

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG113022\
 Data File : BG055845.D
 Acq On : 30 Nov 2022 17:06
 Operator : CG/JU
 Sample : N5795-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-10

Quant Time: Dec 01 02:13:44 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 01 02:10:33 2022
 Response via : Initial Calibration

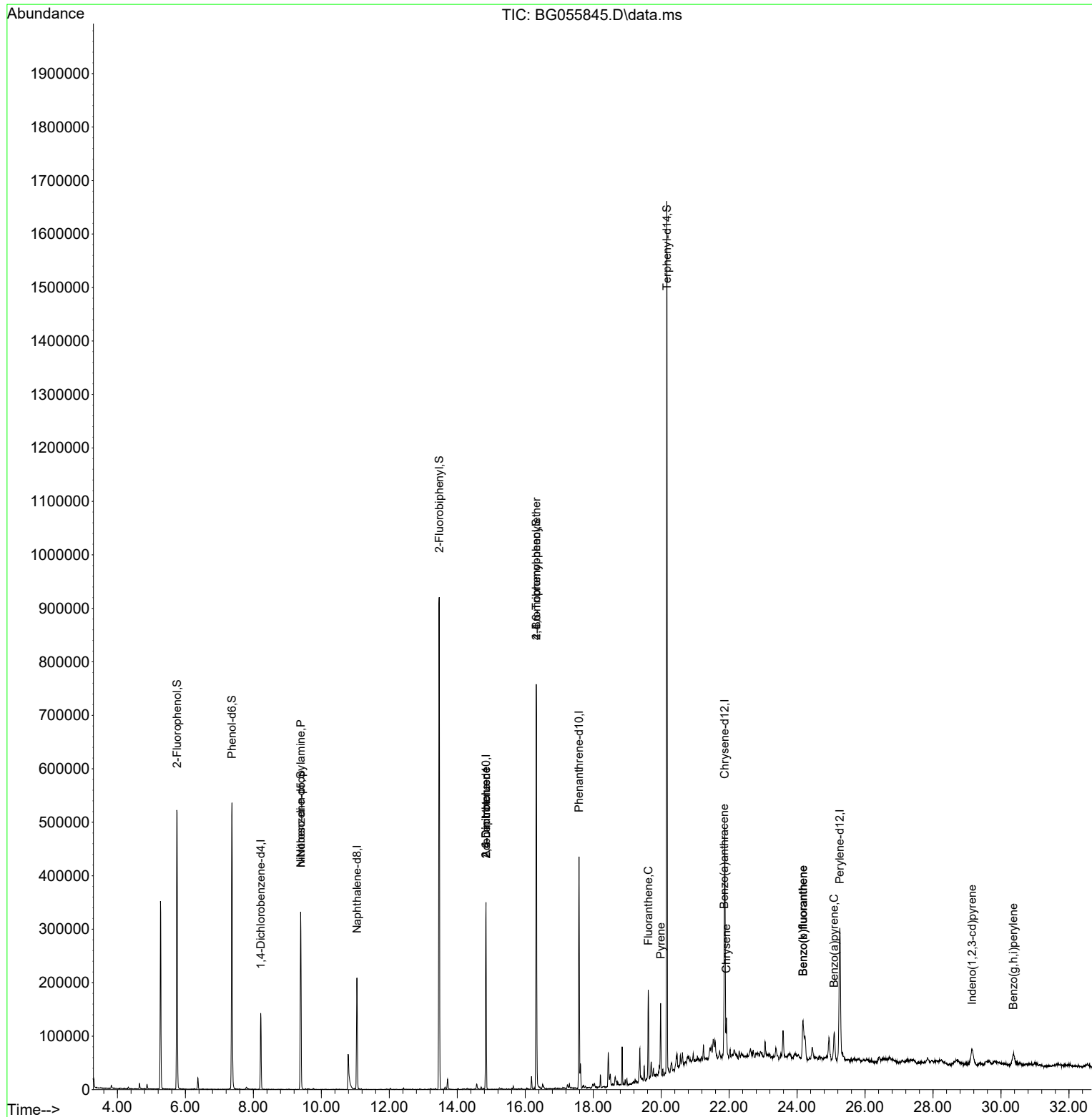
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.217	152	40434	20.000	ng	0.00
21) Naphthalene-d8	11.049	136	177256	20.000	ng	0.00
39) Acenaphthene-d10	14.845	164	128515	20.000	ng	0.00
64) Phenanthrene-d10	17.583	188	288103	20.000	ng	0.00
76) Chrysene-d12	21.872	240	267620	20.000	ng	0.00
86) Perylene-d12	25.256	264	281697	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.755	112	229566	102.623	ng	0.00
7) Phenol-d6	7.371	99	307480	103.258	ng	0.00
23) Nitrobenzene-d5	9.392	82	197664	58.940	ng	0.00
42) 2,4,6-Tribromophenol	16.325	330	162677	89.894	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	510326	59.490	ng	0.00
79) Terphenyl-d14	20.168	244	822502	61.472	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.392	70	26492	11.579	ng	# 79
51) 2,6-Dinitrotoluene	14.845	165	16770	8.006	ng	# 26
57) 2,4-Dinitrotoluene	14.845	165	16770	5.678	ng	# 24
67) 4-Bromophenyl-phenylether	16.325	248	10679	3.253	ng	# 1
75) Fluoranthene	19.622	202	108029	5.711	ng	99
78) Pyrene	19.986	202	85684	4.730	ng	99
81) Benzo(a)anthracene	21.854	228	59084	3.205	ng	95
83) Chrysene	21.919	228	58963	3.360	ng	97
87) Indeno(1,2,3-cd)pyrene	29.152	276	47035	2.038	ng	# 95
88) Benzo(b)fluoranthene	24.175	252	94078	5.128	ng	99
89) Benzo(k)fluoranthene	24.175	252	94078	5.145	ng	99
90) Benzo(a)pyrene	25.092	252	56732	3.604	ng	# 98
92) Benzo(g,h,i)perylene	30.368	276	43183	2.272	ng	100

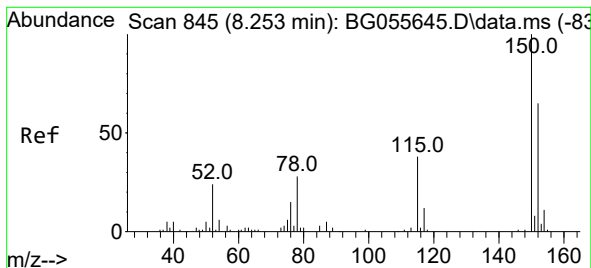
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.217 min Scan# 81

Delta R.T. -0.002 min

Lab File: BG055845.D

Acq: 30 Nov 2022 17:06

Instrument :

BNA_G

ClientSampleId :

TP-10

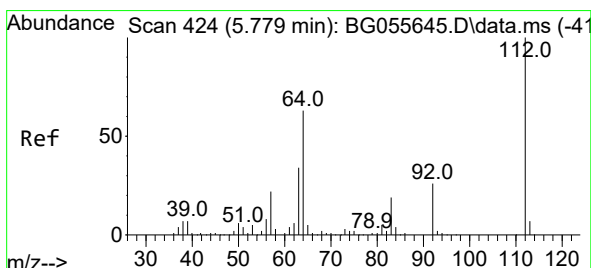
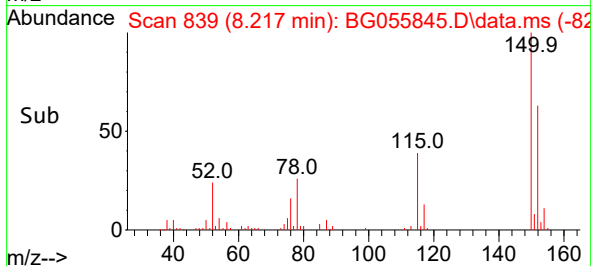
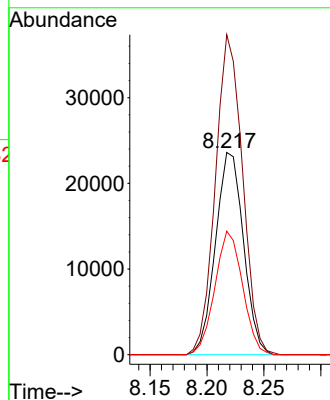
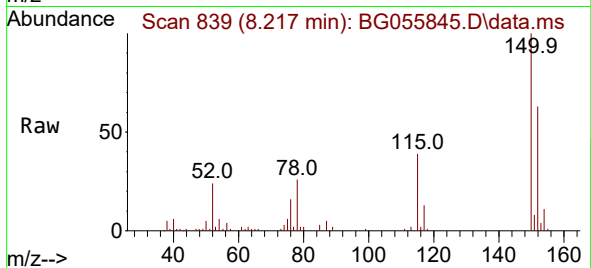
Tgt Ion:152 Resp: 40434

