

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111822\
 Data File : BG055699.D
 Acq On : 18 Nov 2022 20:57
 Operator : CG/JU
 Sample : N5528-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SAMPLE-3

Quant Time: Nov 18 23:59:47 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 17 02:02:46 2022
 Response via : Initial Calibration

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

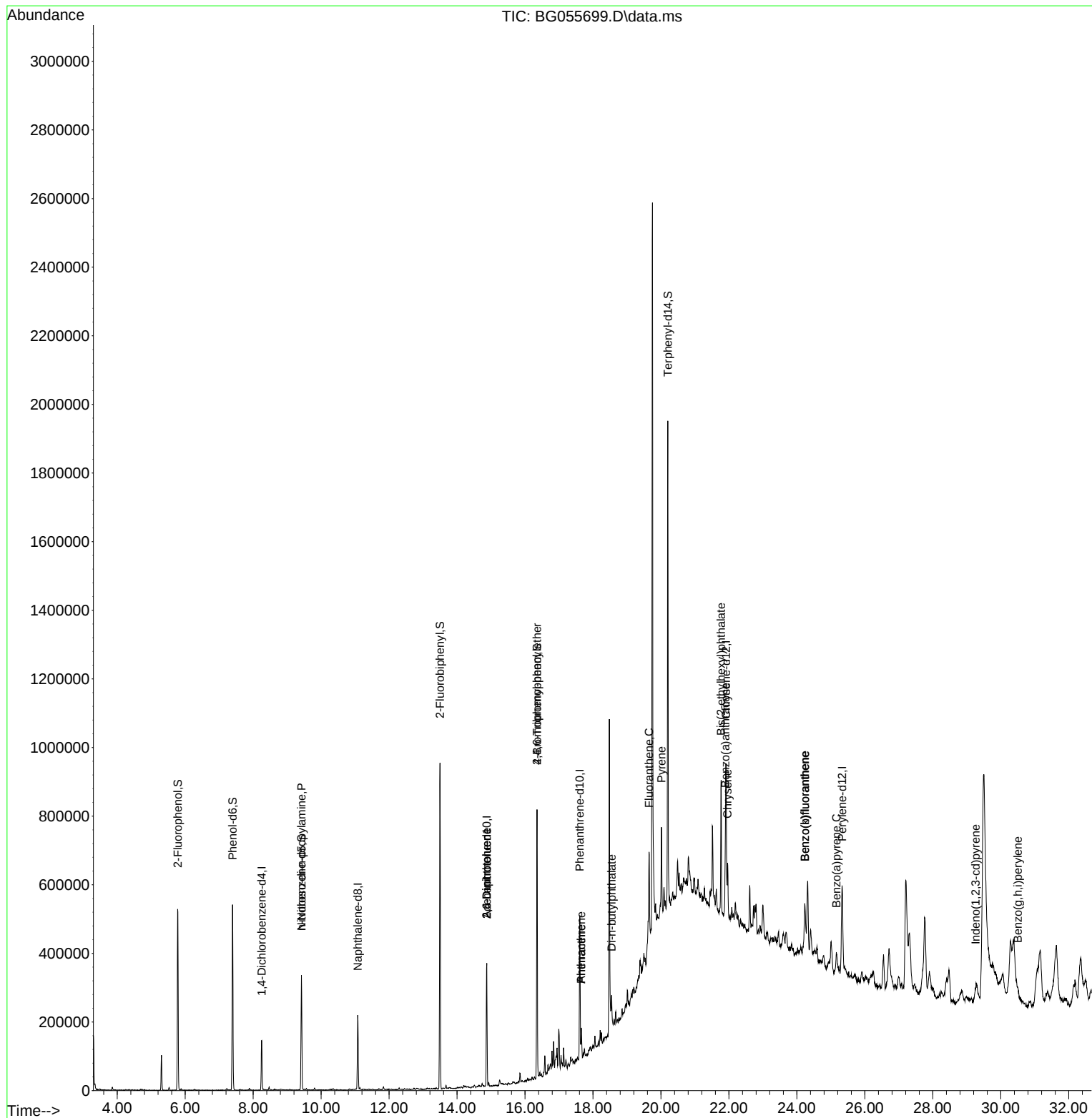
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.250	152	42534	20.000	ng	0.00
21) Naphthalene-d8	11.076	136	185454	20.000	ng	0.00
39) Acenaphthene-d10	14.872	164	132467	20.000	ng	0.00
64) Phenanthrene-d10	17.610	188	272326	20.000	ng	0.00
76) Chrysene-d12	21.911	240	251355	20.000	ng	0.00
86) Perylene-d12	25.330	264	268964	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.782	112	230495	97.951	ng	0.00
7) Phenol-d6	7.392	99	297111	94.849	ng	0.00
23) Nitrobenzene-d5	9.419	82	194675	55.483	ng	0.00
42) 2,4,6-Tribromophenol	16.352	330	158488	84.966	ng	0.00
45) 2-Fluorobiphenyl	13.497	172	496948	56.202	ng	0.00
79) Terphenyl-d14	20.201	244	694750	55.284	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.419	70	26665	11.079	ng	# 77
51) 2,6-Dinitrotoluene	14.872	165	17512	8.111	ng	# 27
57) 2,4-Dinitrotoluene	14.872	165	17512	5.753	ng	# 25
67) 4-Bromophenyl-phenylether	16.352	248	9921	3.197	ng	# 1
71) Phenanthrene	17.651	178	52618	3.580	ng	98
72) Anthracene	17.651	178	52618	3.685	ng	98
74) Di-n-butylphthalate	18.550	149	57120	3.584	ng	98
75) Fluoranthene	19.649	202	163418	9.140	ng	99
78) Pyrene	20.013	202	130917	7.695	ng	98
81) Benzo(a)anthracene	21.893	228	79894	4.615	ng	95
83) Chrysene	21.958	228	131959	8.007	ng	97
84) Bis(2-ethylhexyl)phtha...	21.770	149	171095	17.874	ng	100
87) Indeno(1,2,3-cd)pyrene	29.255	276	67847	3.079	ng	# 92
88) Benzo(b)fluoranthene	24.237	252	184823	10.551	ng	# 94
89) Benzo(k)fluoranthene	24.237	252	184823	10.585	ng	# 94
90) Benzo(a)pyrene	25.160	252	75364	5.014	ng	# 90
92) Benzo(g,h,i)perylene	30.501	276	69194	3.813	ng	97

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

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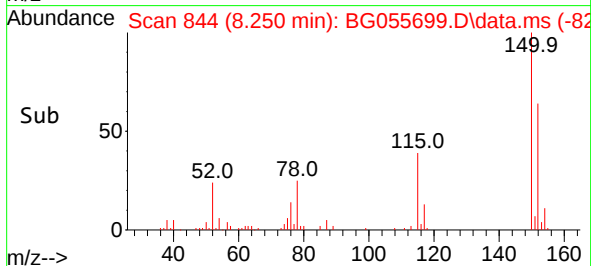
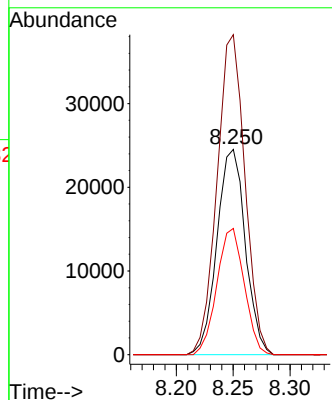
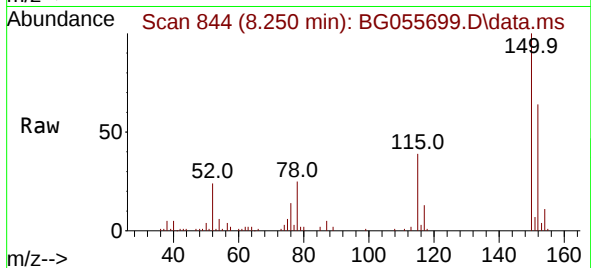




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.250 min Scan# 845
Delta R.T. -0.003 min
Lab File: BG055699.D
Acq: 18 Nov 2022 20:57

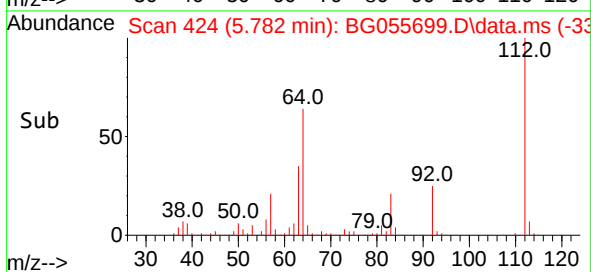
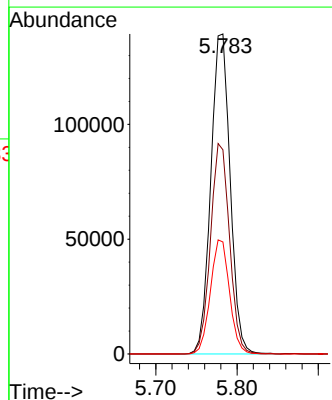
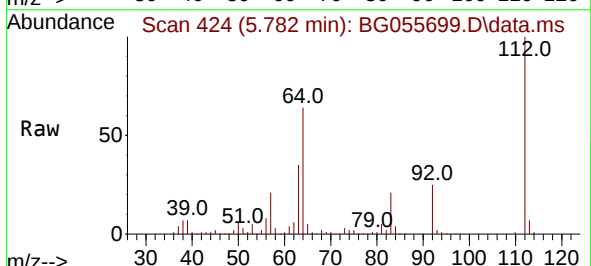
Instrument :
BNA_G
ClientSampleId :
SAMPLE-3

