179 15.2 12.1 18.1



#72
Anthracene
Concen: 2.295 ng
RT: 17.500 min Scan# 2470
Delta R.T. -0.012 min
Lab File: BG054386.D
Acq: 25 Jul 2022 19:25

Tgt Ion:178 Resp: 17842
Ion Ratio Lower Upper
178 100
176 17.4 15.2 22.8
179 15.7 13.0 19.4

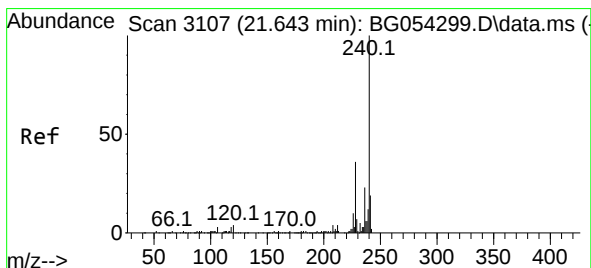
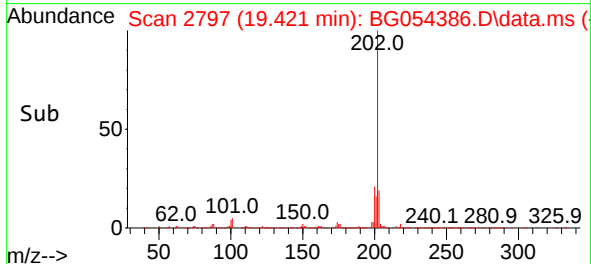
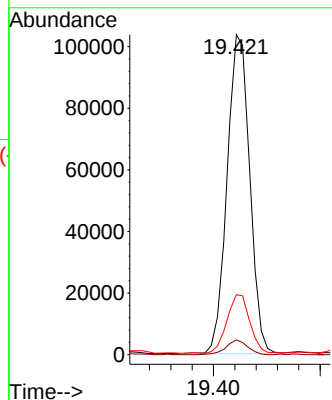
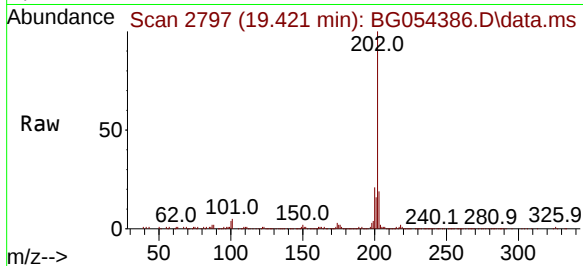




#75
Fluoranthene
Concen: 14.134 ng
RT: 19.421 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG054386.D
Acq: 25 Jul 2022 19:25

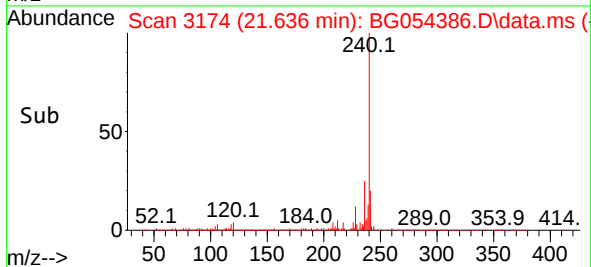
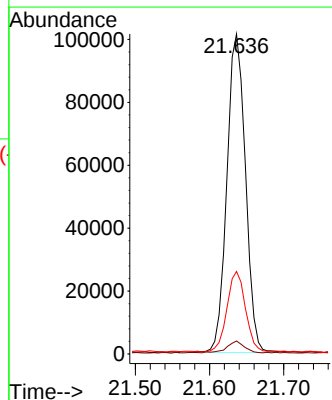
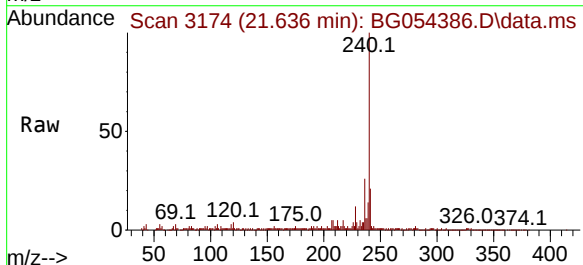
Instrument :
BNA_G
ClientSampleId :
OR-03-072122RE

