

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102722\
 Data File : BG055328.D
 Acq On : 27 Oct 2022 17:59
 Operator : CG/JU
 Sample : N5238-03DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 2673DL

Quant Time: Oct 27 18:37:00 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 24 16:54:05 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

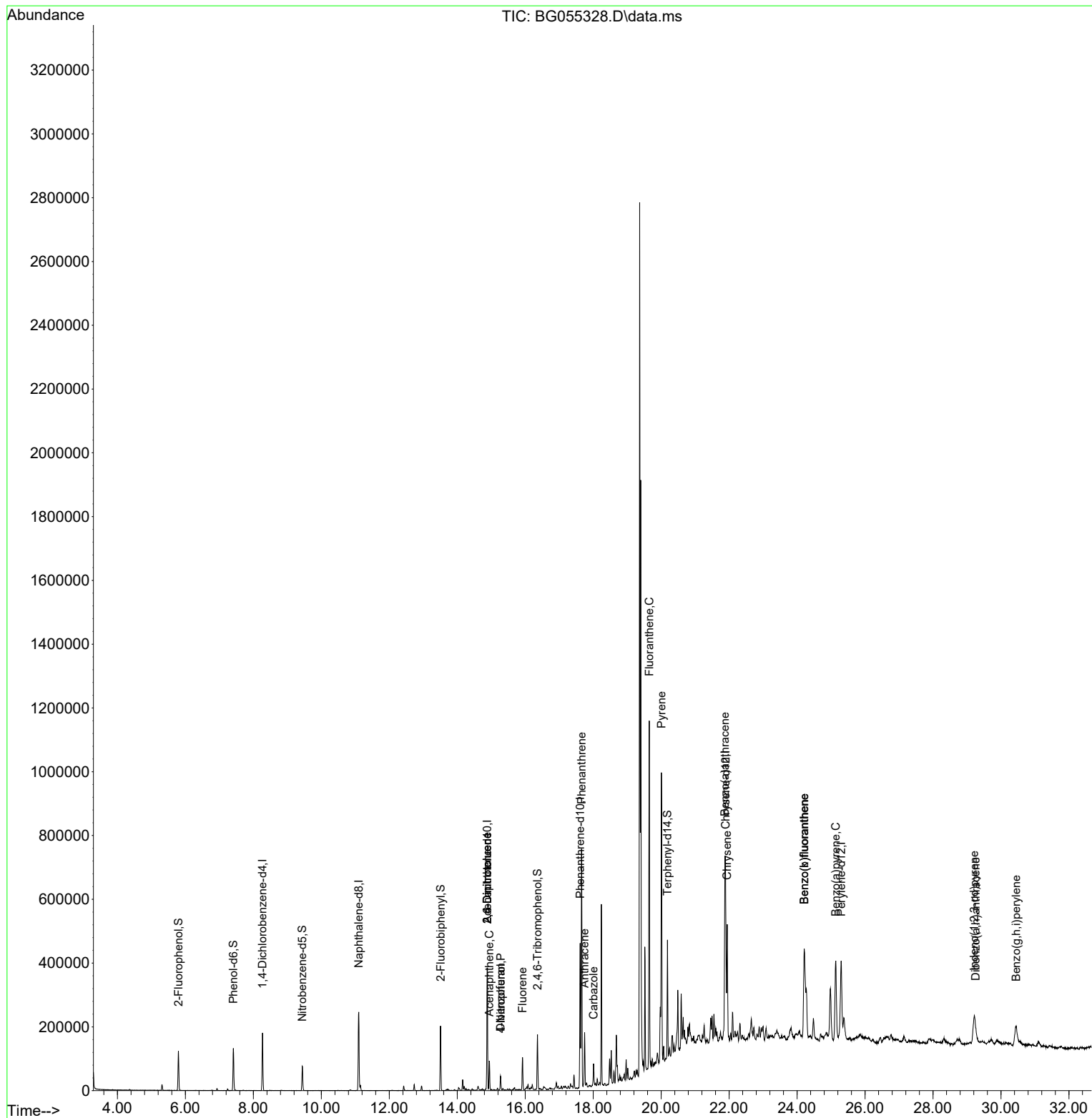
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.270	152	50389	20.000	ng	0.00
21) Naphthalene-d8	11.102	136	217608	20.000	ng	0.00
39) Acenaphthene-d10	14.880	164	136826	20.000	ng	0.00
64) Phenanthrene-d10	17.618	188	282438	20.000	ng	0.00
76) Chrysene-d12	21.895	240	256638	20.000	ng	0.00
86) Perylene-d12	25.297	264	283504	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.796	112	59317	20.612	ng	0.00
7) Phenol-d6	7.412	99	83113	19.935	ng	0.00
23) Nitrobenzene-d5	9.439	82	50529	11.857	ng	0.00
42) 2,4,6-Tribromophenol	16.361	330	30358	20.410	ng	0.00
45) 2-Fluorobiphenyl	13.511	172	107957	12.914	ng	0.00
79) Terphenyl-d14	20.185	244	160892	13.025	ng	0.00
Target Compounds						Qvalue
51) 2,6-Dinitrotoluene	14.880	165	18726	8.566	ng	# 19
52) Acenaphthene	14.945	154	32575	4.000	ng	97
55) Dibenzofuran	15.274	168	27068	2.216	ng	96
56) 4-Nitrophenol	15.279	139	10618	5.403	ng	# 6
57) 2,4-Dinitrotoluene	14.880	165	18726	5.903	ng	# 18
58) Fluorene	15.920	166	47794	4.702	ng	98
71) Phenanthrene	17.659	178	465655	30.915	ng	99
72) Anthracene	17.747	178	108203	7.348	ng	100
73) Carbazole	18.012	167	43080	3.042	ng	98
75) Fluoranthene	19.651	202	658834	37.537	ng	98
78) Pyrene	20.009	202	570640	32.439	ng	99
81) Benzo(a)anthracene	21.878	228	293439	17.027	ng	100
83) Chrysene	21.942	228	263712	16.109	ng	96
87) Indeno(1,2,3-cd)pyrene	29.216	276	173261	8.275	ng	97
88) Benzo(b)fluoranthene	24.210	252	378689	22.206	ng	97
89) Benzo(k)fluoranthene	24.210	252	378689	21.992	ng	99
90) Benzo(a)pyrene	25.138	252	285954	19.554	ng	98
91) Dibenzo(a,h)anthracene	29.251	278	44945	2.616	ng	# 90
92) Benzo(g,h,i)perylene	30.450	276	157658	9.250	ng	99

