

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
 Data File : BG054404.D
 Acq On : 26 Jul 2022 19:02
 Operator : CG/JU
 Sample : N3881-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 4299E

Quant Time: Jul 27 04:34:07 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

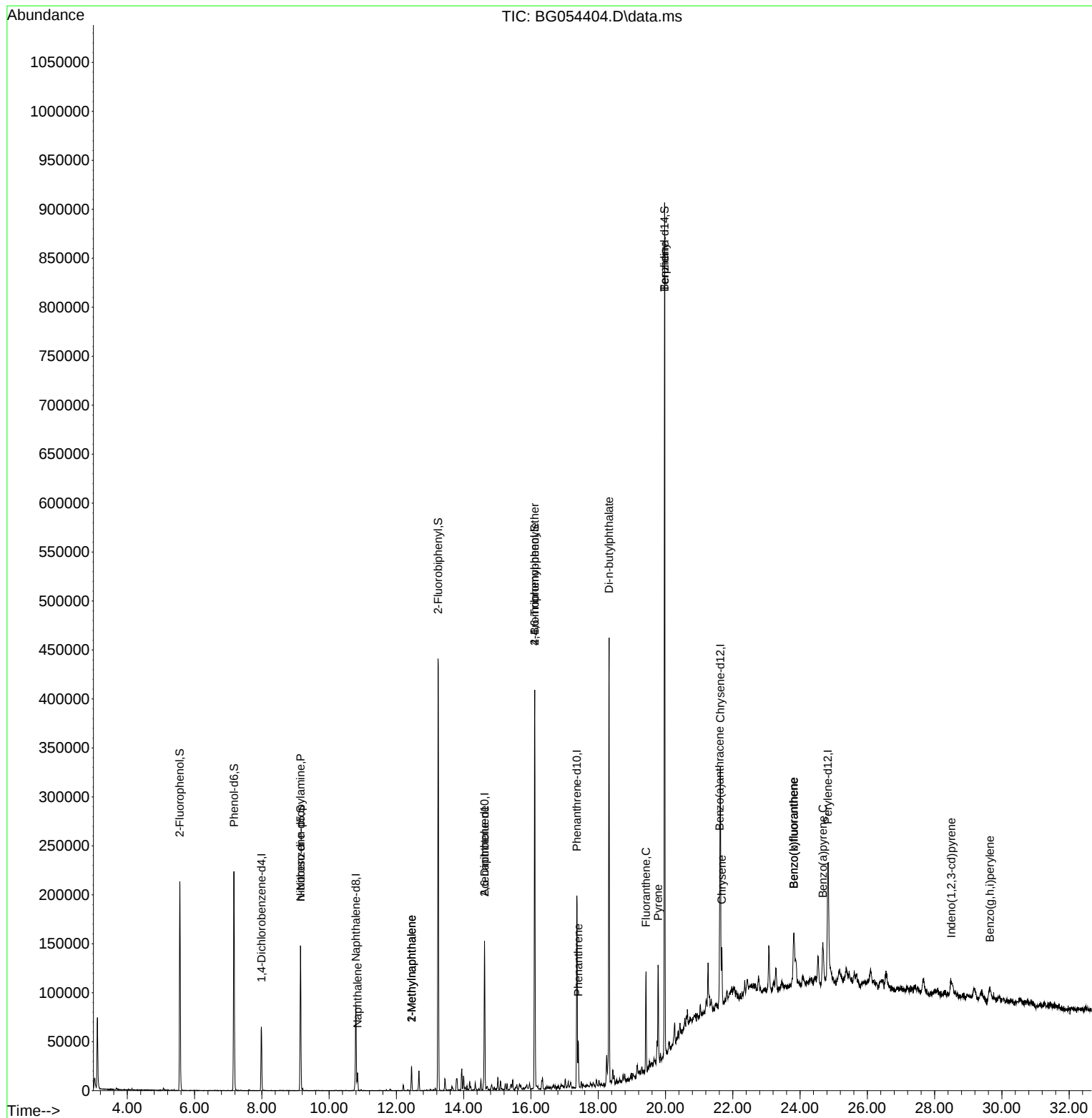
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.987	152	20591	20.000	ng	-0.01
21) Naphthalene-d8	10.796	136	78671	20.000	ng	#-0.01
39) Acenaphthene-d10	14.621	164	58830	20.000	ng	-0.01
64) Phenanthrene-d10	17.365	188	139720	20.000	ng	#-0.01
76) Chrysene-d12	21.630	240	157519	20.000	ng	#-0.01
86) Perylene-d12	24.827	264	161656	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.561	112	99613	101.005	ng	0.00
7) Phenol-d6	7.171	99	129928	96.146	ng	0.00
23) Nitrobenzene-d5	9.151	82	86777	60.068	ng	-0.01
42) 2,4,6-Tribromophenol	16.113	330	109040	88.276	ng	-0.01
45) 2-Fluorobiphenyl	13.240	172	256405	61.484	ng	-0.02
79) Terphenyl-d14	19.973	244	489458	61.643	ng	-0.01
Target Compounds						
9) Benzaldehyde	7.165	77	292	Below Cal		Qvalue # 10
19) n-Nitroso-di-n-propyla...	9.151	70	12179	13.496	ng	# 75
31) Naphthalene	10.843	128	16039	4.061	ng	95
37) 2-Methylnaphthalene	12.453	142	12833	4.232	ng	97
38) 1-Methylnaphthalene	12.453	142	12833	4.343	ng	96
51) 2,6-Dinitrotoluene	14.621	165	9710	9.634	ng	# 16
67) 4-Bromophenyl-phenylether	16.113	248	6523	3.324	ng	# 1
71) Phenanthrene	17.406	178	35316	5.076	ng	99
74) Di-n-butylphthalate	18.322	149	343493	51.780	ng	98
75) Fluoranthene	19.421	202	74543	7.859	ng	93
77) Benzidine	19.973	184	6579	2.306	ng	# 92
78) Pyrene	19.779	202	69572	7.697	ng	97
81) Benzo(a)anthracene	21.613	228	48019	4.802	ng	98
83) Chrysene	21.677	228	47598	5.038	ng	97
87) Indeno(1,2,3-cd)pyrene	28.499	276	33859	2.753	ng	# 97
88) Benzo(b)fluoranthene	23.816	252	75647	7.913	ng	# 89
89) Benzo(k)fluoranthene	23.816	252	75647	7.951	ng	# 90
90) Benzo(a)pyrene	24.680	252	52901	6.479	ng	# 89
92) Benzo(g,h,i)perylene	29.644	276	35188	3.526	ng	# 85

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
Data File : BG054404.D
Acq On : 26 Jul 2022 19:02
Operator : CG/JU
Sample : N3881-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
4299E

Quant Time: Jul 27 04:34:07 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

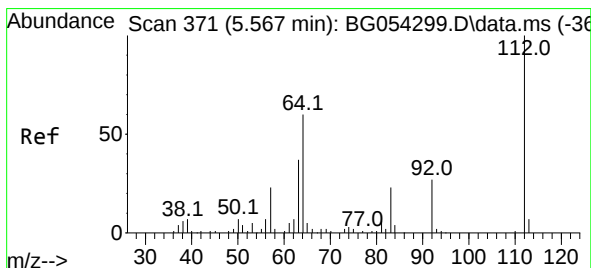
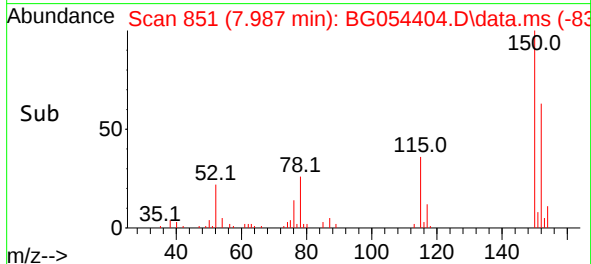
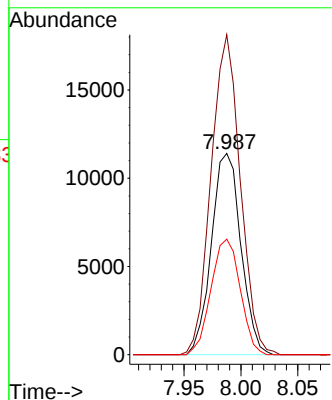
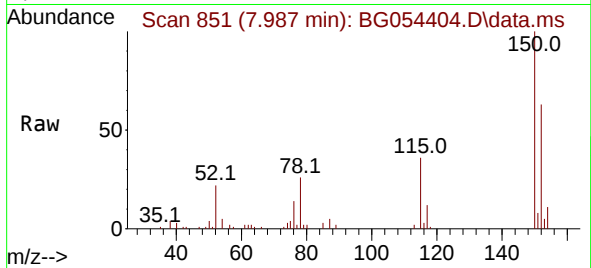




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.987 min Scan# 81
Delta R.T. -0.013 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02

