

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101022\
 Data File : BG055119.D
 Acq On : 10 Oct 2022 19:28
 Operator : CG/JU
 Sample : N5018-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SASP2-T-3-(0-5)

Quant Time: Oct 11 04:05:55 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 08 03:04:59 2022
 Response via : Initial Calibration

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

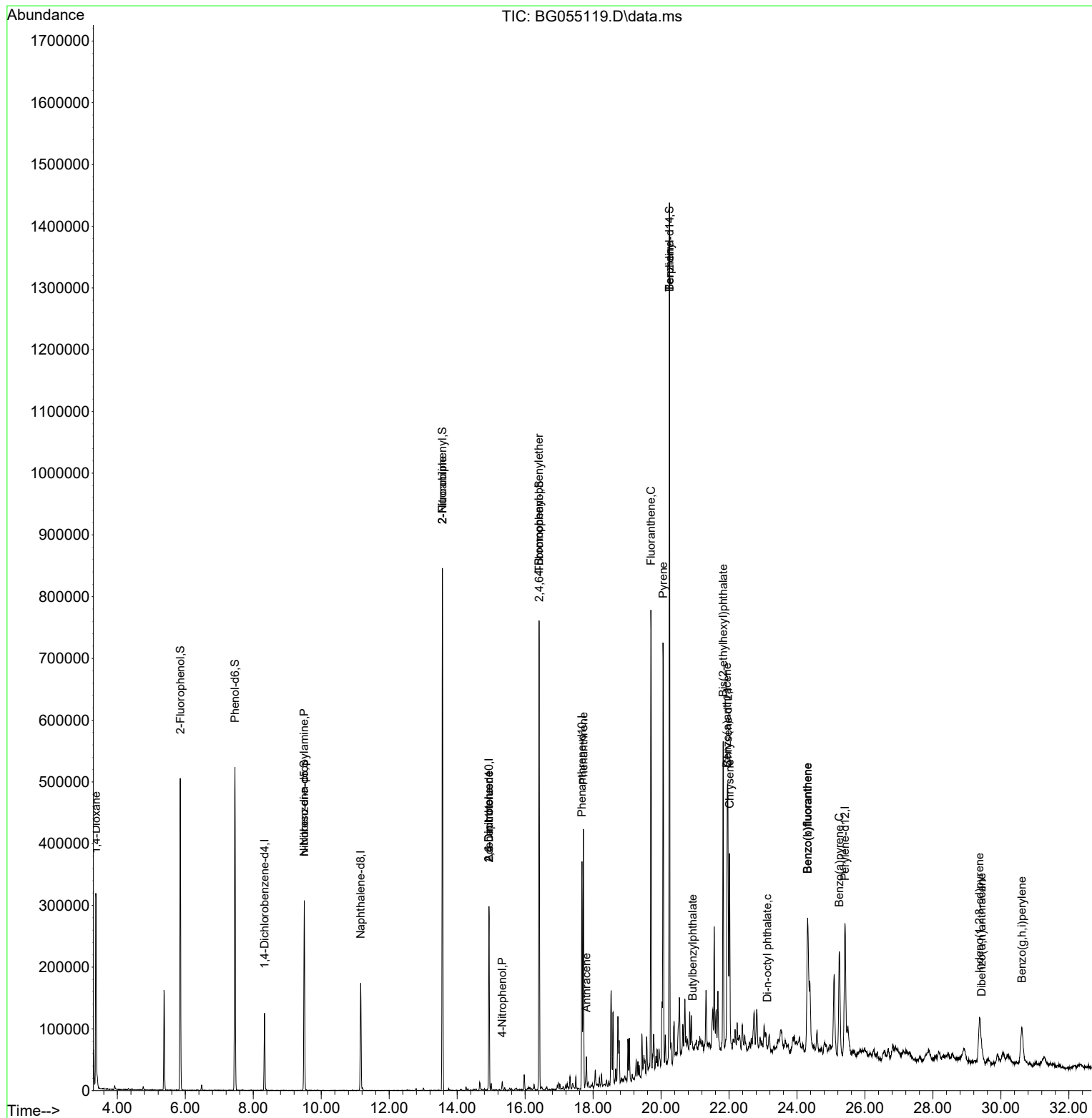
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.329	152	34752	20.000	ng	0.00
21) Naphthalene-d8	11.161	136	149522	20.000	ng	0.00
39) Acenaphthene-d10	14.933	164	108380	20.000	ng	0.00
64) Phenanthrene-d10	17.671	188	239965	20.000	ng	0.00
76) Chrysene-d12	21.966	240	219829	20.000	ng	0.00
86) Perylene-d12	25.415	264	241373	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.850	112	208547	133.291	ng	0.00
7) Phenol-d6	7.460	99	284648	121.423	ng	0.00
23) Nitrobenzene-d5	9.499	82	180098	71.973	ng	0.00
42) 2,4,6-Tribromophenol	16.414	330	153703	136.159	ng	0.00
45) 2-Fluorobiphenyl	13.564	172	429011	61.796	ng	0.00
79) Terphenyl-d14	20.245	244	691357	63.566	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.370	88	2947	3.329	ng	# 1
19) n-Nitroso-di-n-propyla...	9.499	70	25633	11.288	ng	# 71
48) 2-Nitroaniline	13.564	65	748	4.488	ng	# 1
51) 2,6-Dinitrotoluene	14.933	165	13970	12.098	ng	# 13
56) 4-Nitrophenol	15.327	139	2740	6.823	ng	# 1
57) 2,4-Dinitrotoluene	14.933	165	13970	9.886	ng	# 15
67) 4-Bromophenyl-phenylether	16.408	248	9354	3.686	ng	# 1
71) Phenanthrene	17.712	178	256512	20.350	ng	99
72) Anthracene	17.801	178	33568	2.738	ng	98
75) Fluoranthene	19.698	202	475563	30.242	ng	98
77) Benzidine	20.245	184	11281	2.979	ng	# 94
78) Pyrene	20.057	202	443234	30.322	ng	98
80) Butylbenzylphthalate	20.926	149	267	4.891	ng	# 59
81) Benzo(a)anthracene	21.943	228	206310	14.774	ng	100
83) Chrysene	22.013	228	230835	17.151	ng	99
84) Bis(2-ethylhexyl)phtha...	21.825	149	202397	31.150	ng	99
85) Di-n-octyl phthalate	23.130	149	1174	4.434	ng	# 16
87) Indeno(1,2,3-cd)pyrene	29.369	276	149833	8.602	ng	# 94
88) Benzo(b)fluoranthene	24.311	252	287589	20.222	ng	98
89) Benzo(k)fluoranthene	24.311	252	287589	20.072	ng	98
90) Benzo(a)pyrene	25.245	252	207333	17.009	ng	97
91) Dibenzo(a,h)anthracene	29.428	278	39538	2.794	ng	98
92) Benzo(g,h,i)perylene	30.615	276	140149	9.867	ng	97

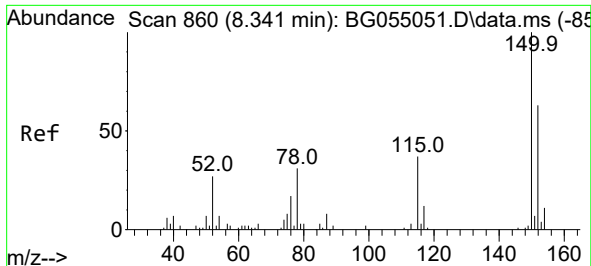
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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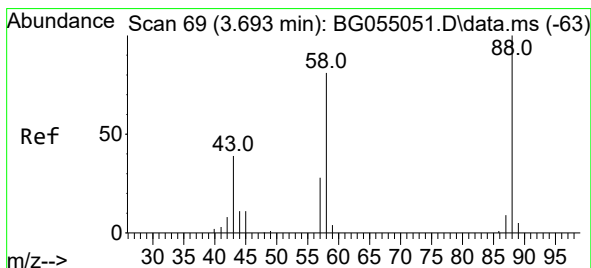
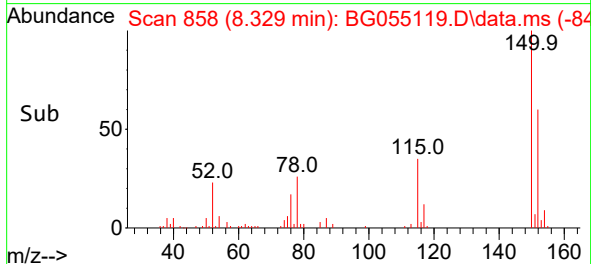
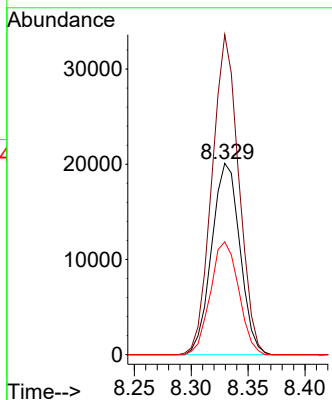
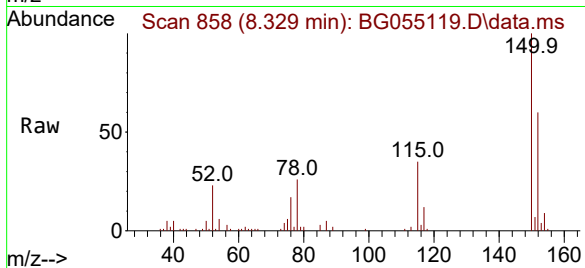




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.329 min Scan# 81
Delta R.T. -0.009 min
Lab File: BG055119.D
Acq: 10 Oct 2022 19:28

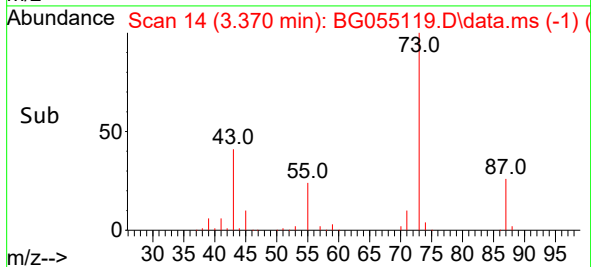
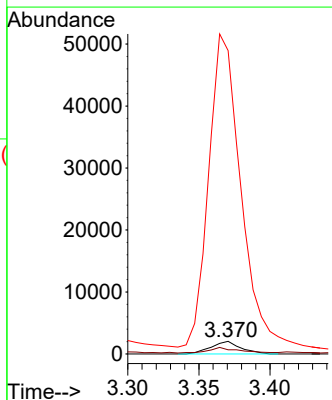
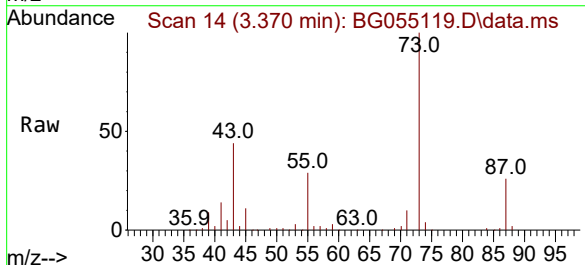
Instrument :
BNA_G
ClientSampleId :
SASP2-T-3-(0-5)

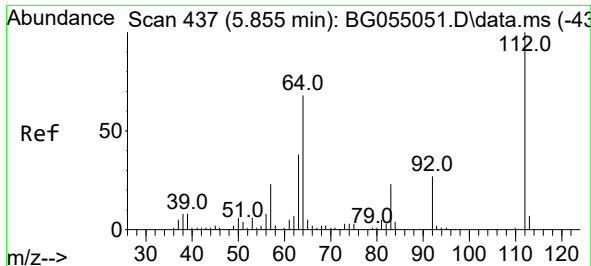
Tgt Ion:152 Resp: 34752
Ion Ratio Lower Upper
152 100
150 167.2 128.0 192.0
115 58.9 47.7 71.5



