

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111622\
 Data File : BG055656.D
 Acq On : 16 Nov 2022 21:04
 Operator : CG/JU
 Sample : N5494-19RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-21RE

Quant Time: Nov 17 02:13:28 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)

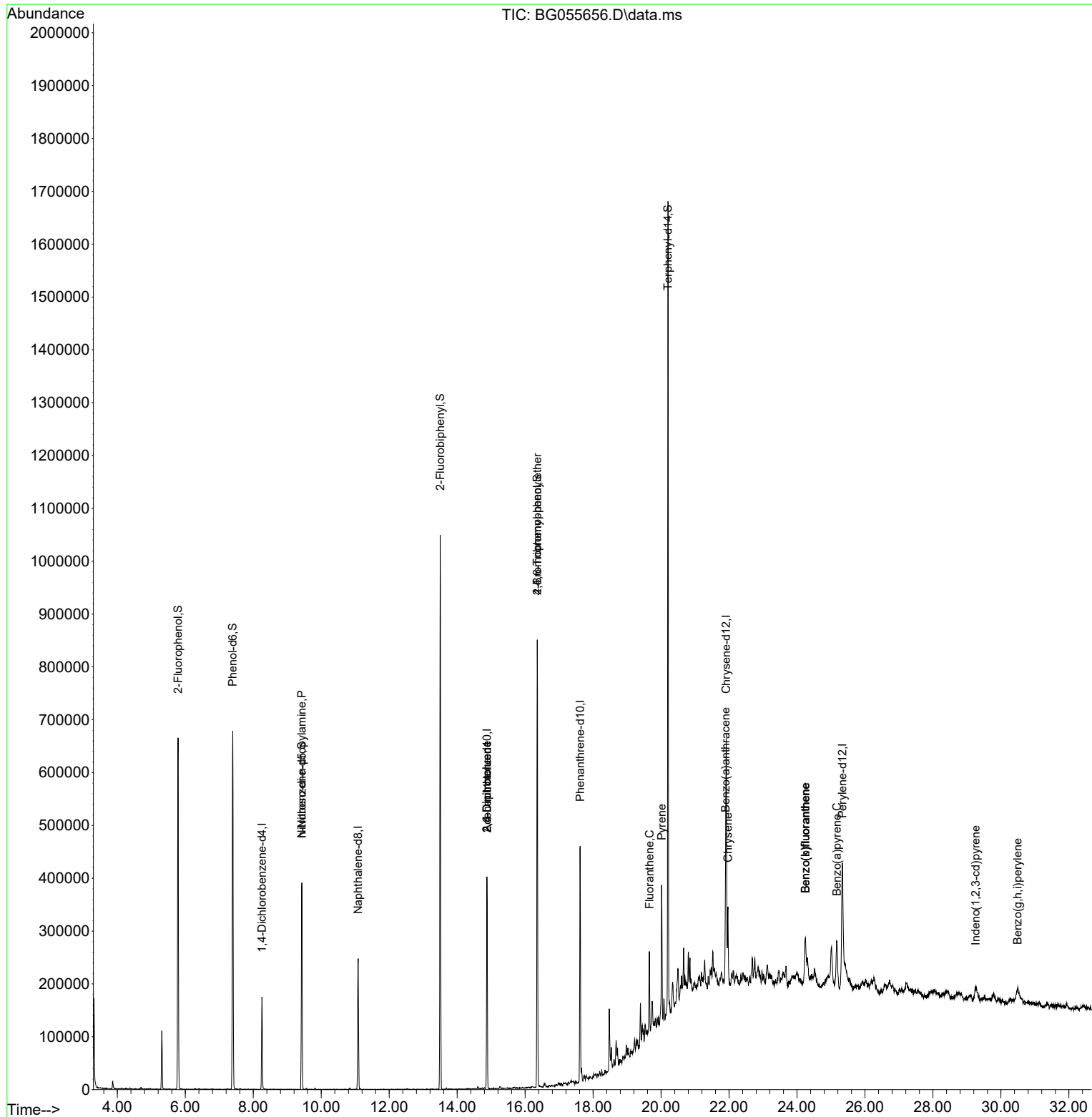
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.253	152	50935	20.000	ng	0.00
21) Naphthalene-d8	11.085	136	211901	20.000	ng	0.00
39) Acenaphthene-d10	14.874	164	140932	20.000	ng	0.00
64) Phenanthrene-d10	17.618	188	297962	20.000	ng	0.00
76) Chrysene-d12	21.913	240	279303	20.000	ng	0.00
86) Perylene-d12	25.333	264	301893	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.785	112	283464	100.592	ng	0.00
7) Phenol-d6	7.395	99	378587	100.926	ng	0.00
23) Nitrobenzene-d5	9.428	82	235674	58.785	ng	0.00
42) 2,4,6-Tribromophenol	16.355	330	176982	89.182	ng	0.00
45) 2-Fluorobiphenyl	13.500	172	550589	58.528	ng	0.00
79) Terphenyl-d14	20.204	244	774155	55.438	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.428	70	32085	11.132	ng	# 76
51) 2,6-Dinitrotoluene	14.874	165	18973	8.259	ng	# 27
57) 2,4-Dinitrotoluene	14.874	165	18973	5.858	ng	# 25
67) 4-Bromophenyl-phenylether	16.355	248	11517	3.392	ng	# 1
75) Fluoranthene	19.657	202	97040	4.961	ng	99
78) Pyrene	20.016	202	164516	8.702	ng	98
81) Benzo(a)anthracene	21.896	228	106660	5.544	ng	98
83) Chrysene	21.966	228	115003	6.280	ng	99
87) Indeno(1,2,3-cd)pyrene	29.258	276	66390	2.684	ng	# 82
88) Benzo(b)fluoranthene	24.246	252	143010	7.274	ng	# 93
89) Benzo(k)fluoranthene	24.246	252	143010	7.297	ng	# 93
90) Benzo(a)pyrene	25.174	252	124072	7.354	ng	# 98
92) Benzo(g,h,i)perylene	30.491	276	65881	3.234	ng	93

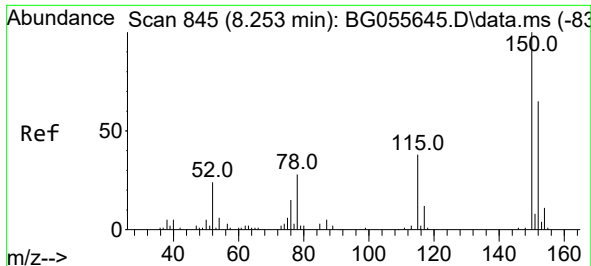
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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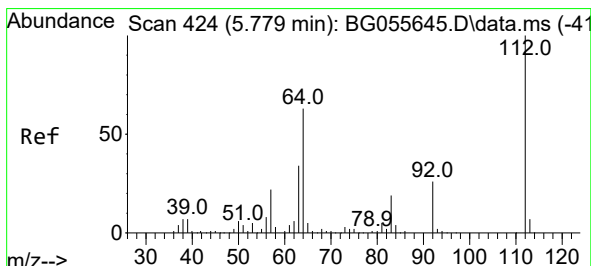
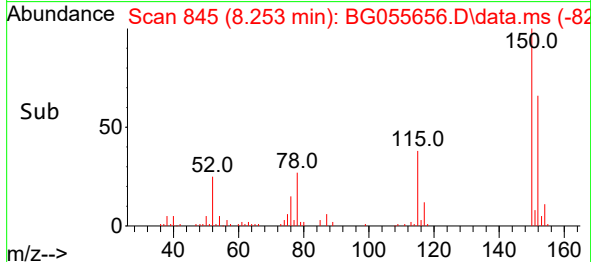
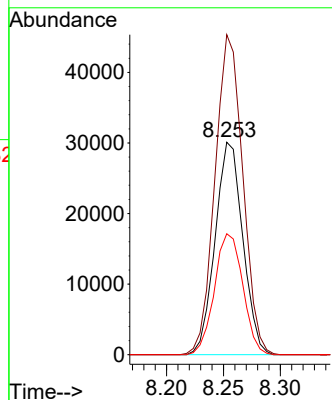
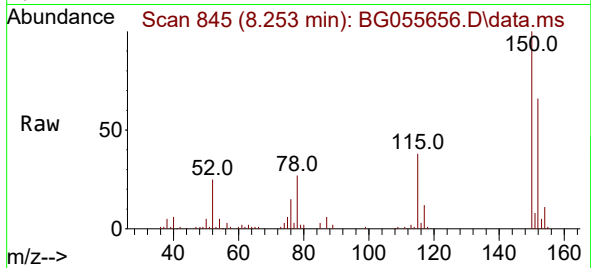