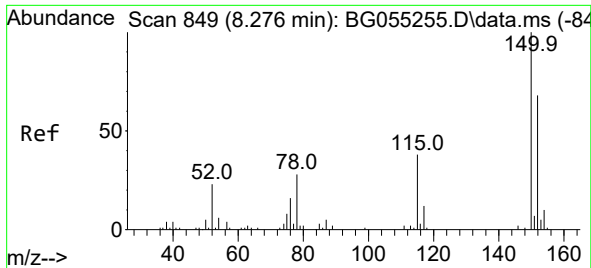
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 27 18:37:00 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 24 16:54:05 2022
Response via : Initial Calibration

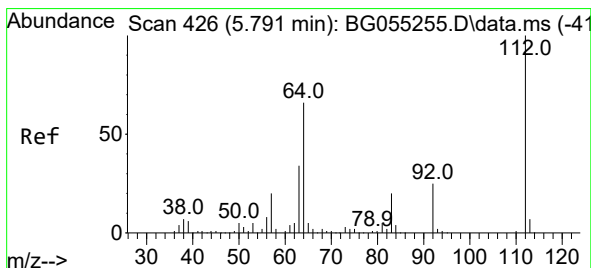
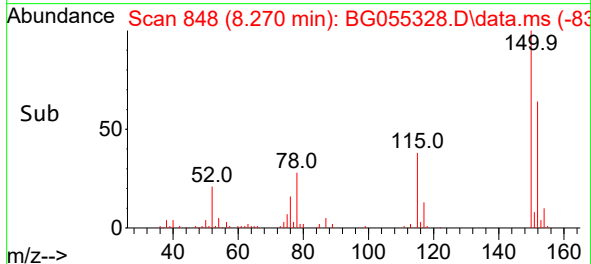
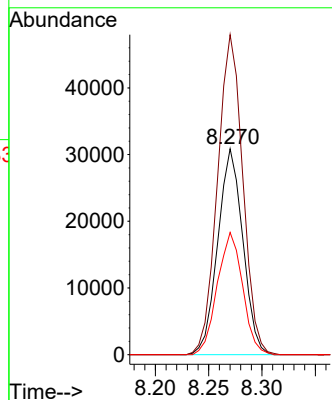
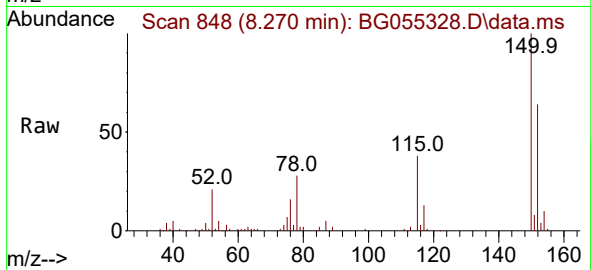




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.270 min Scan# 84
Delta R.T. -0.006 min
Lab File: BG055328.D
Acq: 27 Oct 2022 17:59