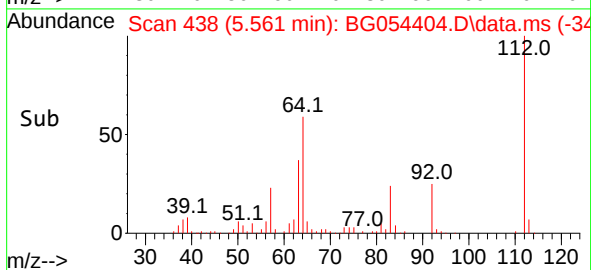
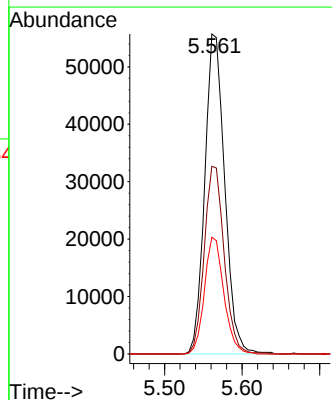
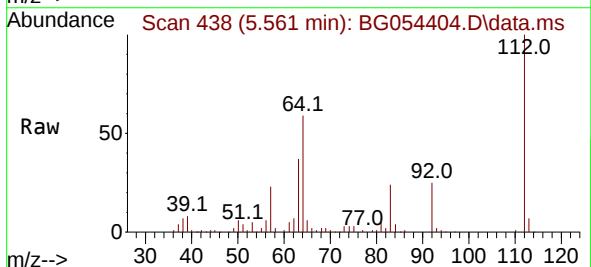
Instrument :
BNA_G
ClientSampleId :
4299E

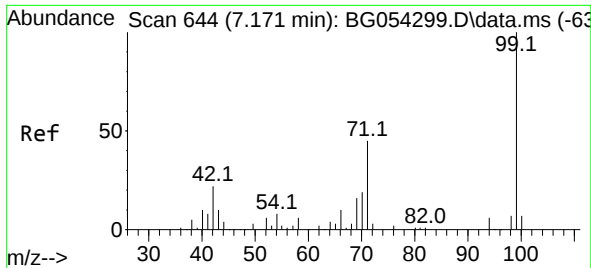
Tgt Ion:152 Resp: 20591
Ion Ratio Lower Upper
152 100
150 159.0 131.6 197.4
115 57.4 50.9 76.3



#5
2-Fluorophenol
Concen: 101.005 ng
RT: 5.561 min Scan# 438
Delta R.T. -0.007 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02

Tgt Ion:112 Resp: 99613
Ion Ratio Lower Upper
112 100
64 58.6 55.1 82.7
63 36.5 30.4 45.6

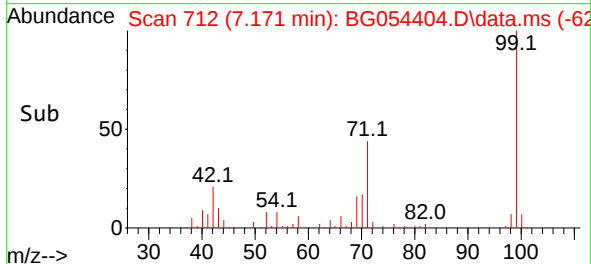
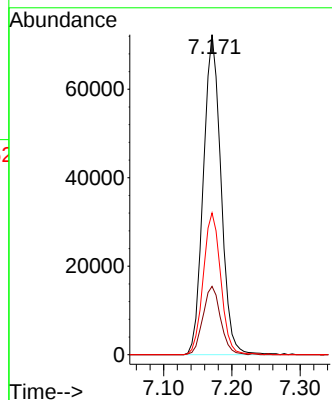
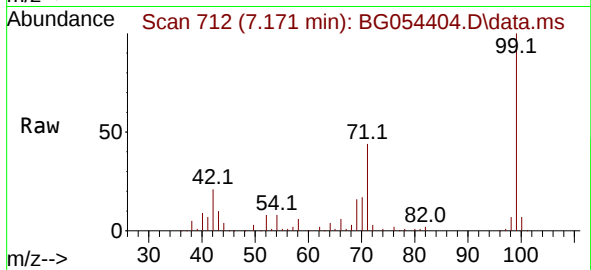




#7
Phenol-d6
Concen: 96.146 ng
RT: 7.171 min Scan# 71
Delta R.T. -0.001 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02

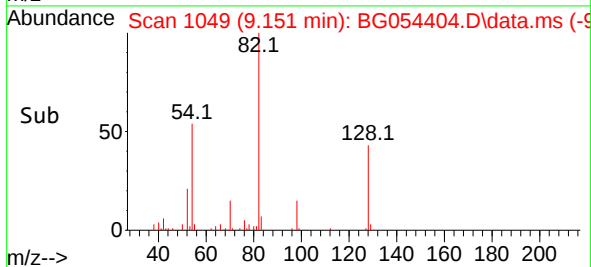
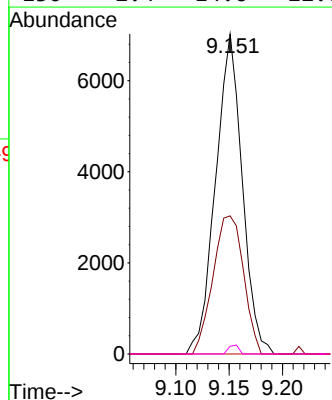
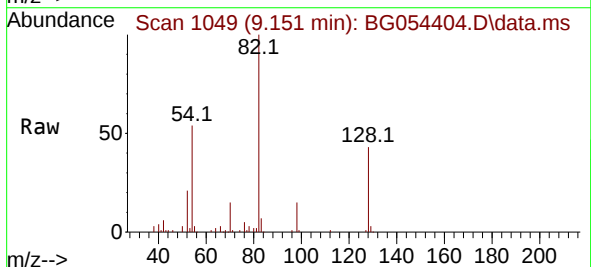
Instrument :
BNA_G
ClientSampleId :
4299E

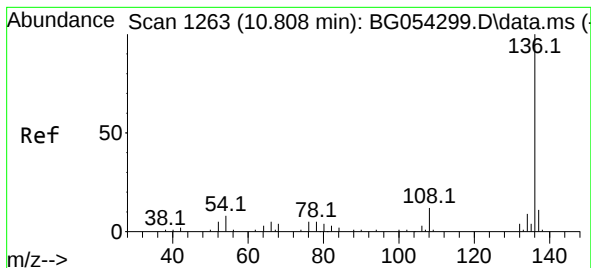
Tgt Ion: 99 Resp: 129928
Ion Ratio Lower Upper
99 100
42 21.3 17.0 25.6
71 44.3 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 13.496 ng
RT: 9.151 min Scan# 1049
Delta R.T. 0.346 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02

Tgt Ion: 70 Resp: 12179
Ion Ratio Lower Upper
70 100
42 43.1 47.3 70.9#
101 0.0 7.0 10.4#
130 2.4 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: BG054404.D

Acq: 26 Jul 2022 19:02

Instrument :

BNA_G

ClientSampleId :

4299E

Tgt Ion:136 Resp: 78671

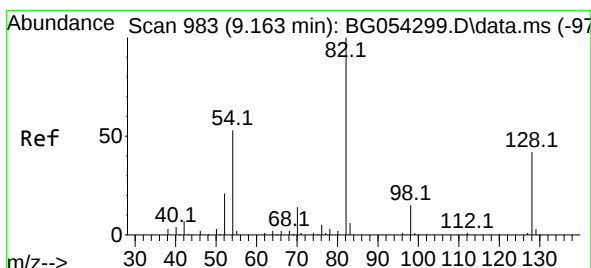
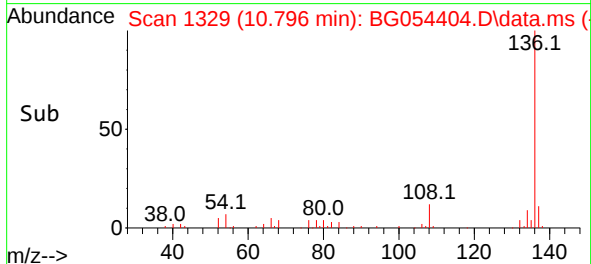
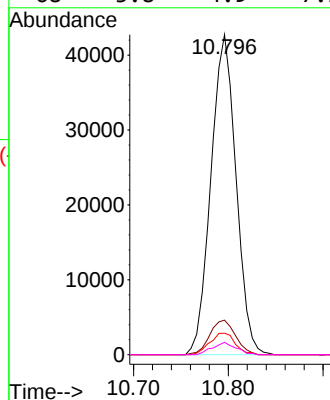
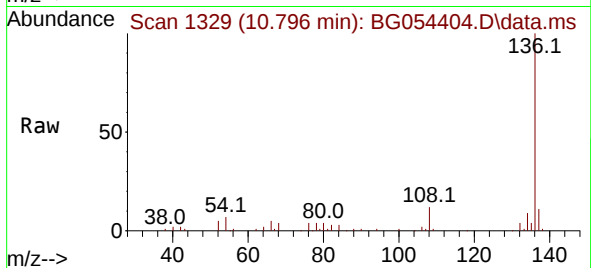
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 6.7 7.4 11.2#

68 3.8 4.9 7.3#



#23

Nitrobenzene-d5

Concen: 60.068 ng

RT: 9.151 min Scan# 1049

Delta R.T. -0.012 min

Lab File: BG054404.D

Acq: 26 Jul 2022 19:02

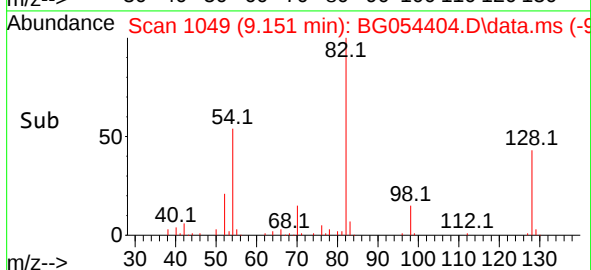
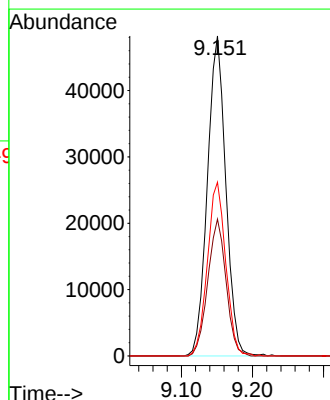
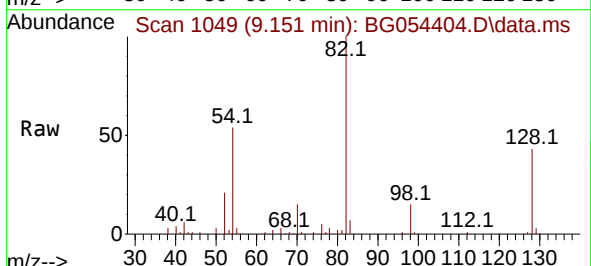
Tgt Ion: 82 Resp: 86777