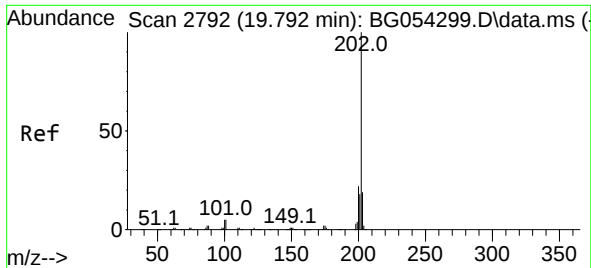
Tgt Ion:202 Resp: 152645
Ion Ratio Lower Upper
202 100
101 4.6 0.0 26.9
203 18.8 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.636 min Scan# 3174
Delta R.T. -0.007 min
Lab File: BG054386.D
Acq: 25 Jul 2022 19:25

Tgt Ion:240 Resp: 176299
Ion Ratio Lower Upper
240 100
120 4.0 4.6 7.0#
236 25.8 20.2 30.4

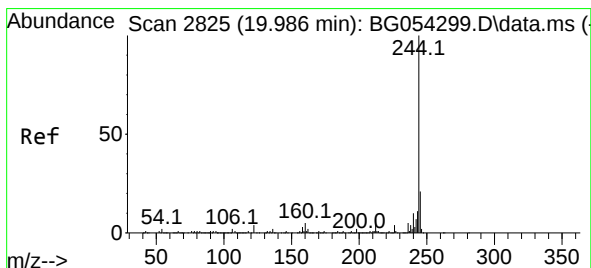
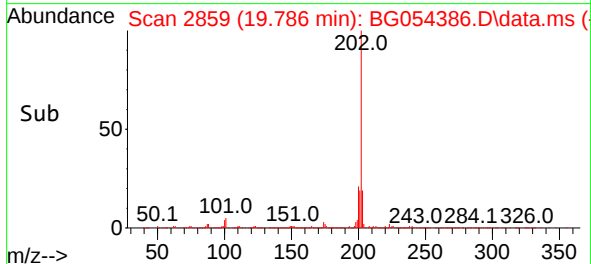
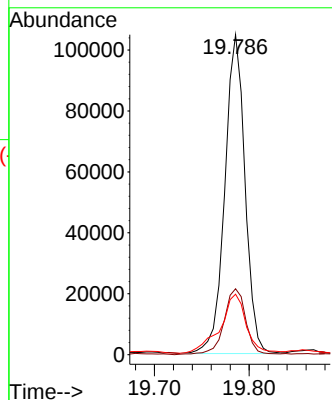
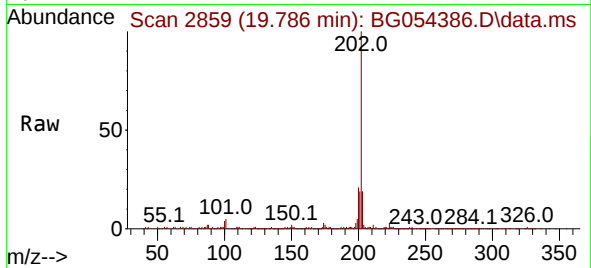




#78
Pyrene
Concen: 15.363 ng
RT: 19.786 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG054386.D
Acq: 25 Jul 2022 19:25

