

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111122\
 Data File : BG055576.D
 Acq On : 11 Nov 2022 21:35
 Operator : CG/JU
 Sample : N5531-17
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-26

Quant Time: Nov 12 00:54:57 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

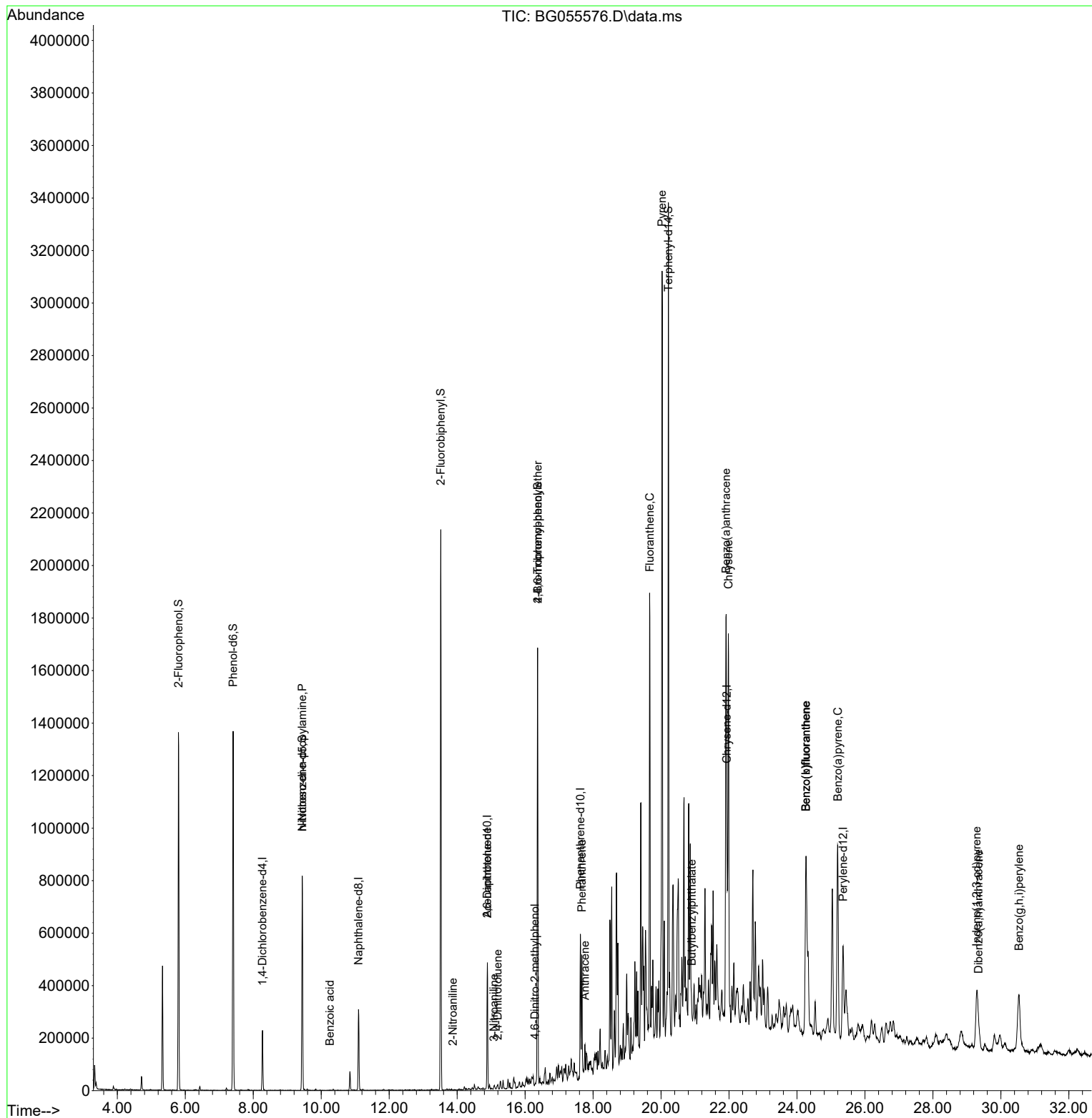
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.272	152	63849	20.000	ng	0.00
21) Naphthalene-d8	11.098	136	257362	20.000	ng	0.00
39) Acenaphthene-d10	14.888	164	171826	20.000	ng	0.00
64) Phenanthrene-d10	17.626	188	353158	20.000	ng	0.00
76) Chrysene-d12	21.933	240	318932	20.000	ng	0.00
86) Perylene-d12	25.358	264	352641	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.798	112	569551	169.907	ng	0.00
7) Phenol-d6	7.408	99	749178	161.795	ng	0.00
23) Nitrobenzene-d5	9.441	82	477865	125.875	ng	0.00
42) 2,4,6-Tribromophenol	16.368	330	329098	196.299	ng	0.00
45) 2-Fluorobiphenyl	13.519	172	1079564	94.771	ng	0.00
79) Terphenyl-d14	20.217	244	1485739	93.568	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.441	70	66107	17.275	ng	# 76
32) Benzoic acid	10.258	122	61	4.338	ng	# 82
48) 2-Nitroaniline	13.877	65	60	3.809	ng	# 8
51) 2,6-Dinitrotoluene	14.888	165	23056	12.538	ng	# 22
53) 3-Nitroaniline	15.082	138	131	3.823	ng	# 1
57) 2,4-Dinitrotoluene	15.193	165	1247	4.003	ng	# 45
65) 4,6-Dinitro-2-methylph...	16.286	198	147	2.056	ng	# 17
67) 4-Bromophenyl-phenylether	16.368	248	21338	5.923	ng	# 1
71) Phenanthrene	17.673	178	307422	16.197	ng	99
72) Anthracene	17.761	178	80141	4.309	ng	97
75) Fluoranthene	19.670	202	1024660	45.271	ng	99
78) Pyrene	20.029	202	1846756	85.557	ng	94
80) Butylbenzylphthalate	20.904	149	1144	3.494	ng	# 48
81) Benzo(a)anthracene	21.909	228	1100961	50.397	ng	97
83) Chrysene	21.980	228	1112800	53.570	ng	99
87) Indeno(1,2,3-cd)pyrene	29.289	276	455125	16.945	ng	98
88) Benzo(b)fluoranthene	24.265	252	935524	41.870	ng	99
89) Benzo(k)fluoranthene	24.265	252	935524	40.955	ng	99
90) Benzo(a)pyrene	25.199	252	904437	46.991	ng	99
91) Dibenzo(a,h)anthracene	29.342	278	132608	5.965	ng	95
92) Benzo(g,h,i)perylene	30.534	276	560821	25.804	ng	98

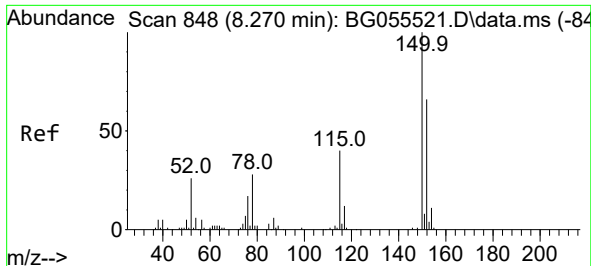
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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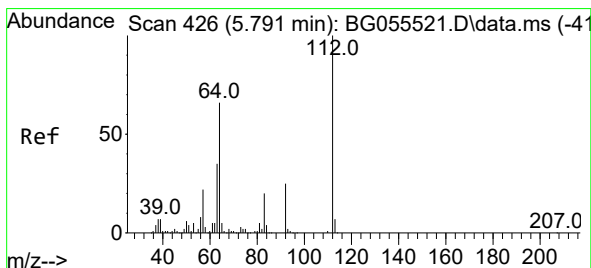
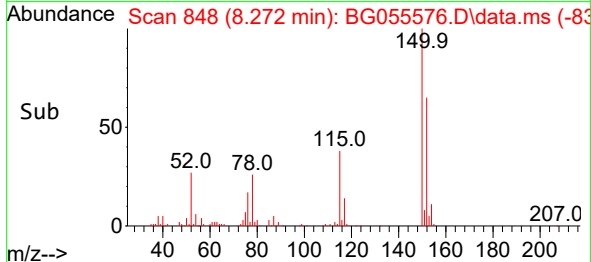
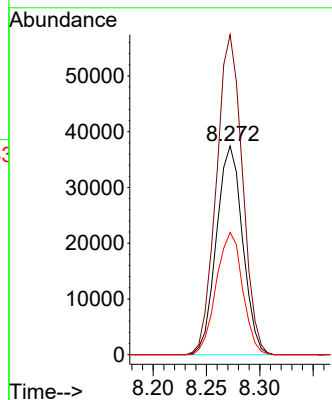
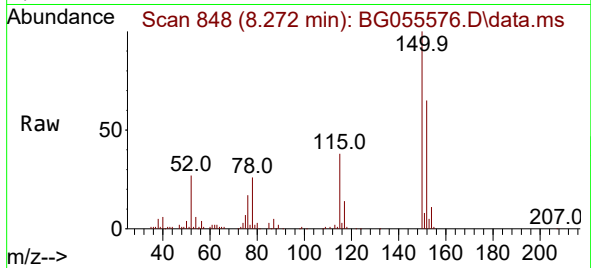




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.272 min Scan# 84
 Delta R.T. 0.002 min
 Lab File: BG055576.D
 Acq: 11 Nov 2022 21:35

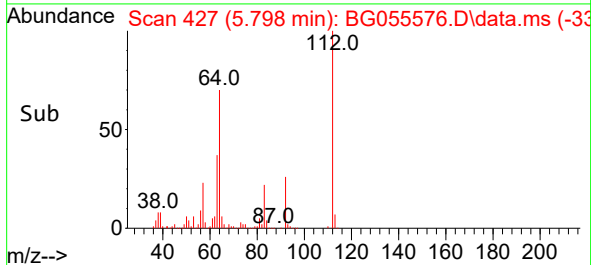
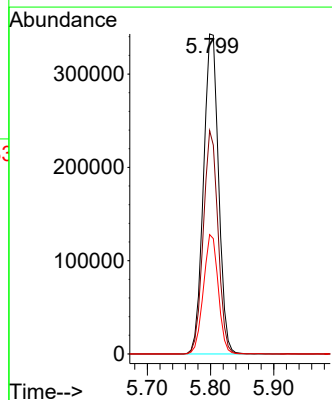
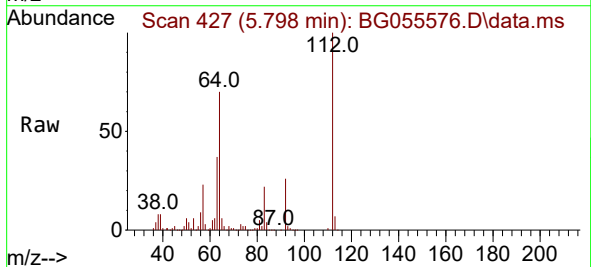
Instrument :
 BNA_G
 ClientSampleId :
 SB-26

