

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
 Data File : BG054402.D
 Acq On : 26 Jul 2022 17:37
 Operator : CG/JU
 Sample : N3839-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-1-(5-10)

Quant Time: Jul 27 04:33:52 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)

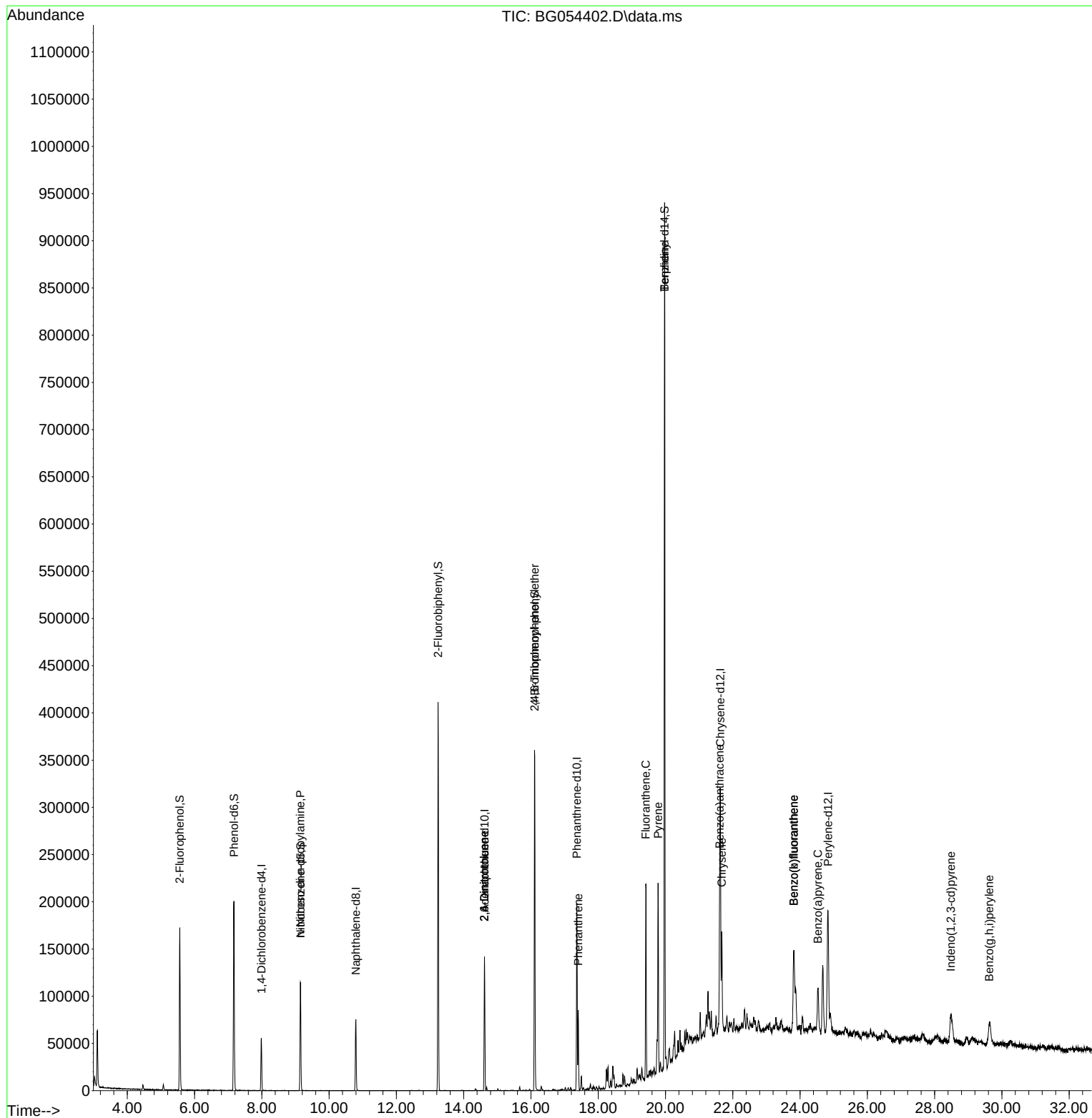
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.988	152	17879	20.000	ng	-0.01
21) Naphthalene-d8	10.797	136	68078	20.000	ng	#-0.01
39) Acenaphthene-d10	14.622	164	55368	20.000	ng	-0.01
64) Phenanthrene-d10	17.365	188	139839	20.000	ng	#-0.01
76) Chrysene-d12	21.631	240	155035	20.000	ng	#-0.01
86) Perylene-d12	24.833	264	163813	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.562	112	77996	91.083	ng	0.00
7) Phenol-d6	7.171	99	114128	97.265	ng	0.00
23) Nitrobenzene-d5	9.152	82	71740	57.386	ng	-0.01
42) 2,4,6-Tribromophenol	16.114	330	98455	84.691	ng	-0.01
45) 2-Fluorobiphenyl	13.241	172	237010	60.387	ng	-0.02
79) Terphenyl-d14	19.974	244	524351	67.095	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	7.171	77	187	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.146	70	10025	12.794	ng	# 85
51) 2,6-Dinitrotoluene	14.616	165	7517	7.924	ng	# 16
57) 2,4-Dinitrotoluene	14.616	165	7517	5.528	ng	# 21
67) 4-Bromophenyl-phenylether	16.108	248	5940	3.024	ng	# 1
71) Phenanthrene	17.407	178	58687	8.427	ng	98
75) Fluoranthene	19.416	202	145366	15.313	ng	95
77) Benzidine	19.974	184	6693	2.384	ng	# 91
78) Pyrene	19.780	202	144111	16.200	ng	99
81) Benzo(a)anthracene	21.607	228	90325	9.178	ng	99
83) Chrysene	21.672	228	83575	8.989	ng	96
87) Indeno(1,2,3-cd)pyrene	28.488	276	62001	4.975	ng	# 95
88) Benzo(b)fluoranthene	23.817	252	119034	12.287	ng	# 96
89) Benzo(k)fluoranthene	23.817	252	119522	12.397	ng	# 96
90) Benzo(a)pyrene	24.528	252	62282	7.528	ng	100
92) Benzo(g,h,i)perylene	29.628	276	62330	6.163	ng	# 94

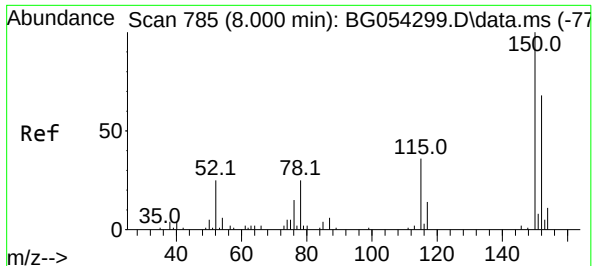
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
Data File : BG054402.D
Acq On : 26 Jul 2022 17:37
Operator : CG/JU
Sample : N3839-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-DE-1-(5-10)

Quant Time: Jul 27 04:33:52 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

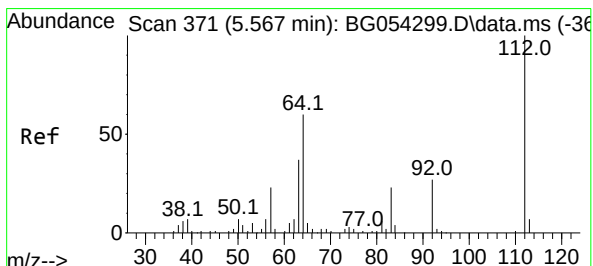
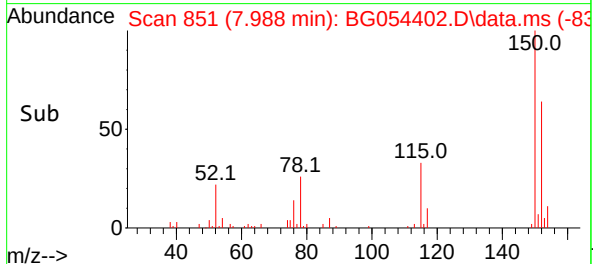
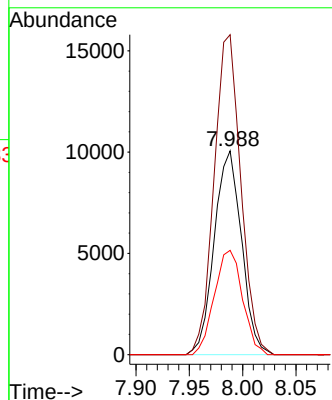
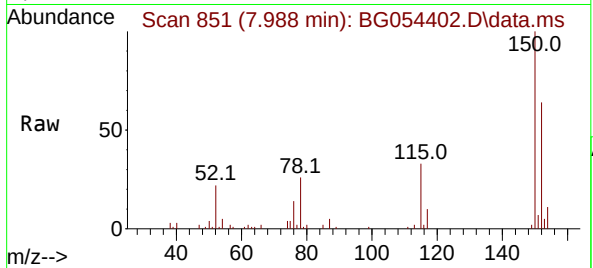