Ion Ratio Lower Upper

152 100

150 158.3 123.0 184.6

115 61.1 47.0 70.4



#5

2-Fluorophenol

Concen: 102.623 ng

RT: 5.755 min Scan# 420

Delta R.T. 0.004 min

Lab File: BG055845.D

Acq: 30 Nov 2022 17:06

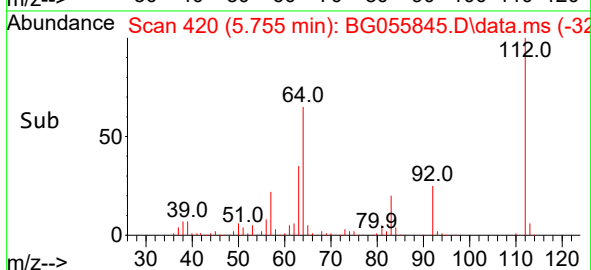
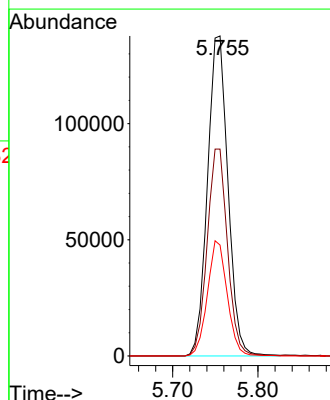
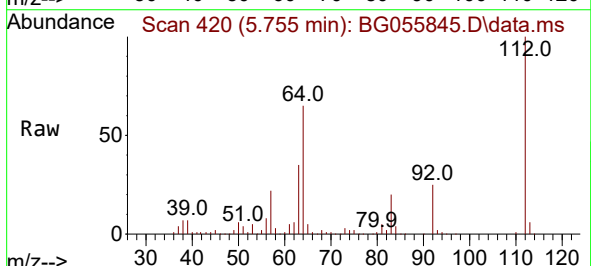
Tgt Ion:112 Resp: 229566

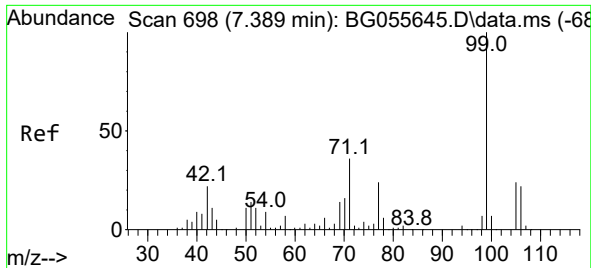
Ion Ratio Lower Upper

112 100

64 64.6 50.6 76.0

63 34.7 27.5 41.3

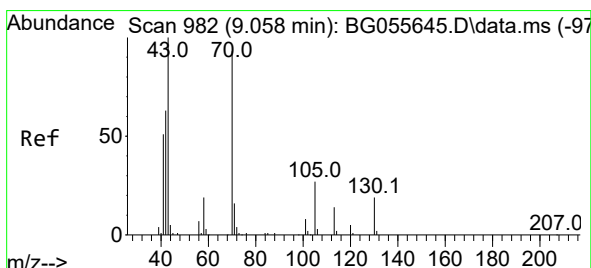
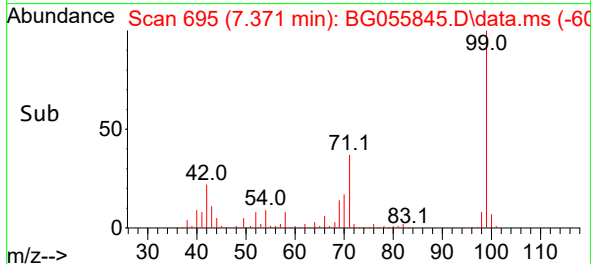
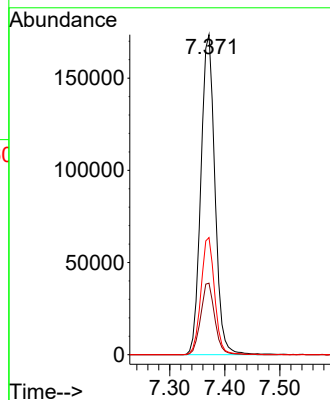
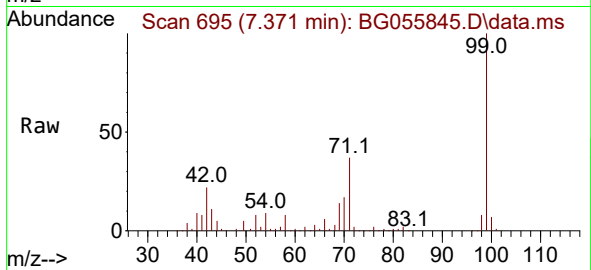




#7
Phenol-d6
Concen: 103.258 ng
RT: 7.371 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG055845.D
Acq: 30 Nov 2022 17:06

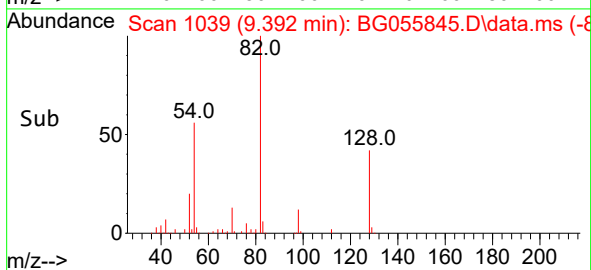
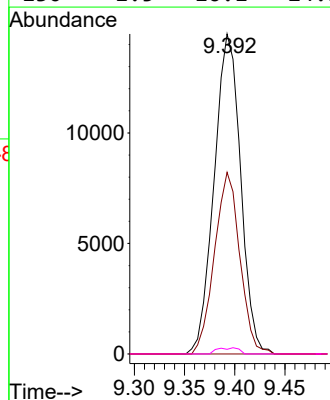
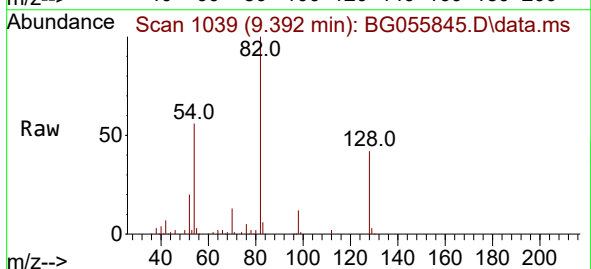
Instrument :
BNA_G
ClientSampleId :
TP-10

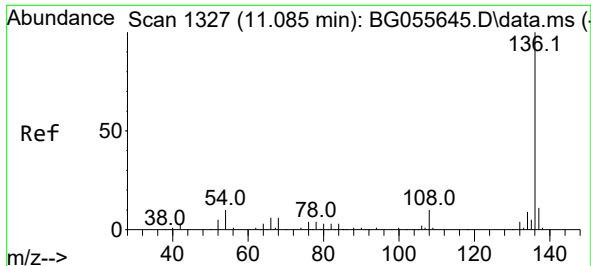
Tgt Ion: 99 Resp: 307480
Ion Ratio Lower Upper
99 100
42 22.3 18.0 27.0
71 36.6 29.0 43.6



#19
n-Nitroso-di-n-propylamine
Concen: 11.579 ng
RT: 9.392 min Scan# 1039
Delta R.T. 0.368 min
Lab File: BG055845.D
Acq: 30 Nov 2022 17:06

Tgt Ion: 70 Resp: 26492
Ion Ratio Lower Upper
70 100
42 56.8 55.2 82.8
101 0.0 7.1 10.7#
130 1.5 16.1 24.1#

