

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072722\
 Data File : BG054421.D
 Acq On : 27 Jul 2022 18:29
 Operator : CG/JU
 Sample : N3836-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-2

Quant Time: Jul 28 04:34:25 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 04:30:50 2022
 Response via : Initial Calibration

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

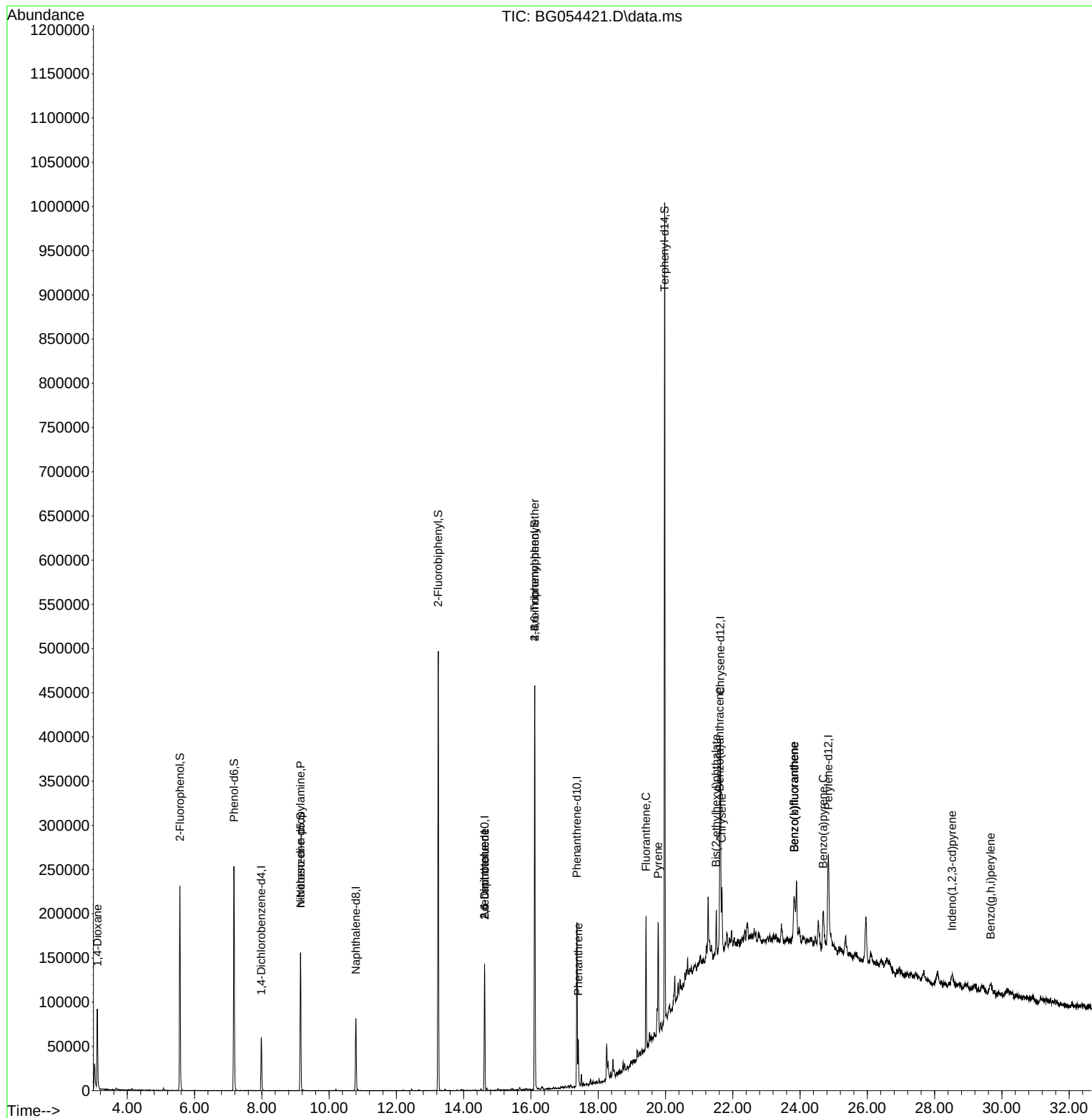
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.982	152	18864	20.000	ng	0.00
21) Naphthalene-d8	10.797	136	73050	20.000	ng	# 0.00
39) Acenaphthene-d10	14.621	164	55883	20.000	ng	0.00
64) Phenanthrene-d10	17.365	188	134533	20.000	ng	# 0.00
76) Chrysene-d12	21.631	240	148319	20.000	ng	# 0.00
86) Perylene-d12	24.839	264	148672	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.567	112	107181	118.629	ng	0.00
7) Phenol-d6	7.171	99	145195	117.280	ng	0.00
23) Nitrobenzene-d5	9.151	82	96545	71.972	ng	0.00
42) 2,4,6-Tribromophenol	16.114	330	123721	105.444	ng	0.00
45) 2-Fluorobiphenyl	13.247	172	288727	72.885	ng	0.00
79) Terphenyl-d14	19.974	244	544587	72.840	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.111	88	1162	3.233	ng	# 1
9) Benzaldehyde	7.177	77	152	Below Cal		# 10
19) n-Nitroso-di-n-propyla...	9.151	70	13602	16.453	ng	# 84
51) 2,6-Dinitrotoluene	14.621	165	7966	8.320	ng	# 16
57) 2,4-Dinitrotoluene	14.621	165	7966	5.804	ng	# 21
67) 4-Bromophenyl-phenylether	16.114	248	7521	3.981	ng	# 1
71) Phenanthrene	17.406	178	36084	5.386	ng	96
75) Fluoranthene	19.422	202	102726	11.248	ng	95
78) Pyrene	19.780	202	94369	11.089	ng	99
81) Benzo(a)anthracene	21.613	228	62666	6.656	ng	96
83) Chrysene	21.678	228	57630	6.479	ng	95
84) Bis(2-ethylhexyl)phtha...	21.508	149	21574	5.749	ng	# 89
87) Indeno(1,2,3-cd)pyrene	28.517	276	30990	2.740	ng	# 85
88) Benzo(b)fluoranthene	23.828	252	79800	9.076	ng	# 97
89) Benzo(k)fluoranthene	23.828	252	79800	9.120	ng	# 98
90) Benzo(a)pyrene	24.686	252	54091	7.204	ng	96
92) Benzo(g,h,i)perylene	29.669	276	30251	3.296	ng	# 83

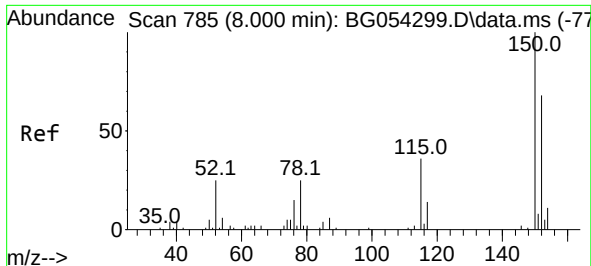
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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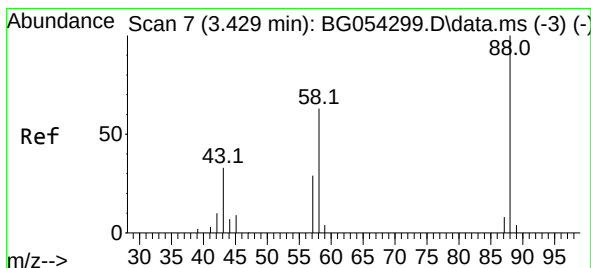
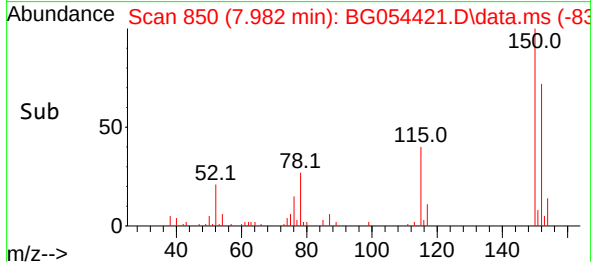
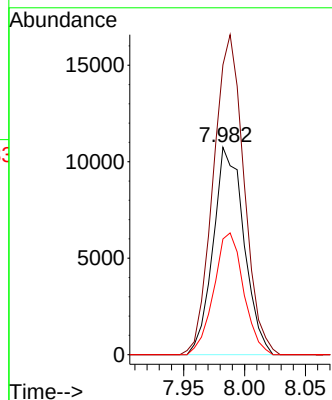
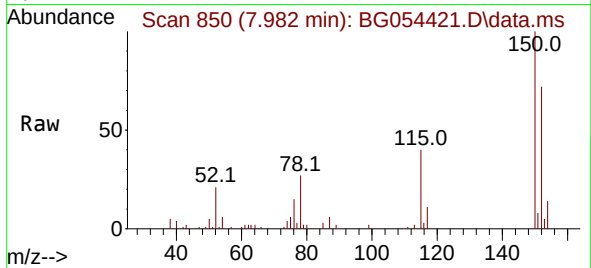




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.982 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BG054421.D
 Acq: 27 Jul 2022 18:29