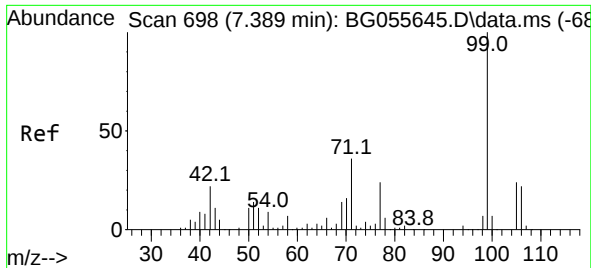
Tgt Ion:152 Resp: 42534
Ion Ratio Lower Upper
152 100
150 155.9 123.0 184.6
115 61.5 47.0 70.4



#5
2-Fluorophenol
Concen: 97.951 ng
RT: 5.782 min Scan# 424
Delta R.T. 0.003 min
Lab File: BG055699.D
Acq: 18 Nov 2022 20:57

Tgt Ion:112 Resp: 230495
Ion Ratio Lower Upper
112 100
64 63.8 50.6 76.0
63 35.0 27.5 41.3

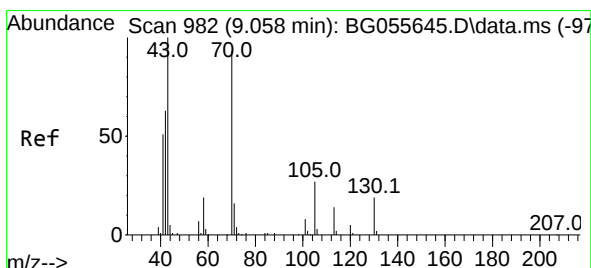
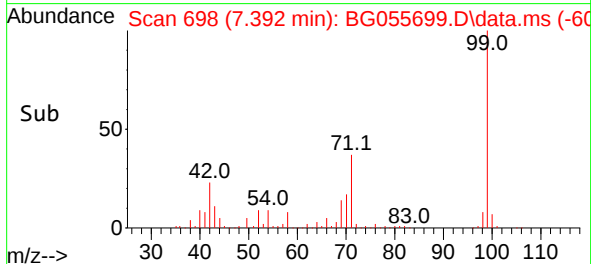
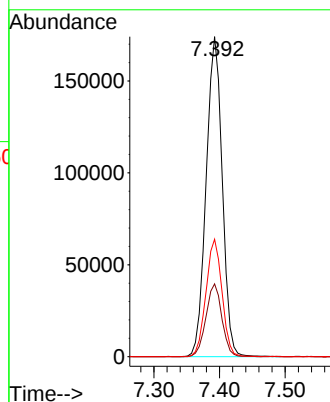
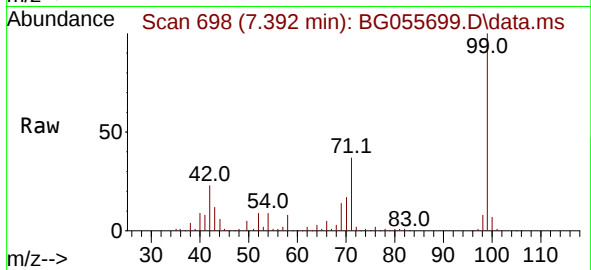




#7
Phenol-d6
Concen: 94.849 ng
RT: 7.392 min Scan# 61
Delta R.T. 0.003 min
Lab File: BG055699.D
Acq: 18 Nov 2022 20:57

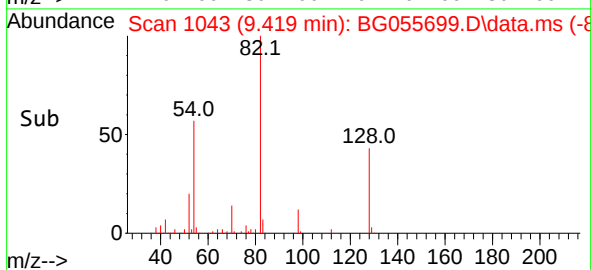
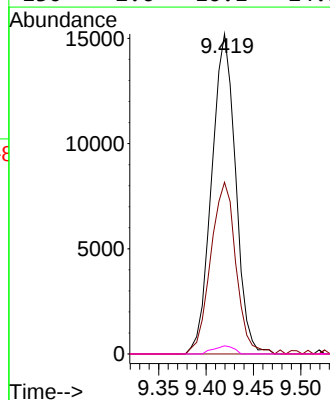
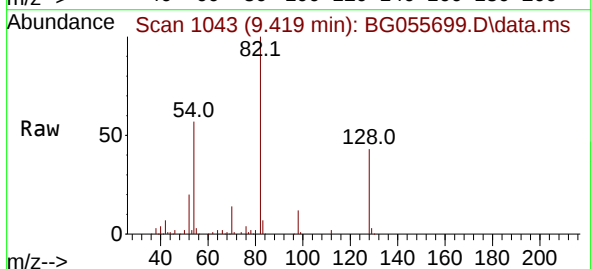
Instrument :
BNA_G
ClientSampleId :
SAMPLE-3

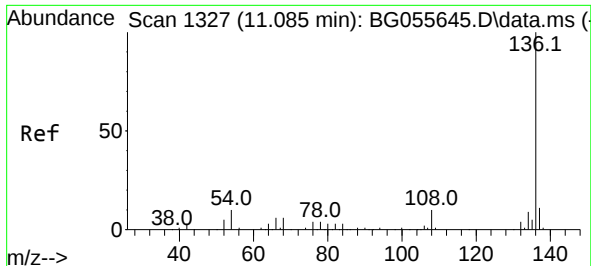
Tgt Ion: 99 Resp: 297111
Ion Ratio Lower Upper
99 100
42 22.8 18.0 27.0
71 36.7 29.0 43.6



#19
n-Nitroso-di-n-propylamine
Concen: 11.079 ng
RT: 9.419 min Scan# 1043
Delta R.T. 0.362 min
Lab File: BG055699.D
Acq: 18 Nov 2022 20:57

Tgt Ion: 70 Resp: 26665
Ion Ratio Lower Upper
70 100
42 53.6 55.2 82.8#
101 0.0 7.1 10.7#
130 2.6 16.1 24.1#

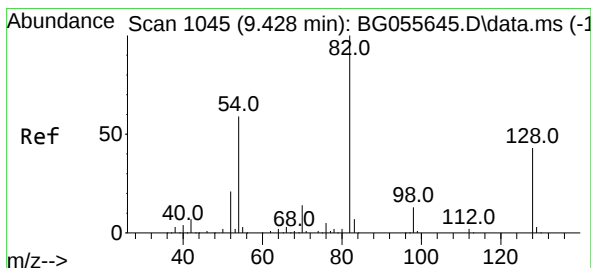
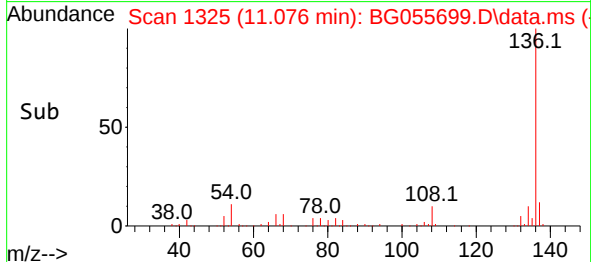
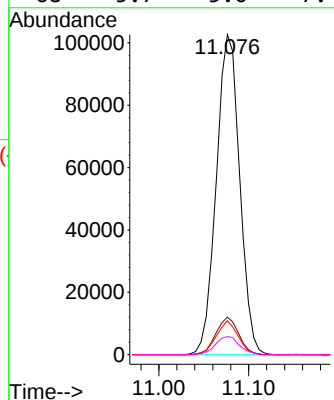
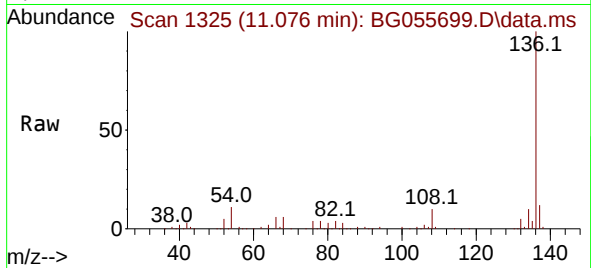




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.076 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG055699.D
Acq: 18 Nov 2022 20:57

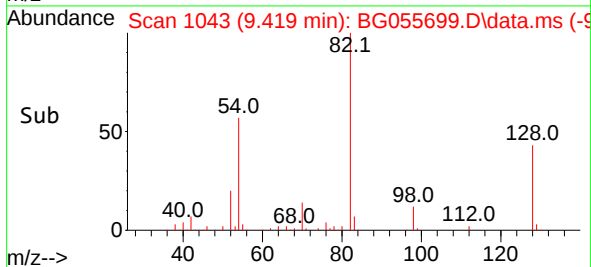
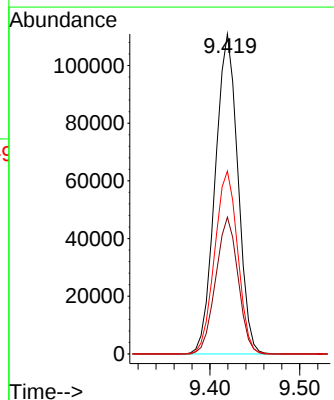
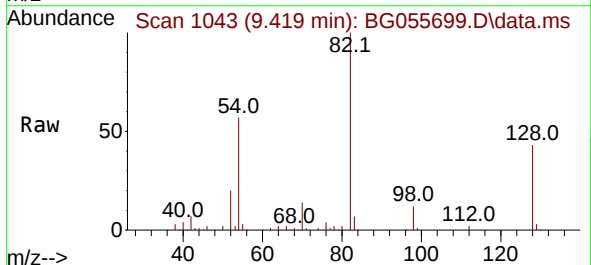
Instrument :
BNA_G
ClientSampleId :
SAMPLE-3