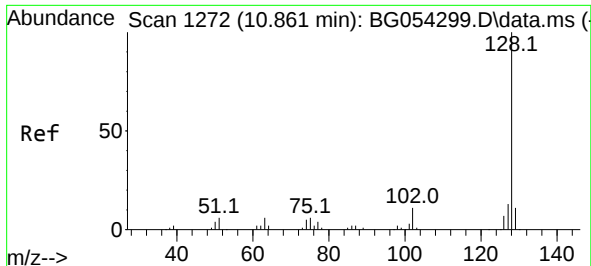
Ion Ratio Lower Upper

82 100

128 42.8 27.9 41.9#

54 54.3 41.2 61.8

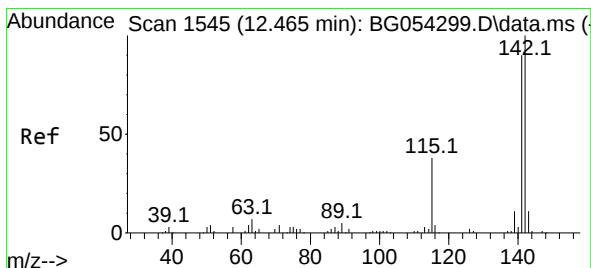
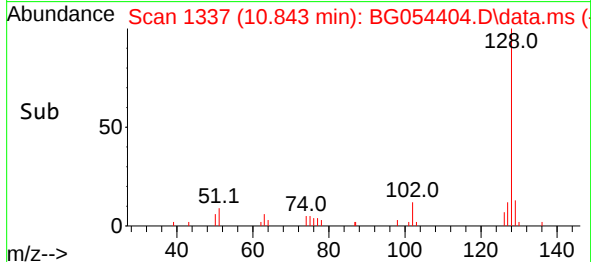
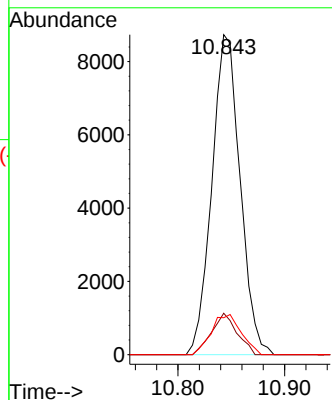
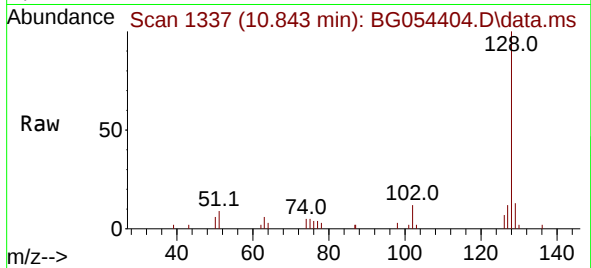




#31
Naphthalene
Concen: 4.061 ng
RT: 10.843 min Scan# 1610
Delta R.T. -0.018 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02

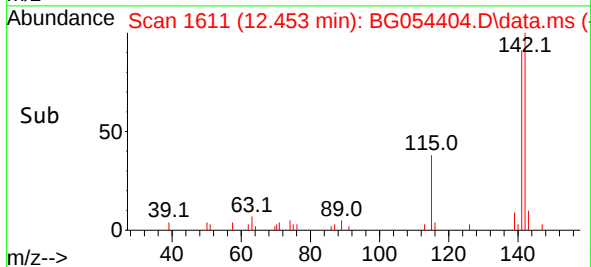
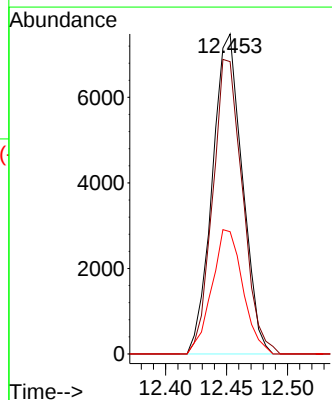
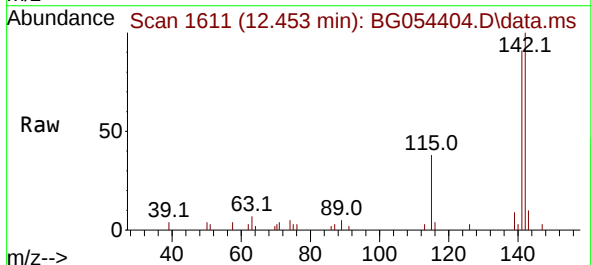
Instrument :
BNA_G
ClientSampleId :
4299E

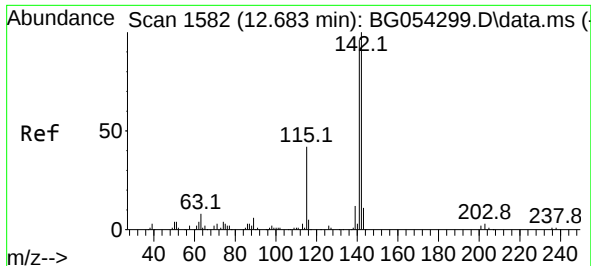
Tgt Ion:128 Resp: 16039
Ion Ratio Lower Upper
128 100
129 13.0 9.0 13.6
127 11.6 11.1 16.7



#37
2-Methylnaphthalene
Concen: 4.232 ng
RT: 12.453 min Scan# 1611
Delta R.T. -0.012 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02

Tgt Ion:142 Resp: 12833
Ion Ratio Lower Upper
142 100
141 91.4 72.3 108.5
115 38.2 33.7 50.5

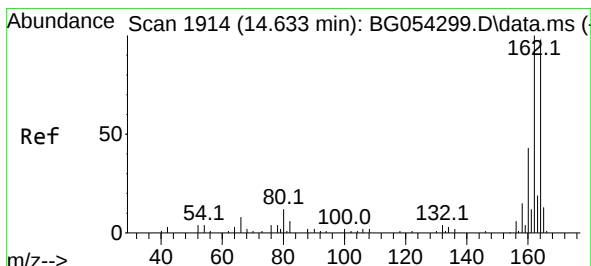
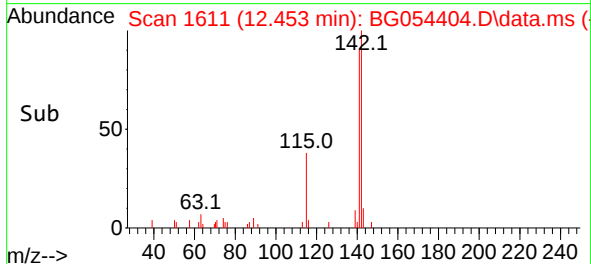
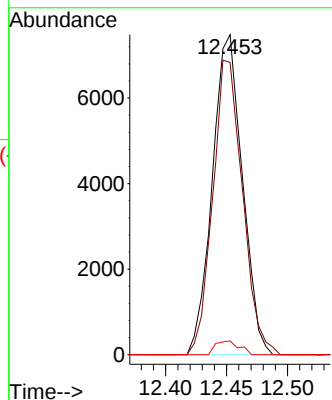
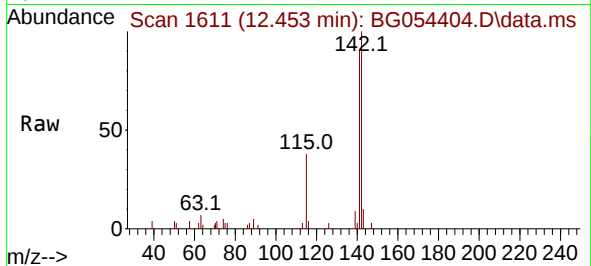




#38
1-Methylnaphthalene
Concen: 4.343 ng
RT: 12.453 min Scan# 1
Delta R.T. -0.230 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02

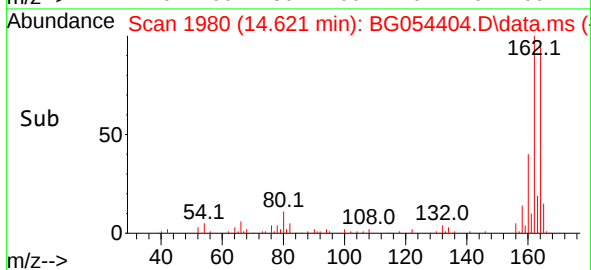
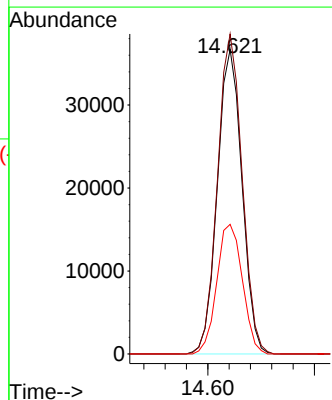
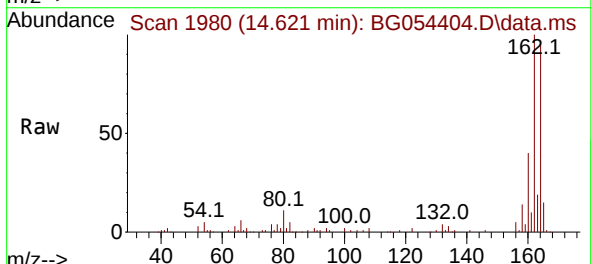
Instrument :
BNA_G
ClientSampleId :
4299E

