

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111122\
 Data File : BG055584.D
 Acq On : 12 Nov 2022 3:17
 Operator : CG/JU
 Sample : N5531-15 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-27

Quant Time: Nov 12 03:53:51 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)

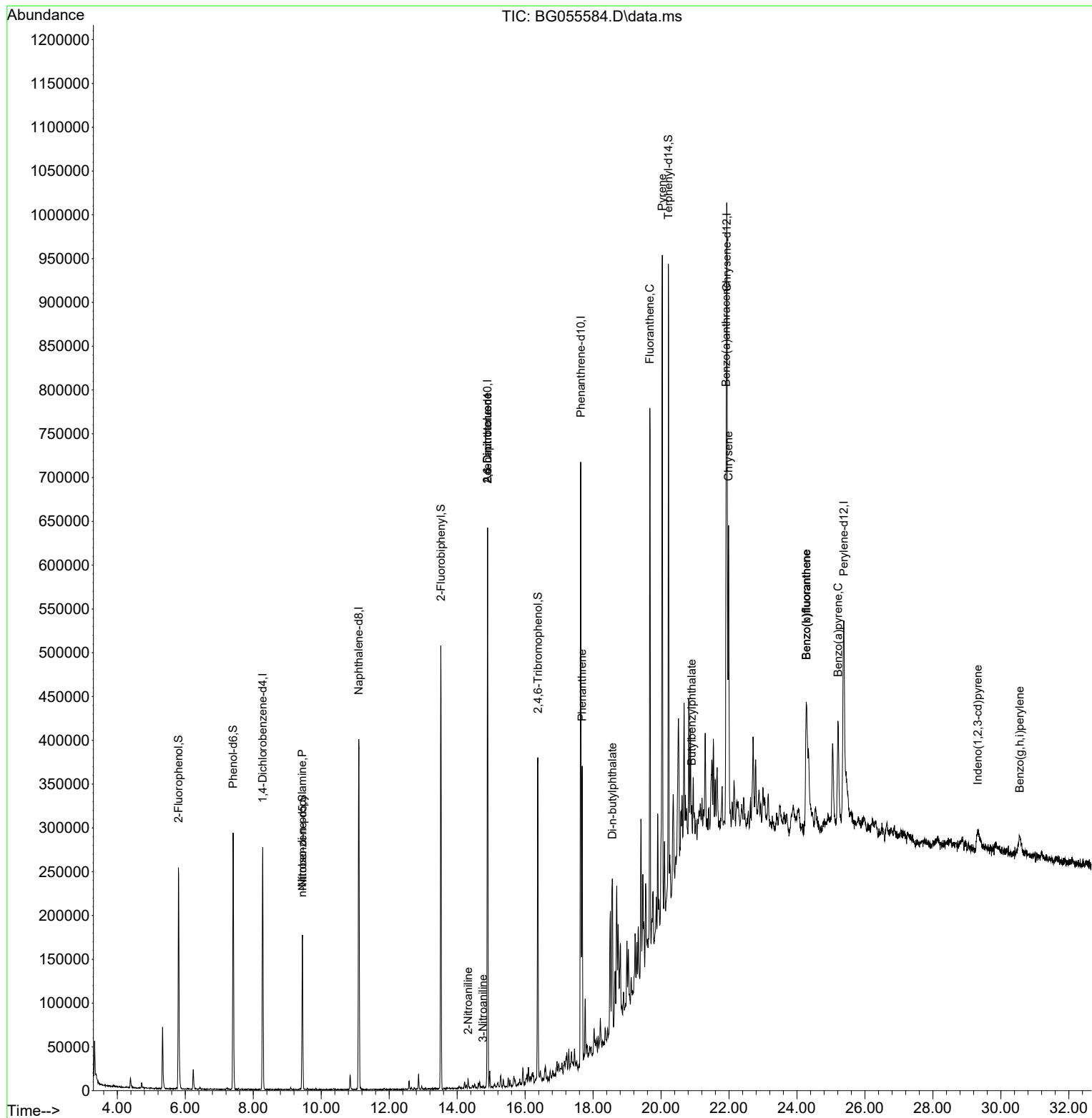
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.279	152	80924	20.000	ng	0.00
21) Naphthalene-d8	11.105	136	343108	20.000	ng	0.00
39) Acenaphthene-d10	14.894	164	226089	20.000	ng	0.00
64) Phenanthrene-d10	17.638	188	454183	20.000	ng	0.00
76) Chrysene-d12	21.939	240	402431	20.000	ng	0.00
86) Perylene-d12	25.376	264	350188	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.799	112	119341	28.090	ng	0.00
7) Phenol-d6	7.409	99	162785	27.738	ng	0.00
23) Nitrobenzene-d5	9.448	82	104389	20.625	ng	0.00
42) 2,4,6-Tribromophenol	16.375	330	72864	33.031	ng	0.00
45) 2-Fluorobiphenyl	13.520	172	259546	17.316	ng	0.00
79) Terphenyl-d14	20.218	244	351214	17.529	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.442	70	14061	2.899	ng	# 81
48) 2-Nitroaniline	14.325	65	130	3.823	ng	# 8
51) 2,6-Dinitrotoluene	14.894	165	30897	12.711	ng	# 22
53) 3-Nitroaniline	14.759	138	55	3.793	ng	# 1
57) 2,4-Dinitrotoluene	14.894	165	30897	10.784	ng	# 23
71) Phenanthrene	17.679	178	220692	9.041	ng	98
74) Di-n-butylphthalate	18.573	149	105316	4.249	ng	99
75) Fluoranthene	19.671	202	387600	13.316	ng	98
78) Pyrene	20.035	202	494835	18.168	ng	99
80) Butylbenzylphthalate	20.905	149	5382	3.847	ng	# 95
81) Benzo(a)anthracene	21.916	228	271311	9.843	ng	97
83) Chrysene	21.986	228	278383	10.621	ng	99
87) Indeno(1,2,3-cd)pyrene	29.319	276	69624	2.610	ng	# 80
88) Benzo(b)fluoranthene	24.278	252	227902	10.271	ng	98
89) Benzo(k)fluoranthene	24.278	252	227902	10.047	ng	98
90) Benzo(a)pyrene	25.206	252	184796	9.669	ng	99
92) Benzo(g,h,i)perylene	30.558	276	68157	3.158	ng	94

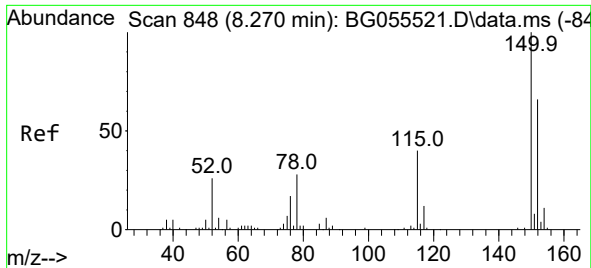
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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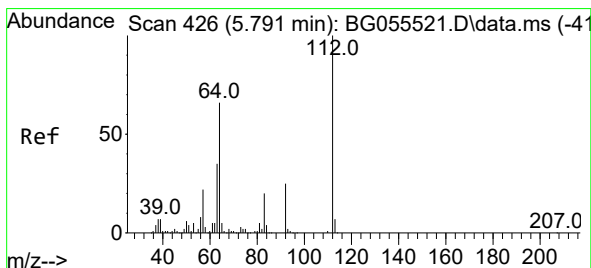
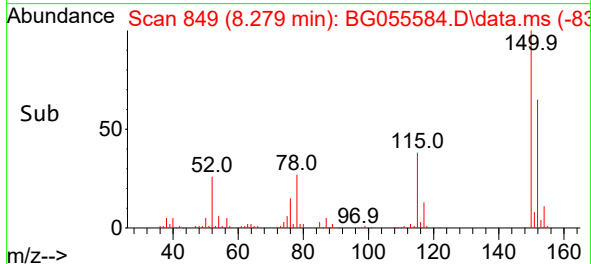
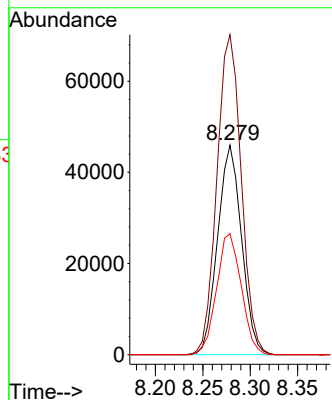
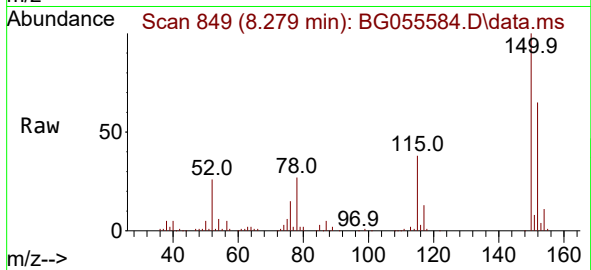




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.279 min Scan# 84
Delta R.T. 0.009 min
Lab File: BG055584.D
Acq: 12 Nov 2022 3:17

