

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091522\
 Data File : BG054964.D
 Acq On : 15 Sep 2022 20:21
 Operator : CG/JU
 Sample : N4569-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SASP2-T-6-(5-10)

Quant Time: Sep 16 05:32:39 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 15 03:14:10 2022
 Response via : Initial Calibration

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

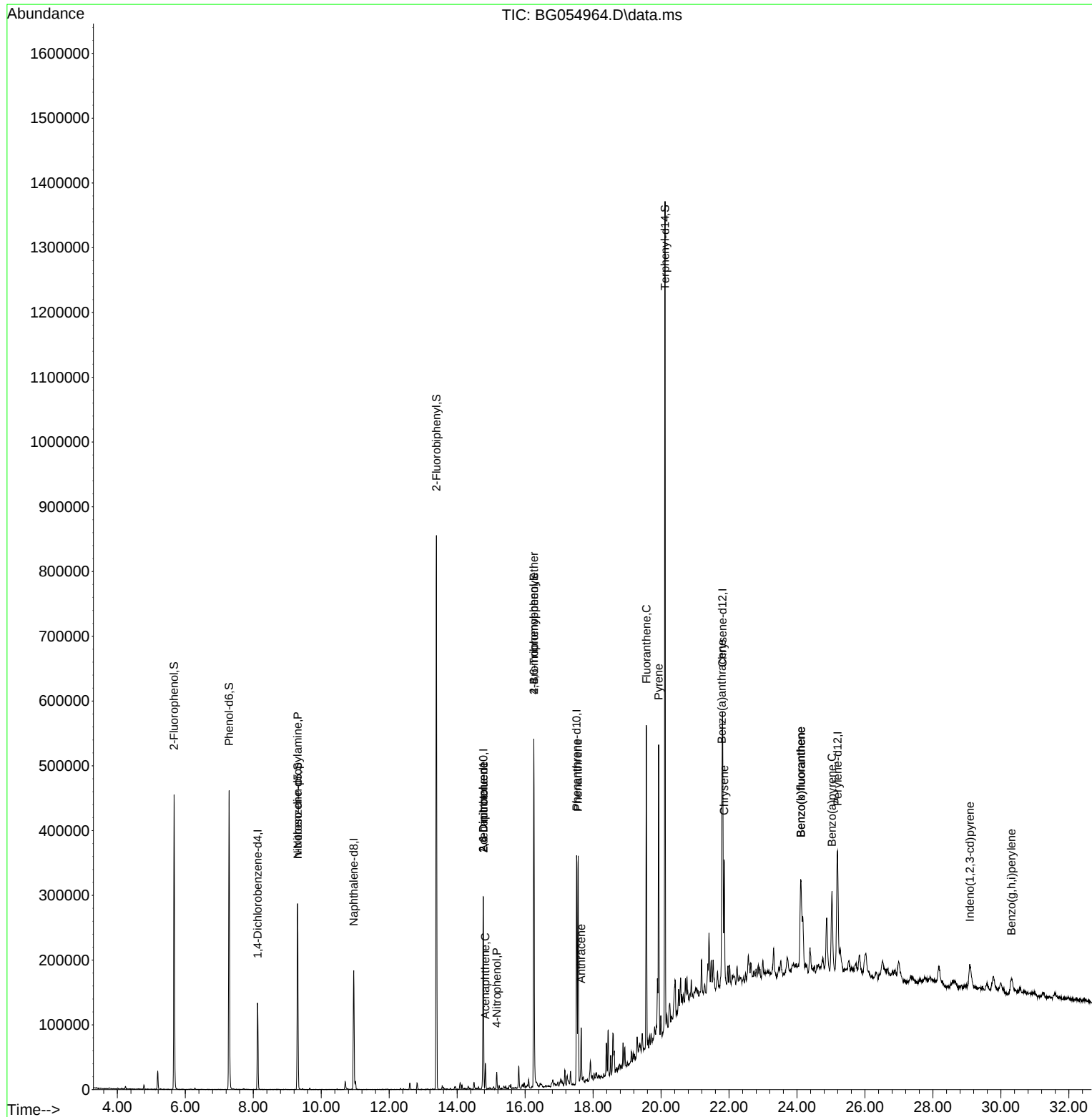
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.125	152	43407	20.000	ng	0.00
21) Naphthalene-d8	10.957	136	176053	20.000	ng	# 0.00
39) Acenaphthene-d10	14.771	164	114881	20.000	ng	0.00
64) Phenanthrene-d10	17.514	188	236892	20.000	ng	0.00
76) Chrysene-d12	21.809	240	224756	20.000	ng	0.00
86) Perylene-d12	25.194	264	241682	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.669	112	235776	94.586	ng	0.00
7) Phenol-d6	7.291	99	314471	92.248	ng	0.00
23) Nitrobenzene-d5	9.306	82	187771	55.991	ng	0.00
42) 2,4,6-Tribromophenol	16.257	330	130140	90.658	ng	0.00
45) 2-Fluorobiphenyl	13.390	172	476713	62.369	ng	0.00
79) Terphenyl-d14	20.117	244	674176	59.434	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.306	70	23026	9.822	ng	# 75
51) 2,6-Dinitrotoluene	14.771	165	15401	8.508	ng	# 20
52) Acenaphthene	14.829	154	15038	2.190	ng	99
56) 4-Nitrophenol	15.164	139	6161	3.929	ng	# 9
57) 2,4-Dinitrotoluene	14.771	165	15401	6.151	ng	# 18
67) 4-Bromophenyl-phenylether	16.257	248	8093	3.112	ng	# 1
71) Phenanthrene	17.561	178	231283	18.328	ng	98
72) Anthracene	17.650	178	57936	4.722	ng	99
75) Fluoranthene	19.571	202	327900	21.359	ng	97
78) Pyrene	19.929	202	292293	18.651	ng	99
81) Benzo(a)anthracene	21.792	228	172301	11.307	ng	99
83) Chrysene	21.856	228	148668	10.203	ng	97
87) Indeno(1,2,3-cd)pyrene	29.089	276	73715	4.018	ng	# 93
88) Benzo(b)fluoranthene	24.113	252	195970	12.926	ng	95
89) Benzo(k)fluoranthene	24.113	252	195970	12.844	ng	95
90) Benzo(a)pyrene	25.029	252	149872	11.571	ng	99
92) Benzo(g,h,i)perylene	30.311	276	66100	4.377	ng	94

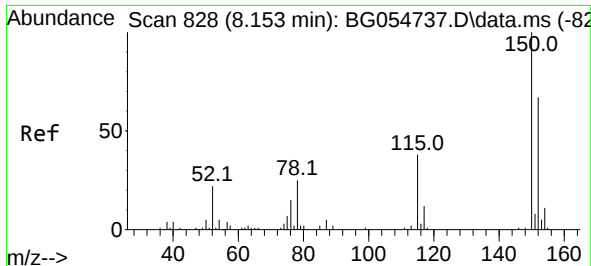
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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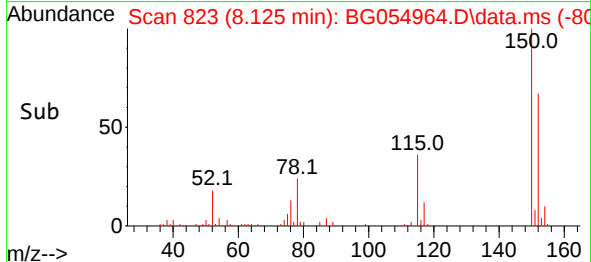
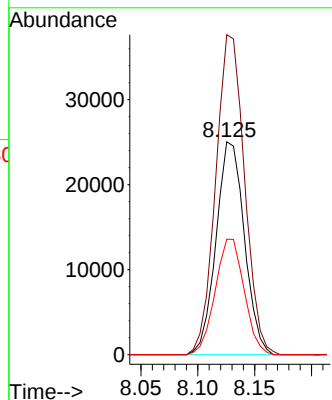
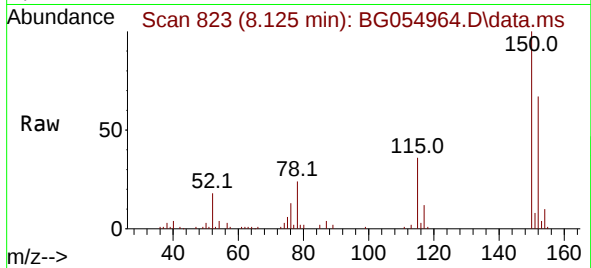




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.125 min Scan# 81
Delta R.T. -0.010 min
Lab File: BG054964.D
Acq: 15 Sep 2022 20:21