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.253 min Scan# 845
 Delta R.T. -0.000 min
 Lab File: BG055656.D
 Acq: 16 Nov 2022 21:04

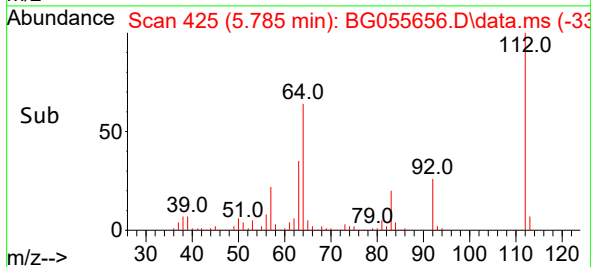
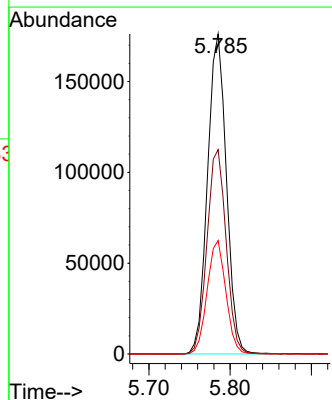
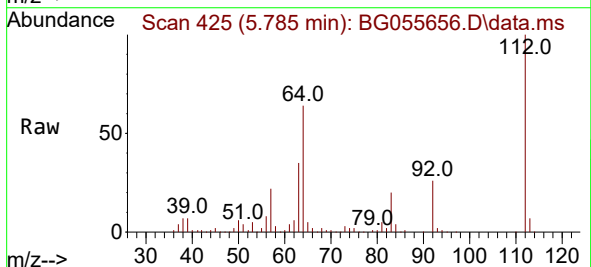
Instrument :
 BNA_G
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 SB-21RE

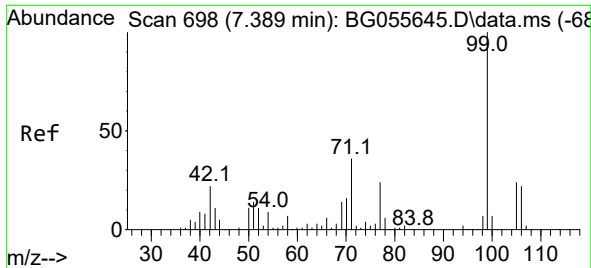
Tgt Ion:152 Resp: 50935
 Ion Ratio Lower Upper
 152 100
 150 150.5 123.0 184.6
 115 56.9 47.0 70.4



#5
 2-Fluorophenol
 Concen: 100.592 ng
 RT: 5.785 min Scan# 425
 Delta R.T. 0.006 min
 Lab File: BG055656.D
 Acq: 16 Nov 2022 21:04

Tgt Ion:112 Resp: 283464
 Ion Ratio Lower Upper
 112 100
 64 63.9 50.6 76.0
 63 35.5 27.5 41.3

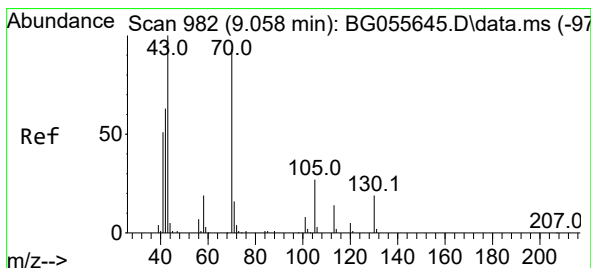
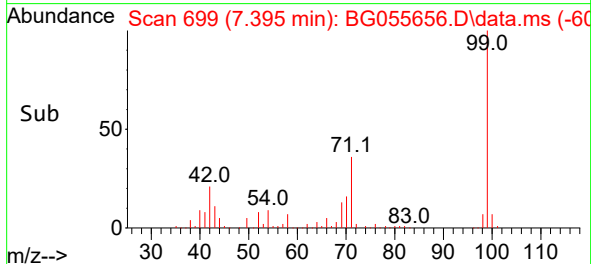
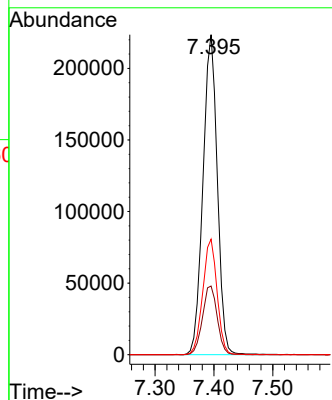
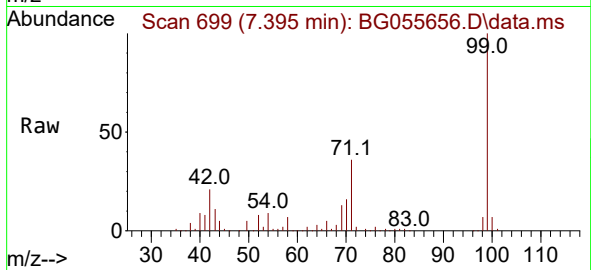




#7
Phenol-d6
Concen: 100.926 ng
RT: 7.395 min Scan# 61
Delta R.T. 0.006 min
Lab File: BG055656.D
Acq: 16 Nov 2022 21:04

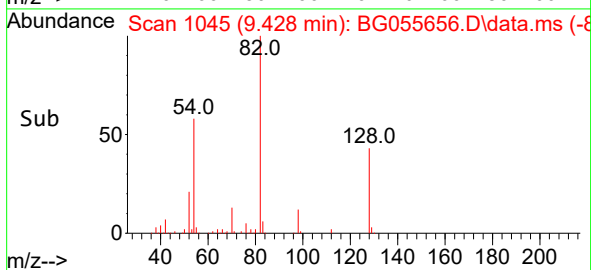
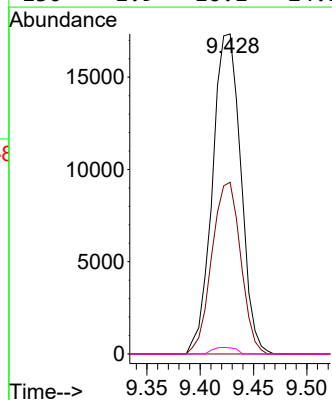
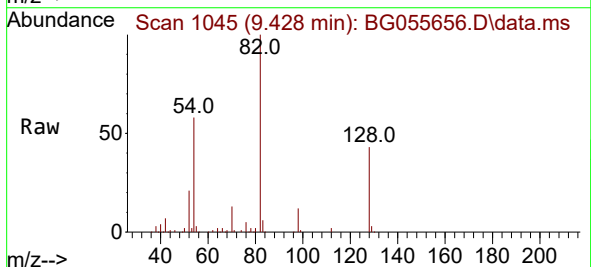
Instrument :
BNA_G
ClientSampleId :
SB-21RE

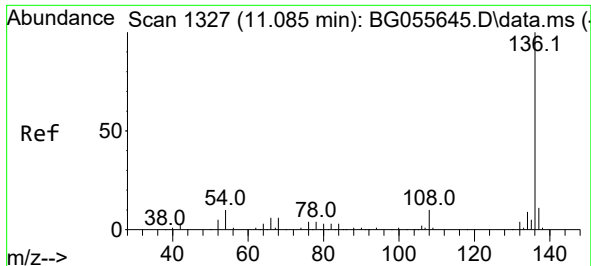
Tgt Ion: 99 Resp: 378587
Ion Ratio Lower Upper
99 100
42 21.5 18.0 27.0
71 36.1 29.0 43.6



#19
n-Nitroso-di-n-propylamine
Concen: 11.132 ng
RT: 9.428 min Scan# 1045
Delta R.T. 0.370 min
Lab File: BG055656.D
Acq: 16 Nov 2022 21:04

Tgt Ion: 70 Resp: 32085
Ion Ratio Lower Upper
70 100
42 53.6 55.2 82.8#
101 0.0 7.1 10.7#
130 1.9 16.1 24.1#