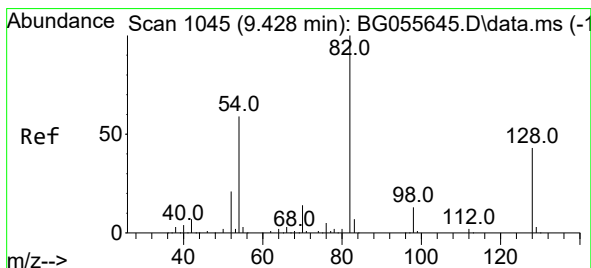
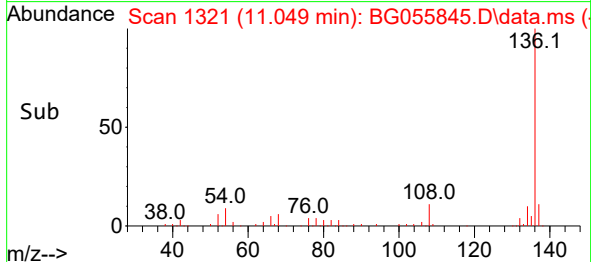
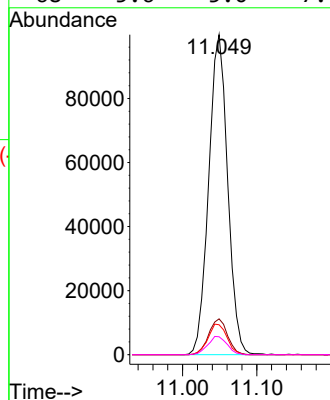
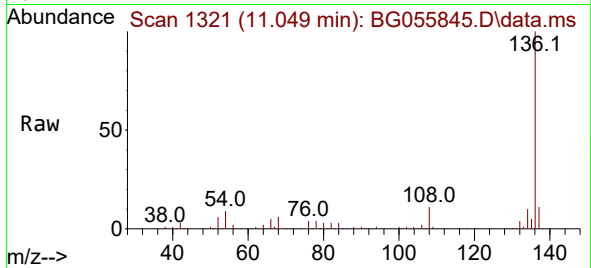




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.049 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG055845.D
Acq: 30 Nov 2022 17:06

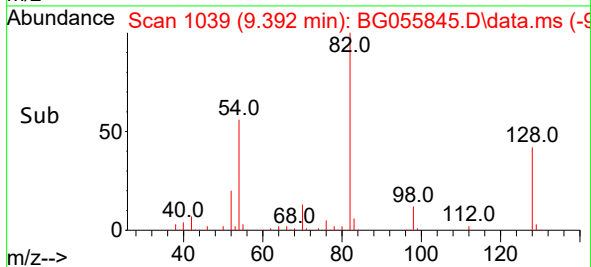
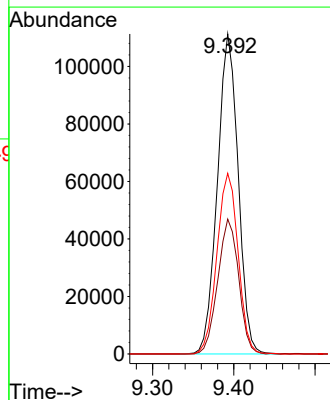
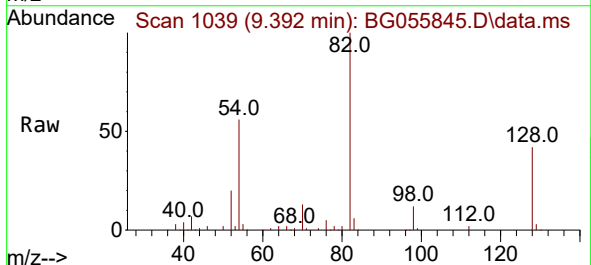
Instrument :
BNA_G
ClientSampleId :
TP-10

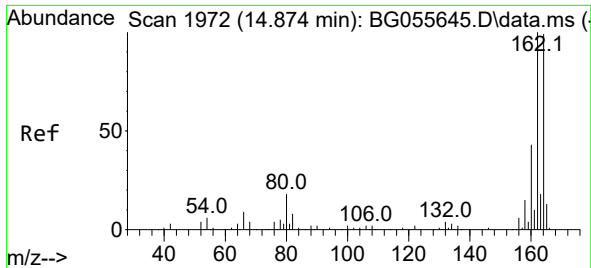
Tgt Ion:	136	Resp:	177256
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.6
54	9.4	7.8	11.6
68	5.6	5.0	7.4



#23
Nitrobenzene-d5
Concen: 58.940 ng
RT: 9.392 min Scan# 1039
Delta R.T. -0.002 min
Lab File: BG055845.D
Acq: 30 Nov 2022 17:06

Tgt Ion:	82	Resp:	197664
Ion	Ratio	Lower	Upper
82	100		
128	42.1	34.1	51.1
54	56.4	47.3	70.9

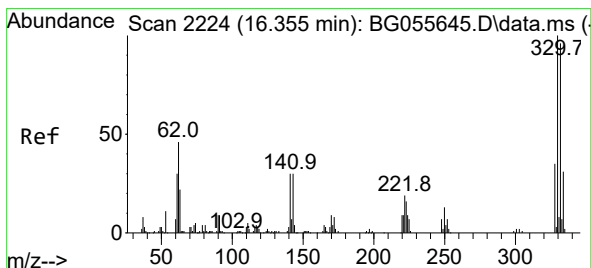
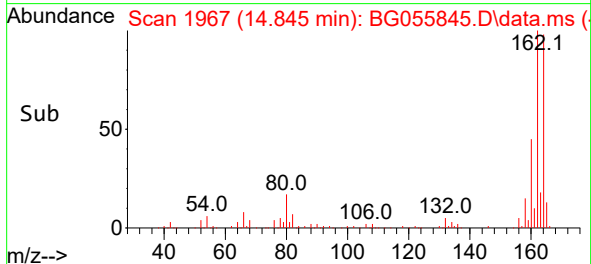
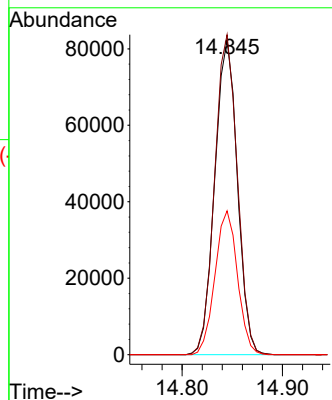
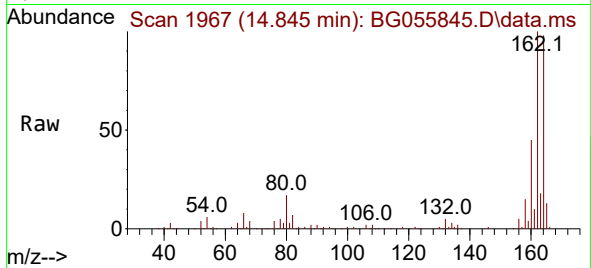




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.845 min Scan# 1967
Delta R.T. -0.002 min
Lab File: BG055845.D
Acq: 30 Nov 2022 17:06

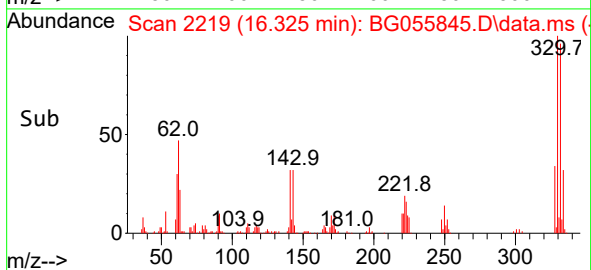
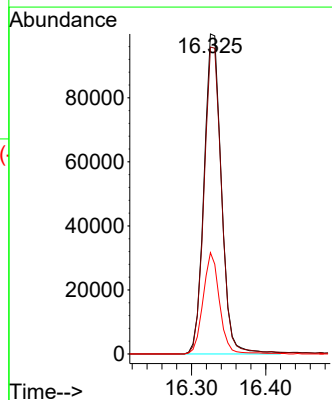
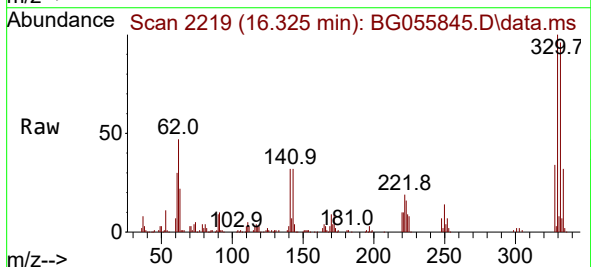
Instrument :
BNA_G
ClientSampleId :
TP-10