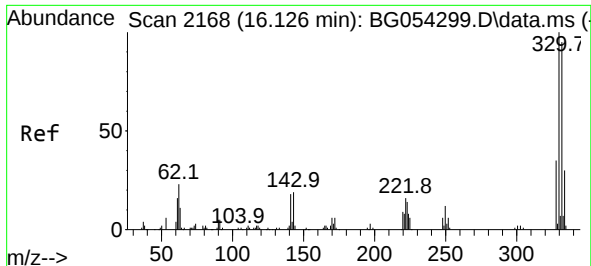
Tgt Ion:142 Resp: 12833
Ion Ratio Lower Upper
142 100
141 91.4 76.4 114.6
116 4.3 3.3 4.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.621 min Scan# 1980
Delta R.T. -0.012 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02

Tgt Ion:164 Resp: 58830
Ion Ratio Lower Upper
164 100
162 105.1 82.3 123.5
160 42.5 34.2 51.2

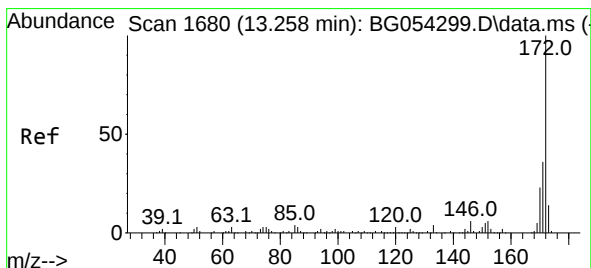
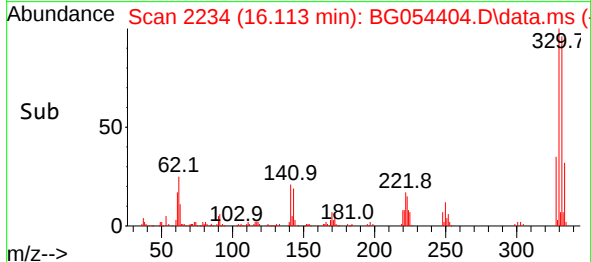
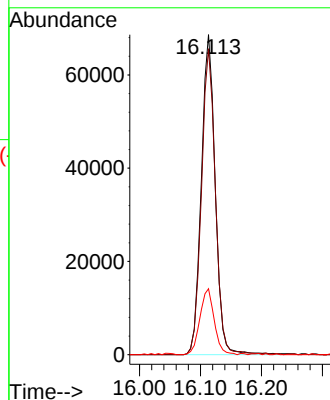
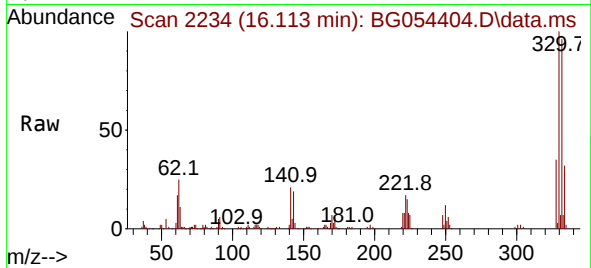




#42
2,4,6-Tribromophenol
Concen: 88.276 ng
RT: 16.113 min Scan# 2168
Delta R.T. -0.012 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02

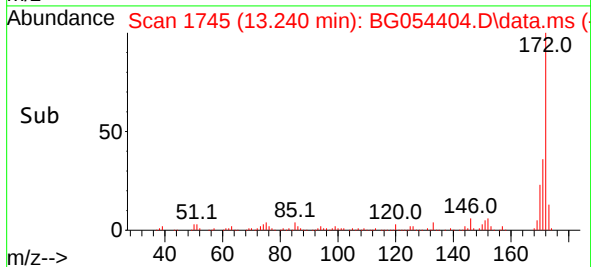
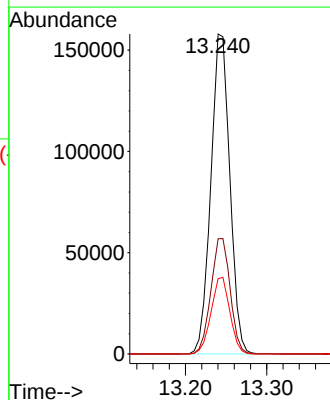
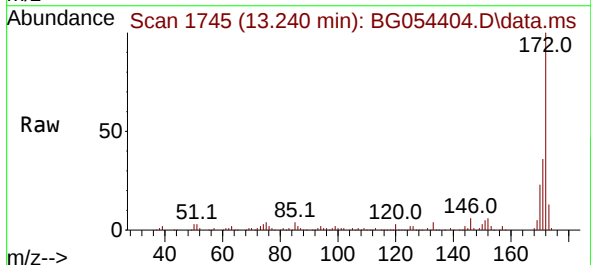
Instrument :
BNA_G
ClientSampleId :
4299E

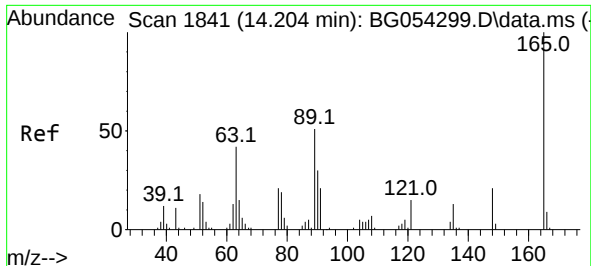
Tgt Ion:330 Resp: 109040
Ion Ratio Lower Upper
330 100
332 96.1 76.0 114.0
141 21.2 27.1 40.7#



#45
2-Fluorobiphenyl
Concen: 61.484 ng
RT: 13.240 min Scan# 1745
Delta R.T. -0.018 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02

Tgt Ion:172 Resp: 256405
Ion Ratio Lower Upper
172 100
171 36.0 28.5 42.7
170 23.5 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 9.634 ng

RT: 14.621 min Scan# 14299E

Delta R.T. 0.417 min

Lab File: BG054404.D

Acq: 26 Jul 2022 19:02

Instrument :

BNA_G

ClientSampleId :

4299E

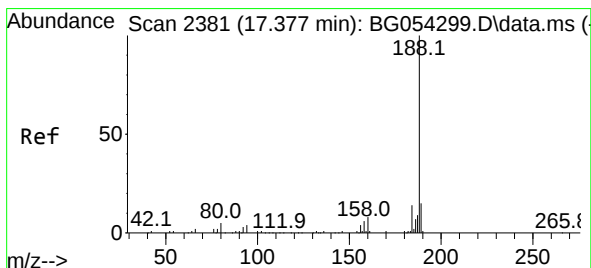
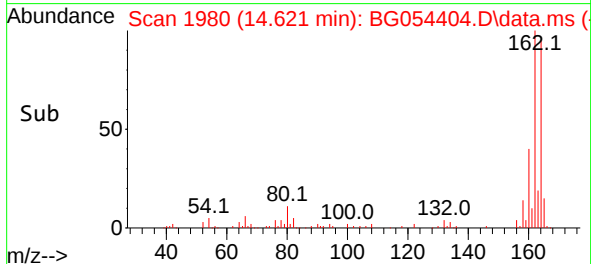
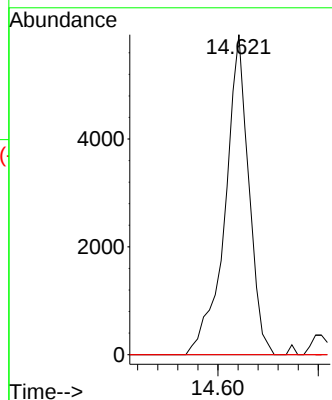
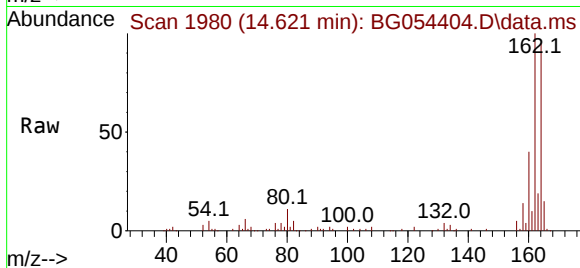
Tgt Ion:165 Resp: 9710

Ion Ratio Lower Upper

165 100

63 0.0 54.1 81.1#

89 0.0 54.8 82.2#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.365 min Scan# 2447