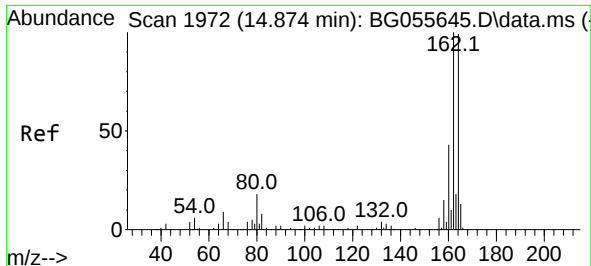
Tgt Ion:	136	Resp:	185454
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.0	13.6
54	10.6	7.8	11.6
68	5.7	5.0	7.4



#23
Nitrobenzene-d5
Concen: 55.483 ng
RT: 9.419 min Scan# 1043
Delta R.T. -0.008 min
Lab File: BG055699.D
Acq: 18 Nov 2022 20:57

Tgt Ion:	82	Resp:	194675
Ion	Ratio	Lower	Upper
82	100		
128	42.7	34.1	51.1
54	57.1	47.3	70.9

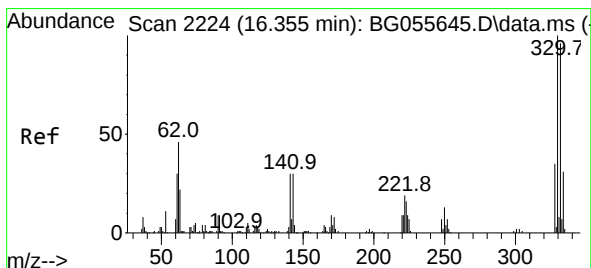
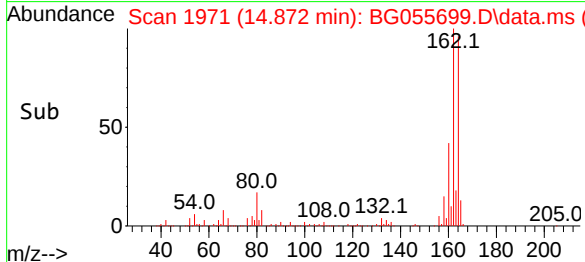
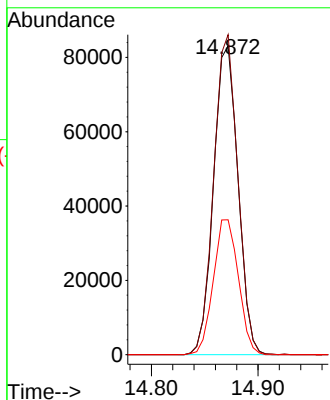
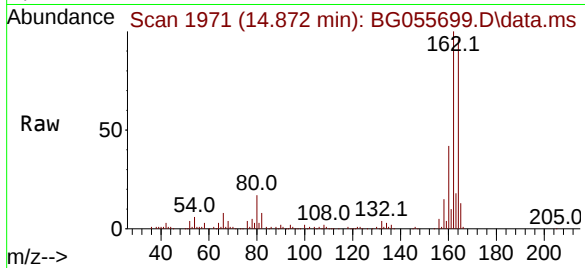




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.872 min Scan# 1972
Delta R.T. -0.003 min
Lab File: BG055699.D
Acq: 18 Nov 2022 20:57

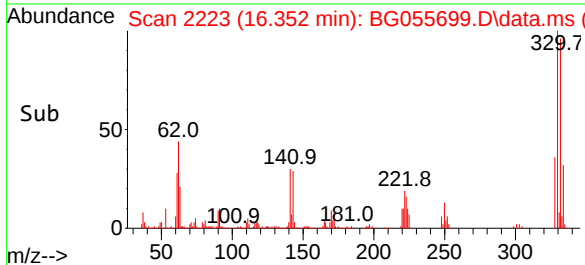
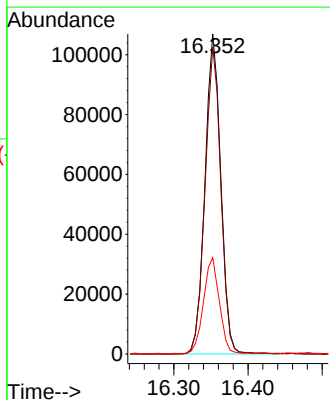
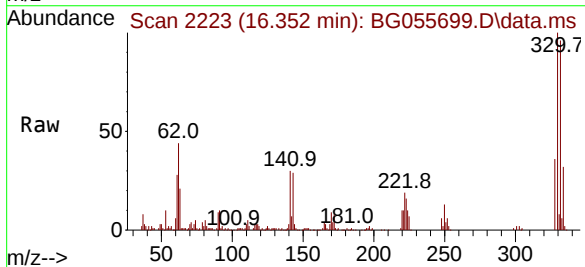
Instrument :
BNA_G
ClientSampleId :
SAMPLE-3

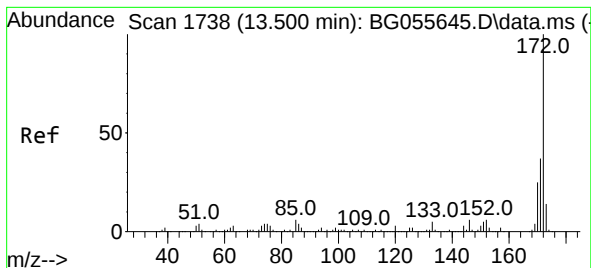
Tgt Ion:164 Resp: 132467
Ion Ratio Lower Upper
164 100
162 103.6 81.1 121.7
160 43.7 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 84.966 ng
RT: 16.352 min Scan# 2223
Delta R.T. -0.003 min
Lab File: BG055699.D
Acq: 18 Nov 2022 20:57

Tgt Ion:330 Resp: 158488
Ion Ratio Lower Upper
330 100
332 95.9 77.8 116.8
141 30.5 23.9 35.9

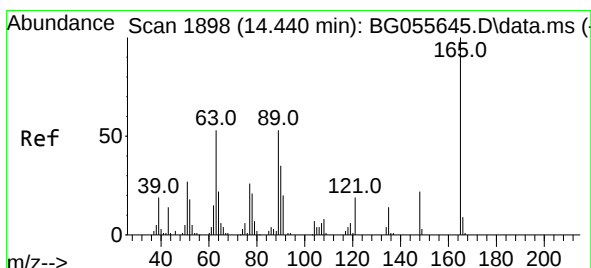
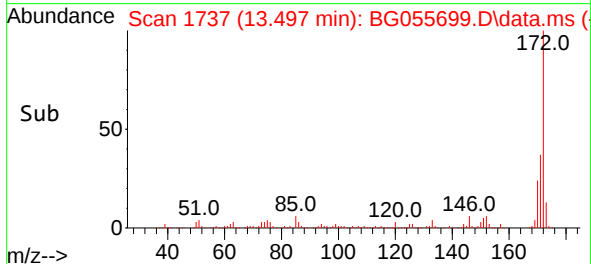
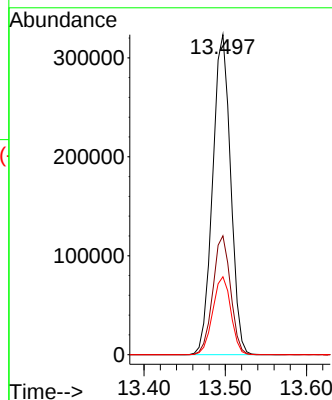
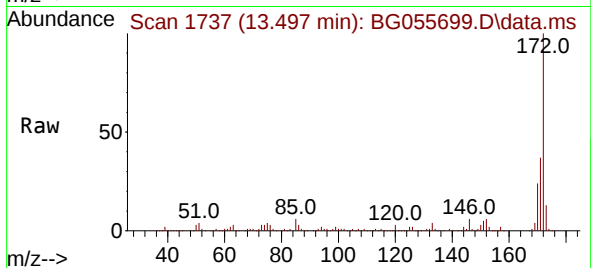




#45
2-Fluorobiphenyl
Concen: 56.202 ng
RT: 13.497 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG055699.D
Acq: 18 Nov 2022 20:57