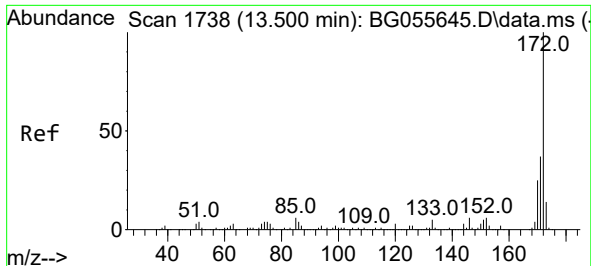
Tgt Ion:164 Resp: 128515
Ion Ratio Lower Upper
164 100
162 101.7 81.1 121.7
160 45.8 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 89.894 ng
RT: 16.325 min Scan# 2219
Delta R.T. -0.002 min
Lab File: BG055845.D
Acq: 30 Nov 2022 17:06

Tgt Ion:330 Resp: 162677
Ion Ratio Lower Upper
330 100
332 97.5 77.8 116.8
141 30.1 23.9 35.9

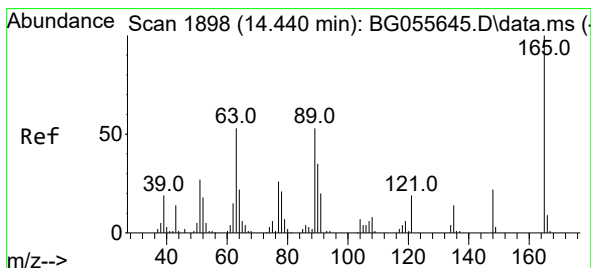
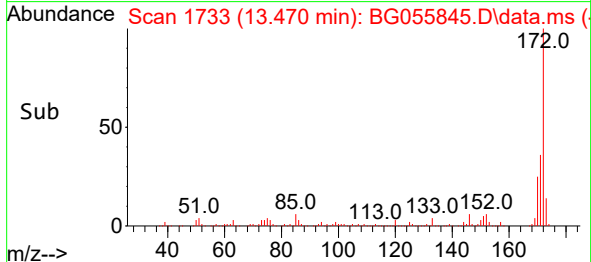
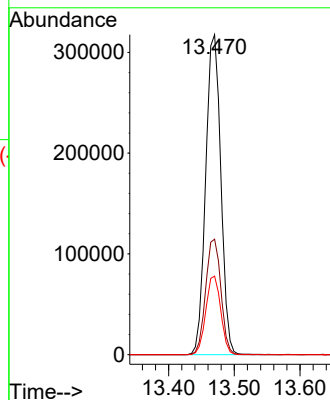
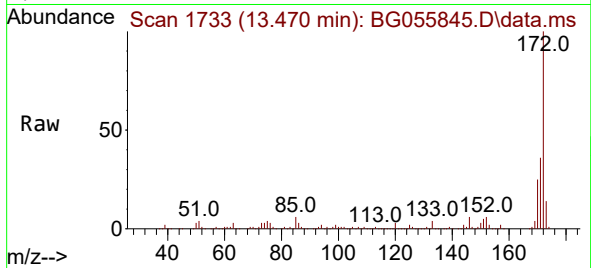




#45
2-Fluorobiphenyl
Concen: 59.490 ng
RT: 13.470 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG055845.D
Acq: 30 Nov 2022 17:06

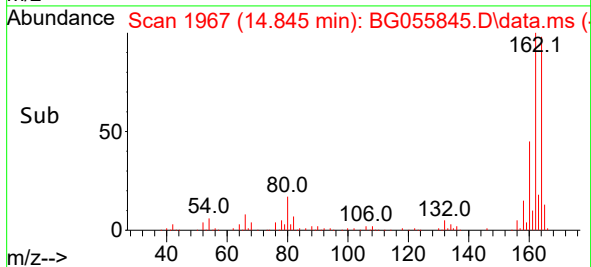
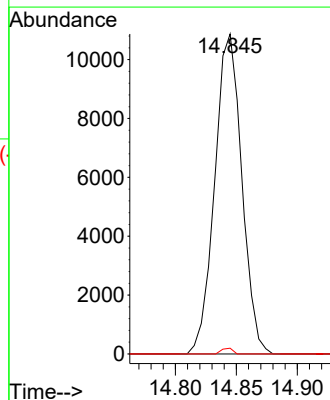
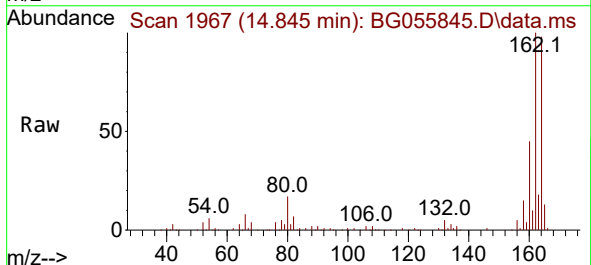
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BNA_G
ClientSampleId :
TP-10

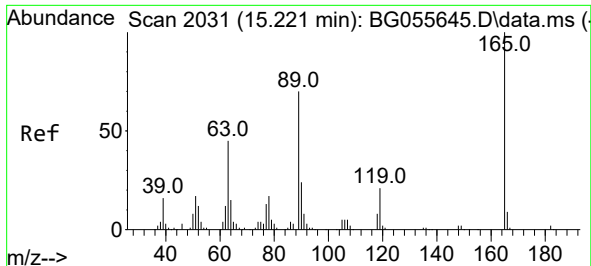
Tgt Ion:172 Resp: 510326
Ion Ratio Lower Upper
172 100
171 36.1 29.8 44.6
170 24.5 20.2 30.4



#51
2,6-Dinitrotoluene
Concen: 8.006 ng
RT: 14.845 min Scan# 1967
Delta R.T. 0.427 min
Lab File: BG055845.D
Acq: 30 Nov 2022 17:06

Tgt Ion:165 Resp: 16770
Ion Ratio Lower Upper
165 100
63 0.0 44.6 66.8#
89 1.8 42.2 63.4#





#57

2,4-Dinitrotoluene

Concen: 5.678 ng

RT: 14.845 min Scan# 1967

Delta R.T. -0.355 min

Lab File: BG055845.D

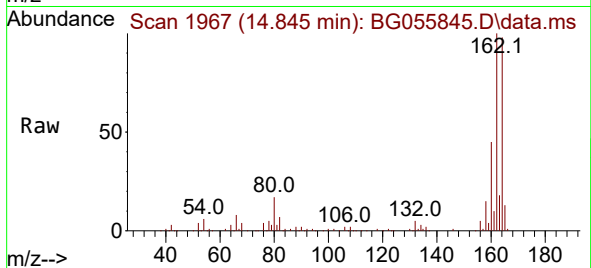
Acq: 30 Nov 2022 17:06

Instrument :

BNA_G

ClientSampleId :

TP-10



Tgt Ion:165 Resp: 16770

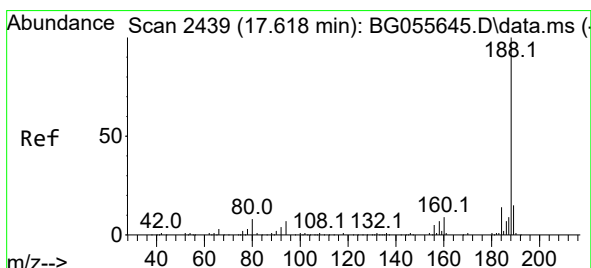
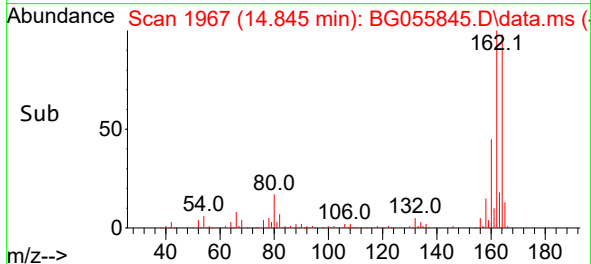
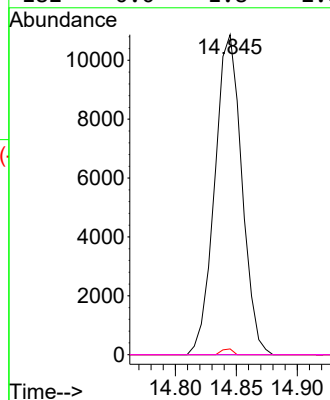
Ion Ratio Lower Upper