#2
1,4-Dioxane
Concen: 3.329 ng
RT: 3.370 min Scan# 14
Delta R.T. -0.314 min
Lab File: BG055119.D
Acq: 10 Oct 2022 19:28

Tgt Ion: 88 Resp: 2947
Ion Ratio Lower Upper
88 100
58 42.8 62.6 94.0#
43 2800.6 29.0 43.6#

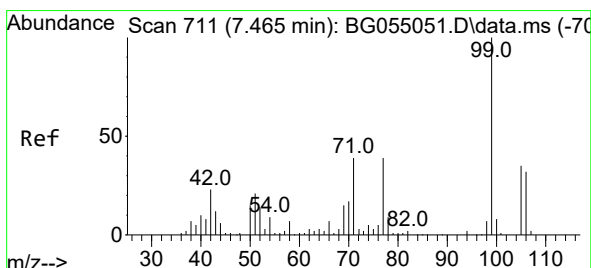
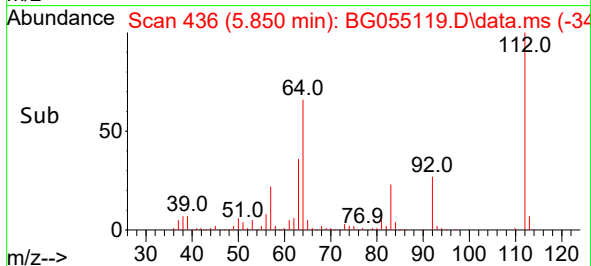
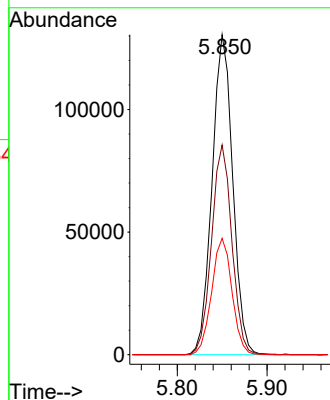
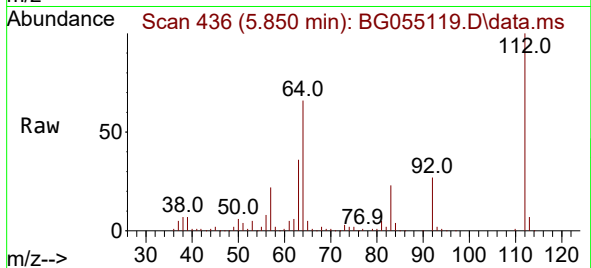




#5
2-Fluorophenol
Concen: 133.291 ng
RT: 5.850 min Scan# 41
Delta R.T. -0.002 min
Lab File: BG055119.D
Acq: 10 Oct 2022 19:28

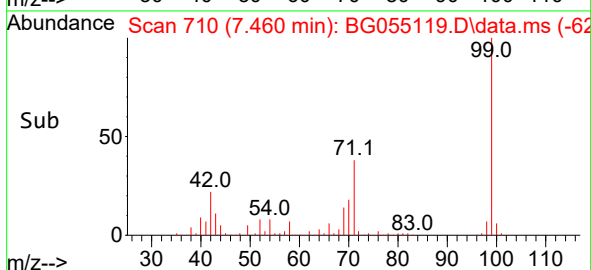
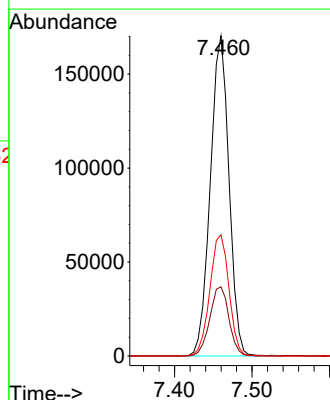
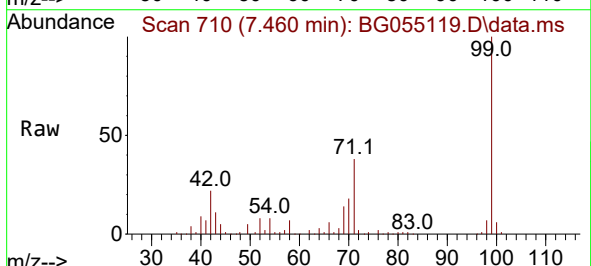
Instrument :
BNA_G
ClientSampleId :
SASP2-T-3-(0-5)

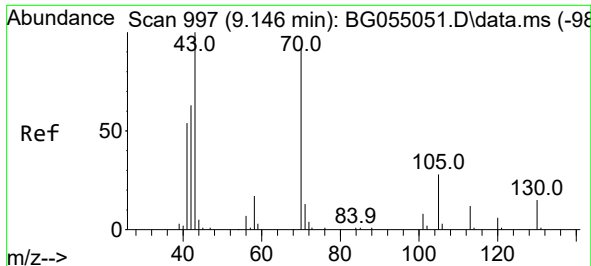
Tgt Ion:112 Resp: 208547
Ion Ratio Lower Upper
112 100
64 65.6 54.5 81.7
63 36.3 30.5 45.7



#7
Phenol-d6
Concen: 121.423 ng
RT: 7.460 min Scan# 710
Delta R.T. -0.002 min
Lab File: BG055119.D
Acq: 10 Oct 2022 19:28

Tgt Ion: 99 Resp: 284648
Ion Ratio Lower Upper
99 100
42 21.6 18.6 28.0
71 37.8 31.2 46.8

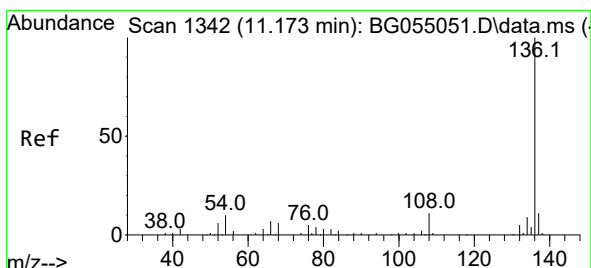
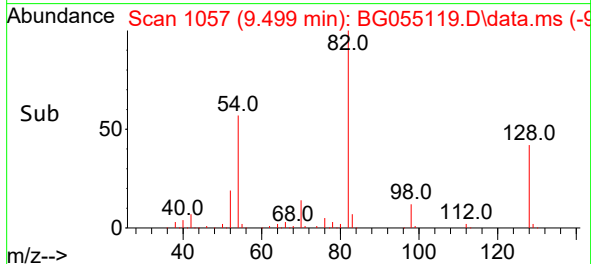
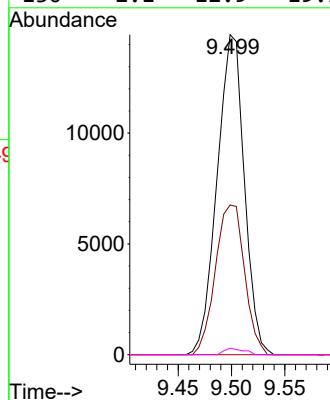
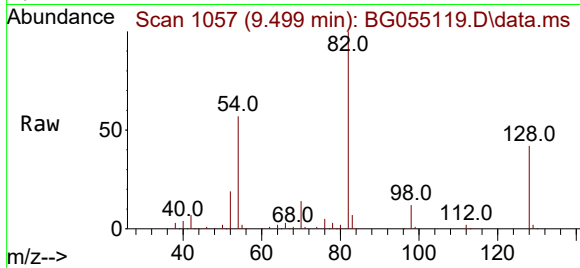




#19
n-Nitroso-di-n-propylamine
Concen: 11.288 ng
RT: 9.499 min Scan# 1057
Delta R.T. 0.362 min
Lab File: BG055119.D
Acq: 10 Oct 2022 19:28

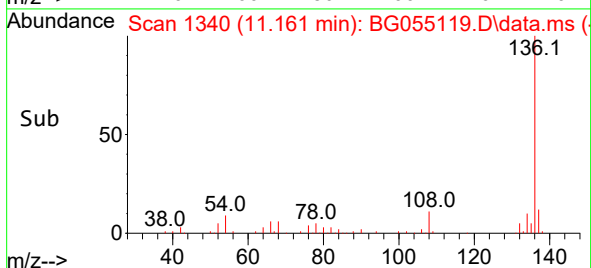
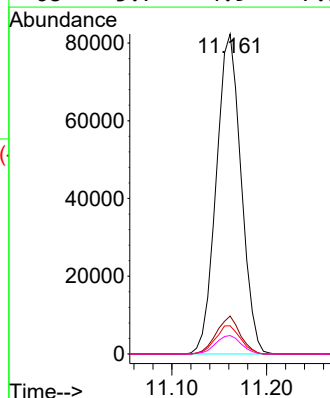
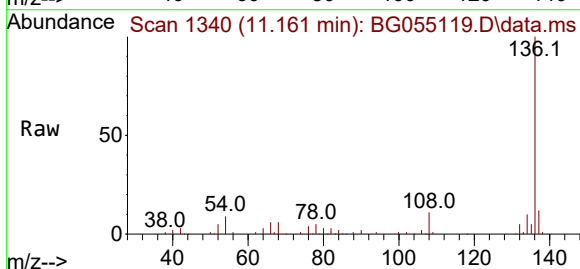
Instrument :
BNA_G
ClientSampleId :
SASP2-T-3-(0-5)

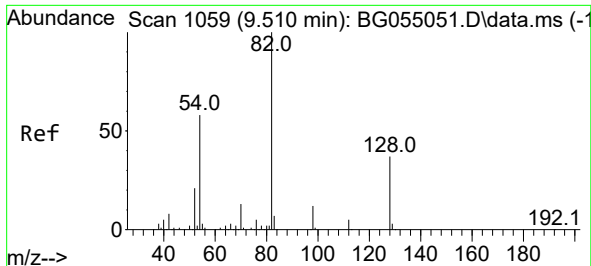
Tgt Ion: 70 Resp: 25633
Ion Ratio Lower Upper
70 100
42 46.8 55.8 83.6#
101 0.0 7.1 10.7#
130 2.1 12.9 19.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.161 min Scan# 1340
Delta R.T. -0.008 min
Lab File: BG055119.D
Acq: 10 Oct 2022 19:28

Tgt Ion:136 Resp: 149522
Ion Ratio Lower Upper
136 100
137 11.9 8.7 13.1
54 8.8 8.2 12.4
68 5.7 4.9 7.3