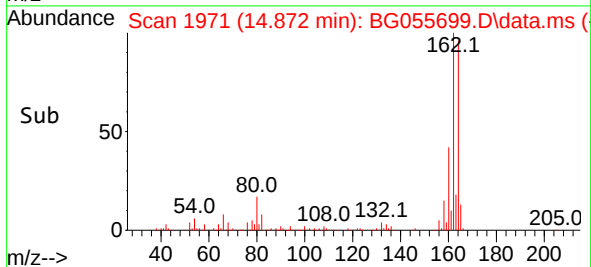
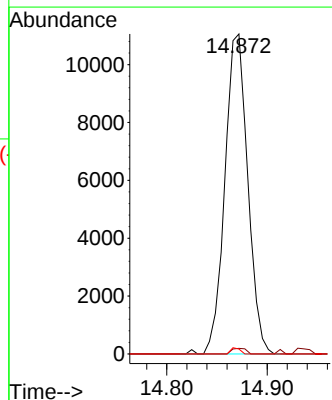
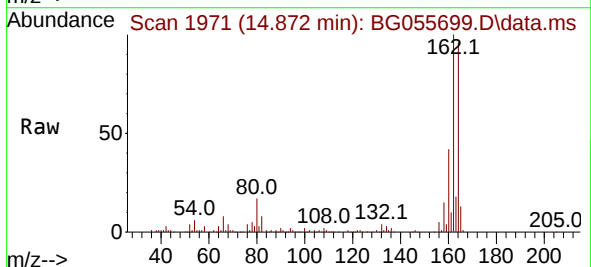
Instrument :
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ClientSampleId :
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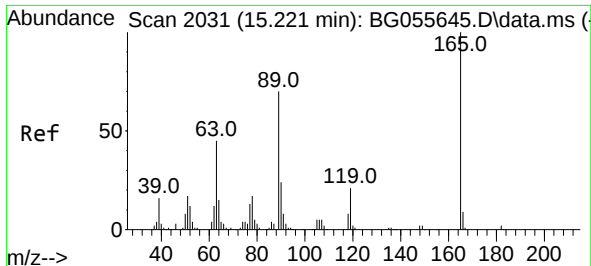
Tgt Ion:172 Resp: 496948
Ion Ratio Lower Upper
172 100
171 37.2 29.8 44.6
170 24.3 20.2 30.4



#51
2,6-Dinitrotoluene
Concen: 8.111 ng
RT: 14.872 min Scan# 1971
Delta R.T. 0.432 min
Lab File: BG055699.D
Acq: 18 Nov 2022 20:57

Tgt Ion:165 Resp: 17512
Ion Ratio Lower Upper
165 100
63 1.8 44.6 66.8#
89 1.6 42.2 63.4#





#57

2,4-Dinitrotoluene

Concen: 5.753 ng

RT: 14.872 min Scan# 14

Delta R.T. -0.349 min

Lab File: BG055699.D

Acq: 18 Nov 2022 20:57

Instrument :

BNA_G

ClientSampleId :

SAMPLE-3

Tgt Ion:165 Resp: 17512

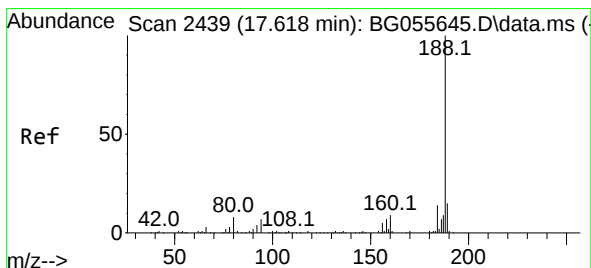
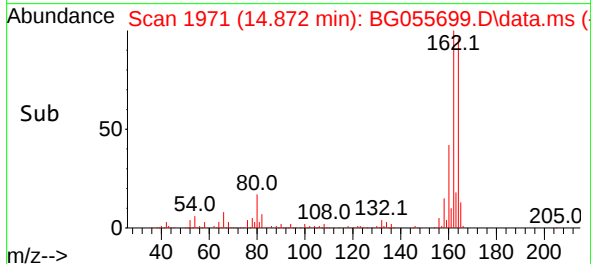
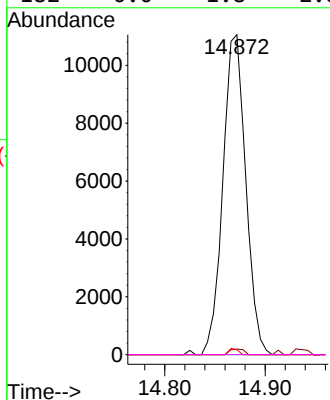
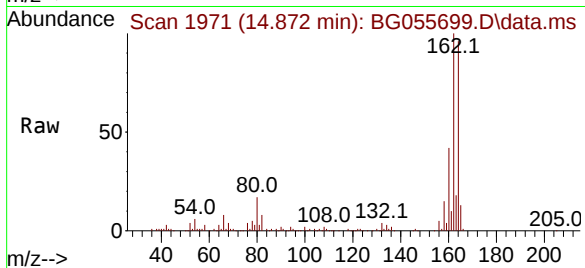
Ion Ratio Lower Upper

165 100

63 1.8 35.8 53.8#

89 1.6 56.2 84.4#

182 0.0 1.8 2.8#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.610 min Scan# 2437

Delta R.T. -0.008 min

Lab File: BG055699.D

Acq: 18 Nov 2022 20:57

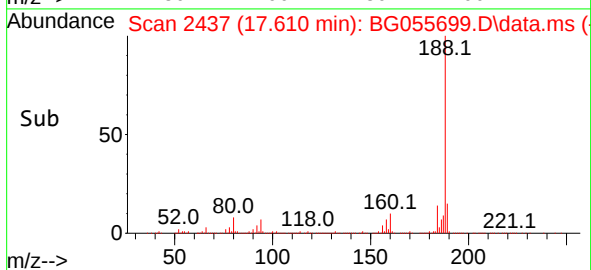
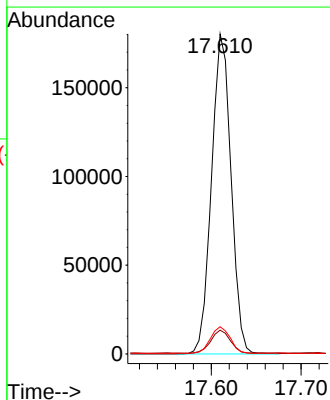
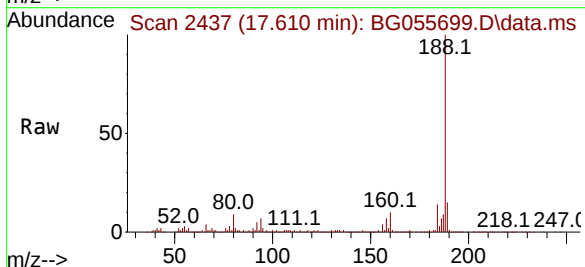
Tgt Ion:188 Resp: 272326

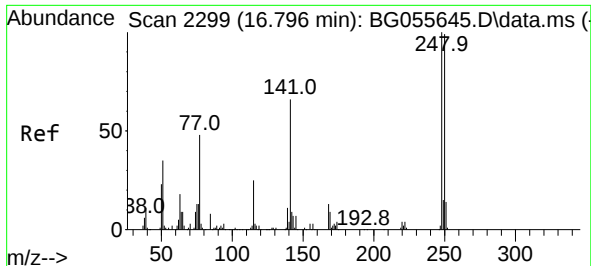
Ion Ratio Lower Upper

188 100

94 7.5 5.4 8.2

80 8.5 6.6 10.0

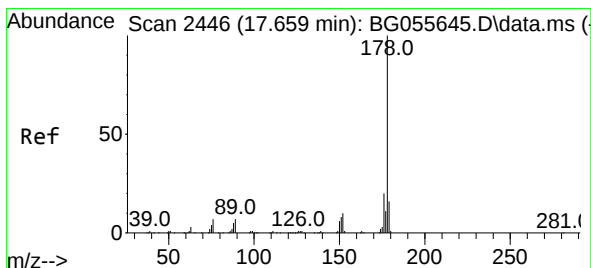
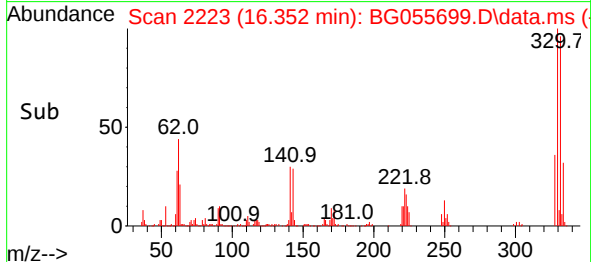
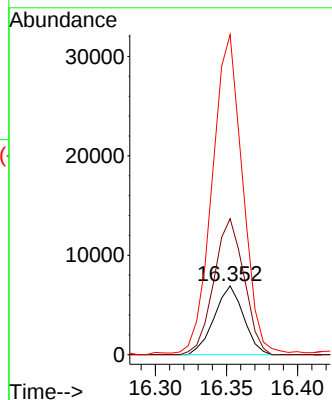
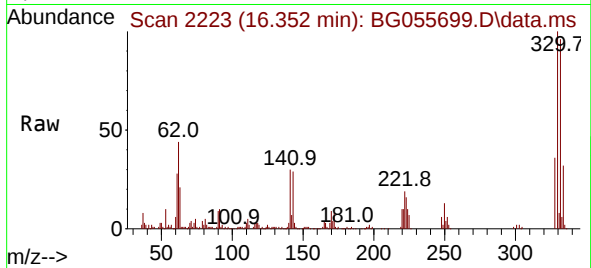




#67
4-Bromophenyl-phenylether
Concen: 3.197 ng
RT: 16.352 min Scan# 211
Delta R.T. -0.443 min
Lab File: BG055699.D
Acq: 18 Nov 2022 20:57