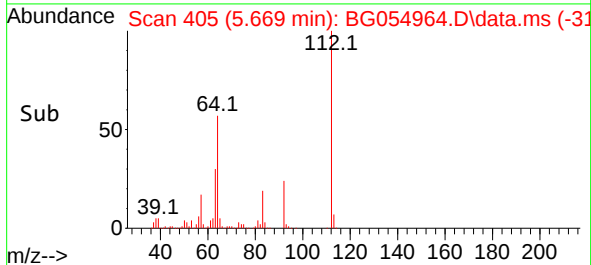
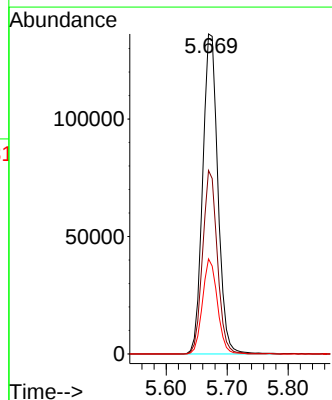
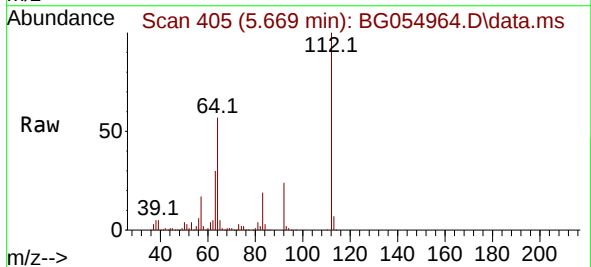
Instrument :
BNA_G
ClientSampleId :
SASP2-T-6-(5-10)

Tgt Ion:152 Resp: 43407
Ion Ratio Lower Upper
152 100
150 150.3 125.2 187.8
115 54.2 47.9 71.9



#5
2-Fluorophenol
Concen: 94.586 ng
RT: 5.669 min Scan# 405
Delta R.T. -0.004 min
Lab File: BG054964.D
Acq: 15 Sep 2022 20:21

Tgt Ion:112 Resp: 235776
Ion Ratio Lower Upper
112 100
64 57.4 49.3 73.9
63 29.7 26.3 39.5

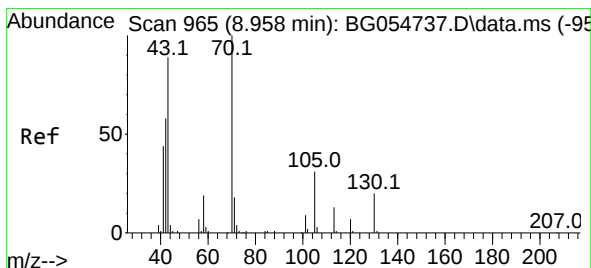
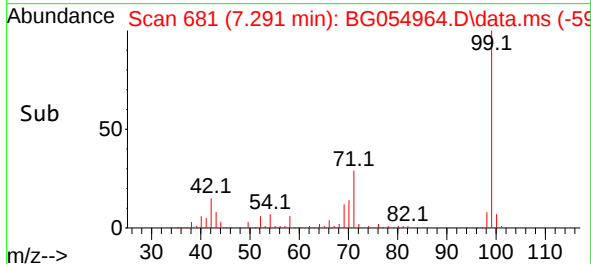
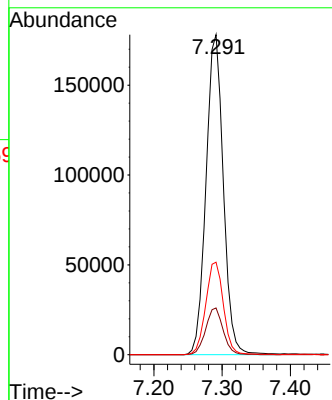
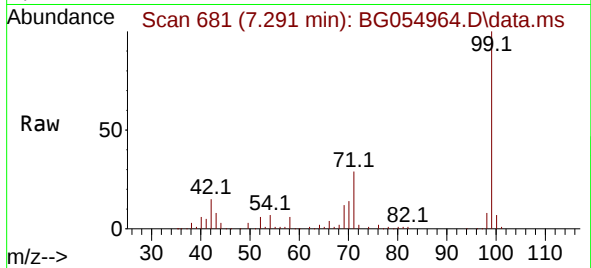




#7
Phenol-d6
Concen: 92.248 ng
RT: 7.291 min Scan# 61
Delta R.T. 0.002 min
Lab File: BG054964.D
Acq: 15 Sep 2022 20:21

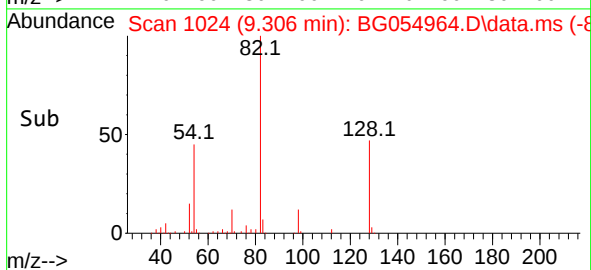
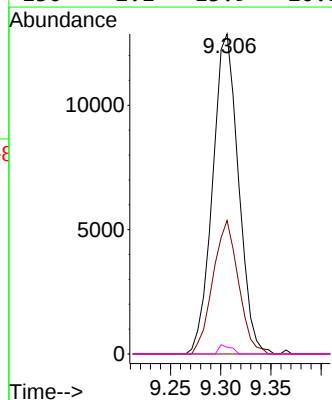
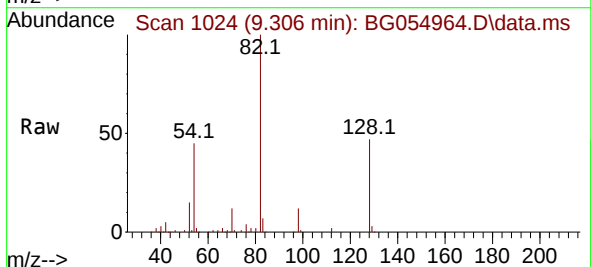
Instrument :
BNA_G
ClientSampleId :
SASP2-T-6-(5-10)

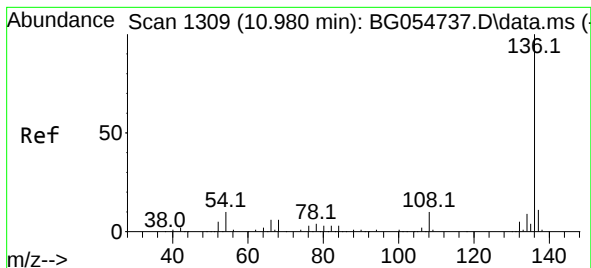
Tgt Ion: 99 Resp: 314471
Ion Ratio Lower Upper
99 100
42 14.6 14.6 22.0#
71 28.9 24.6 37.0



#19
n-Nitroso-di-n-propylamine
Concen: 9.822 ng
RT: 9.306 min Scan# 1024
Delta R.T. 0.367 min
Lab File: BG054964.D
Acq: 15 Sep 2022 20:21

Tgt Ion: 70 Resp: 23026
Ion Ratio Lower Upper
70 100
42 41.7 46.6 69.8#
101 0.0 7.7 11.5#
130 2.1 13.9 20.9#

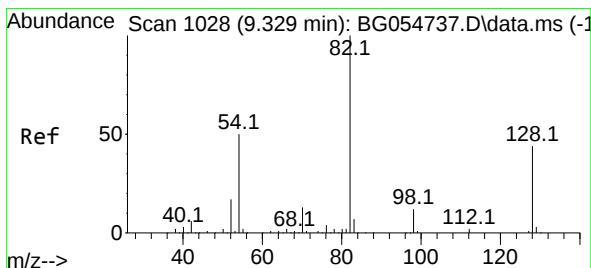
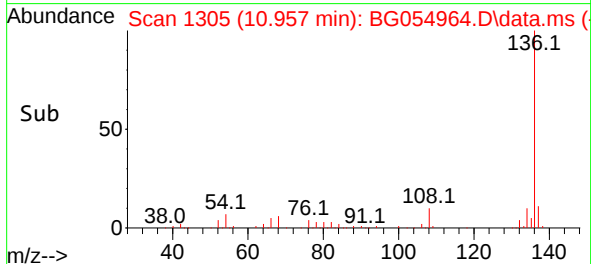
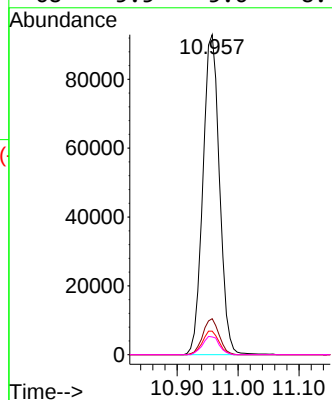
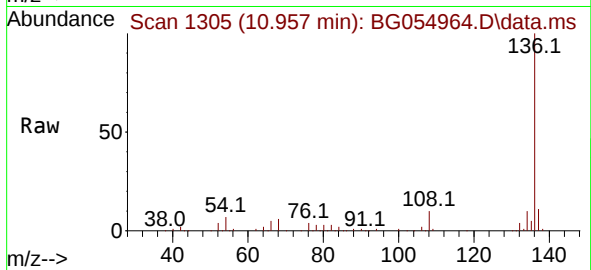




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.957 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG054964.D
Acq: 15 Sep 2022 20:21