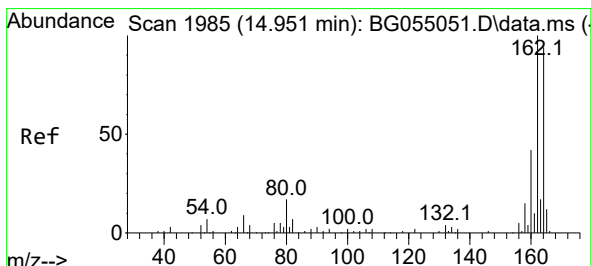
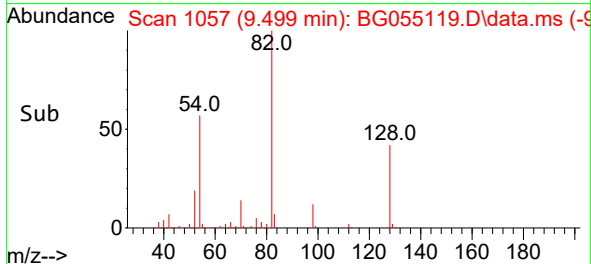
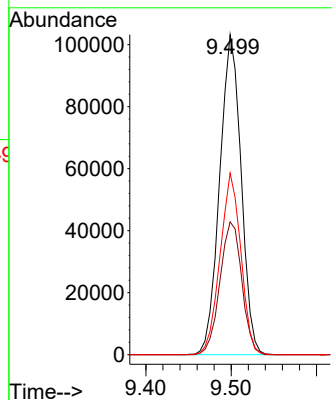
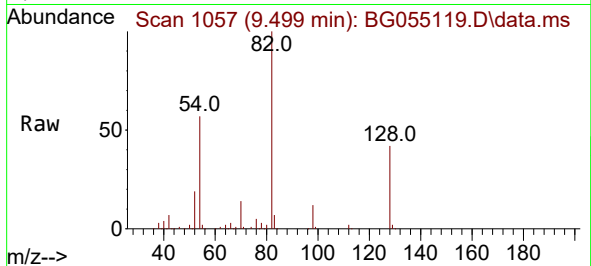




#23
Nitrobenzene-d5
Concen: 71.973 ng
RT: 9.499 min Scan# 1057
Delta R.T. -0.008 min
Lab File: BG055119.D
Acq: 10 Oct 2022 19:28

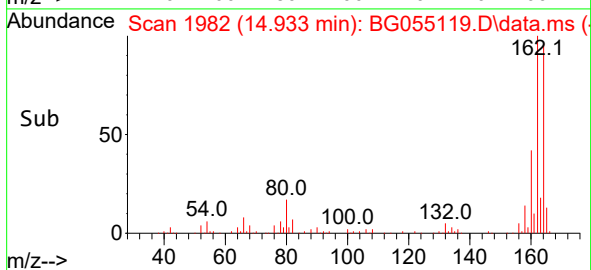
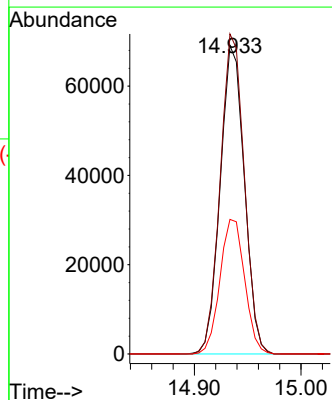
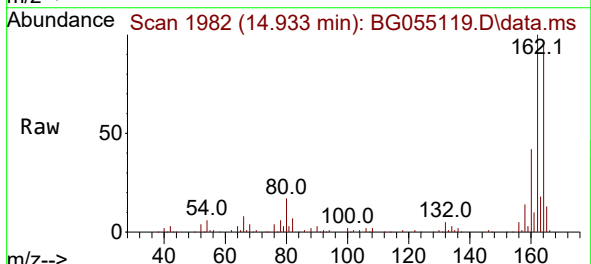
Instrument :
BNA_G
ClientSampleId :
SASP2-T-3-(0-5)

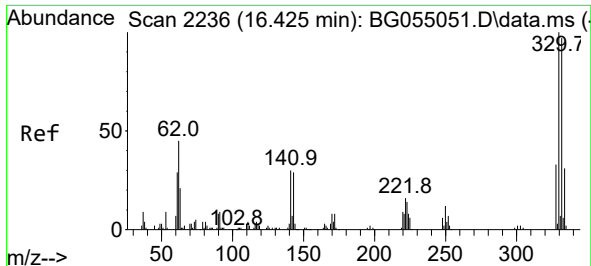
Tgt Ion: 82 Resp: 180098
Ion Ratio Lower Upper
82 100
128 41.5 29.5 44.3
54 56.7 46.7 70.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.933 min Scan# 1982
Delta R.T. -0.008 min
Lab File: BG055119.D
Acq: 10 Oct 2022 19:28

Tgt Ion:164 Resp: 108380
Ion Ratio Lower Upper
164 100
162 103.7 85.5 128.3
160 43.6 35.5 53.3





#42

2,4,6-Tribromophenol

Concen: 136.159 ng

RT: 16.414 min Scan# 21

Delta R.T. -0.002 min

Lab File: BG055119.D

Acq: 10 Oct 2022 19:28

Instrument :

BNA_G

ClientSampleId :

SASP2-T-3-(0-5)

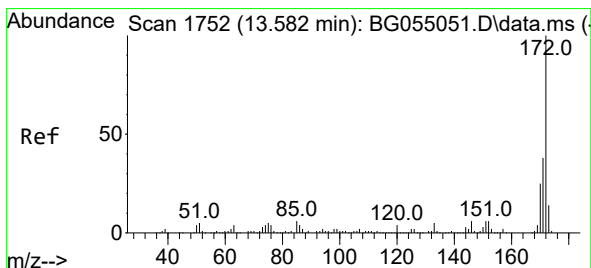
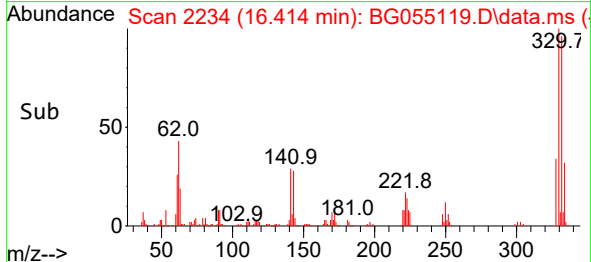
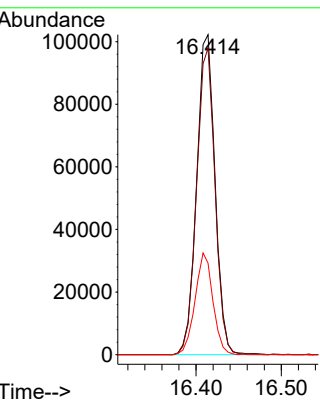
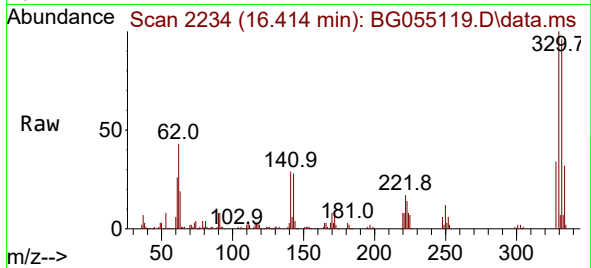
Tgt Ion:330 Resp: 153703

Ion Ratio Lower Upper

330 100

332 95.5 77.4 116.0

141 30.8 25.0 37.4



#45

2-Fluorobiphenyl

Concen: 61.796 ng

RT: 13.564 min Scan# 1749

Delta R.T. -0.008 min

Lab File: BG055119.D

Acq: 10 Oct 2022 19:28

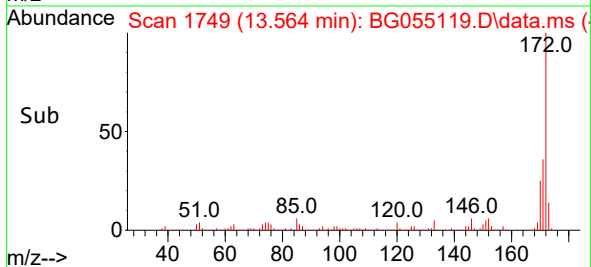
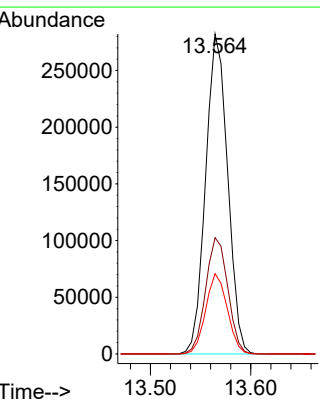
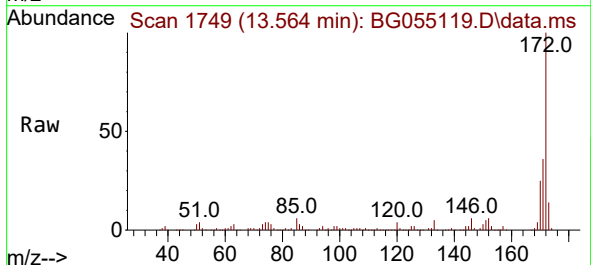
Tgt Ion:172 Resp: 429011

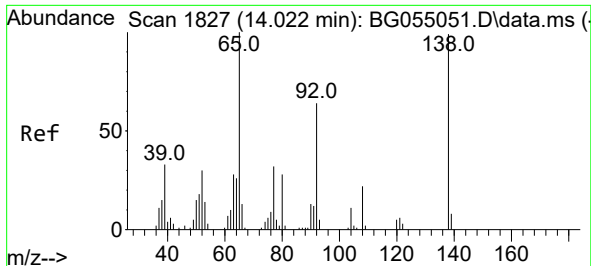
Ion Ratio Lower Upper

172 100

171 36.4 30.1 45.1

170 25.1 20.0 30.0

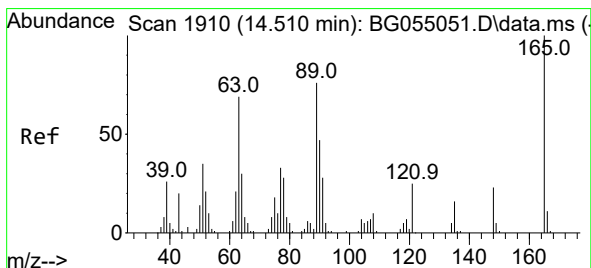
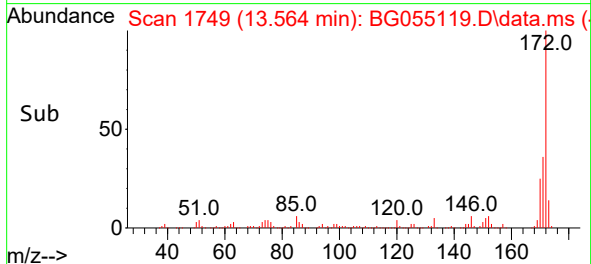
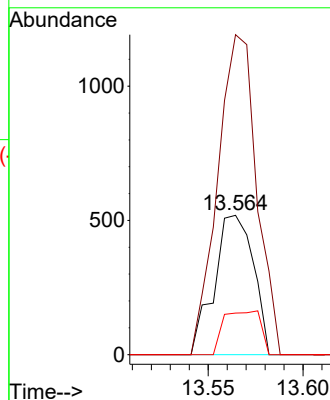
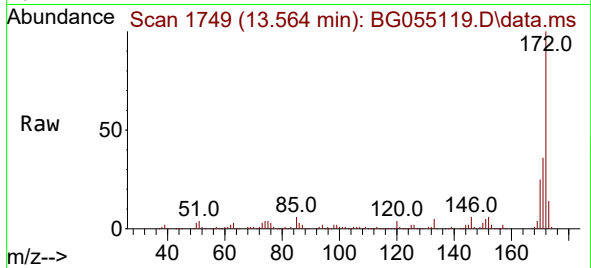




#48
2-Nitroaniline
Concen: 4.488 ng
RT: 13.564 min Scan# 11
Delta R.T. -0.455 min
Lab File: BG055119.D
Acq: 10 Oct 2022 19:28