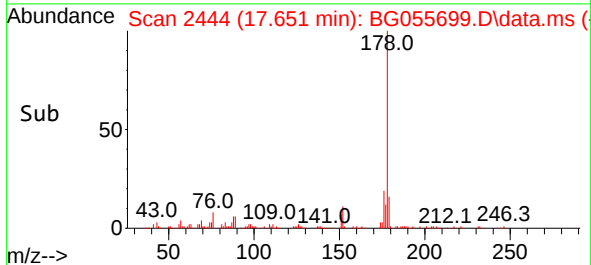
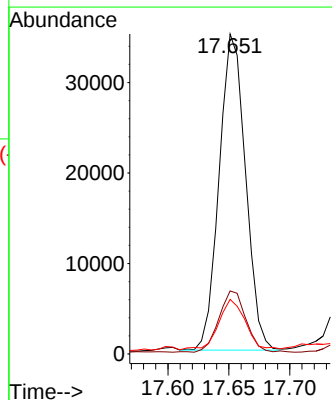
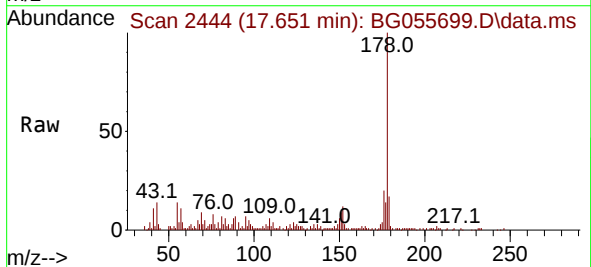
Instrument :
BNA_G
ClientSampleId :
SAMPLE-3

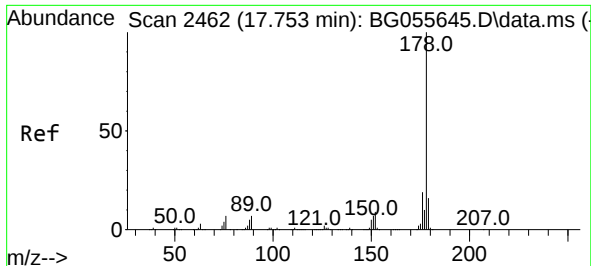
Tgt Ion:248 Resp: 9921
Ion Ratio Lower Upper
248 100
250 197.6 79.0 118.4#
141 464.9 52.9 79.3#



#71
Phenanthrene
Concen: 3.580 ng
RT: 17.651 min Scan# 2444
Delta R.T. -0.008 min
Lab File: BG055699.D
Acq: 18 Nov 2022 20:57

Tgt Ion:178 Resp: 52618
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 17.0 12.7 19.1

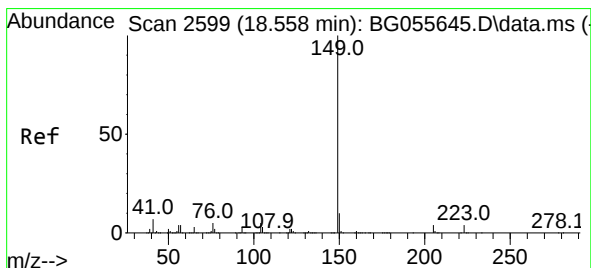
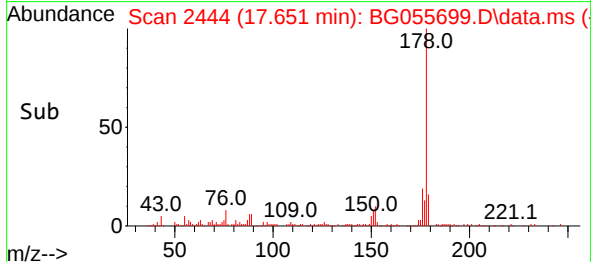
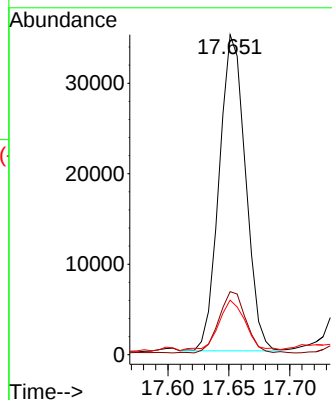
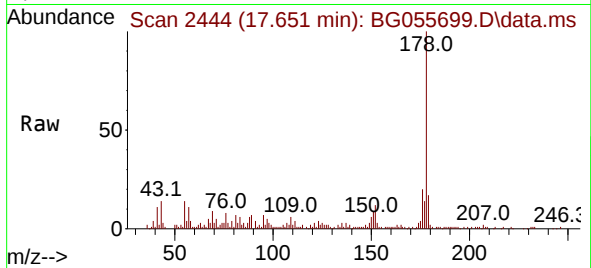




#72
 Anthracene
 Concen: 3.685 ng
 RT: 17.651 min Scan# 2462
 Delta R.T. -0.102 min
 Lab File: BG055699.D
 Acq: 18 Nov 2022 20:57

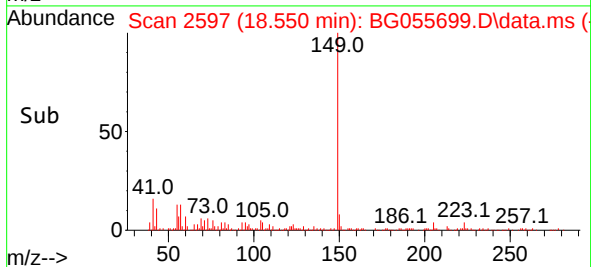
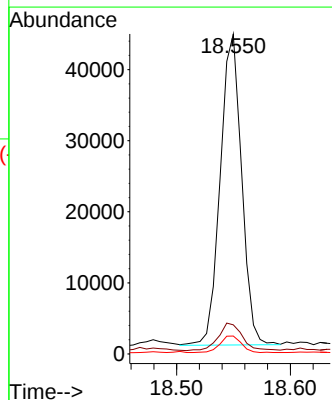
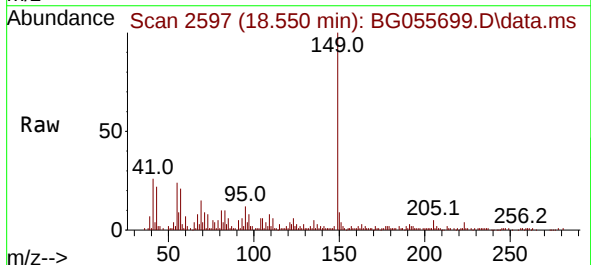
Instrument :
 BNA_G
 ClientSampleId :
 SAMPLE-3

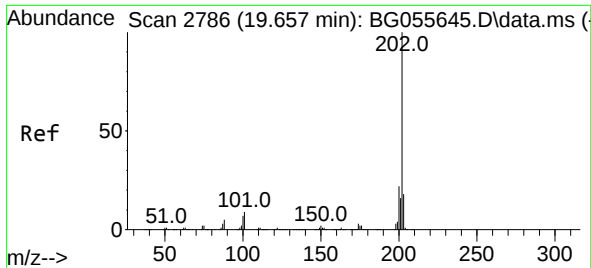
Tgt Ion:178 Resp: 52618
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.5 23.3
 179 17.0 12.5 18.7



#74
 Di-n-butylphthalate
 Concen: 3.584 ng
 RT: 18.550 min Scan# 2597
 Delta R.T. -0.008 min
 Lab File: BG055699.D
 Acq: 18 Nov 2022 20:57

Tgt Ion:149 Resp: 57120
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.8 11.6
 104 5.6 4.0 6.0

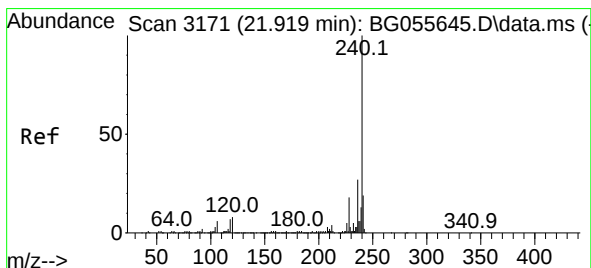
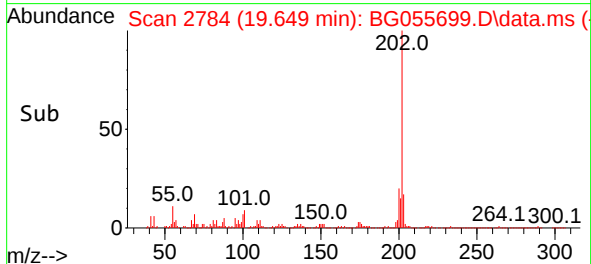
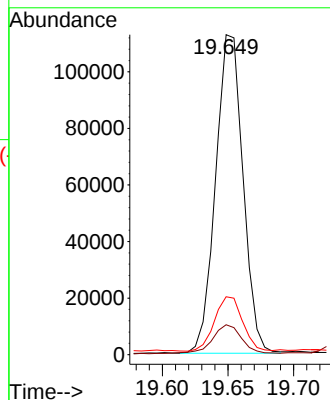
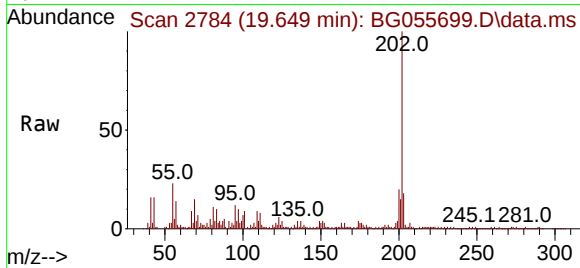




