

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111122\
 Data File : BG055575.D
 Acq On : 11 Nov 2022 20:52
 Operator : CG/JU
 Sample : N5531-10
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-30

Quant Time: Nov 12 00:54:40 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 10 03:39:46 2022
 Response via : Initial Calibration

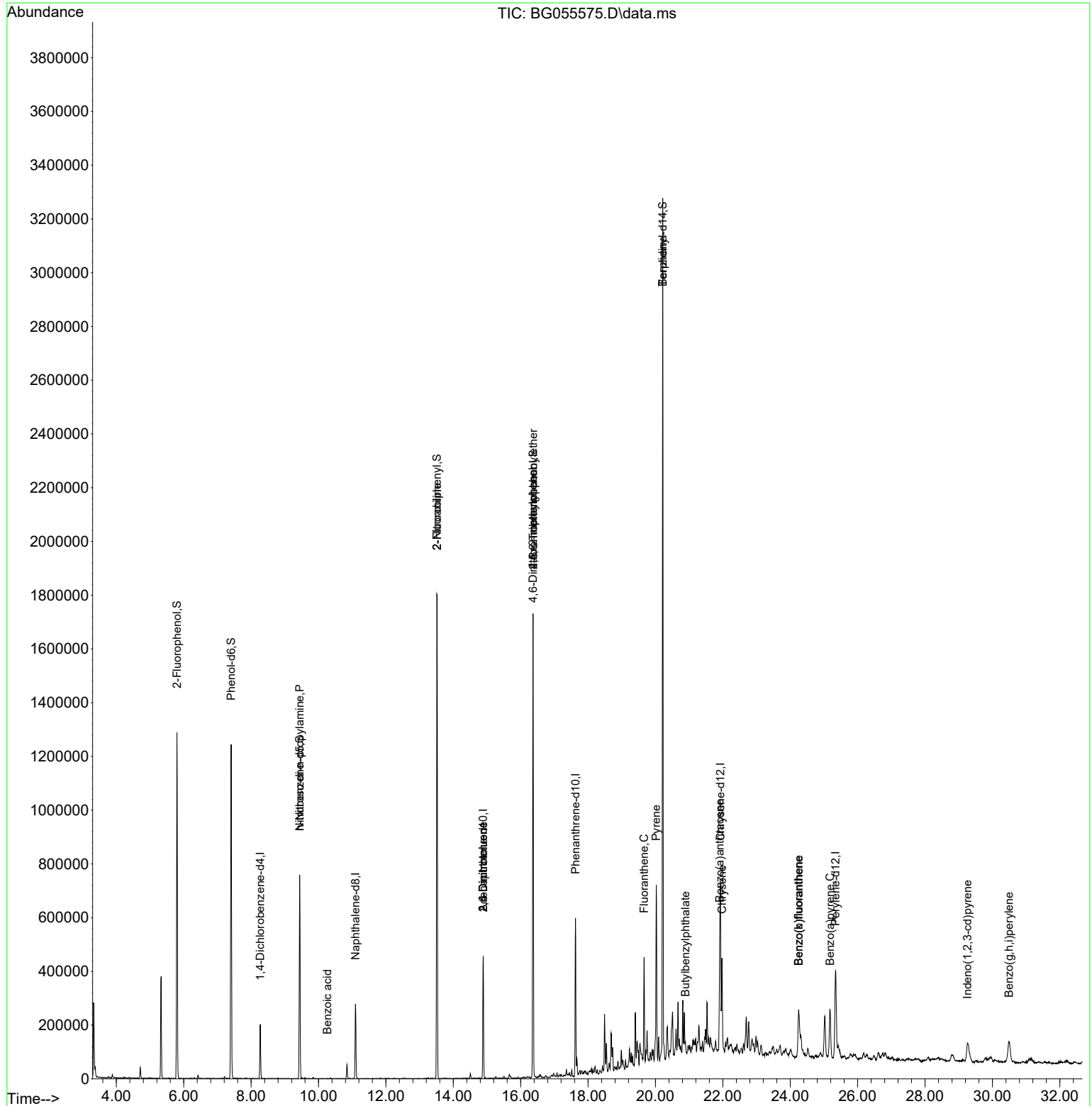
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.272	152	57241	20.000	ng	0.00
21) Naphthalene-d8	11.098	136	231746	20.000	ng	0.00
39) Acenaphthene-d10	14.888	164	161923	20.000	ng	0.00
64) Phenanthrene-d10	17.626	188	371238	20.000	ng	0.00
76) Chrysene-d12	21.927	240	350562	20.000	ng	0.00
86) Perylene-d12	25.346	264	371382	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.799	112	533778	177.618	ng	0.00
7) Phenol-d6	7.408	99	684074	164.790	ng	0.00
23) Nitrobenzene-d5	9.441	82	433341	126.764	ng	0.00
42) 2,4,6-Tribromophenol	16.368	330	334631	211.807	ng	0.00
45) 2-Fluorobiphenyl	13.513	172	968539	90.224	ng	0.00
79) Terphenyl-d14	20.217	244	1516898	86.911	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.441	70	58064	16.925	ng	# 80
32) Benzoic acid	10.264	122	68	4.347	ng	# 72
48) 2-Nitroaniline	13.513	65	1854	4.512	ng	# 1
51) 2,6-Dinitrotoluene	14.888	165	21239	12.327	ng	# 22
57) 2,4-Dinitrotoluene	14.888	165	21239	10.496	ng	# 23
65) 4,6-Dinitro-2-methylph...	16.363	198	982	2.993	ng	# 1
67) 4-Bromophenyl-phenylether	16.368	248	22124	5.842	ng	# 1
75) Fluoranthene	19.665	202	223441	9.391	ng	99
77) Benzidine	20.217	184	25900	2.731	ng	# 92
78) Pyrene	20.023	202	408581	17.221	ng	99
80) Butylbenzylphthalate	20.887	149	726	3.439	ng	# 48
81) Benzo(a)anthracene	21.903	228	221899	9.241	ng	97
83) Chrysene	21.974	228	266757	11.683	ng	99
87) Indeno(1,2,3-cd)pyrene	29.259	276	130049	4.598	ng	# 94
88) Benzo(b)fluoranthene	24.247	252	241504	10.263	ng	100
89) Benzo(k)fluoranthene	24.247	252	241504	10.039	ng	99
90) Benzo(a)pyrene	25.182	252	220997	10.903	ng	99
92) Benzo(g,h,i)perylene	30.493	276	162218	7.087	ng	95

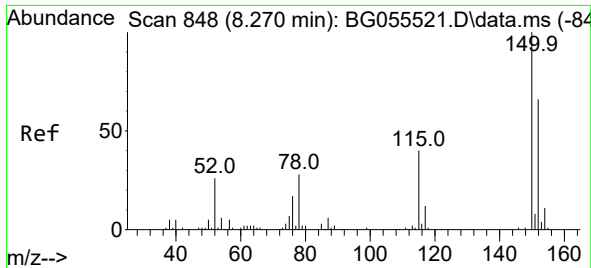
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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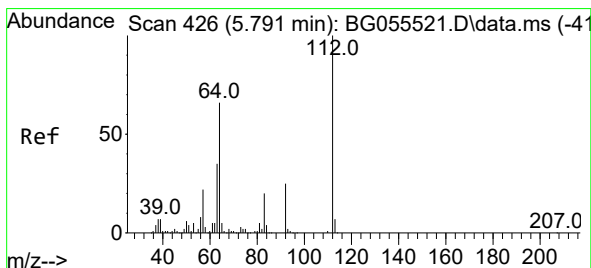
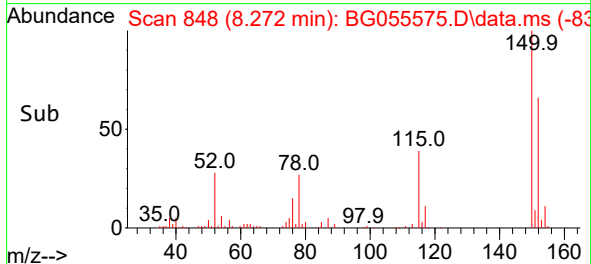
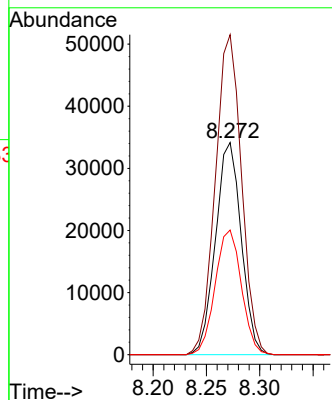
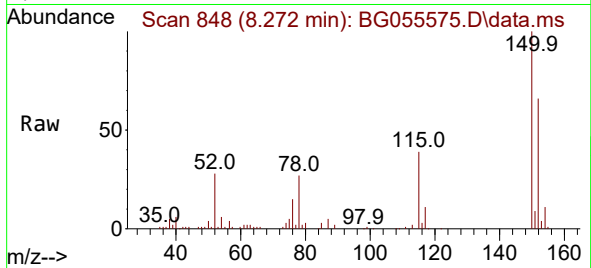




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.272 min Scan# 84
Delta R.T. 0.002 min
Lab File: BG055575.D
Acq: 11 Nov 2022 20:52