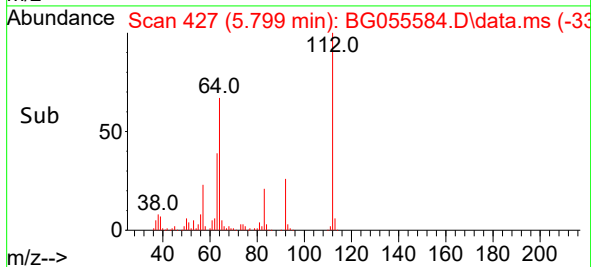
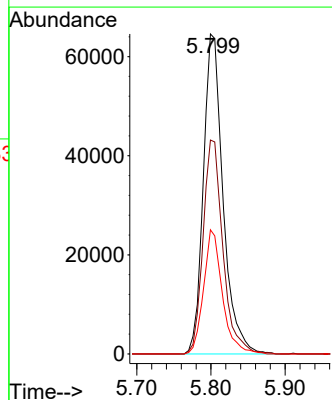
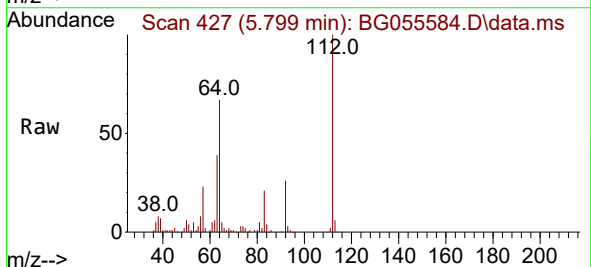
Instrument :
BNA_G
ClientSampleId :
SB-27

Tgt Ion:152 Resp: 80924
Ion Ratio Lower Upper
152 100
150 152.7 121.0 181.4
115 57.8 47.8 71.8



#5
2-Fluorophenol
Concen: 28.090 ng
RT: 5.799 min Scan# 427
Delta R.T. 0.008 min
Lab File: BG055584.D
Acq: 12 Nov 2022 3:17

Tgt Ion:112 Resp: 119341
Ion Ratio Lower Upper
112 100
64 66.9 52.6 78.8
63 38.8 28.3 42.5

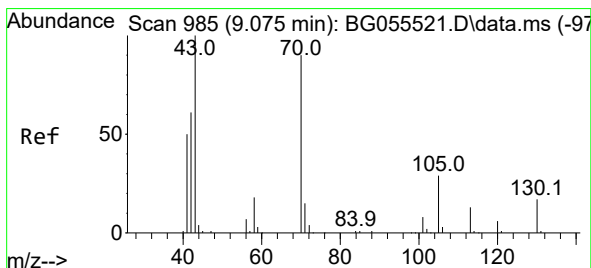
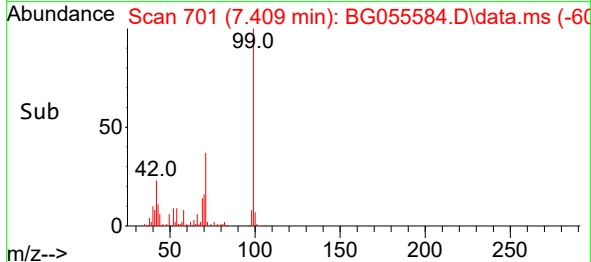
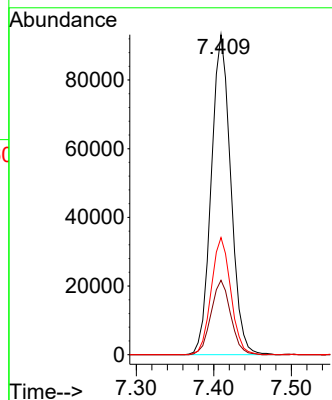
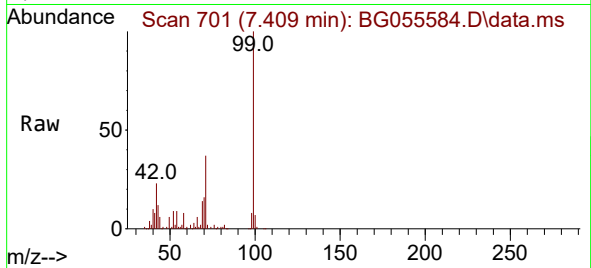




#7
Phenol-d6
Concen: 27.738 ng
RT: 7.409 min Scan# 700
Delta R.T. 0.008 min
Lab File: BG055584.D
Acq: 12 Nov 2022 3:17

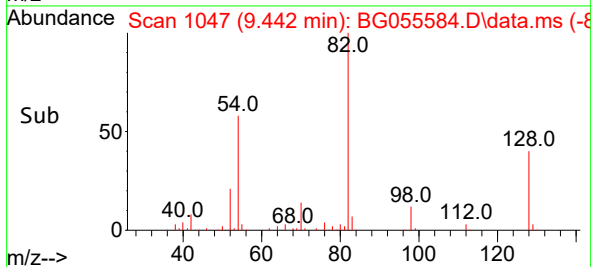
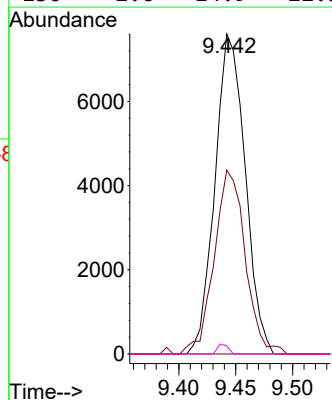
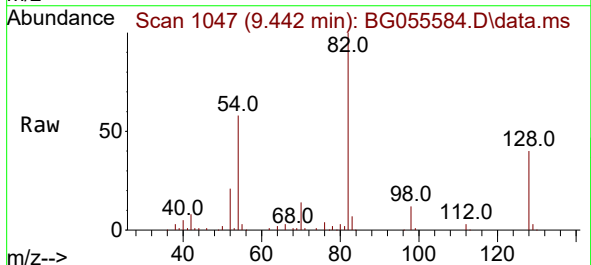
Instrument :
BNA_G
ClientSampleId :
SB-27

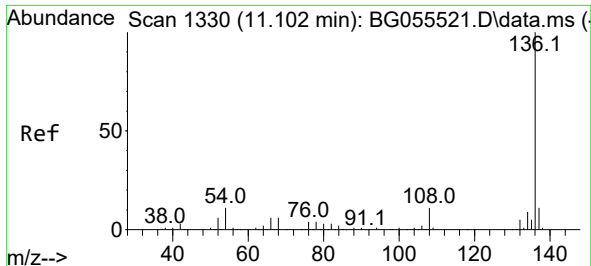
Tgt Ion: 99 Resp: 162785
Ion Ratio Lower Upper
99 100
42 23.2 17.5 26.3
71 36.6 28.3 42.5



#19
n-Nitroso-di-n-propylamine
Concen: 2.899 ng
RT: 9.442 min Scan# 1047
Delta R.T. 0.367 min
Lab File: BG055584.D
Acq: 12 Nov 2022 3:17

Tgt Ion: 70 Resp: 14061
Ion Ratio Lower Upper
70 100
42 57.4 54.8 82.2
101 0.0 6.8 10.2#
130 2.6 14.9 22.3#

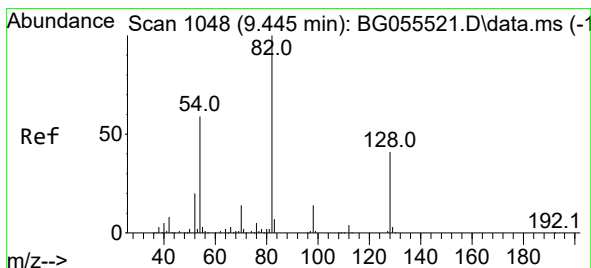
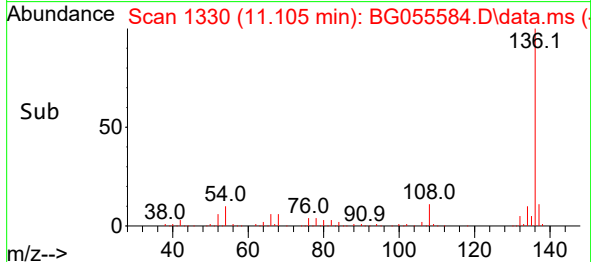
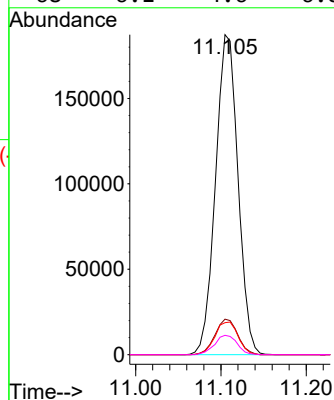
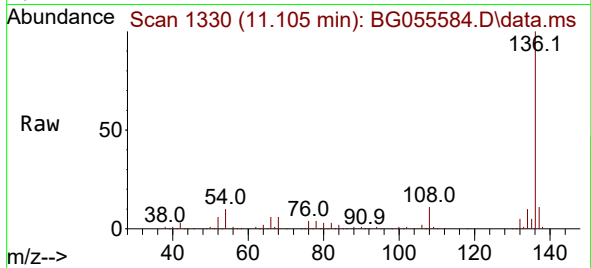




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.105 min Scan# 11
Delta R.T. 0.003 min
Lab File: BG055584.D
Acq: 12 Nov 2022 3:17