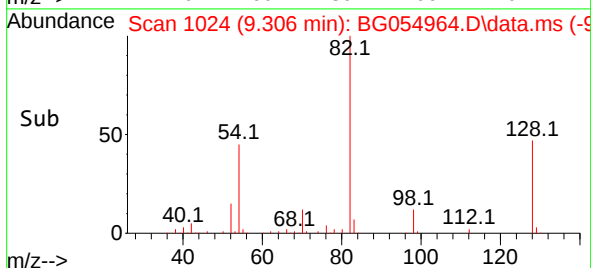
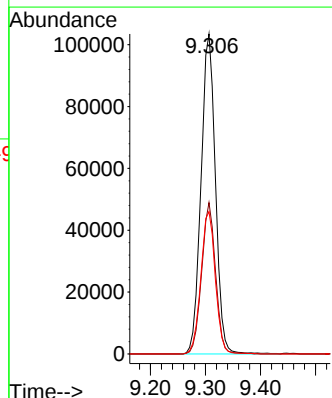
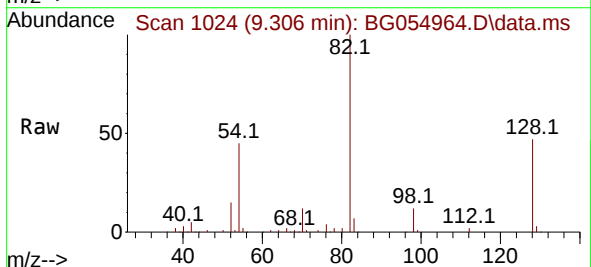
Instrument :
BNA_G
ClientSampleId :
SASP2-T-6-(5-10)

Tgt Ion:	136	Resp:	176053
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.2	13.8
54	7.4	7.7	11.5#
68	5.5	5.6	8.4#



#23
Nitrobenzene-d5
Concen: 55.991 ng
RT: 9.306 min Scan# 1024
Delta R.T. -0.004 min
Lab File: BG054964.D
Acq: 15 Sep 2022 20:21

Tgt Ion:	82	Resp:	187771
Ion Ratio	Lower	Upper	
82	100		
128	47.3	32.2	48.2
54	44.5	41.4	62.0

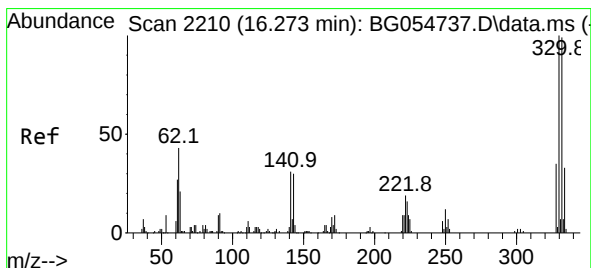
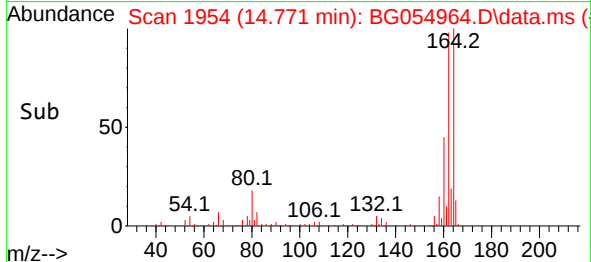
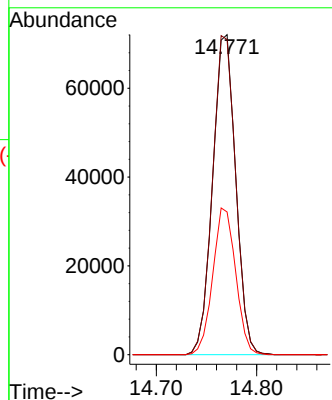
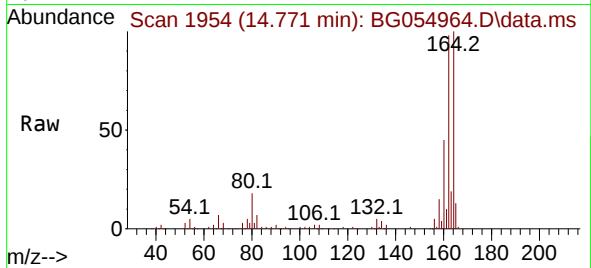




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.771 min Scan# 1954
Delta R.T. -0.004 min
Lab File: BG054964.D
Acq: 15 Sep 2022 20:21

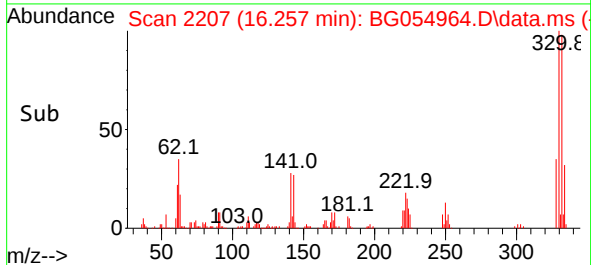
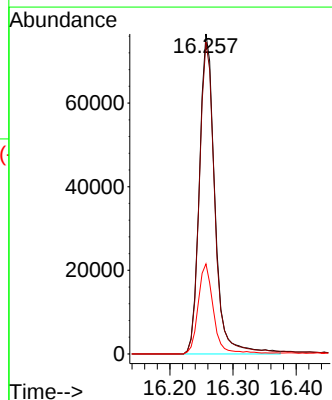
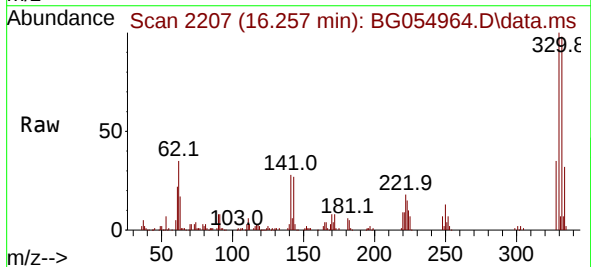
Instrument :
BNA_G
ClientSampleId :
SASP2-T-6-(5-10)

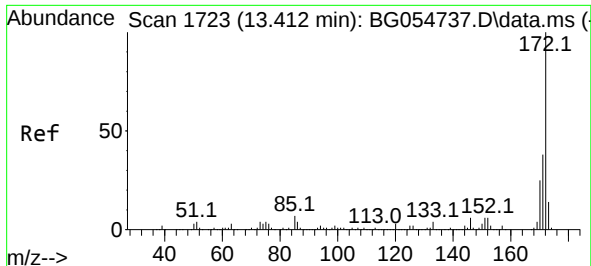
Tgt Ion:164 Resp: 114881
Ion Ratio Lower Upper
164 100
162 98.5 83.0 124.4
160 44.6 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 90.658 ng
RT: 16.257 min Scan# 2207
Delta R.T. -0.004 min
Lab File: BG054964.D
Acq: 15 Sep 2022 20:21

Tgt Ion:330 Resp: 130140
Ion Ratio Lower Upper
330 100
332 98.1 79.8 119.6
141 27.9 26.8 40.2

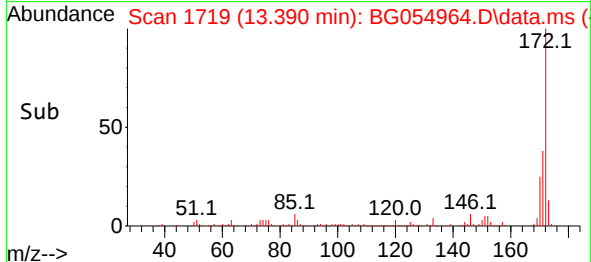
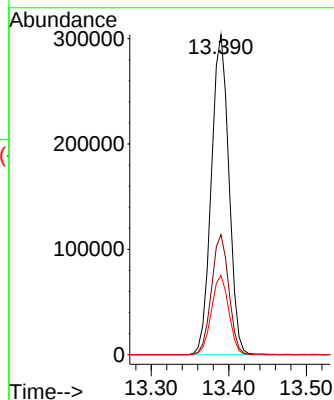
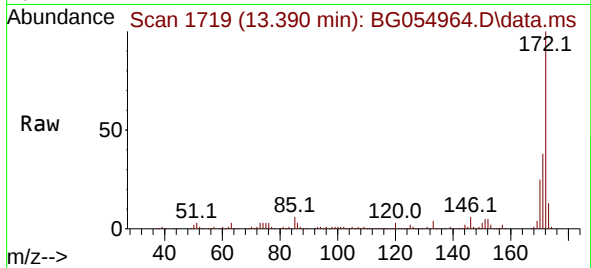




#45
2-Fluorobiphenyl
Concen: 62.369 ng
RT: 13.390 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG054964.D
Acq: 15 Sep 2022 20:21

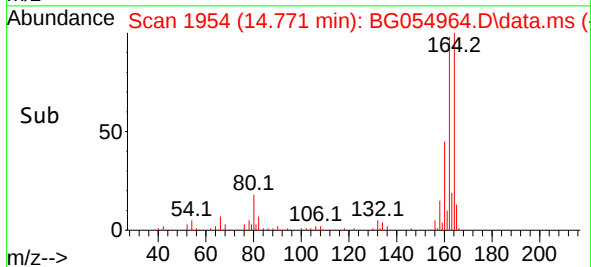
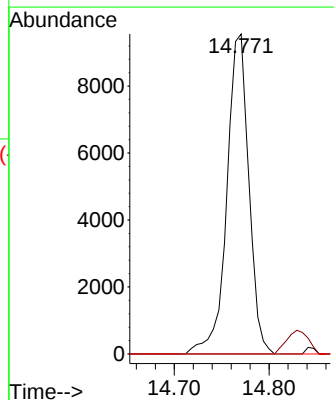
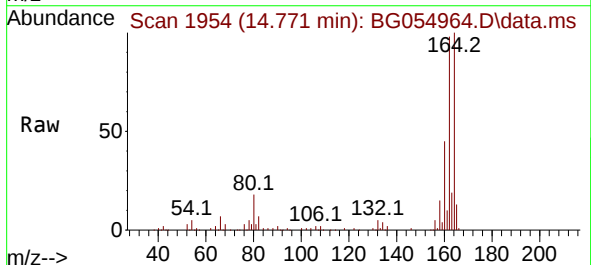
Instrument :
BNA_G
ClientSampleId :
SASP2-T-6-(5-10)