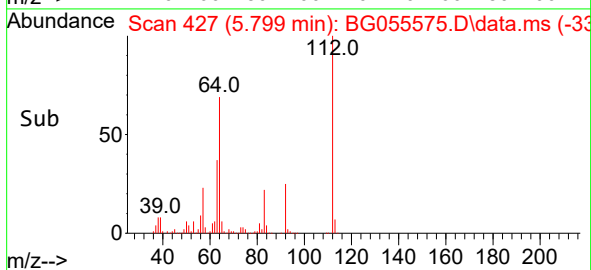
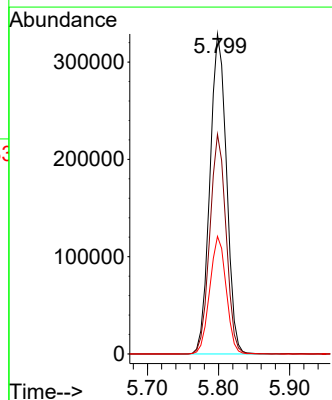
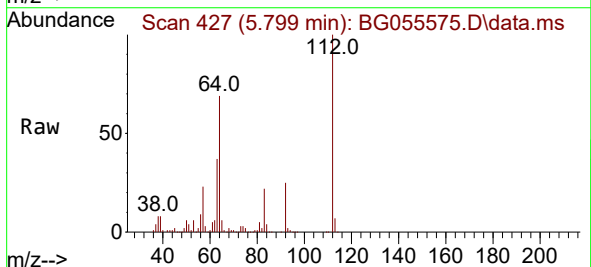
Instrument :
BNA_G
ClientSampleId :
SB-30

Tgt Ion:152 Resp: 57241
Ion Ratio Lower Upper
152 100
150 150.9 121.0 181.4
115 58.8 47.8 71.8



#5
2-Fluorophenol
Concen: 177.618 ng
RT: 5.799 min Scan# 427
Delta R.T. 0.008 min
Lab File: BG055575.D
Acq: 11 Nov 2022 20:52

Tgt Ion:112 Resp: 533778
Ion Ratio Lower Upper
112 100
64 68.7 52.6 78.8
63 36.8 28.3 42.5

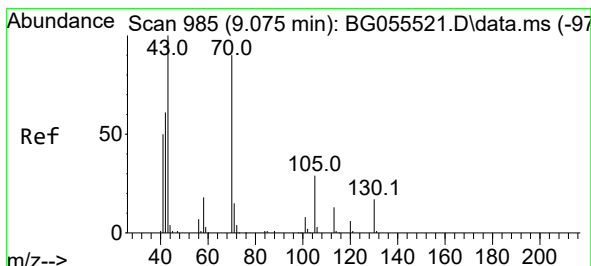
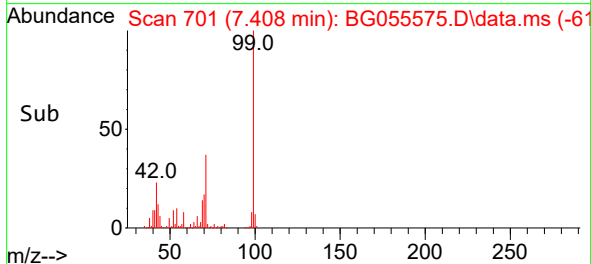
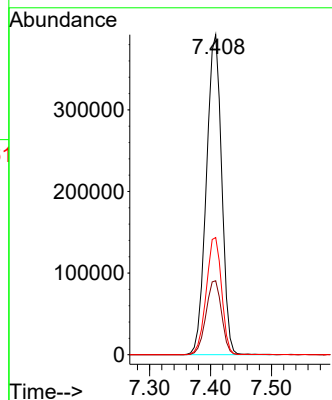
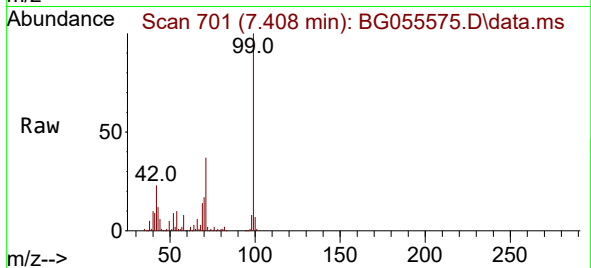




#7
Phenol-d6
Concen: 164.790 ng
RT: 7.408 min Scan# 700
Delta R.T. 0.007 min
Lab File: BG055575.D
Acq: 11 Nov 2022 20:52

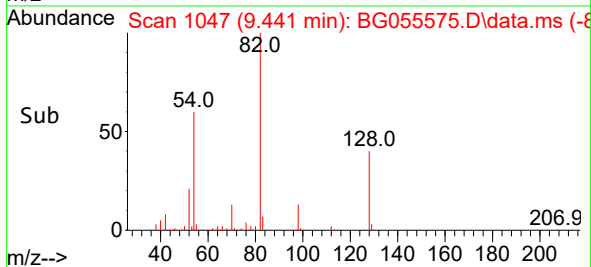
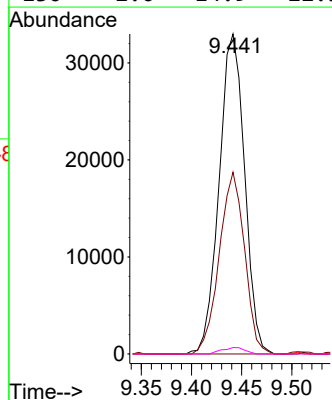
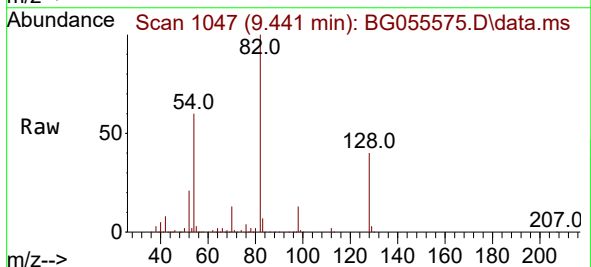
Instrument :
BNA_G
ClientSampleId :
SB-30

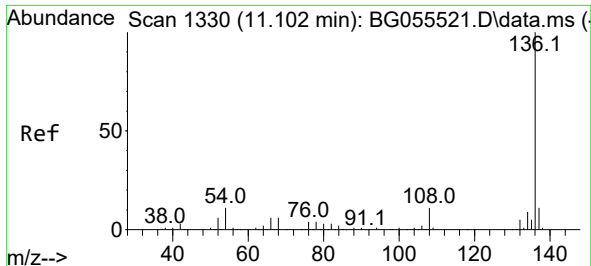
Tgt Ion: 99 Resp: 684074
Ion Ratio Lower Upper
99 100
42 23.1 17.5 26.3
71 36.6 28.3 42.5



#19
n-Nitroso-di-n-propylamine
Concen: 16.925 ng
RT: 9.441 min Scan# 1047
Delta R.T. 0.366 min
Lab File: BG055575.D
Acq: 11 Nov 2022 20:52

Tgt Ion: 70 Resp: 58064
Ion Ratio Lower Upper
70 100
42 56.8 54.8 82.2
101 0.0 6.8 10.2#
130 2.0 14.9 22.3#

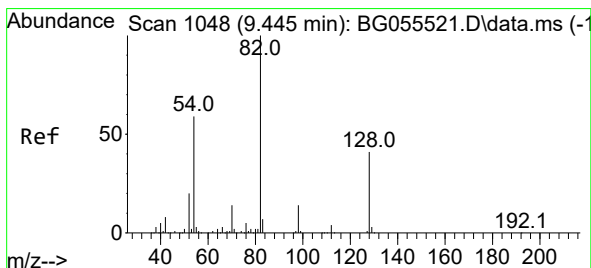
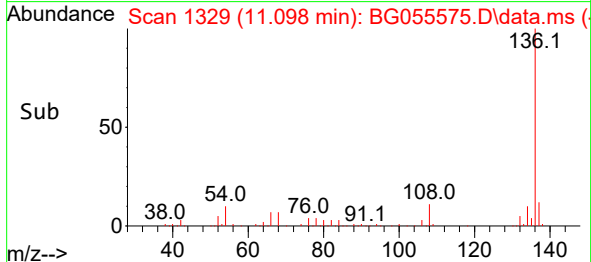
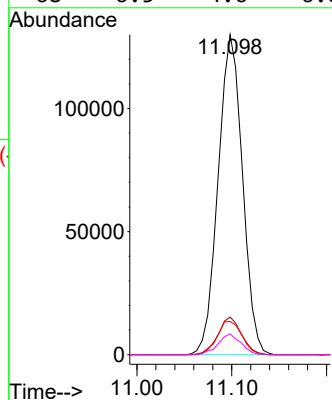
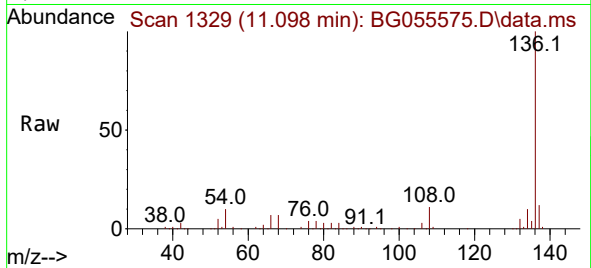




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.098 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG055575.D
Acq: 11 Nov 2022 20:52

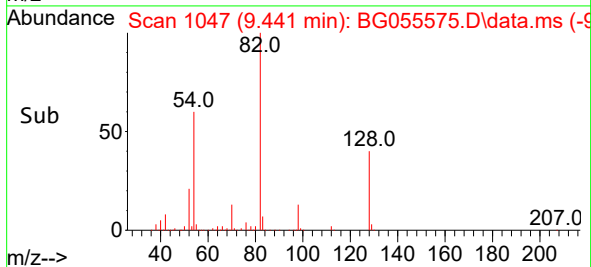
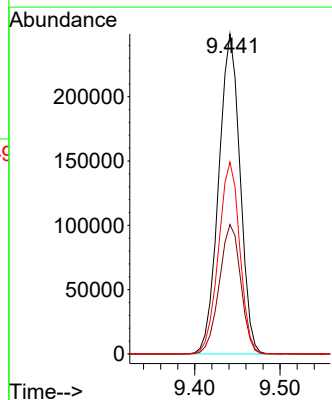
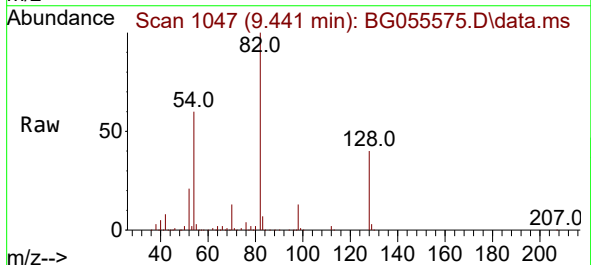
Instrument :
BNA_G
ClientSampleId :
SB-30