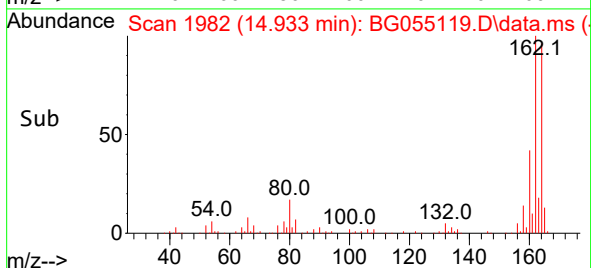
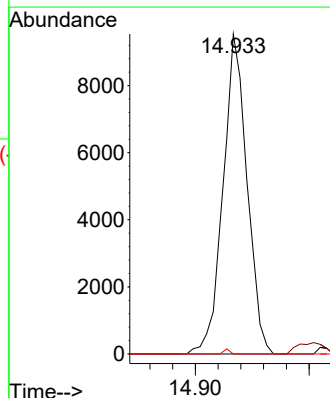
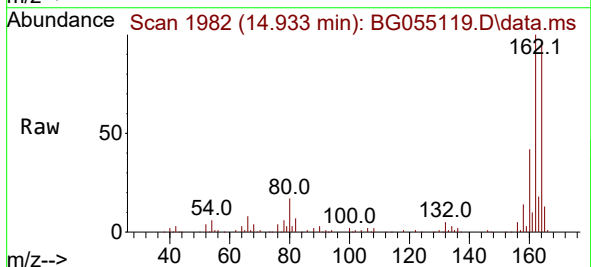
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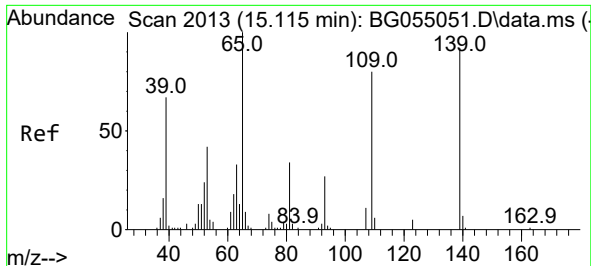
Tgt Ion: 65 Resp: 748
Ion Ratio Lower Upper
65 100
92 229.7 50.9 76.3#
138 29.9 79.5 119.3#



#51
2,6-Dinitrotoluene
Concen: 12.098 ng
RT: 14.933 min Scan# 1982
Delta R.T. 0.426 min
Lab File: BG055119.D
Acq: 10 Oct 2022 19:28

Tgt Ion:165 Resp: 13970
Ion Ratio Lower Upper
165 100
63 0.0 56.2 84.4#
89 0.0 60.4 90.6#

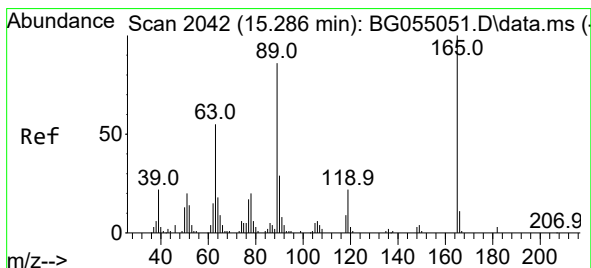
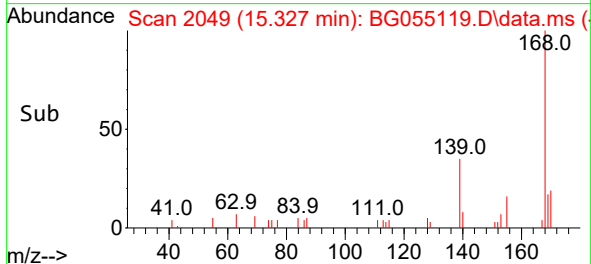
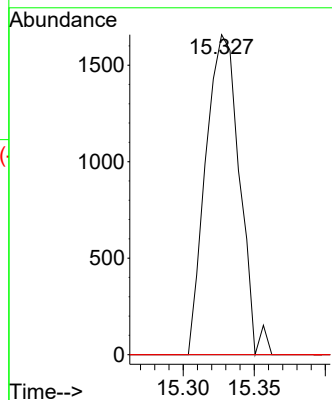
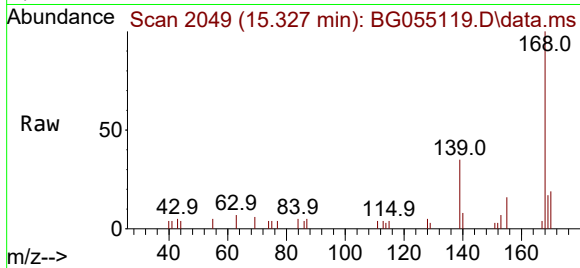




#56
4-Nitrophenol
Concen: 6.823 ng
RT: 15.327 min Scan# 2013
Delta R.T. 0.215 min
Lab File: BG055119.D
Acq: 10 Oct 2022 19:28

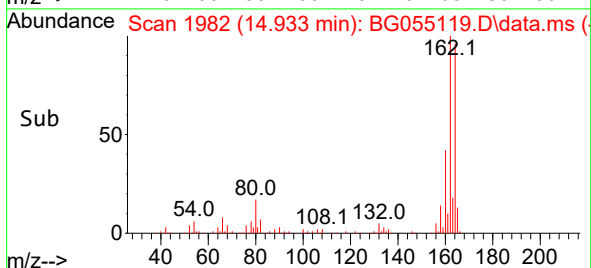
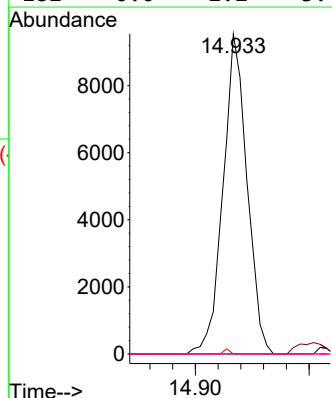
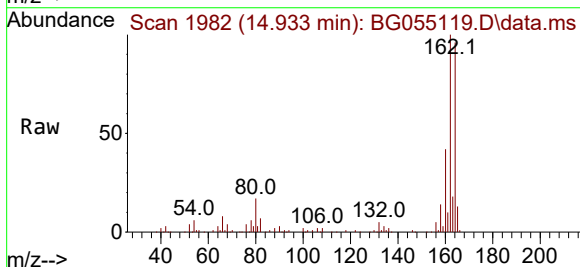
Instrument :
BNA_G
ClientSampleId :
SASP2-T-3-(0-5)

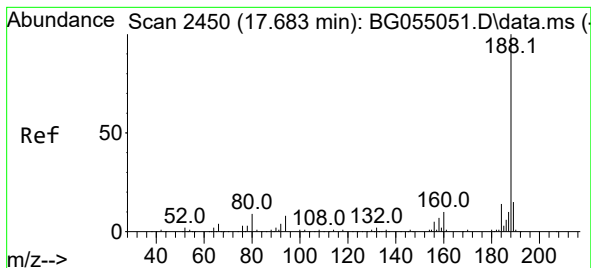
Tgt Ion:139 Resp: 2740
Ion Ratio Lower Upper
139 100
109 0.0 66.6 106.6#
65 0.0 88.5 128.5#



#57
2,4-Dinitrotoluene
Concen: 9.886 ng
RT: 14.933 min Scan# 1982
Delta R.T. -0.349 min
Lab File: BG055119.D
Acq: 10 Oct 2022 19:28

Tgt Ion:165 Resp: 13970
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.2#
89 0.0 69.0 103.6#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.671 min Scan# 24

Delta R.T. -0.002 min

Lab File: BG055119.D

Acq: 10 Oct 2022 19:28

Instrument :

BNA_G

ClientSampleId :

SASP2-T-3-(0-5)

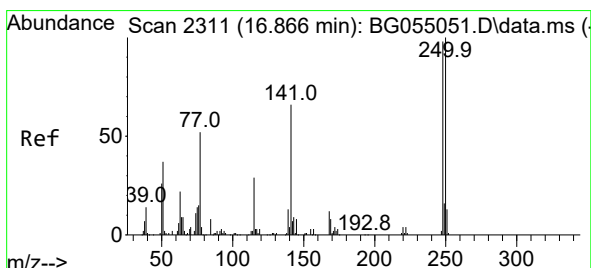
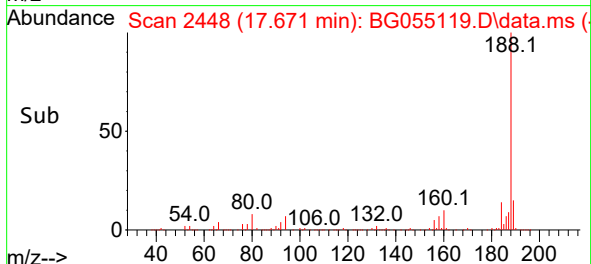
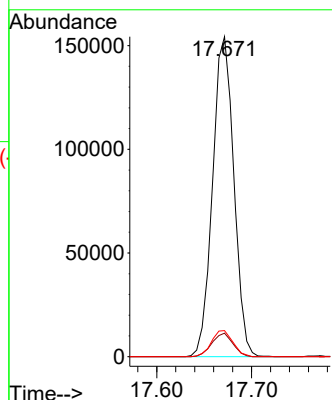
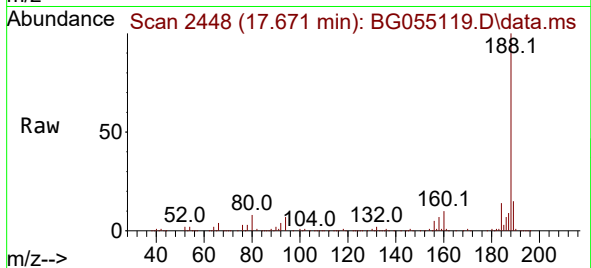
Tgt Ion:188 Resp: 239965

Ion Ratio Lower Upper

188 100

94 7.3 6.2 9.2

80 8.2 7.2 10.8



#67

4-Bromophenyl-phenylether

Concen: 3.686 ng

RT: 16.408 min Scan# 2233

Delta R.T. -0.449 min

Lab File: BG055119.D

Acq: 10 Oct 2022 19:28

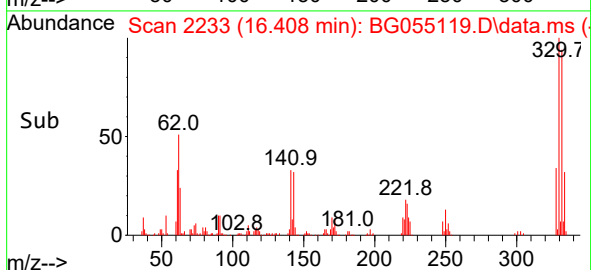
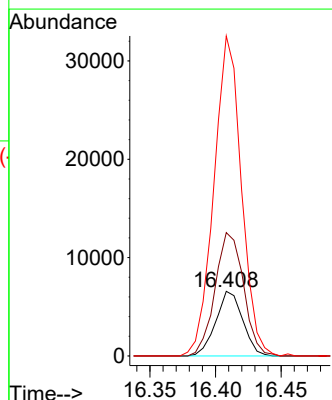
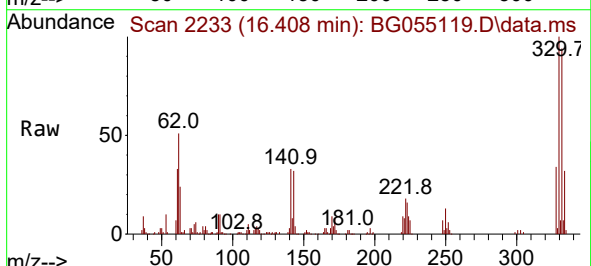
Tgt Ion:248 Resp: 9354