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.988 min Scan# 81
Delta R.T. -0.012 min
Lab File: BG054402.D
Acq: 26 Jul 2022 17:37

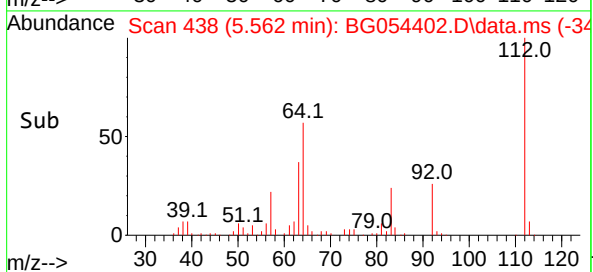
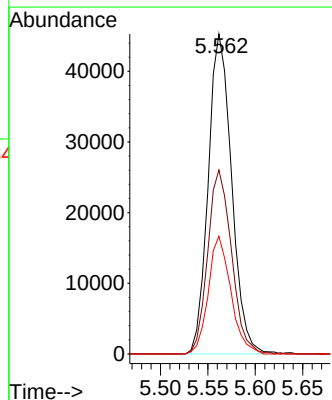
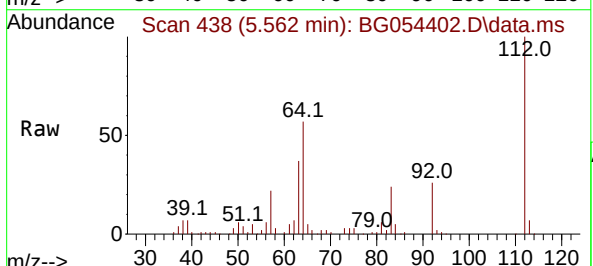
Instrument :
BNA_G
ClientSampleId :
ENV-DE-1-(5-10)

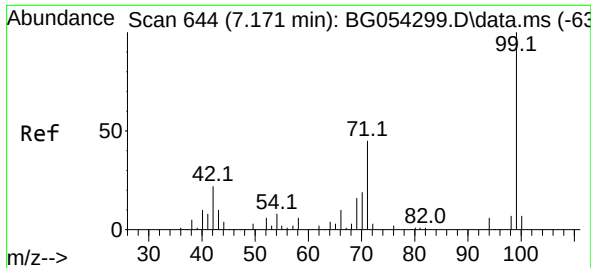
Tgt Ion:152 Resp: 17879
Ion Ratio Lower Upper
152 100
150 157.0 131.6 197.4
115 51.2 50.9 76.3



#5
2-Fluorophenol
Concen: 91.083 ng
RT: 5.562 min Scan# 438
Delta R.T. -0.006 min
Lab File: BG054402.D
Acq: 26 Jul 2022 17:37

Tgt Ion:112 Resp: 77996
Ion Ratio Lower Upper
112 100
64 57.5 55.1 82.7
63 36.8 30.4 45.6

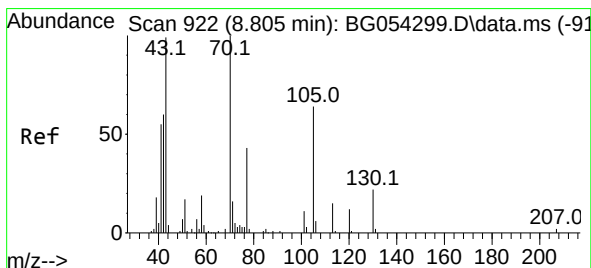
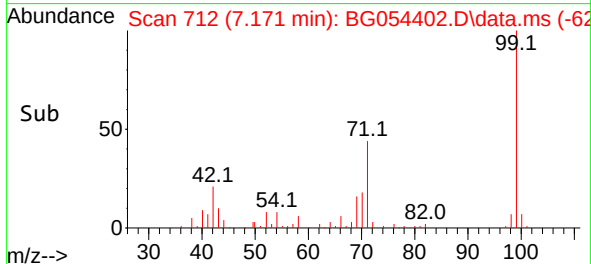
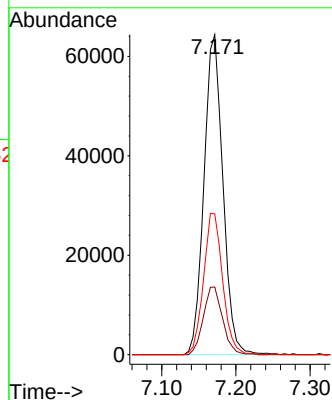
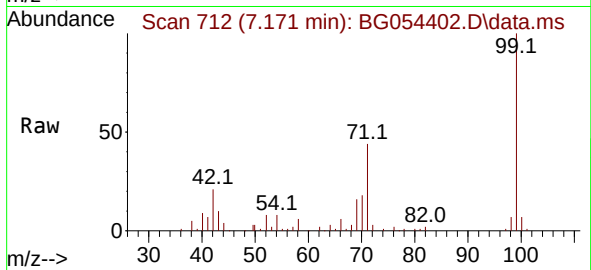




#7
Phenol-d6
Concen: 97.265 ng
RT: 7.171 min Scan# 71
Delta R.T. 0.000 min
Lab File: BG054402.D
Acq: 26 Jul 2022 17:37

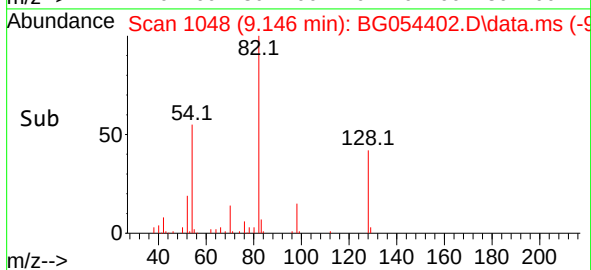
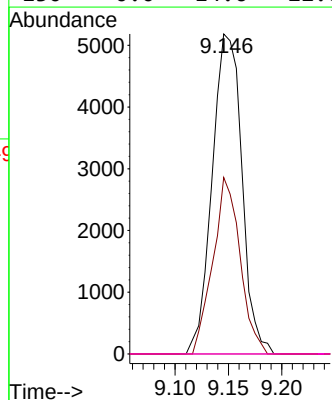
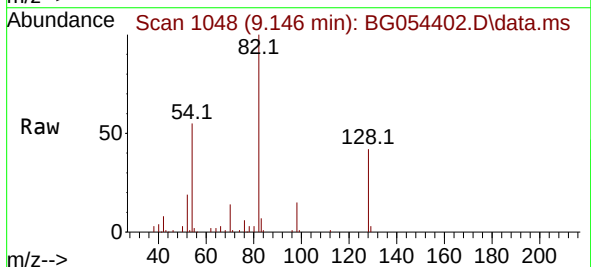
Instrument :
BNA_G
ClientSampleId :
ENV-DE-1-(5-10)

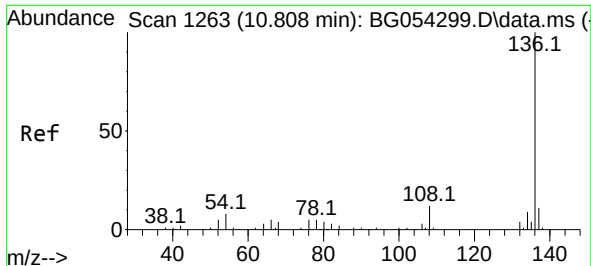
Tgt Ion: 99 Resp: 114128
Ion Ratio Lower Upper
99 100
42 21.1 17.0 25.6
71 44.0 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 12.794 ng
RT: 9.146 min Scan# 1048
Delta R.T. 0.341 min
Lab File: BG054402.D
Acq: 26 Jul 2022 17:37

Tgt Ion: 70 Resp: 10025
Ion Ratio Lower Upper
70 100
42 55.2 47.3 70.9
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#

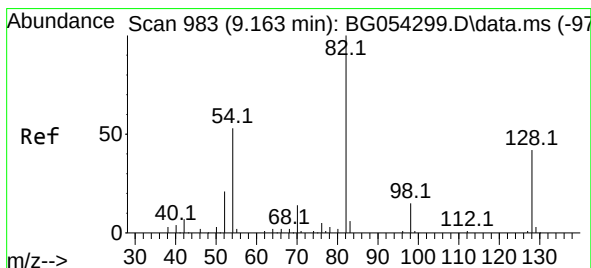
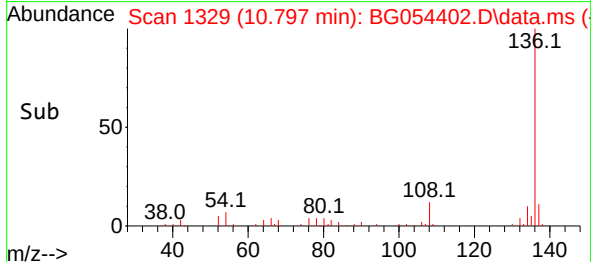
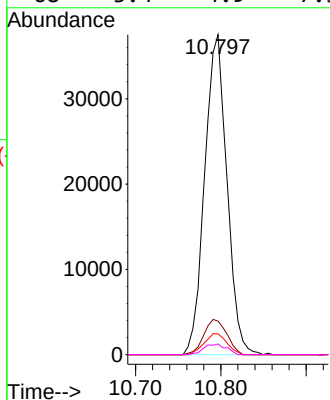
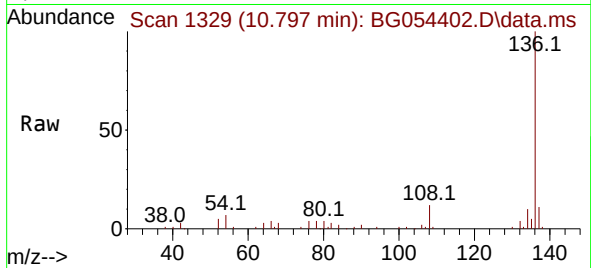