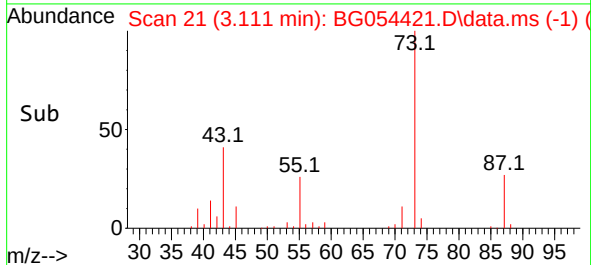
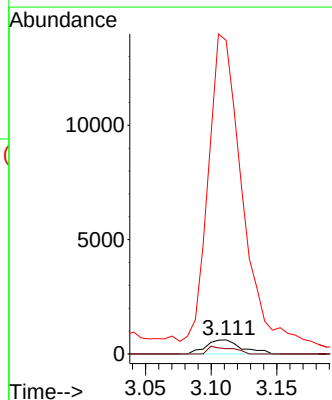
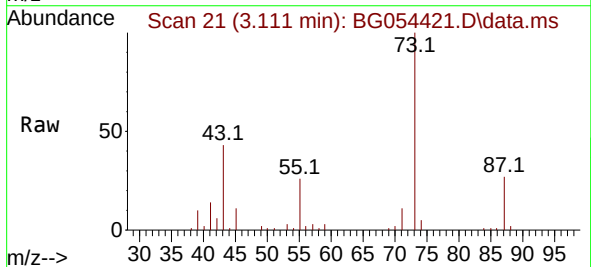
Instrument :
 BNA_G
 ClientSampleId :
 TP-2

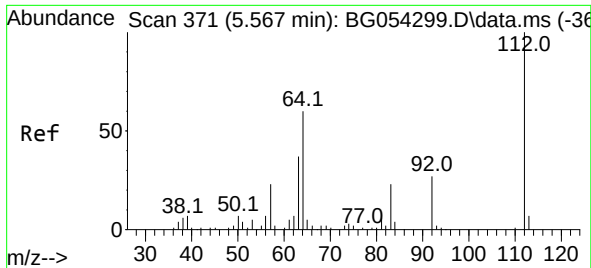
Tgt Ion:152 Resp: 18864
 Ion Ratio Lower Upper
 152 100
 150 139.7 131.6 197.4
 115 55.8 50.9 76.3



#2
 1,4-Dioxane
 Concen: 3.233 ng
 RT: 3.111 min Scan# 21
 Delta R.T. -0.306 min
 Lab File: BG054421.D
 Acq: 27 Jul 2022 18:29

Tgt Ion: 88 Resp: 1162
 Ion Ratio Lower Upper
 88 100
 58 36.8 59.2 88.8#
 43 2146.6 24.3 36.5#

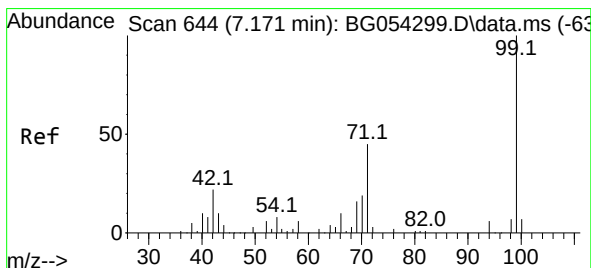
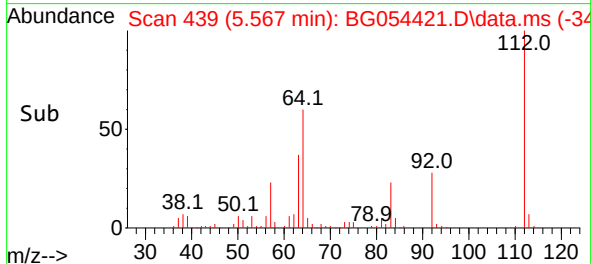
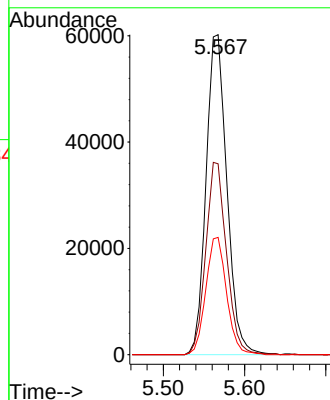
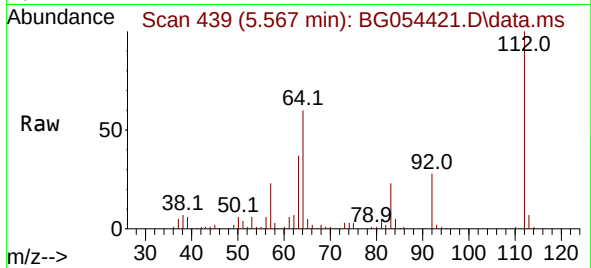




#5
2-Fluorophenol
Concen: 118.629 ng
RT: 5.567 min Scan# 41
Delta R.T. 0.006 min
Lab File: BG054421.D
Acq: 27 Jul 2022 18:29

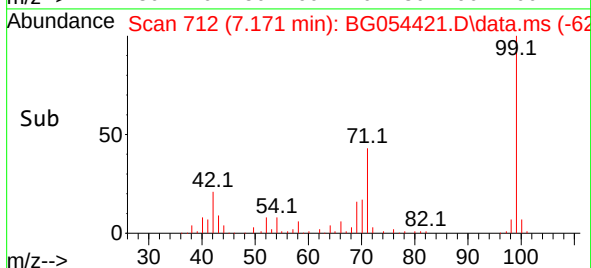
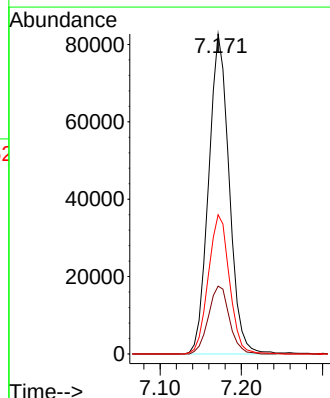
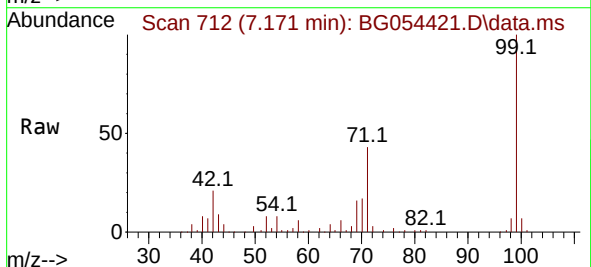
Instrument :
BNA_G
ClientSampleId :
TP-2

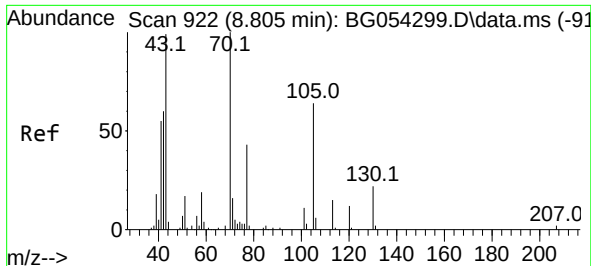
Tgt Ion:112 Resp: 107181
Ion Ratio Lower Upper
112 100
64 59.7 55.1 82.7
63 36.6 30.4 45.6



#7
Phenol-d6
Concen: 117.280 ng
RT: 7.171 min Scan# 712
Delta R.T. -0.000 min
Lab File: BG054421.D
Acq: 27 Jul 2022 18:29

Tgt Ion: 99 Resp: 145195
Ion Ratio Lower Upper
99 100
42 21.2 17.0 25.6
71 43.5 33.8 50.8

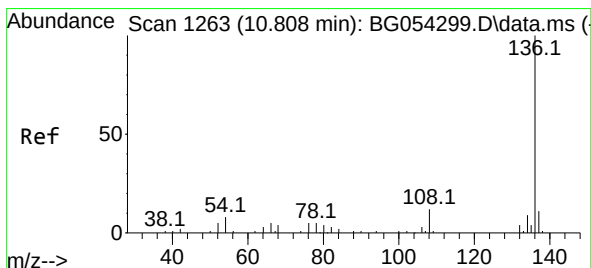
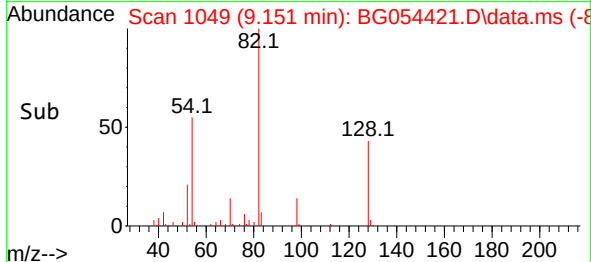
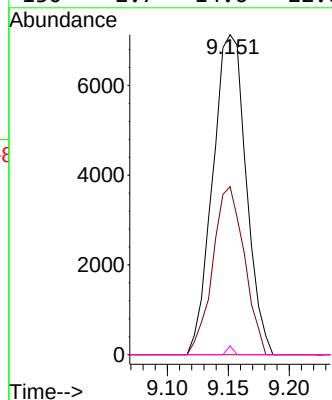
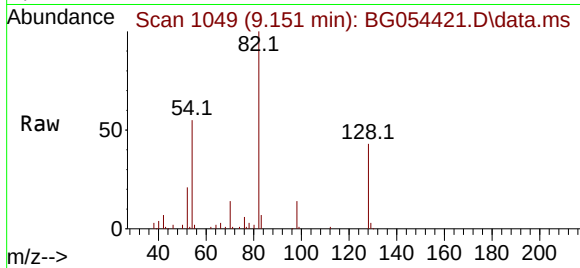