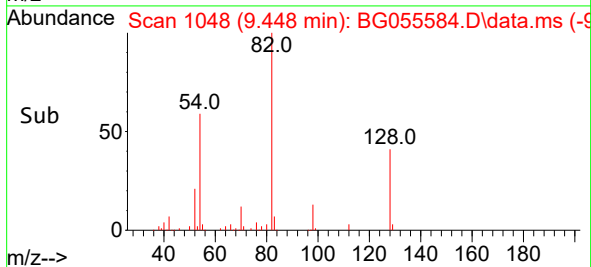
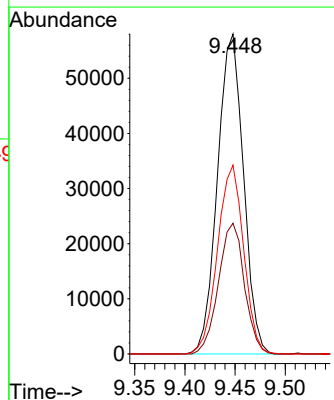
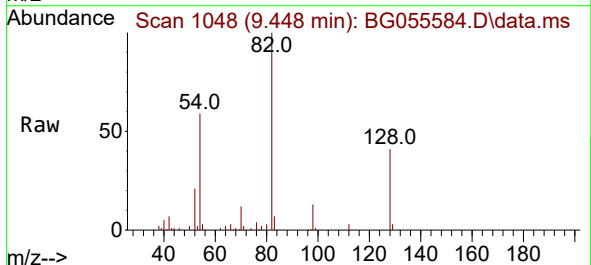
Instrument :
BNA_G
ClientSampleId :
SB-27

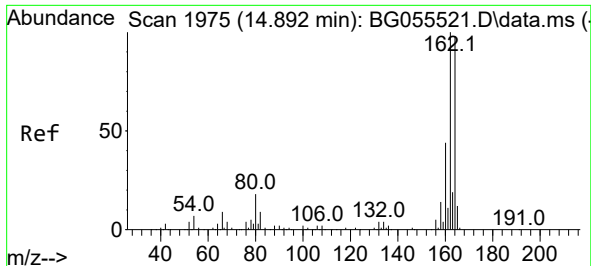
Tgt Ion:	136	Resp:	343108
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.6	12.8
54	10.0	8.6	12.8
68	6.1	4.6	6.8



#23
Nitrobenzene-d5
Concen: 20.625 ng
RT: 9.448 min Scan# 1048
Delta R.T. 0.003 min
Lab File: BG055584.D
Acq: 12 Nov 2022 3:17

Tgt Ion:	82	Resp:	104389
Ion Ratio	Lower	Upper	
82	100		
128	40.8	32.6	49.0
54	59.0	47.3	70.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.894 min Scan# 11

Delta R.T. 0.002 min

Lab File: BG055584.D

Acq: 12 Nov 2022 3:17

Instrument :

BNA_G

ClientSampleId :

SB-27

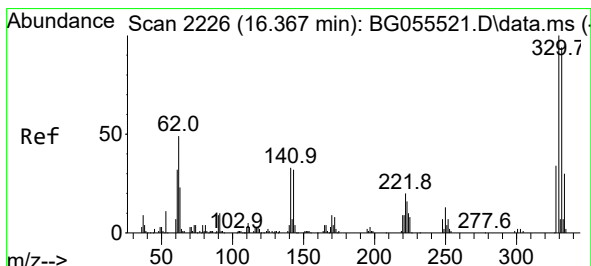
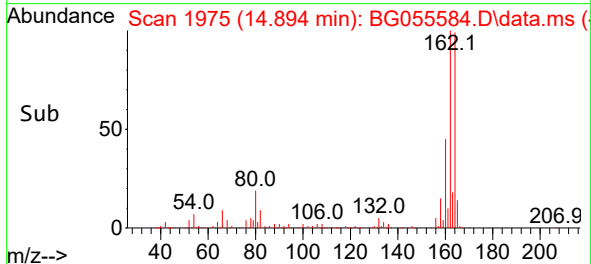
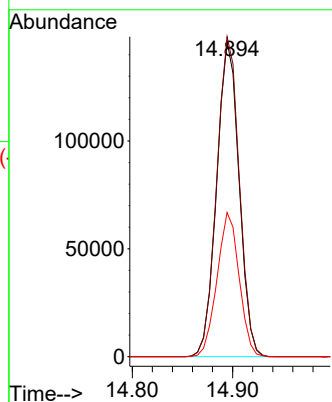
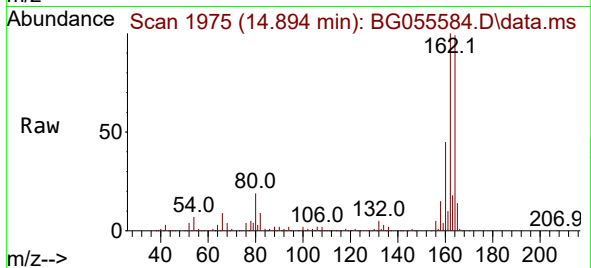
Tgt Ion:164 Resp: 226089

Ion Ratio Lower Upper

164 100

162 101.4 81.3 121.9

160 45.7 35.9 53.9



#42

2,4,6-Tribromophenol

Concen: 33.031 ng

RT: 16.375 min Scan# 2227

Delta R.T. 0.008 min

Lab File: BG055584.D

Acq: 12 Nov 2022 3:17

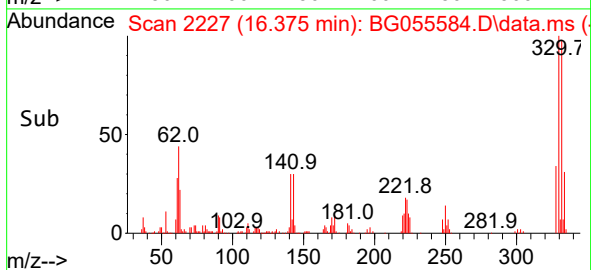
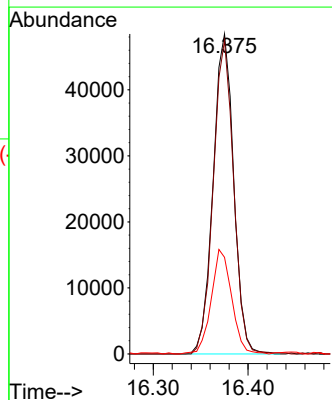
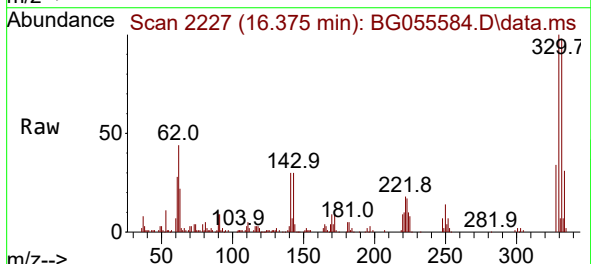
Tgt Ion:330 Resp: 72864

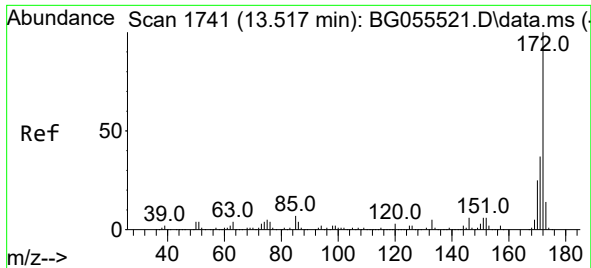
Ion Ratio Lower Upper

330 100

332 96.9 77.4 116.2

141 32.5 25.4 38.2

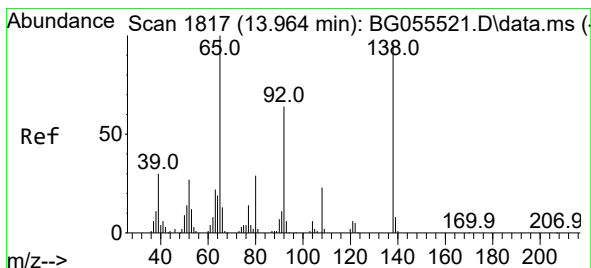
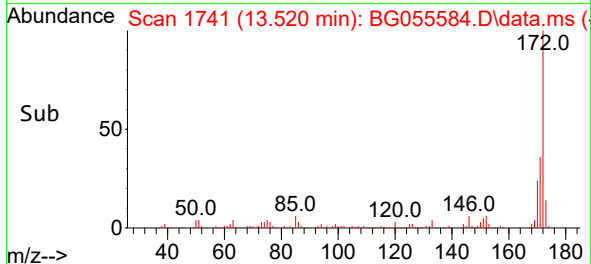
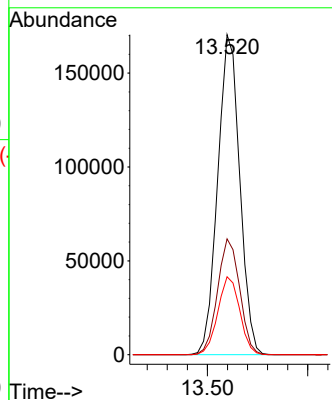
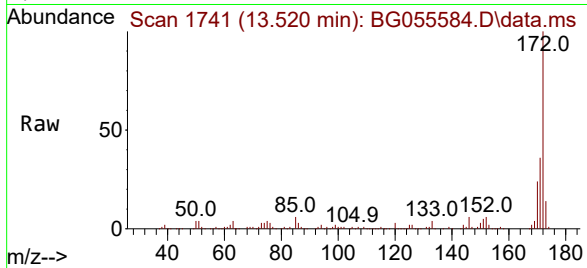




#45
2-Fluorobiphenyl
Concen: 17.316 ng
RT: 13.520 min Scan# 1741
Delta R.T. 0.003 min
Lab File: BG055584.D
Acq: 12 Nov 2022 3:17