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.797 min Scan# 11
Delta R.T. -0.011 min
Lab File: BG054402.D
Acq: 26 Jul 2022 17:37

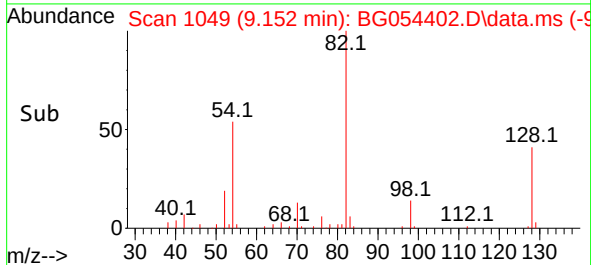
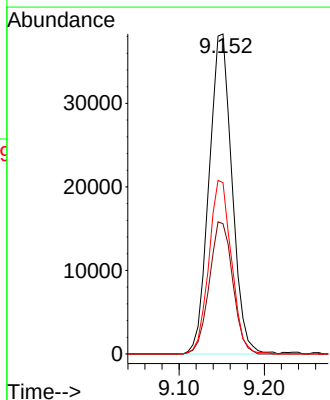
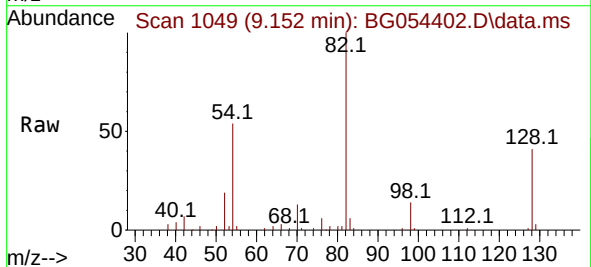
Instrument :
BNA_G
ClientSampleId :
ENV-DE-1-(5-10)

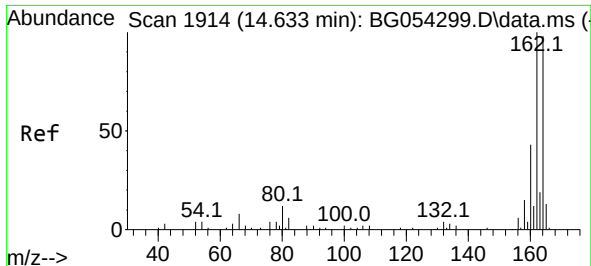
Tgt Ion:	136	Resp:	68078
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.5	12.7
54	6.5	7.4	11.2#
68	3.4	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 57.386 ng
RT: 9.152 min Scan# 1049
Delta R.T. -0.012 min
Lab File: BG054402.D
Acq: 26 Jul 2022 17:37

Tgt Ion:	82	Resp:	71740
Ion Ratio	Lower	Upper	
82	100		
128	40.7	27.9	41.9
54	53.6	41.2	61.8

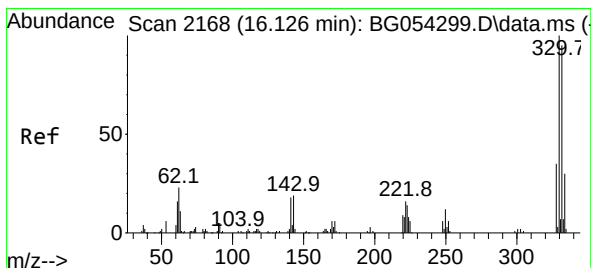
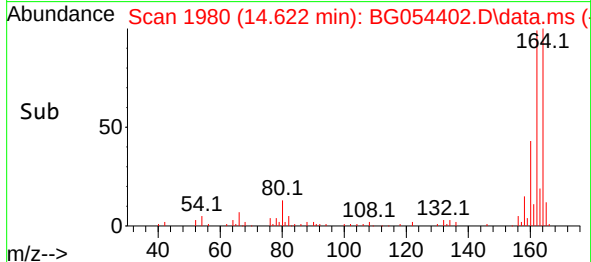
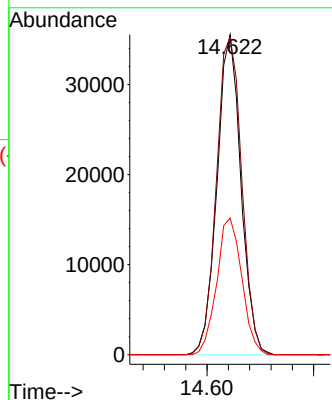
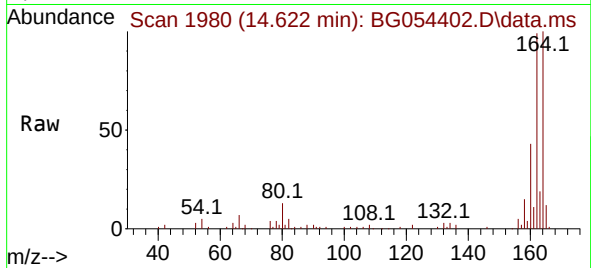




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.622 min Scan# 1914
Delta R.T. -0.011 min
Lab File: BG054402.D
Acq: 26 Jul 2022 17:37

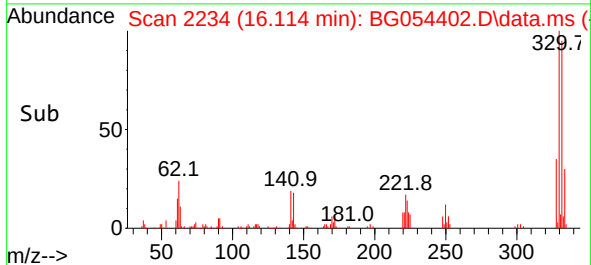
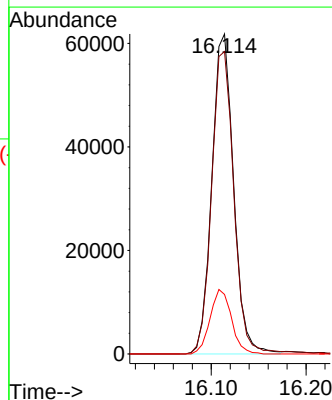
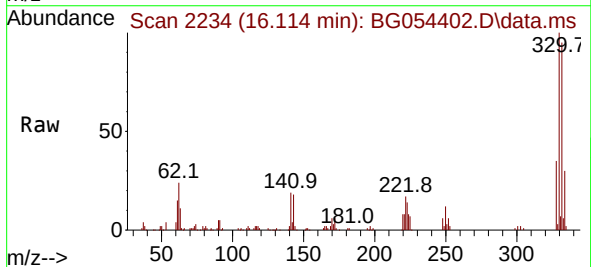
Instrument :
BNA_G
ClientSampleId :
ENV-DE-1-(5-10)

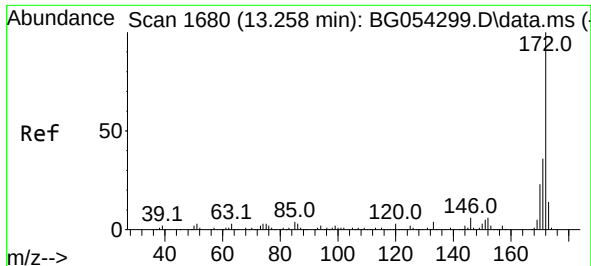
Tgt Ion:164 Resp: 55368
Ion Ratio Lower Upper
164 100
162 99.3 82.3 123.5
160 42.7 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 84.691 ng
RT: 16.114 min Scan# 2234
Delta R.T. -0.012 min
Lab File: BG054402.D
Acq: 26 Jul 2022 17:37

Tgt Ion:330 Resp: 98455
Ion Ratio Lower Upper
330 100
332 97.2 76.0 114.0
141 19.8 27.1 40.7#