#19
n-Nitroso-di-n-propylamine
Concen: 16.453 ng
RT: 9.151 min Scan# 1049
Delta R.T. 0.358 min
Lab File: BG054421.D
Acq: 27 Jul 2022 18:29

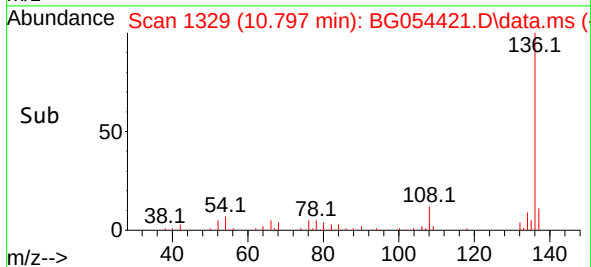
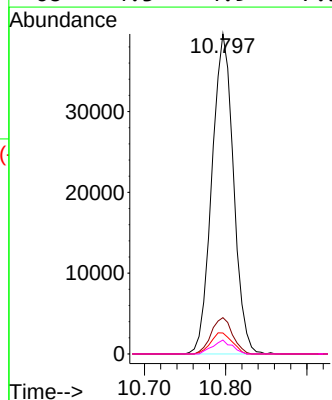
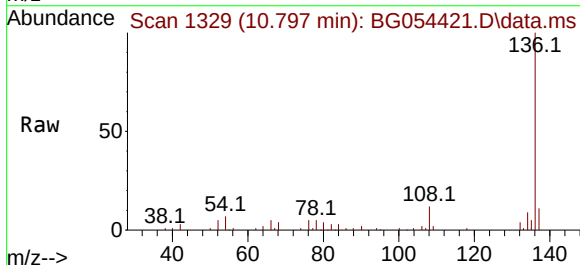
Instrument :
BNA_G
ClientSampleId :
TP-2

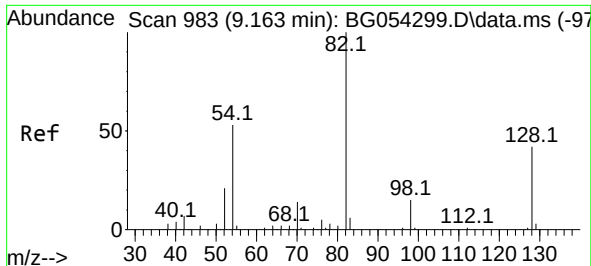
Tgt Ion: 70 Resp: 13602
Ion Ratio Lower Upper
70 100
42 52.5 47.3 70.9
101 0.0 7.0 10.4#
130 2.7 14.6 22.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.797 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BG054421.D
Acq: 27 Jul 2022 18:29

Tgt Ion: 136 Resp: 73050
Ion Ratio Lower Upper
136 100
137 11.4 8.5 12.7
54 6.5 7.4 11.2#
68 4.3 4.9 7.3#

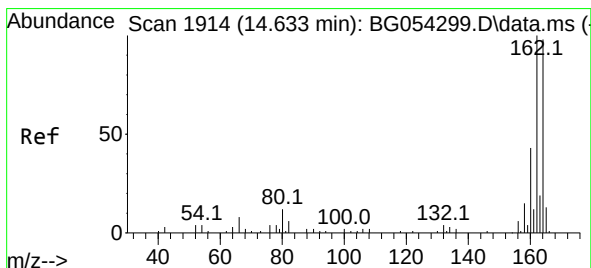
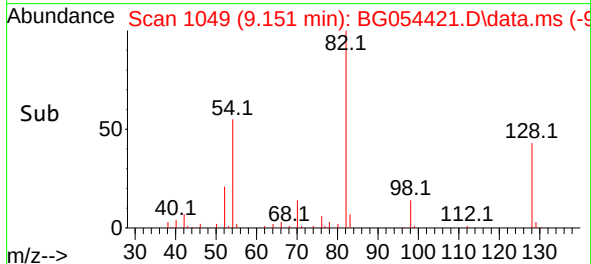
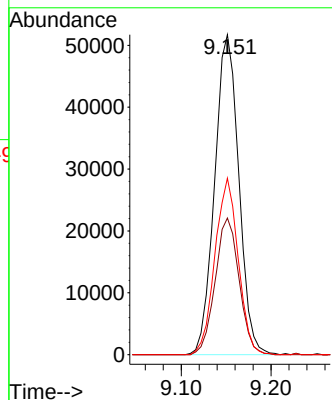
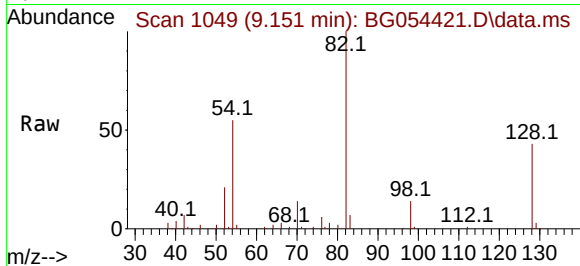




#23
Nitrobenzene-d5
Concen: 71.972 ng
RT: 9.151 min Scan# 1049
Delta R.T. -0.000 min
Lab File: BG054421.D
Acq: 27 Jul 2022 18:29

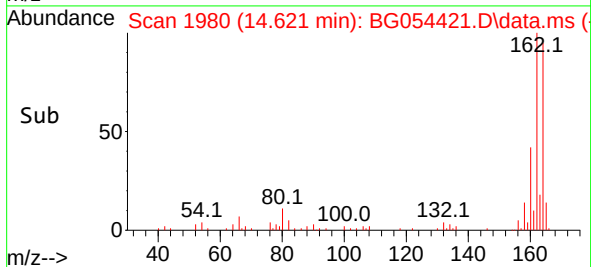
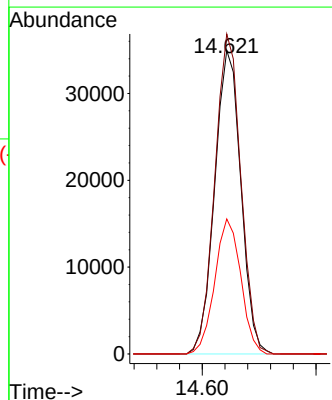
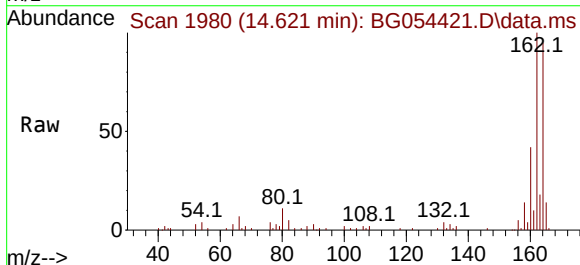
Instrument :
BNA_G
ClientSampleId :
TP-2

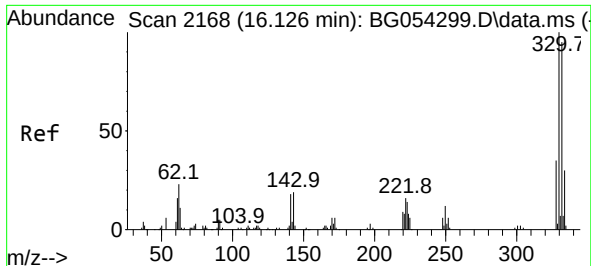
Tgt Ion: 82 Resp: 96545
Ion Ratio Lower Upper
82 100
128 42.7 27.9 41.9#
54 55.1 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.621 min Scan# 1980
Delta R.T. -0.000 min
Lab File: BG054421.D
Acq: 27 Jul 2022 18:29

Tgt Ion:164 Resp: 55883
Ion Ratio Lower Upper
164 100
162 105.4 82.3 123.5
160 44.5 34.2 51.2