#75
Fluoranthene
Concen: 9.140 ng
RT: 19.649 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG055699.D
Acq: 18 Nov 2022 20:57

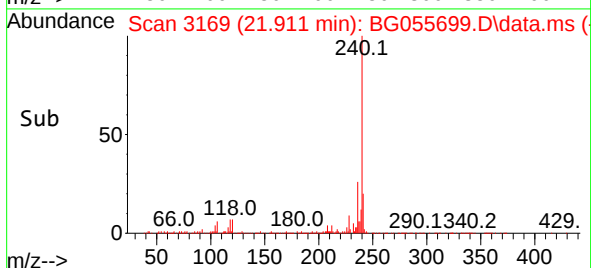
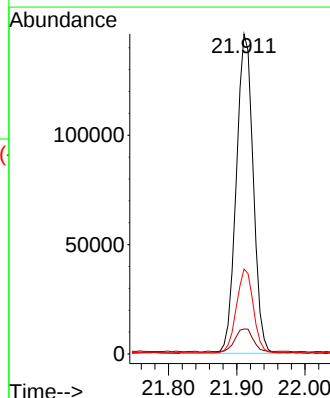
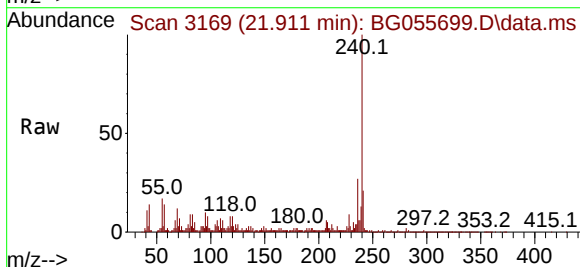
Instrument :
BNA_G
ClientSampleId :
SAMPLE-3

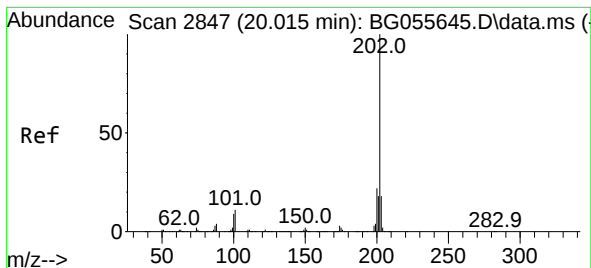
Tgt Ion:202 Resp: 163418
Ion Ratio Lower Upper
202 100
101 9.4 0.0 28.8
203 18.1 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.911 min Scan# 3169
Delta R.T. -0.008 min
Lab File: BG055699.D
Acq: 18 Nov 2022 20:57

Tgt Ion:240 Resp: 251355
Ion Ratio Lower Upper
240 100
120 7.8 6.3 9.5
236 26.6 21.9 32.9





#78

Pyrene

Concen: 7.695 ng

RT: 20.013 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG055699.D

Acq: 18 Nov 2022 20:57

Instrument :

BNA_G

ClientSampleId :

SAMPLE-3

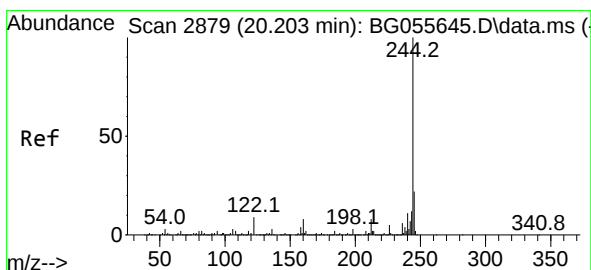
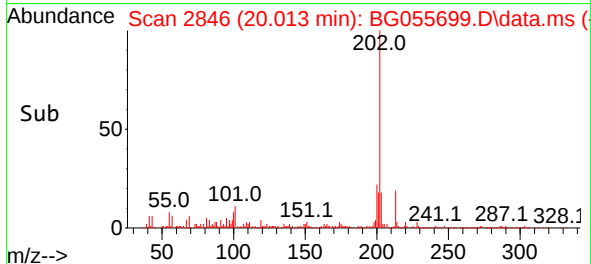
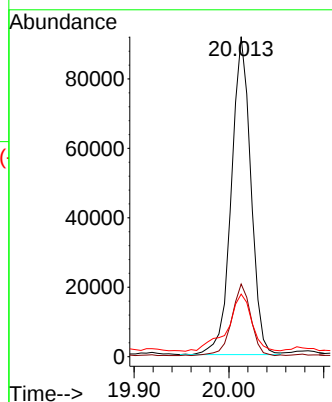
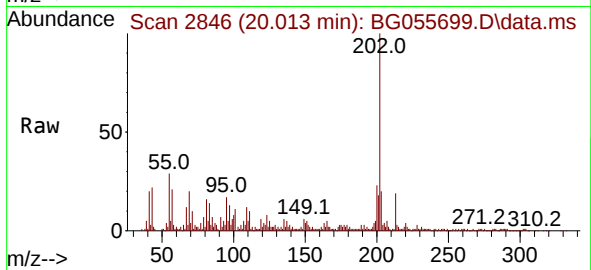
Tgt Ion:202 Resp: 130917

Ion Ratio Lower Upper

202 100

200 22.7 17.8 26.6

203 19.6 14.4 21.6



#79

Terphenyl-d14

Concen: 55.284 ng

RT: 20.201 min Scan# 2878

Delta R.T. -0.003 min

Lab File: BG055699.D

Acq: 18 Nov 2022 20:57

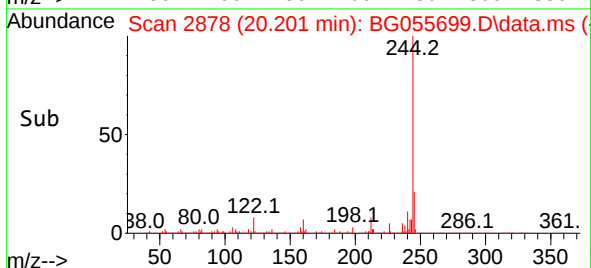
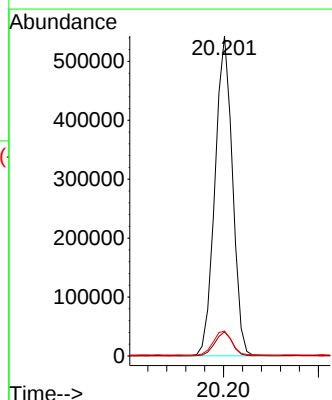
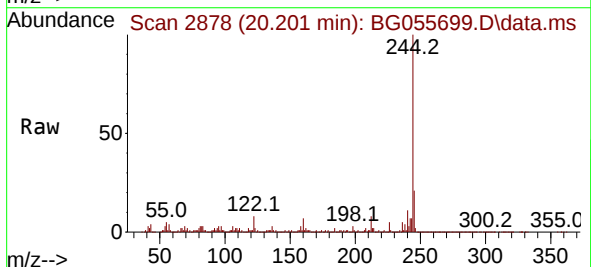
Tgt Ion:244 Resp: 694750

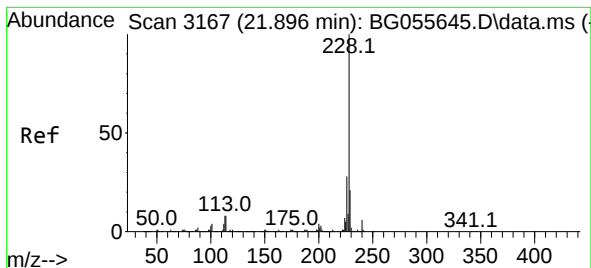
Ion Ratio Lower Upper

244 100

212 7.6 6.3 9.5

122 7.8 6.9 10.3





#81

Benzo(a)anthracene

Concen: 4.615 ng

RT: 21.893 min Scan# 3166

Delta R.T. -0.003 min

Lab File: BG055699.D

Acq: 18 Nov 2022 20:57

Instrument :

BNA_G

ClientSampleId :

SAMPLE-3

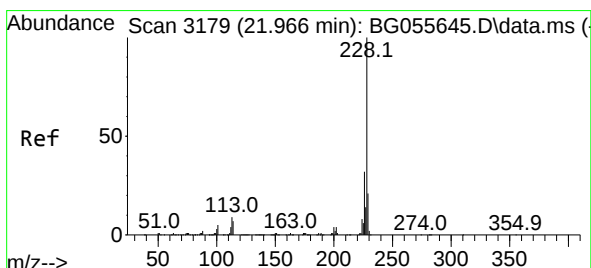
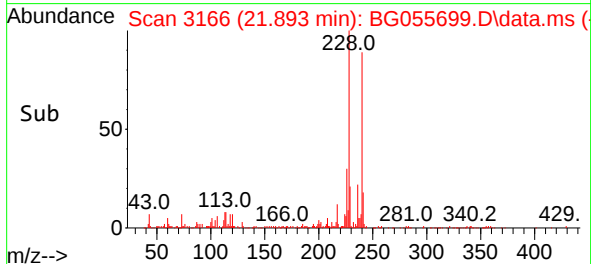
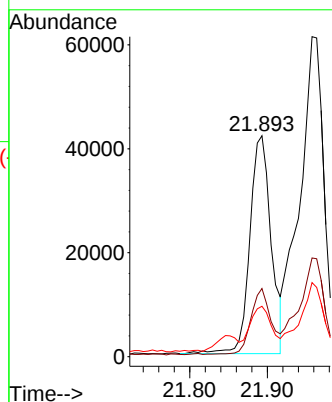
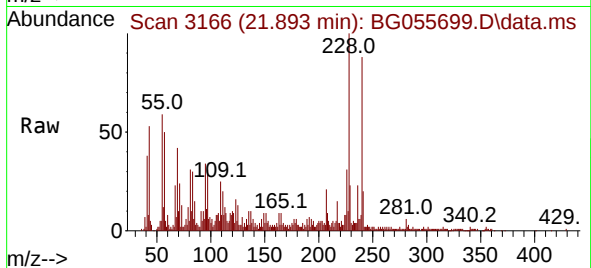
Tgt Ion:228 Resp: 79894