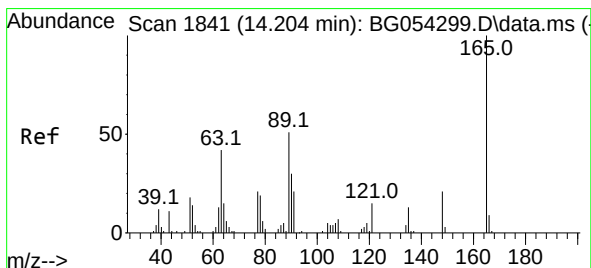
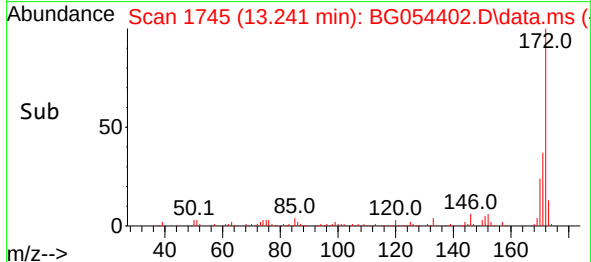
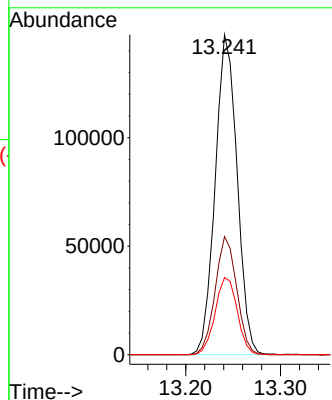
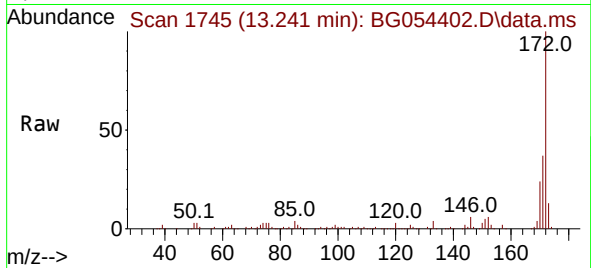




#45
2-Fluorobiphenyl
Concen: 60.387 ng
RT: 13.241 min Scan# 1
Delta R.T. -0.018 min
Lab File: BG054402.D
Acq: 26 Jul 2022 17:37

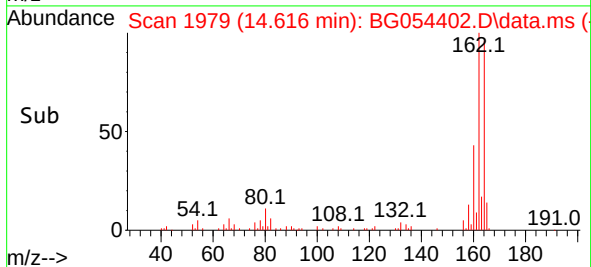
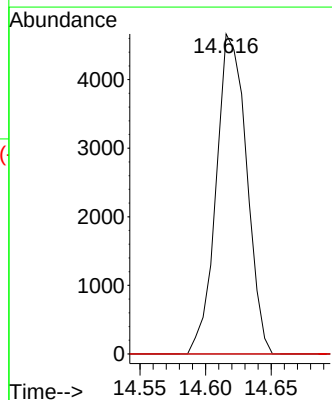
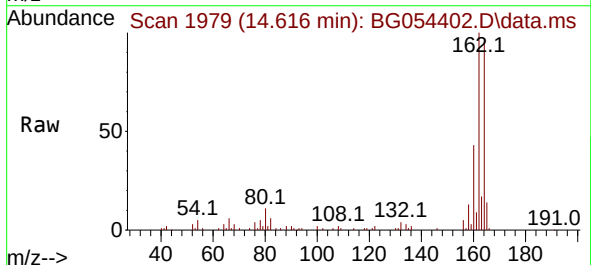
Instrument :
BNA_G
ClientSampleId :
ENV-DE-1-(5-10)

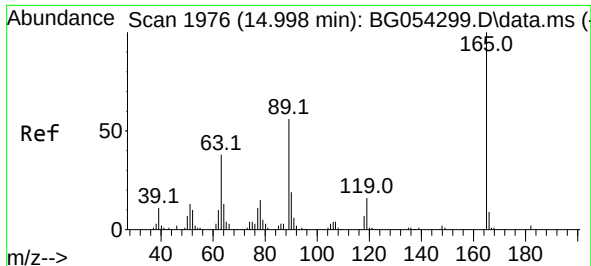
Tgt Ion:172 Resp: 237010
Ion Ratio Lower Upper
172 100
171 36.9 28.5 42.7
170 24.1 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 7.924 ng
RT: 14.616 min Scan# 1979
Delta R.T. 0.411 min
Lab File: BG054402.D
Acq: 26 Jul 2022 17:37

Tgt Ion:165 Resp: 7517
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: 5.528 ng

RT: 14.616 min Scan# 14

Delta R.T. -0.382 min

Lab File: BG054402.D

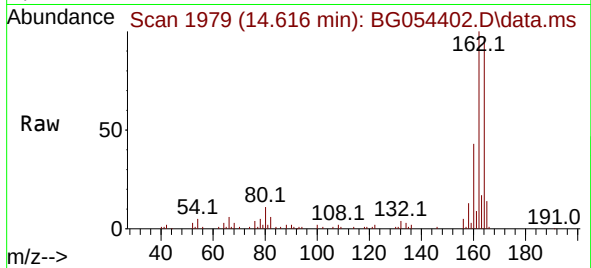
Acq: 26 Jul 2022 17:37

Instrument :

BNA_G

ClientSampleId :

ENV-DE-1-(5-10)



Tgt Ion:165 Resp: 7517

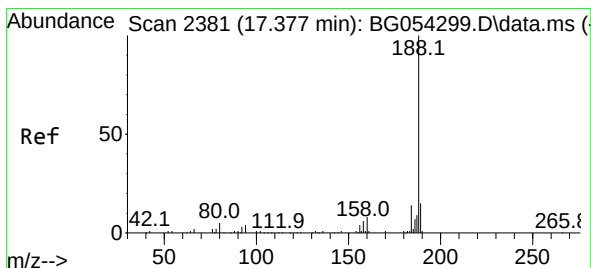
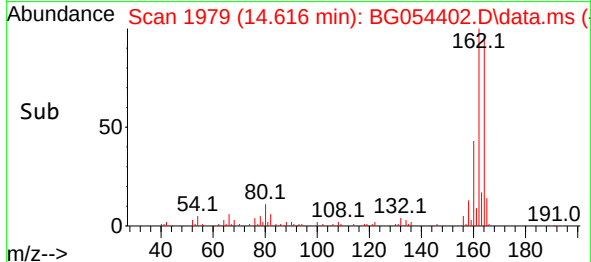
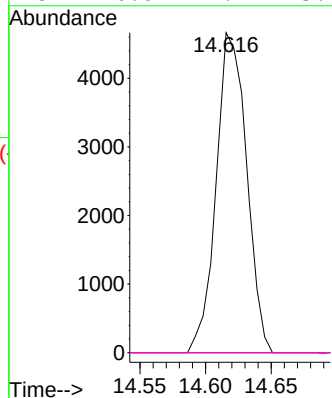
Ion Ratio Lower Upper

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: BG054402.D

Acq: 26 Jul 2022 17:37

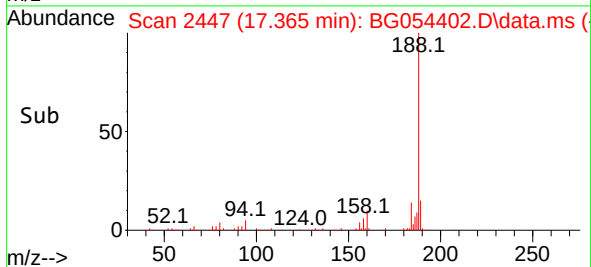
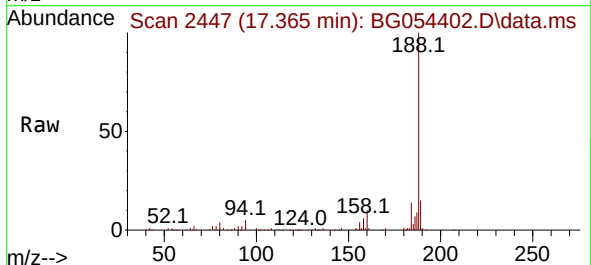
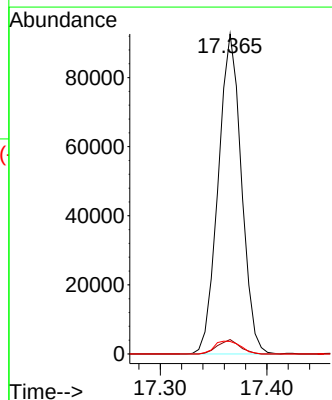
Tgt Ion:188 Resp: 139839