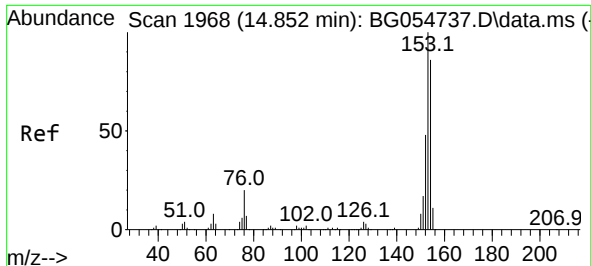
Tgt Ion:172 Resp: 476713
Ion Ratio Lower Upper
172 100
171 37.5 31.2 46.8
170 24.8 20.6 30.8



#51
2,6-Dinitrotoluene
Concen: 8.508 ng
RT: 14.771 min Scan# 1954
Delta R.T. 0.425 min
Lab File: BG054964.D
Acq: 15 Sep 2022 20:21

Tgt Ion:165 Resp: 15401
Ion Ratio Lower Upper
165 100
63 0.0 46.0 69.0#
89 0.0 50.3 75.5#

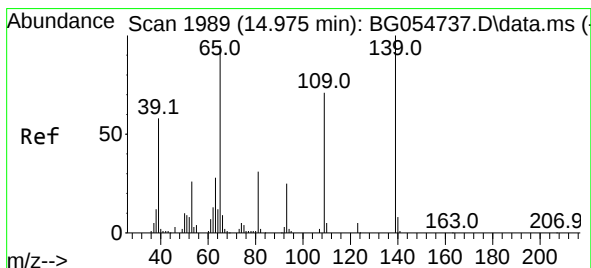
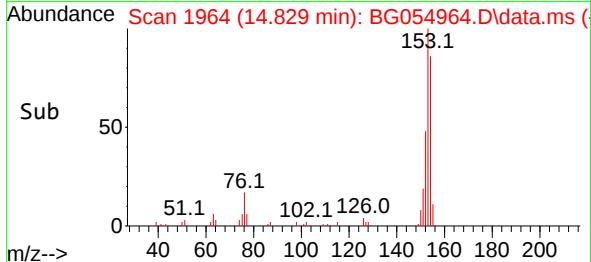
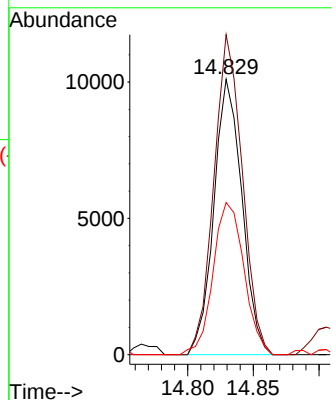
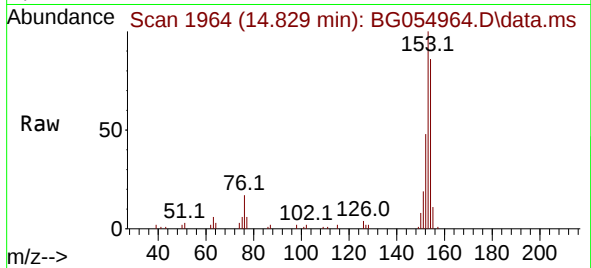




#52
Acenaphthene
Concen: 2.190 ng
RT: 14.829 min Scan# 1964
Delta R.T. -0.009 min
Lab File: BG054964.D
Acq: 15 Sep 2022 20:21

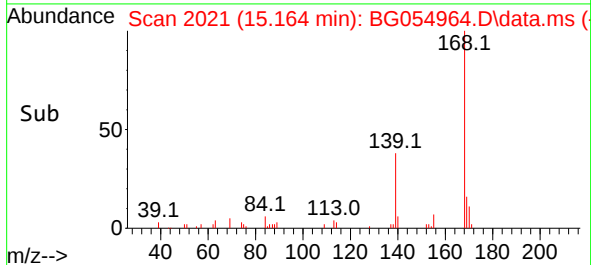
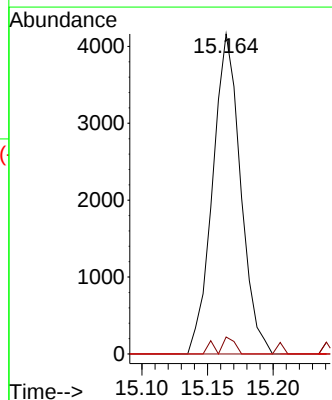
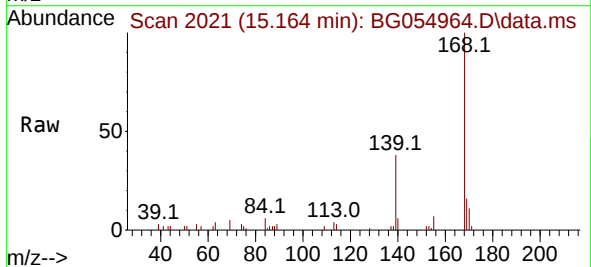
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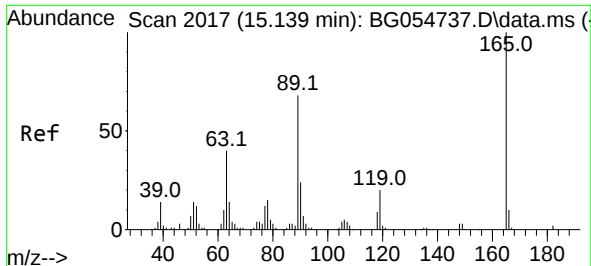
Tgt Ion:154 Resp: 15038
Ion Ratio Lower Upper
154 100
153 116.2 92.8 139.2
152 55.2 45.4 68.2



#56
4-Nitrophenol
Concen: 3.929 ng
RT: 15.164 min Scan# 2021
Delta R.T. 0.167 min
Lab File: BG054964.D
Acq: 15 Sep 2022 20:21

Tgt Ion:139 Resp: 6161
Ion Ratio Lower Upper
139 100
109 5.3 50.5 90.5#
65 0.0 79.9 119.9#





#57

2,4-Dinitrotoluene

Concen: 6.151 ng

RT: 14.771 min Scan# 1954

Delta R.T. -0.368 min

Lab File: BG054964.D

Acq: 15 Sep 2022 20:21

Instrument :

BNA_G

ClientSampleId :

SASP2-T-6-(5-10)

Tgt Ion:165 Resp: 15401

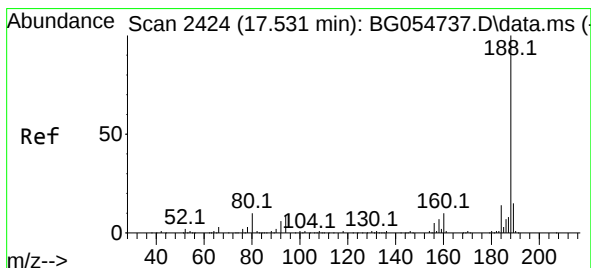
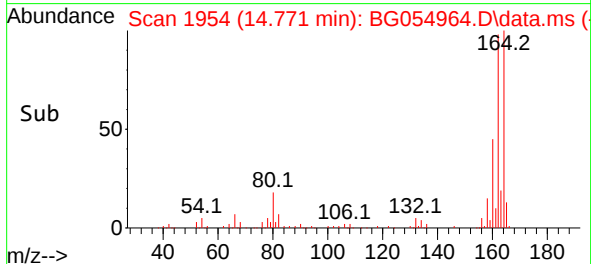
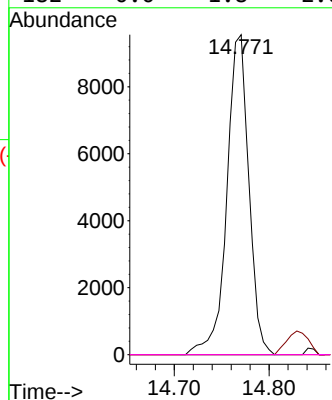
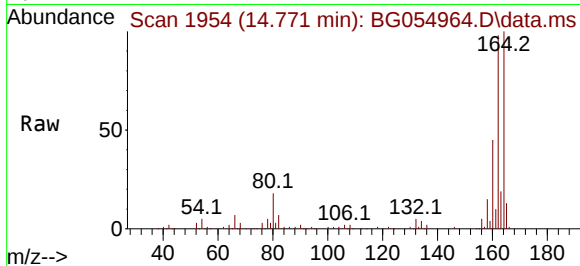
Ion Ratio Lower Upper

165 100

63 0.0 36.8 55.2#

89 0.0 64.3 96.5#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.514 min Scan# 2421