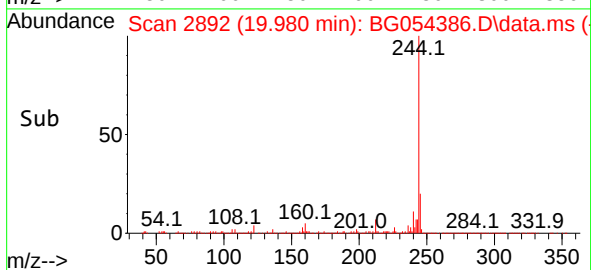
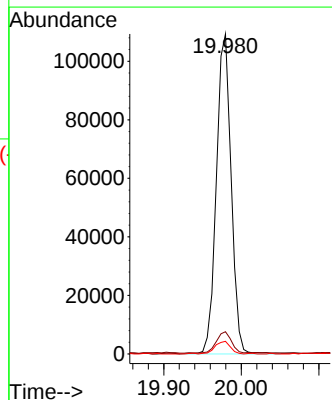
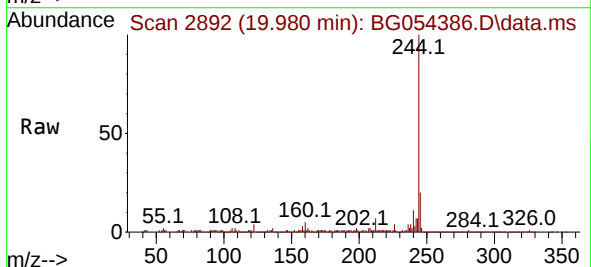
Instrument :
BNA_G
ClientSampleId :
OR-03-072122RE

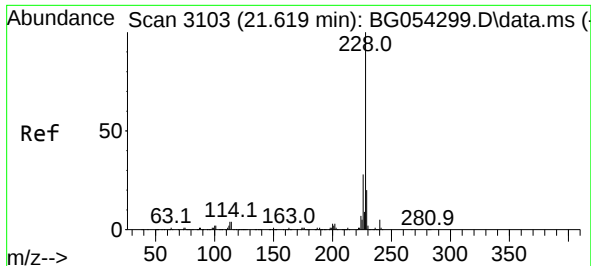
Tgt Ion:202 Resp: 155408
Ion Ratio Lower Upper
202 100
200 20.6 16.6 24.8
203 18.9 14.6 21.8



#79
Terphenyl-d14
Concen: 16.338 ng
RT: 19.980 min Scan# 2892
Delta R.T. -0.006 min
Lab File: BG054386.D
Acq: 25 Jul 2022 19:25

Tgt Ion:244 Resp: 145197
Ion Ratio Lower Upper
244 100
212 7.0 6.5 9.7
122 4.0 5.0 7.4#

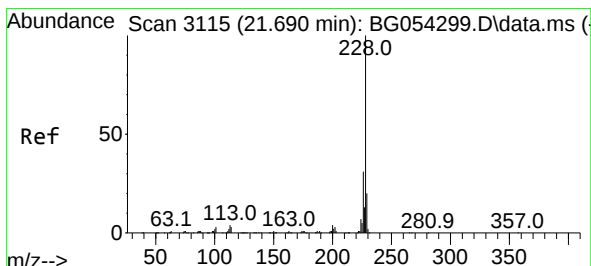
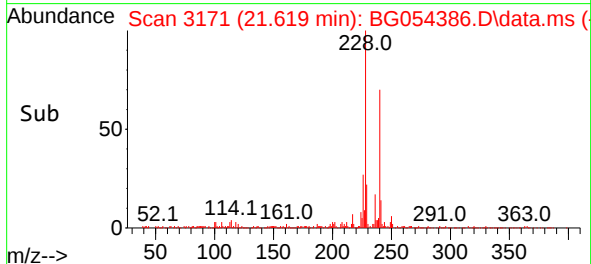
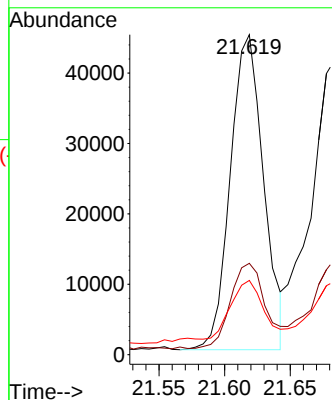
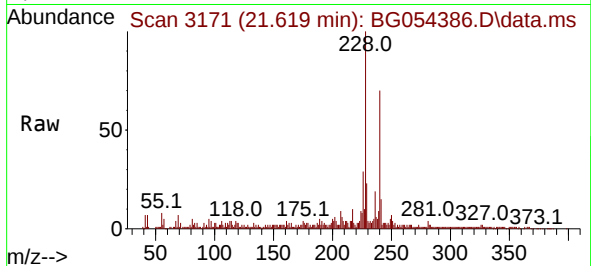