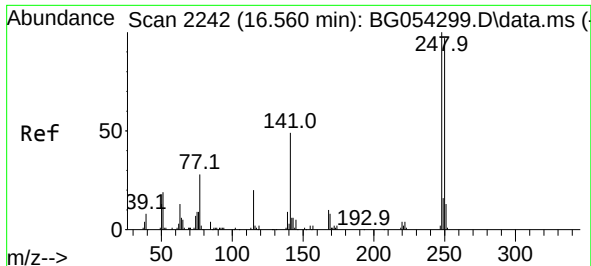
Ion Ratio Lower Upper

188 100

94 4.5 5.4 8.0#

80 3.9 6.8 10.2#

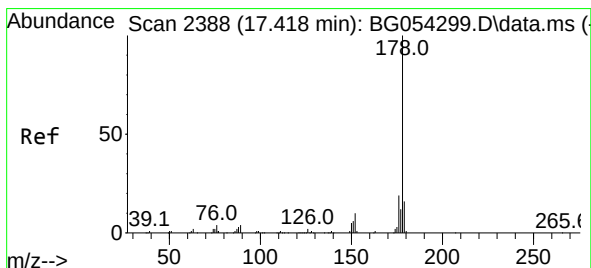
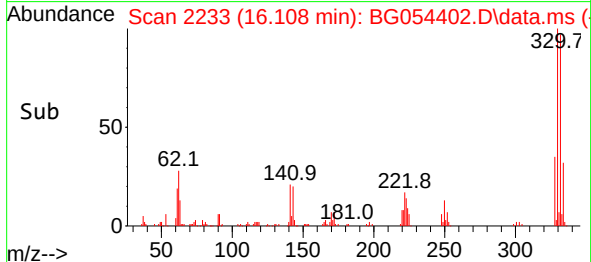
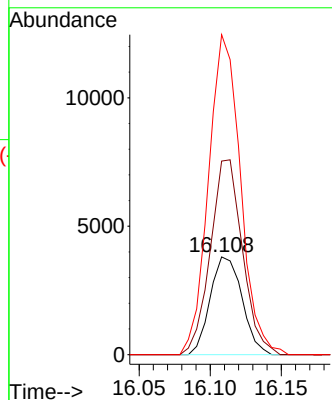
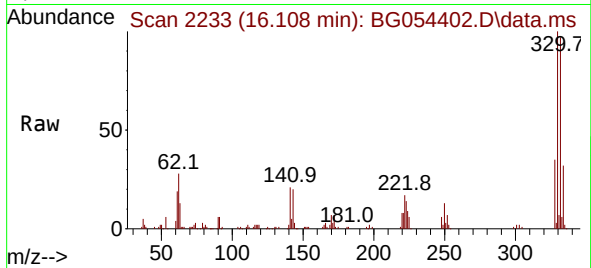




#67
4-Bromophenyl-phenylether
Concen: 3.024 ng
RT: 16.108 min Scan# 21
Delta R.T. -0.452 min
Lab File: BG054402.D
Acq: 26 Jul 2022 17:37

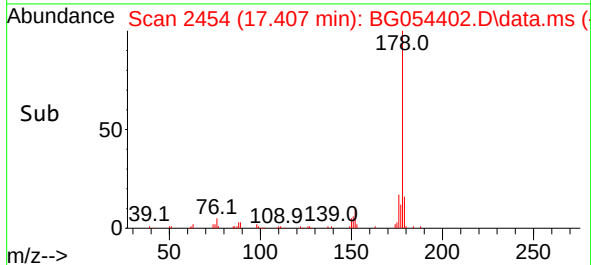
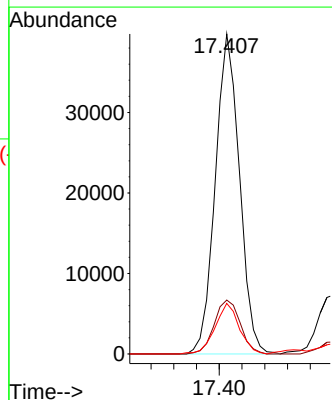
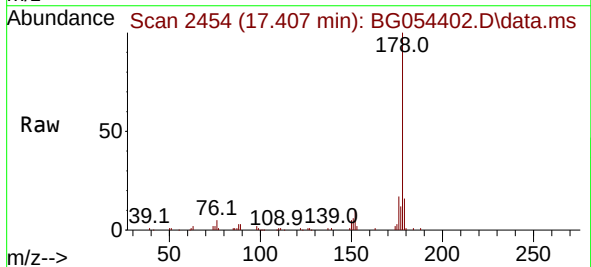
Instrument :
BNA_G
ClientSampleId :
ENV-DE-1-(5-10)

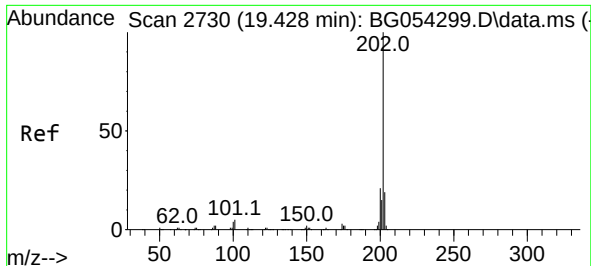
Tgt Ion:248 Resp: 5940
Ion Ratio Lower Upper
248 100
250 249.1 75.2 112.8#
141 327.2 50.0 75.0#



#71
Phenanthrene
Concen: 8.427 ng
RT: 17.407 min Scan# 2454
Delta R.T. -0.012 min
Lab File: BG054402.D
Acq: 26 Jul 2022 17:37

Tgt Ion:178 Resp: 58687
Ion Ratio Lower Upper
178 100
176 16.9 14.1 21.1
179 15.8 12.1 18.1

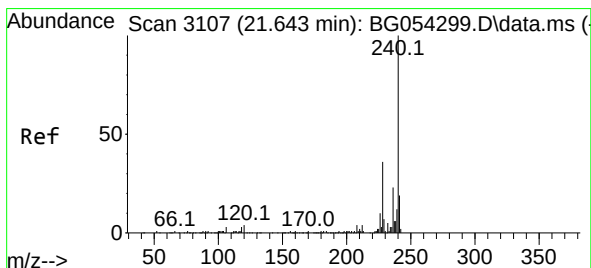
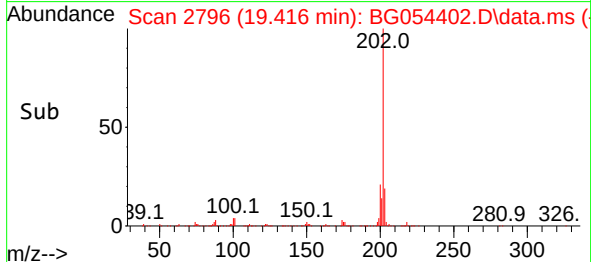
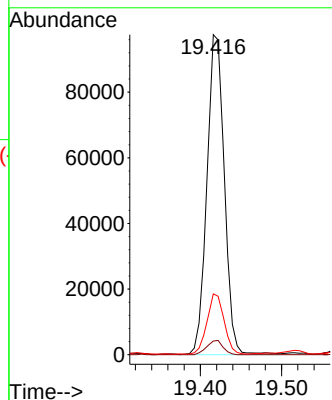
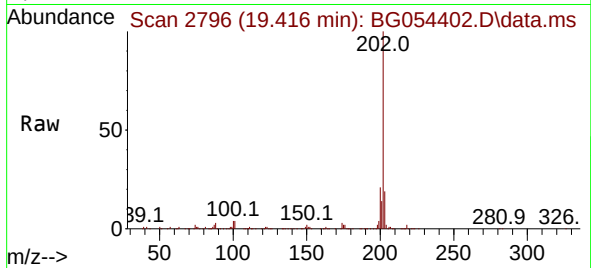




#75
Fluoranthene
Concen: 15.313 ng
RT: 19.416 min Scan# 21
Delta R.T. -0.012 min
Lab File: BG054402.D
Acq: 26 Jul 2022 17:37

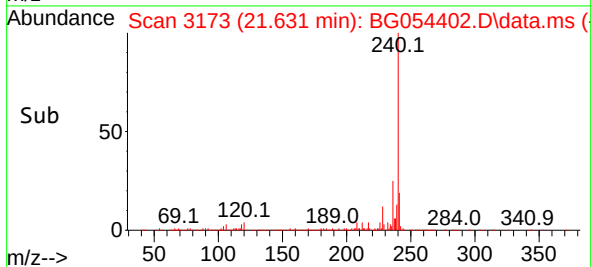
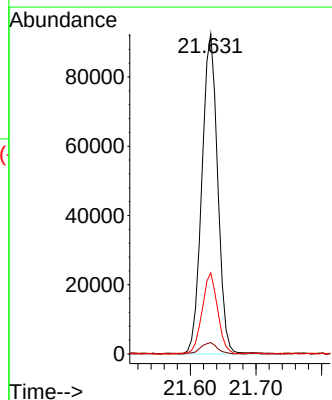
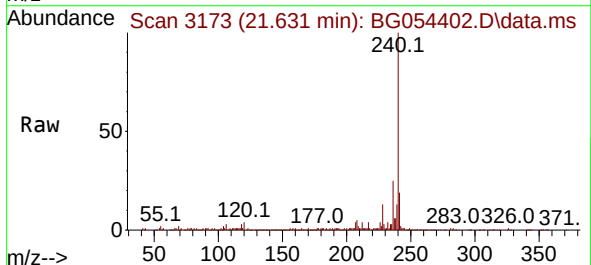
Instrument :
BNA_G
ClientSampleId :
ENV-DE-1-(5-10)