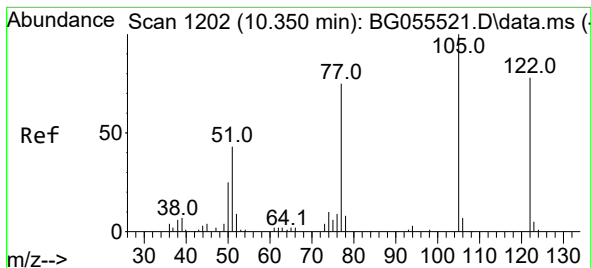
Tgt Ion:136 Resp: 231746
Ion Ratio Lower Upper
136 100
137 11.7 8.6 12.8
54 10.4 8.6 12.8
68 6.5 4.6 6.8



#23
Nitrobenzene-d5
Concen: 126.764 ng
RT: 9.441 min Scan# 1047
Delta R.T. -0.004 min
Lab File: BG055575.D
Acq: 11 Nov 2022 20:52

Tgt Ion: 82 Resp: 433341
Ion Ratio Lower Upper
82 100
128 40.4 32.6 49.0
54 60.0 47.3 70.9





#32

Benzoic acid

Concen: 4.347 ng

RT: 10.264 min Scan# 11

Delta R.T. -0.086 min

Lab File: BG055575.D

Acq: 11 Nov 2022 20:52

Instrument :

BNA_G

ClientSampleId :

SB-30

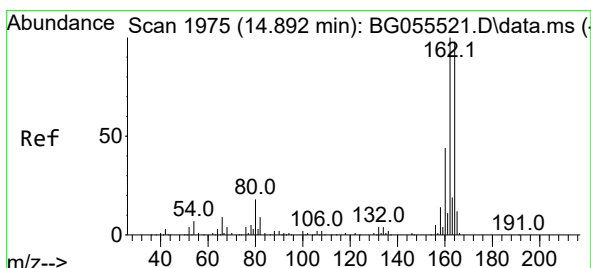
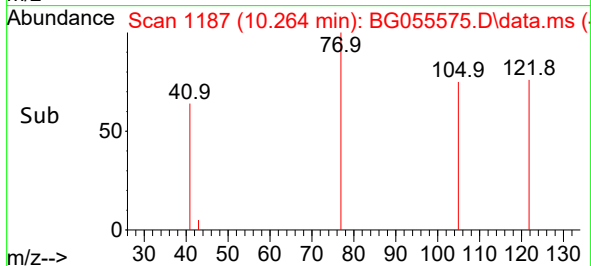
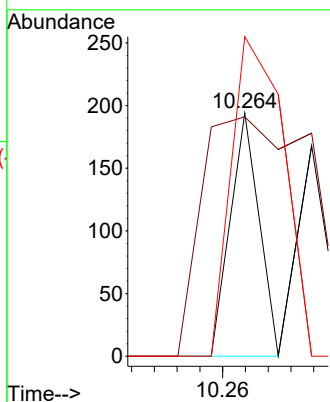
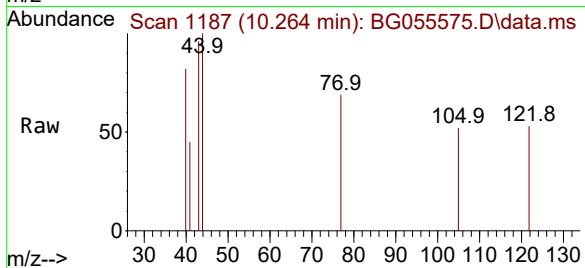
Tgt Ion:122 Resp: 68

Ion Ratio Lower Upper

122 100

105 98.5 101.2 141.2#

77 131.4 74.4 114.4#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.888 min Scan# 1974

Delta R.T. -0.004 min

Lab File: BG055575.D

Acq: 11 Nov 2022 20:52

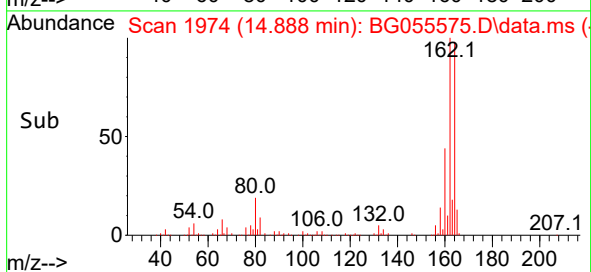
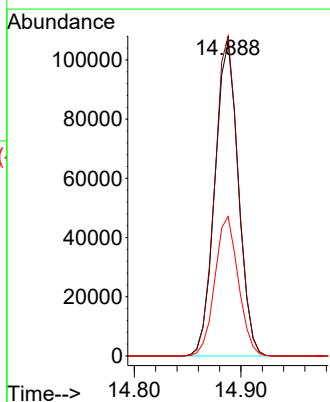
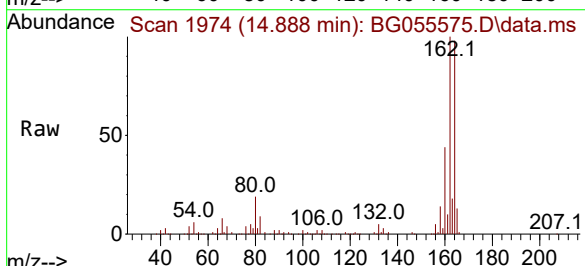
Tgt Ion:164 Resp: 161923

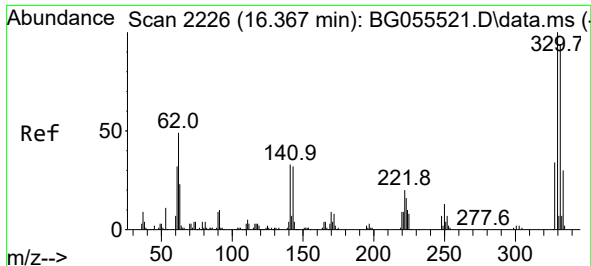
Ion Ratio Lower Upper

164 100

162 102.0 81.3 121.9

160 44.5 35.9 53.9

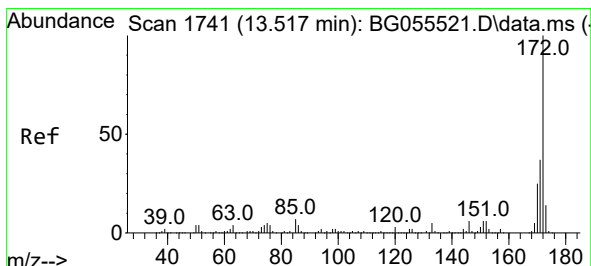
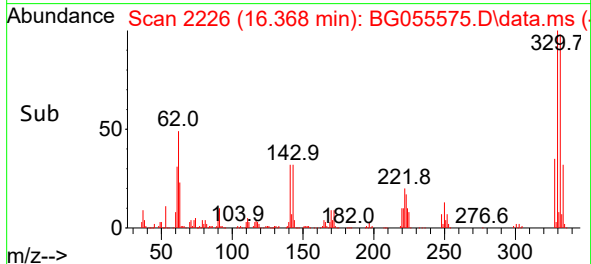
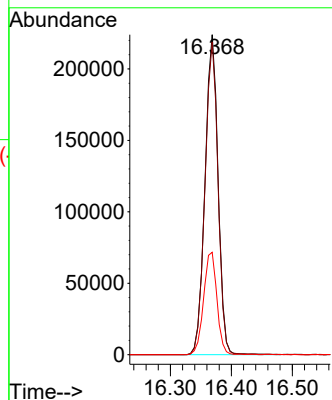
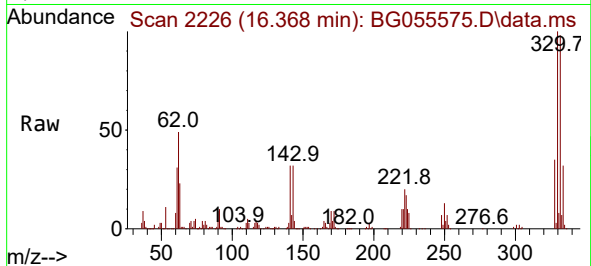




#42
 2,4,6-Tribromophenol
 Concen: 211.807 ng
 RT: 16.368 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG055575.D
 Acq: 11 Nov 2022 20:52