Tgt Ion:152 Resp: 63849
 Ion Ratio Lower Upper
 152 100
 150 153.3 121.0 181.4
 115 58.6 47.8 71.8



#5
 2-Fluorophenol
 Concen: 169.907 ng
 RT: 5.798 min Scan# 427
 Delta R.T. 0.007 min
 Lab File: BG055576.D
 Acq: 11 Nov 2022 21:35

Tgt Ion:112 Resp: 569551
 Ion Ratio Lower Upper
 112 100
 64 69.8 52.6 78.8
 63 37.3 28.3 42.5

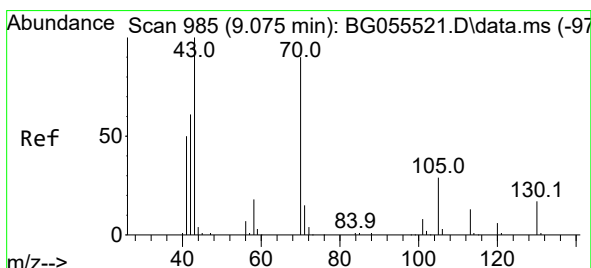
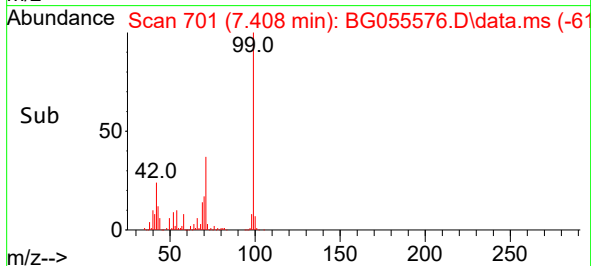
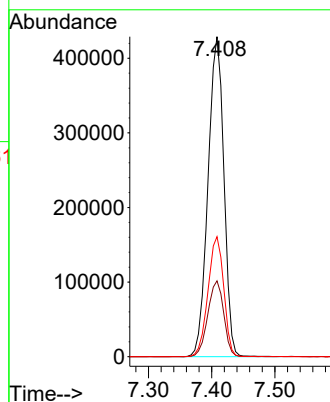
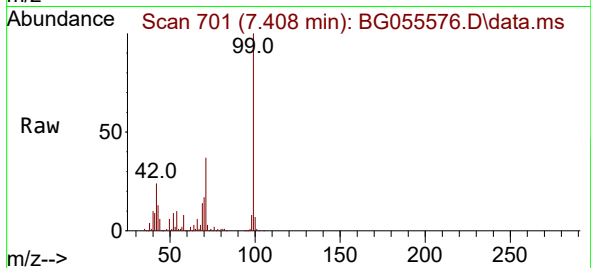




#7
Phenol-d6
Concen: 161.795 ng
RT: 7.408 min Scan# 700
Delta R.T. 0.007 min
Lab File: BG055576.D
Acq: 11 Nov 2022 21:35

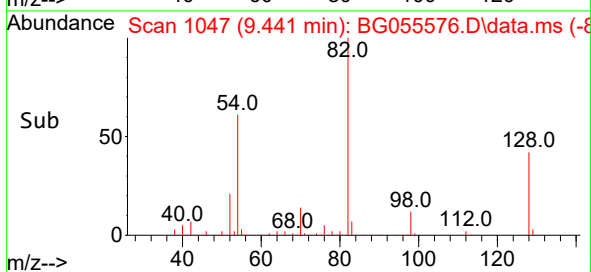
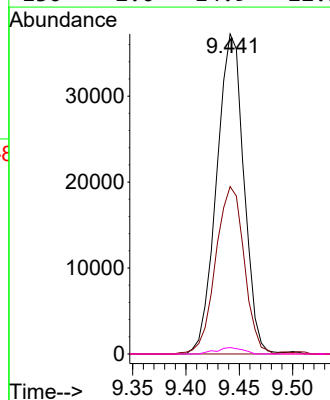
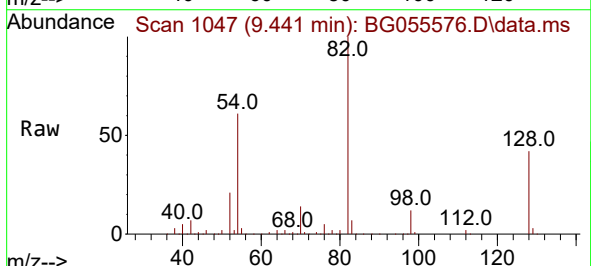
Instrument :
BNA_G
ClientSampleId :
SB-26

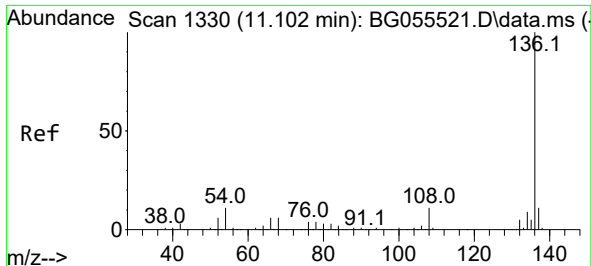
Tgt Ion: 99 Resp: 749178
Ion Ratio Lower Upper
99 100
42 23.7 17.5 26.3
71 37.5 28.3 42.5



#19
n-Nitroso-di-n-propylamine
Concen: 17.275 ng
RT: 9.441 min Scan# 1047
Delta R.T. 0.366 min
Lab File: BG055576.D
Acq: 11 Nov 2022 21:35

Tgt Ion: 70 Resp: 66107
Ion Ratio Lower Upper
70 100
42 52.3 54.8 82.2#
101 0.0 6.8 10.2#
130 2.0 14.9 22.3#

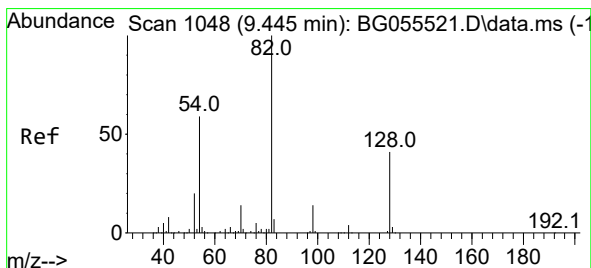
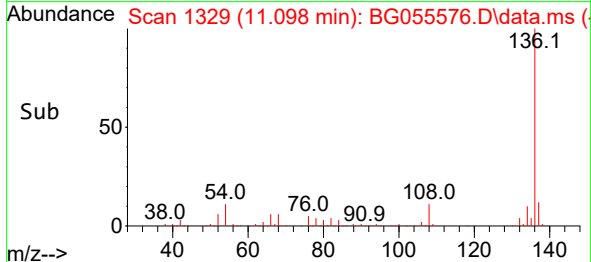
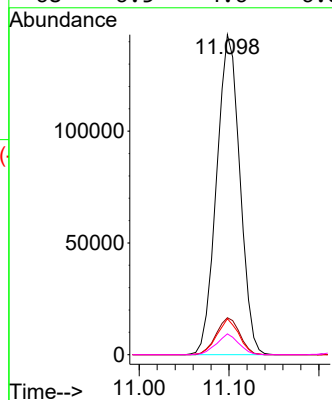
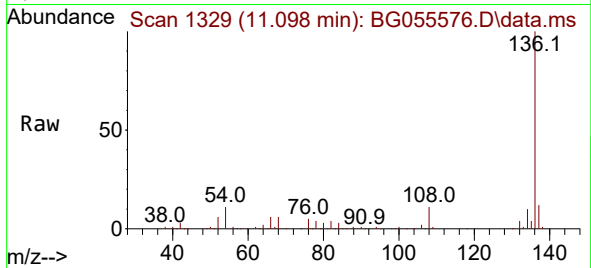




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.098 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG055576.D
Acq: 11 Nov 2022 21:35

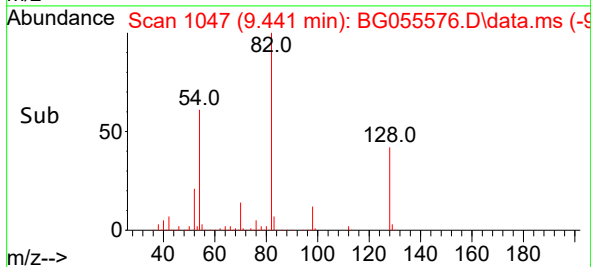
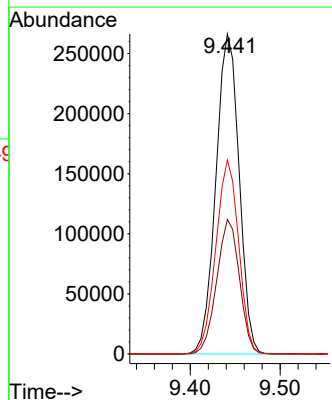
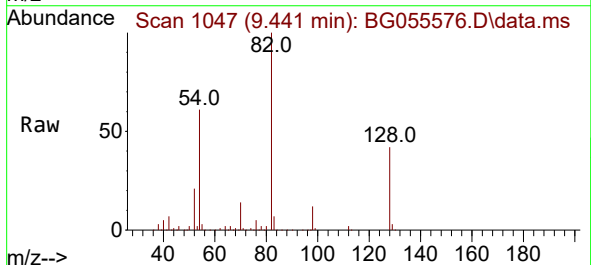
Instrument :
BNA_G
ClientSampleId :
SB-26

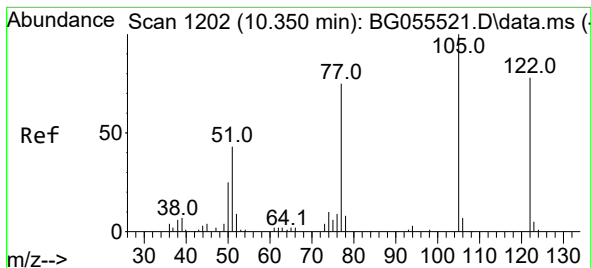
Tgt Ion:	136	Resp:	257362
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.6	12.8
54	11.3	8.6	12.8
68	6.5	4.6	6.8



#23
Nitrobenzene-d5
Concen: 125.875 ng
RT: 9.441 min Scan# 1047
Delta R.T. -0.004 min
Lab File: BG055576.D
Acq: 11 Nov 2022 21:35

Tgt Ion:	82	Resp:	477865
Ion	Ratio	Lower	Upper
82	100		
128	42.1	32.6	49.0
54	60.6	47.3	70.9