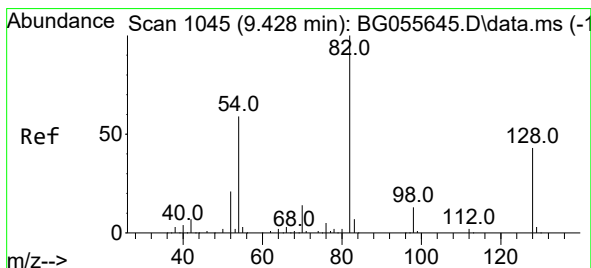
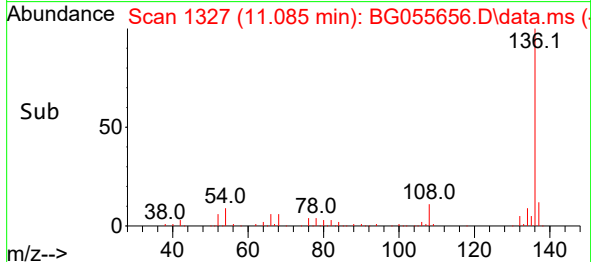
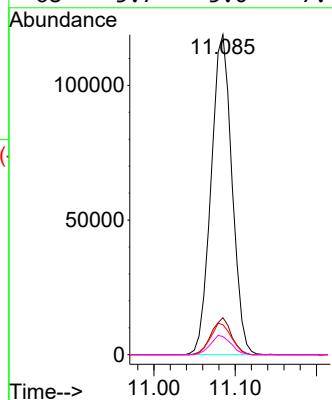
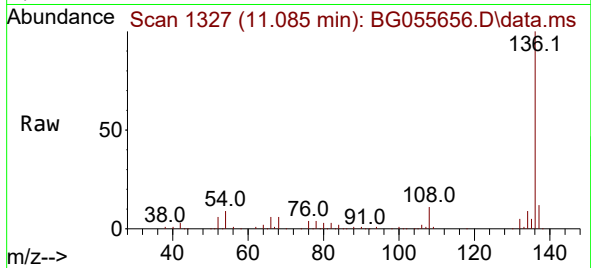




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.085 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG055656.D
Acq: 16 Nov 2022 21:04

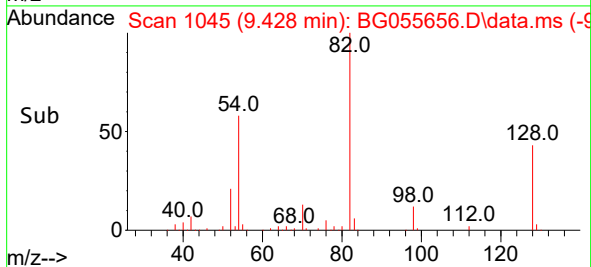
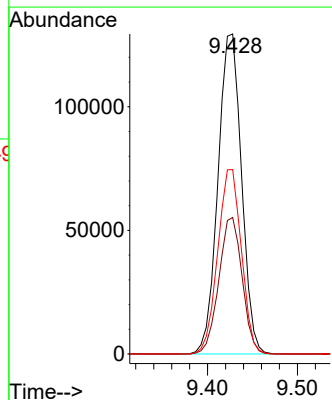
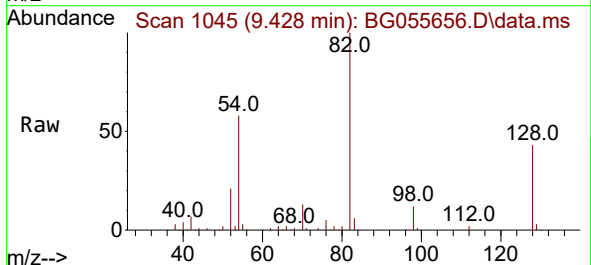
Instrument :
BNA_G
ClientSampleId :
SB-21RE

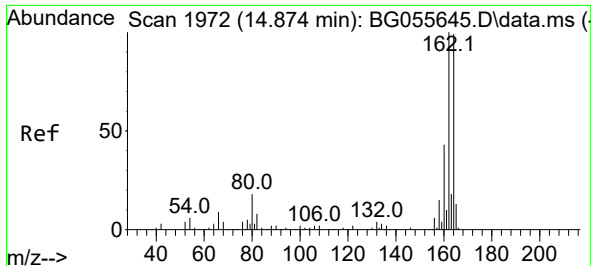
Tgt Ion:	136	Resp:	211901
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.0	13.6
54	9.4	7.8	11.6
68	5.7	5.0	7.4



#23
Nitrobenzene-d5
Concen: 58.785 ng
RT: 9.428 min Scan# 1045
Delta R.T. 0.000 min
Lab File: BG055656.D
Acq: 16 Nov 2022 21:04

Tgt Ion:	82	Resp:	235674
Ion Ratio	Lower	Upper	
82	100		
128	42.7	34.1	51.1
54	57.6	47.3	70.9

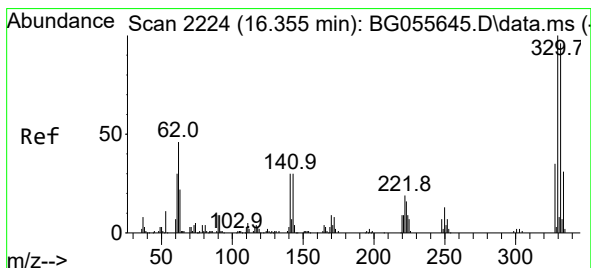
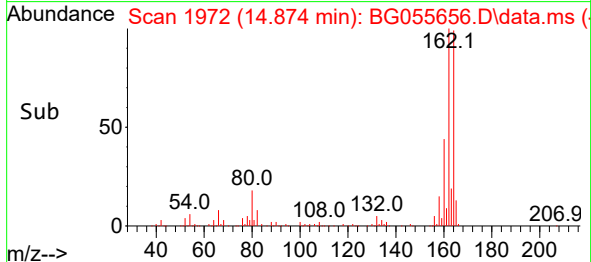
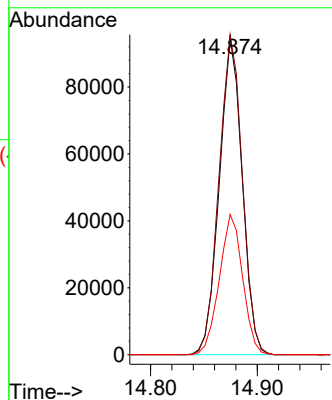
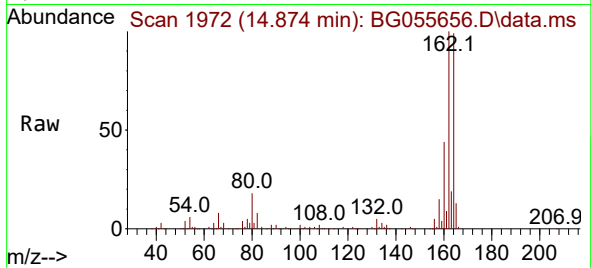




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.874 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BG055656.D
Acq: 16 Nov 2022 21:04

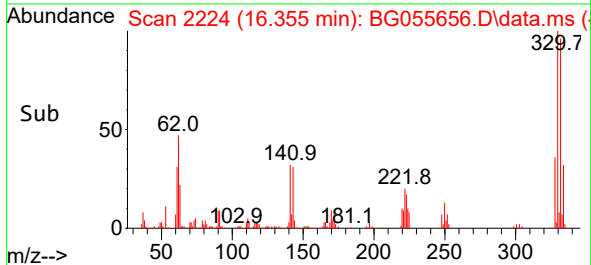
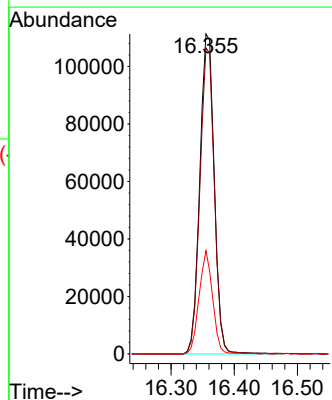
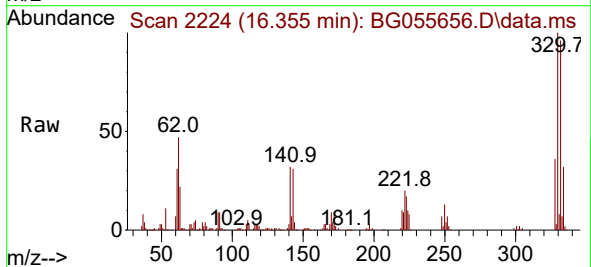
Instrument :
BNA_G
ClientSampleId :
SB-21RE