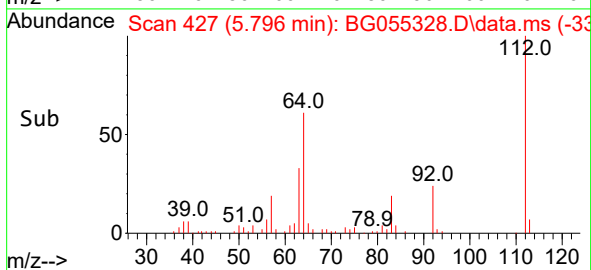
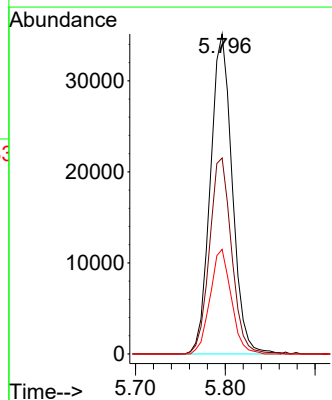
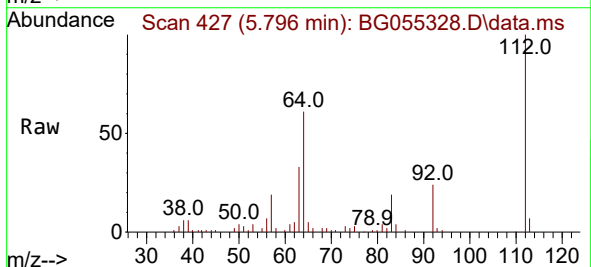
Instrument :
BNA_G
ClientSampleId :
2673DL

Tgt Ion:152 Resp: 50389
Ion Ratio Lower Upper
152 100
150 155.4 118.2 177.4
115 59.4 44.5 66.7



#5
2-Fluorophenol
Concen: 20.612 ng
RT: 5.796 min Scan# 427
Delta R.T. 0.005 min
Lab File: BG055328.D
Acq: 27 Oct 2022 17:59

Tgt Ion:112 Resp: 59317
Ion Ratio Lower Upper
112 100
64 61.3 52.6 78.8
63 32.7 27.1 40.7

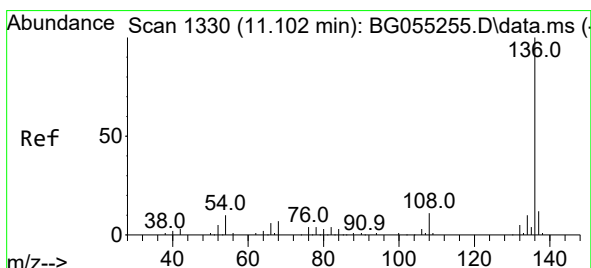
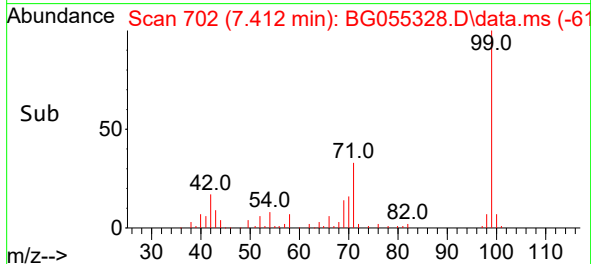
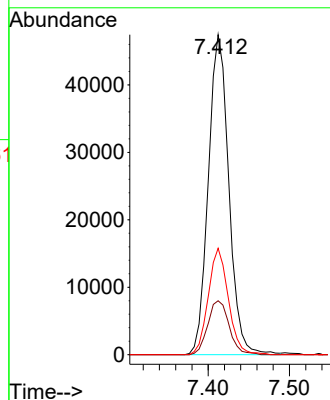
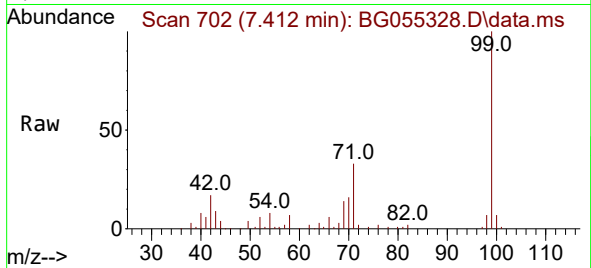




#7
Phenol-d6
Concen: 19.935 ng
RT: 7.412 min Scan# 702
Delta R.T. -0.000 min
Lab File: BG055328.D
Acq: 27 Oct 2022 17:59