Delta R.T. -0.009 min

Lab File: BG054964.D

Acq: 15 Sep 2022 20:21

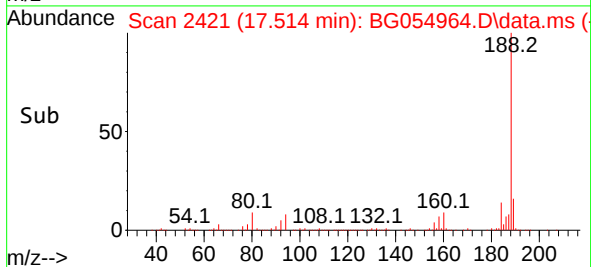
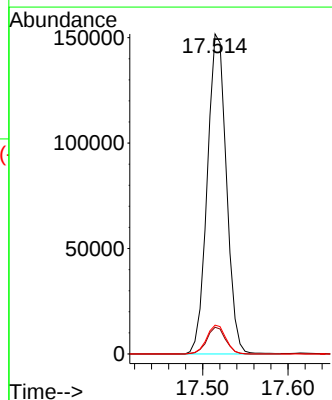
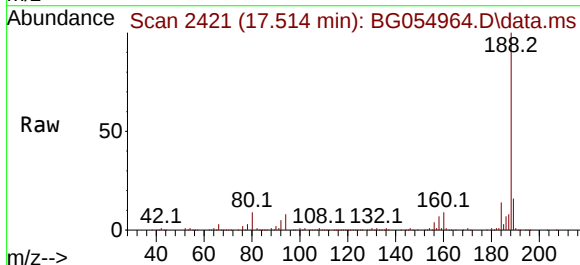
Tgt Ion:188 Resp: 236892

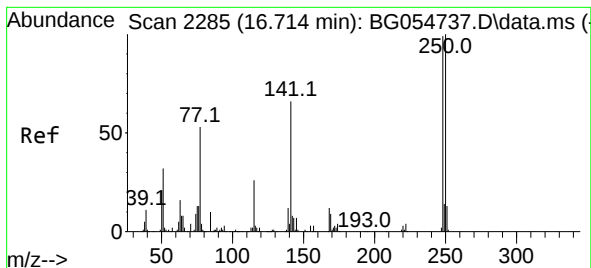
Ion Ratio Lower Upper

188 100

94 8.3 7.0 10.4

80 9.0 7.9 11.9

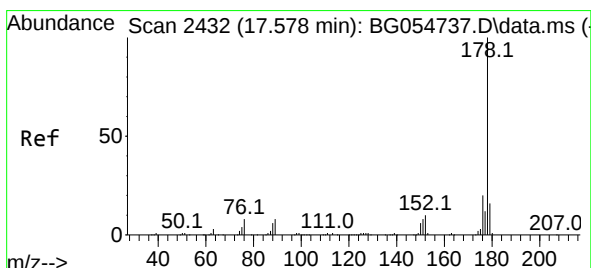
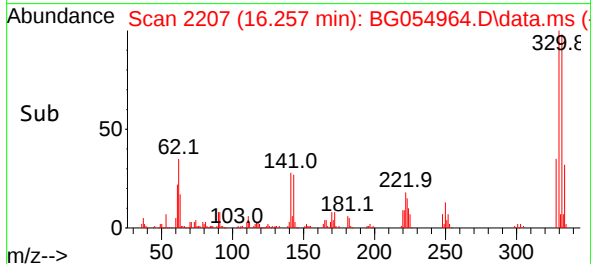
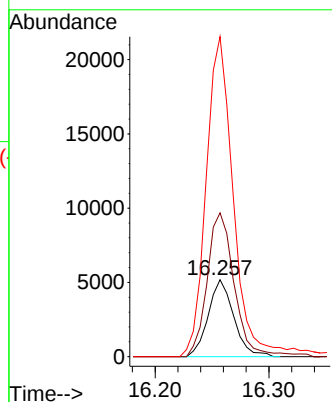
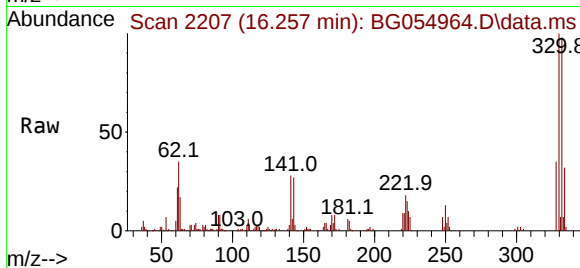




#67
4-Bromophenyl-phenylether
Concen: 3.112 ng
RT: 16.257 min Scan# 21
Delta R.T. -0.444 min
Lab File: BG054964.D
Acq: 15 Sep 2022 20:21

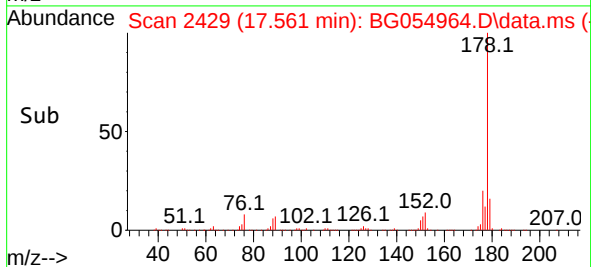
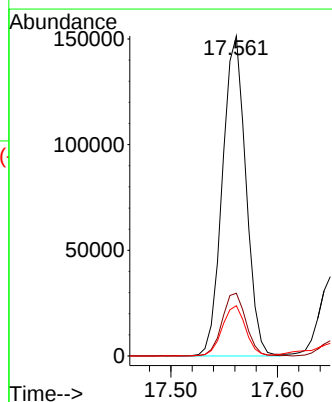
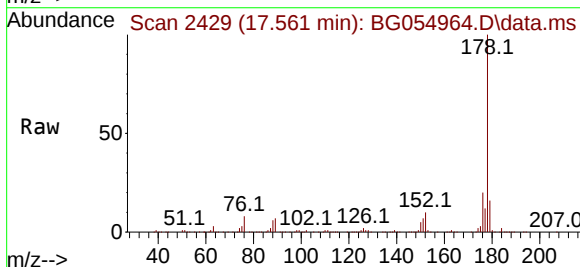
Instrument :
BNA_G
ClientSampleId :
SASP2-T-6-(5-10)

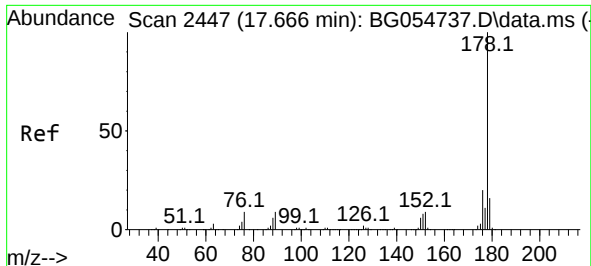
Tgt Ion:248 Resp: 8093
Ion Ratio Lower Upper
248 100
250 186.9 78.8 118.2#
141 415.8 51.9 77.9#



#71
Phenanthrene
Concen: 18.328 ng
RT: 17.561 min Scan# 2429
Delta R.T. -0.004 min
Lab File: BG054964.D
Acq: 15 Sep 2022 20:21

Tgt Ion:178 Resp: 231283
Ion Ratio Lower Upper
178 100
176 19.6 16.6 25.0
179 15.7 12.8 19.2

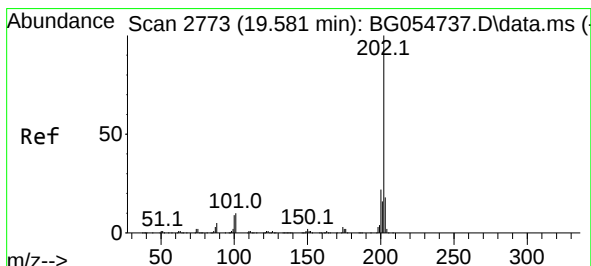
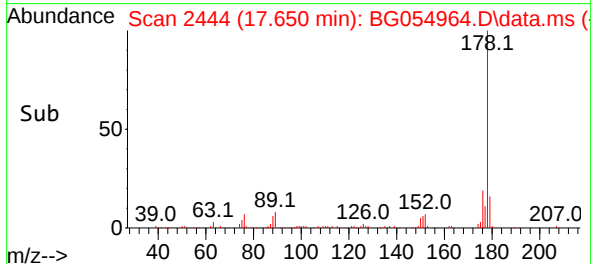
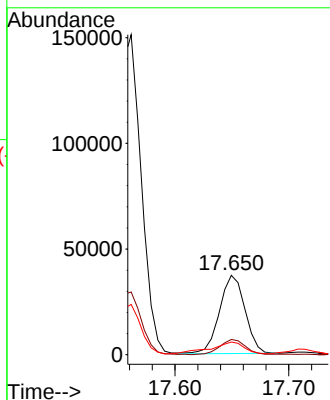
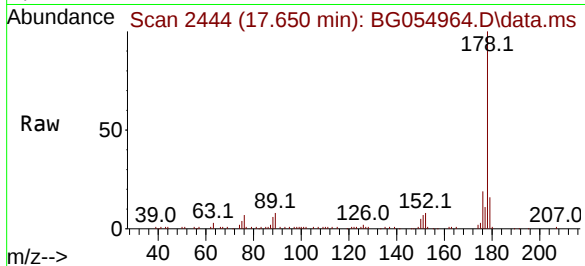




#72
 Anthracene
 Concen: 4.722 ng
 RT: 17.650 min Scan# 2444
 Delta R.T. -0.009 min
 Lab File: BG054964.D
 Acq: 15 Sep 2022 20:21