165 100

63 0.0 35.8 53.8#

89 1.8 56.2 84.4#

182 0.0 1.8 2.8#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.583 min Scan# 2433

Delta R.T. -0.002 min

Lab File: BG055845.D

Acq: 30 Nov 2022 17:06

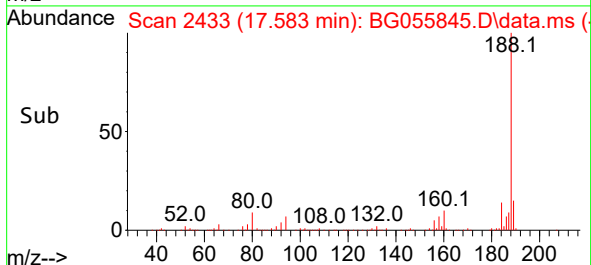
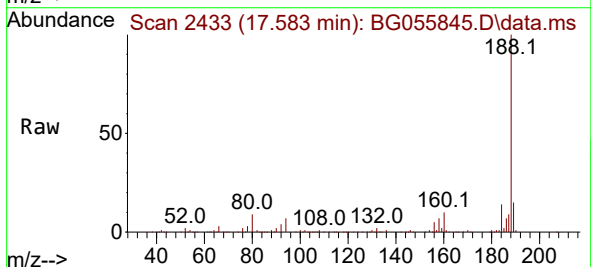
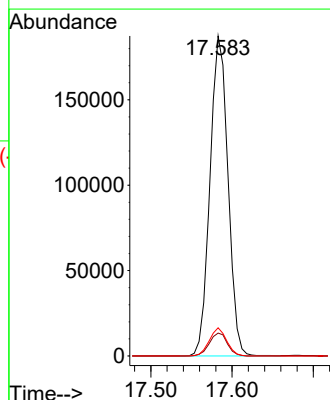
Tgt Ion:188 Resp: 288103

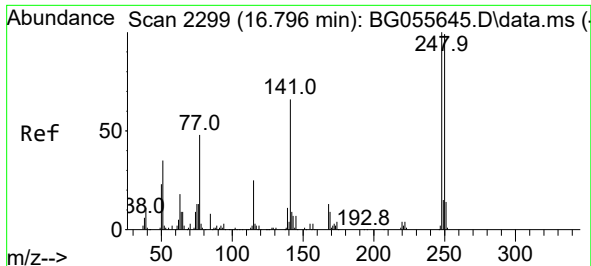
Ion Ratio Lower Upper

188 100

94 7.2 5.4 8.2

80 8.8 6.6 10.0

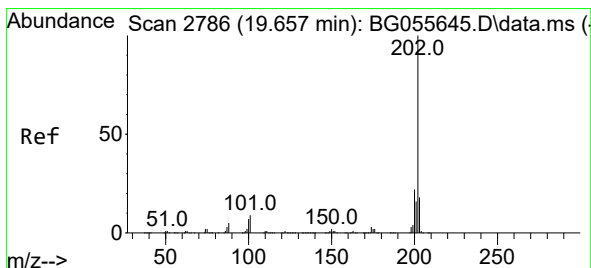
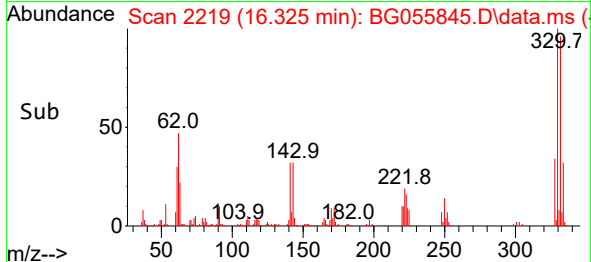
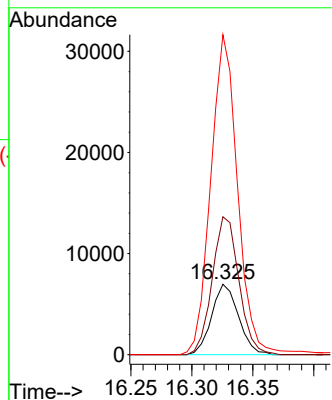
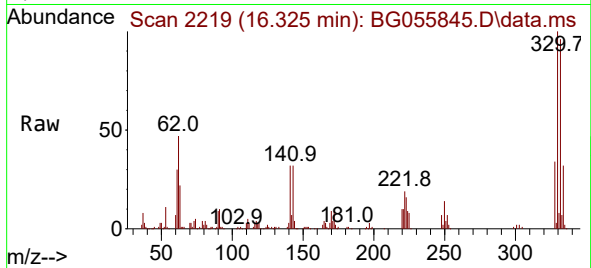




#67
4-Bromophenyl-phenylether
Concen: 3.253 ng
RT: 16.325 min Scan# 211
Delta R.T. -0.437 min
Lab File: BG055845.D
Acq: 30 Nov 2022 17:06

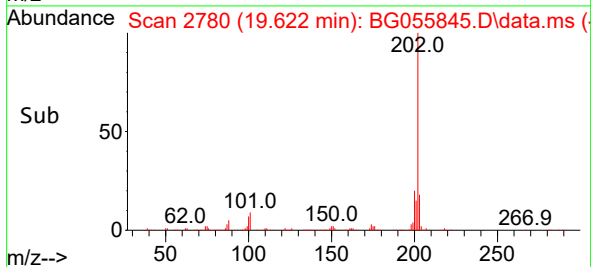
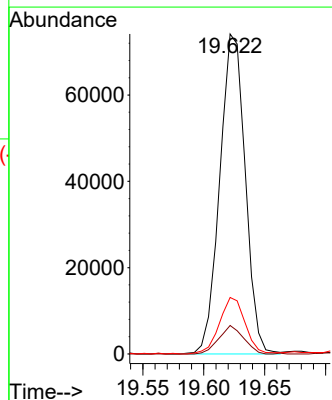
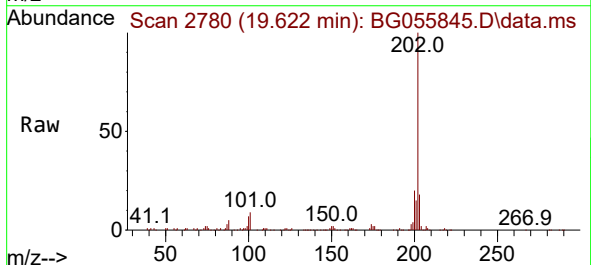
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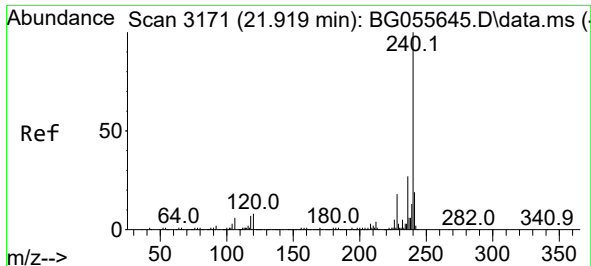
Tgt Ion:248 Resp: 10679
Ion Ratio Lower Upper
248 100
250 195.9 79.0 118.4#
141 454.6 52.9 79.3#



#75
Fluoranthene
Concen: 5.711 ng
RT: 19.622 min Scan# 2780
Delta R.T. -0.002 min
Lab File: BG055845.D
Acq: 30 Nov 2022 17:06

Tgt Ion:202 Resp: 108029
Ion Ratio Lower Upper
202 100
101 8.9 0.0 28.8
203 17.6 0.0 38.1