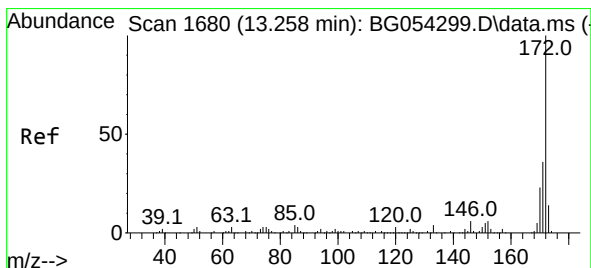
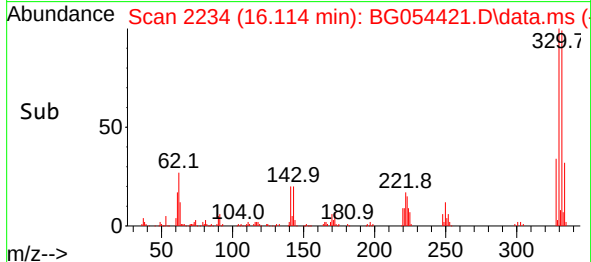
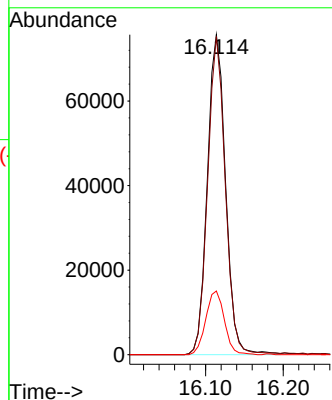
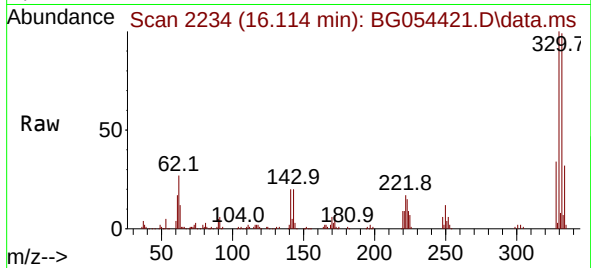




#42
2,4,6-Tribromophenol
Concen: 105.444 ng
RT: 16.114 min Scan# 2168
Delta R.T. -0.000 min
Lab File: BG054421.D
Acq: 27 Jul 2022 18:29

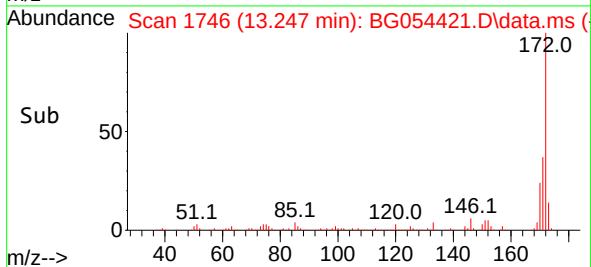
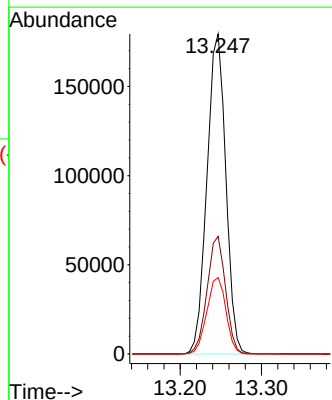
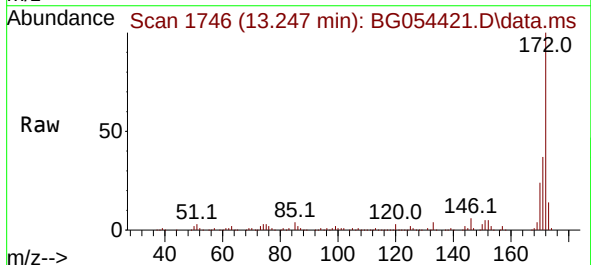
Instrument :
BNA_G
ClientSampleId :
TP-2

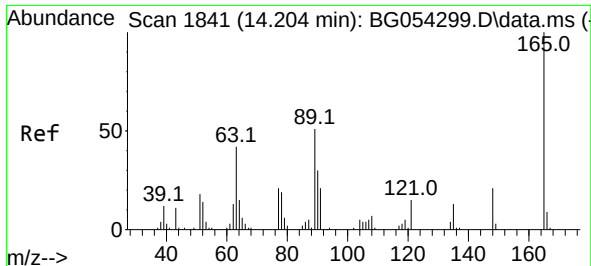
Tgt Ion:330 Resp: 123721
Ion Ratio Lower Upper
330 100
332 96.2 76.0 114.0
141 20.2 27.1 40.7#



#45
2-Fluorobiphenyl
Concen: 72.885 ng
RT: 13.247 min Scan# 1746
Delta R.T. -0.000 min
Lab File: BG054421.D
Acq: 27 Jul 2022 18:29

Tgt Ion:172 Resp: 288727
Ion Ratio Lower Upper
172 100
171 36.7 28.5 42.7
170 23.8 18.9 28.3

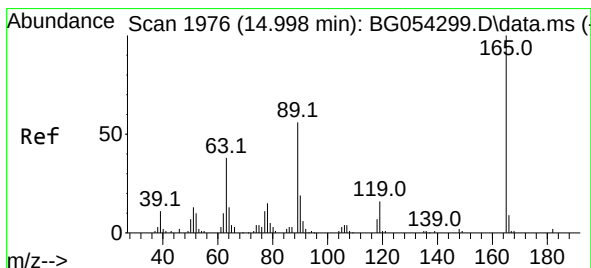
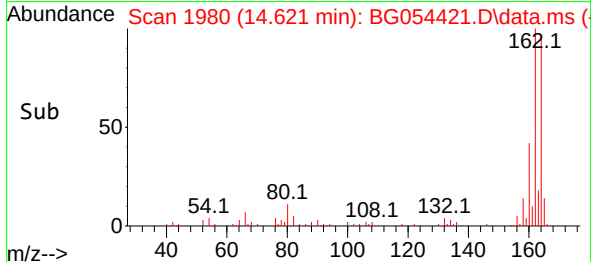
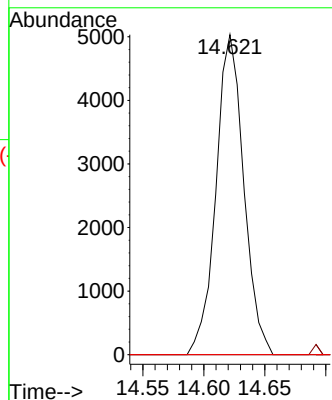
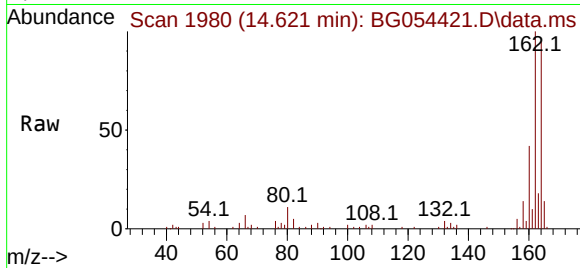




#51
2,6-Dinitrotoluene
Concen: 8.320 ng
RT: 14.621 min Scan# 1980
Delta R.T. 0.423 min
Lab File: BG054421.D
Acq: 27 Jul 2022 18:29

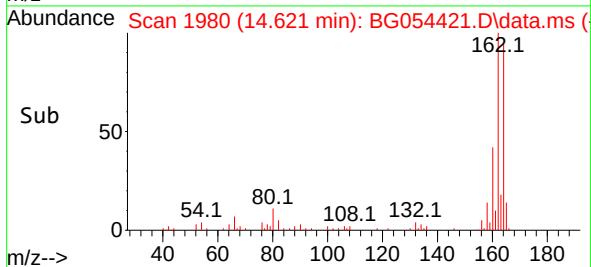
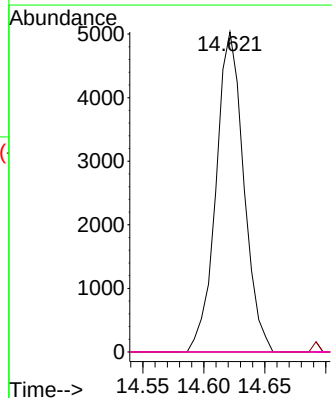
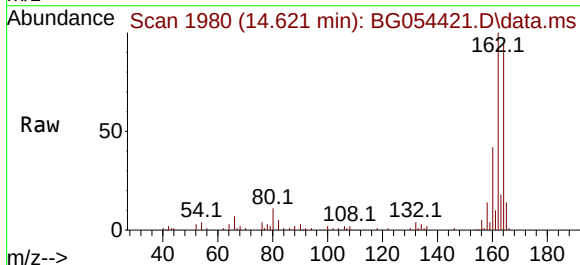
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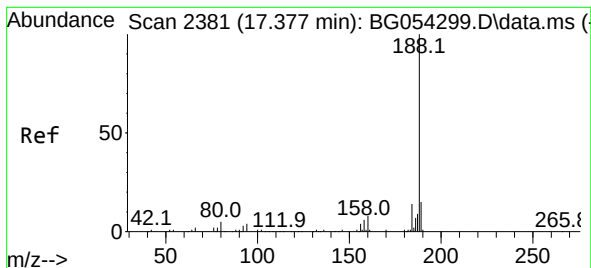
Tgt Ion:165 Resp: 7966
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#57
2,4-Dinitrotoluene
Concen: 5.804 ng
RT: 14.621 min Scan# 1980
Delta R.T. -0.370 min
Lab File: BG054421.D
Acq: 27 Jul 2022 18:29

Tgt Ion:165 Resp: 7966
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. -0.006 min

Lab File: BG054421.D

Acq: 27 Jul 2022 18:29

Instrument :

BNA_G

ClientSampleId :