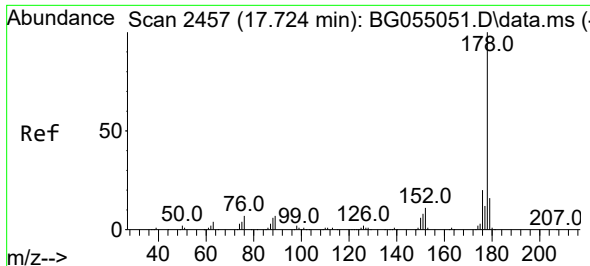
Ion Ratio Lower Upper

248 100

250 191.0 81.7 122.5#

141 495.2 53.7 80.5#

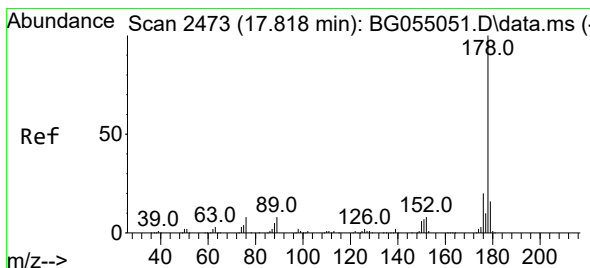
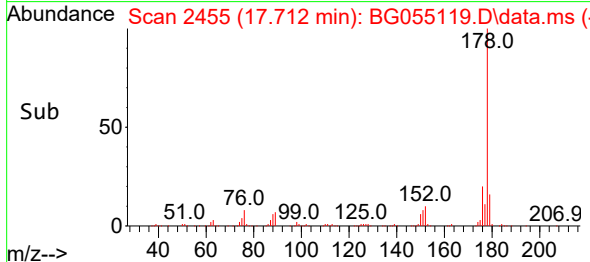
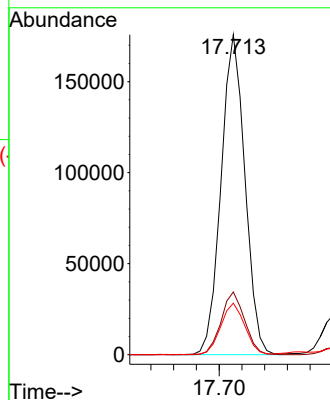
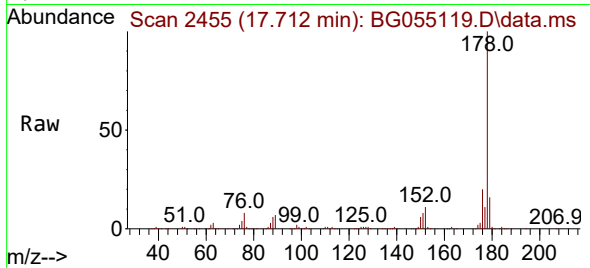




#71
Phenanthrene
Concen: 20.350 ng
RT: 17.712 min Scan# 2457
Delta R.T. -0.008 min
Lab File: BG055119.D
Acq: 10 Oct 2022 19:28

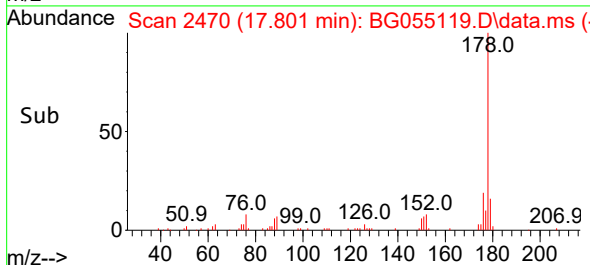
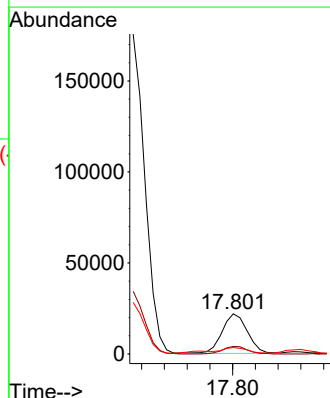
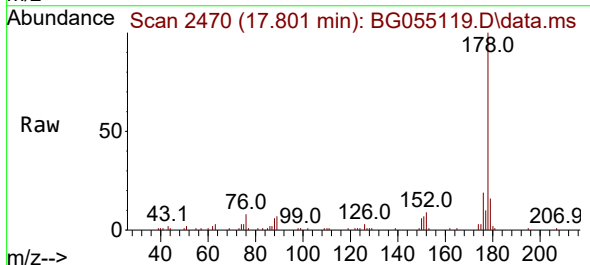
Instrument :
BNA_G
ClientSampleId :
SASP2-T-3-(0-5)

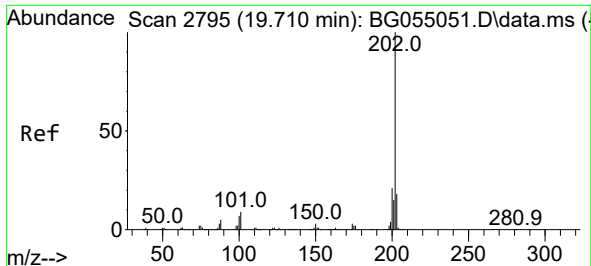
Tgt Ion:178 Resp: 256512
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.6
179 16.1 13.2 19.8



#72
Anthracene
Concen: 2.738 ng
RT: 17.801 min Scan# 2470
Delta R.T. -0.008 min
Lab File: BG055119.D
Acq: 10 Oct 2022 19:28

Tgt Ion:178 Resp: 33568
Ion Ratio Lower Upper
178 100
176 18.7 15.7 23.5
179 16.0 12.5 18.7

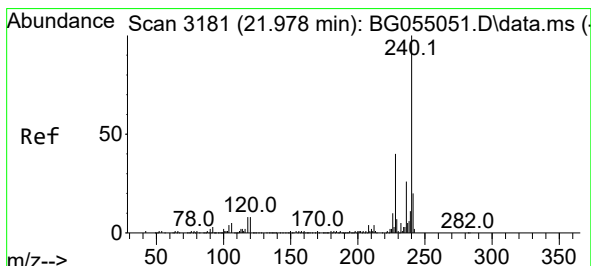
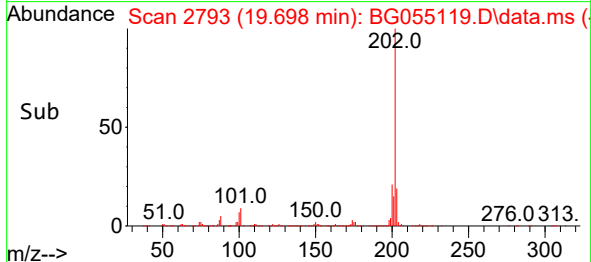
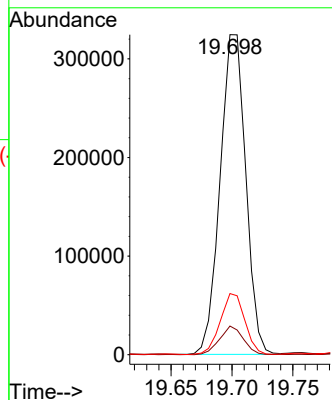
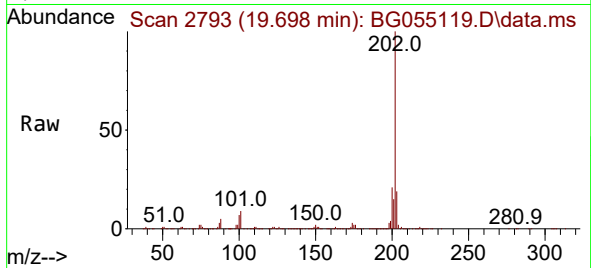




#75
Fluoranthene
Concen: 30.242 ng
RT: 19.698 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG055119.D
Acq: 10 Oct 2022 19:28

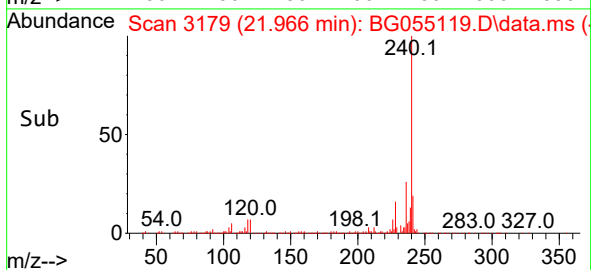
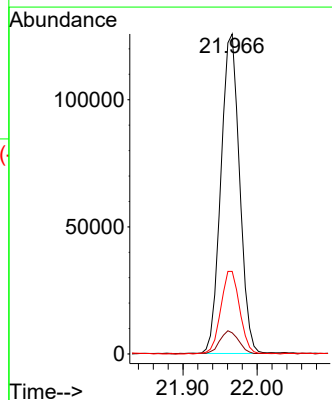
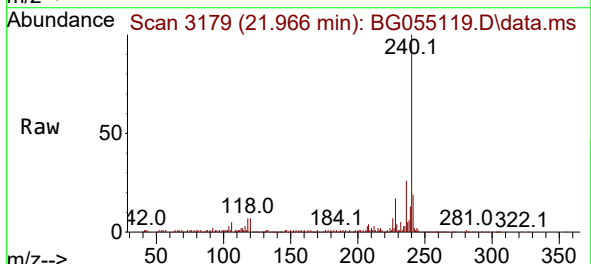
Instrument :
BNA_G
ClientSampleId :
SASP2-T-3-(0-5)

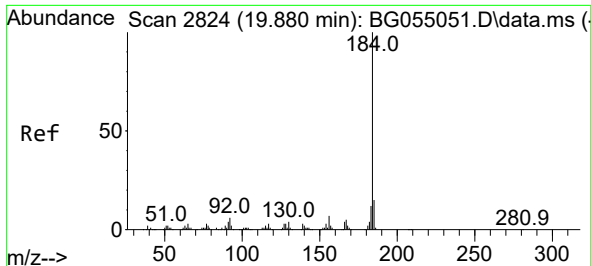
Tgt Ion:202 Resp: 475563
Ion Ratio Lower Upper
202 100
101 9.0 0.0 28.9
203 19.1 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.966 min Scan# 3179
Delta R.T. -0.002 min
Lab File: BG055119.D
Acq: 10 Oct 2022 19:28

Tgt Ion:240 Resp: 219829
Ion Ratio Lower Upper
240 100
120 6.6 6.2 9.4
236 25.8 20.6 30.8

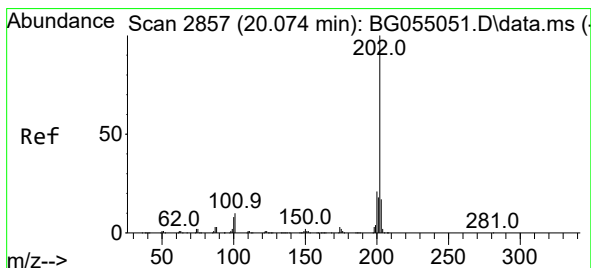
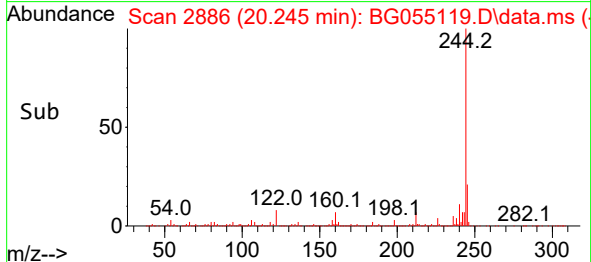
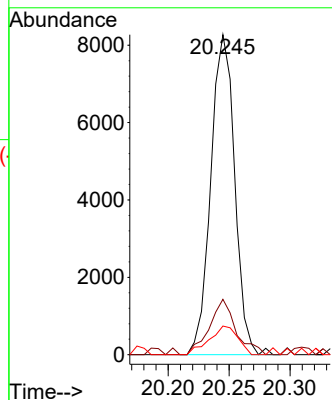
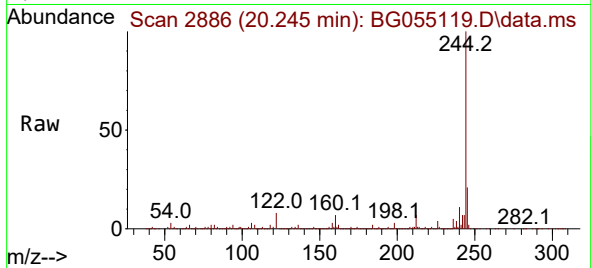