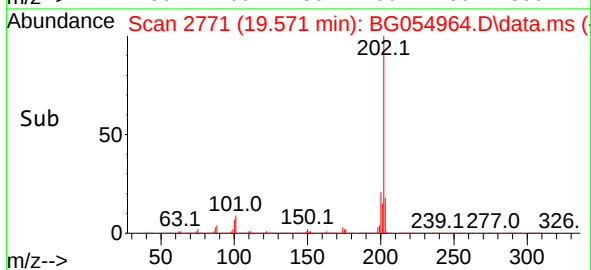
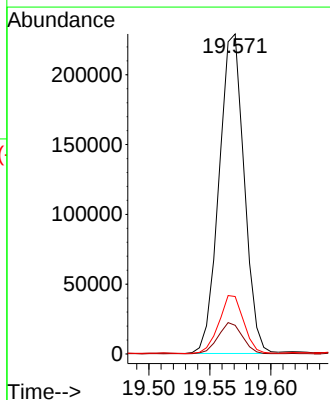
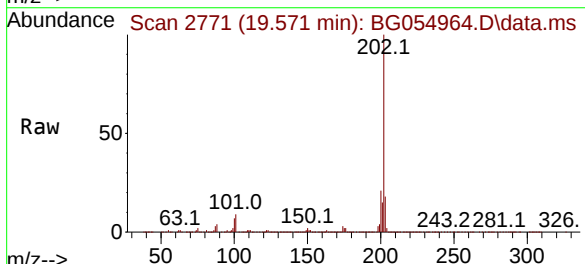
Instrument :
 BNA_G
 ClientSampleId :
 SASP2-T-6-(5-10)

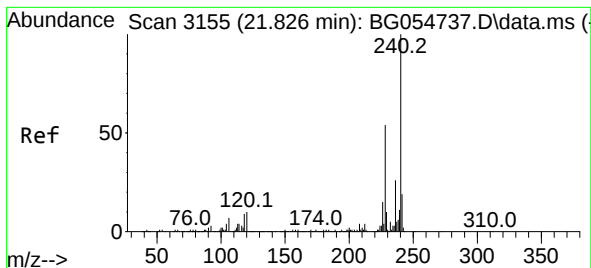
Tgt Ion:178 Resp: 57936
 Ion Ratio Lower Upper
 178 100
 176 19.1 16.2 24.4
 179 16.0 12.9 19.3



#75
 Fluoranthene
 Concen: 21.359 ng
 RT: 19.571 min Scan# 2771
 Delta R.T. 0.002 min
 Lab File: BG054964.D
 Acq: 15 Sep 2022 20:21

Tgt Ion:202 Resp: 327900
 Ion Ratio Lower Upper
 202 100
 101 9.0 0.0 31.4
 203 18.0 0.0 38.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.809 min Scan# 31

Delta R.T. -0.009 min

Lab File: BG054964.D

Acq: 15 Sep 2022 20:21

Instrument :

BNA_G

ClientSampleId :

SASP2-T-6-(5-10)

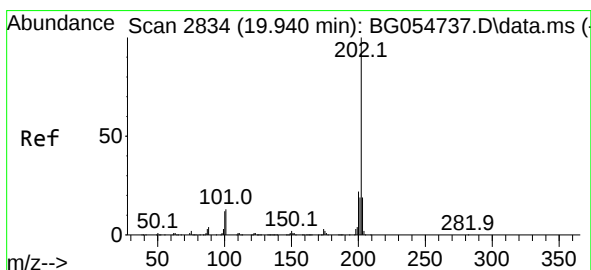
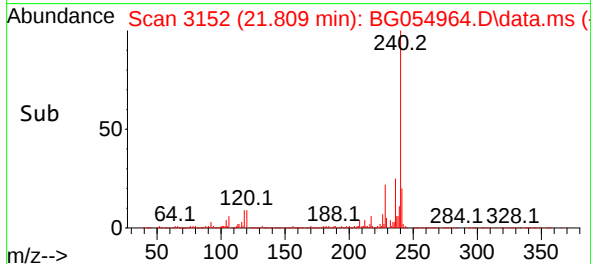
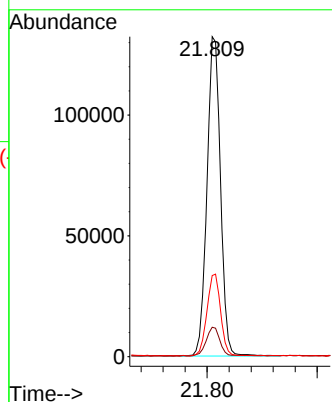
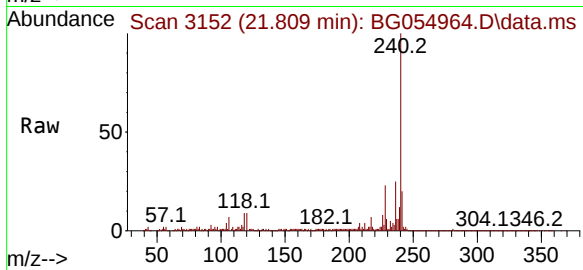
Tgt Ion:240 Resp: 224756

Ion Ratio Lower Upper

240 100

120 9.2 8.2 12.4

236 25.4 21.2 31.8



#78

Pyrene

Concen: 18.651 ng

RT: 19.929 min Scan# 2832

Delta R.T. -0.004 min

Lab File: BG054964.D

Acq: 15 Sep 2022 20:21

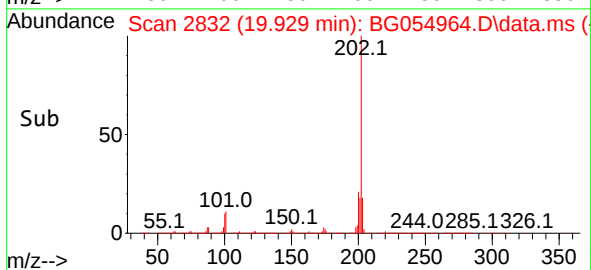
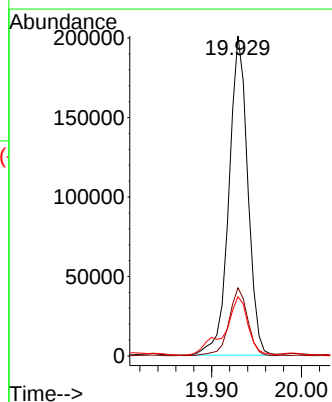
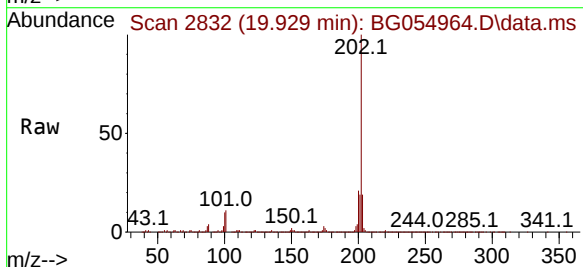
Tgt Ion:202 Resp: 292293

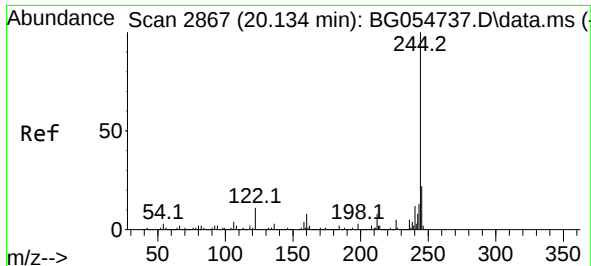
Ion Ratio Lower Upper

202 100

200 21.3 17.8 26.6

203 18.5 14.6 21.8

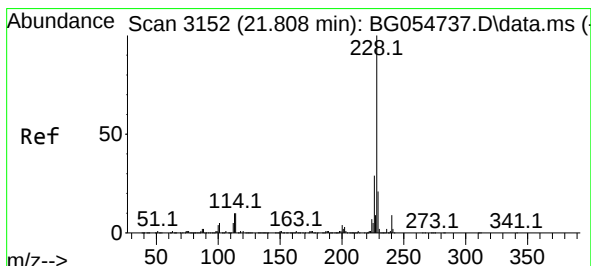
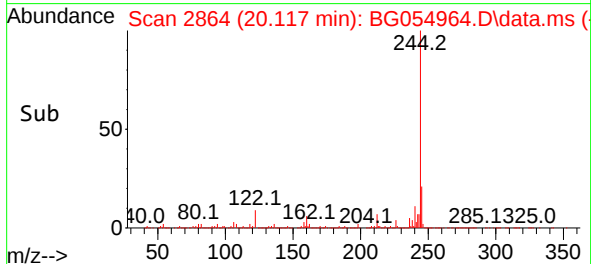
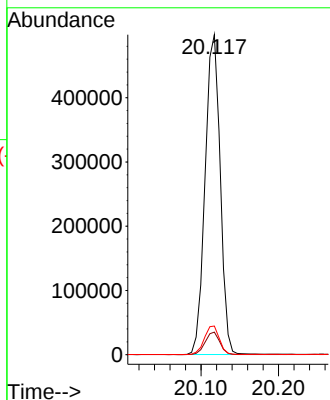
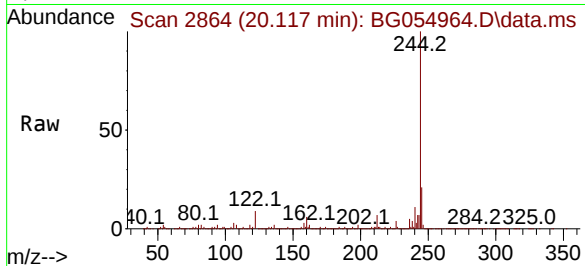