#32

Benzoic acid

Concen: 4.338 ng

RT: 10.258 min Scan# 1186

Delta R.T. -0.092 min

Lab File: BG055576.D

Acq: 11 Nov 2022 21:35

Instrument :

BNA_G

ClientSampleId :

SB-26

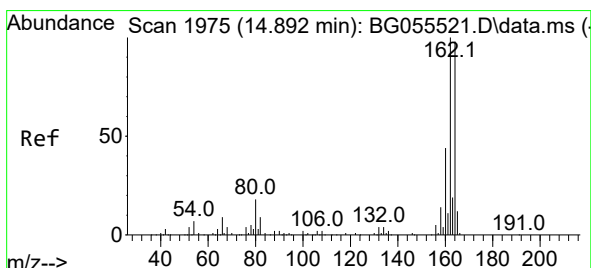
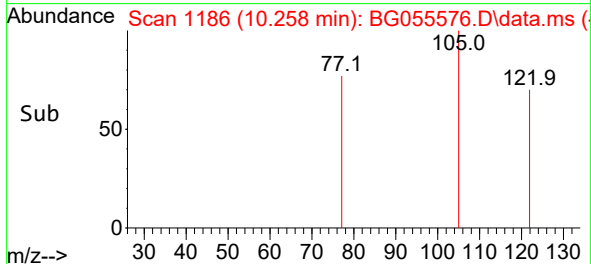
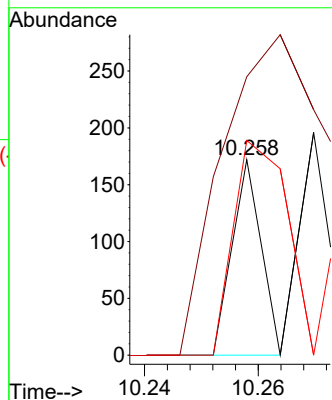
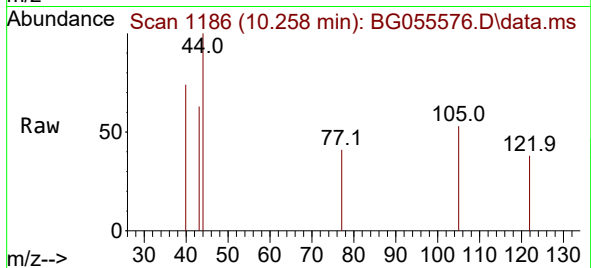
Tgt Ion:122 Resp: 61

Ion Ratio Lower Upper

122 100

105 142.4 101.2 141.2#

77 109.9 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: BG055576.D

Acq: 11 Nov 2022 21:35

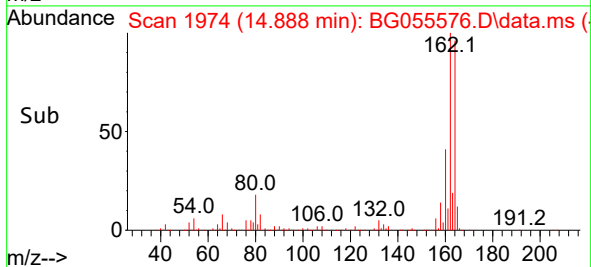
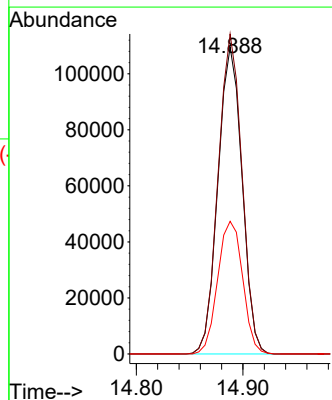
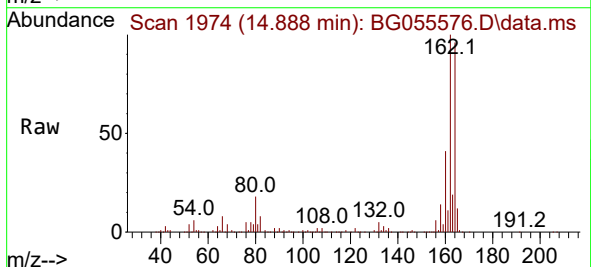
Tgt Ion:164 Resp: 171826

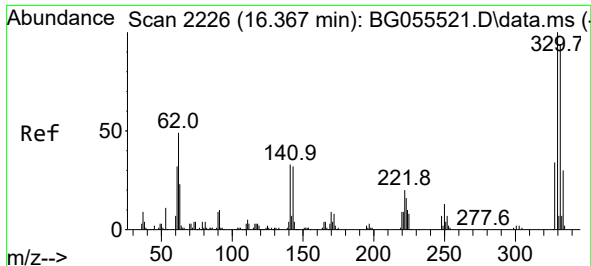
Ion Ratio Lower Upper

164 100

162 104.2 81.3 121.9

160 43.2 35.9 53.9

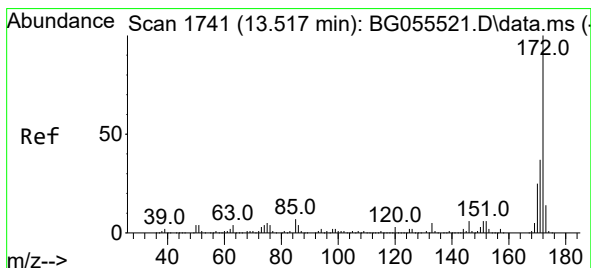
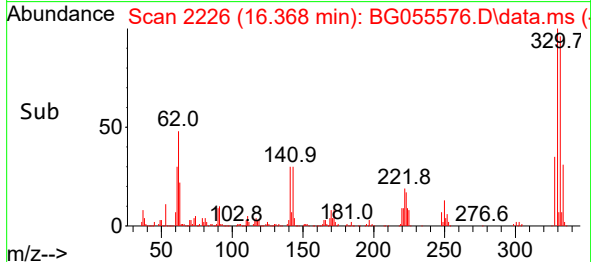
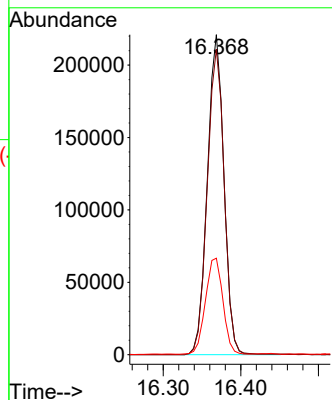
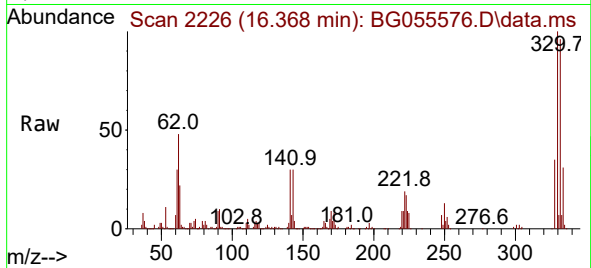




#42
2,4,6-Tribromophenol
Concen: 196.299 ng
RT: 16.368 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG055576.D
Acq: 11 Nov 2022 21:35

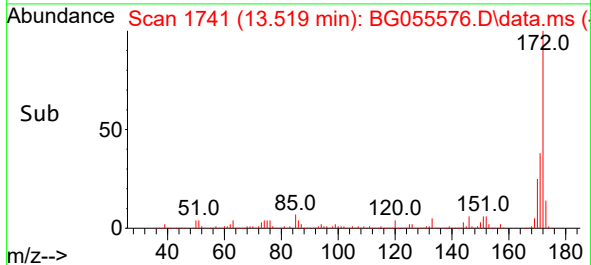
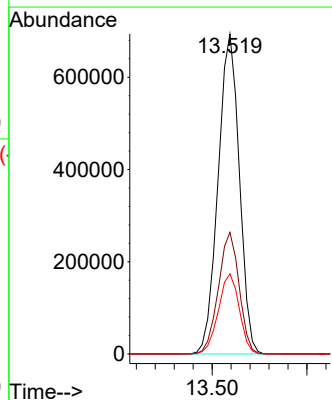
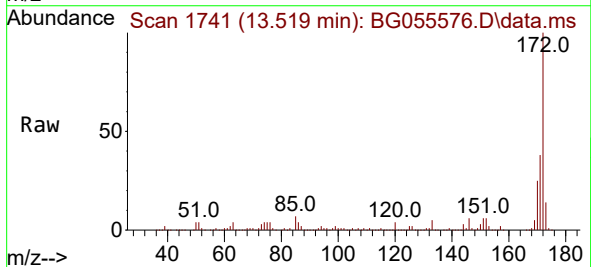
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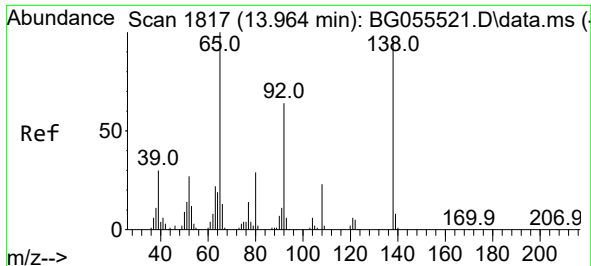
Tgt Ion:330 Resp: 329098
Ion Ratio Lower Upper
330 100
332 97.1 77.4 116.2
141 31.5 25.4 38.2



#45
2-Fluorobiphenyl
Concen: 94.771 ng
RT: 13.519 min Scan# 1741
Delta R.T. 0.002 min
Lab File: BG055576.D
Acq: 11 Nov 2022 21:35

Tgt Ion:172 Resp: 1079564
Ion Ratio Lower Upper
172 100
171 38.0 29.7 44.5
170 25.0 19.8 29.6

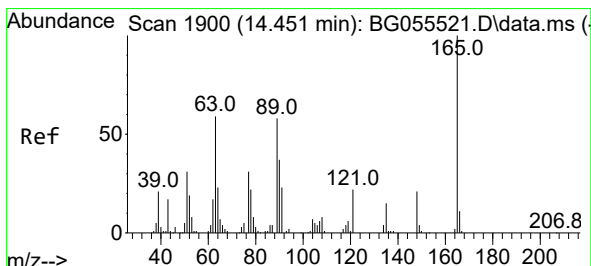
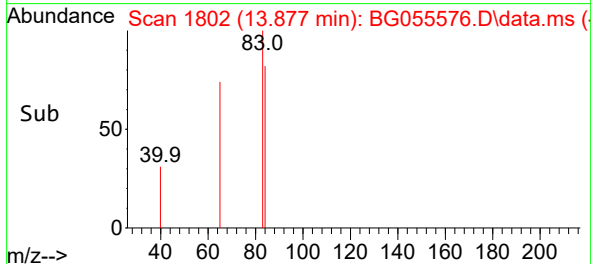
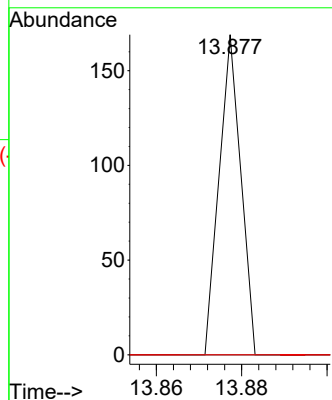
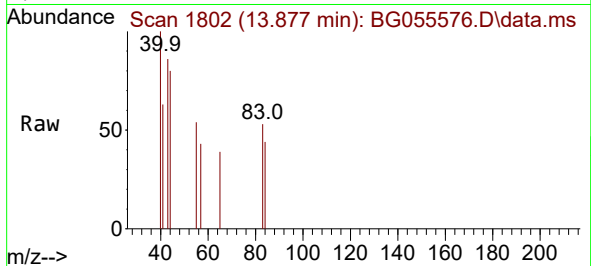