#77
Benzidine
Concen: 2.979 ng
RT: 20.245 min Scan# 2886
Delta R.T. 0.374 min
Lab File: BG055119.D
Acq: 10 Oct 2022 19:28

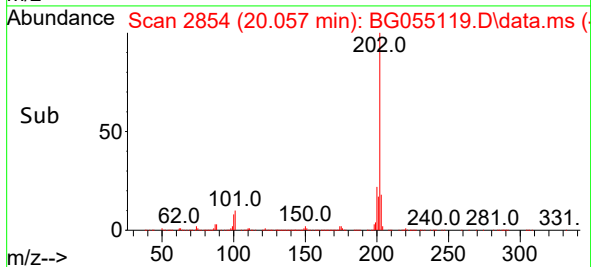
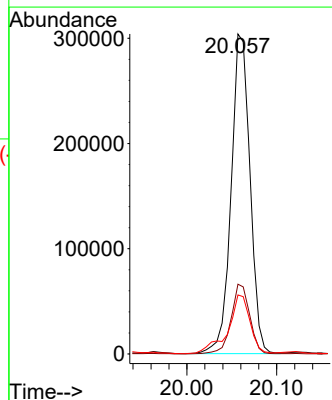
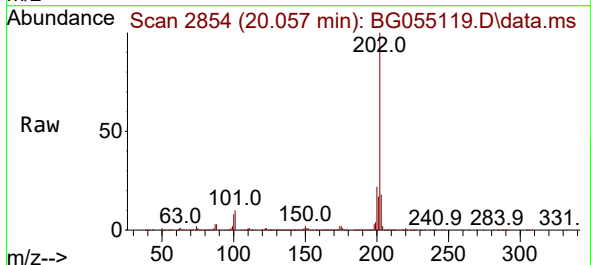
Instrument :
BNA_G
ClientSampleId :
SASP2-T-3-(0-5)

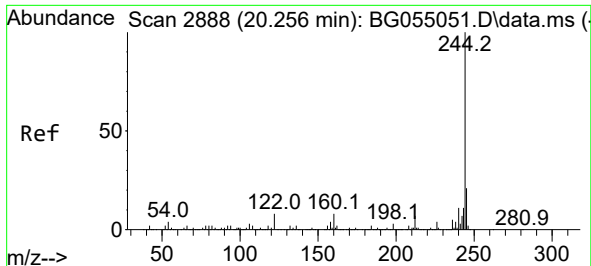
Tgt Ion:184 Resp: 11281
Ion Ratio Lower Upper
184 100
185 17.3 12.2 18.4
183 9.0 9.4 14.0#



#78
Pyrene
Concen: 30.322 ng
RT: 20.057 min Scan# 2854
Delta R.T. -0.008 min
Lab File: BG055119.D
Acq: 10 Oct 2022 19:28

Tgt Ion:202 Resp: 443234
Ion Ratio Lower Upper
202 100
200 21.8 16.6 25.0
203 18.5 14.0 21.0

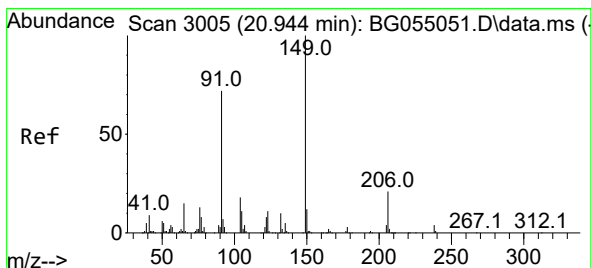
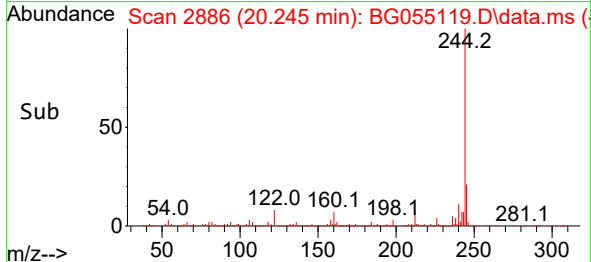
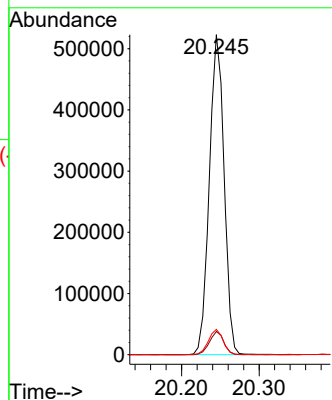
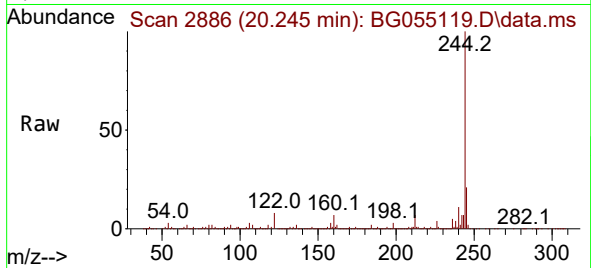




#79
 Terphenyl-d14
 Concen: 63.566 ng
 RT: 20.245 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BG055119.D
 Acq: 10 Oct 2022 19:28

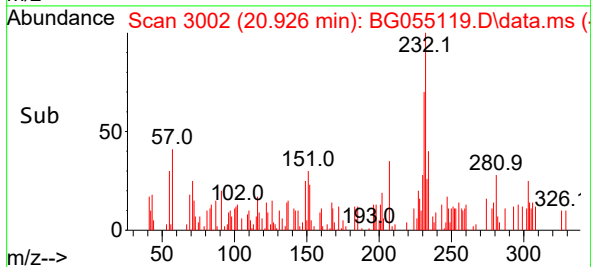
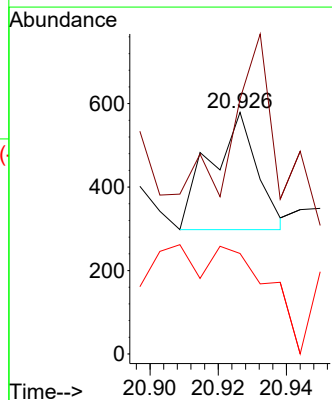
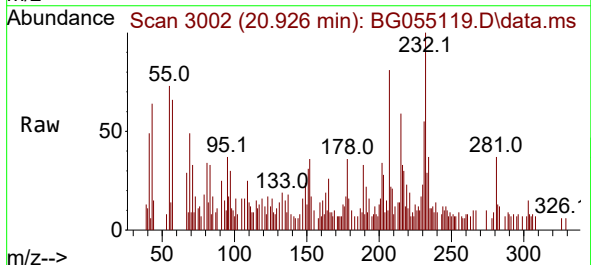
Instrument :
 BNA_G
 ClientSampleId :
 SASP2-T-3-(0-5)

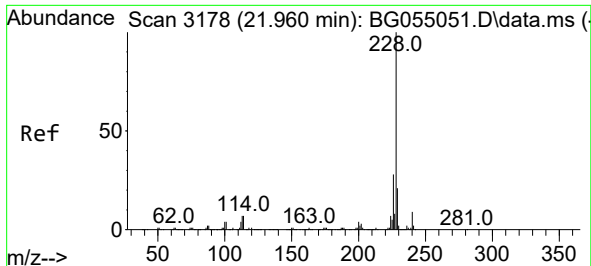
Tgt Ion:244 Resp: 691357
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 7.9 6.6 10.0



#80
 Butylbenzylphthalate
 Concen: 4.891 ng
 RT: 20.926 min Scan# 3002
 Delta R.T. -0.008 min
 Lab File: BG055119.D
 Acq: 10 Oct 2022 19:28

Tgt Ion:149 Resp: 267
 Ion Ratio Lower Upper
 149 100
 91 105.5 57.8 86.8#
 206 41.6 16.9 25.3#

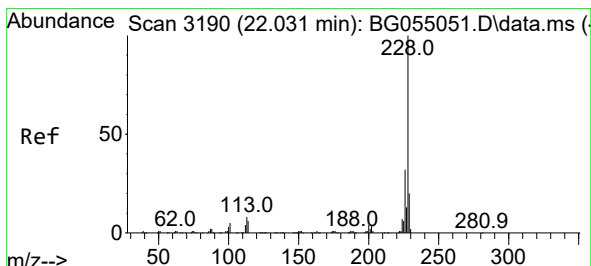
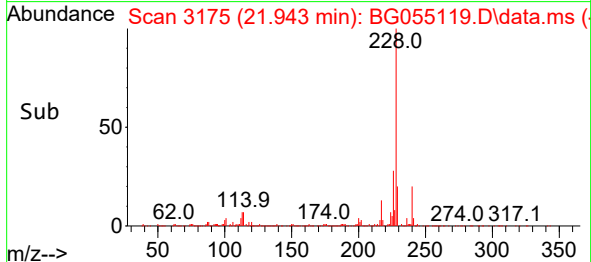
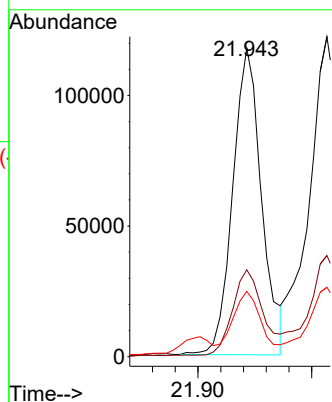
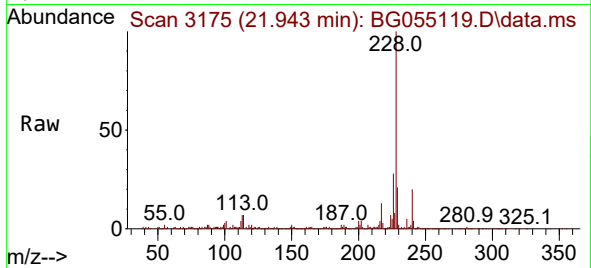




#81
Benzo(a)anthracene
Concen: 14.774 ng
RT: 21.943 min Scan# 3175
Delta R.T. -0.008 min
Lab File: BG055119.D
Acq: 10 Oct 2022 19:28