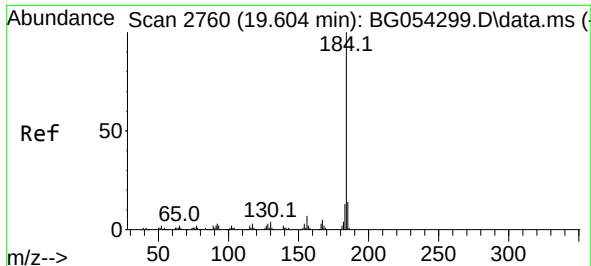
Tgt Ion:202 Resp: 145366
Ion Ratio Lower Upper
202 100
101 4.2 0.0 26.9
203 19.0 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.631 min Scan# 3173
Delta R.T. -0.012 min
Lab File: BG054402.D
Acq: 26 Jul 2022 17:37

Tgt Ion:240 Resp: 155035
Ion Ratio Lower Upper
240 100
120 3.5 4.6 7.0#
236 25.4 20.2 30.4

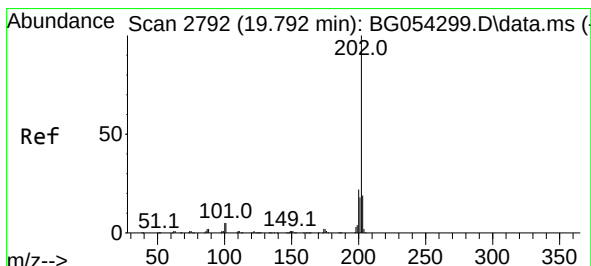
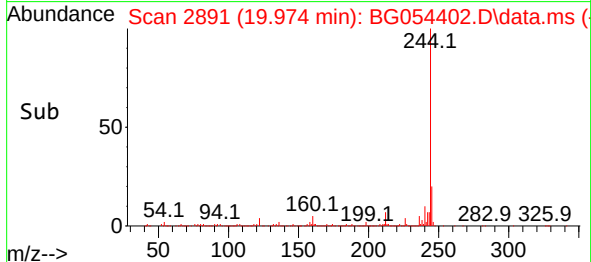
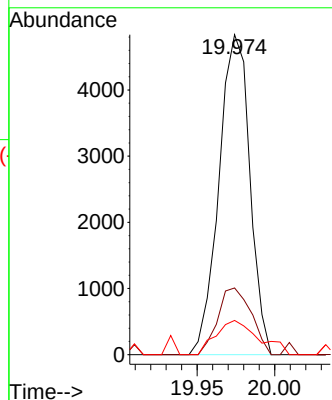
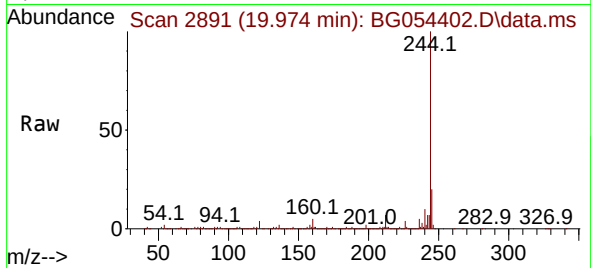




#77
Benzidine
Concen: 2.384 ng
RT: 19.974 min Scan# 2891
Delta R.T. 0.370 min
Lab File: BG054402.D
Acq: 26 Jul 2022 17:37

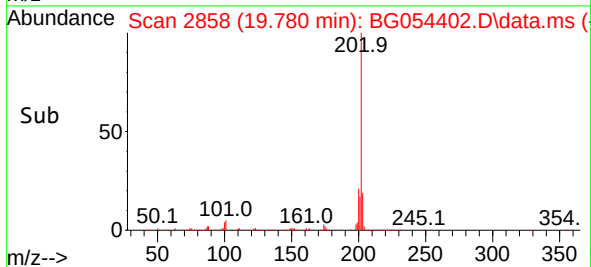
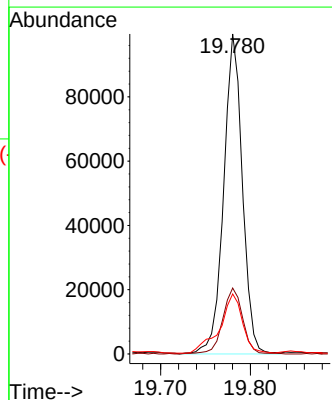
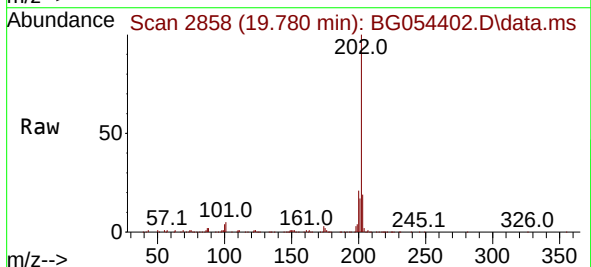
Instrument :
BNA_G
ClientSampleId :
ENV-DE-1-(5-10)

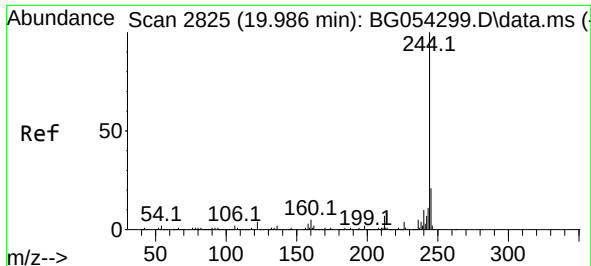
Tgt Ion:184 Resp: 6693
Ion Ratio Lower Upper
184 100
185 20.9 11.8 17.6#
183 10.7 8.9 13.3



#78
Pyrene
Concen: 16.200 ng
RT: 19.780 min Scan# 2858
Delta R.T. -0.012 min
Lab File: BG054402.D
Acq: 26 Jul 2022 17:37

Tgt Ion:202 Resp: 144111
Ion Ratio Lower Upper
202 100
200 20.6 16.6 24.8
203 18.7 14.6 21.8

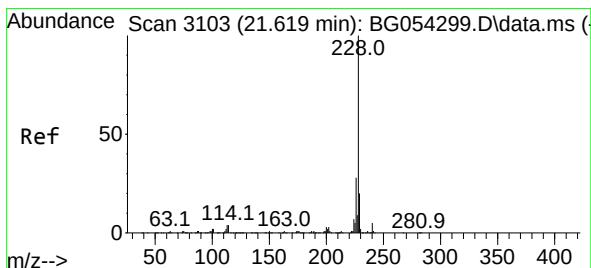
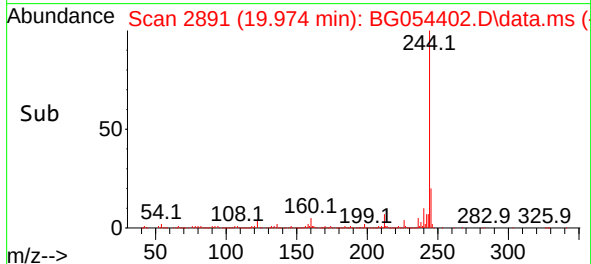
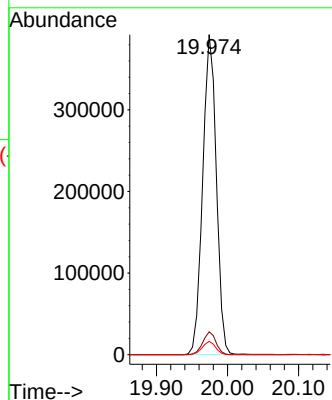
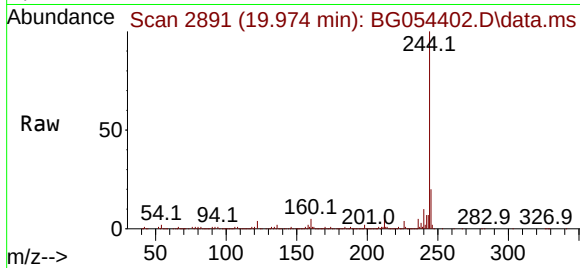




#79
 Terphenyl-d14
 Concen: 67.095 ng
 RT: 19.974 min Scan# 2891
 Delta R.T. -0.012 min
 Lab File: BG054402.D
 Acq: 26 Jul 2022 17:37