TP-2

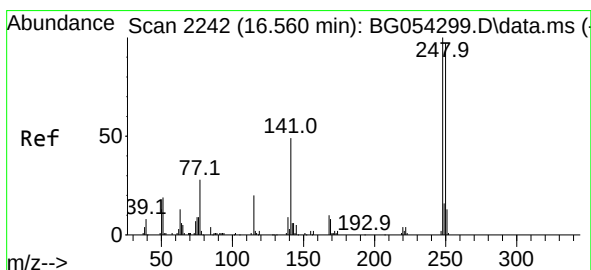
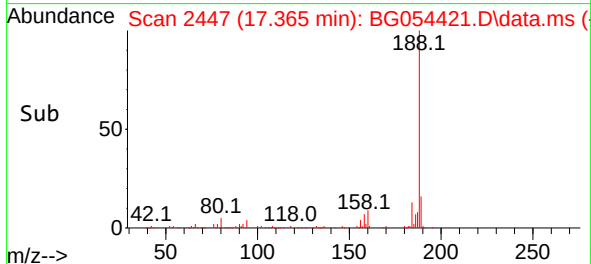
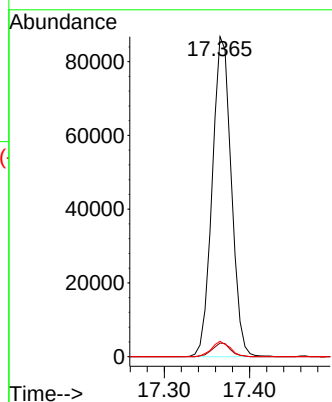
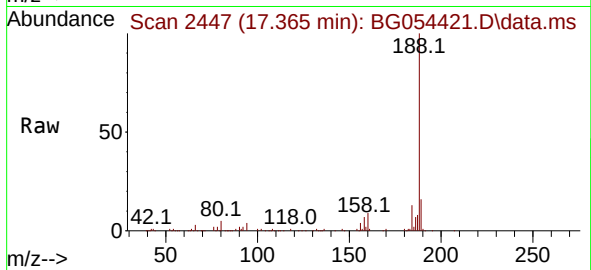
Tgt Ion:188 Resp: 134533

Ion Ratio Lower Upper

188 100

94 4.3 5.4 8.0#

80 4.8 6.8 10.2#



#67

4-Bromophenyl-phenylether

Concen: 3.981 ng

RT: 16.114 min Scan# 2234

Delta R.T. -0.441 min

Lab File: BG054421.D

Acq: 27 Jul 2022 18:29

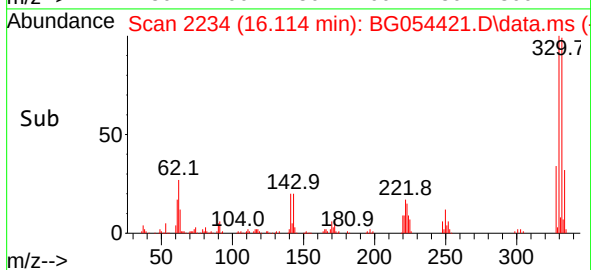
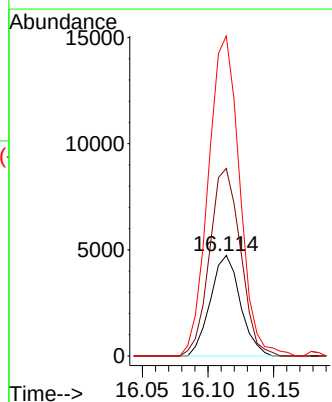
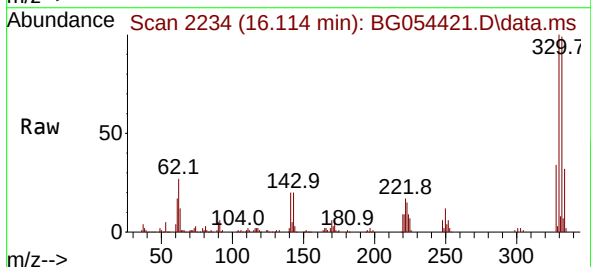
Tgt Ion:248 Resp: 7521

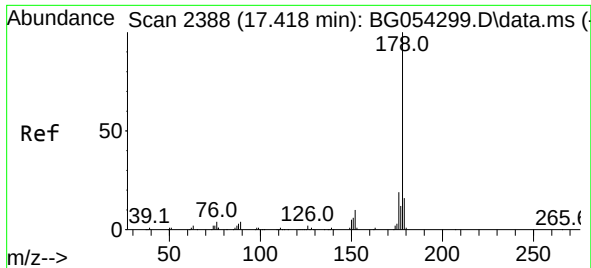
Ion Ratio Lower Upper

248 100

250 186.7 75.2 112.8#

141 318.6 50.0 75.0#

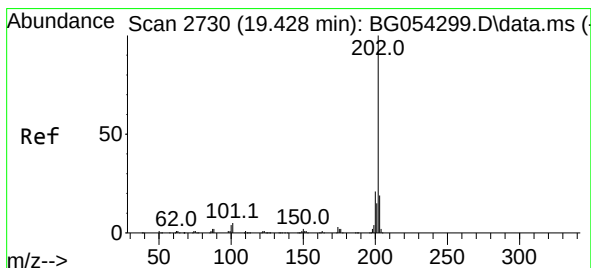
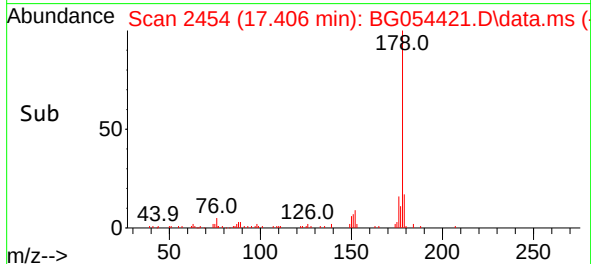
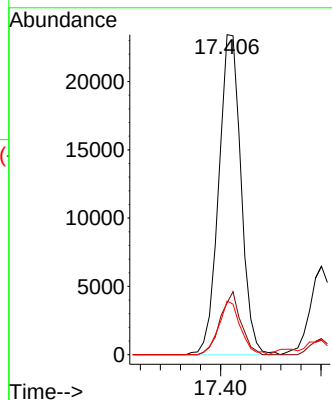
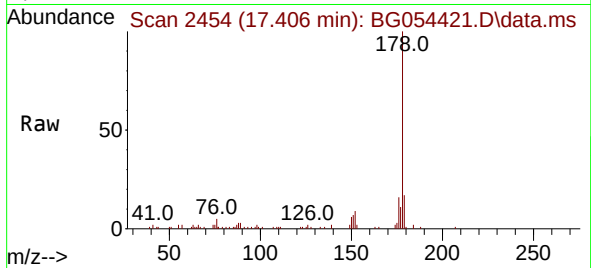




#71
Phenanthrene
Concen: 5.386 ng
RT: 17.406 min Scan# 2454
Delta R.T. -0.006 min
Lab File: BG054421.D
Acq: 27 Jul 2022 18:29

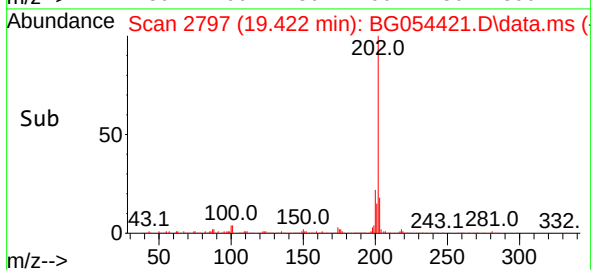
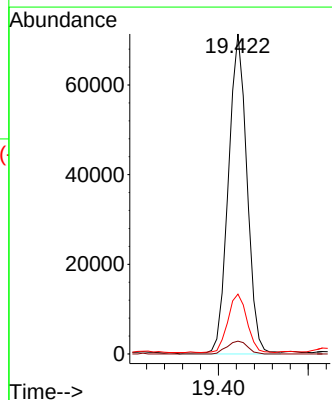
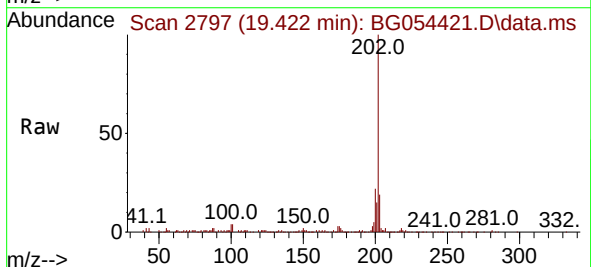
Instrument :
BNA_G
ClientSampleId :
TP-2

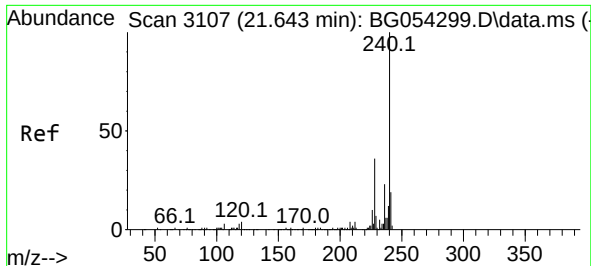
Tgt Ion:178	Resp:	36084
Ion Ratio	Lower	Upper
178	100	
176	16.2	14.1 21.1
179	16.8	12.1 18.1



#75
Fluoranthene
Concen: 11.248 ng
RT: 19.422 min Scan# 2797
Delta R.T. -0.000 min
Lab File: BG054421.D
Acq: 27 Jul 2022 18:29