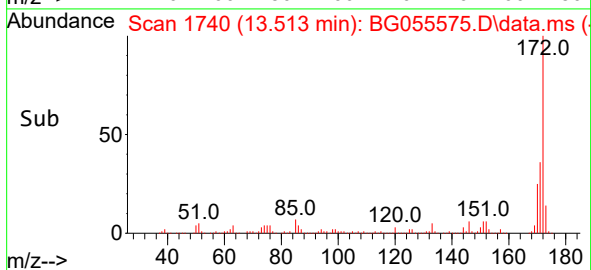
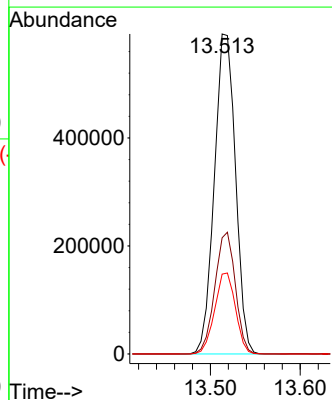
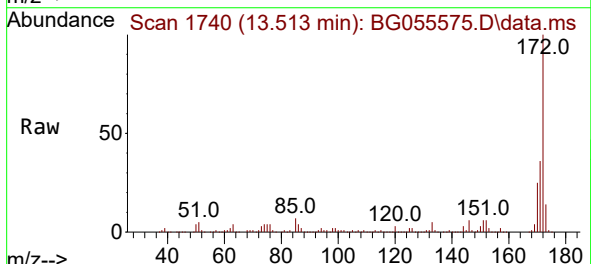
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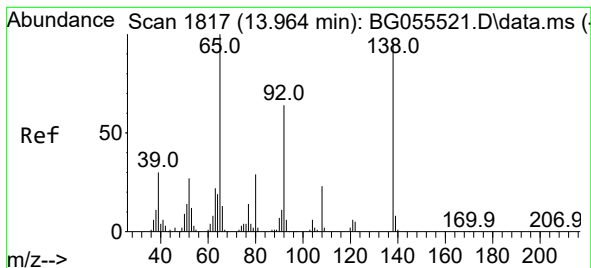
Tgt Ion:330 Resp: 334631
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.4 116.2
 141 32.6 25.4 38.2



#45
 2-Fluorobiphenyl
 Concen: 90.224 ng
 RT: 13.513 min Scan# 1740
 Delta R.T. -0.004 min
 Lab File: BG055575.D
 Acq: 11 Nov 2022 20:52

Tgt Ion:172 Resp: 968539
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.7 44.5
 170 25.0 19.8 29.6





#48

2-Nitroaniline

Concen: 4.512 ng

RT: 13.513 min Scan# 1

Delta R.T. -0.451 min

Lab File: BG055575.D

Acq: 11 Nov 2022 20:52

Instrument :

BNA_G

ClientSampleId :

SB-30

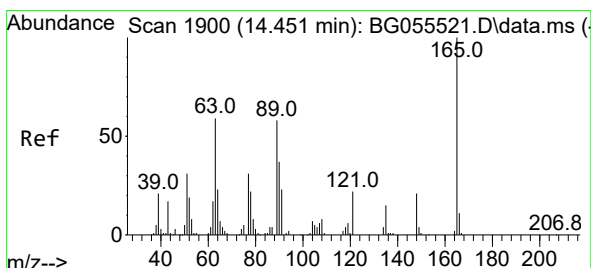
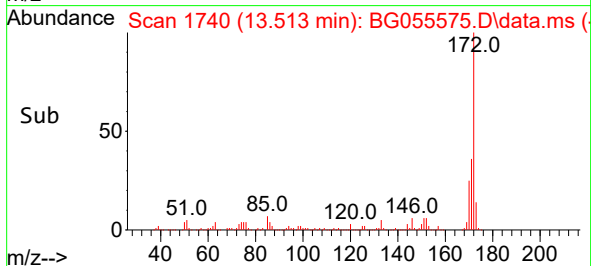
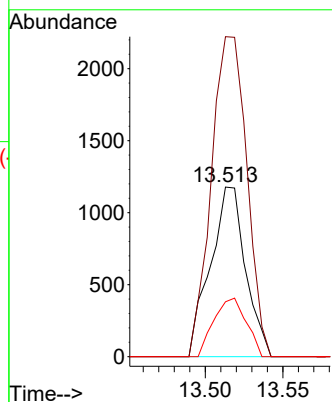
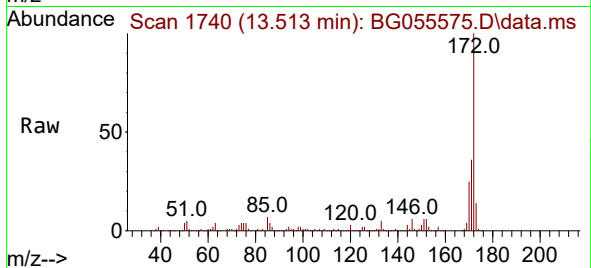
Tgt Ion: 65 Resp: 1854

Ion Ratio Lower Upper

65 100

92 188.8 51.6 77.4#

138 32.4 77.0 115.4#



#51

2,6-Dinitrotoluene

Concen: 12.327 ng

RT: 14.888 min Scan# 1974

Delta R.T. 0.437 min

Lab File: BG055575.D

Acq: 11 Nov 2022 20:52

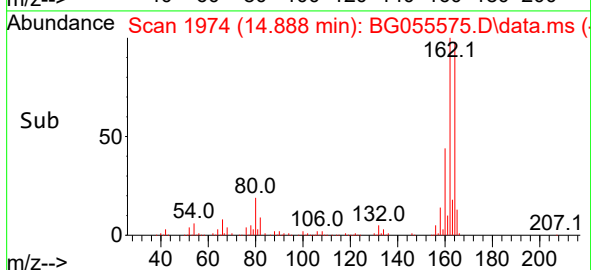
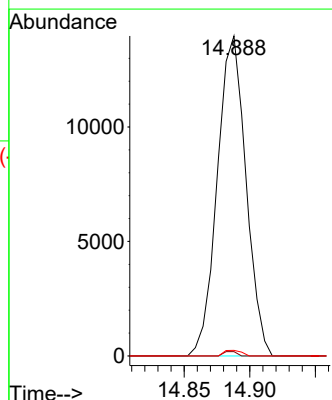
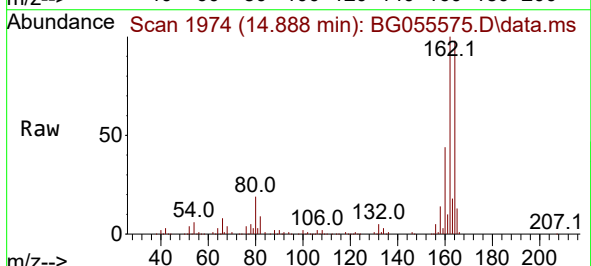
Tgt Ion:165 Resp: 21239

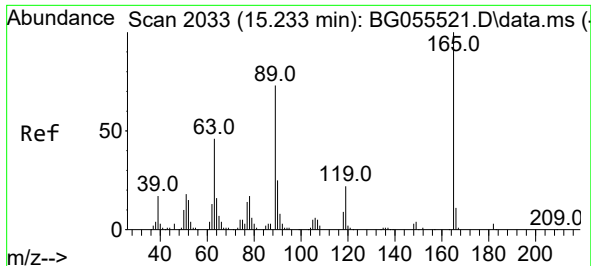
Ion Ratio Lower Upper

165 100

63 1.3 50.1 75.1#

89 1.7 46.5 69.7#





#57

2,4-Dinitrotoluene

Concen: 10.496 ng

RT: 14.888 min Scan# 14

Delta R.T. -0.345 min

Lab File: BG055575.D

Acq: 11 Nov 2022 20:52

Instrument :

BNA_G

ClientSampleId :

SB-30

Tgt Ion:165 Resp: 21239

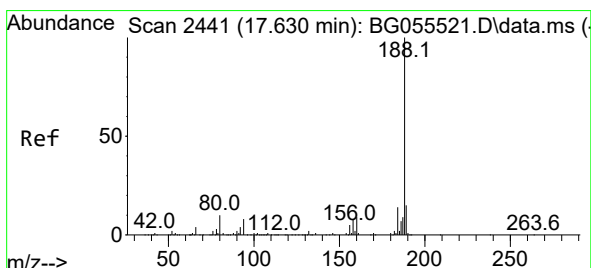
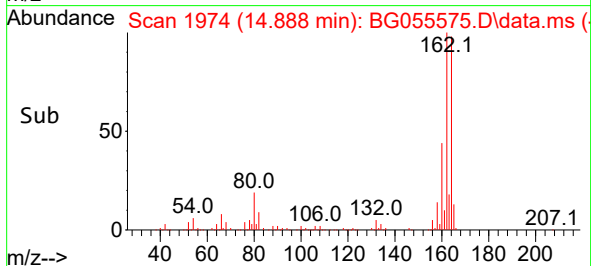
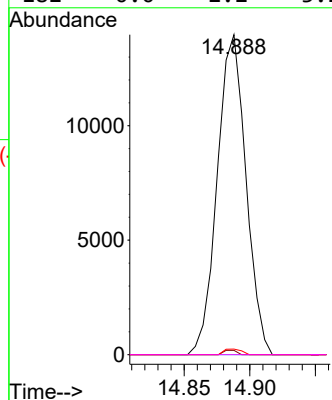
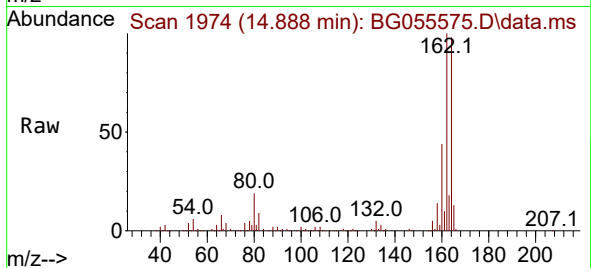
Ion Ratio Lower Upper

165 100

63 1.3 37.0 55.4#

89 1.7 58.6 87.8#

182 0.0 2.2 3.2#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.626 min Scan# 2440