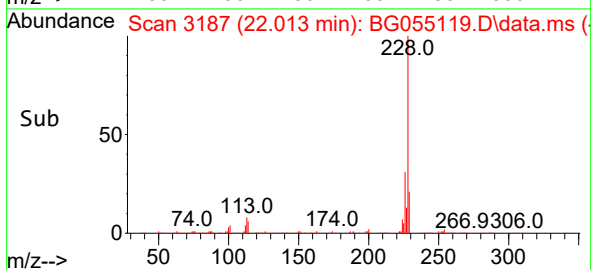
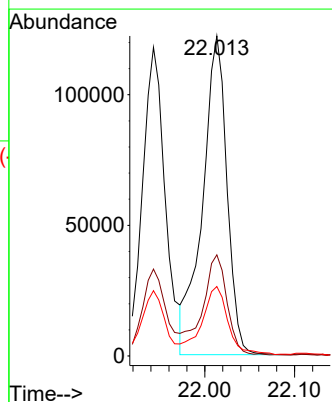
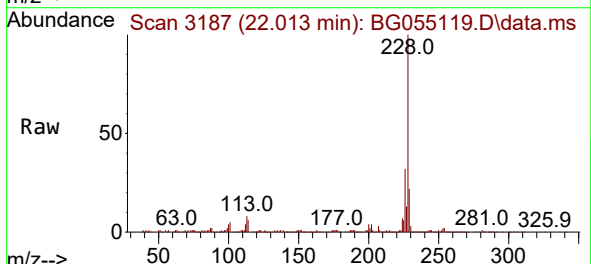
Instrument :
BNA_G
ClientSampleId :
SASP2-T-3-(0-5)

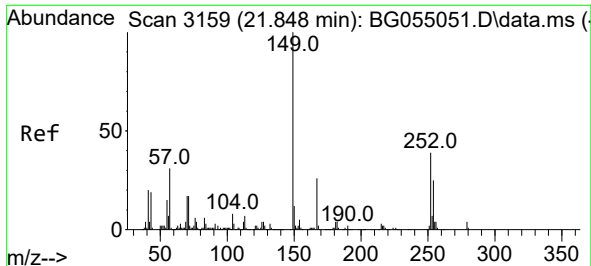
Tgt Ion:228 Resp: 206310
Ion Ratio Lower Upper
228 100
226 28.2 22.4 33.6
229 21.2 16.7 25.1



#83
Chrysene
Concen: 17.151 ng
RT: 22.013 min Scan# 3187
Delta R.T. -0.008 min
Lab File: BG055119.D
Acq: 10 Oct 2022 19:28

Tgt Ion:228 Resp: 230835
Ion Ratio Lower Upper
228 100
226 31.6 25.3 37.9
229 21.7 16.1 24.1

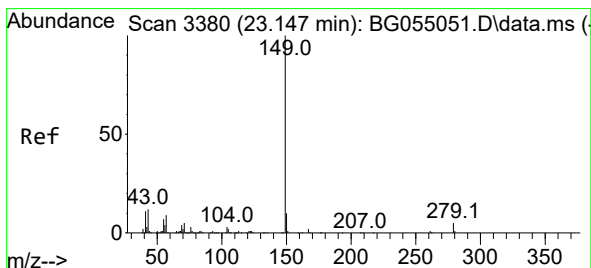
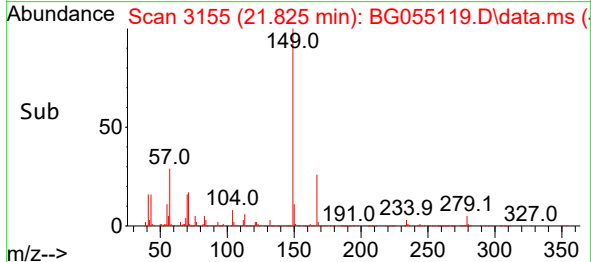
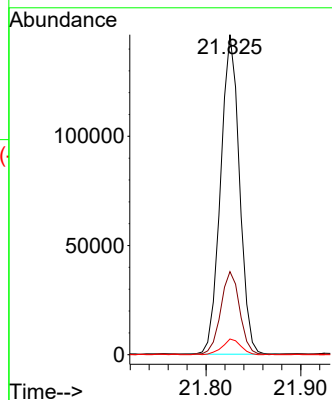
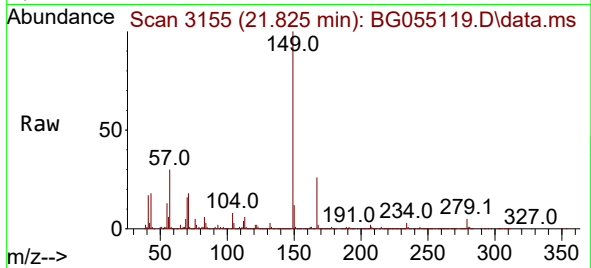




#84
Bis(2-ethylhexyl)phthalate
Concen: 31.150 ng
RT: 21.825 min Scan# 3155
Delta R.T. -0.008 min
Lab File: BG055119.D
Acq: 10 Oct 2022 19:28

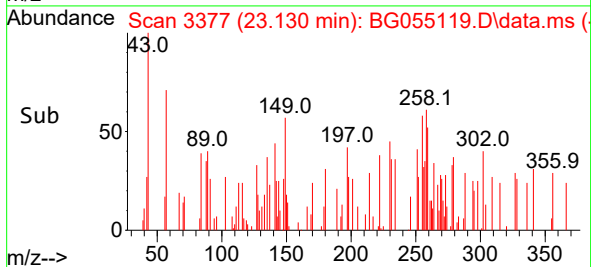
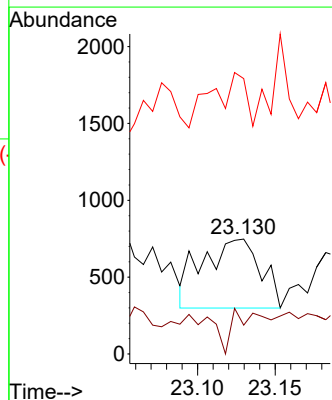
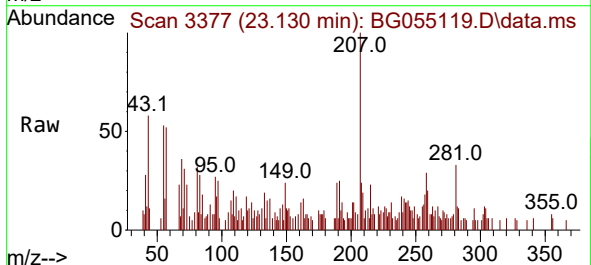
Instrument :
BNA_G
ClientSampleId :
SASP2-T-3-(0-5)

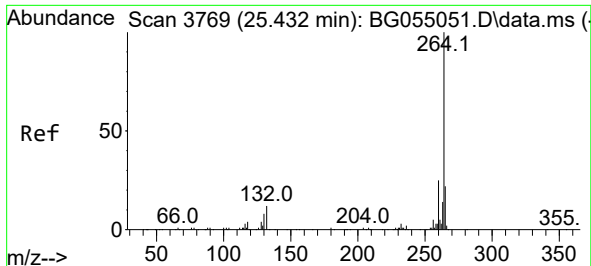
Tgt Ion:149 Resp: 202397
Ion Ratio Lower Upper
149 100
167 25.9 21.0 31.4
279 4.9 3.4 5.2



#85
Di-n-octyl phthalate
Concen: 4.434 ng
RT: 23.130 min Scan# 3377
Delta R.T. 0.003 min
Lab File: BG055119.D
Acq: 10 Oct 2022 19:28

Tgt Ion:149 Resp: 1174
Ion Ratio Lower Upper
149 100
167 36.5 1.3 1.9#
43 45.5 10.2 15.4#

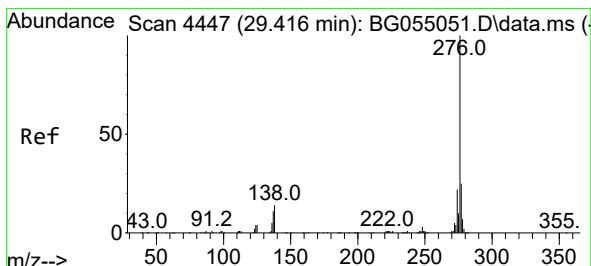
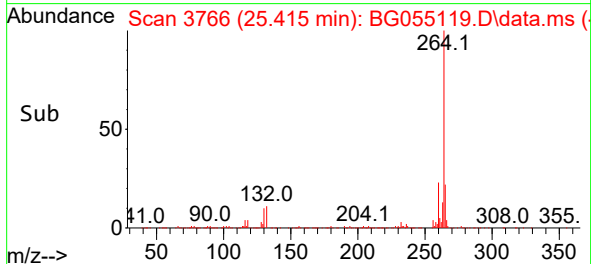
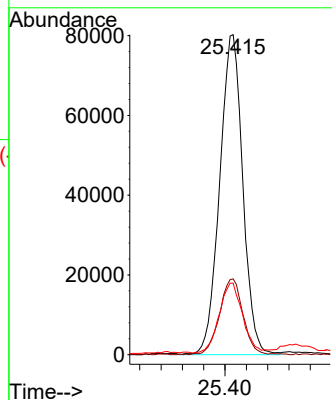
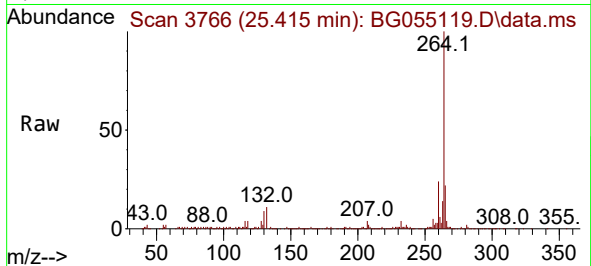




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.415 min Scan# 31
 Delta R.T. -0.002 min
 Lab File: BG055119.D
 Acq: 10 Oct 2022 19:28

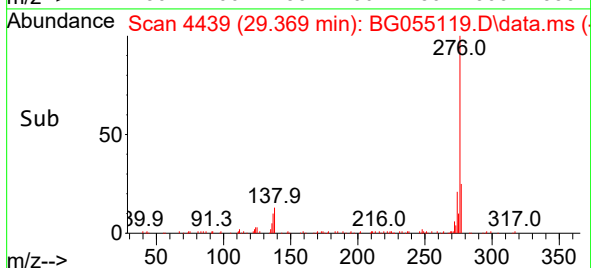
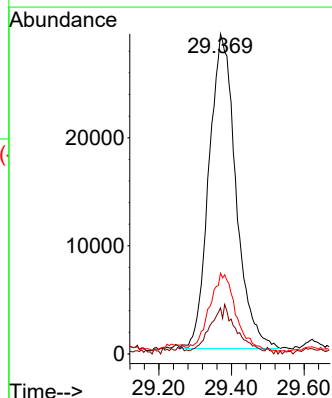
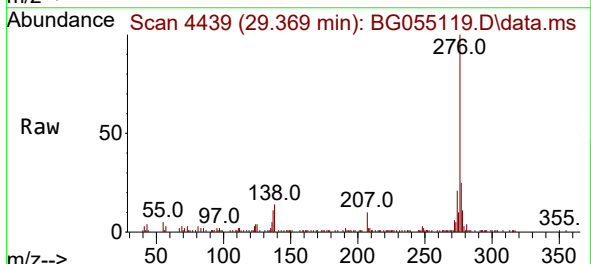
Instrument :
 BNA_G
 ClientSampleId :
 SASP2-T-3-(0-5)

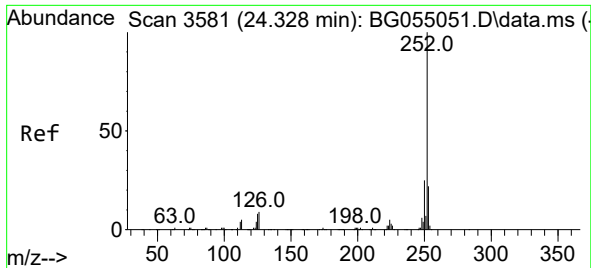
Tgt Ion:264 Resp: 241373
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.7 29.5
 265 22.4 17.8 26.6