Tgt Ion:202	Resp:	102726
Ion Ratio	Lower	Upper
202	100	
101	4.0	0.0 26.9
203	18.7	0.0 37.2

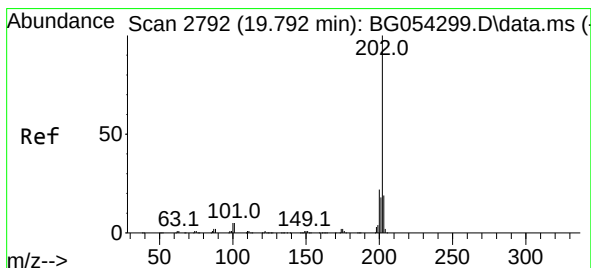
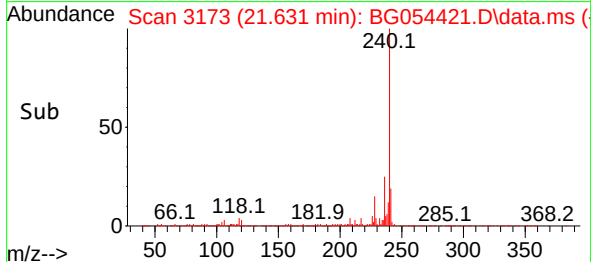
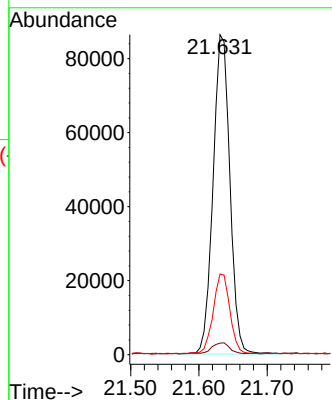
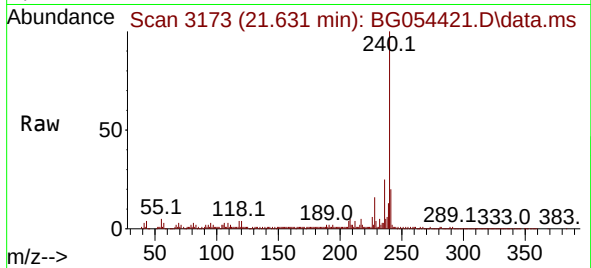




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.631 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG054421.D
Acq: 27 Jul 2022 18:29

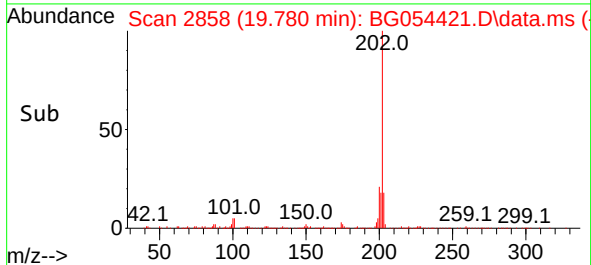
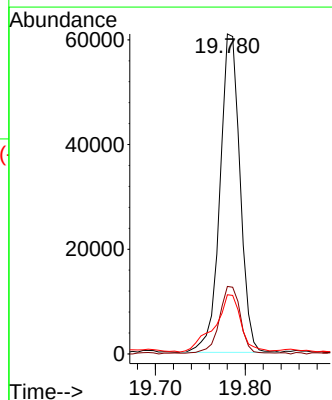
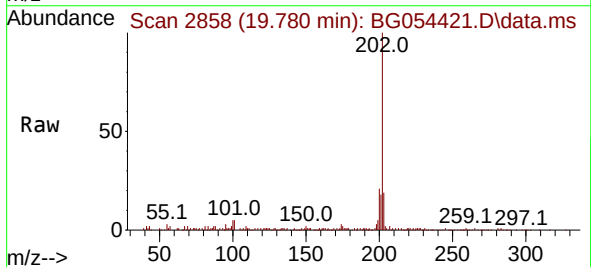
Instrument :
BNA_G
ClientSampleId :
TP-2

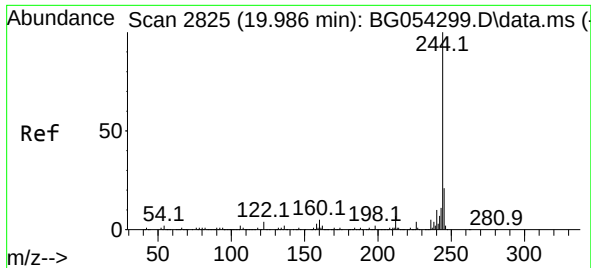
Tgt Ion:240 Resp: 148319
Ion Ratio Lower Upper
240 100
120 3.6 4.6 7.0#
236 25.2 20.2 30.4



#78
Pyrene
Concen: 11.089 ng
RT: 19.780 min Scan# 2858
Delta R.T. -0.006 min
Lab File: BG054421.D
Acq: 27 Jul 2022 18:29

Tgt Ion:202 Resp: 94369
Ion Ratio Lower Upper
202 100
200 21.1 16.6 24.8
203 18.5 14.6 21.8

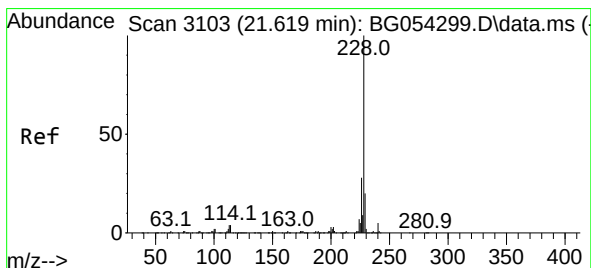
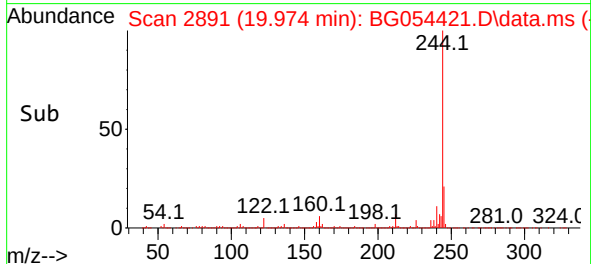
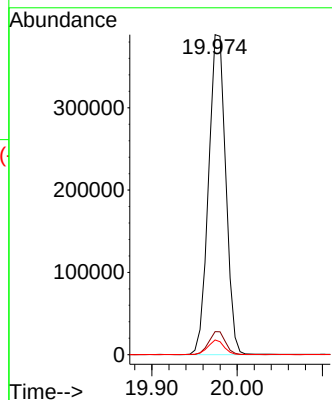
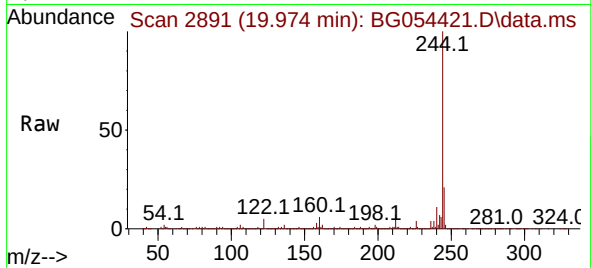




#79
 Terphenyl-d14
 Concen: 72.840 ng
 RT: 19.974 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG054421.D
 Acq: 27 Jul 2022 18:29

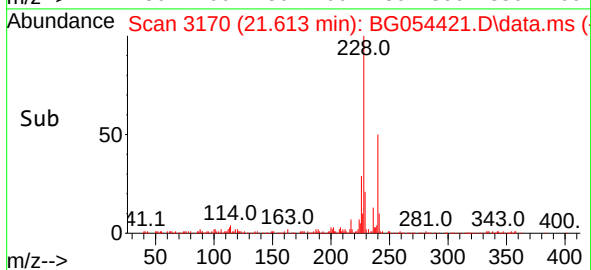
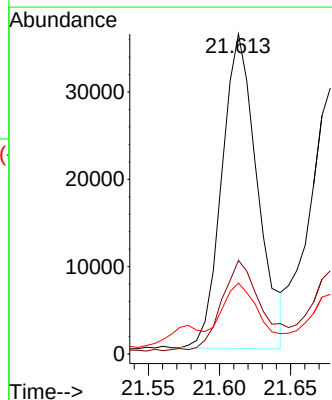
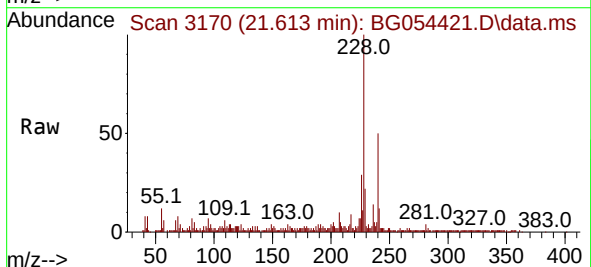
Instrument :
 BNA_G
 ClientSampleId :
 TP-2