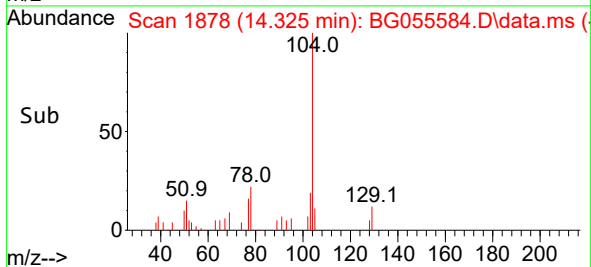
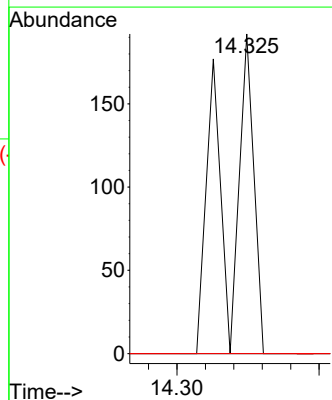
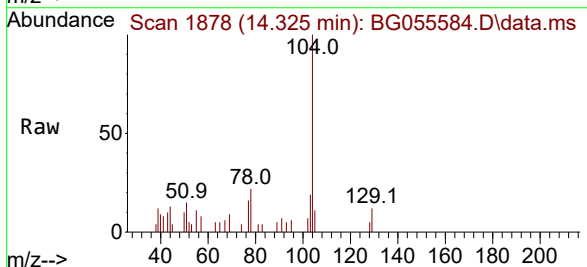
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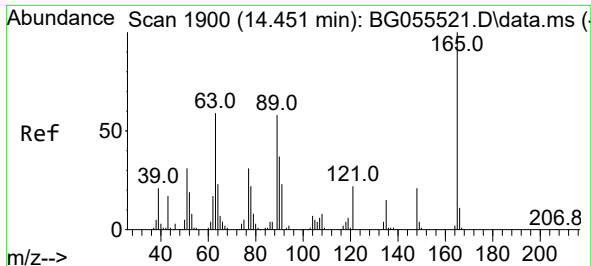
Tgt Ion:172 Resp: 259546
Ion Ratio Lower Upper
172 100
171 36.2 29.7 44.5
170 24.4 19.8 29.6



#48
2-Nitroaniline
Concen: 3.823 ng
RT: 14.325 min Scan# 1878
Delta R.T. 0.361 min
Lab File: BG055584.D
Acq: 12 Nov 2022 3:17

Tgt Ion: 65 Resp: 130
Ion Ratio Lower Upper
65 100
92 0.0 51.6 77.4#
138 0.0 77.0 115.4#

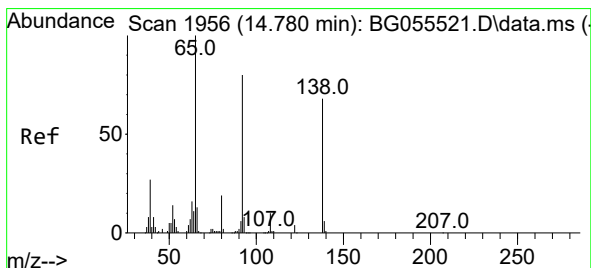
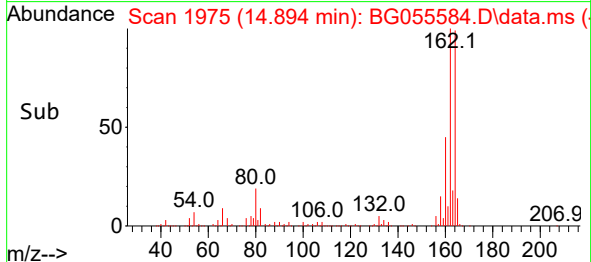
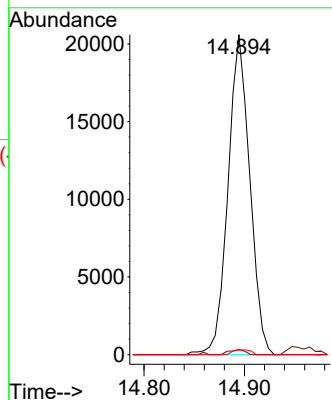
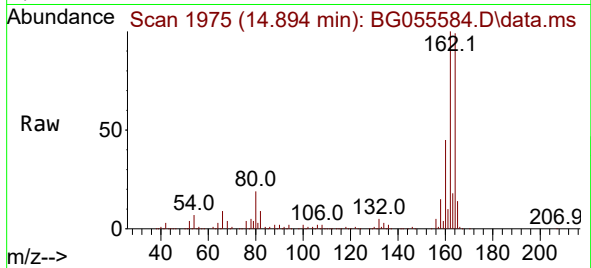




#51
2,6-Dinitrotoluene
Concen: 12.711 ng
RT: 14.894 min Scan# 1900
Delta R.T. 0.443 min
Lab File: BG055584.D
Acq: 12 Nov 2022 3:17

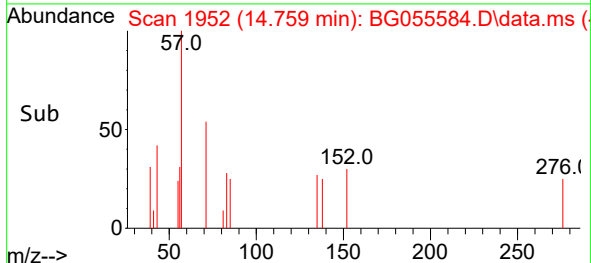
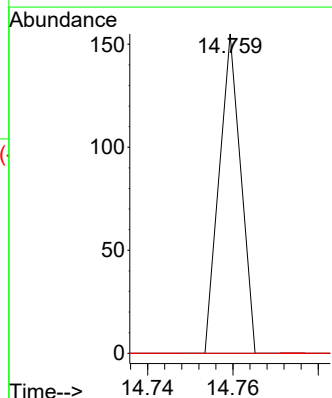
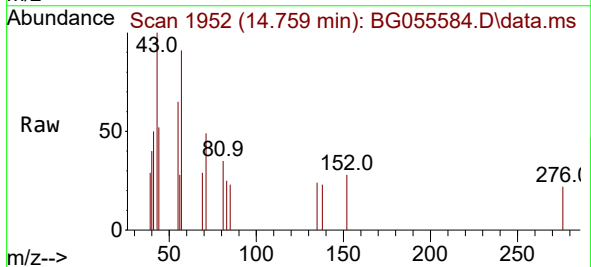
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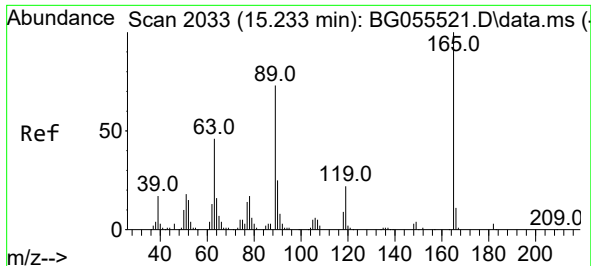
Tgt Ion:165 Resp: 30897
Ion Ratio Lower Upper
165 100
63 1.7 50.1 75.1#
89 1.4 46.5 69.7#



#53
3-Nitroaniline
Concen: 3.793 ng
RT: 14.759 min Scan# 1952
Delta R.T. -0.021 min
Lab File: BG055584.D
Acq: 12 Nov 2022 3:17

Tgt Ion:138 Resp: 55
Ion Ratio Lower Upper
138 100
108 0.0 11.7 17.5#
92 0.0 94.3 141.5#





#57

2,4-Dinitrotoluene

Concen: 10.784 ng

RT: 14.894 min Scan# 14

Delta R.T. -0.339 min

Lab File: BG055584.D

Acq: 12 Nov 2022 3:17

Instrument :

BNA_G

ClientSampleId :

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Tgt Ion:165 Resp: 30897

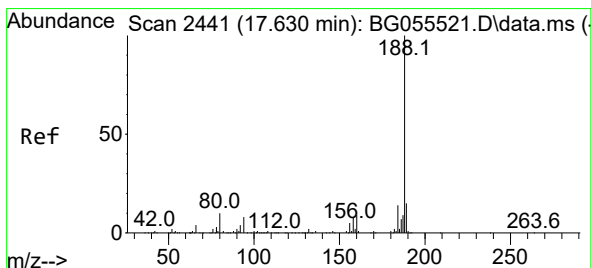
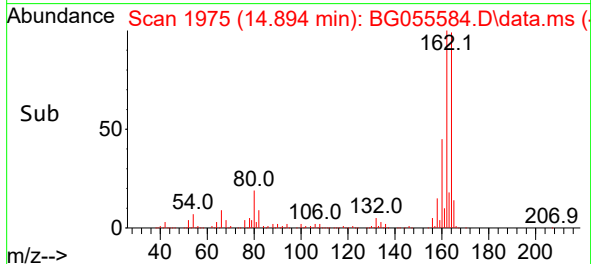
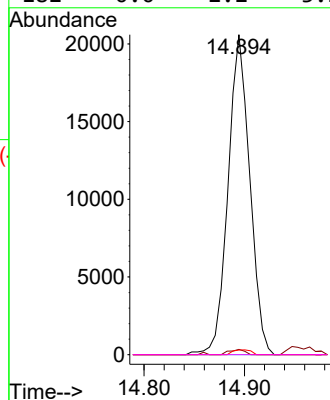
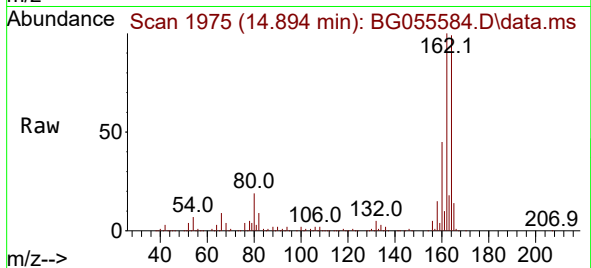
Ion Ratio Lower Upper