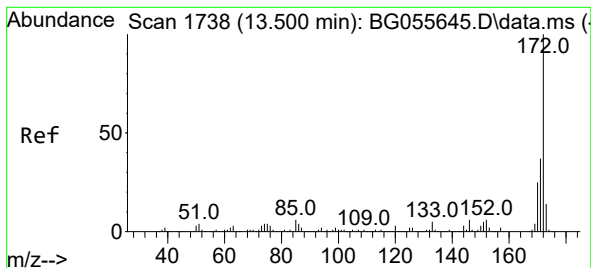
Tgt Ion:164 Resp: 140932
Ion Ratio Lower Upper
164 100
162 100.9 81.1 121.7
160 44.2 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 89.182 ng
RT: 16.355 min Scan# 2224
Delta R.T. 0.000 min
Lab File: BG055656.D
Acq: 16 Nov 2022 21:04

Tgt Ion:330 Resp: 176982
Ion Ratio Lower Upper
330 100
332 94.7 77.8 116.8
141 30.2 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 58.528 ng

RT: 13.500 min Scan# 1

Delta R.T. 0.000 min

Lab File: BG055656.D

Acq: 16 Nov 2022 21:04

Instrument :

BNA_G

ClientSampleId :

SB-21RE

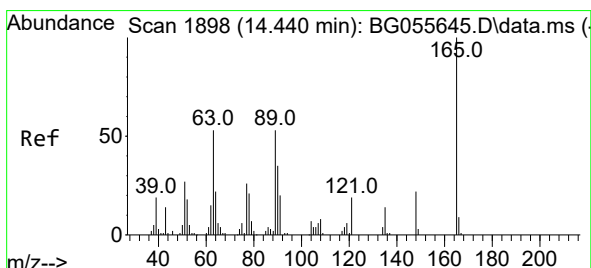
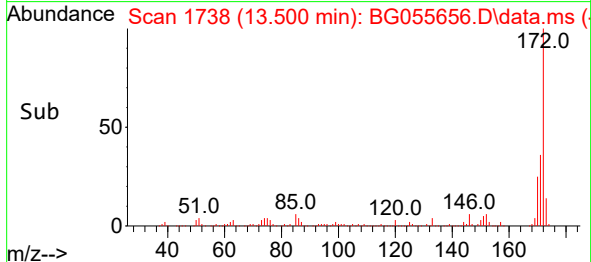
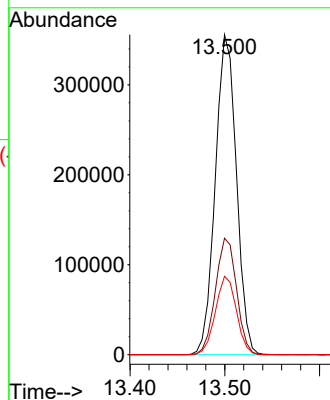
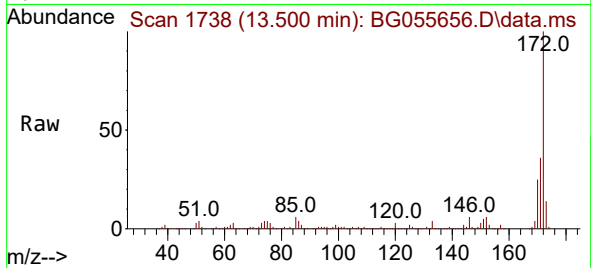
Tgt Ion:172 Resp: 550589

Ion Ratio Lower Upper

172 100

171 36.4 29.8 44.6

170 24.5 20.2 30.4



#51

2,6-Dinitrotoluene

Concen: 8.259 ng

RT: 14.874 min Scan# 1972

Delta R.T. 0.435 min

Lab File: BG055656.D

Acq: 16 Nov 2022 21:04

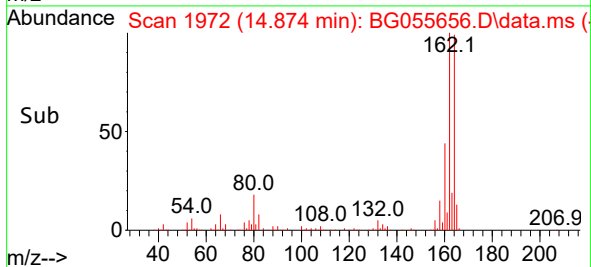
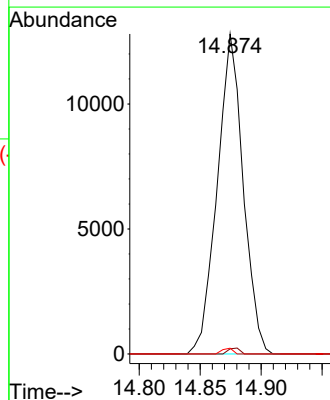
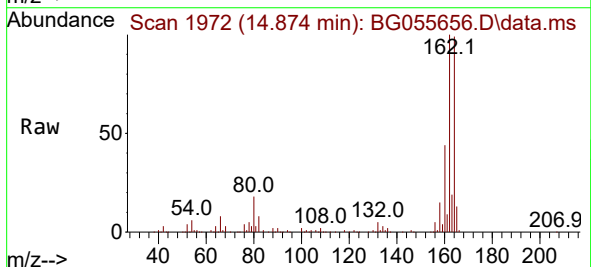
Tgt Ion:165 Resp: 18973

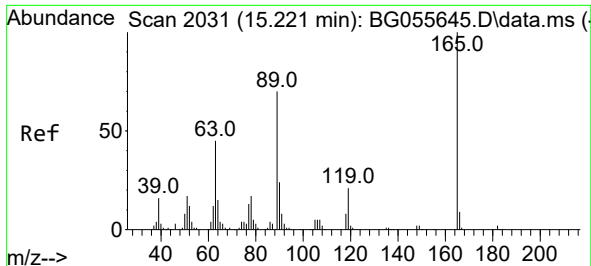
Ion Ratio Lower Upper

165 100

63 1.6 44.6 66.8#

89 1.8 42.2 63.4#





#57

2,4-Dinitrotoluene

Concen: 5.858 ng

RT: 14.874 min Scan# 1972

Delta R.T. -0.347 min

Lab File: BG055656.D

Acq: 16 Nov 2022 21:04

Instrument :

BNA_G

ClientSampleId :

SB-21RE

Tgt Ion:165 Resp: 18973

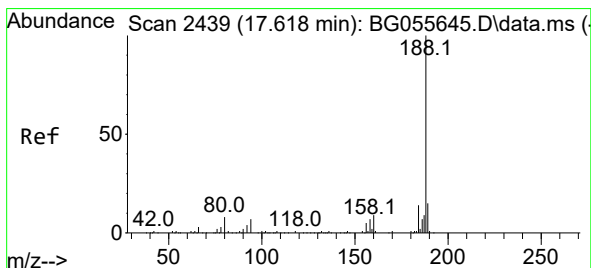
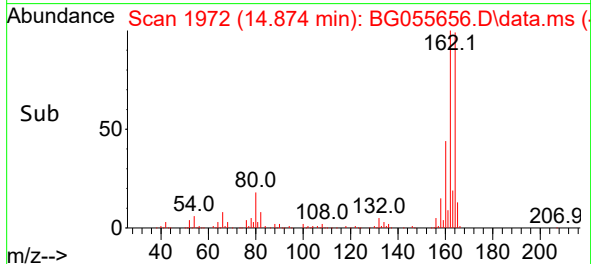
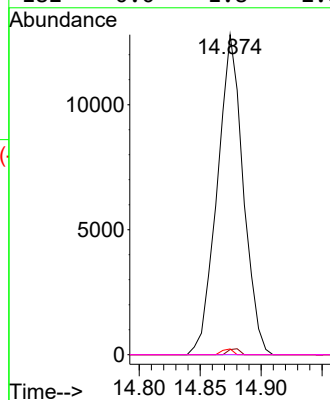
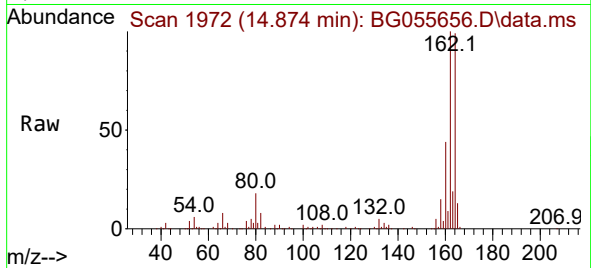
Ion Ratio Lower Upper