#81
Benzo(a)anthracene
Concen: 7.052 ng
RT: 21.619 min Scan# 3103
Delta R.T. -0.000 min
Lab File: BG054386.D
Acq: 25 Jul 2022 19:25

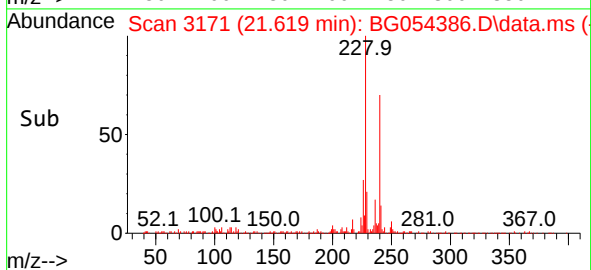
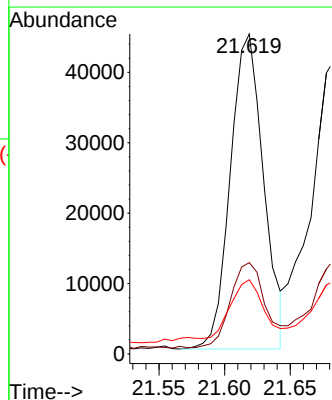
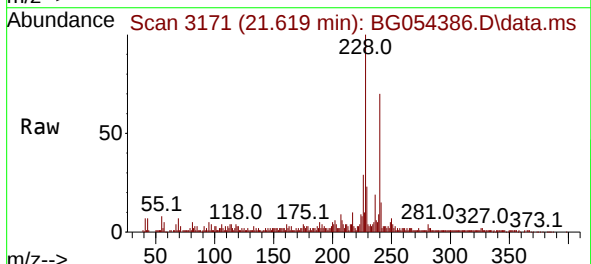
Instrument :
BNA_G
ClientSampleId :
OR-03-072122RE

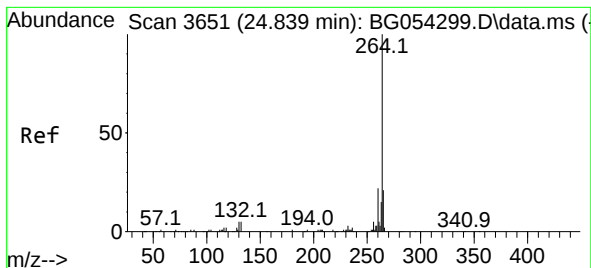
Tgt Ion:228 Resp: 78925
Ion Ratio Lower Upper
228 100
226 28.5 21.6 32.4
229 23.2 16.2 24.2



#83
Chrysene
Concen: 7.465 ng
RT: 21.619 min Scan# 3171
Delta R.T. -0.071 min
Lab File: BG054386.D
Acq: 25 Jul 2022 19:25

Tgt Ion:228 Resp: 78925
Ion Ratio Lower Upper
228 100
226 28.5 23.4 35.2
229 23.2 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.844 min Scan# 31

Delta R.T. 0.006 min

Lab File: BG054386.D

Acq: 25 Jul 2022 19:25

Instrument :

BNA_G

ClientSampleId :