Delta R.T. -0.012 min

Lab File: BG054404.D

Acq: 26 Jul 2022 19:02

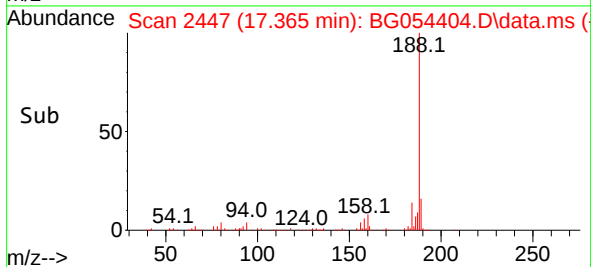
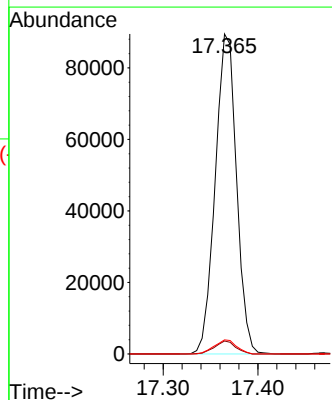
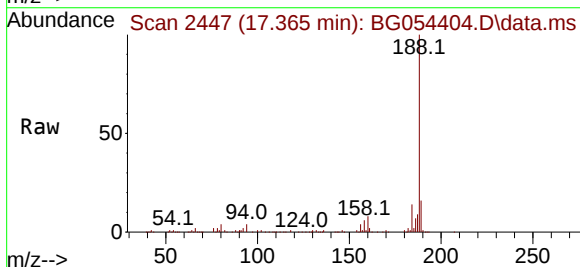
Tgt Ion:188 Resp: 139720

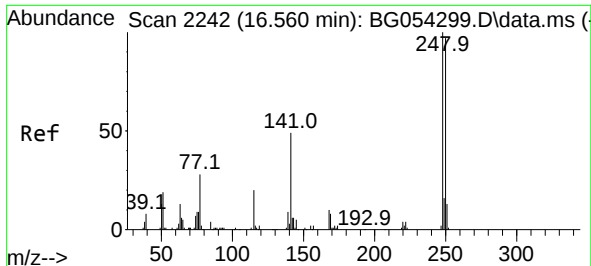
Ion Ratio Lower Upper

188 100

94 4.1 5.4 8.0#

80 4.4 6.8 10.2#

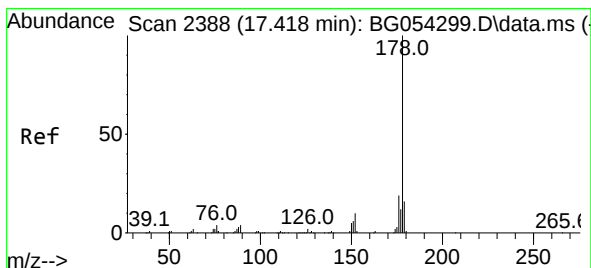
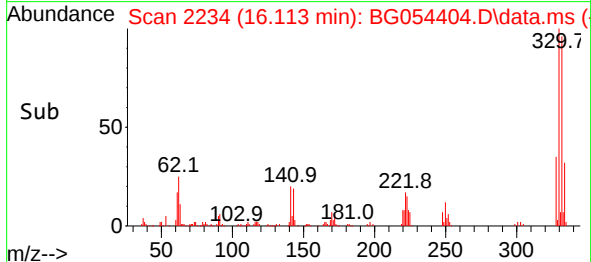
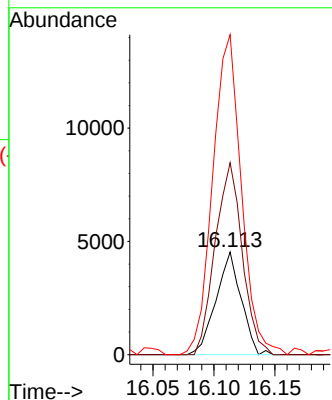
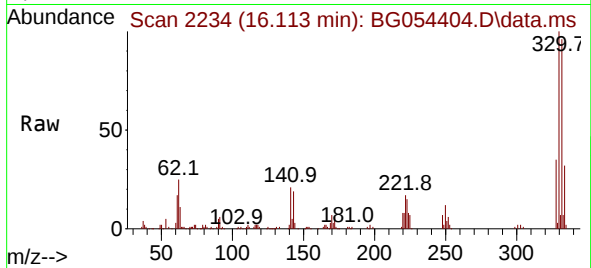




#67
4-Bromophenyl-phenylether
Concen: 3.324 ng
RT: 16.113 min Scan# 21
Delta R.T. -0.447 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02

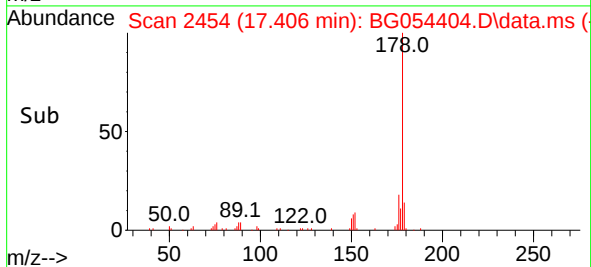
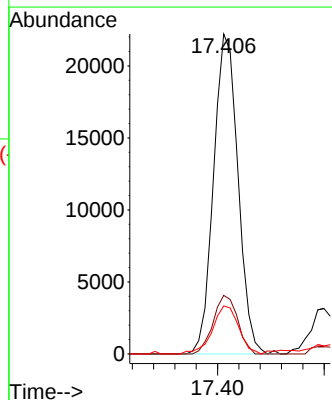
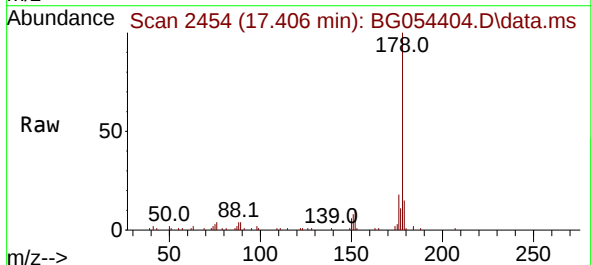
Instrument :
BNA_G
ClientSampleId :
4299E

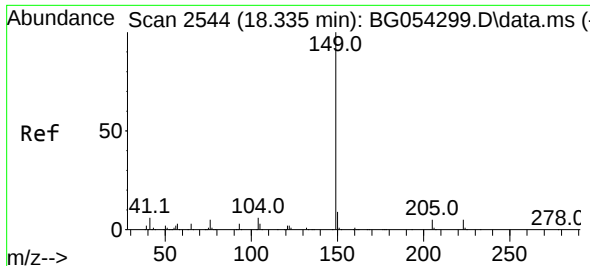
Tgt Ion:248 Resp: 6523
Ion Ratio Lower Upper
248 100
250 143.5 75.2 112.8#
141 239.3 50.0 75.0#



#71
Phenanthrene
Concen: 5.076 ng
RT: 17.406 min Scan# 2454
Delta R.T. -0.012 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02

Tgt Ion:178 Resp: 35316
Ion Ratio Lower Upper
178 100
176 18.3 14.1 21.1
179 15.0 12.1 18.1

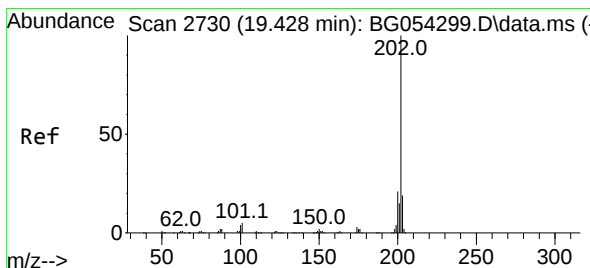
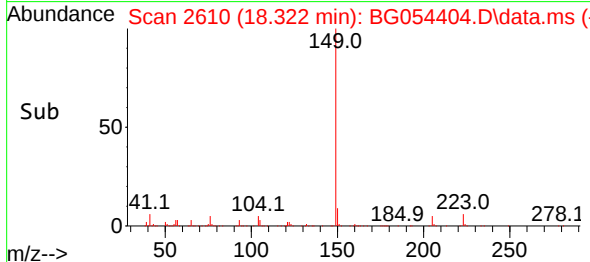
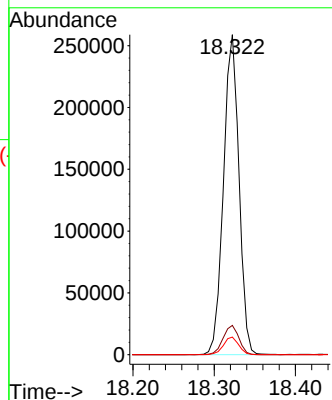
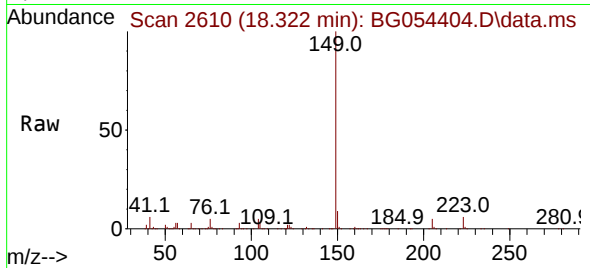




#74
Di-n-butylphthalate
Concen: 51.780 ng
RT: 18.322 min Scan# 20
Delta R.T. -0.012 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02