165 100

63 1.6 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: 17.618 min Scan# 2439

Delta R.T. 0.000 min

Lab File: BG055656.D

Acq: 16 Nov 2022 21:04

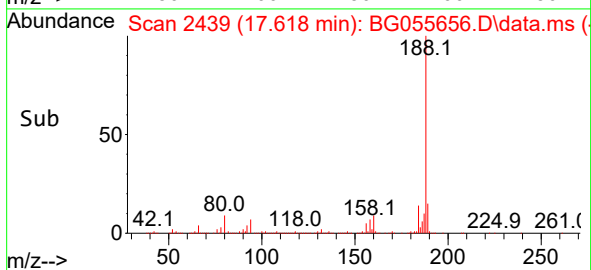
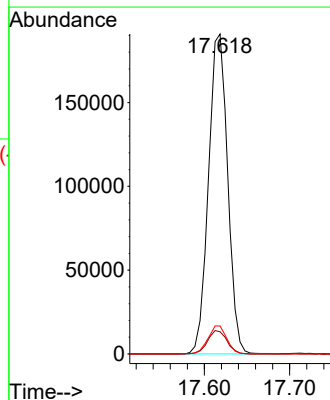
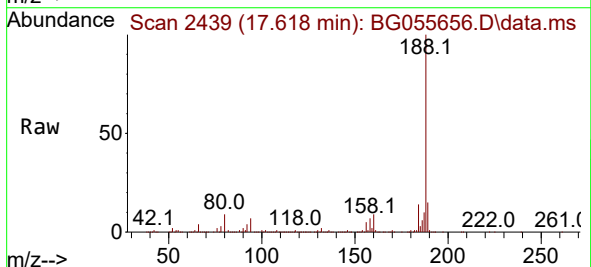
Tgt Ion:188 Resp: 297962

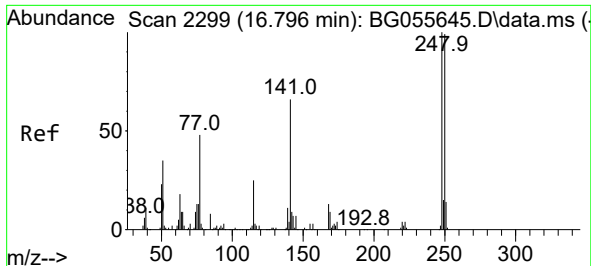
Ion Ratio Lower Upper

188 100

94 7.0 5.4 8.2

80 8.7 6.6 10.0

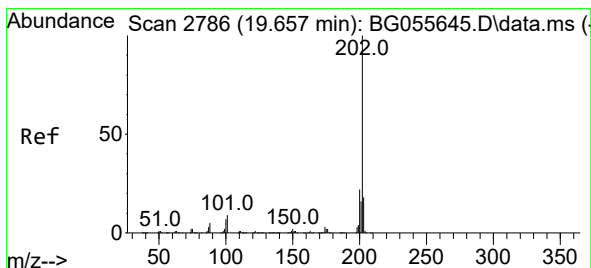
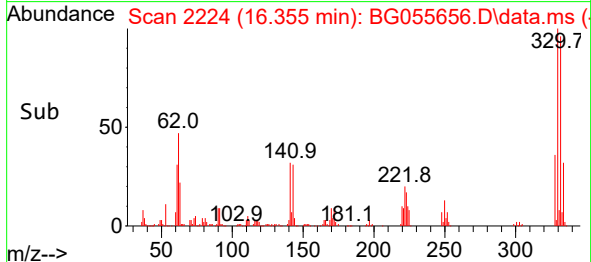
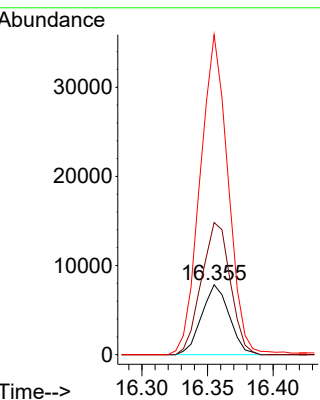
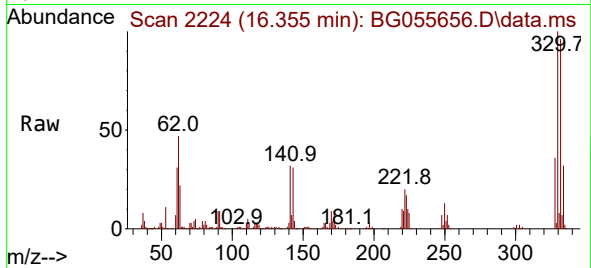




#67
4-Bromophenyl-phenylether
Concen: 3.392 ng
RT: 16.355 min Scan# 211
Delta R.T. -0.441 min
Lab File: BG055656.D
Acq: 16 Nov 2022 21:04

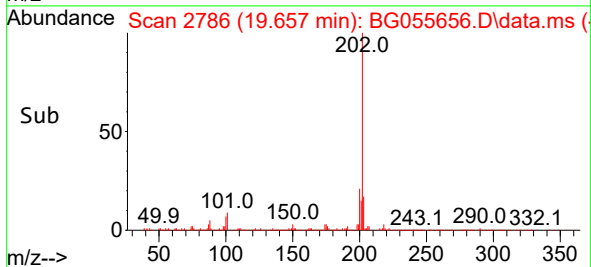
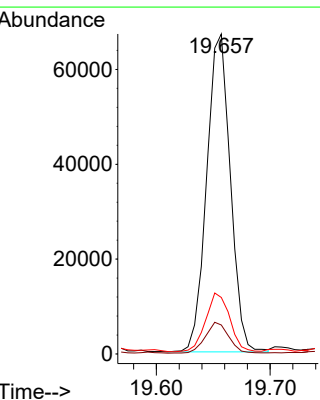
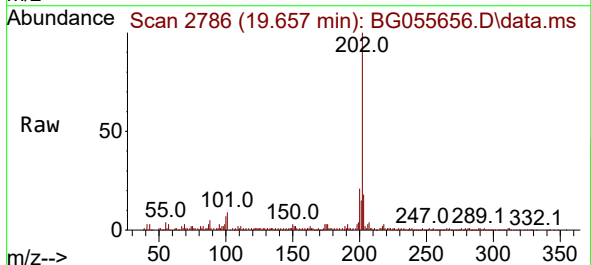
Instrument :
BNA_G
ClientSampleId :
SB-21RE

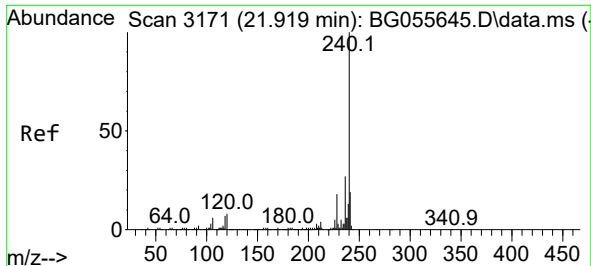
Tgt Ion:248 Resp: 11517
Ion Ratio Lower Upper
248 100
250 188.8 79.0 118.4#
141 457.2 52.9 79.3#



#75
Fluoranthene
Concen: 4.961 ng
RT: 19.657 min Scan# 2786
Delta R.T. 0.000 min
Lab File: BG055656.D
Acq: 16 Nov 2022 21:04

Tgt Ion:202 Resp: 97040
Ion Ratio Lower Upper
202 100
101 9.1 0.0 28.8
203 17.6 0.0 38.1