165 100

63 1.7 37.0 55.4#

89 1.4 58.6 87.8#

182 0.0 2.2 3.2#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.638 min Scan# 2442

Delta R.T. 0.008 min

Lab File: BG055584.D

Acq: 12 Nov 2022 3:17

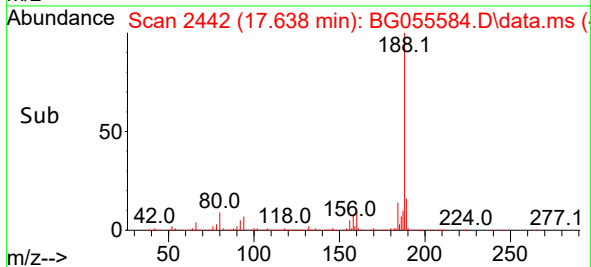
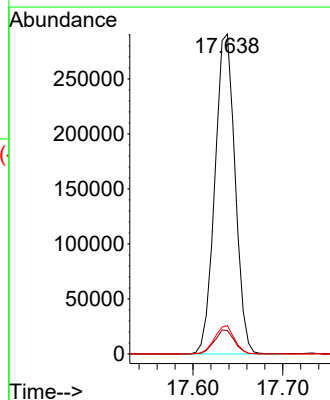
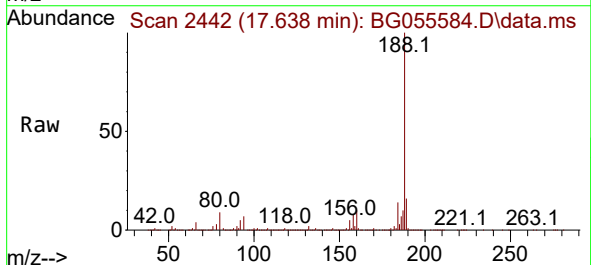
Tgt Ion:188 Resp: 454183

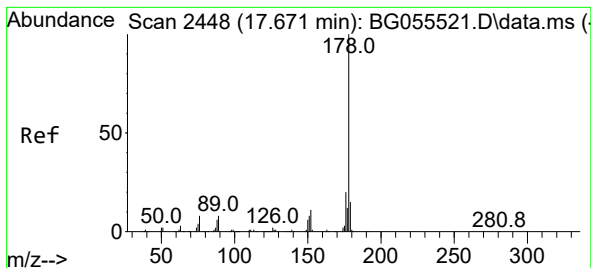
Ion Ratio Lower Upper

188 100

94 7.3 6.4 9.6

80 8.9 7.6 11.4





#71

Phenanthrene

Concen: 9.041 ng

RT: 17.679 min Scan# 24

Delta R.T. 0.008 min

Lab File: BG055584.D

Acq: 12 Nov 2022 3:17

Instrument :

BNA_G

ClientSampleId :

SB-27

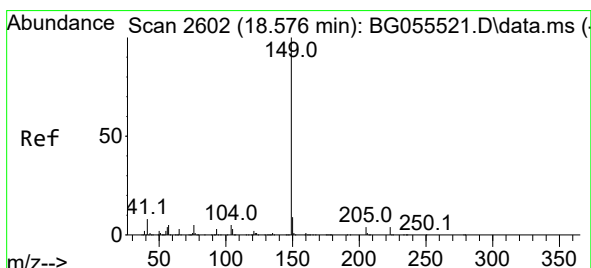
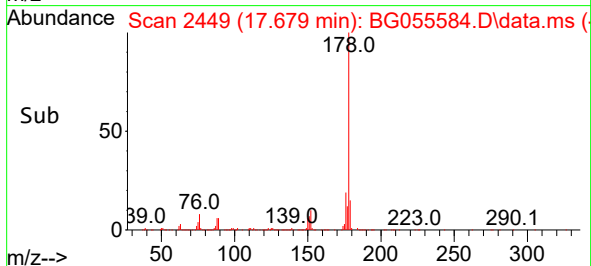
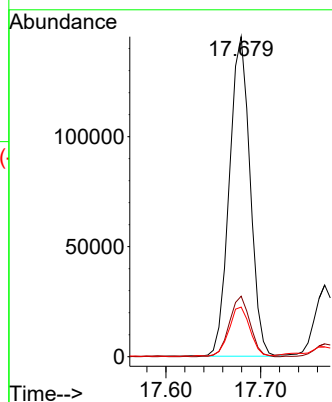
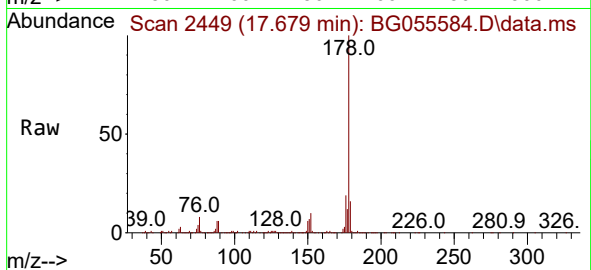
Tgt Ion:178 Resp: 220692

Ion Ratio Lower Upper

178 100

176 18.9 16.1 24.1

179 15.5 12.2 18.4



#74

Di-n-butylphthalate

Concen: 4.249 ng

RT: 18.573 min Scan# 2601

Delta R.T. -0.003 min

Lab File: BG055584.D

Acq: 12 Nov 2022 3:17

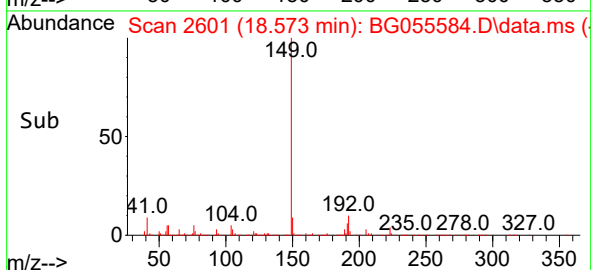
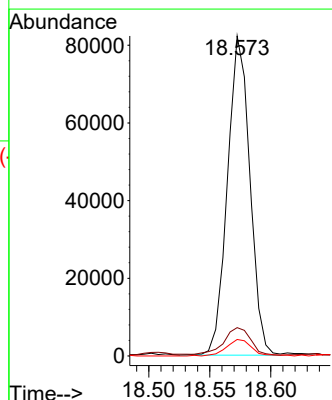
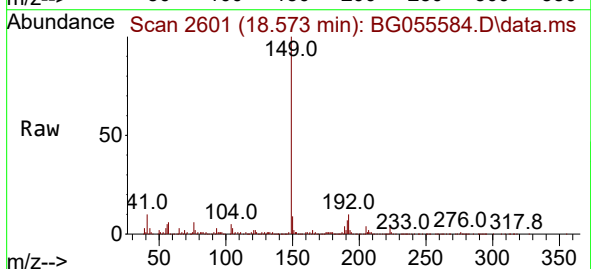
Tgt Ion:149 Resp: 105316

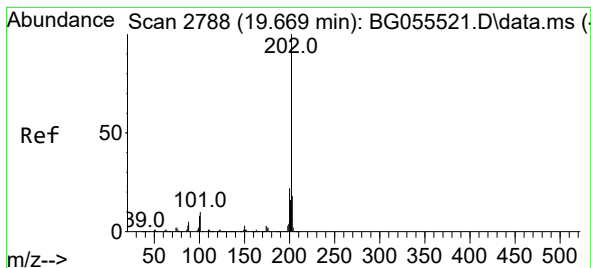
Ion Ratio Lower Upper

149 100

150 8.8 7.5 11.3

104 5.2 4.2 6.4





#75

Fluoranthene

Concen: 13.316 ng

RT: 19.671 min Scan# 21

Delta R.T. 0.002 min

Lab File: BG055584.D

Acq: 12 Nov 2022 3:17

Instrument :

BNA_G

ClientSampleId :

SB-27

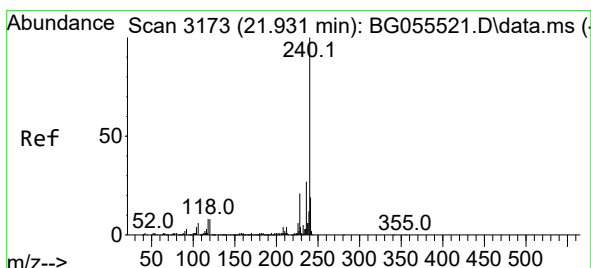
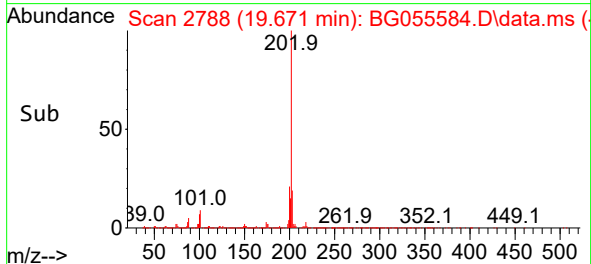
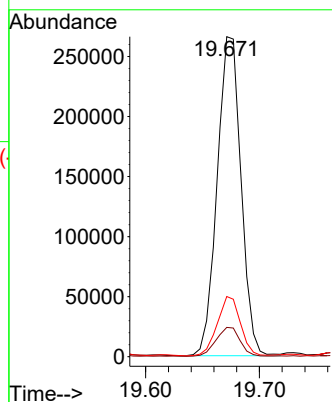
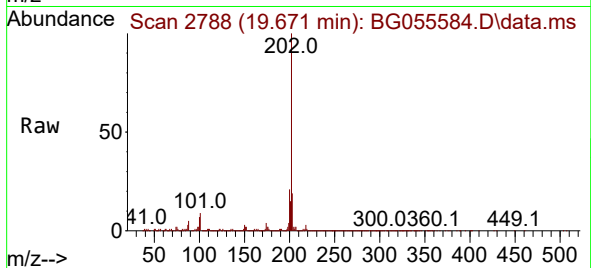
Tgt Ion:202 Resp: 387600