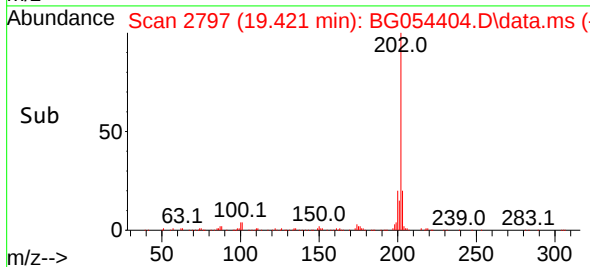
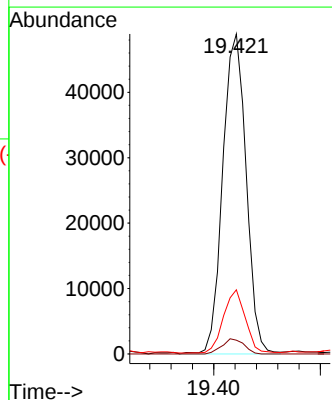
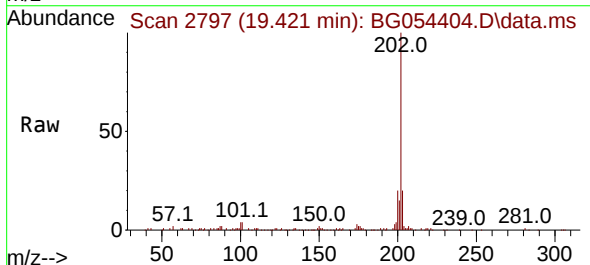
Instrument :
BNA_G
ClientSampleId :
4299E

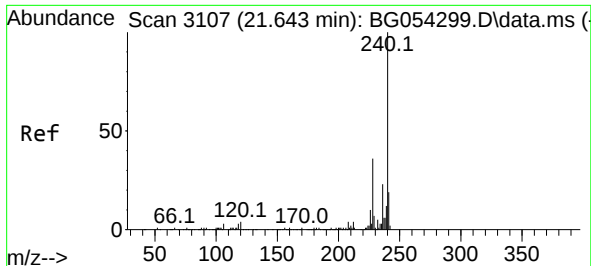
Tgt Ion:149 Resp: 343493
Ion Ratio Lower Upper
149 100
150 9.1 7.7 11.5
104 5.5 5.4 8.0



#75
Fluoranthene
Concen: 7.859 ng
RT: 19.421 min Scan# 2797
Delta R.T. -0.007 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02

Tgt Ion:202 Resp: 74543
Ion Ratio Lower Upper
202 100
101 4.3 0.0 26.9
203 20.0 0.0 37.2

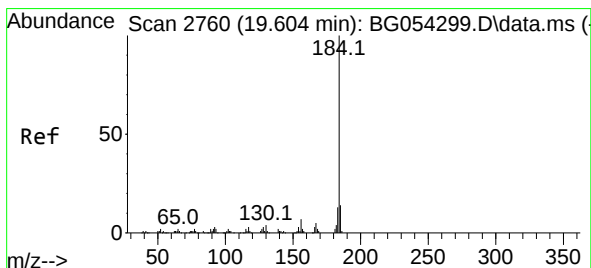
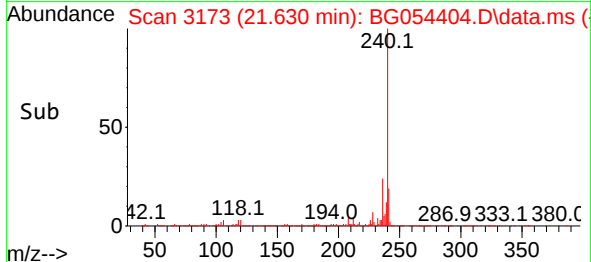
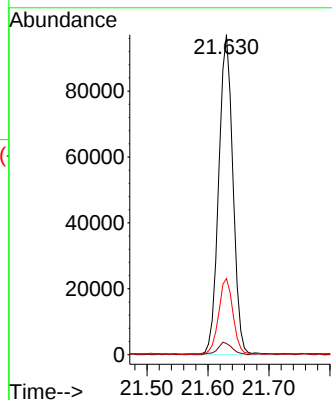
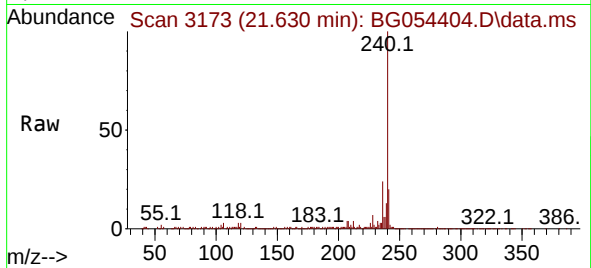




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 31
Delta R.T. -0.013 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02

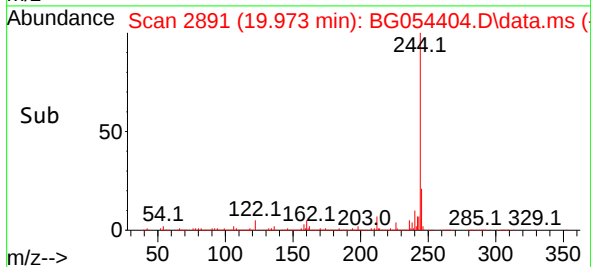
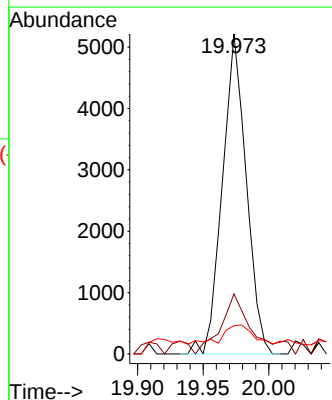
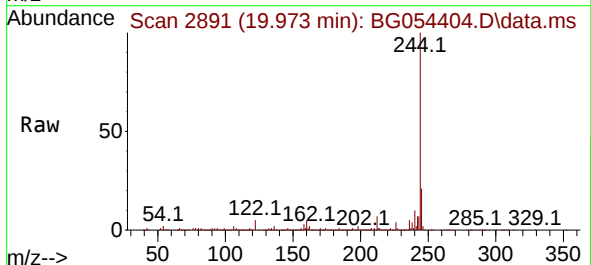
Instrument :
BNA_G
ClientSampleId :
4299E

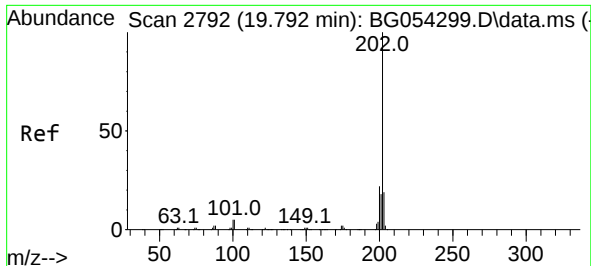
Tgt Ion:240 Resp: 157519
Ion Ratio Lower Upper
240 100
120 3.5 4.6 7.0#
236 23.8 20.2 30.4



#77
Benzidine
Concen: 2.306 ng
RT: 19.973 min Scan# 2891
Delta R.T. 0.370 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02

Tgt Ion:184 Resp: 6579
Ion Ratio Lower Upper
184 100
185 18.8 11.8 17.6#
183 8.8 8.9 13.3#

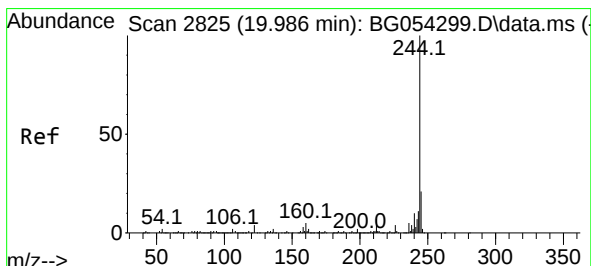
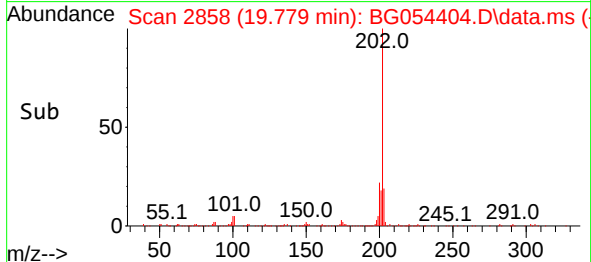
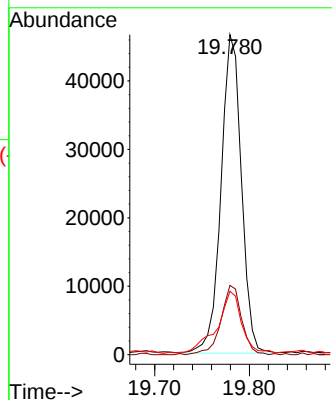
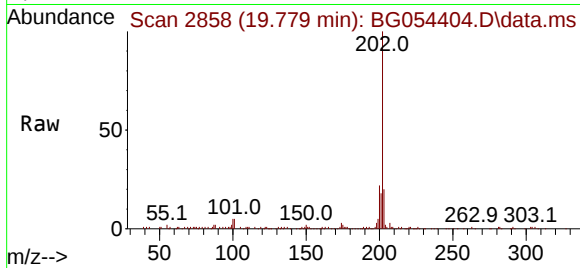




#78
 Pyrene
 Concen: 7.697 ng
 RT: 19.779 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BG054404.D
 Acq: 26 Jul 2022 19:02