#48
2-Nitroaniline
Concen: 3.809 ng
RT: 13.877 min Scan# 11
Delta R.T. -0.087 min
Lab File: BG055576.D
Acq: 11 Nov 2022 21:35

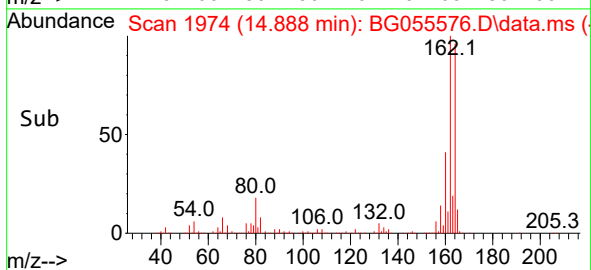
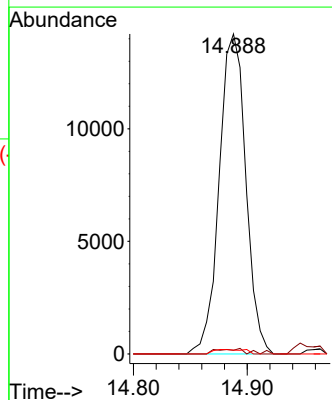
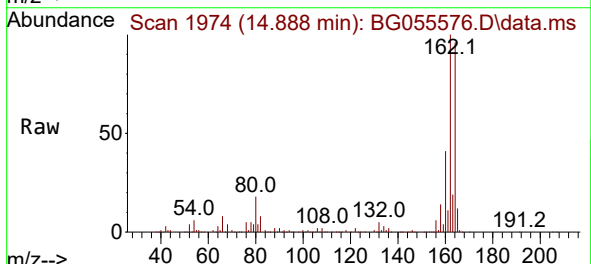
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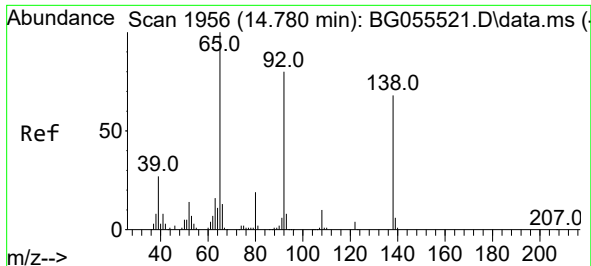
Tgt Ion: 65 Resp: 60
Ion Ratio Lower Upper
65 100
92 0.0 51.6 77.4#
138 0.0 77.0 115.4#



#51
2,6-Dinitrotoluene
Concen: 12.538 ng
RT: 14.888 min Scan# 1974
Delta R.T. 0.437 min
Lab File: BG055576.D
Acq: 11 Nov 2022 21:35

Tgt Ion:165 Resp: 23056
Ion Ratio Lower Upper
165 100
63 1.1 50.1 75.1#
89 1.2 46.5 69.7#

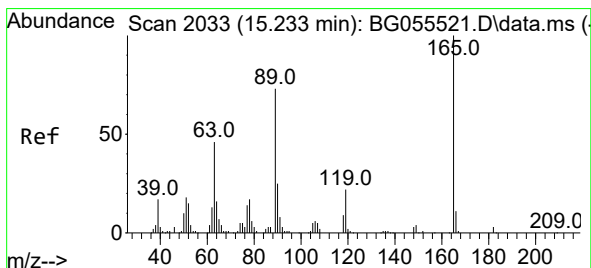
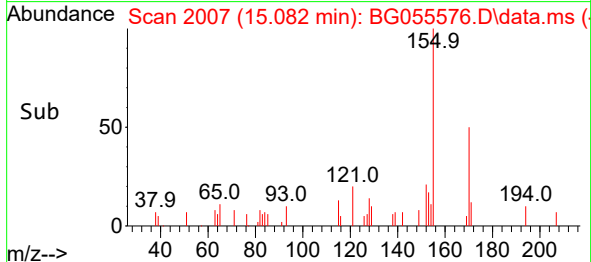
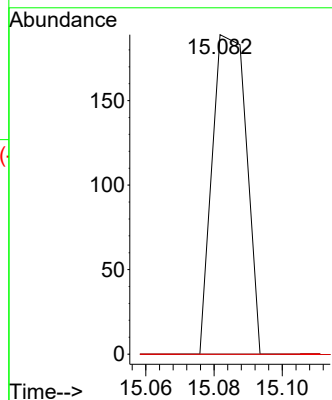
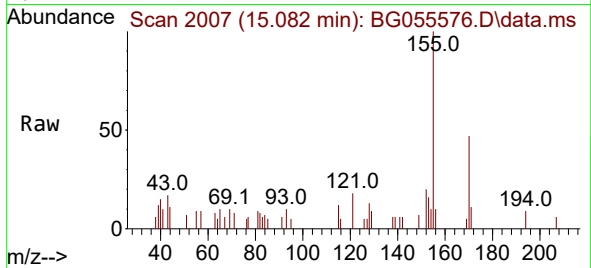




#53
3-Nitroaniline
Concen: 3.823 ng
RT: 15.082 min Scan# 207
Delta R.T. 0.302 min
Lab File: BG055576.D
Acq: 11 Nov 2022 21:35

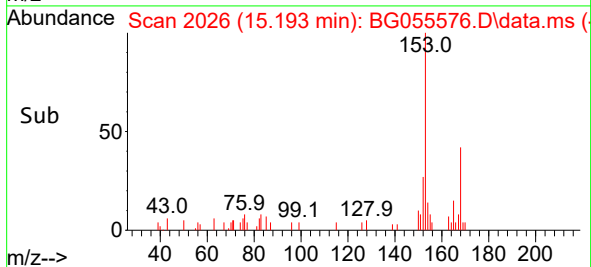
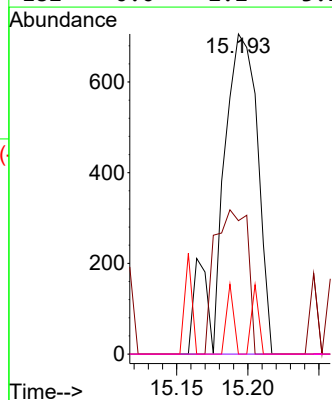
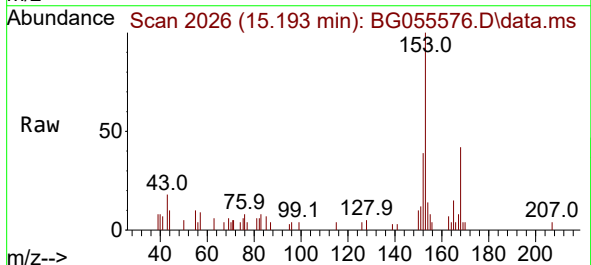
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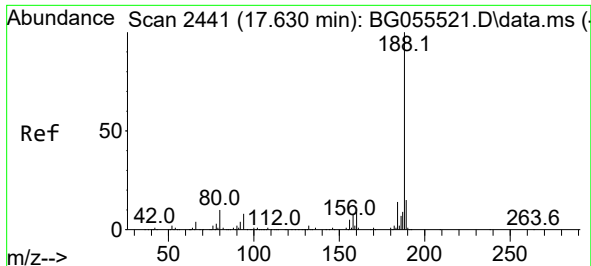
Tgt Ion:138 Resp: 131
Ion Ratio Lower Upper
138 100
108 0.0 11.7 17.5#
92 0.0 94.3 141.5#



#57
2,4-Dinitrotoluene
Concen: 4.003 ng
RT: 15.193 min Scan# 2026
Delta R.T. -0.040 min
Lab File: BG055576.D
Acq: 11 Nov 2022 21:35

Tgt Ion:165 Resp: 1247
Ion Ratio Lower Upper
165 100
63 41.6 37.0 55.4
89 0.0 58.6 87.8#
182 0.0 2.2 3.2#

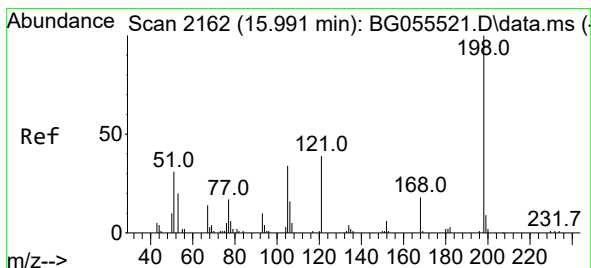
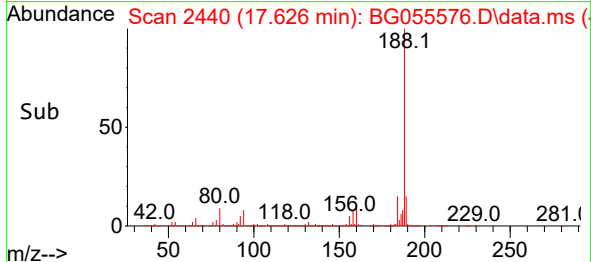
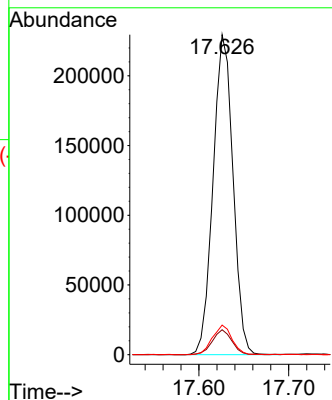
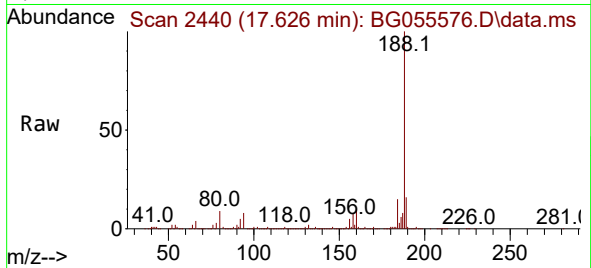