Ion Ratio Lower Upper

202 100

101 9.1 0.0 29.8

203 18.8 0.0 38.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.939 min Scan# 3174

Delta R.T. 0.008 min

Lab File: BG055584.D

Acq: 12 Nov 2022 3:17

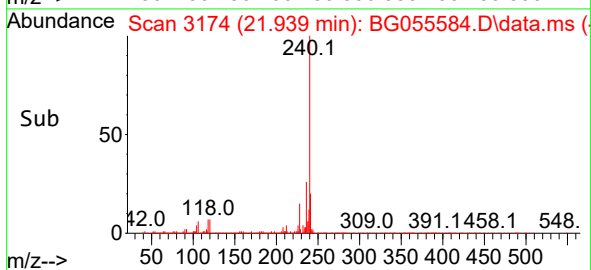
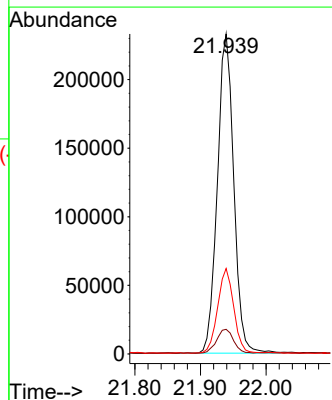
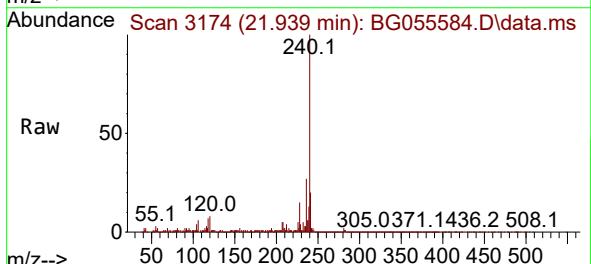
Tgt Ion:240 Resp: 402431

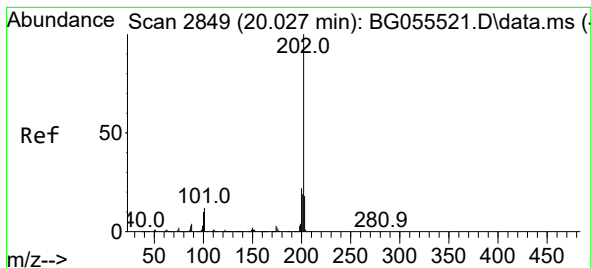
Ion Ratio Lower Upper

240 100

120 7.7 6.1 9.1

236 26.7 21.4 32.0





#78

Pyrene

Concen: 18.168 ng

RT: 20.035 min Scan# 2849

Delta R.T. 0.008 min

Lab File: BG055584.D

Acq: 12 Nov 2022 3:17

Instrument :

BNA_G

ClientSampleId :

SB-27

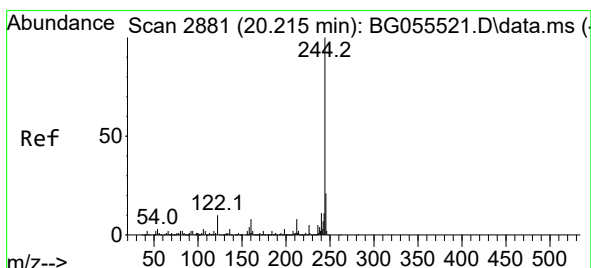
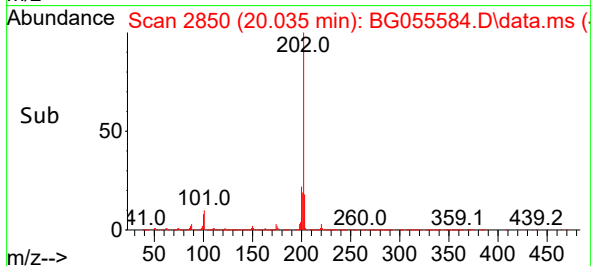
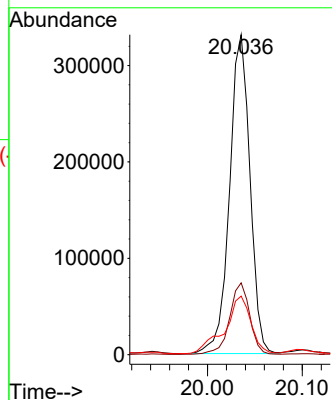
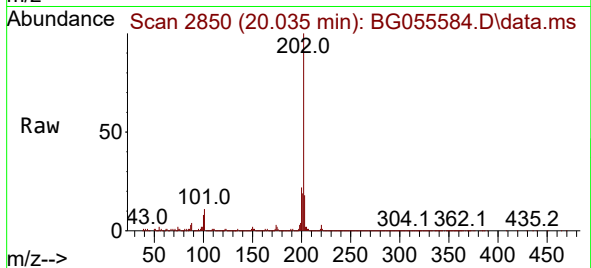
Tgt Ion:202 Resp: 494835

Ion Ratio Lower Upper

202 100

200 22.5 18.0 27.0

203 18.3 14.2 21.2



#79

Terphenyl-d14

Concen: 17.529 ng

RT: 20.218 min Scan# 2881

Delta R.T. 0.003 min

Lab File: BG055584.D

Acq: 12 Nov 2022 3:17

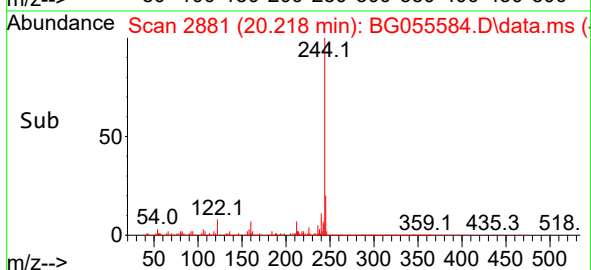
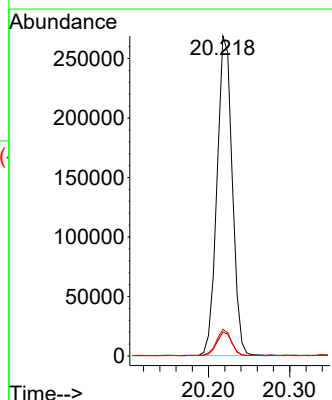
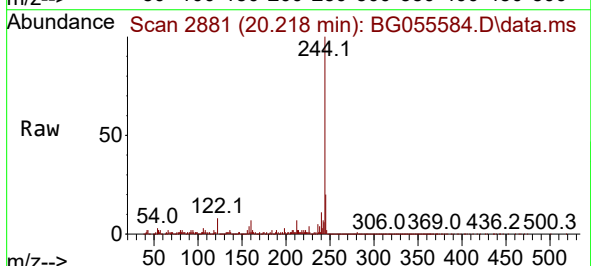
Tgt Ion:244 Resp: 351214

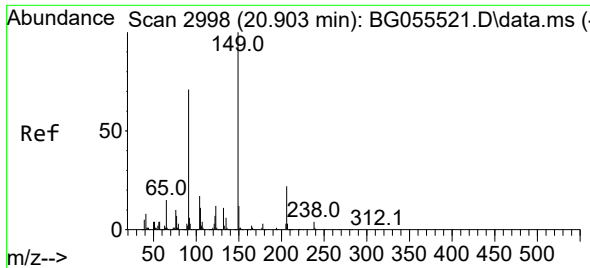
Ion Ratio Lower Upper

244 100

212 7.4 6.5 9.7

122 8.3 7.7 11.5

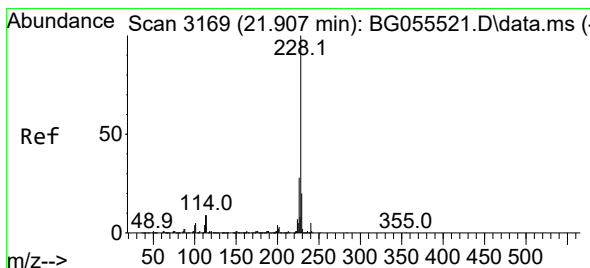
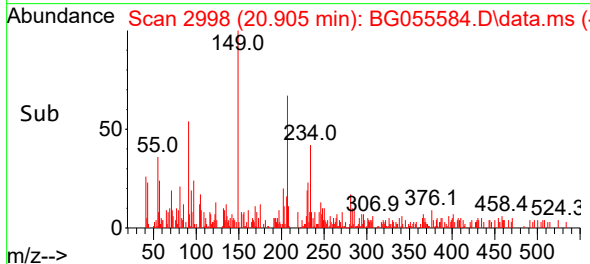
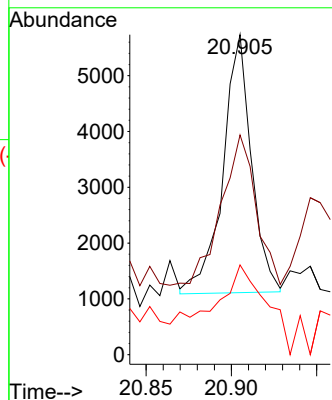
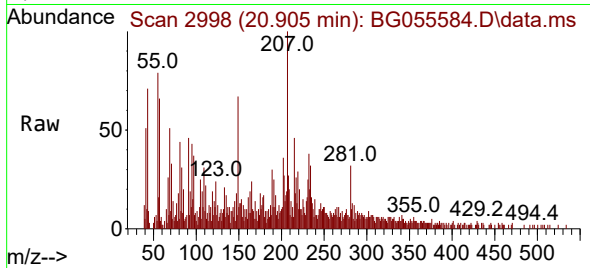