Ion Ratio Lower Upper

228 100

226 30.8 22.7 34.1

229 22.8 16.5 24.7



#83

Chrysene

Concen: 8.007 ng

RT: 21.958 min Scan# 3177

Delta R.T. -0.008 min

Lab File: BG055699.D

Acq: 18 Nov 2022 20:57

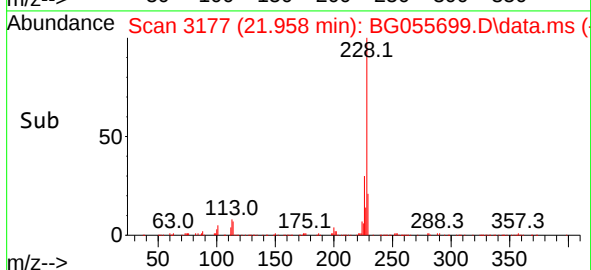
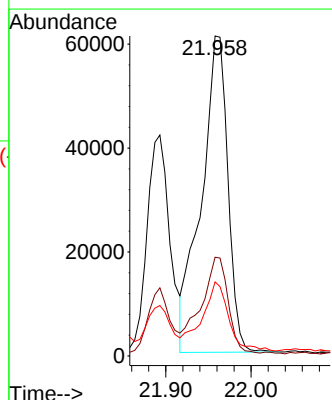
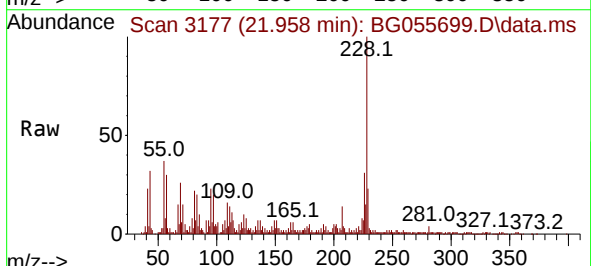
Tgt Ion:228 Resp: 131959

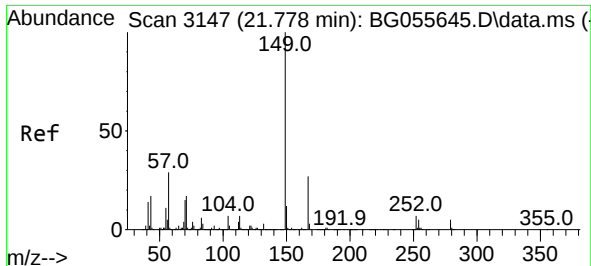
Ion Ratio Lower Upper

228 100

226 30.8 25.4 38.2

229 23.2 17.1 25.7

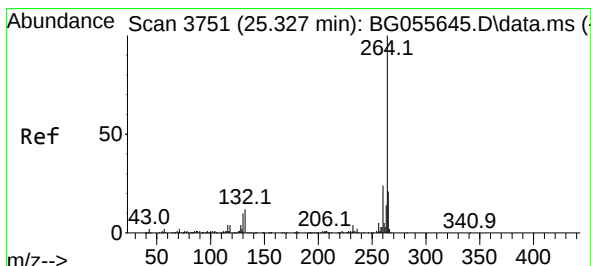
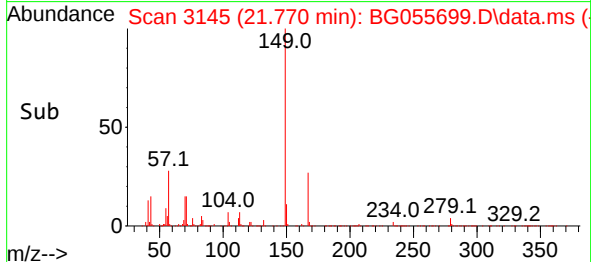
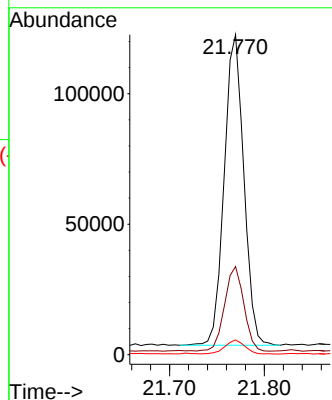
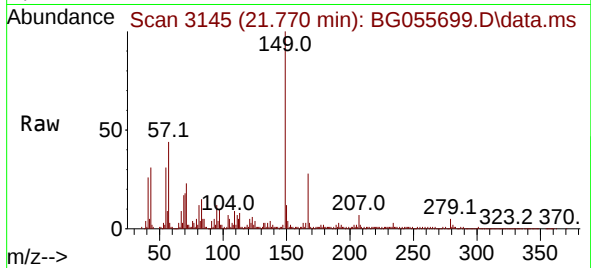




#84
Bis(2-ethylhexyl)phthalate
Concen: 17.874 ng
RT: 21.770 min Scan# 3147
Delta R.T. -0.008 min
Lab File: BG055699.D
Acq: 18 Nov 2022 20:57

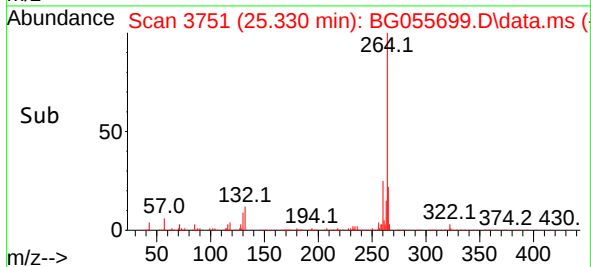
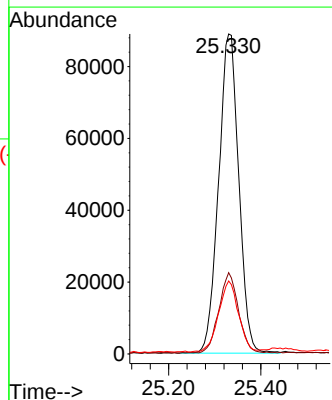
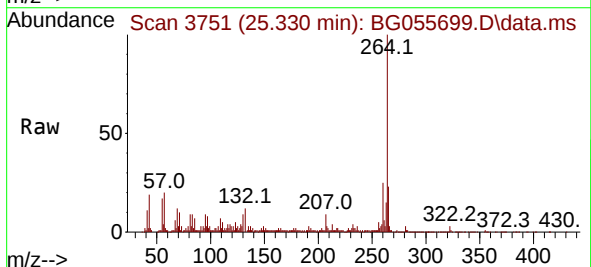
Instrument :
BNA_G
ClientSampleId :
SAMPLE-3

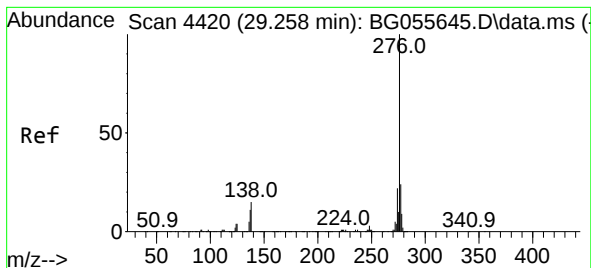
Tgt Ion:149 Resp: 171095
Ion Ratio Lower Upper
149 100
167 27.6 22.0 33.0
279 4.6 3.7 5.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.330 min Scan# 3751
Delta R.T. 0.003 min
Lab File: BG055699.D
Acq: 18 Nov 2022 20:57

Tgt Ion:264 Resp: 268964
Ion Ratio Lower Upper
264 100
260 25.4 19.5 29.3
265 22.8 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.079 ng

RT: 29.255 min Scan# 4419

Delta R.T. -0.003 min

Lab File: BG055699.D

Acq: 18 Nov 2022 20:57

Instrument :

BNA_G

ClientSampleId :