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.626 min Scan# 2441
Delta R.T. -0.004 min
Lab File: BG055576.D
Acq: 11 Nov 2022 21:35

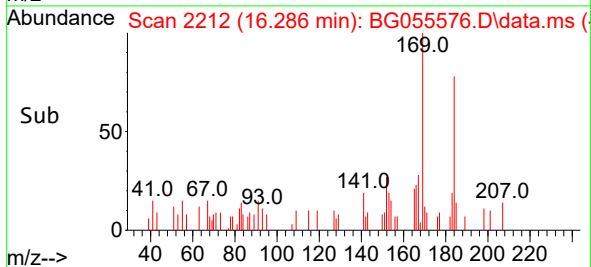
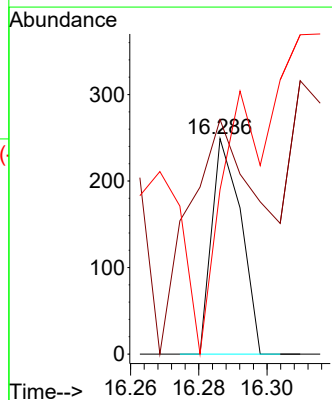
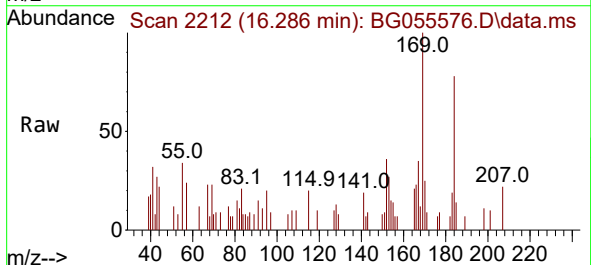
Instrument :
BNA_G
ClientSampleId :
SB-26

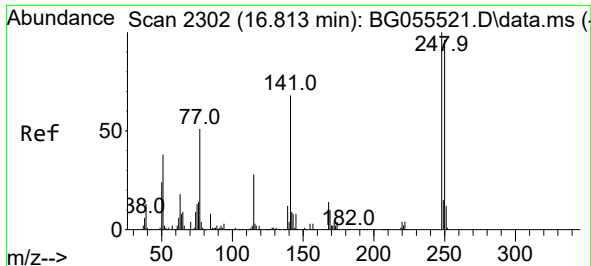
Tgt Ion:188 Resp: 353158
Ion Ratio Lower Upper
188 100
94 7.8 6.4 9.6
80 9.2 7.6 11.4



#65
4,6-Dinitro-2-methylphenol
Concen: 2.056 ng
RT: 16.286 min Scan# 2212
Delta R.T. 0.295 min
Lab File: BG055576.D
Acq: 11 Nov 2022 21:35

Tgt Ion:198 Resp: 147
Ion Ratio Lower Upper
198 100
51 108.8 24.7 64.7#
105 76.3 17.6 57.6#

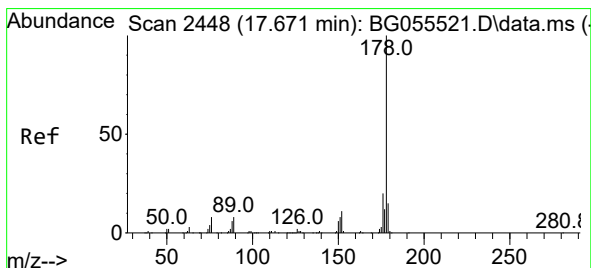
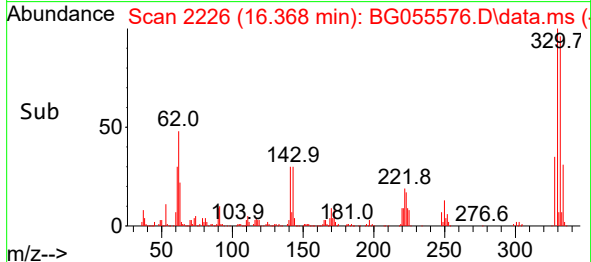
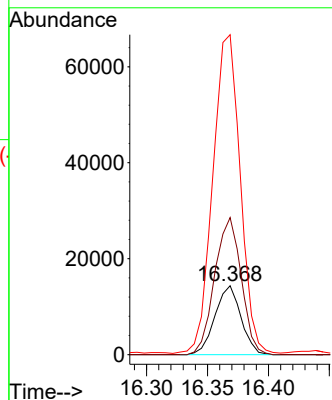
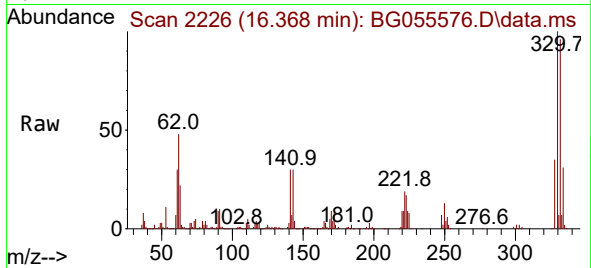




#67
4-Bromophenyl-phenylether
Concen: 5.923 ng
RT: 16.368 min Scan# 21
Delta R.T. -0.445 min
Lab File: BG055576.D
Acq: 11 Nov 2022 21:35

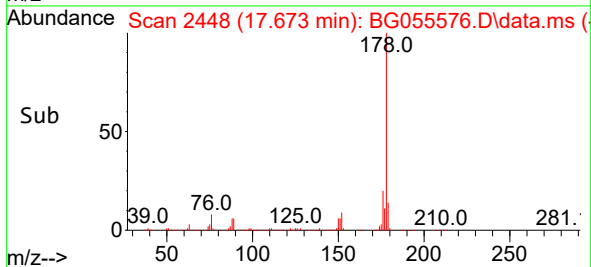
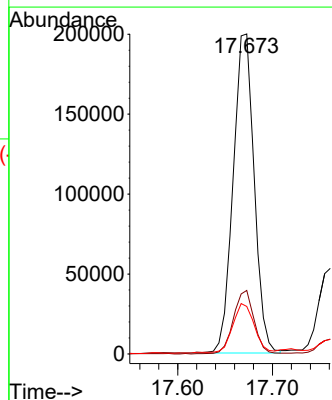
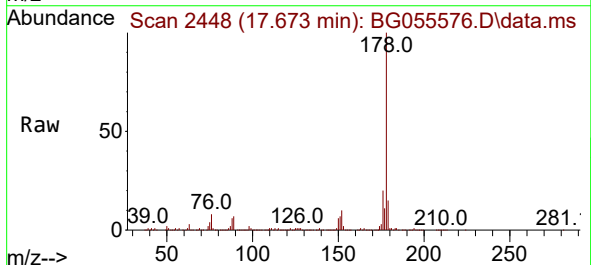
Instrument :
BNA_G
ClientSampleId :
SB-26

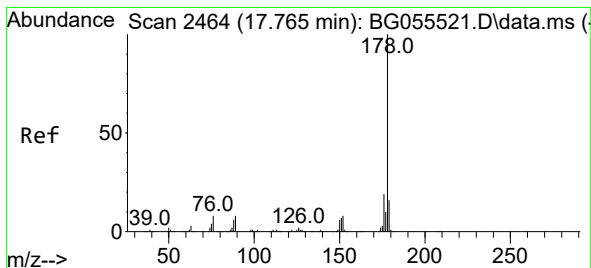
Tgt Ion:248 Resp: 21338
Ion Ratio Lower Upper
248 100
250 198.6 76.9 115.3#
141 463.5 54.3 81.5#



#71
Phenanthrene
Concen: 16.197 ng
RT: 17.673 min Scan# 2448
Delta R.T. 0.002 min
Lab File: BG055576.D
Acq: 11 Nov 2022 21:35

Tgt Ion:178 Resp: 307422
Ion Ratio Lower Upper
178 100
176 19.9 16.1 24.1
179 14.9 12.2 18.4





#72

Anthracene

Concen: 4.309 ng

RT: 17.761 min Scan# 2464

Delta R.T. -0.004 min

Lab File: BG055576.D

Acq: 11 Nov 2022 21:35

Instrument :

BNA_G

ClientSampleId :

SB-26

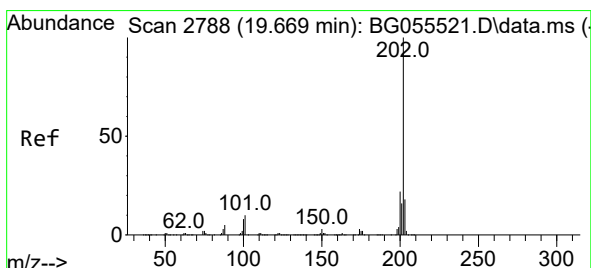
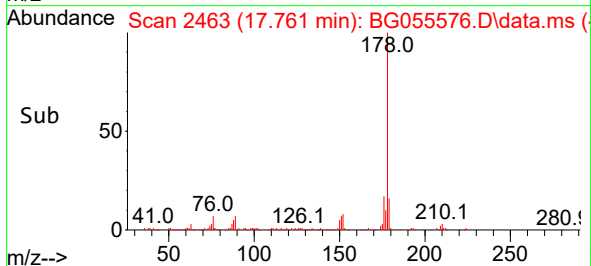
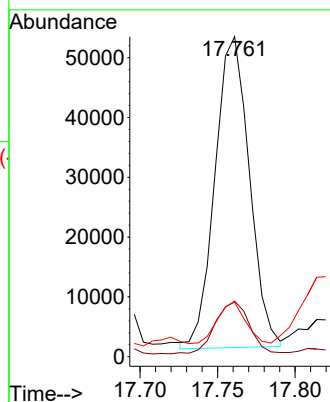
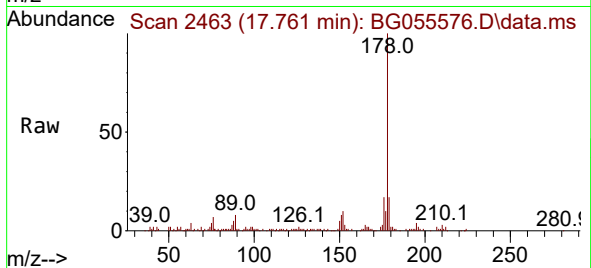
Tgt Ion:178 Resp: 80141