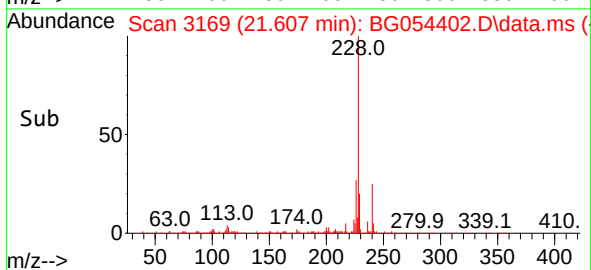
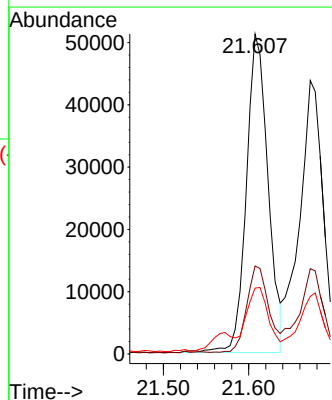
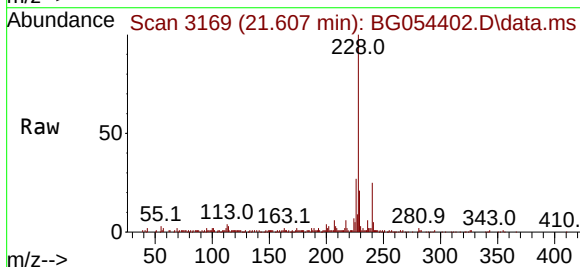
Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-1-(5-10)

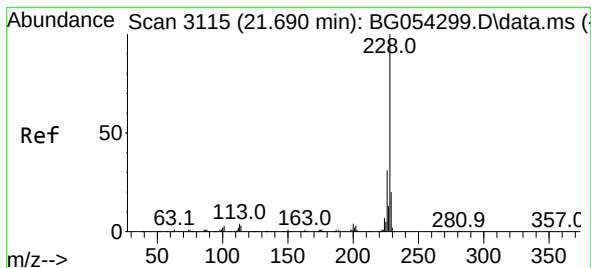
Tgt Ion:244 Resp: 524351
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.5 9.7
 122 4.1 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 9.178 ng
 RT: 21.607 min Scan# 3169
 Delta R.T. -0.012 min
 Lab File: BG054402.D
 Acq: 26 Jul 2022 17:37

Tgt Ion:228 Resp: 90325
 Ion Ratio Lower Upper
 228 100
 226 27.5 21.6 32.4
 229 20.6 16.2 24.2





#83

Chrysene

Concen: 8.989 ng

RT: 21.672 min Scan# 3115

Delta R.T. -0.018 min

Lab File: BG054402.D

Acq: 26 Jul 2022 17:37

Instrument :

BNA_G

ClientSampleId :

ENV-DE-1-(5-10)

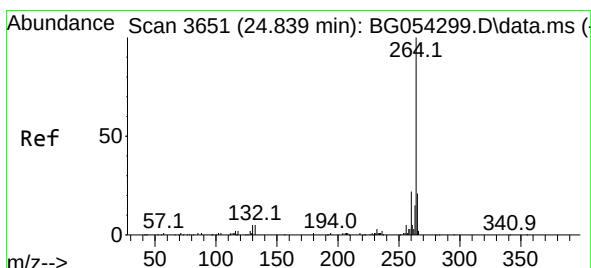
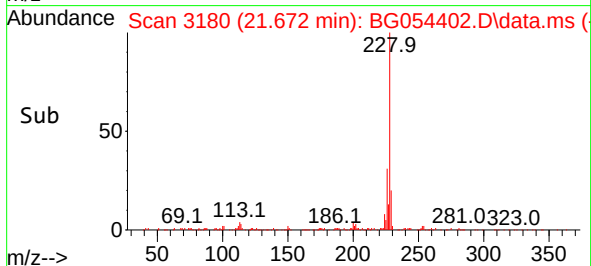
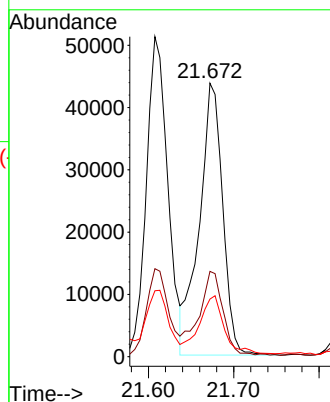
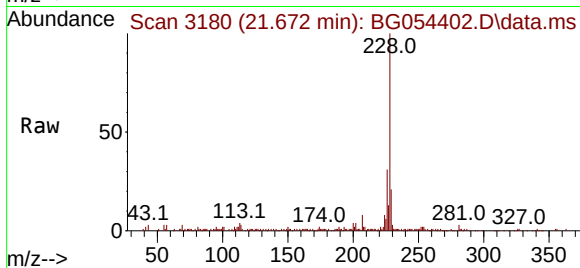
Tgt Ion:228 Resp: 83575

Ion Ratio Lower Upper

228 100

226 31.2 23.4 35.2

229 21.1 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: BG054402.D

Acq: 26 Jul 2022 17:37

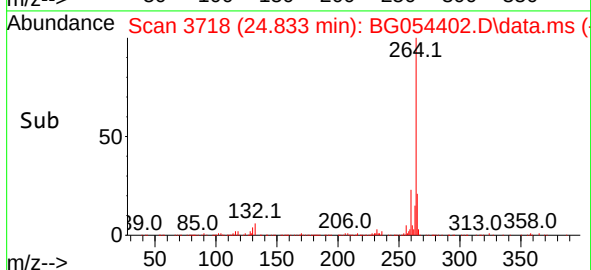
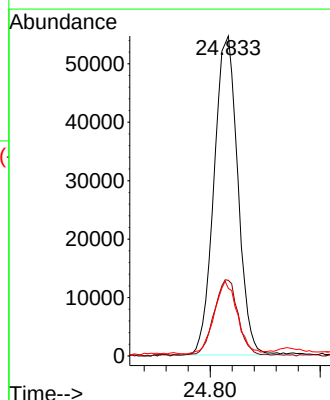
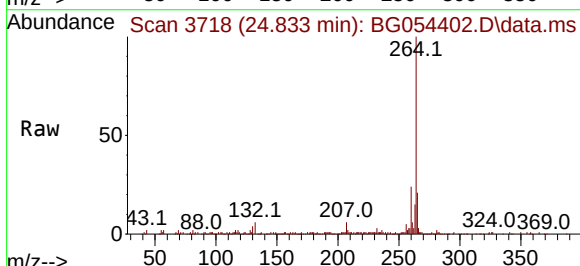
Tgt Ion:264 Resp: 163813

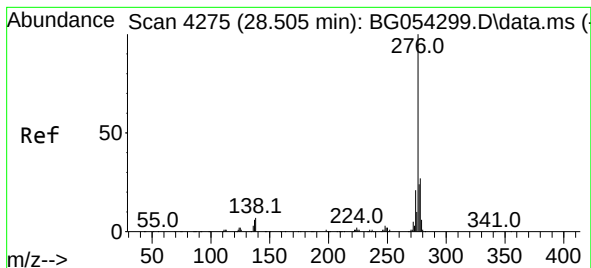
Ion Ratio Lower Upper

264 100

260 23.6 19.0 28.6

265 21.1 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.975 ng

RT: 28.488 min Scan# 41

Delta R.T. -0.018 min

Lab File: BG054402.D

Acq: 26 Jul 2022 17:37

Instrument :

BNA_G

ClientSampleId :

ENV-DE-1-(5-10)

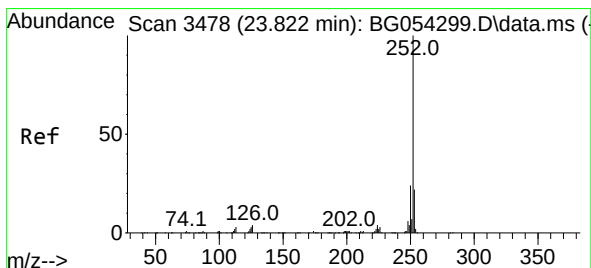
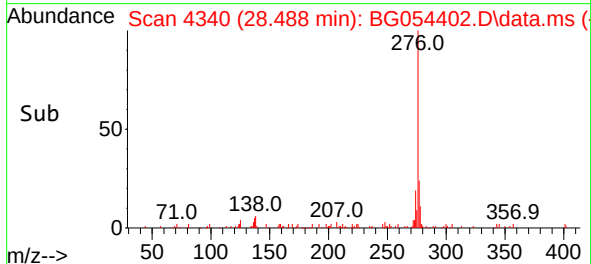
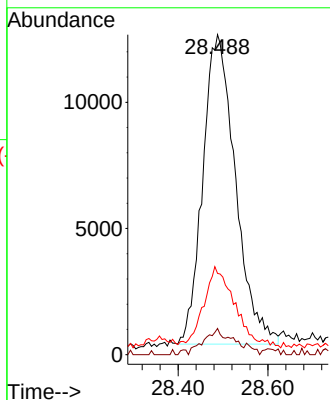
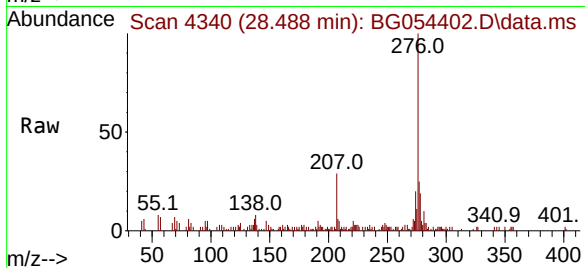
Tgt Ion:276 Resp: 62001