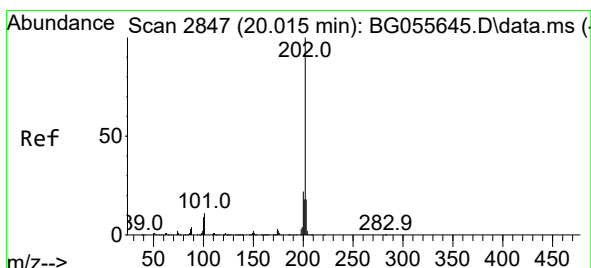
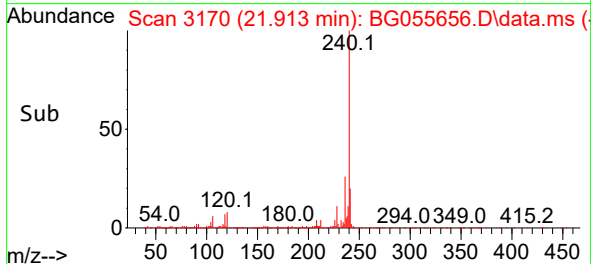
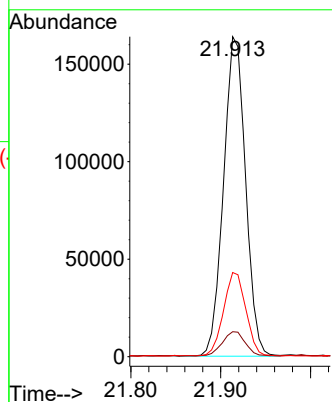
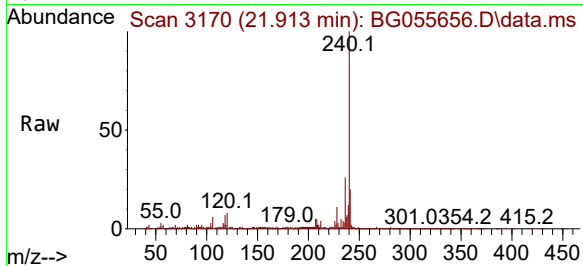




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.913 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG055656.D
Acq: 16 Nov 2022 21:04

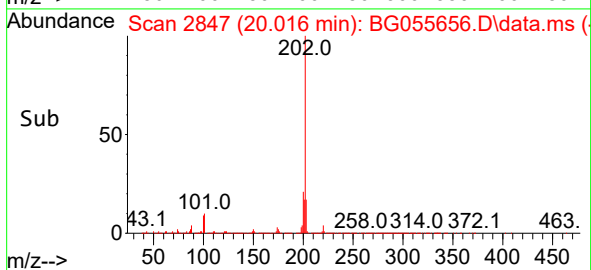
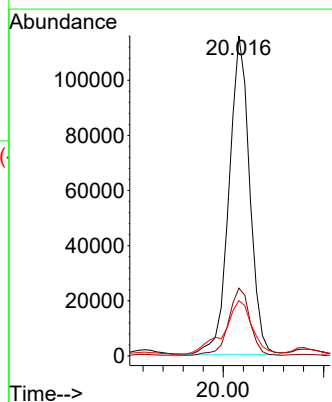
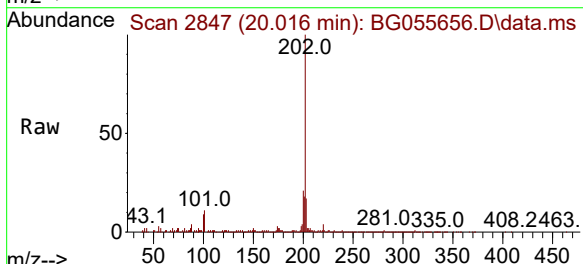
Instrument :
BNA_G
ClientSampleId :
SB-21RE

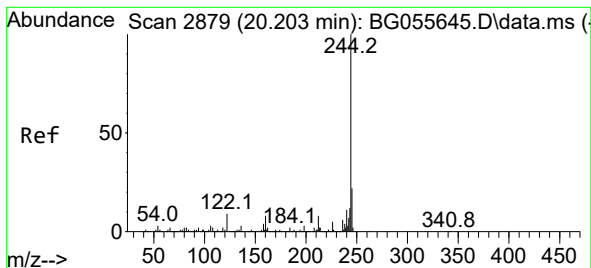
Tgt Ion:240 Resp: 279303
Ion Ratio Lower Upper
240 100
120 7.8 6.3 9.5
236 26.3 21.9 32.9



#78
Pyrene
Concen: 8.702 ng
RT: 20.016 min Scan# 2847
Delta R.T. 0.000 min
Lab File: BG055656.D
Acq: 16 Nov 2022 21:04

Tgt Ion:202 Resp: 164516
Ion Ratio Lower Upper
202 100
200 21.2 17.8 26.6
203 17.3 14.4 21.6





#79

Terphenyl-d14

Concen: 55.438 ng

RT: 20.204 min Scan# 21

Delta R.T. 0.000 min

Lab File: BG055656.D

Acq: 16 Nov 2022 21:04

Instrument :

BNA_G

ClientSampleId :

SB-21RE

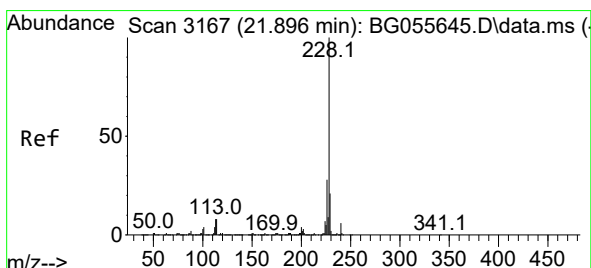
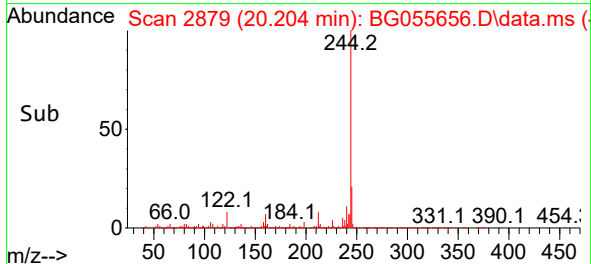
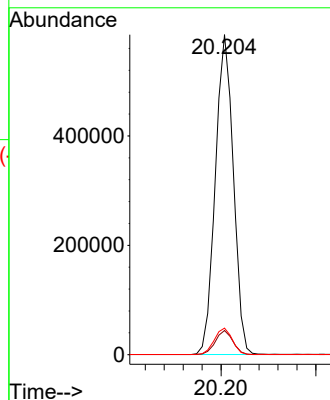
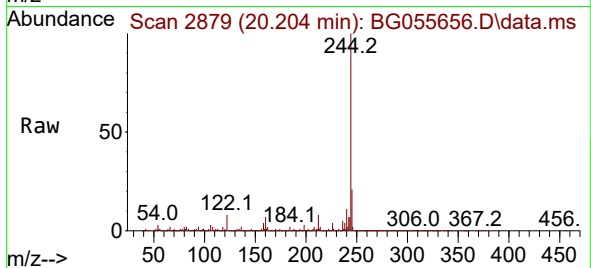
Tgt Ion:244 Resp: 774155

Ion Ratio Lower Upper

244 100

212 7.6 6.3 9.5

122 8.3 6.9 10.3



#81

Benzo(a)anthracene

Concen: 5.544 ng

RT: 21.896 min Scan# 3167

Delta R.T. 0.000 min

Lab File: BG055656.D

Acq: 16 Nov 2022 21:04

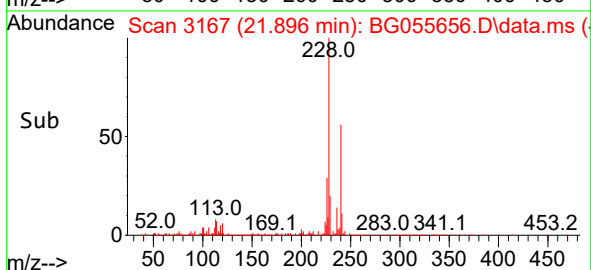
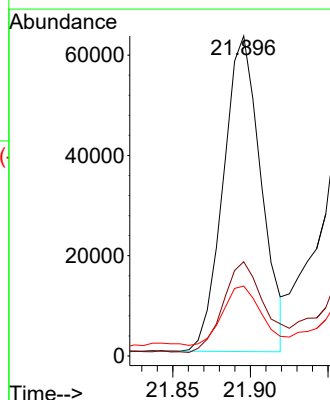
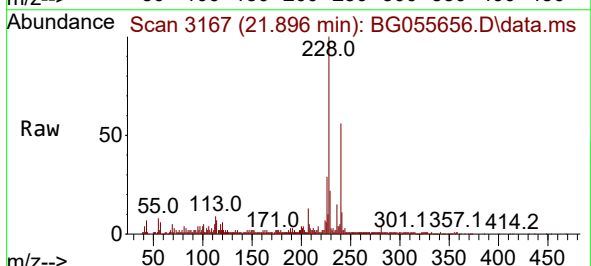
Tgt Ion:228 Resp: 106660