Ion Ratio Lower Upper

178 100

176 17.4 15.4 23.0

179 17.1 13.0 19.4



#75

Fluoranthene

Concen: 45.271 ng

RT: 19.670 min Scan# 2788

Delta R.T. 0.001 min

Lab File: BG055576.D

Acq: 11 Nov 2022 21:35

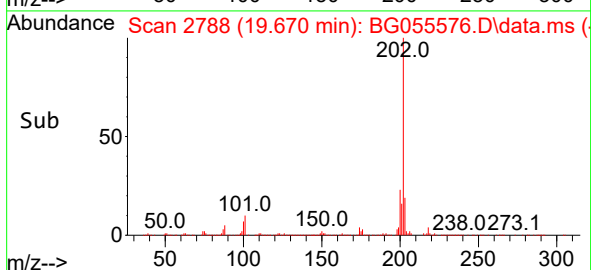
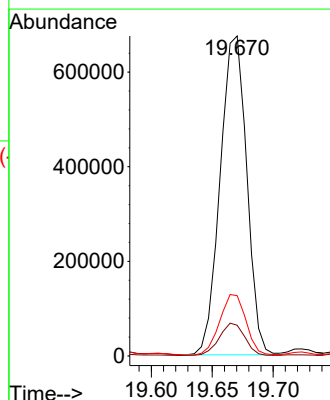
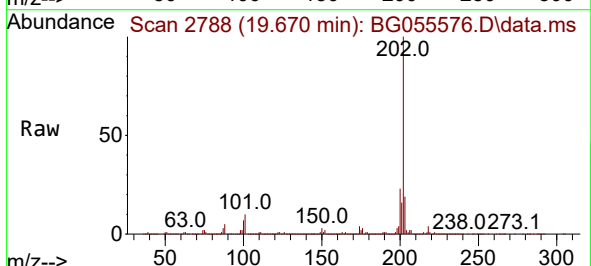
Tgt Ion:202 Resp: 1024660

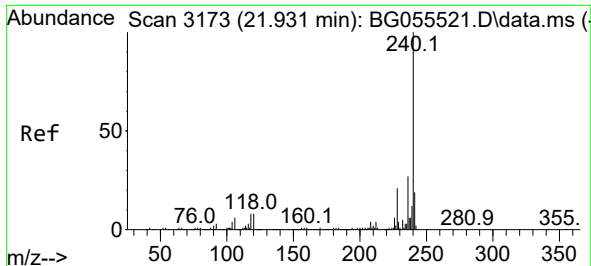
Ion Ratio Lower Upper

202 100

101 9.6 0.0 29.8

203 18.9 0.0 38.2

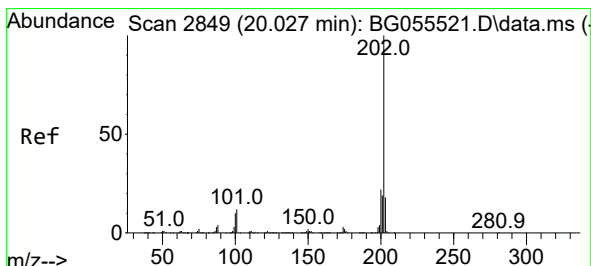
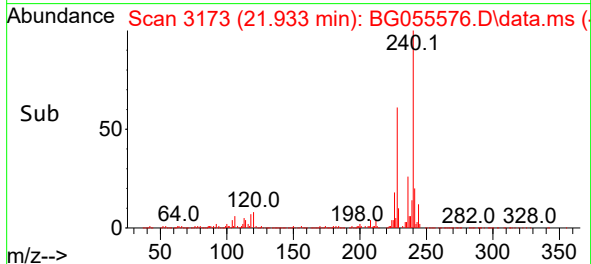
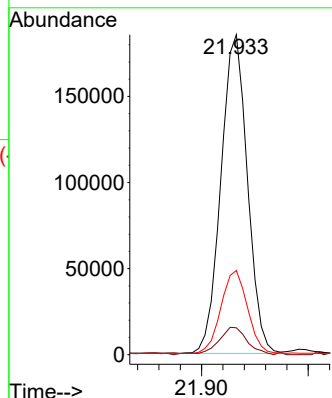
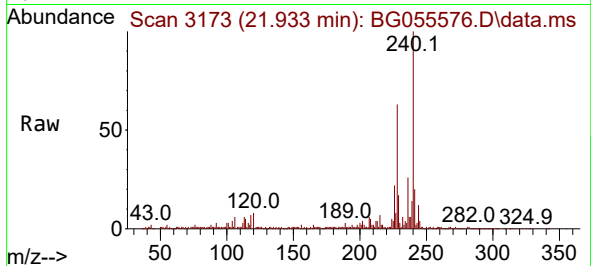




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.933 min Scan# 3173
Delta R.T. 0.002 min
Lab File: BG055576.D
Acq: 11 Nov 2022 21:35

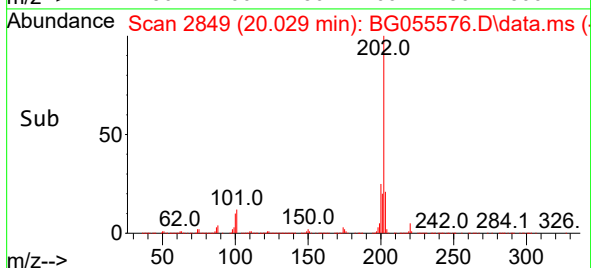
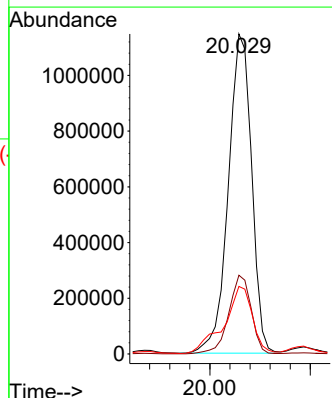
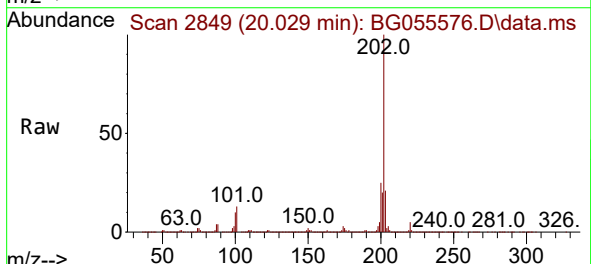
Instrument :
BNA_G
ClientSampleId :
SB-26

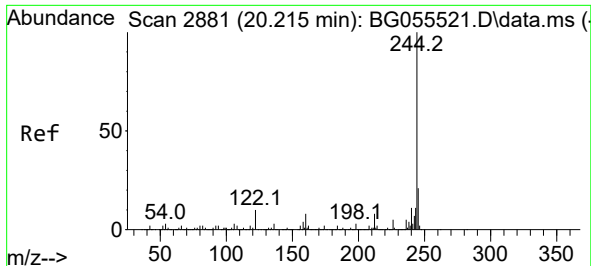
Tgt Ion:240 Resp: 318932
Ion Ratio Lower Upper
240 100
120 8.4 6.1 9.1
236 26.3 21.4 32.0



#78
Pyrene
Concen: 85.557 ng
RT: 20.029 min Scan# 2849
Delta R.T. 0.002 min
Lab File: BG055576.D
Acq: 11 Nov 2022 21:35

Tgt Ion:202 Resp: 1846756
Ion Ratio Lower Upper
202 100
200 24.6 18.0 27.0
203 21.1 14.2 21.2

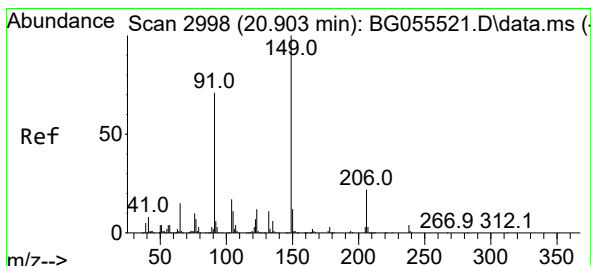
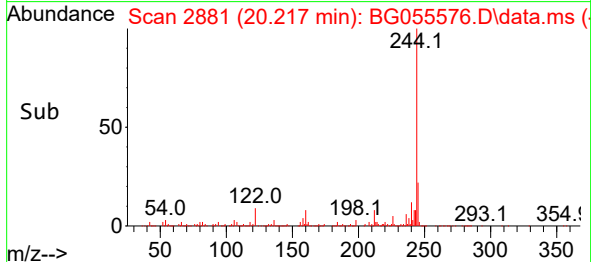
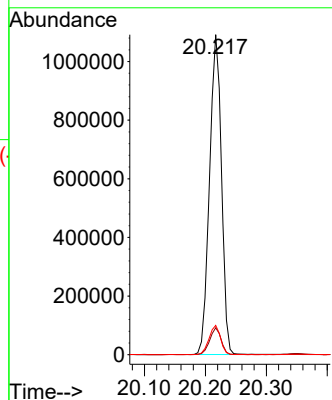
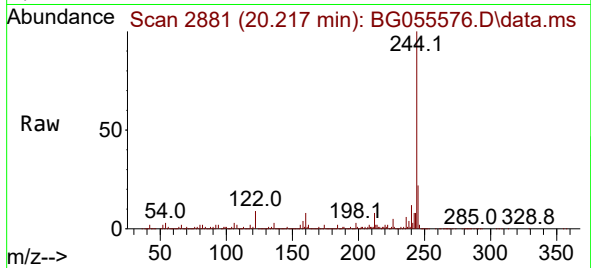




#79
 Terphenyl-d14
 Concen: 93.568 ng
 RT: 20.217 min Scan# 21
 Delta R.T. 0.002 min
 Lab File: BG055576.D
 Acq: 11 Nov 2022 21:35

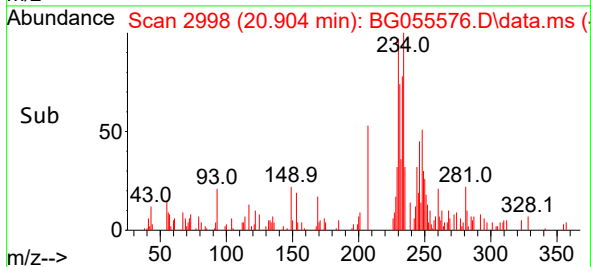
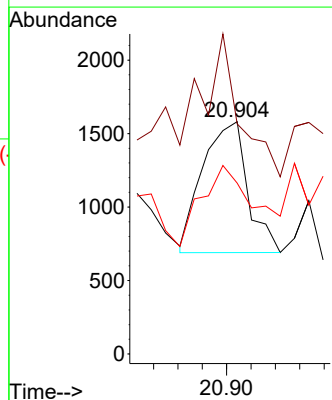
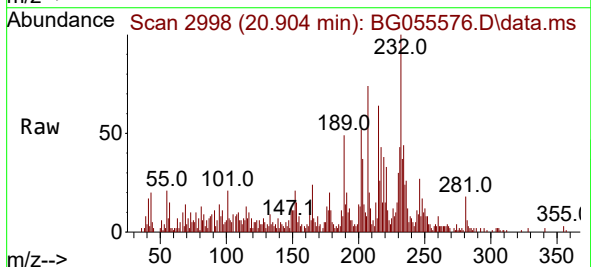
Instrument :
 BNA_G
 ClientSampleId :
 SB-26