Delta R.T. -0.004 min

Lab File: BG055575.D

Acq: 11 Nov 2022 20:52

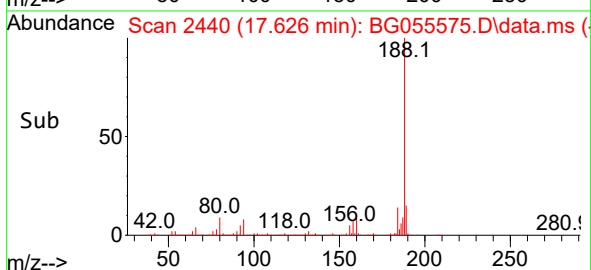
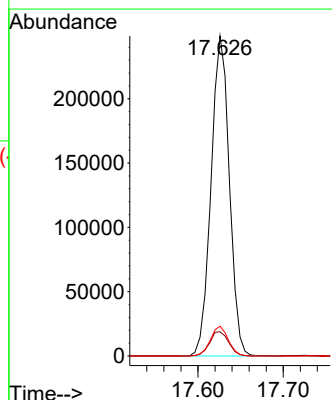
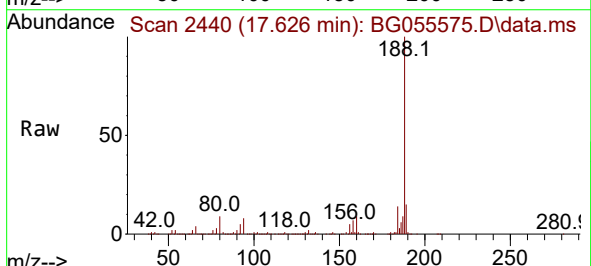
Tgt Ion:188 Resp: 371238

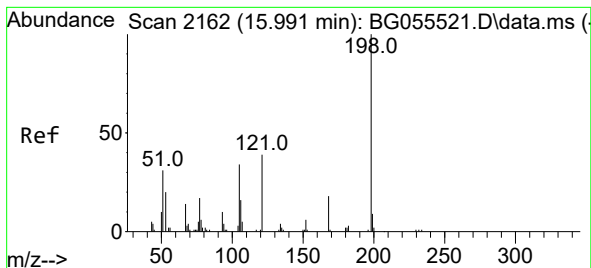
Ion Ratio Lower Upper

188 100

94 7.6 6.4 9.6

80 9.3 7.6 11.4

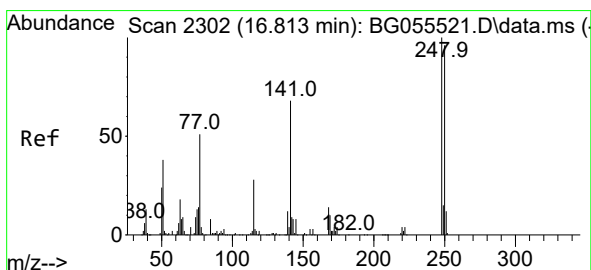
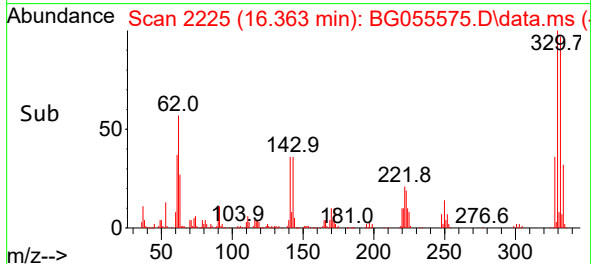
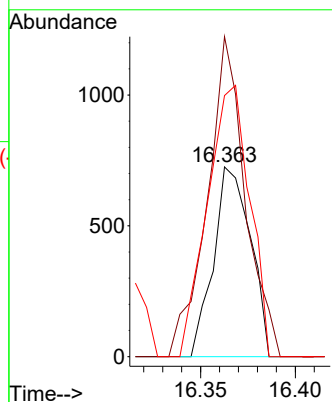
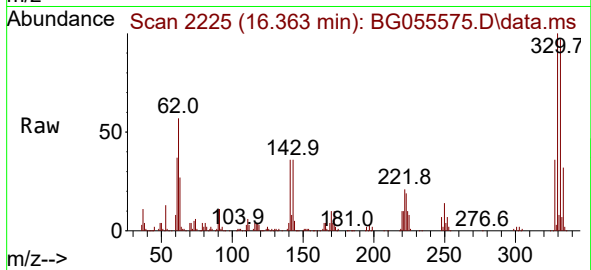




#65
4,6-Dinitro-2-methylphenol
Concen: 2.993 ng
RT: 16.363 min Scan# 2162
Delta R.T. 0.372 min
Lab File: BG055575.D
Acq: 11 Nov 2022 20:52

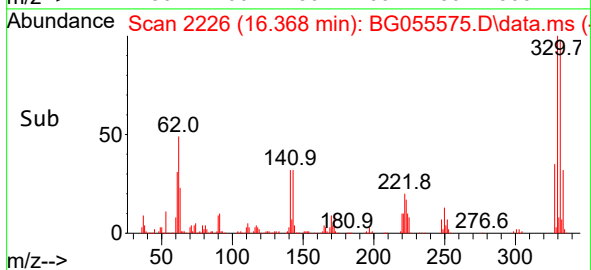
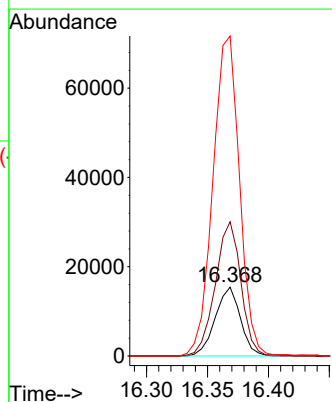
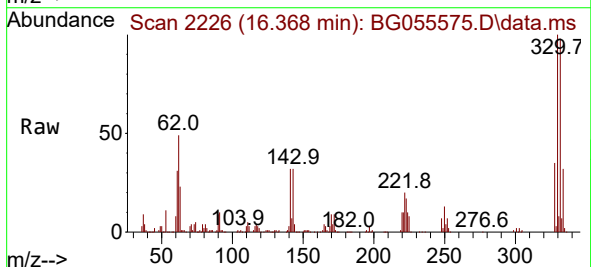
Instrument :
BNA_G
ClientSampleId :
SB-30

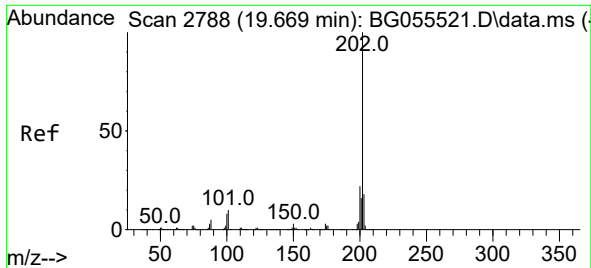
Tgt Ion:198 Resp: 982
Ion Ratio Lower Upper
198 100
51 168.7 24.7 64.7#
105 137.7 17.6 57.6#



#67
4-Bromophenyl-phenylether
Concen: 5.842 ng
RT: 16.368 min Scan# 2226
Delta R.T. -0.445 min
Lab File: BG055575.D
Acq: 11 Nov 2022 20:52

Tgt Ion:248 Resp: 22124
Ion Ratio Lower Upper
248 100
250 195.2 76.9 115.3#
141 465.5 54.3 81.5#

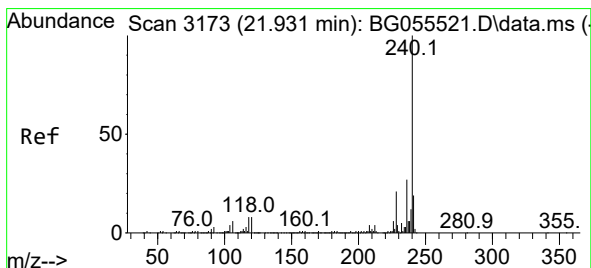
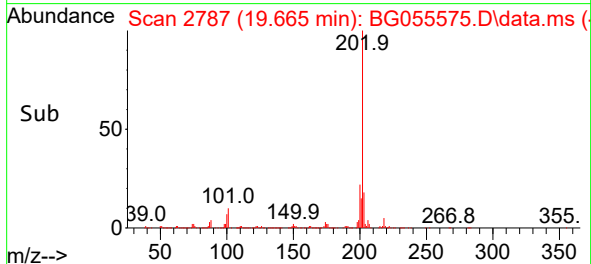
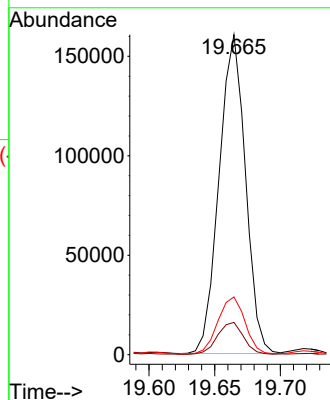
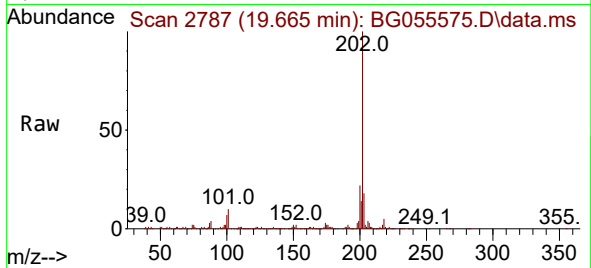




#75
Fluoranthene
Concen: 9.391 ng
RT: 19.665 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG055575.D
Acq: 11 Nov 2022 20:52