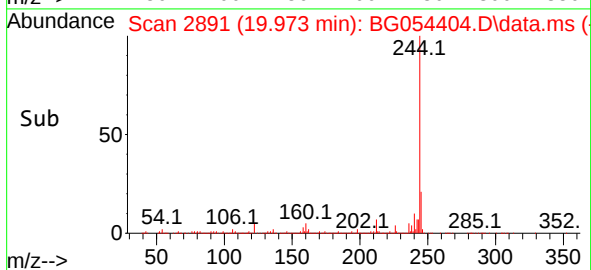
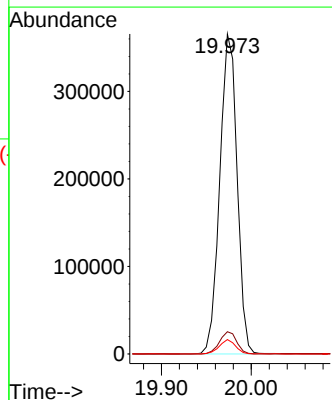
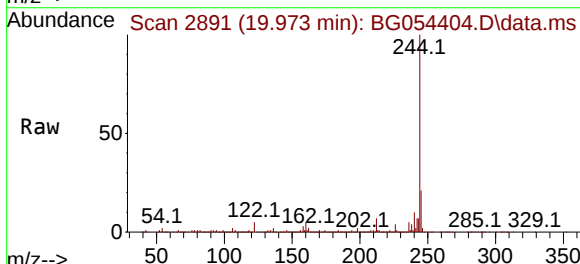
Instrument :
 BNA_G
 ClientSampleId :
 4299E

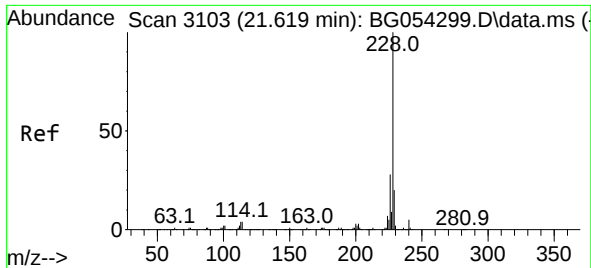
Tgt Ion:202 Resp: 69572
 Ion Ratio Lower Upper
 202 100
 200 21.7 16.6 24.8
 203 19.8 14.6 21.8



#79
 Terphenyl-d14
 Concen: 61.643 ng
 RT: 19.973 min Scan# 2891
 Delta R.T. -0.012 min
 Lab File: BG054404.D
 Acq: 26 Jul 2022 19:02

Tgt Ion:244 Resp: 489458
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.5 9.7
 122 4.5 5.0 7.4#

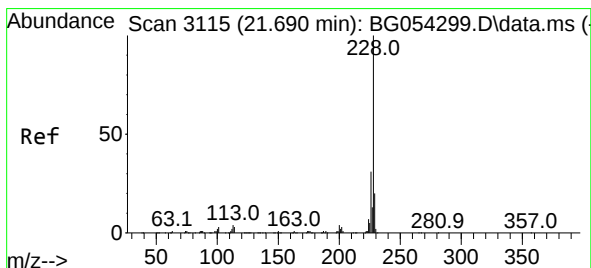
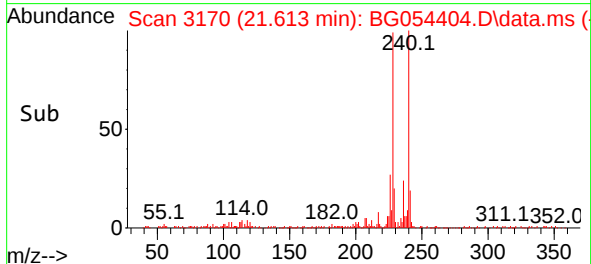
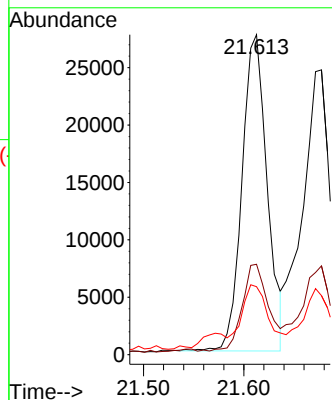
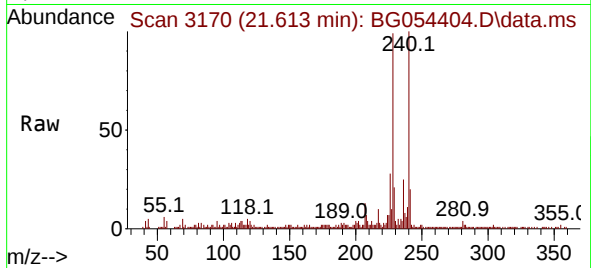




#81
Benzo(a)anthracene
Concen: 4.802 ng
RT: 21.613 min Scan# 3103
Delta R.T. -0.007 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02

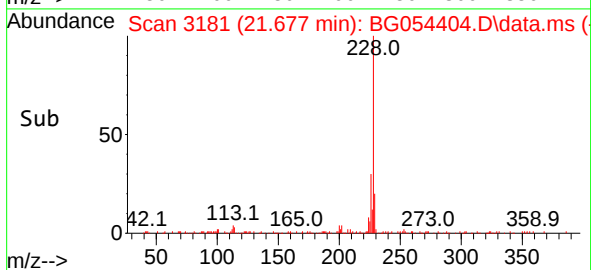
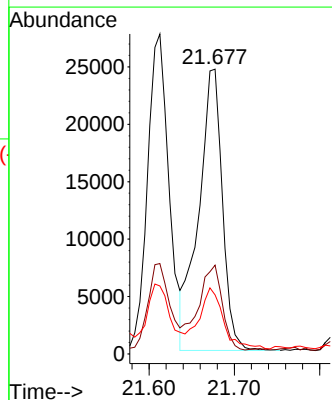
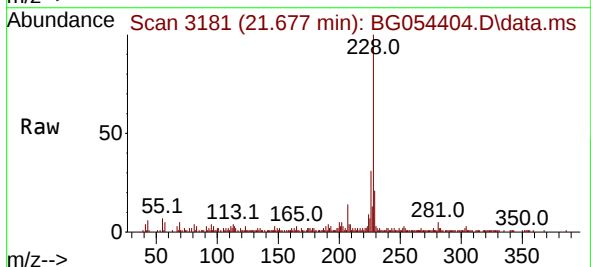
Instrument :
BNA_G
ClientSampleId :
4299E

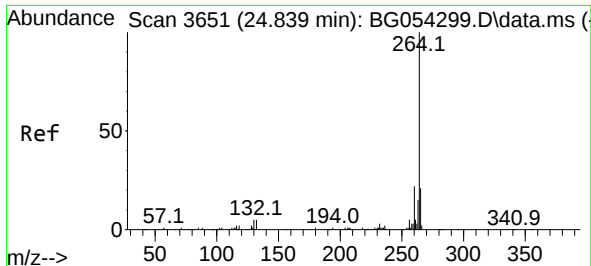
Tgt Ion:228 Resp: 48019
Ion Ratio Lower Upper
228 100
226 28.2 21.6 32.4
229 21.2 16.2 24.2



#83
Chrysene
Concen: 5.038 ng
RT: 21.677 min Scan# 3181
Delta R.T. -0.012 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02

Tgt Ion:228 Resp: 47598
Ion Ratio Lower Upper
228 100
226 31.2 23.4 35.2
229 20.7 15.5 23.3

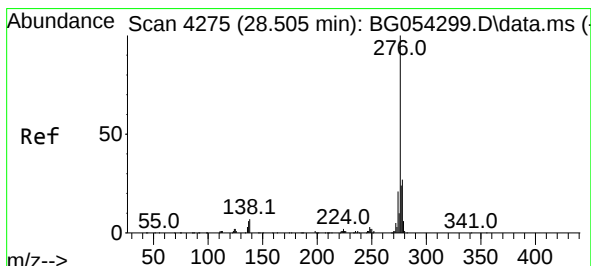
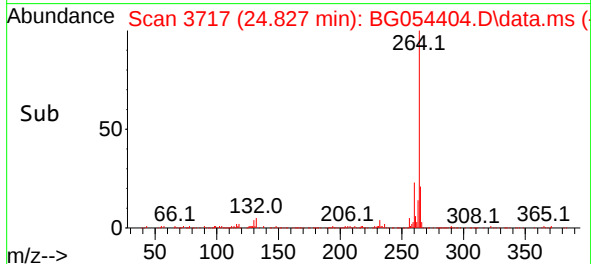
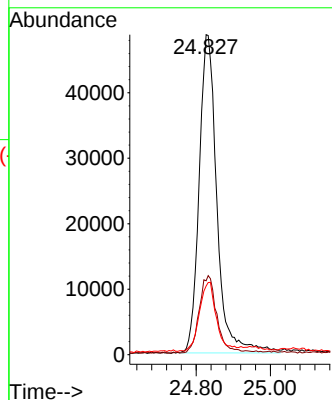
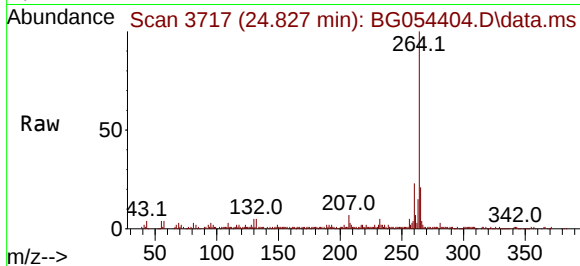




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.827 min Scan# 31
Delta R.T. -0.012 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02