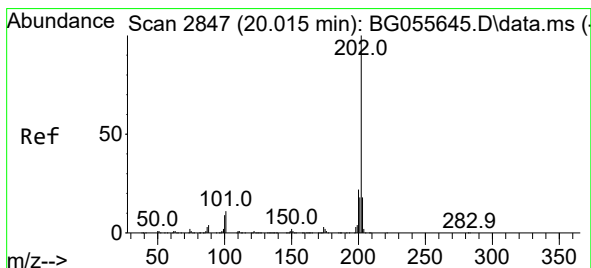
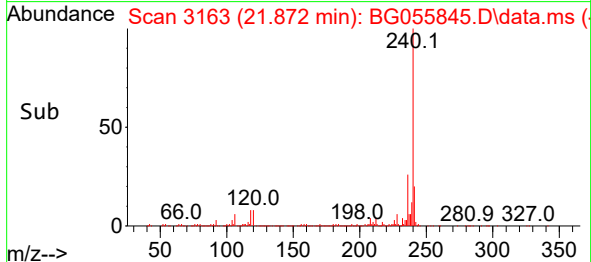
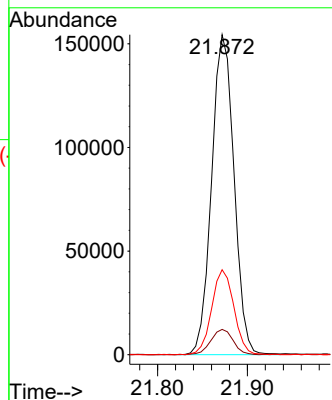
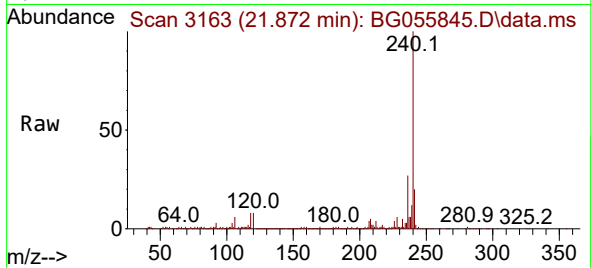




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.872 min Scan# 3171
Delta R.T. -0.008 min
Lab File: BG055845.D
Acq: 30 Nov 2022 17:06

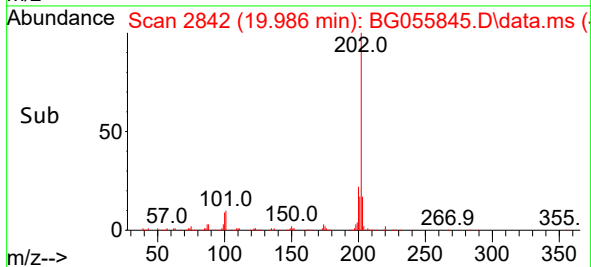
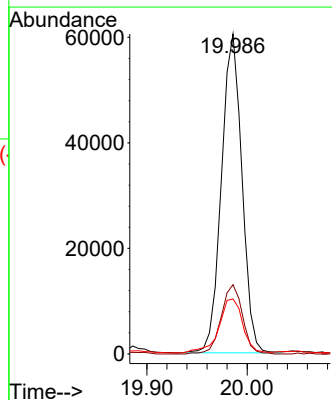
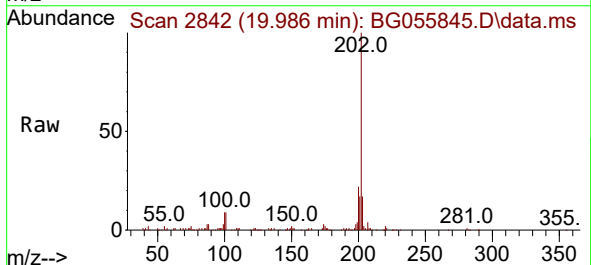
Instrument :
BNA_G
ClientSampleId :
TP-10

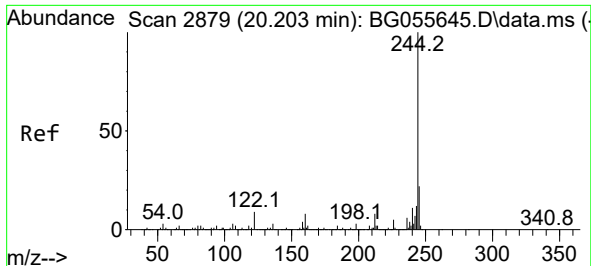
Tgt Ion:240 Resp: 267620
Ion Ratio Lower Upper
240 100
120 7.9 6.3 9.5
236 26.6 21.9 32.9



#78
Pyrene
Concen: 4.730 ng
RT: 19.986 min Scan# 2842
Delta R.T. -0.002 min
Lab File: BG055845.D
Acq: 30 Nov 2022 17:06

Tgt Ion:202 Resp: 85684
Ion Ratio Lower Upper
202 100
200 21.7 17.8 26.6
203 17.2 14.4 21.6

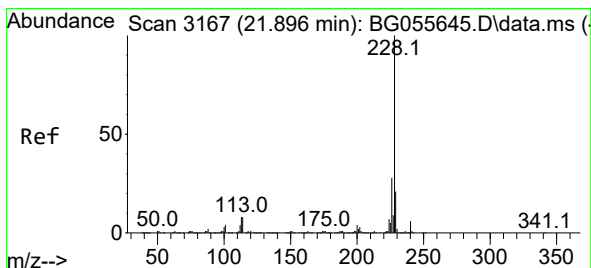
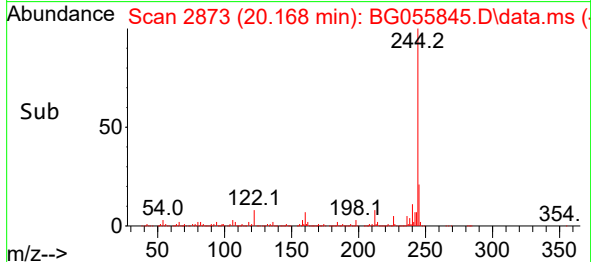
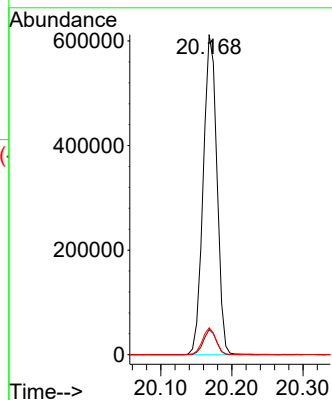
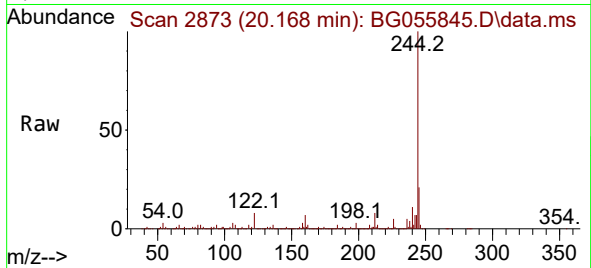




#79
 Terphenyl-d14
 Concen: 61.472 ng
 RT: 20.168 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG055845.D
 Acq: 30 Nov 2022 17:06

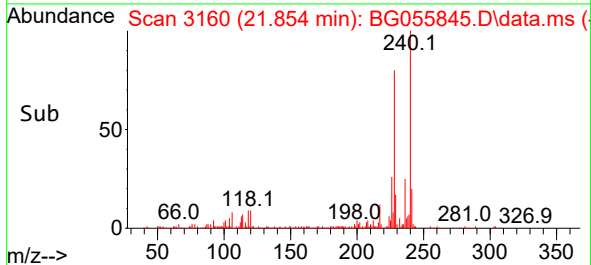
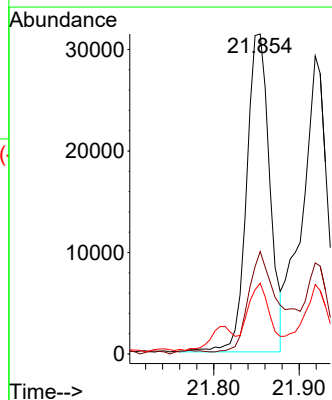
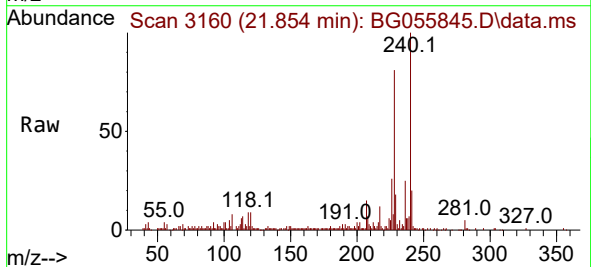
Instrument :
 BNA_G
 ClientSampleId :
 TP-10