#79
 Terphenyl-d14
 Concen: 59.434 ng
 RT: 20.117 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BG054964.D
 Acq: 15 Sep 2022 20:21

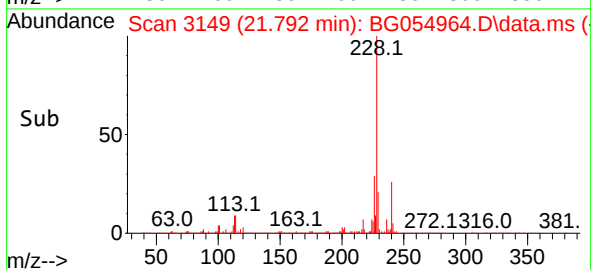
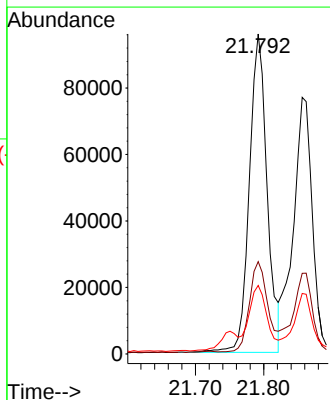
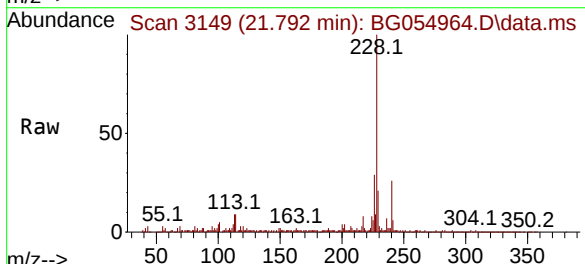
Instrument :
 BNA_G
 ClientSampleId :
 SASP2-T-6-(5-10)

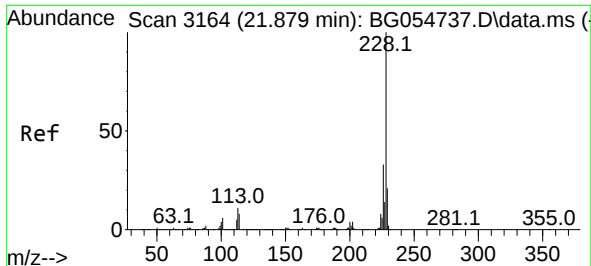
Tgt Ion:244 Resp: 674176
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.2 9.2
 122 9.0 9.0 13.6#



#81
 Benzo(a)anthracene
 Concen: 11.307 ng
 RT: 21.792 min Scan# 3149
 Delta R.T. -0.004 min
 Lab File: BG054964.D
 Acq: 15 Sep 2022 20:21

Tgt Ion:228 Resp: 172301
 Ion Ratio Lower Upper
 228 100
 226 28.8 23.4 35.2
 229 21.4 16.5 24.7

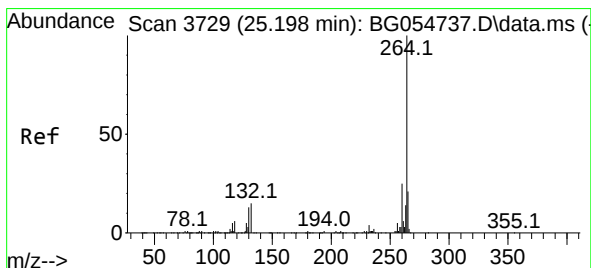
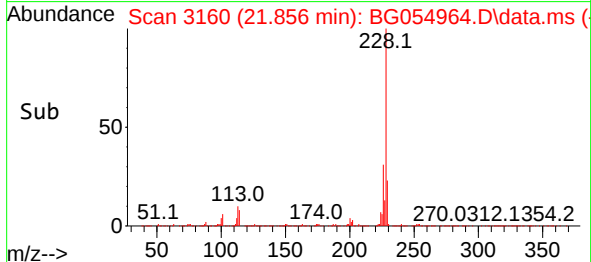
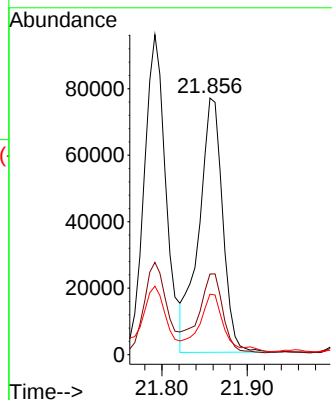
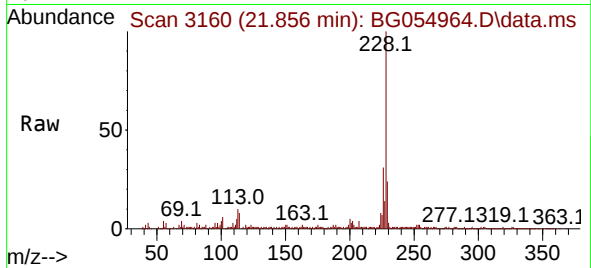




#83
Chrysene
Concen: 10.203 ng
RT: 21.856 min Scan# 31
Delta R.T. -0.009 min
Lab File: BG054964.D
Acq: 15 Sep 2022 20:21

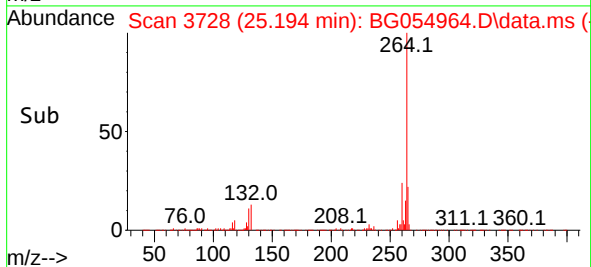
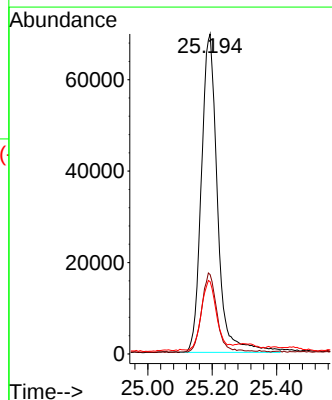
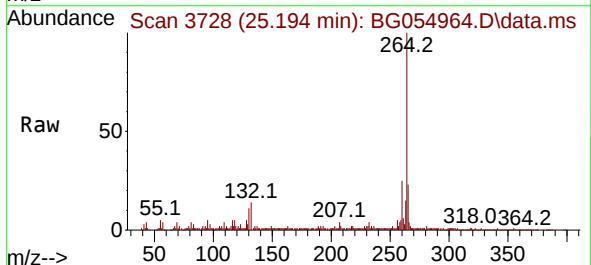
Instrument :
BNA_G
ClientSampleId :
SASP2-T-6-(5-10)

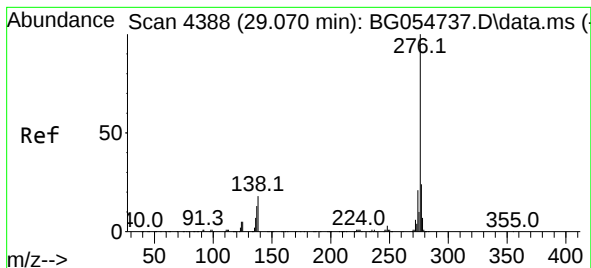
Tgt Ion:228 Resp: 148668
Ion Ratio Lower Upper
228 100
226 31.4 25.5 38.3
229 23.5 16.8 25.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.194 min Scan# 3728
Delta R.T. 0.008 min
Lab File: BG054964.D
Acq: 15 Sep 2022 20:21

Tgt Ion:264 Resp: 241682
Ion Ratio Lower Upper
264 100
260 24.8 19.9 29.9
265 22.6 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.018 ng

RT: 29.089 min Scan# 41

Delta R.T. 0.002 min

Lab File: BG054964.D

Acq: 15 Sep 2022 20:21

Instrument :

BNA_G

ClientSampleId :

SASP2-T-6-(5-10)

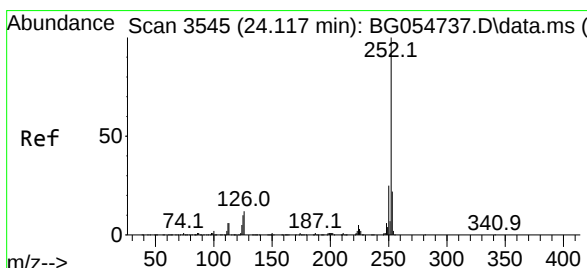
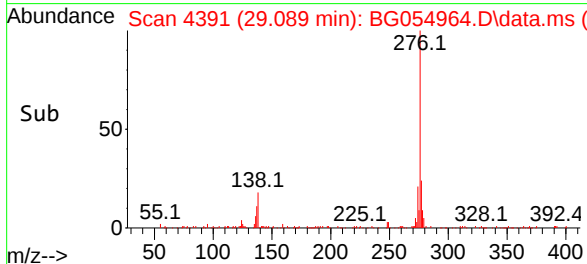
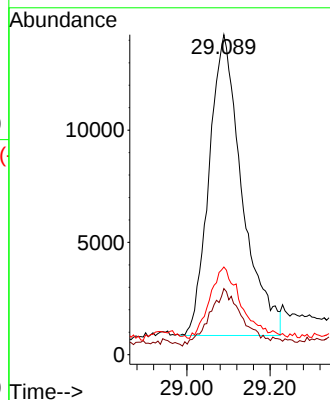
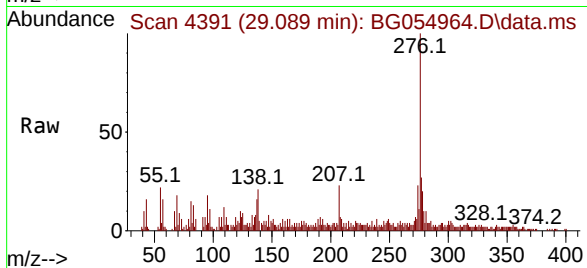
Tgt Ion:276 Resp: 73715