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.602 ng
 RT: 29.369 min Scan# 4439
 Delta R.T. -0.020 min
 Lab File: BG055119.D
 Acq: 10 Oct 2022 19:28

Tgt Ion:276 Resp: 149833
 Ion Ratio Lower Upper
 276 100
 138 6.5 10.0 15.0#
 277 24.4 20.0 30.0

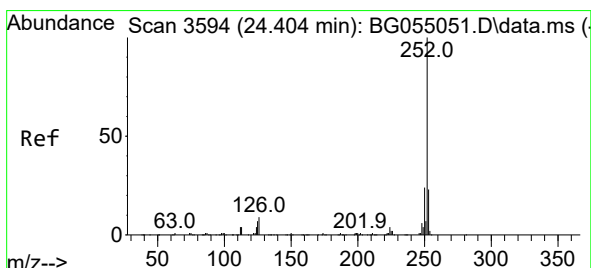
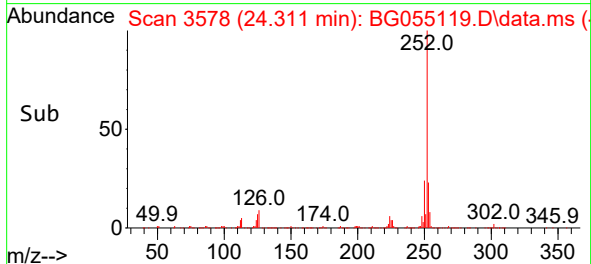
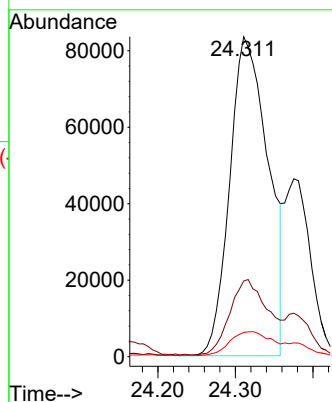
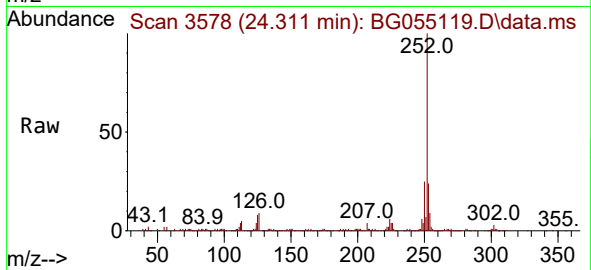




#88
Benzo(b)fluoranthene
Concen: 20.222 ng
RT: 24.311 min Scan# 3578
Delta R.T. -0.008 min
Lab File: BG055119.D
Acq: 10 Oct 2022 19:28

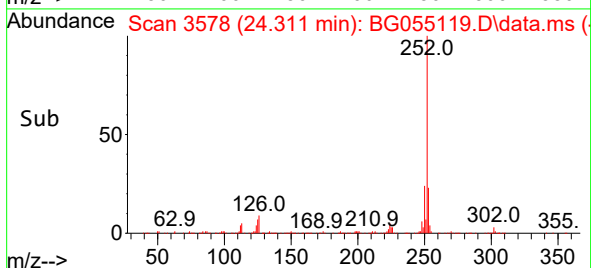
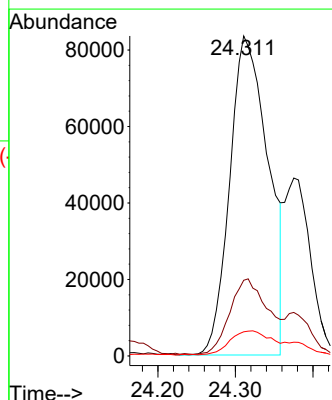
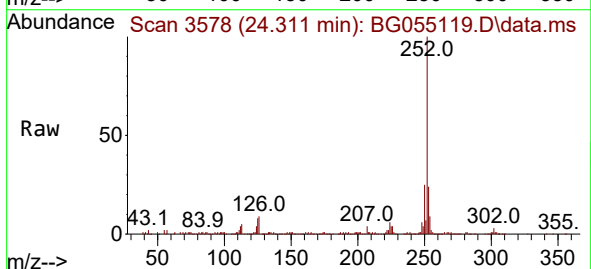
Instrument :
BNA_G
ClientSampleId :
SASP2-T-3-(0-5)

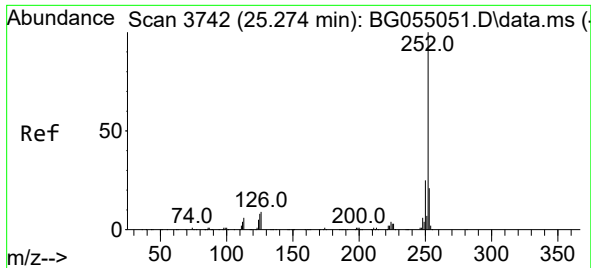
Tgt Ion:252 Resp: 287589
Ion Ratio Lower Upper
252 100
253 23.7 17.9 26.9
125 7.6 6.1 9.1



#89
Benzo(k)fluoranthene
Concen: 20.072 ng
RT: 24.311 min Scan# 3578
Delta R.T. -0.079 min
Lab File: BG055119.D
Acq: 10 Oct 2022 19:28

Tgt Ion:252 Resp: 287589
Ion Ratio Lower Upper
252 100
253 23.7 17.9 26.9
125 7.6 5.8 8.6

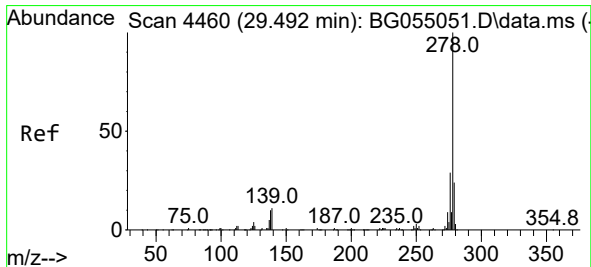
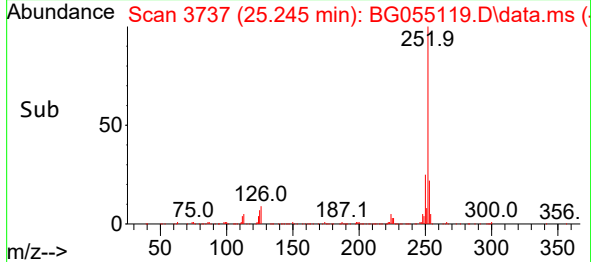
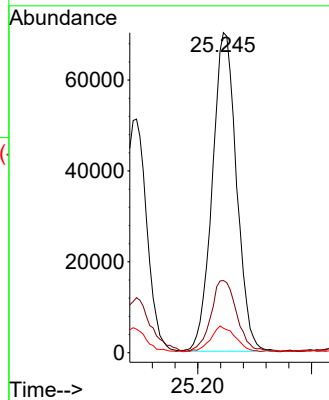
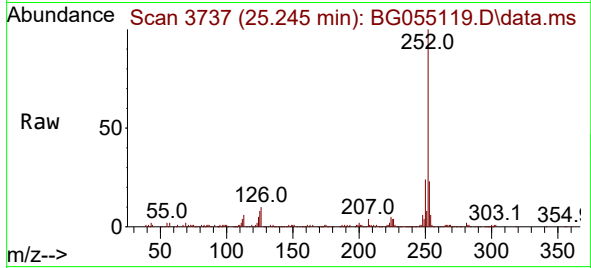




#90
Benzo(a)pyrene
Concen: 17.009 ng
RT: 25.245 min Scan# 31
Delta R.T. -0.008 min
Lab File: BG055119.D
Acq: 10 Oct 2022 19:28

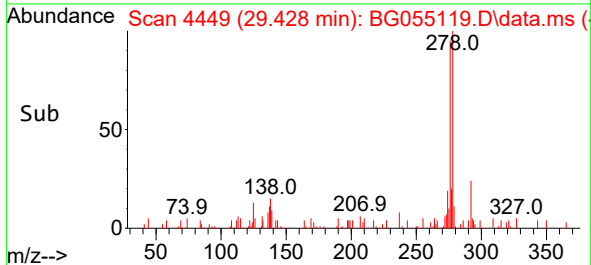
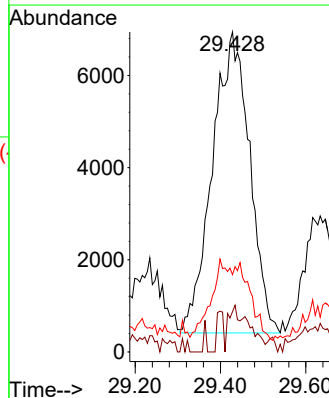
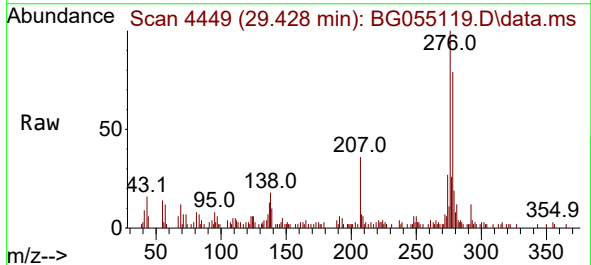
Instrument :
BNA_G
ClientSampleId :
SASP2-T-3-(0-5)

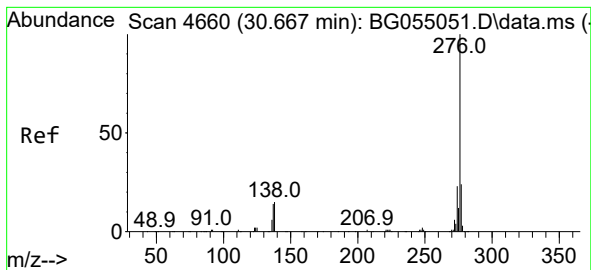
Tgt Ion:252 Resp: 207333
Ion Ratio Lower Upper
252 100
253 22.6 16.9 25.3
125 7.7 6.6 9.8



#91
Dibenzo(a,h)anthracene
Concen: 2.794 ng
RT: 29.428 min Scan# 4449
Delta R.T. -0.038 min
Lab File: BG055119.D
Acq: 10 Oct 2022 19:28

Tgt Ion:278 Resp: 39538
Ion Ratio Lower Upper
278 100
139 12.6 8.5 12.7
279 24.2 19.0 28.6





#92

Benzo(g,h,i)perylene

Concen: 9.867 ng

RT: 30.615 min Scan# 4

Delta R.T. -0.014 min

Lab File: BG055119.D

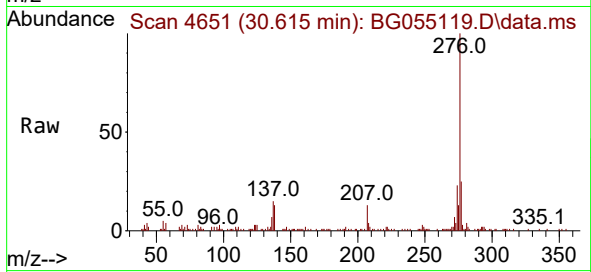
Acq: 10 Oct 2022 19:28

Instrument :

BNA_G

ClientSampleId :

SASP2-T-3-(0-5)



Tgt Ion:276 Resp: 140149

Ion Ratio Lower Upper

276 100

277 24.9 18.8 28.2

138 13.4 11.8 17.6