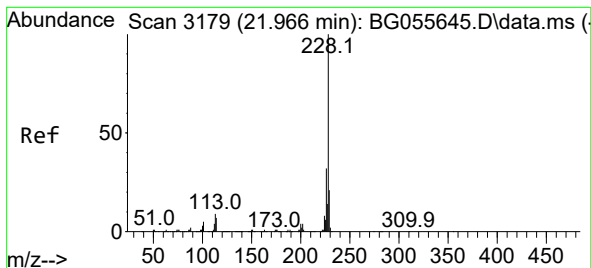
Ion Ratio Lower Upper

228 100

226 29.5 22.7 34.1

229 21.9 16.5 24.7





#83

Chrysene

Concen: 6.280 ng

RT: 21.966 min Scan# 3179

Delta R.T. 0.000 min

Lab File: BG055656.D

Acq: 16 Nov 2022 21:04

Instrument :

BNA_G

ClientSampleId :

SB-21RE

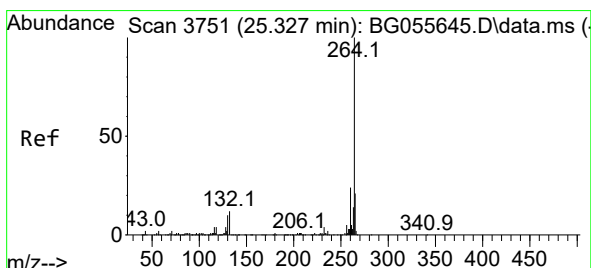
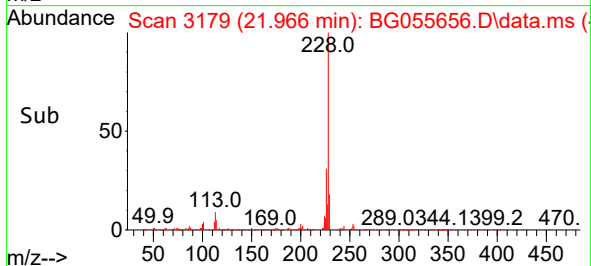
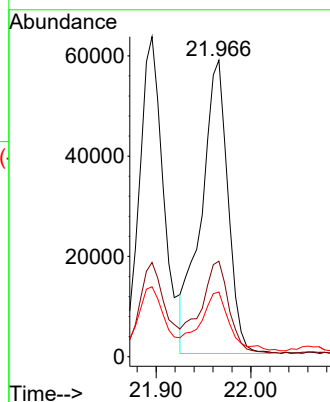
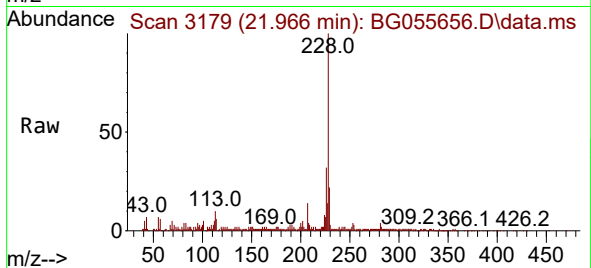
Tgt Ion:228 Resp: 115003

Ion Ratio Lower Upper

228 100

226 32.2 25.4 38.2

229 21.8 17.1 25.7



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.333 min Scan# 3752

Delta R.T. 0.006 min

Lab File: BG055656.D

Acq: 16 Nov 2022 21:04

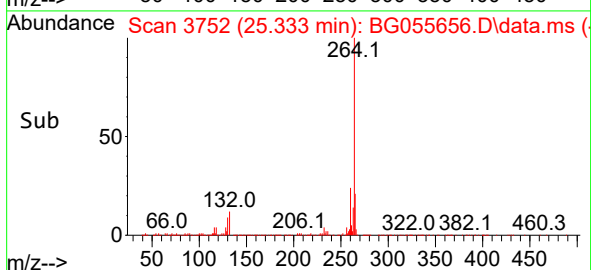
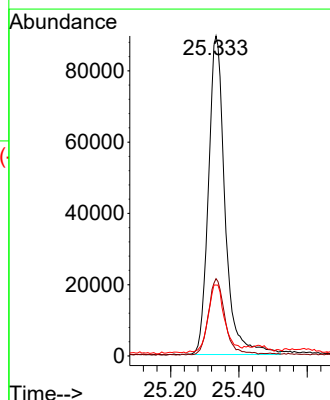
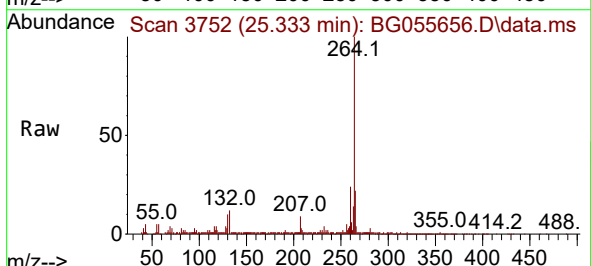
Tgt Ion:264 Resp: 301893

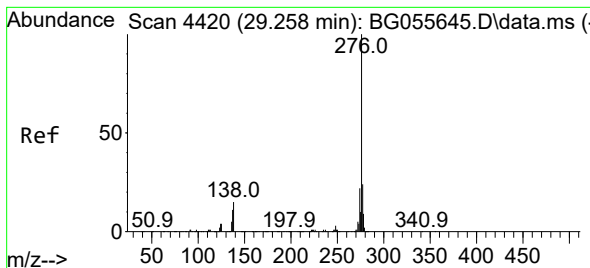
Ion Ratio Lower Upper

264 100

260 24.2 19.5 29.3

265 22.2 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.684 ng

RT: 29.258 min Scan# 4420

Delta R.T. 0.000 min

Lab File: BG055656.D

Acq: 16 Nov 2022 21:04

Instrument :

BNA_G

ClientSampleId :

SB-21RE

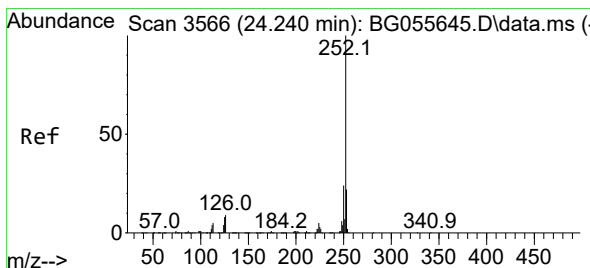
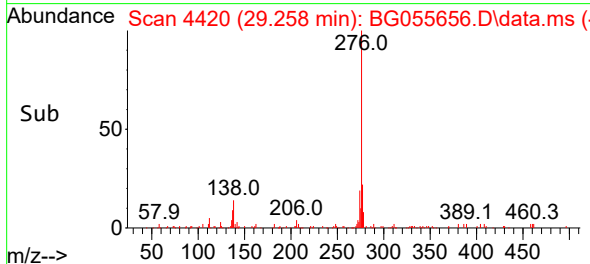
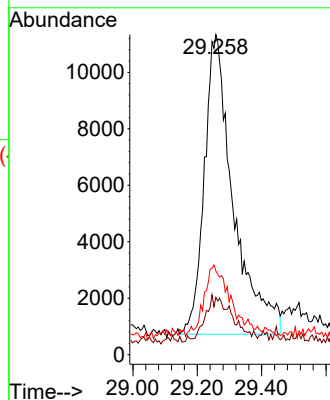
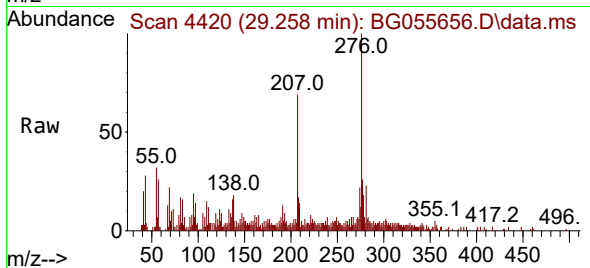
Tgt Ion:276 Resp: 66390