OR-03-072122RE

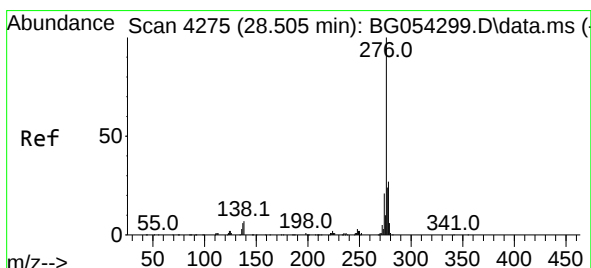
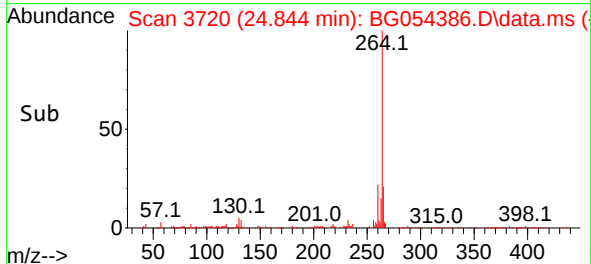
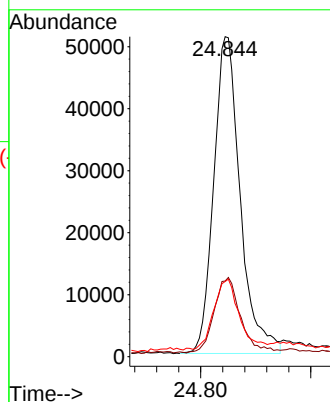
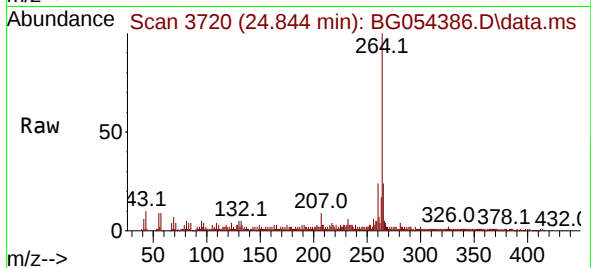
Tgt Ion:264 Resp: 170652

Ion Ratio Lower Upper

264 100

260 23.6 19.0 28.6

265 23.5 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.187 ng

RT: 28.534 min Scan# 4348

Delta R.T. 0.029 min

Lab File: BG054386.D

Acq: 25 Jul 2022 19:25

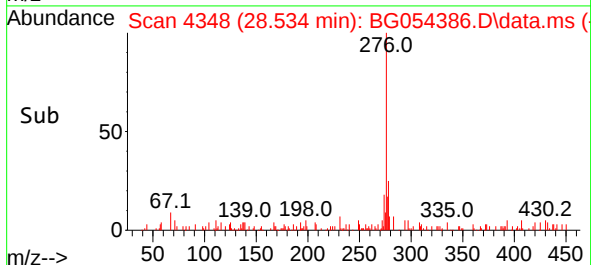
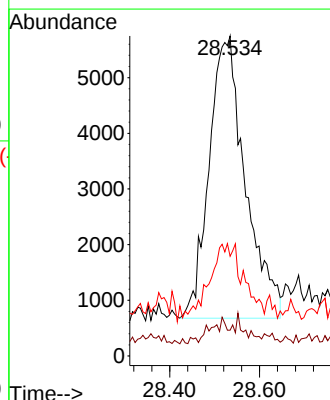
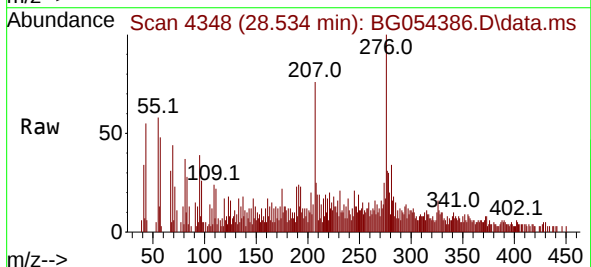
Tgt Ion:276 Resp: 28386