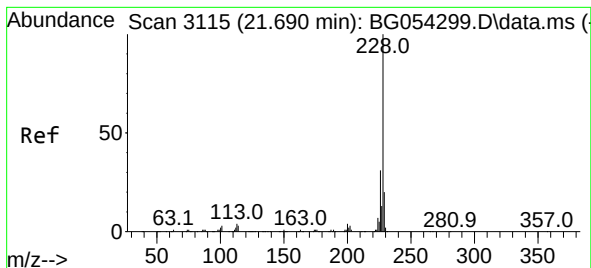
Tgt Ion:244 Resp: 544587
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.5 9.7
 122 4.6 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 6.656 ng
 RT: 21.613 min Scan# 3170
 Delta R.T. -0.000 min
 Lab File: BG054421.D
 Acq: 27 Jul 2022 18:29

Tgt Ion:228 Resp: 62666
 Ion Ratio Lower Upper
 228 100
 226 29.2 21.6 32.4
 229 22.1 16.2 24.2





#83

Chrysene

Concen: 6.479 ng

RT: 21.678 min Scan# 3115

Delta R.T. -0.006 min

Lab File: BG054421.D

Acq: 27 Jul 2022 18:29

Instrument :

BNA_G

ClientSampleId :

TP-2

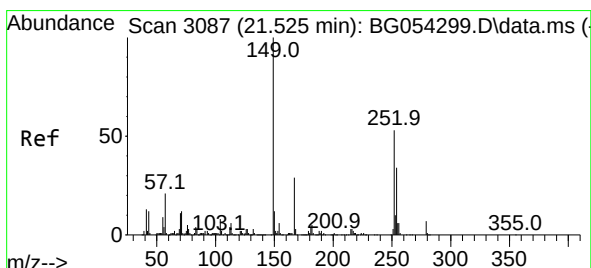
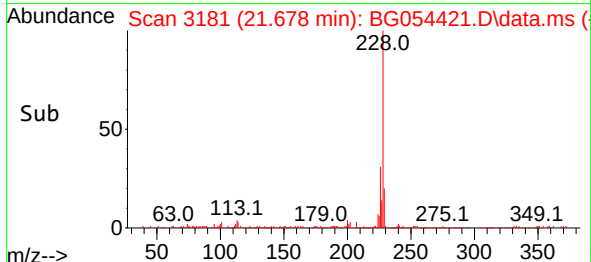
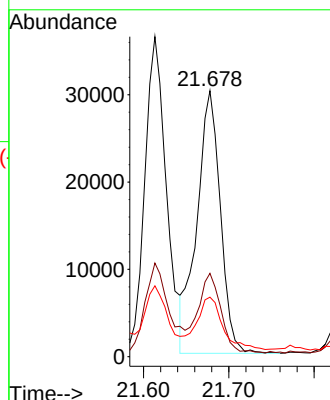
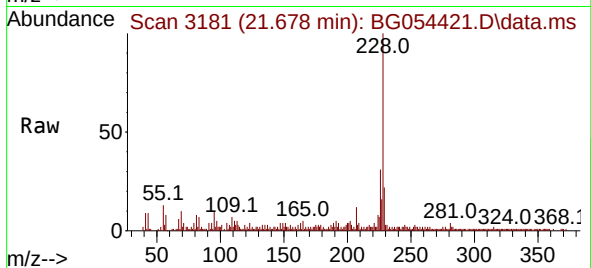
Tgt Ion:228 Resp: 57630

Ion Ratio Lower Upper

228 100

226 31.3 23.4 35.2

229 22.4 15.5 23.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.749 ng

RT: 21.508 min Scan# 3152

Delta R.T. -0.006 min

Lab File: BG054421.D

Acq: 27 Jul 2022 18:29

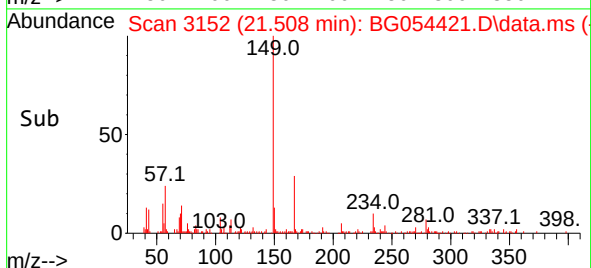
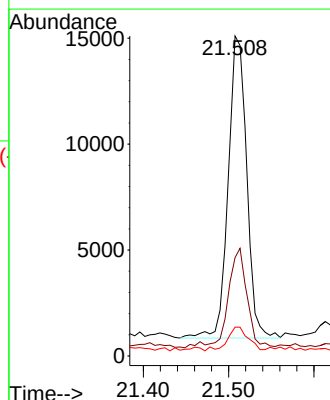
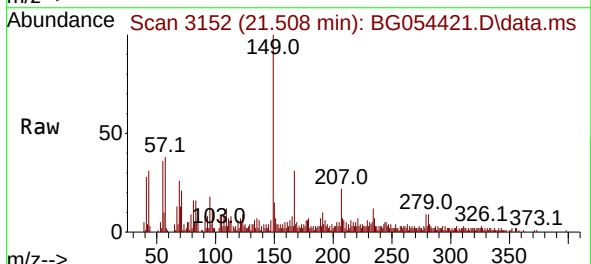
Tgt Ion:149 Resp: 21574

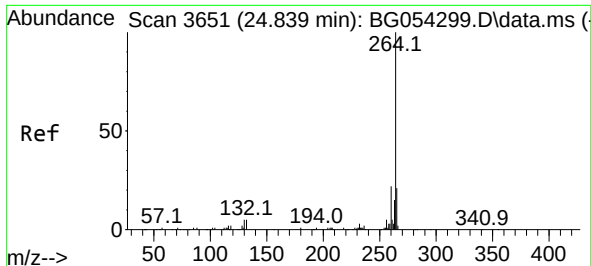
Ion Ratio Lower Upper

149 100

167 30.8 20.2 30.4#

279 9.0 3.6 5.4#

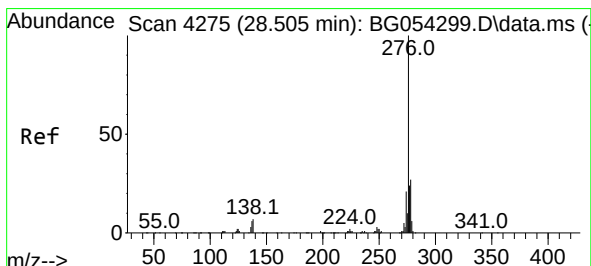
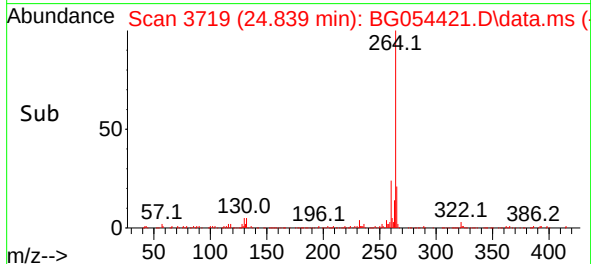
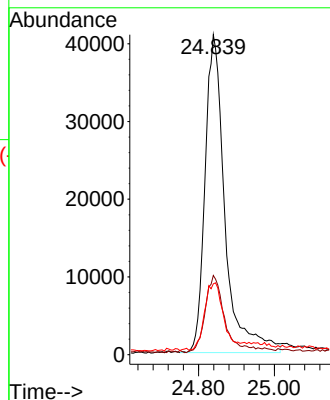
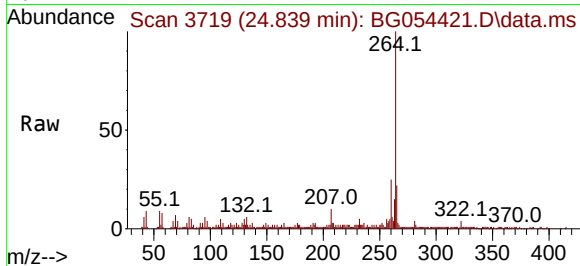




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.839 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: BG054421.D
 Acq: 27 Jul 2022 18:29

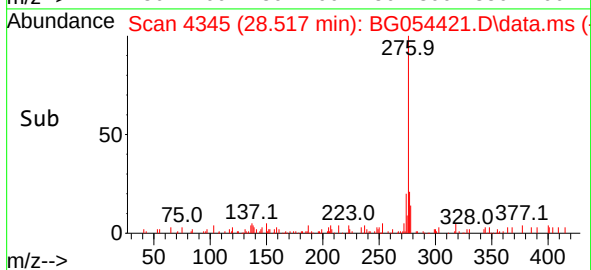
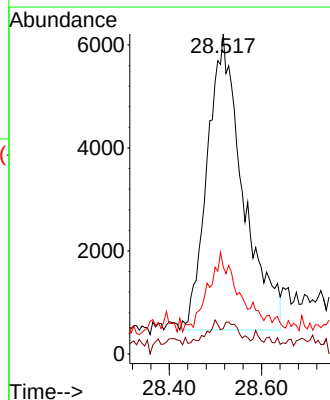
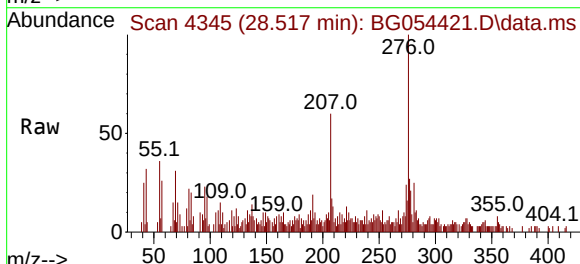
Instrument :
 BNA_G
 ClientSampleId :
 TP-2