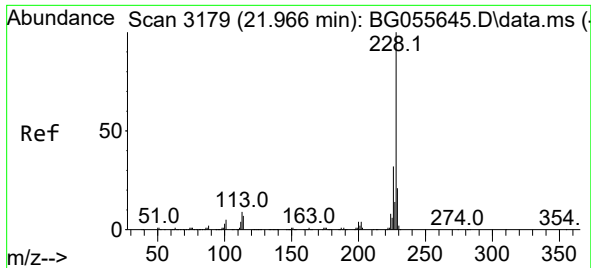
Tgt Ion:244 Resp: 822502
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.3 9.5
 122 8.4 6.9 10.3



#81
 Benzo(a)anthracene
 Concen: 3.205 ng
 RT: 21.854 min Scan# 3160
 Delta R.T. -0.002 min
 Lab File: BG055845.D
 Acq: 30 Nov 2022 17:06

Tgt Ion:228 Resp: 59084
 Ion Ratio Lower Upper
 228 100
 226 32.0 22.7 34.1
 229 22.1 16.5 24.7

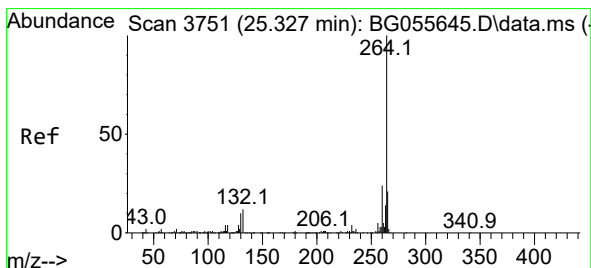
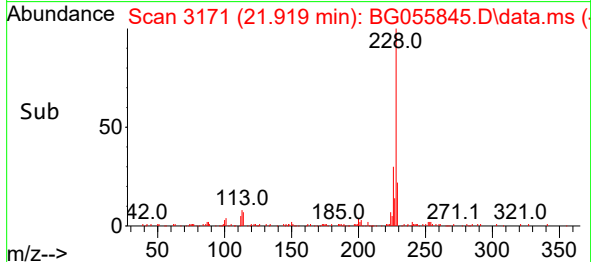
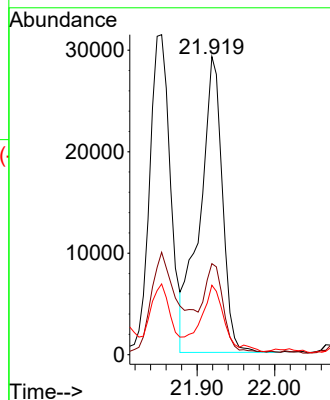
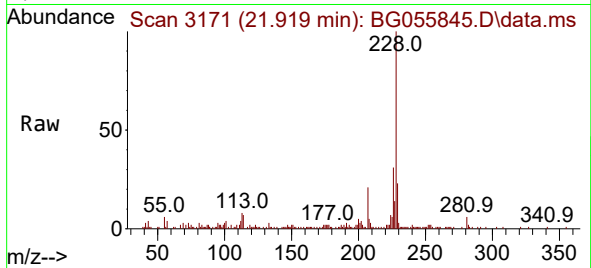




#83
Chrysene
Concen: 3.360 ng
RT: 21.919 min Scan# 3179
Delta R.T. -0.008 min
Lab File: BG055845.D
Acq: 30 Nov 2022 17:06

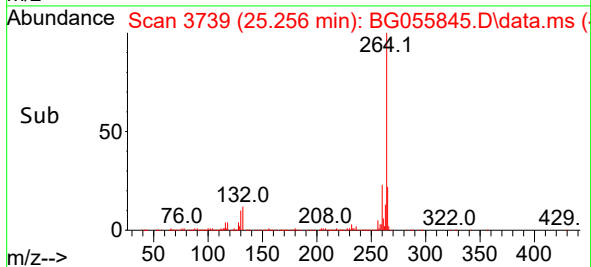
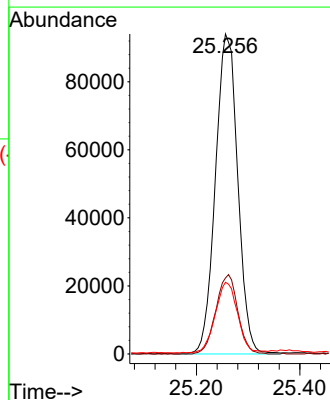
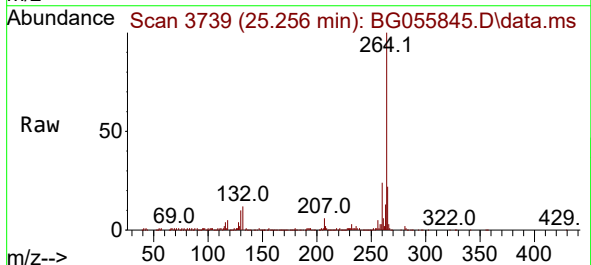
Instrument :
BNA_G
ClientSampleId :
TP-10

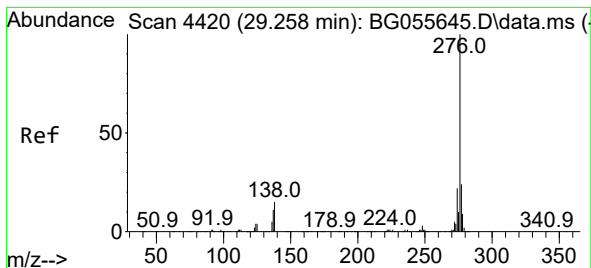
Tgt Ion:228 Resp: 58963
Ion Ratio Lower Upper
228 100
226 30.5 25.4 38.2
229 23.3 17.1 25.7



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.256 min Scan# 3739
Delta R.T. -0.002 min
Lab File: BG055845.D
Acq: 30 Nov 2022 17:06

Tgt Ion:264 Resp: 281697
Ion Ratio Lower Upper
264 100
260 23.7 19.5 29.3
265 22.4 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.038 ng

RT: 29.152 min Scan# 4420

Delta R.T. -0.020 min

Lab File: BG055845.D

Acq: 30 Nov 2022 17:06

Instrument :

BNA_G

ClientSampleId :

TP-10

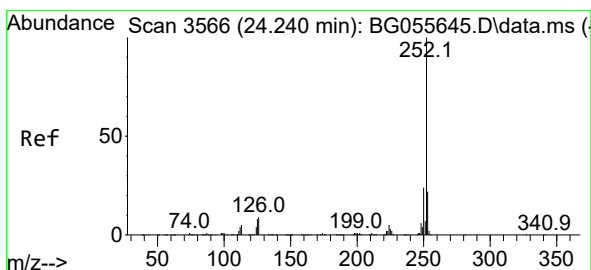
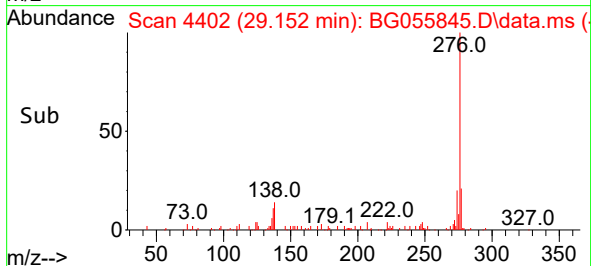
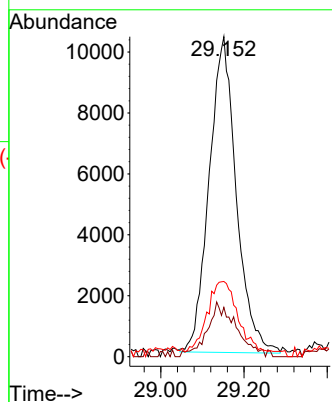
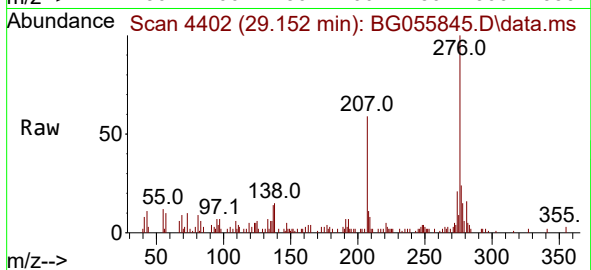
Tgt Ion:276 Resp: 47035