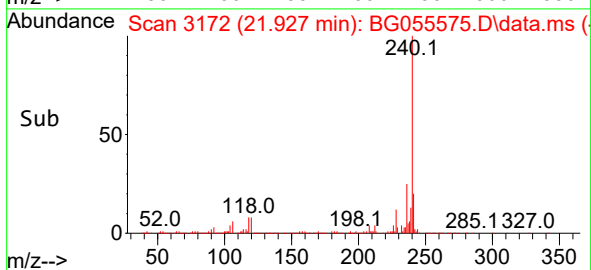
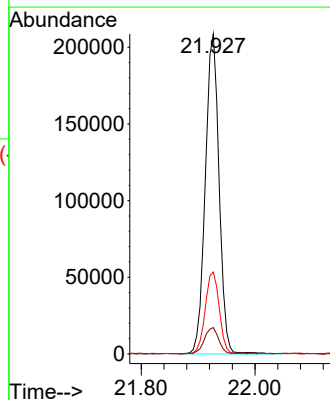
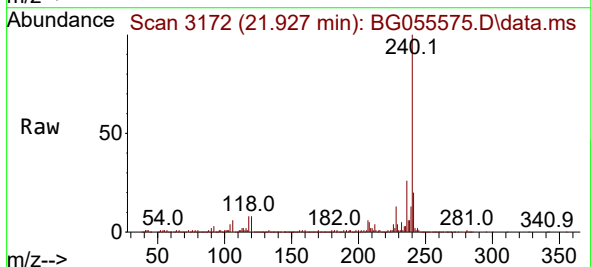
Instrument :
BNA_G
ClientSampleId :
SB-30

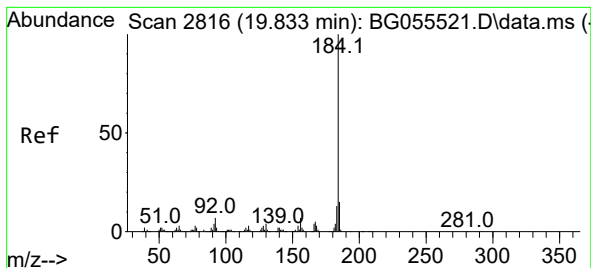
Tgt Ion:202 Resp: 223441
Ion Ratio Lower Upper
202 100
101 10.1 0.0 29.8
203 18.0 0.0 38.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.927 min Scan# 3172
Delta R.T. -0.004 min
Lab File: BG055575.D
Acq: 11 Nov 2022 20:52

Tgt Ion:240 Resp: 350562
Ion Ratio Lower Upper
240 100
120 8.2 6.1 9.1
236 25.6 21.4 32.0





#77

Benzidine

Concen: 2.731 ng

RT: 20.217 min Scan# 2

Delta R.T. 0.384 min

Lab File: BG055575.D

Acq: 11 Nov 2022 20:52

Instrument :

BNA_G

ClientSampleId :

SB-30

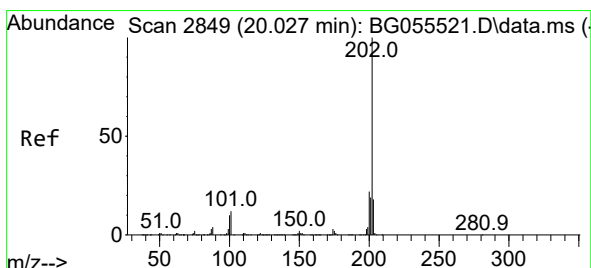
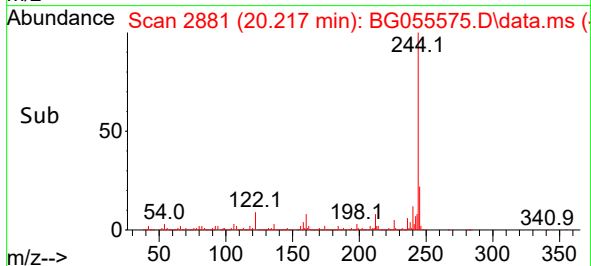
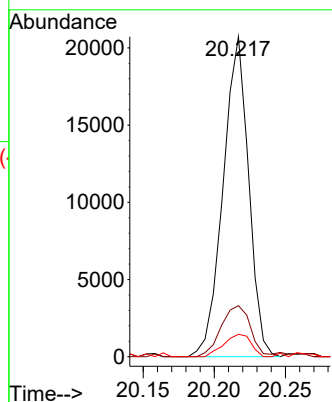
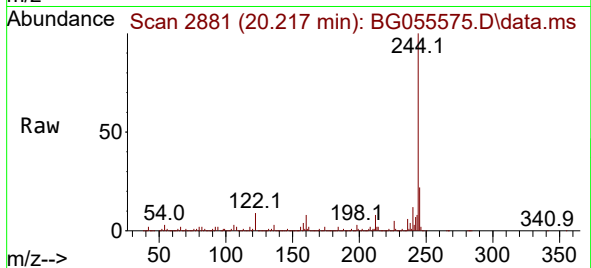
Tgt Ion:184 Resp: 25900

Ion Ratio Lower Upper

184 100

185 15.9 12.0 18.0

183 7.0 10.2 15.2#



#78

Pyrene

Concen: 17.221 ng

RT: 20.023 min Scan# 2848

Delta R.T. -0.004 min

Lab File: BG055575.D

Acq: 11 Nov 2022 20:52

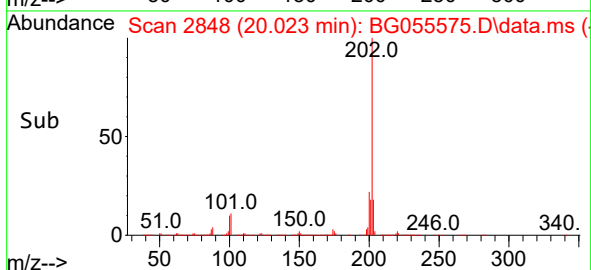
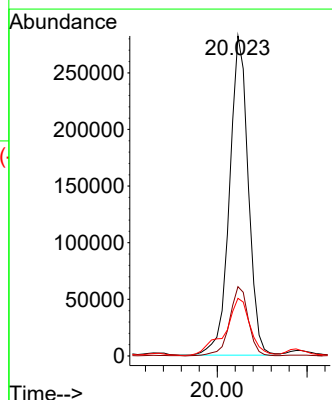
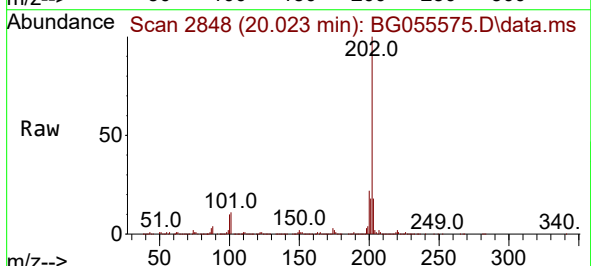
Tgt Ion:202 Resp: 408581

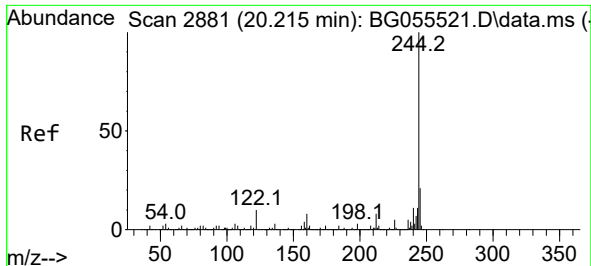
Ion Ratio Lower Upper

202 100

200 21.6 18.0 27.0

203 18.0 14.2 21.2

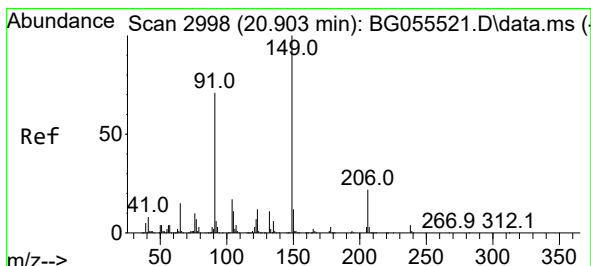
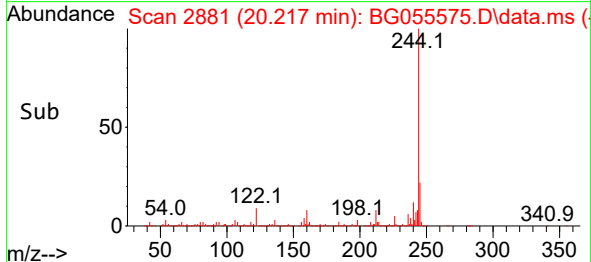
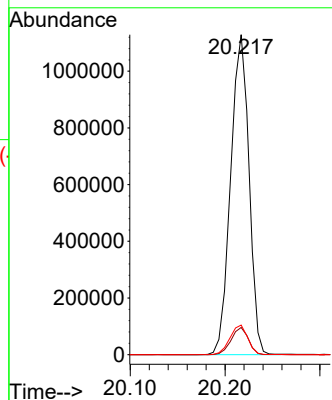
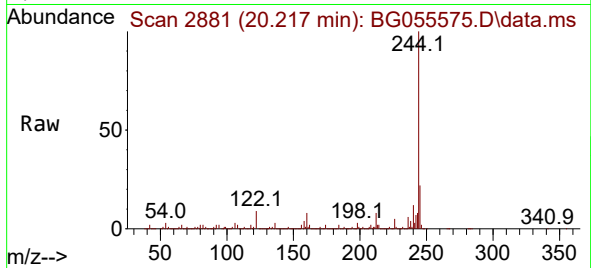




#79
 Terphenyl-d14
 Concen: 86.911 ng
 RT: 20.217 min Scan# 21
 Delta R.T. 0.002 min
 Lab File: BG055575.D
 Acq: 11 Nov 2022 20:52