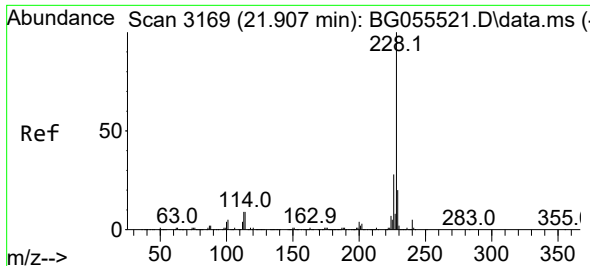
Tgt Ion:244 Resp: 1485739
 Ion Ratio Lower Upper
 244 100
 212 8.4 6.5 9.7
 122 9.2 7.7 11.5



#80
 Butylbenzylphthalate
 Concen: 3.494 ng
 RT: 20.904 min Scan# 2998
 Delta R.T. 0.001 min
 Lab File: BG055576.D
 Acq: 11 Nov 2022 21:35

Tgt Ion:149 Resp: 1144
 Ion Ratio Lower Upper
 149 100
 91 99.1 56.8 85.2#
 206 73.6 17.3 25.9#

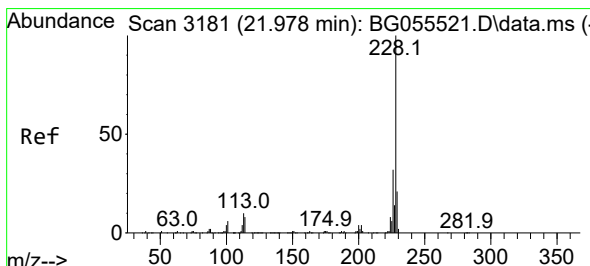
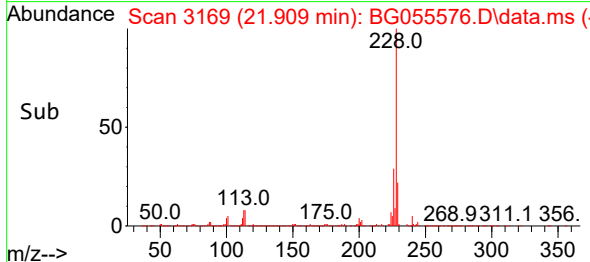
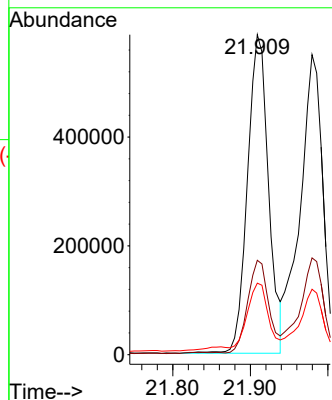
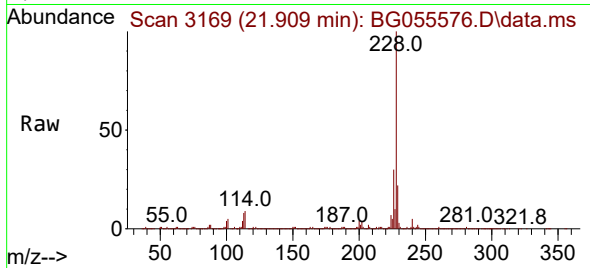




#81
Benzo(a)anthracene
Concen: 50.397 ng
RT: 21.909 min Scan# 3169
Delta R.T. 0.002 min
Lab File: BG055576.D
Acq: 11 Nov 2022 21:35

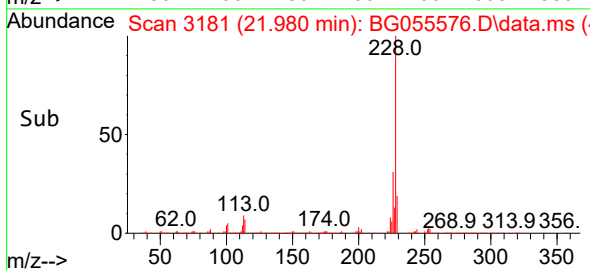
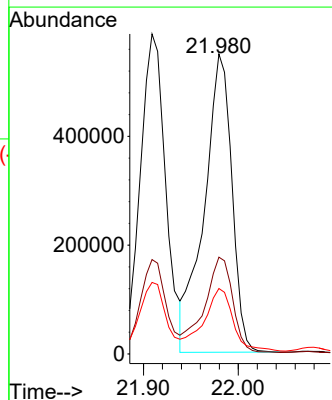
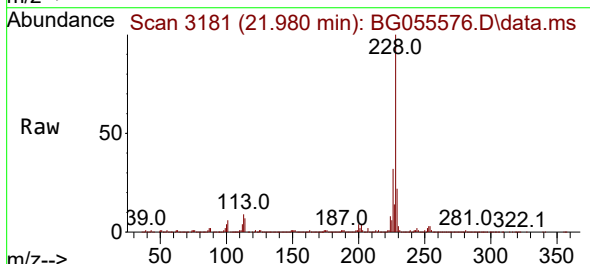
Instrument :
BNA_G
ClientSampleId :
SB-26

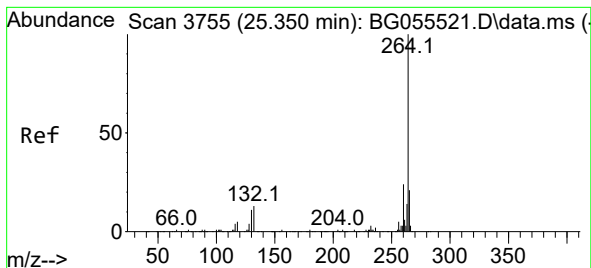
Tgt Ion:228 Resp: 1100961
Ion Ratio Lower Upper
228 100
226 29.5 22.6 34.0
229 22.3 16.1 24.1



#83
Chrysene
Concen: 53.570 ng
RT: 21.980 min Scan# 3181
Delta R.T. 0.002 min
Lab File: BG055576.D
Acq: 11 Nov 2022 21:35

Tgt Ion:228 Resp: 1112800
Ion Ratio Lower Upper
228 100
226 32.2 25.7 38.5
229 21.8 16.6 25.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.358 min Scan# 31

Delta R.T. 0.008 min

Lab File: BG055576.D

Acq: 11 Nov 2022 21:35

Instrument :

BNA_G

ClientSampleId :

SB-26

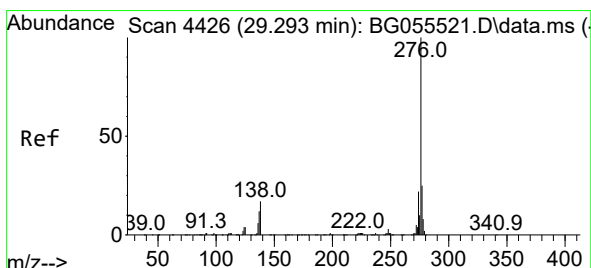
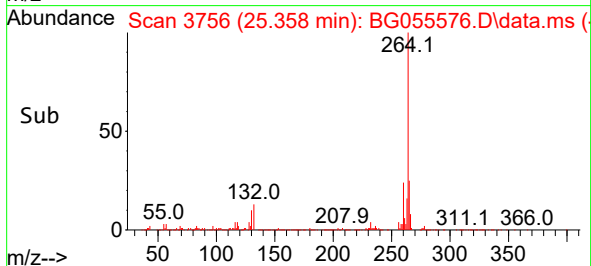
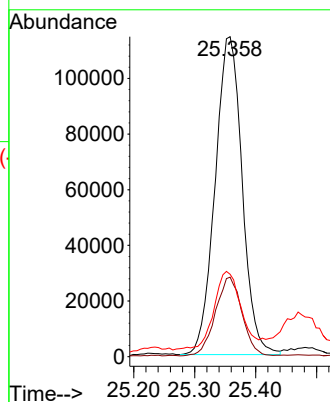
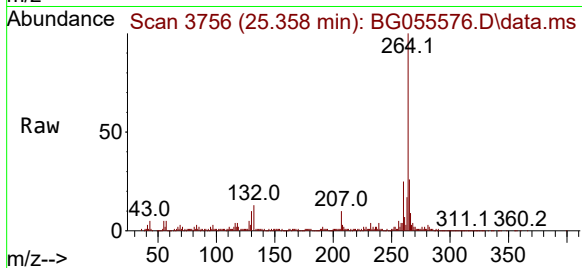
Tgt Ion:264 Resp: 352641

Ion Ratio Lower Upper

264 100

260 24.9 19.4 29.2

265 25.7 17.1 25.7#



#87

Indeno(1,2,3-cd)pyrene

Concen: 16.945 ng

RT: 29.289 min Scan# 4425

Delta R.T. -0.004 min

Lab File: BG055576.D

Acq: 11 Nov 2022 21:35

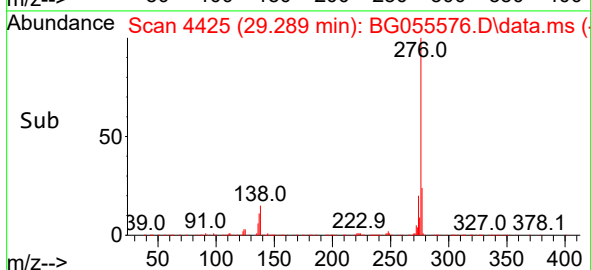
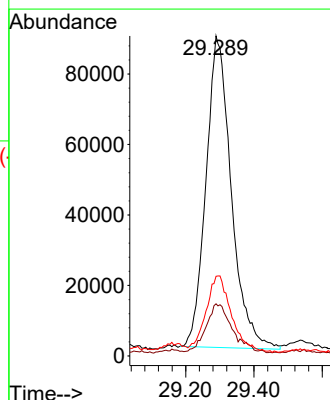
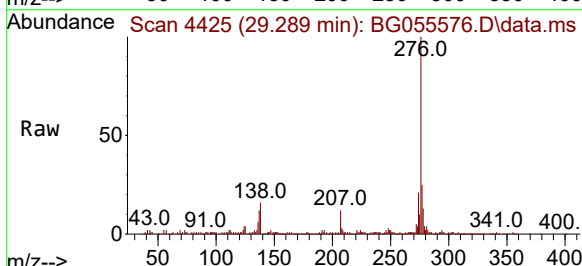
Tgt Ion:276 Resp: 455125