Ion Ratio Lower Upper

276 100

138 18.4 10.4 15.6#

277 24.6 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 5.128 ng

RT: 24.175 min Scan# 3555

Delta R.T. -0.002 min

Lab File: BG055845.D

Acq: 30 Nov 2022 17:06

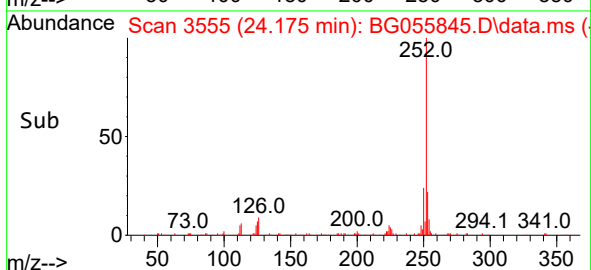
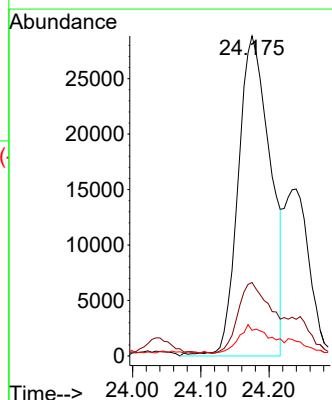
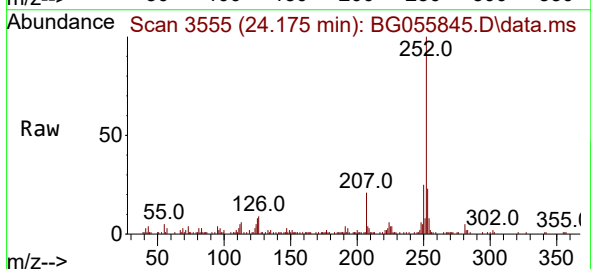
Tgt Ion:252 Resp: 94078

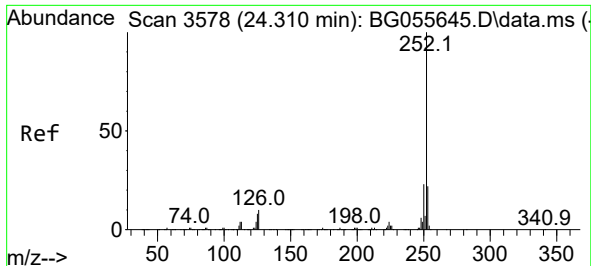
Ion Ratio Lower Upper

252 100

253 22.9 18.0 27.0

125 8.0 6.2 9.2





#89

Benzo(k)fluoranthene

Concen: 5.145 ng

RT: 24.175 min Scan# 3

Delta R.T. -0.078 min

Lab File: BG055845.D

Acq: 30 Nov 2022 17:06

Instrument :

BNA_G

ClientSampleId :

TP-10

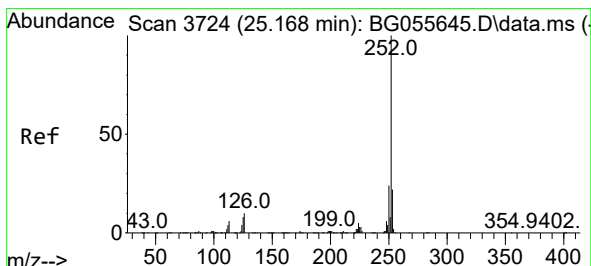
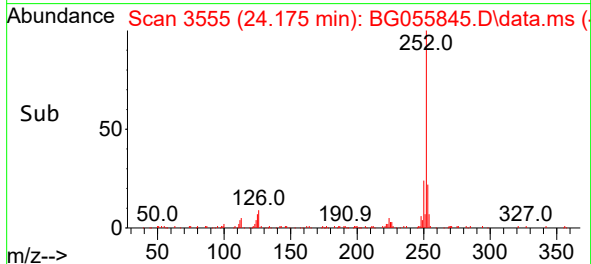
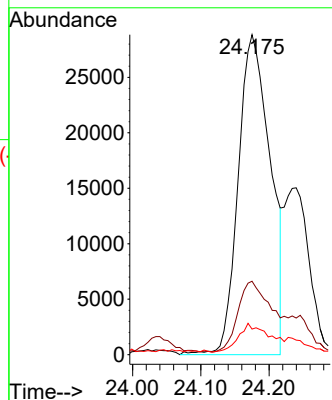
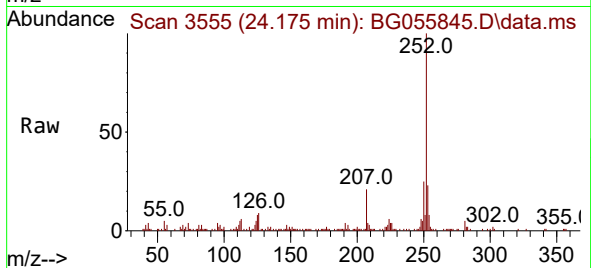
Tgt Ion:252 Resp: 94078

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.6

125 8.0 6.1 9.1



#90

Benzo(a)pyrene

Concen: 3.604 ng

RT: 25.092 min Scan# 3711

Delta R.T. -0.008 min

Lab File: BG055845.D

Acq: 30 Nov 2022 17:06

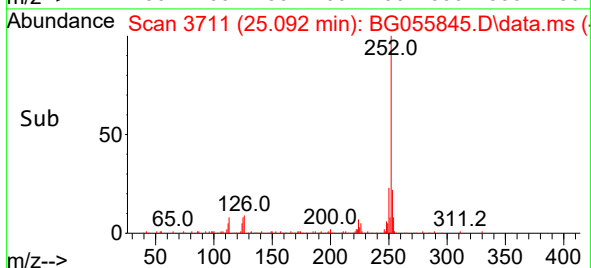
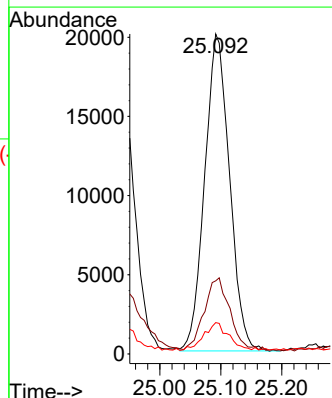
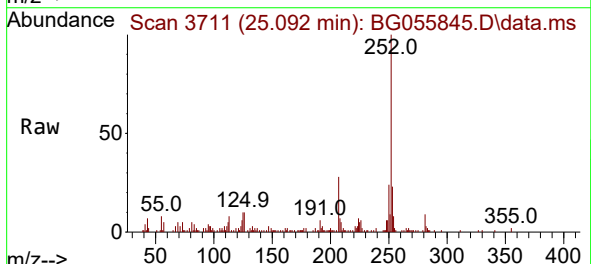
Tgt Ion:252 Resp: 56732

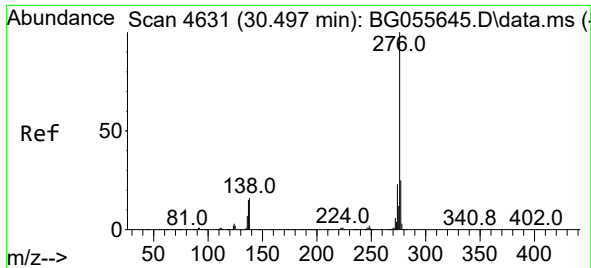
Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.6

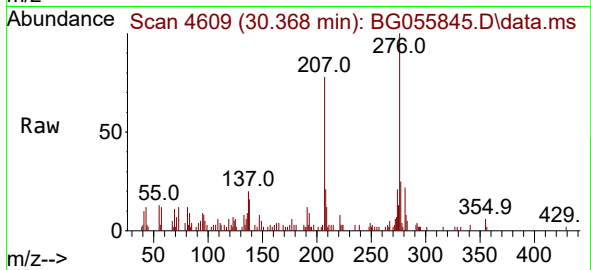
125 9.8 6.4 9.6#





#92
 Benzo(g,h,i)perylene
 Concen: 2.272 ng
 RT: 30.368 min Scan# 4
 Delta R.T. -0.031 min
 Lab File: BG055845.D
 Acq: 30 Nov 2022 17:06

Instrument :
 BNA_G
 ClientSampleId :
 TP-10



Tgt Ion:	276	Resp:	43183
Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.8	29.6
138	16.4	13.1	19.7