Ion Ratio Lower Upper

276 100

138 18.9 12.0 18.0#

277 22.2 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 12.926 ng

RT: 24.113 min Scan# 3544

Delta R.T. 0.002 min

Lab File: BG054964.D

Acq: 15 Sep 2022 20:21

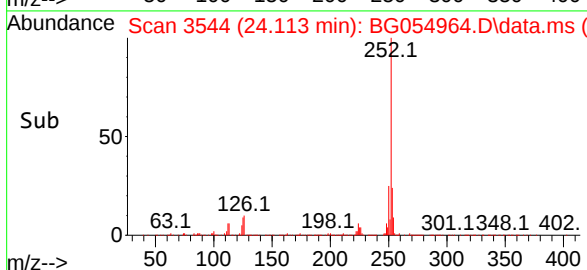
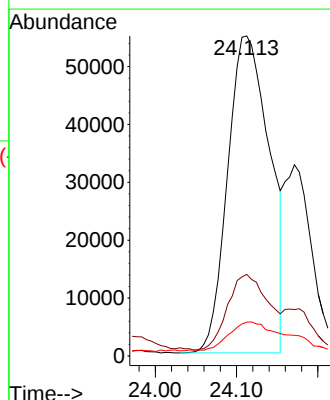
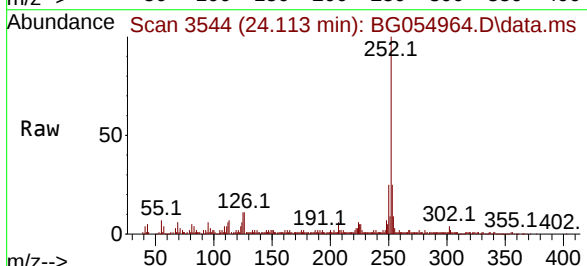
Tgt Ion:252 Resp: 195970

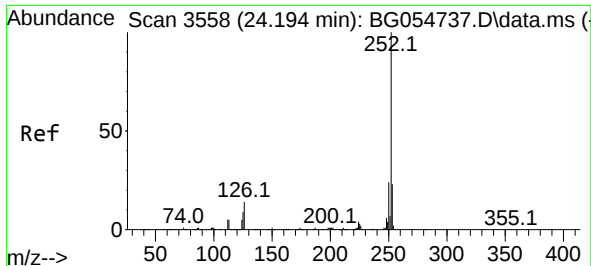
Ion Ratio Lower Upper

252 100

253 25.5 18.0 27.0

125 10.6 8.1 12.1

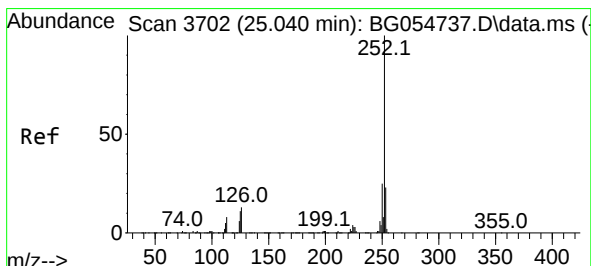
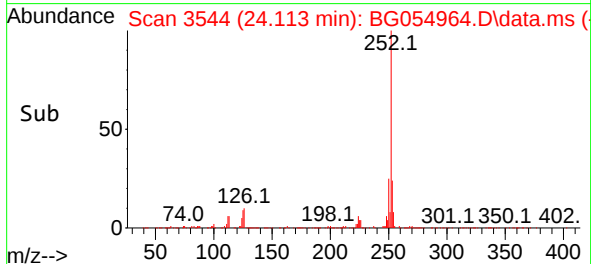
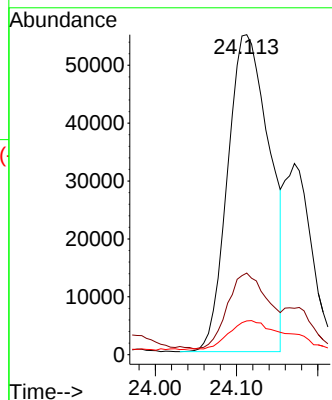
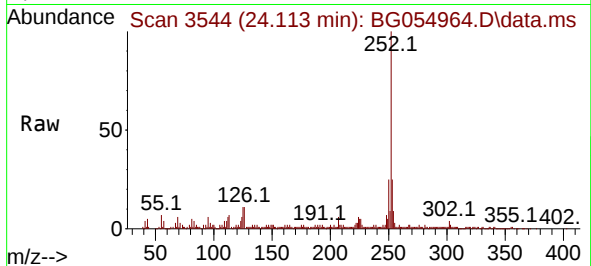




#89
Benzo(k)fluoranthene
Concen: 12.844 ng
RT: 24.113 min Scan# 311
Delta R.T. -0.068 min
Lab File: BG054964.D
Acq: 15 Sep 2022 20:21

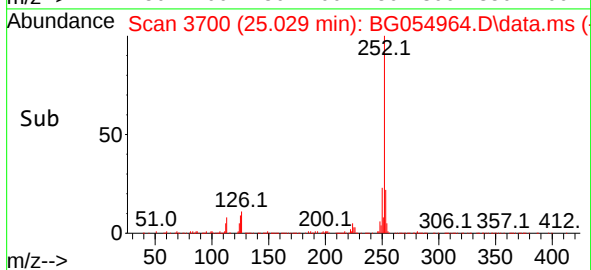
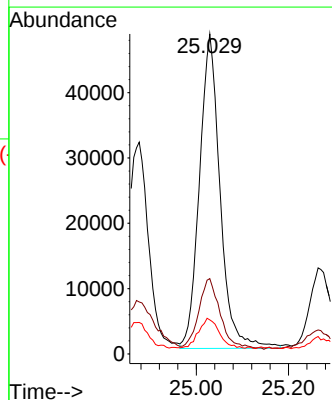
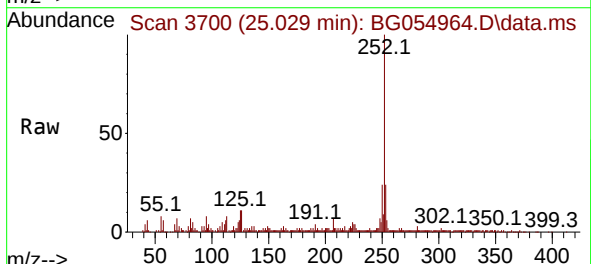
Instrument :
BNA_G
ClientSampleId :
SASP2-T-6-(5-10)

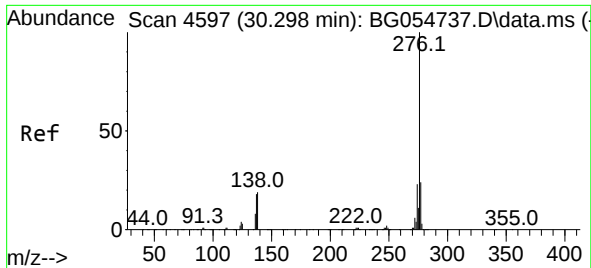
Tgt Ion:252 Resp: 195970
Ion Ratio Lower Upper
252 100
253 25.5 17.8 26.8
125 10.6 8.2 12.4



#90
Benzo(a)pyrene
Concen: 11.571 ng
RT: 25.029 min Scan# 3700
Delta R.T. -0.004 min
Lab File: BG054964.D
Acq: 15 Sep 2022 20:21

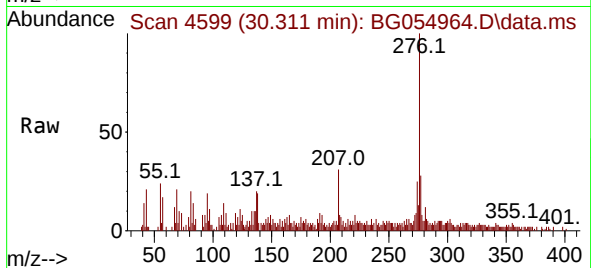
Tgt Ion:252 Resp: 149872
Ion Ratio Lower Upper
252 100
253 23.6 18.3 27.5
125 10.6 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 4.377 ng
 RT: 30.311 min Scan# 4
 Delta R.T. 0.002 min
 Lab File: BG054964.D
 Acq: 15 Sep 2022 20:21

Instrument :
 BNA_G
 ClientSampleId :
 SASP2-T-6-(5-10)



Tgt Ion:	276	Resp:	66100
Ion Ratio	Lower	Upper	
276	100		
277	28.2	19.4	29.0
138	18.9	16.6	25.0