#80
Butylbenzylphthalate
Concen: 3.847 ng
RT: 20.905 min Scan# 2998
Delta R.T. 0.002 min
Lab File: BG055584.D
Acq: 12 Nov 2022 3:17

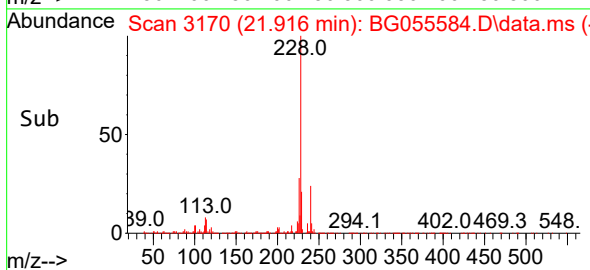
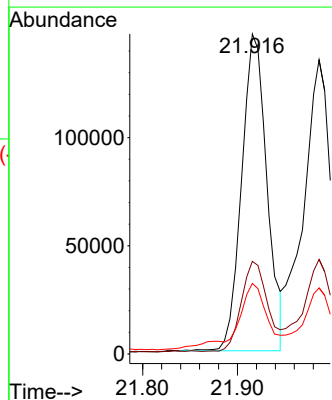
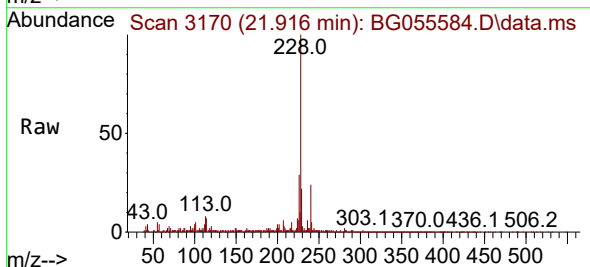
Instrument :
BNA_G
ClientSampleId :
SB-27

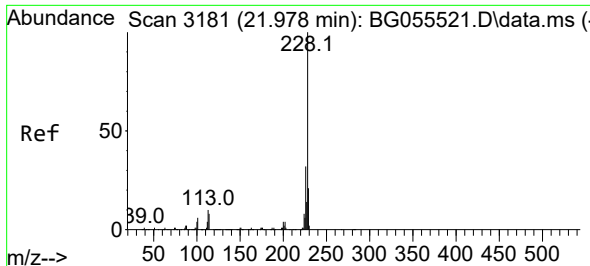
Tgt Ion:149 Resp: 5382
Ion Ratio Lower Upper
149 100
91 68.6 56.8 85.2
206 28.1 17.3 25.9#



#81
Benzo(a)anthracene
Concen: 9.843 ng
RT: 21.916 min Scan# 3170
Delta R.T. 0.009 min
Lab File: BG055584.D
Acq: 12 Nov 2022 3:17

Tgt Ion:228 Resp: 271311
Ion Ratio Lower Upper
228 100
226 29.0 22.6 34.0
229 22.1 16.1 24.1





#83

Chrysene

Concen: 10.621 ng

RT: 21.986 min Scan# 31

Delta R.T. 0.008 min

Lab File: BG055584.D

Acq: 12 Nov 2022 3:17

Instrument :

BNA_G

ClientSampleId :

SB-27

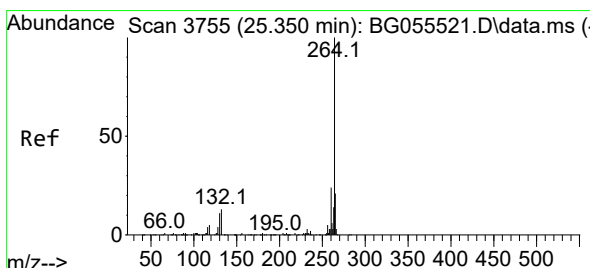
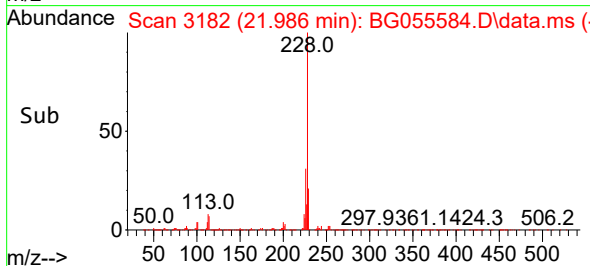
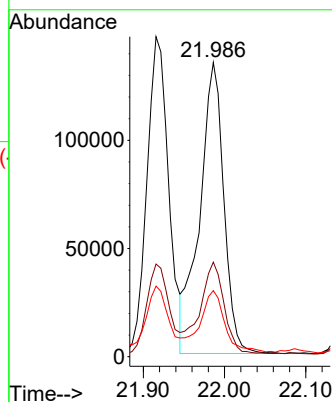
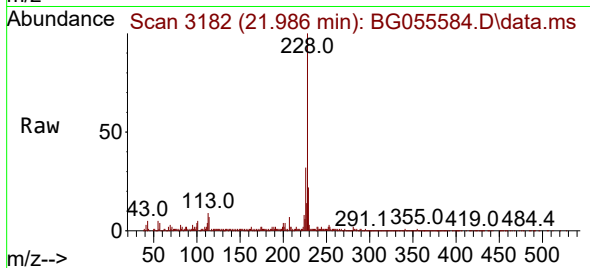
Tgt Ion:228 Resp: 278383

Ion Ratio Lower Upper

228 100

226 32.2 25.7 38.5

229 22.5 16.6 25.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.376 min Scan# 3759

Delta R.T. 0.026 min

Lab File: BG055584.D

Acq: 12 Nov 2022 3:17

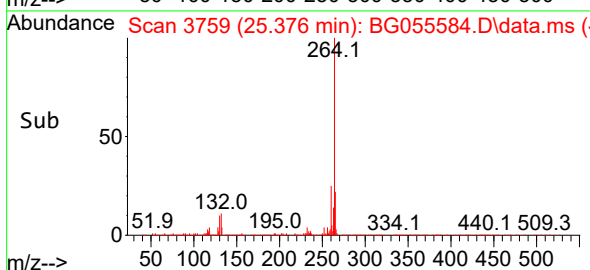
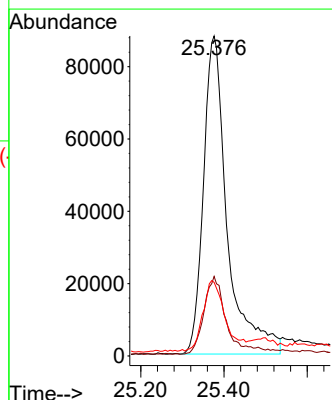
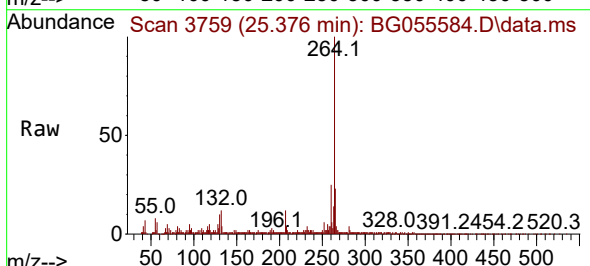
Tgt Ion:264 Resp: 350188

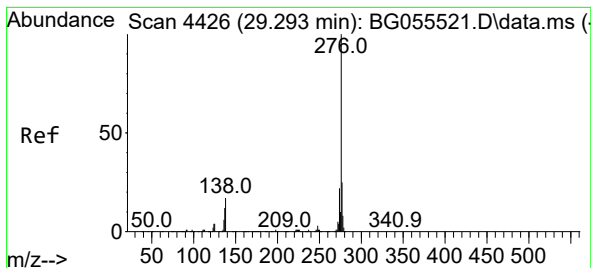
Ion Ratio Lower Upper

264 100

260 24.9 19.4 29.2

265 23.0 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.610 ng

RT: 29.319 min Scan# 4426

Delta R.T. 0.026 min

Lab File: BG055584.D

Acq: 12 Nov 2022 3:17

Instrument :

BNA_G

ClientSampleId :