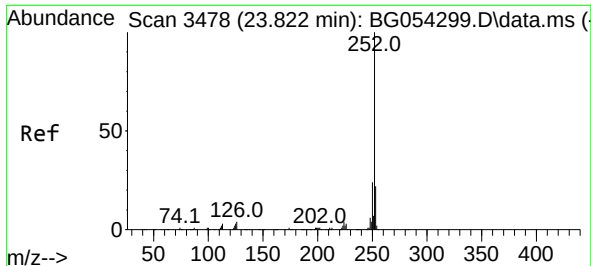
Tgt Ion:264 Resp: 148672
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.0 28.6
 265 22.1 17.4 26.2



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.740 ng
 RT: 28.517 min Scan# 4345
 Delta R.T. -0.000 min
 Lab File: BG054421.D
 Acq: 27 Jul 2022 18:29

Tgt Ion:276 Resp: 30990
 Ion Ratio Lower Upper
 276 100
 138 3.7 5.0 7.4#
 277 16.9 20.3 30.5#

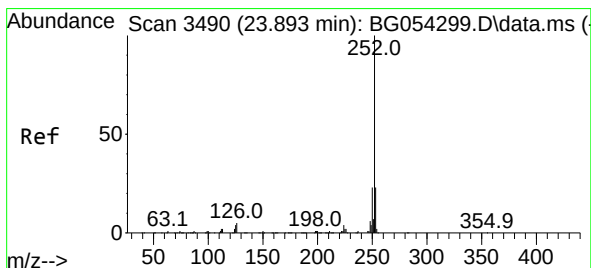
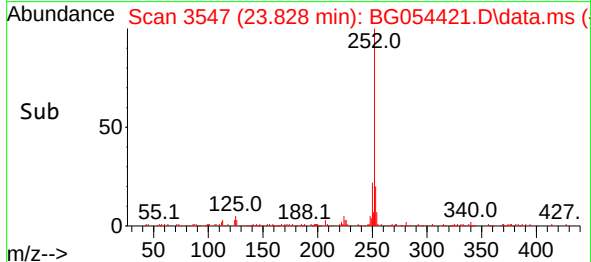
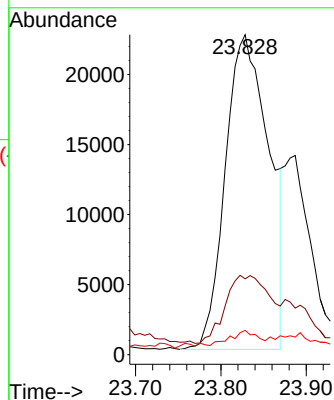
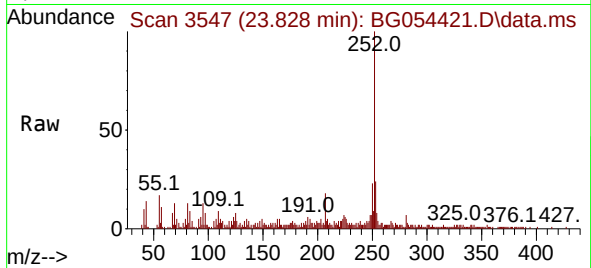




#88
Benzo(b)fluoranthene
Concen: 9.076 ng
RT: 23.828 min Scan# 31
Delta R.T. 0.006 min
Lab File: BG054421.D
Acq: 27 Jul 2022 18:29

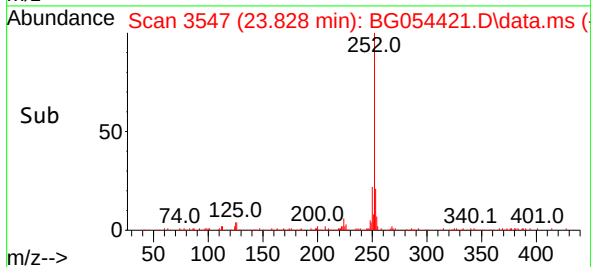
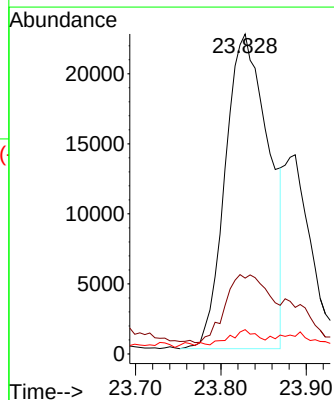
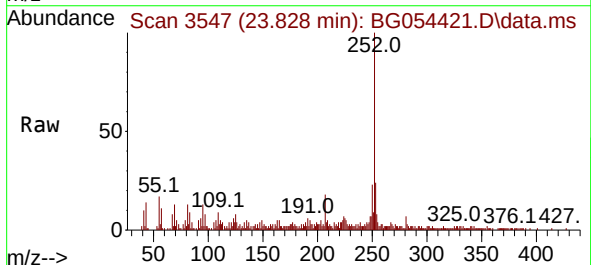
Instrument :
BNA_G
ClientSampleId :
TP-2

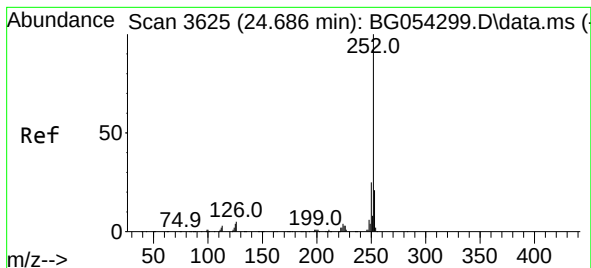
Tgt Ion:252 Resp: 79800
Ion Ratio Lower Upper
252 100
253 23.7 18.0 27.0
125 7.6 4.6 6.8#



#89
Benzo(k)fluoranthene
Concen: 9.120 ng
RT: 23.828 min Scan# 3547
Delta R.T. -0.059 min
Lab File: BG054421.D
Acq: 27 Jul 2022 18:29

Tgt Ion:252 Resp: 79800
Ion Ratio Lower Upper
252 100
253 23.7 18.4 27.6
125 7.6 4.8 7.2#





#90

Benzo(a)pyrene

Concen: 7.204 ng

RT: 24.686 min Scan# 3

Delta R.T. -0.000 min

Lab File: BG054421.D

Acq: 27 Jul 2022 18:29

Instrument :

BNA_G

ClientSampleId :

TP-2

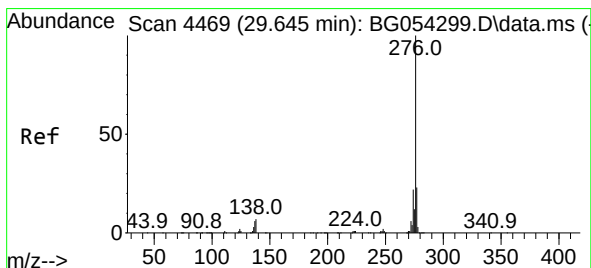
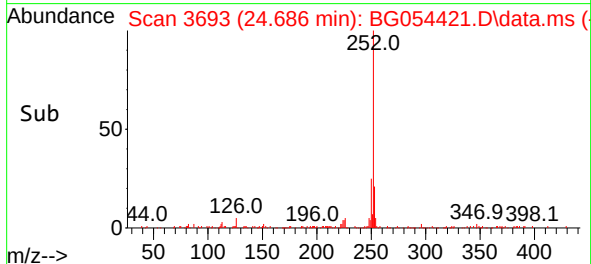
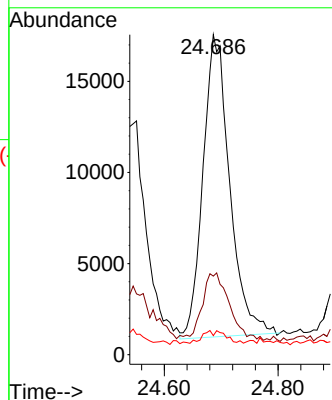
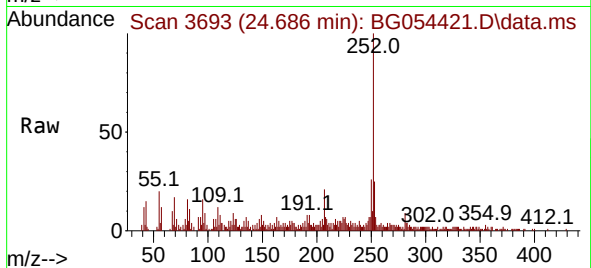
Tgt Ion:252 Resp: 54091

Ion Ratio Lower Upper

252 100

253 24.6 17.8 26.8

125 5.9 4.3 6.5



#92

Benzo(g,h,i)perylene

Concen: 3.296 ng

RT: 29.669 min Scan# 4541

Delta R.T. 0.006 min

Lab File: BG054421.D

Acq: 27 Jul 2022 18:29

Tgt Ion:276 Resp: 30251

Ion Ratio Lower Upper

276 100

277 31.6 17.3 25.9#

138 8.6 9.6 14.4#