SAMPLE-3

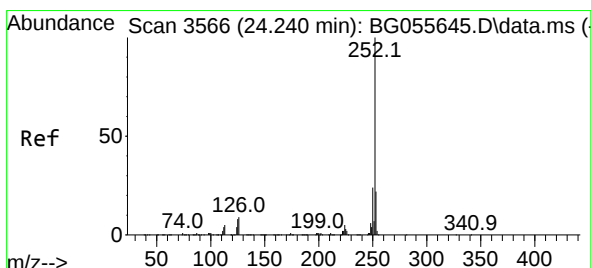
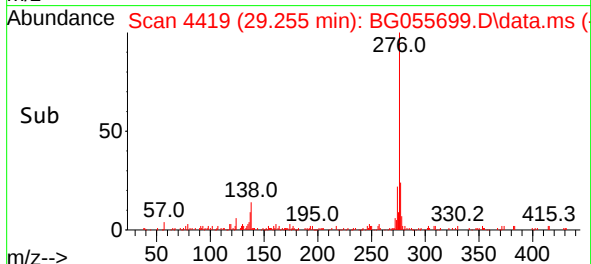
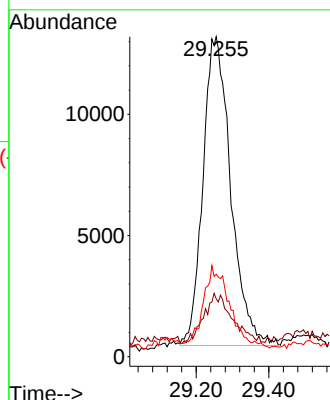
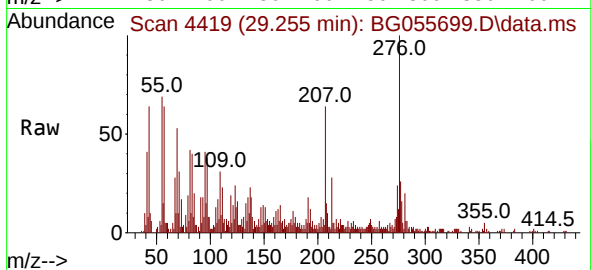
Tgt Ion:276 Resp: 67847

Ion Ratio Lower Upper

276 100

138 8.6 10.4 15.6#

277 21.7 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 10.551 ng

RT: 24.237 min Scan# 3565

Delta R.T. -0.003 min

Lab File: BG055699.D

Acq: 18 Nov 2022 20:57

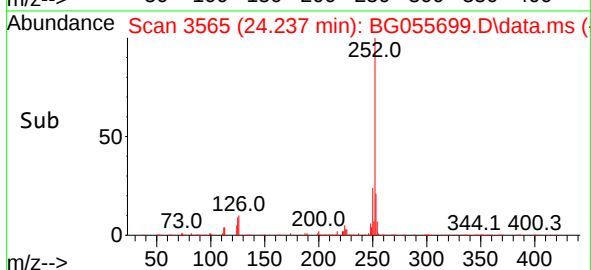
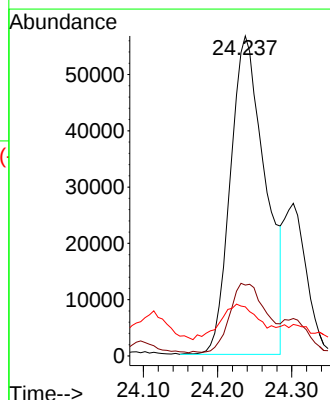
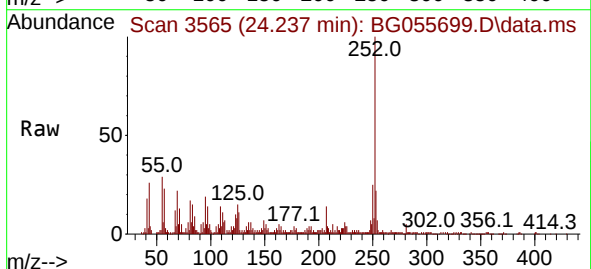
Tgt Ion:252 Resp: 184823

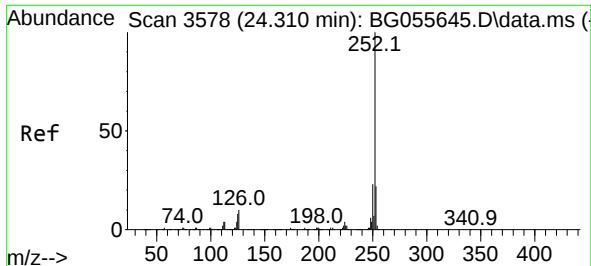
Ion Ratio Lower Upper

252 100

253 22.2 18.0 27.0

125 15.4 6.2 9.2#





#89

Benzo(k)fluoranthene

Concen: 10.585 ng

RT: 24.237 min Scan# 3

Delta R.T. -0.073 min

Lab File: BG055699.D

Acq: 18 Nov 2022 20:57

Instrument :

BNA_G

ClientSampleId :

SAMPLE-3

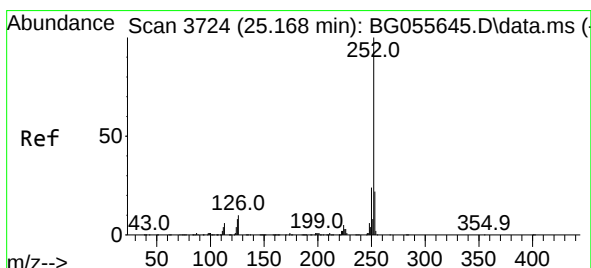
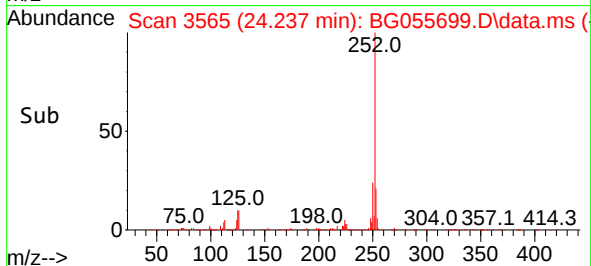
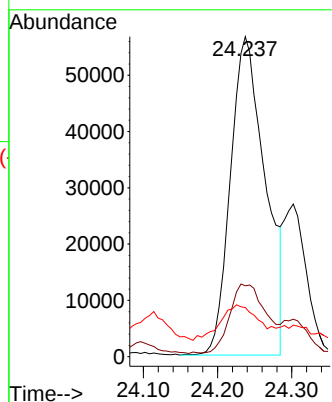
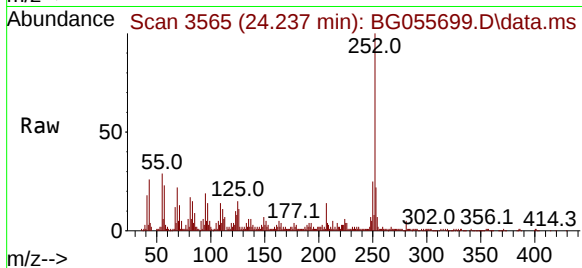
Tgt Ion:252 Resp: 184823

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

125 15.4 6.1 9.1#



#90

Benzo(a)pyrene

Concen: 5.014 ng

RT: 25.160 min Scan# 3722

Delta R.T. -0.008 min

Lab File: BG055699.D

Acq: 18 Nov 2022 20:57

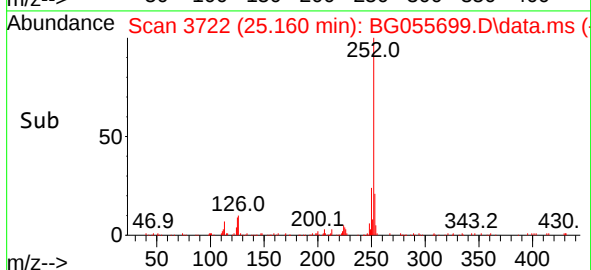
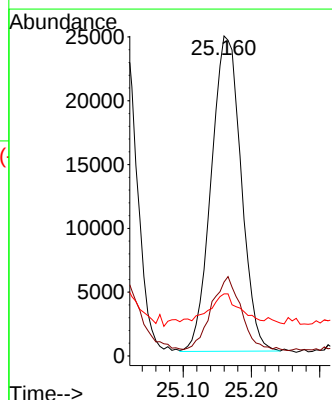
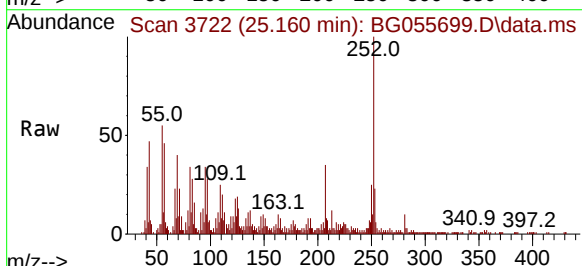
Tgt Ion:252 Resp: 75364

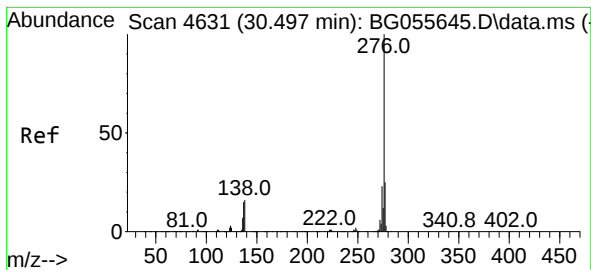
Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.6

125 19.4 6.4 9.6#





#92

Benzo(g,h,i)perylene

Concen: 3.813 ng

RT: 30.501 min Scan# 4

Delta R.T. 0.003 min

Lab File: BG055699.D

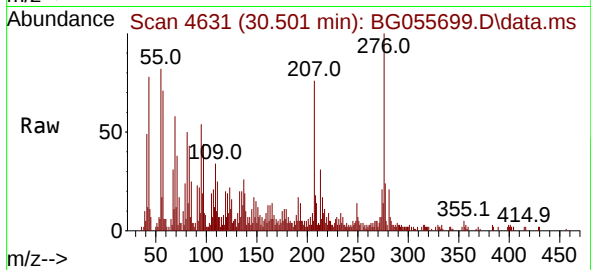
Acq: 18 Nov 2022 20:57

Instrument :

BNA_G

ClientSampleId :

SAMPLE-3



Tgt Ion:276 Resp: 69194

Ion Ratio Lower Upper

276 100

277 24.2 19.8 29.6

138 19.2 13.1 19.7