Ion Ratio Lower Upper

276 100

138 4.3 10.4 15.6#

277 17.5 20.2 30.4#



#88

Benzo(b)fluoranthene

Concen: 7.274 ng

RT: 24.246 min Scan# 3567

Delta R.T. 0.006 min

Lab File: BG055656.D

Acq: 16 Nov 2022 21:04

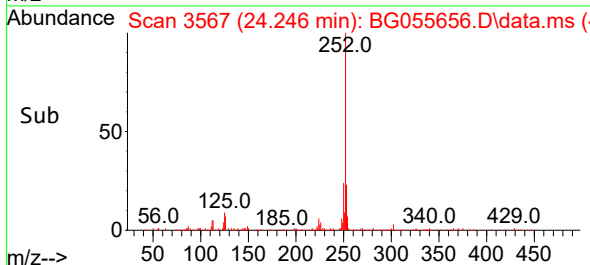
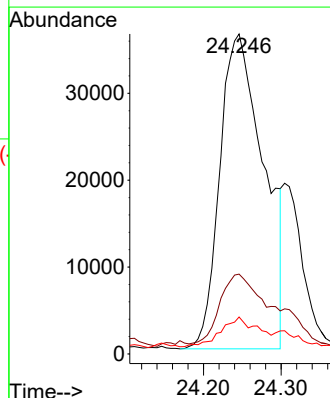
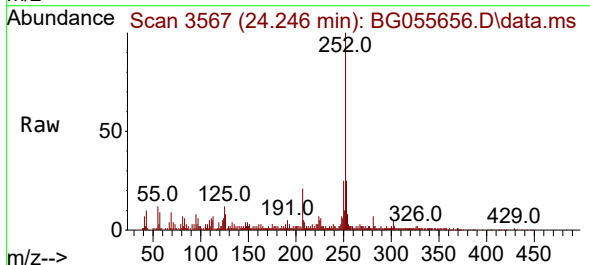
Tgt Ion:252 Resp: 143010

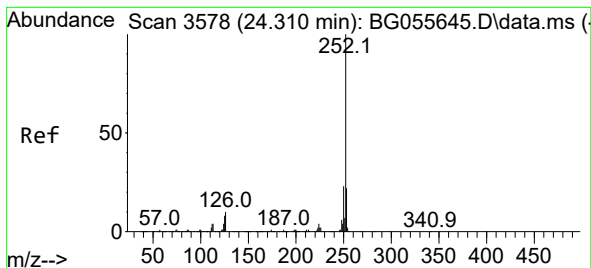
Ion Ratio Lower Upper

252 100

253 24.9 18.0 27.0

125 11.6 6.2 9.2#





#89

Benzo(k)fluoranthene

Concen: 7.297 ng

RT: 24.246 min Scan# 3

Delta R.T. -0.065 min

Lab File: BG055656.D

Acq: 16 Nov 2022 21:04

Instrument :

BNA_G

ClientSampleId :

SB-21RE

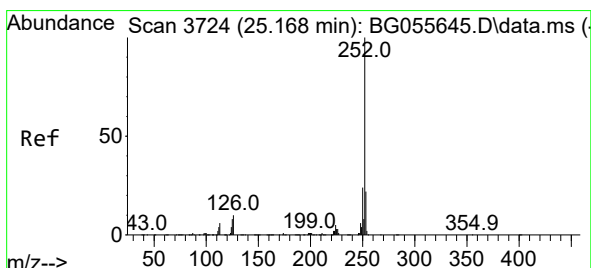
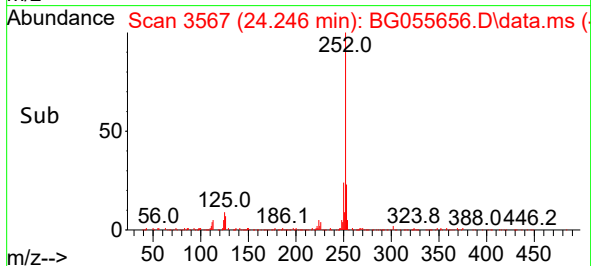
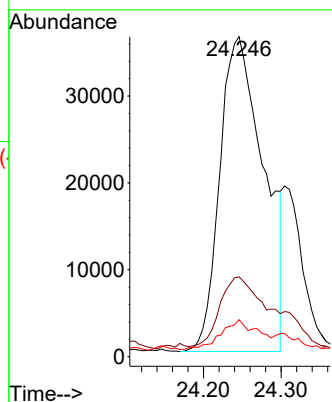
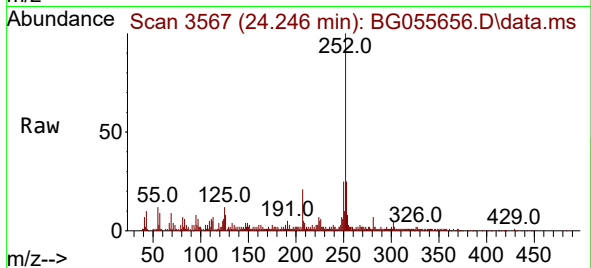
Tgt Ion:252 Resp: 143010

Ion Ratio Lower Upper

252 100

253 24.9 17.8 26.6

125 11.6 6.1 9.1#



#90

Benzo(a)pyrene

Concen: 7.354 ng

RT: 25.174 min Scan# 3725

Delta R.T. 0.006 min

Lab File: BG055656.D

Acq: 16 Nov 2022 21:04

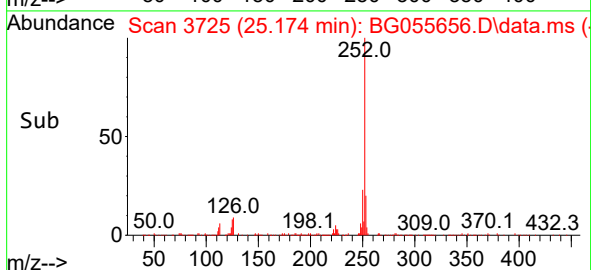
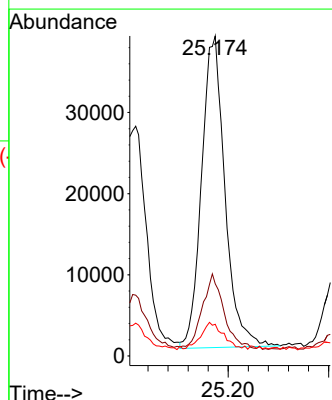
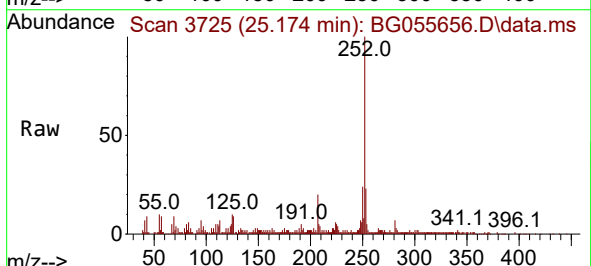
Tgt Ion:252 Resp: 124072

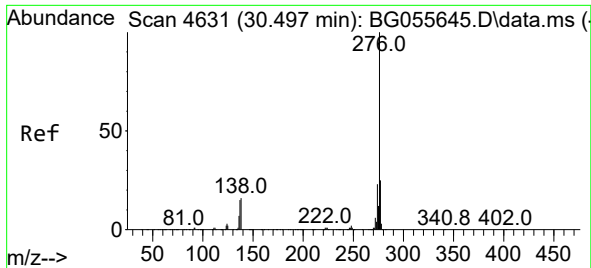
Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

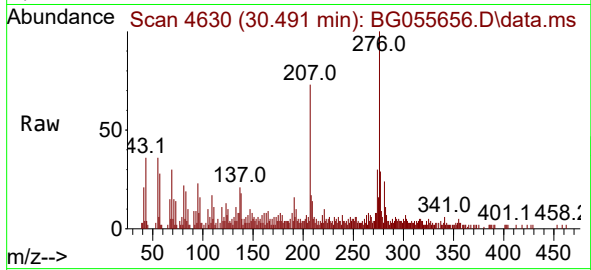
125 9.9 6.4 9.6#





#92
 Benzo(g,h,i)perylene
 Concen: 3.234 ng
 RT: 30.491 min Scan# 4
 Delta R.T. -0.006 min
 Lab File: BG055656.D
 Acq: 16 Nov 2022 21:04

Instrument :
 BNA_G
 ClientSampleId :
 SB-21RE



Tgt Ion:	276	Resp:	65881
Ion	Ratio	Lower	Upper
276	100		
277	29.4	19.8	29.6
138	18.0	13.1	19.7