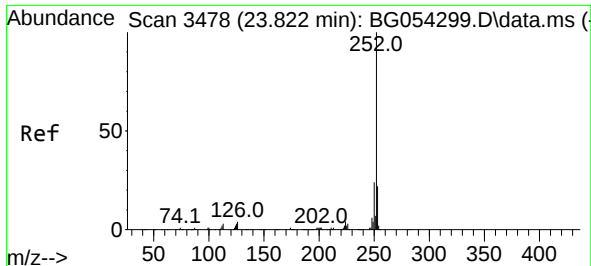
Ion Ratio Lower Upper

276 100

138 3.8 5.0 7.4#

277 17.6 20.3 30.5#

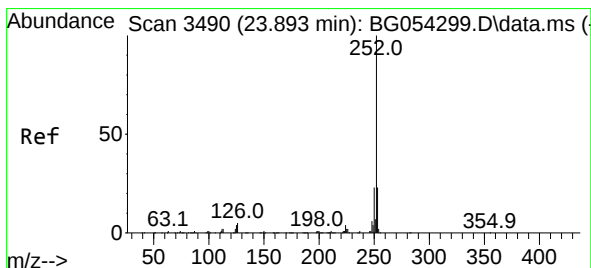
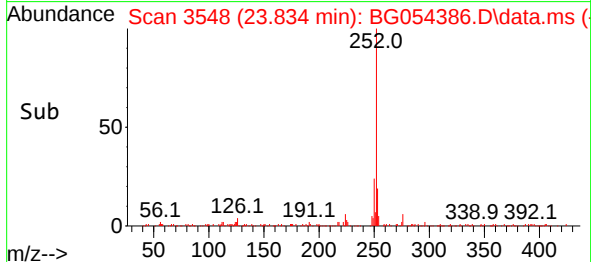
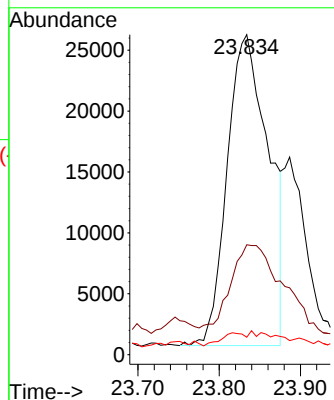
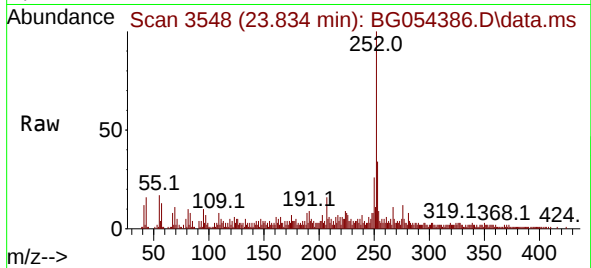




#88
Benzo(b)fluoranthene
Concen: 8.948 ng
RT: 23.834 min Scan# 31
Delta R.T. 0.011 min
Lab File: BG054386.D
Acq: 25 Jul 2022 19:25

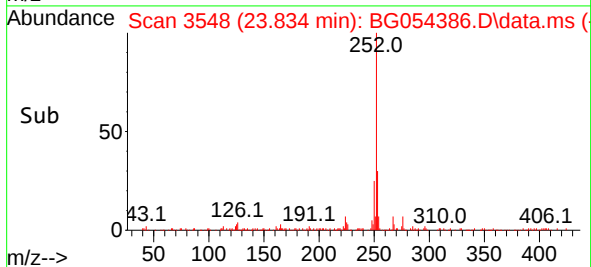
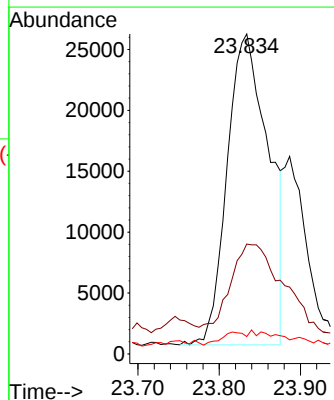
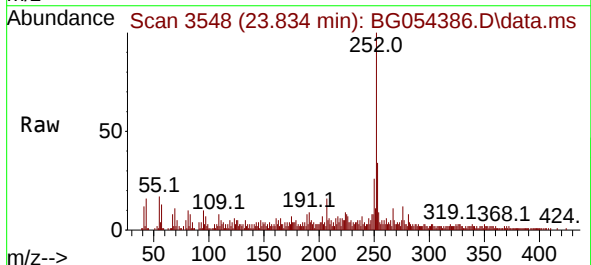
Instrument :
BNA_G
ClientSampleId :
OR-03-072122RE