Ion Ratio Lower Upper

276 100

138 4.9 5.0 7.4#

277 22.5 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 12.287 ng

RT: 23.817 min Scan# 3545

Delta R.T. -0.006 min

Lab File: BG054402.D

Acq: 26 Jul 2022 17:37

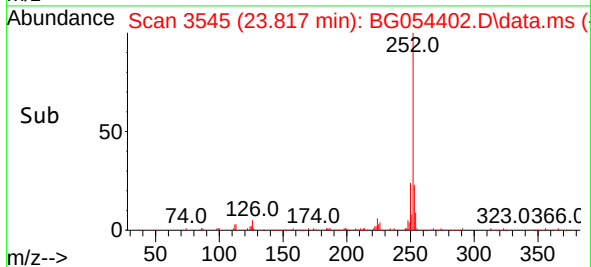
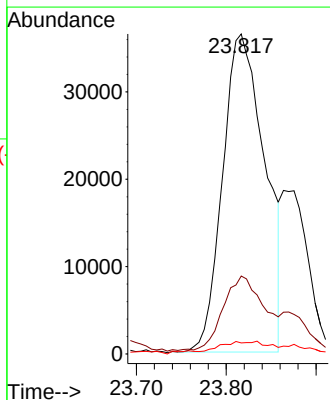
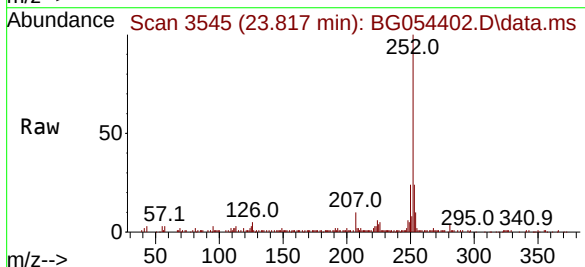
Tgt Ion:252 Resp: 119034

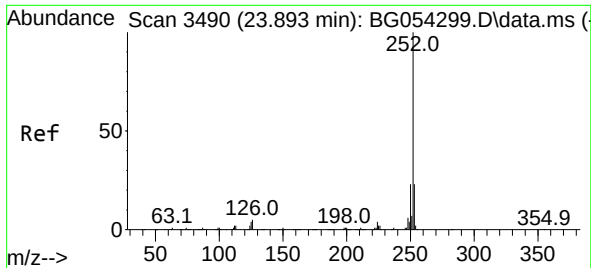
Ion Ratio Lower Upper

252 100

253 24.4 18.0 27.0

125 3.4 4.6 6.8#

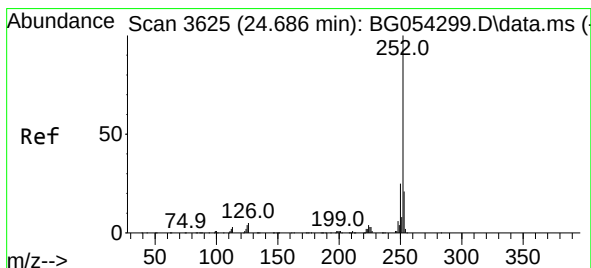
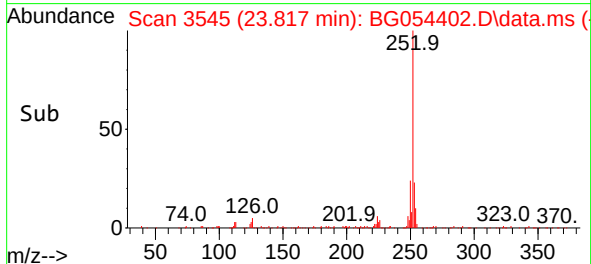
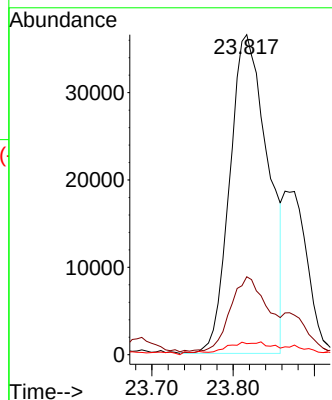
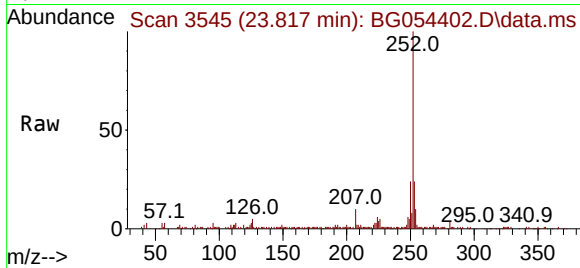




#89
Benzo(k)fluoranthene
Concen: 12.397 ng
RT: 23.817 min Scan# 311
Delta R.T. -0.076 min
Lab File: BG054402.D
Acq: 26 Jul 2022 17:37

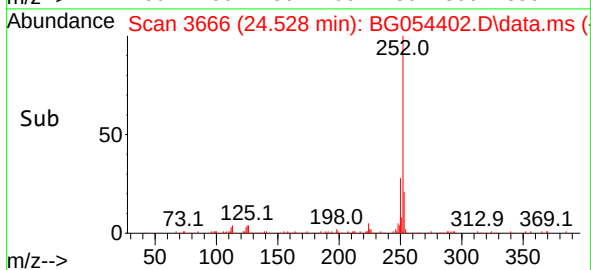
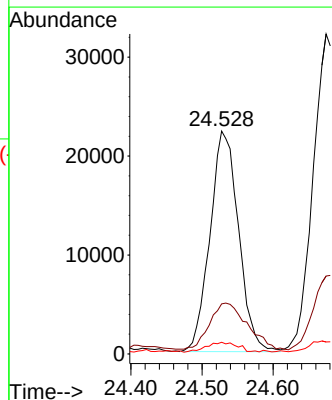
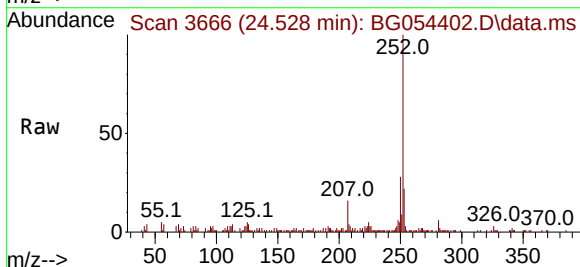
Instrument :
BNA_G
ClientSampleId :
ENV-DE-1-(5-10)

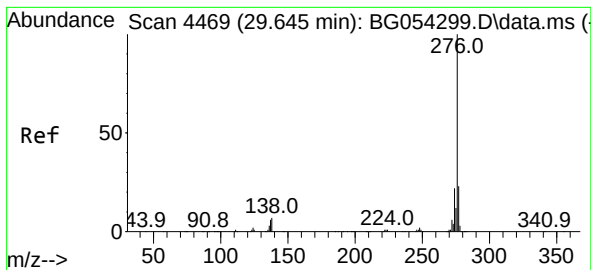
Tgt Ion:252 Resp: 119522
Ion Ratio Lower Upper
252 100
253 24.4 18.4 27.6
125 3.4 4.8 7.2#



#90
Benzo(a)pyrene
Concen: 7.528 ng
RT: 24.528 min Scan# 3666
Delta R.T. -0.159 min
Lab File: BG054402.D
Acq: 26 Jul 2022 17:37

Tgt Ion:252 Resp: 62282
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.8
125 5.2 4.3 6.5





#92

Benzo(g,h,i)perylene

Concen: 6.163 ng

RT: 29.628 min Scan# 4

Delta R.T. -0.018 min

Lab File: BG054402.D

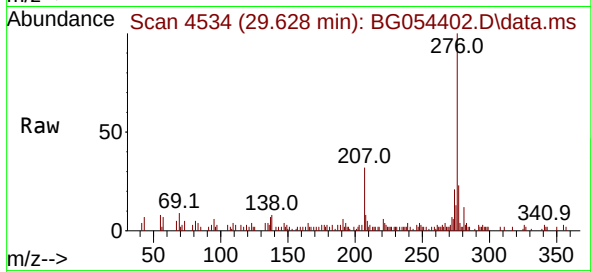
Acq: 26 Jul 2022 17:37

Instrument :

BNA_G

ClientSampleId :

ENV-DE-1-(5-10)



Tgt Ion:276 Resp: 62330

Ion Ratio Lower Upper

276 100

277 23.4 17.3 25.9

138 8.3 9.6 14.4#