SB-27

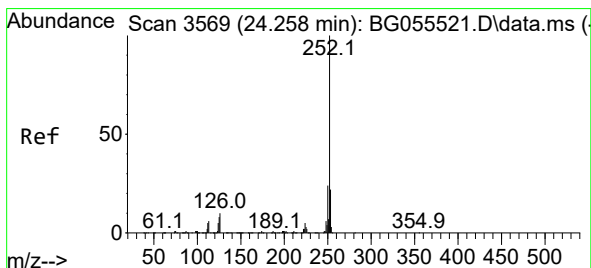
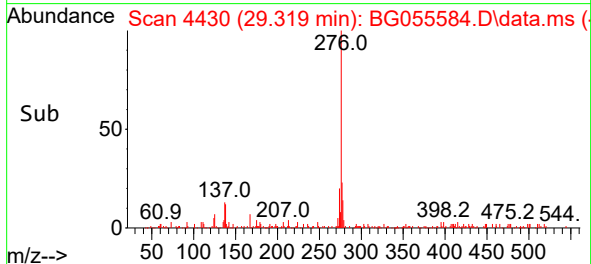
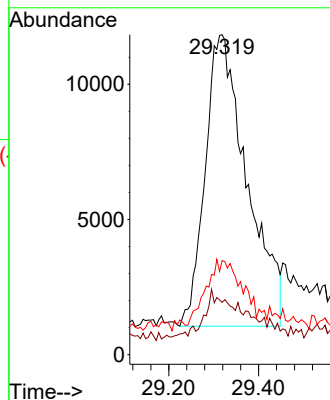
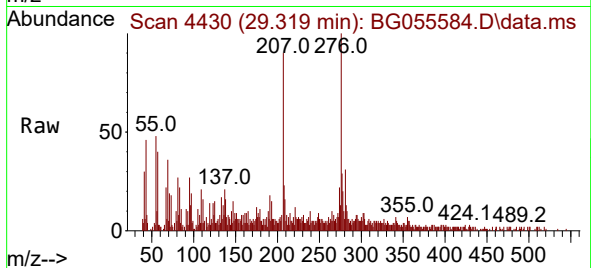
Tgt Ion:276 Resp: 69624

Ion Ratio Lower Upper

276 100

138 0.0 11.5 17.3#

277 19.8 20.4 30.6#



#88

Benzo(b)fluoranthene

Concen: 10.271 ng

RT: 24.278 min Scan# 3572

Delta R.T. 0.020 min

Lab File: BG055584.D

Acq: 12 Nov 2022 3:17

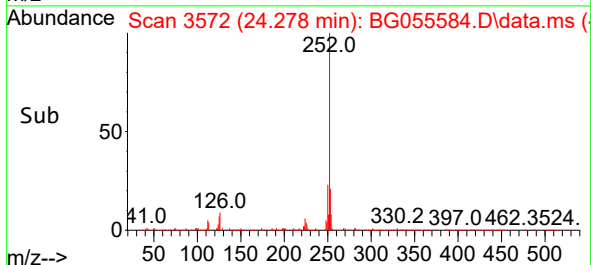
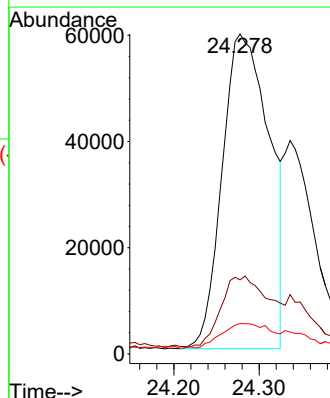
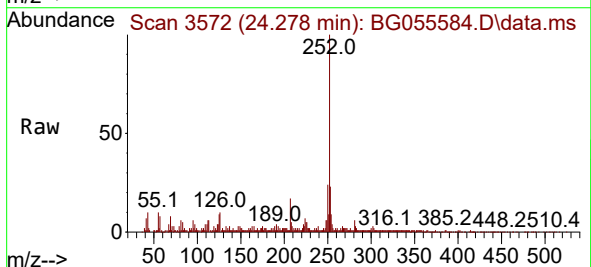
Tgt Ion:252 Resp: 227902

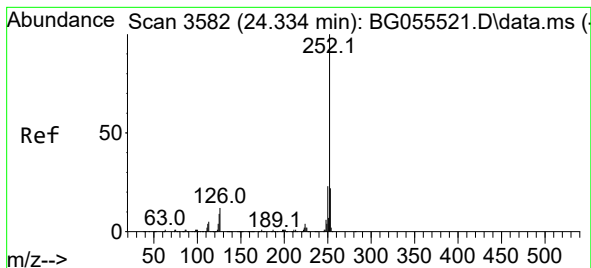
Ion Ratio Lower Upper

252 100

253 23.2 17.9 26.9

125 9.5 6.7 10.1





#89

Benzo(k)fluoranthene

Concen: 10.047 ng

RT: 24.278 min Scan# 3

Delta R.T. -0.056 min

Lab File: BG055584.D

Acq: 12 Nov 2022 3:17

Instrument :

BNA_G

ClientSampleId :

SB-27

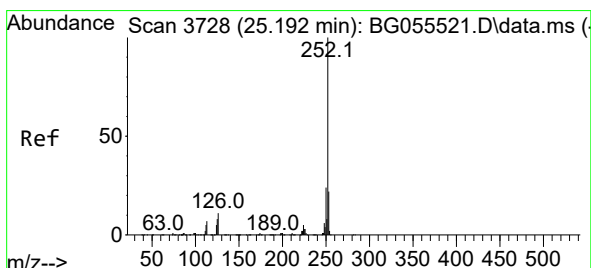
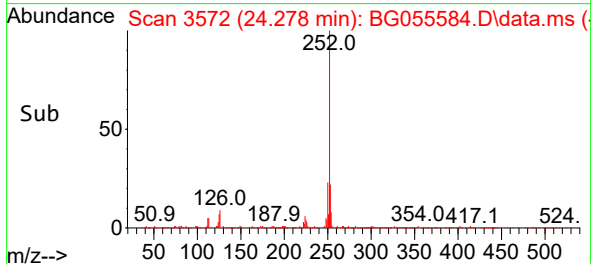
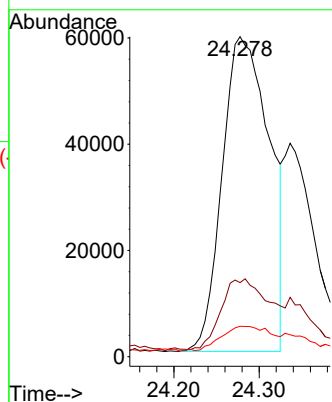
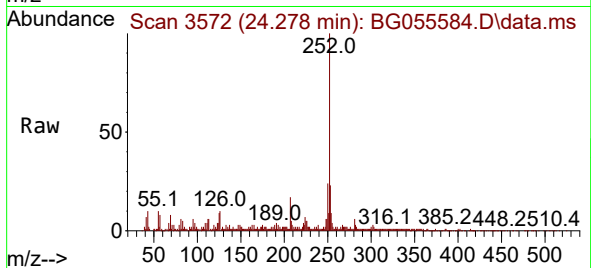
Tgt Ion:252 Resp: 227902

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.8

125 9.5 6.9 10.3



#90

Benzo(a)pyrene

Concen: 9.669 ng

RT: 25.206 min Scan# 3730

Delta R.T. 0.014 min

Lab File: BG055584.D

Acq: 12 Nov 2022 3:17

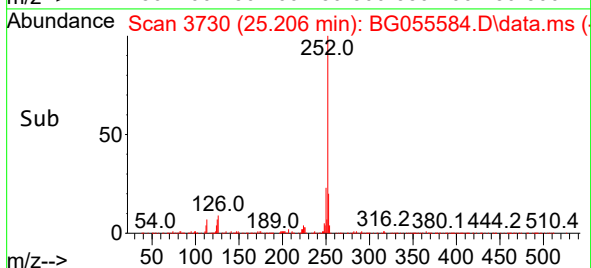
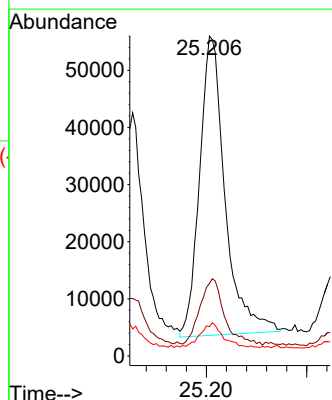
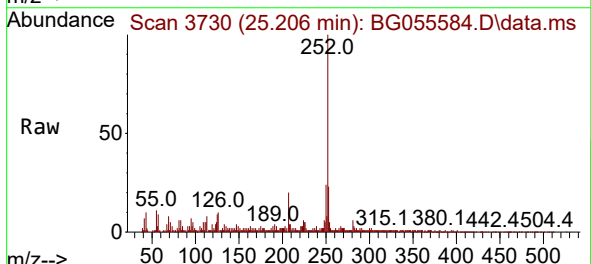
Tgt Ion:252 Resp: 184796

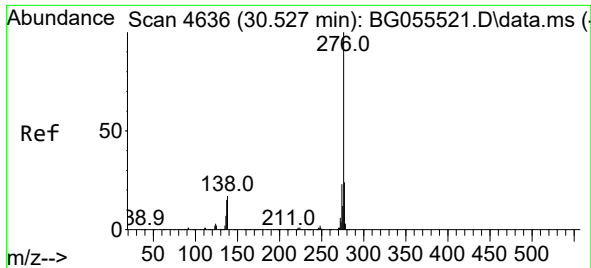
Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.6

125 9.1 6.7 10.1





#92
 Benzo(g,h,i)perylene
 Concen: 3.158 ng
 RT: 30.558 min Scan# 4
 Delta R.T. 0.031 min
 Lab File: BG055584.D
 Acq: 12 Nov 2022 3:17

Instrument :
 BNA_G
 ClientSampleId :
 SB-27

Tgt Ion:	276	Resp:	68157
Ion Ratio	Lower	Upper	
276	100		
277	28.2	19.3	28.9
138	16.3	13.9	20.9