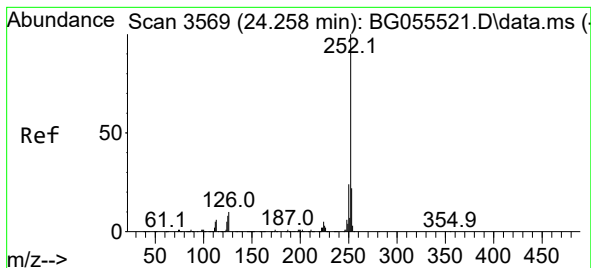
Ion Ratio Lower Upper

276 100

138 15.7 11.5 17.3

277 25.0 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 41.870 ng

RT: 24.265 min Scan# 3

Delta R.T. 0.007 min

Lab File: BG055576.D

Acq: 11 Nov 2022 21:35

Instrument :

BNA_G

ClientSampleId :

SB-26

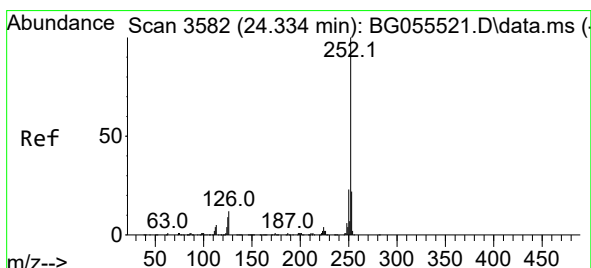
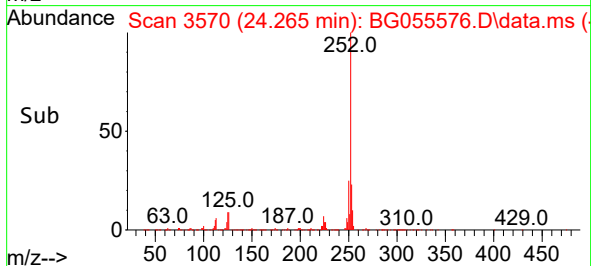
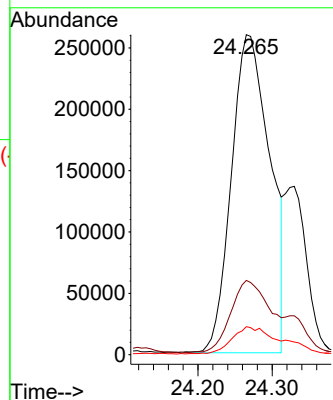
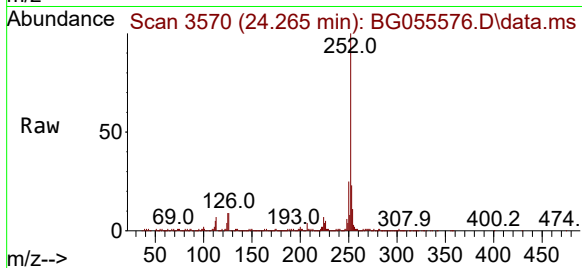
Tgt Ion:252 Resp: 935524

Ion Ratio Lower Upper

252 100

253 23.2 17.9 26.9

125 8.8 6.7 10.1



#89

Benzo(k)fluoranthene

Concen: 40.955 ng

RT: 24.265 min Scan# 3570

Delta R.T. -0.069 min

Lab File: BG055576.D

Acq: 11 Nov 2022 21:35

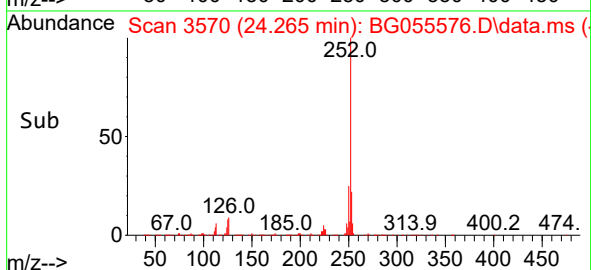
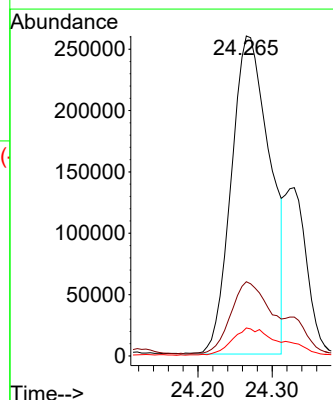
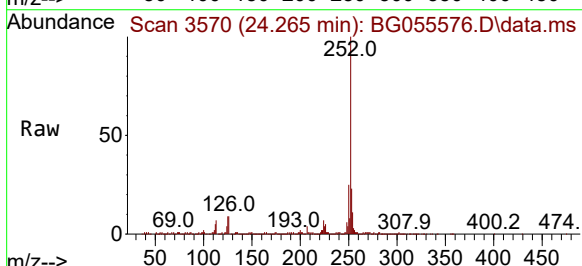
Tgt Ion:252 Resp: 935524

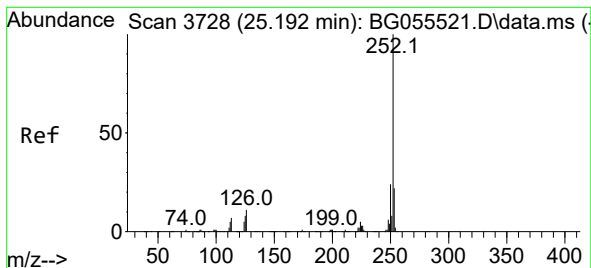
Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.8

125 8.8 6.9 10.3





#90

Benzo(a)pyrene

Concen: 46.991 ng

RT: 25.199 min Scan# 31

Delta R.T. 0.007 min

Lab File: BG055576.D

Acq: 11 Nov 2022 21:35

Instrument :

BNA_G

ClientSampleId :

SB-26

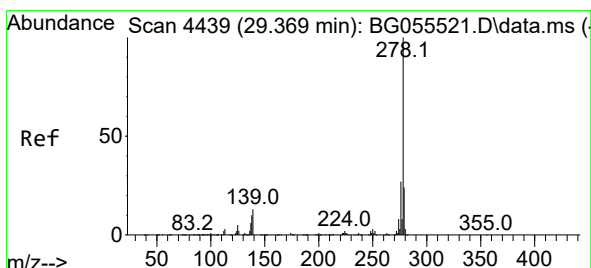
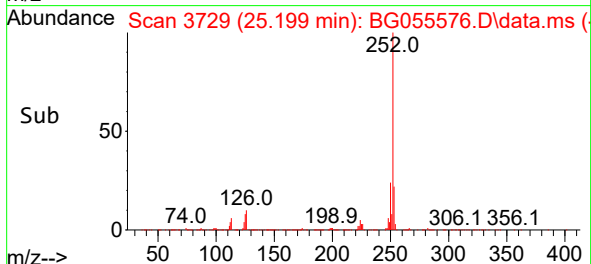
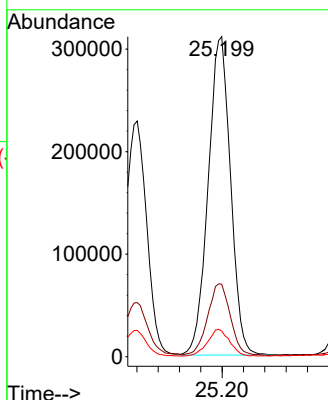
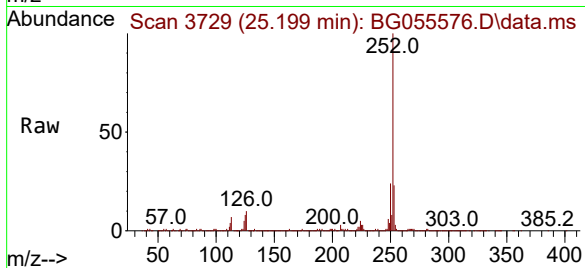
Tgt Ion:252 Resp: 904437

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.6

125 8.0 6.7 10.1



#91

Dibenzo(a,h)anthracene

Concen: 5.965 ng

RT: 29.342 min Scan# 4434

Delta R.T. -0.027 min

Lab File: BG055576.D

Acq: 11 Nov 2022 21:35

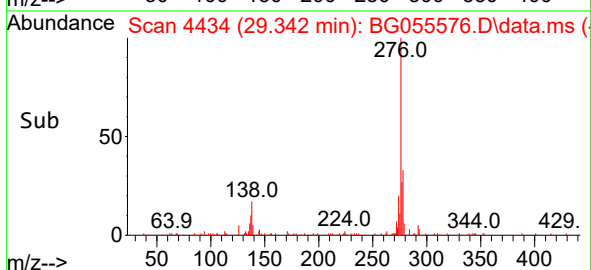
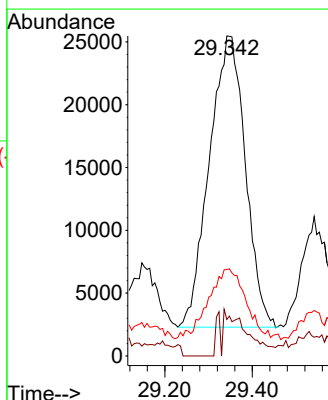
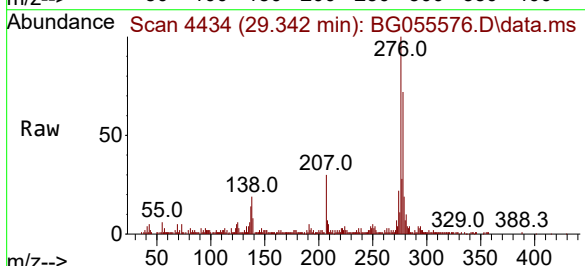
Tgt Ion:278 Resp: 132608

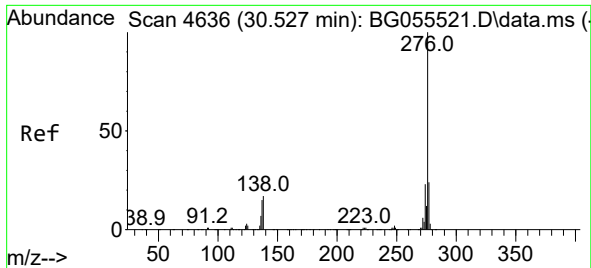
Ion Ratio Lower Upper

278 100

139 11.4 10.6 15.8

279 27.1 19.4 29.2





#92
 Benzo(g,h,i)perylene
 Concen: 25.804 ng
 RT: 30.534 min Scan# 4
 Delta R.T. 0.007 min
 Lab File: BG055576.D
 Acq: 11 Nov 2022 21:35

Instrument :
 BNA_G
 ClientSampleId :
 SB-26

Tgt Ion:276 Resp: 560821
 Ion Ratio Lower Upper
 276 100
 277 22.9 19.3 28.9
 138 17.3 13.9 20.9