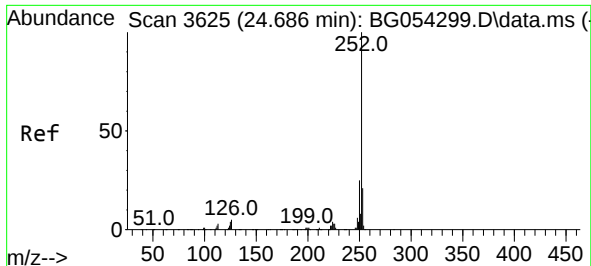
Tgt Ion:252 Resp: 90301
Ion Ratio Lower Upper
252 100
253 34.3 18.0 27.0#
125 5.5 4.6 6.8



#89
Benzo(k)fluoranthene
Concen: 8.991 ng
RT: 23.834 min Scan# 3548
Delta R.T. -0.059 min
Lab File: BG054386.D
Acq: 25 Jul 2022 19:25

Tgt Ion:252 Resp: 90301
Ion Ratio Lower Upper
252 100
253 34.3 18.4 27.6#
125 5.5 4.8 7.2

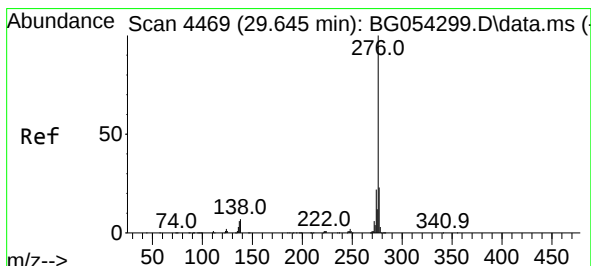
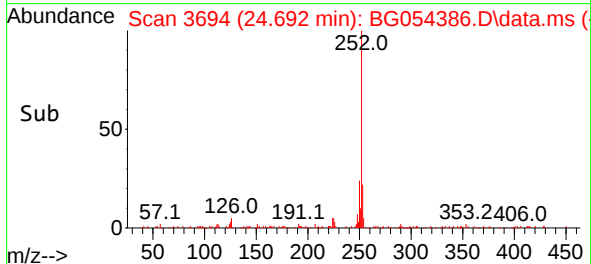
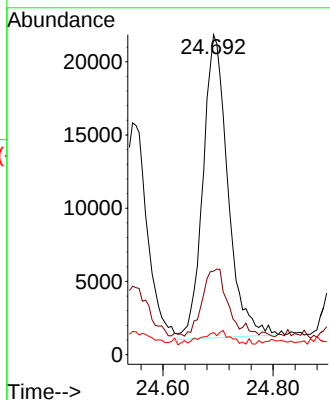
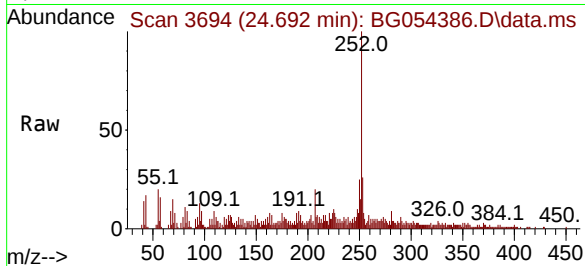




#90
Benzo(a)pyrene
Concen: 7.528 ng
RT: 24.692 min Scan# 30
Delta R.T. 0.006 min
Lab File: BG054386.D
Acq: 25 Jul 2022 19:25

Instrument :
BNA_G
ClientSampleId :
OR-03-072122RE

Tgt Ion:252 Resp: 64878
Ion Ratio Lower Upper
252 100
253 26.1 17.8 26.8
125 6.9 4.3 6.5#



#92
Benzo(g,h,i)perylene
Concen: 2.402 ng
RT: 29.692 min Scan# 4545
Delta R.T. 0.047 min
Lab File: BG054386.D
Acq: 25 Jul 2022 19:25

Tgt Ion:276 Resp: 25306
Ion Ratio Lower Upper
276 100
277 31.3 17.3 25.9#
138 10.5 9.6 14.4