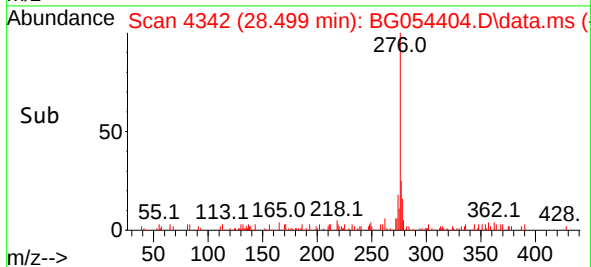
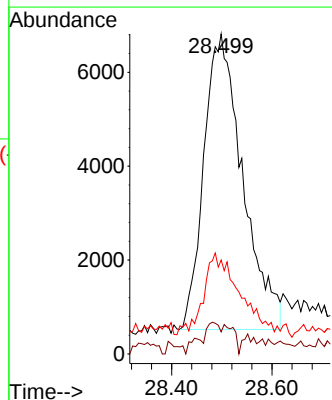
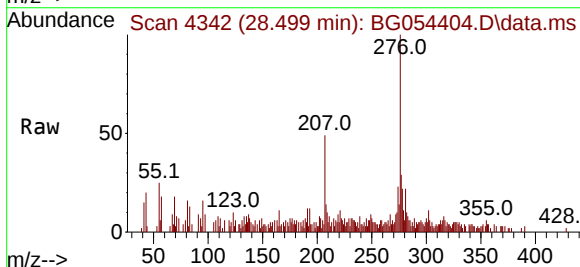
Instrument :
BNA_G
ClientSampleId :
4299E

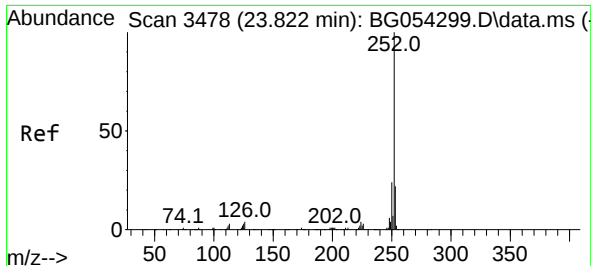
Tgt Ion:264 Resp: 161656
Ion Ratio Lower Upper
264 100
260 23.1 19.0 28.6
265 21.4 17.4 26.2



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.753 ng
RT: 28.499 min Scan# 4342
Delta R.T. -0.006 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02

Tgt Ion:276 Resp: 33859
Ion Ratio Lower Upper
276 100
138 2.3 5.0 7.4#
277 25.8 20.3 30.5

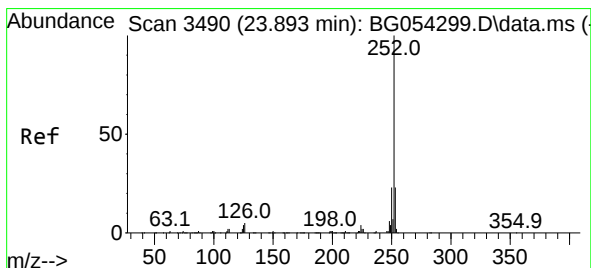
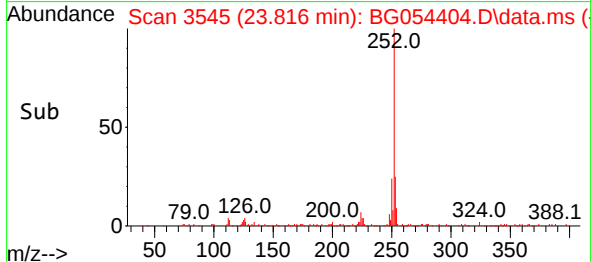
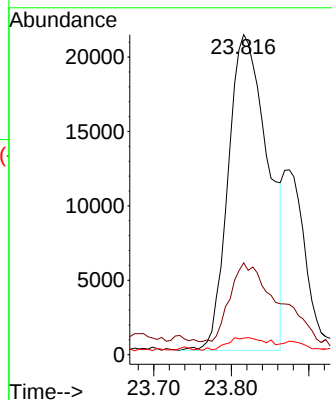
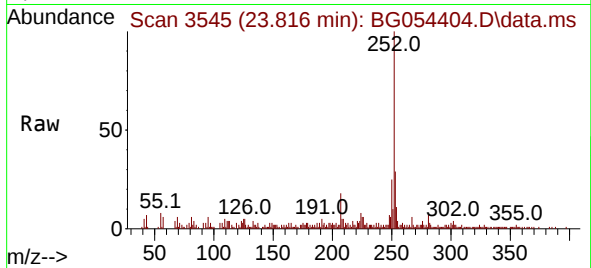




#88
Benzo(b)fluoranthene
Concen: 7.913 ng
RT: 23.816 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02

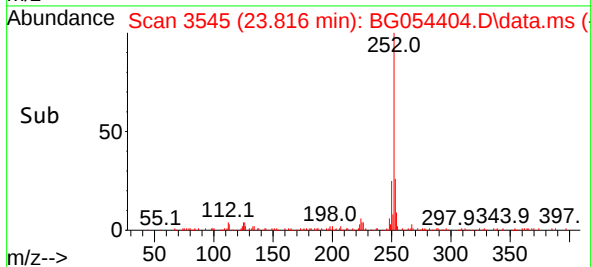
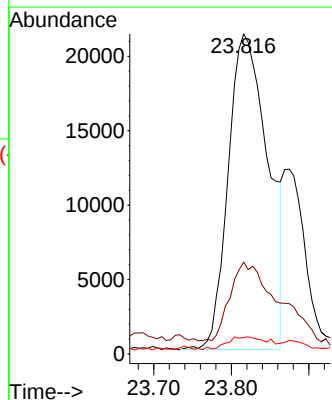
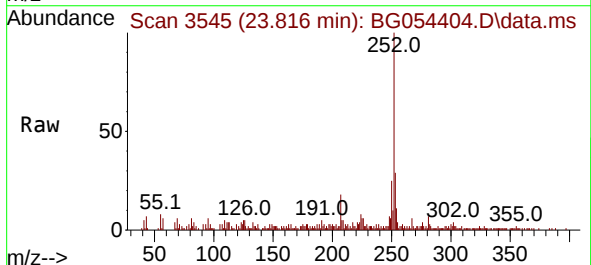
Instrument :
BNA_G
ClientSampleId :
4299E

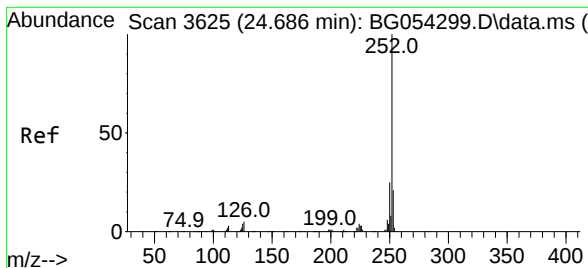
Tgt Ion:252 Resp: 75647
Ion Ratio Lower Upper
252 100
253 28.7 18.0 27.0#
125 5.2 4.6 6.8



#89
Benzo(k)fluoranthene
Concen: 7.951 ng
RT: 23.816 min Scan# 3545
Delta R.T. -0.077 min
Lab File: BG054404.D
Acq: 26 Jul 2022 19:02

Tgt Ion:252 Resp: 75647
Ion Ratio Lower Upper
252 100
253 28.7 18.4 27.6#
125 5.2 4.8 7.2





#90

Benzo(a)pyrene

Concen: 6.479 ng

RT: 24.680 min Scan# 3

Delta R.T. -0.007 min

Lab File: BG054404.D

Acq: 26 Jul 2022 19:02

Instrument :

BNA_G

ClientSampleId :

4299E

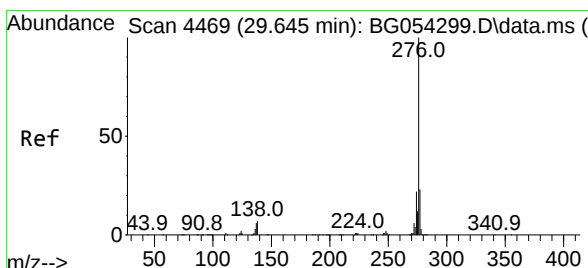
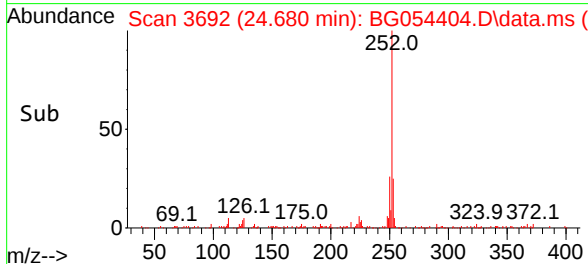
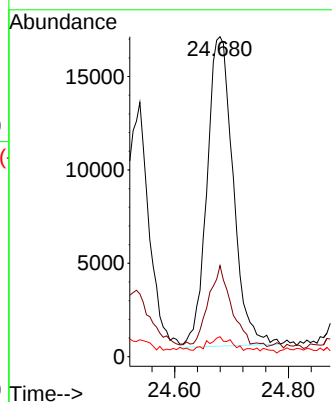
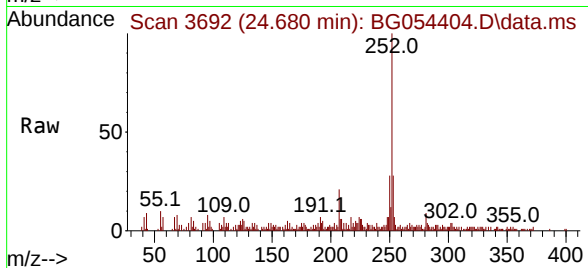
Tgt Ion:252 Resp: 52901

Ion Ratio Lower Upper

252 100

253 28.4 17.8 26.8#

125 6.3 4.3 6.5



#92

Benzo(g,h,i)perylene

Concen: 3.526 ng

RT: 29.644 min Scan# 4537

Delta R.T. -0.001 min

Lab File: BG054404.D

Acq: 26 Jul 2022 19:02

Tgt Ion:276 Resp: 35188

Ion Ratio Lower Upper

276 100

277 30.0 17.3 25.9#

138 7.9 9.6 14.4#