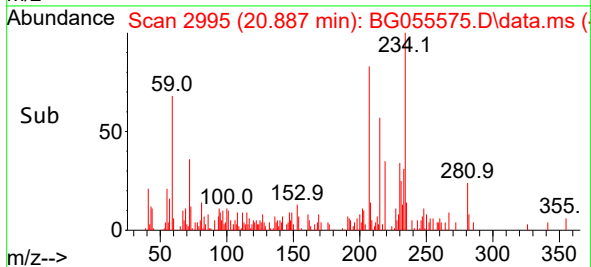
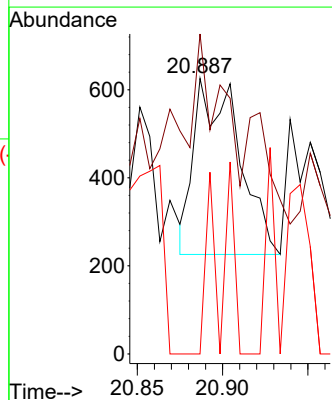
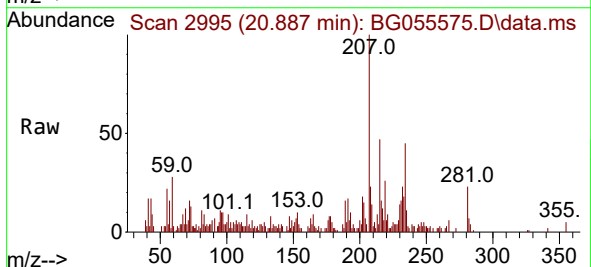
Instrument :
 BNA_G
 ClientSampleId :
 SB-30

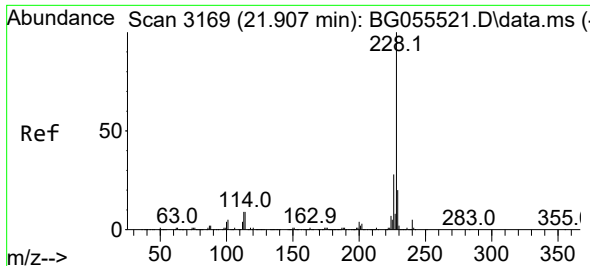
Tgt Ion:244 Resp: 1516898
 Ion Ratio Lower Upper
 244 100
 212 8.5 6.5 9.7
 122 9.3 7.7 11.5



#80
 Butylbenzylphthalate
 Concen: 3.439 ng
 RT: 20.887 min Scan# 2995
 Delta R.T. -0.016 min
 Lab File: BG055575.D
 Acq: 11 Nov 2022 20:52

Tgt Ion:149 Resp: 726
 Ion Ratio Lower Upper
 149 100
 91 116.1 56.8 85.2#
 206 0.0 17.3 25.9#

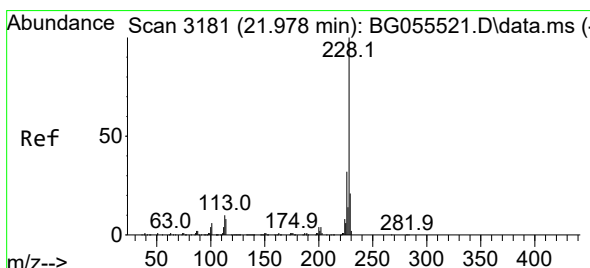
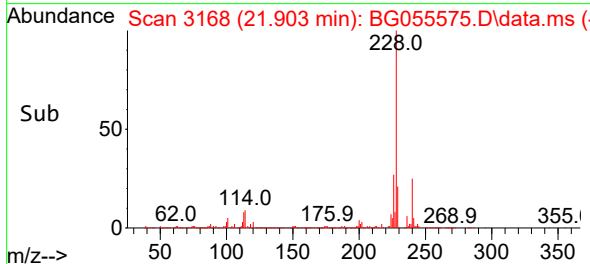
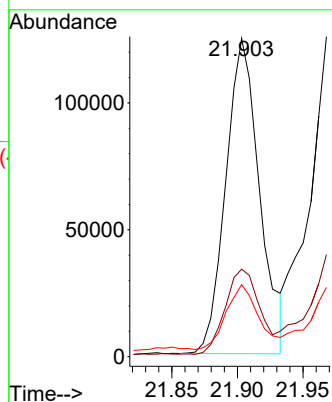
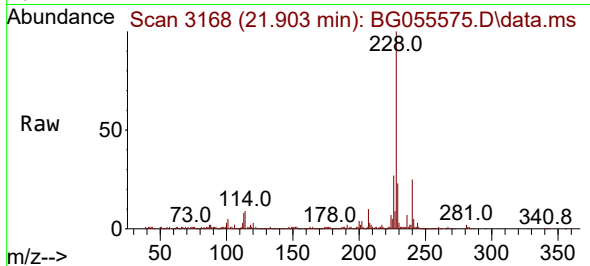




#81
Benzo(a)anthracene
Concen: 9.241 ng
RT: 21.903 min Scan# 3168
Delta R.T. -0.004 min
Lab File: BG055575.D
Acq: 11 Nov 2022 20:52

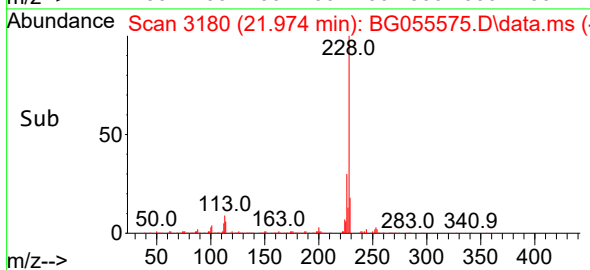
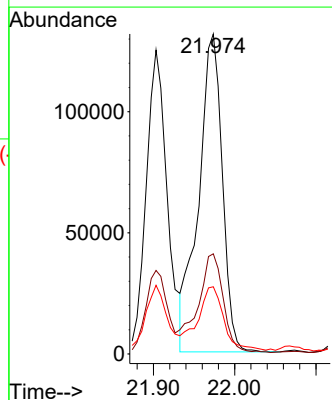
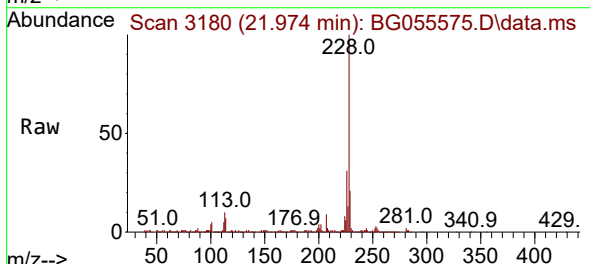
Instrument :
BNA_G
ClientSampleId :
SB-30

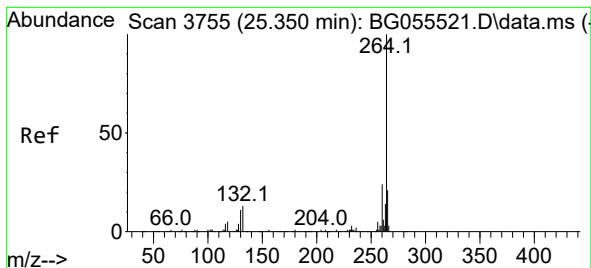
Tgt Ion:228 Resp: 221899
Ion Ratio Lower Upper
228 100
226 27.5 22.6 34.0
229 22.6 16.1 24.1



#83
Chrysene
Concen: 11.683 ng
RT: 21.974 min Scan# 3180
Delta R.T. -0.004 min
Lab File: BG055575.D
Acq: 11 Nov 2022 20:52

Tgt Ion:228 Resp: 266757
Ion Ratio Lower Upper
228 100
226 31.3 25.7 38.5
229 21.0 16.6 25.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.346 min Scan# 31

Delta R.T. -0.004 min

Lab File: BG055575.D

Acq: 11 Nov 2022 20:52

Instrument :

BNA_G

ClientSampleId :

SB-30

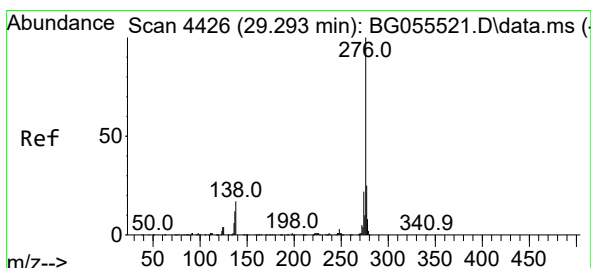
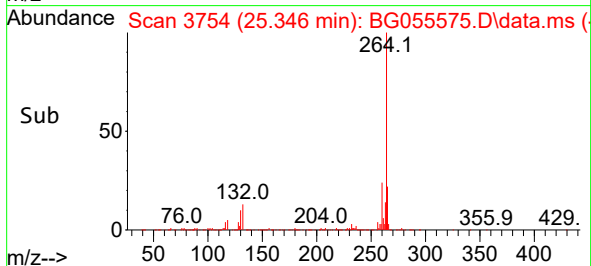
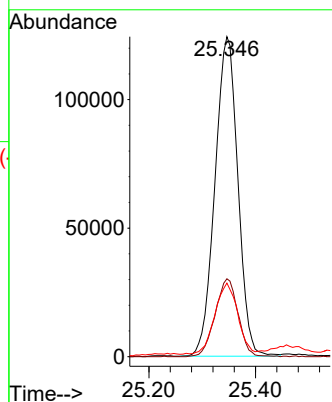
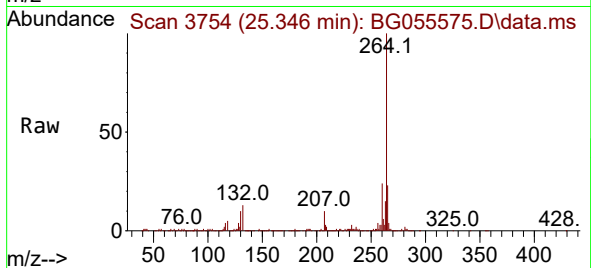
Tgt Ion:264 Resp: 371382

Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.2

265 23.0 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.598 ng

RT: 29.259 min Scan# 4420

Delta R.T. -0.034 min

Lab File: BG055575.D

Acq: 11 Nov 2022 20:52

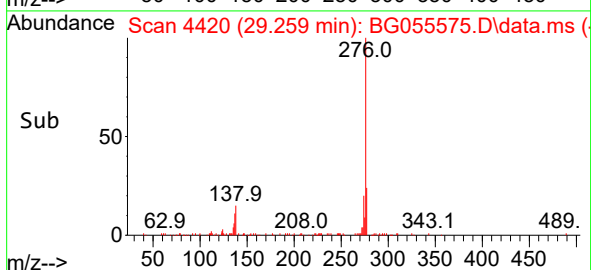
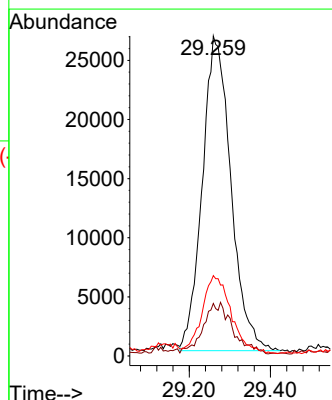
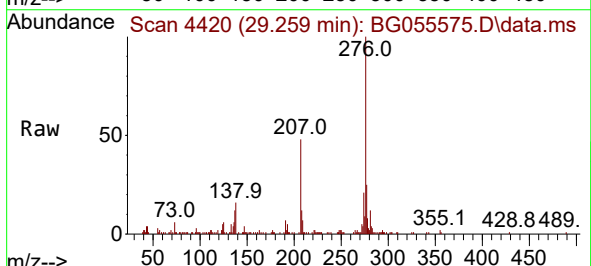
Tgt Ion:276 Resp: 130049

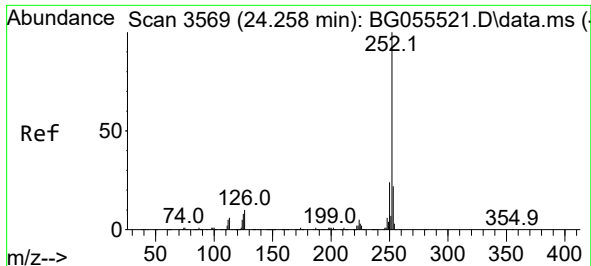
Ion Ratio Lower Upper

276 100

138 8.4 11.5 17.3#

277 25.2 20.4 30.6

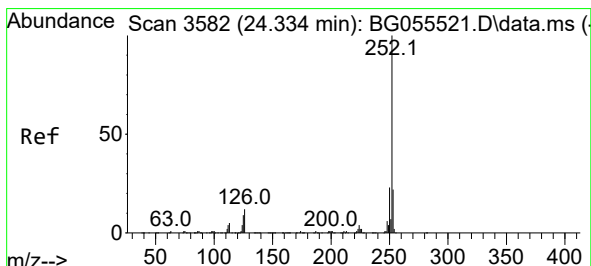
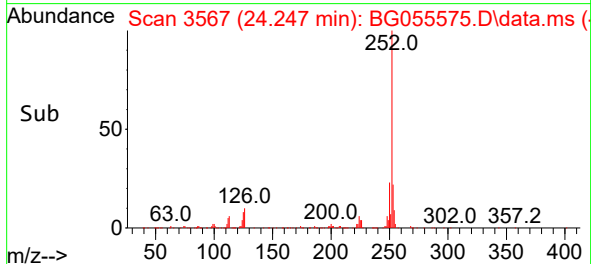
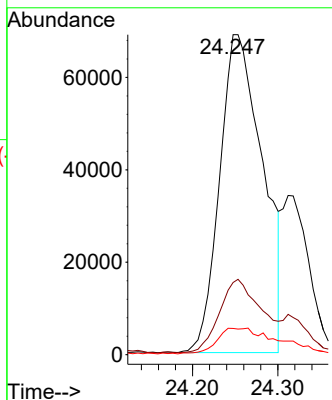
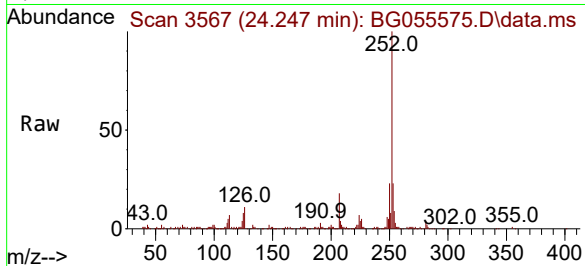




#88
Benzo(b)fluoranthene
Concen: 10.263 ng
RT: 24.247 min Scan# 3567
Delta R.T. -0.011 min
Lab File: BG055575.D
Acq: 11 Nov 2022 20:52

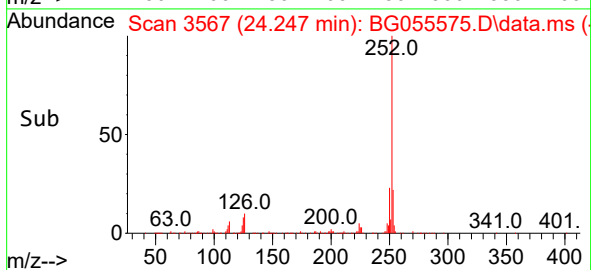
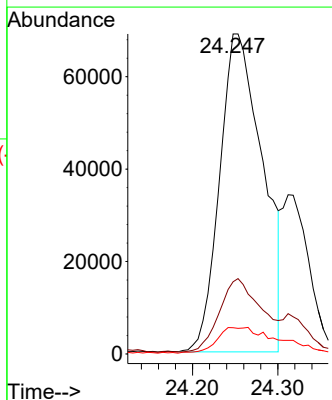
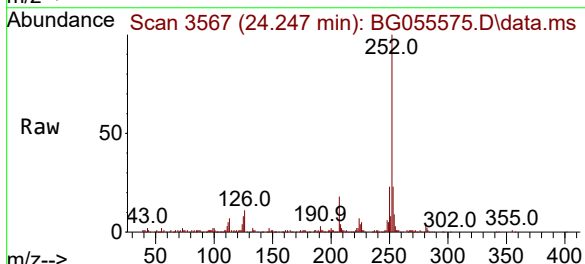
Instrument :
BNA_G
ClientSampleId :
SB-30

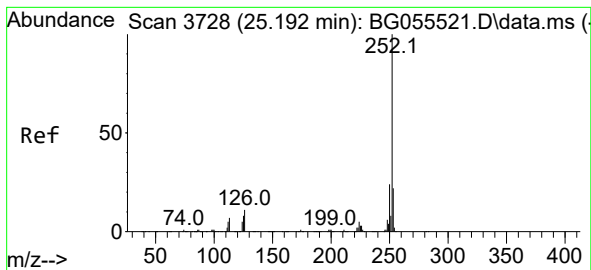
Tgt Ion:252 Resp: 241504
Ion Ratio Lower Upper
252 100
253 22.5 17.9 26.9
125 8.2 6.7 10.1



#89
Benzo(k)fluoranthene
Concen: 10.039 ng
RT: 24.247 min Scan# 3567
Delta R.T. -0.087 min
Lab File: BG055575.D
Acq: 11 Nov 2022 20:52

Tgt Ion:252 Resp: 241504
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.8
125 8.2 6.9 10.3





#90

Benzo(a)pyrene

Concen: 10.903 ng

RT: 25.182 min Scan# 31

Delta R.T. -0.010 min

Lab File: BG055575.D

Acq: 11 Nov 2022 20:52

Instrument :

BNA_G

ClientSampleId :

SB-30

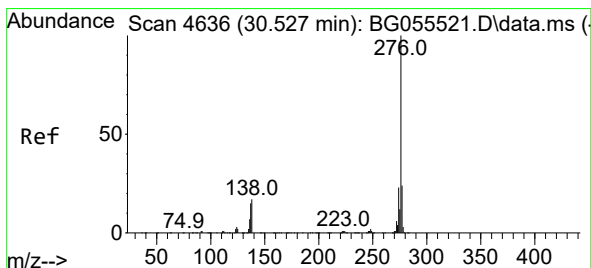
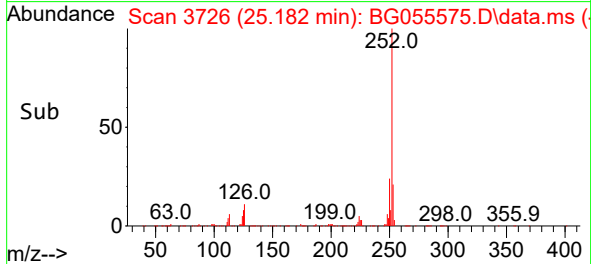
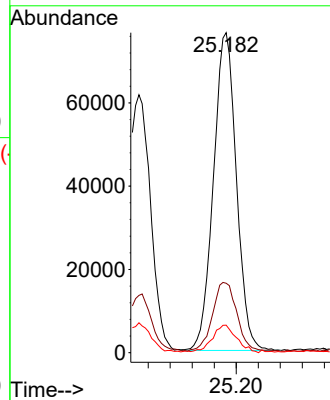
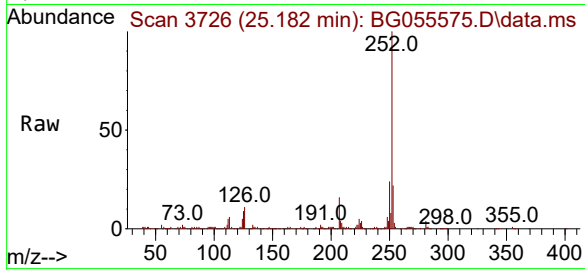
Tgt Ion:252 Resp: 220997

Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.6

125 8.6 6.7 10.1



#92

Benzo(g,h,i)perylene

Concen: 7.087 ng

RT: 30.493 min Scan# 4630

Delta R.T. -0.034 min

Lab File: BG055575.D

Acq: 11 Nov 2022 20:52

Tgt Ion:276 Resp: 162218

Ion Ratio Lower Upper

276 100

277 21.0 19.3 28.9

138 16.0 13.9 20.9