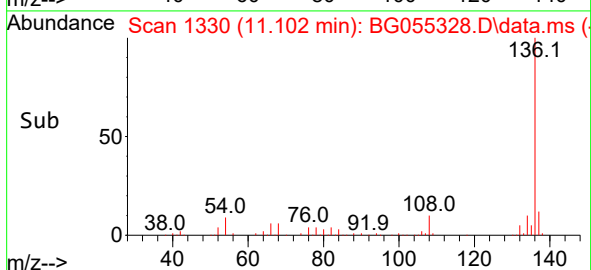
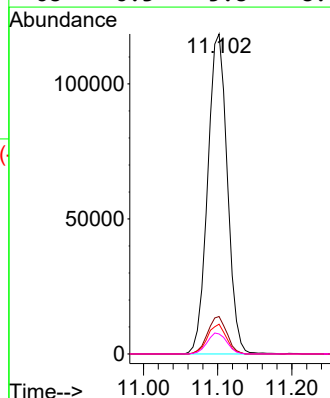
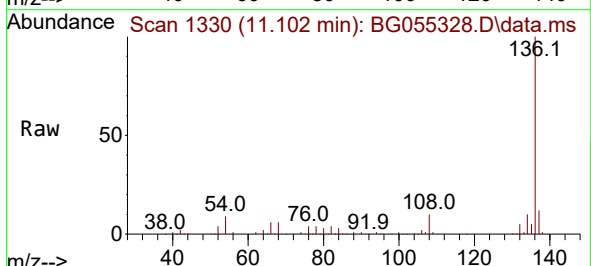
Instrument :
BNA_G
ClientSampleId :
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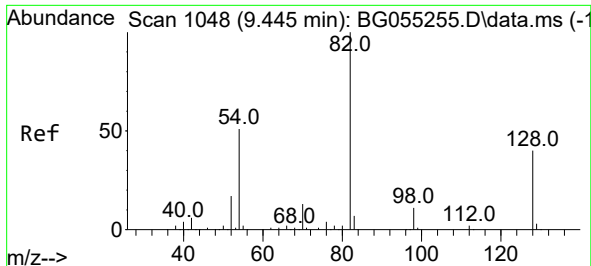
Tgt Ion: 99 Resp: 83113
Ion Ratio Lower Upper
99 100
42 16.8 15.2 22.8
71 33.2 26.2 39.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.102 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BG055328.D
Acq: 27 Oct 2022 17:59

Tgt Ion: 136 Resp: 217608
Ion Ratio Lower Upper
136 100
137 11.7 9.2 13.8
54 9.3 7.8 11.8
68 6.3 5.8 8.6

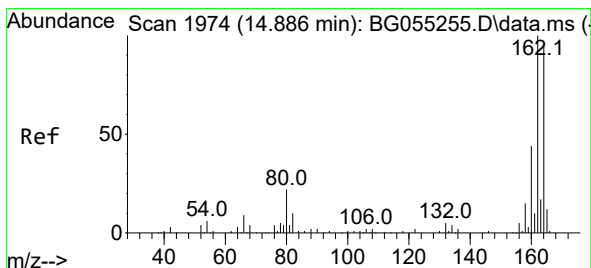
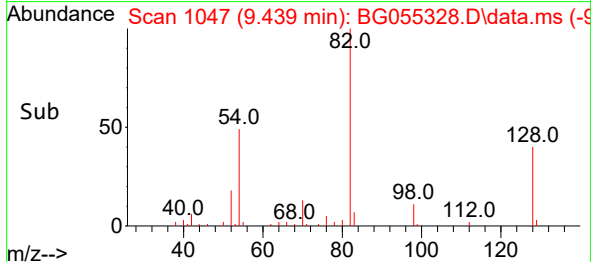
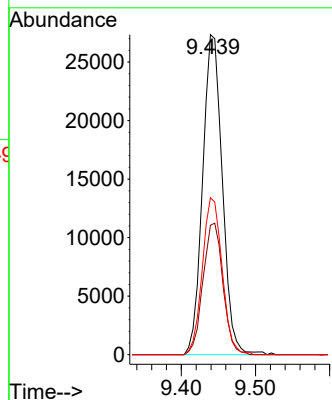
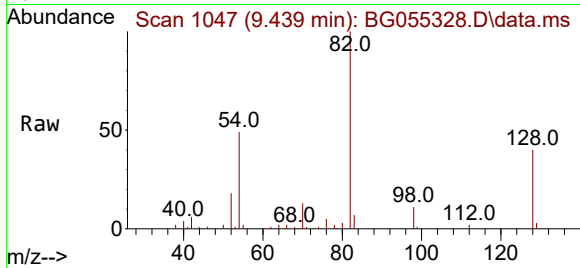




#23
Nitrobenzene-d5
Concen: 11.857 ng
RT: 9.439 min Scan# 1047
Delta R.T. -0.006 min
Lab File: BG055328.D
Acq: 27 Oct 2022 17:59

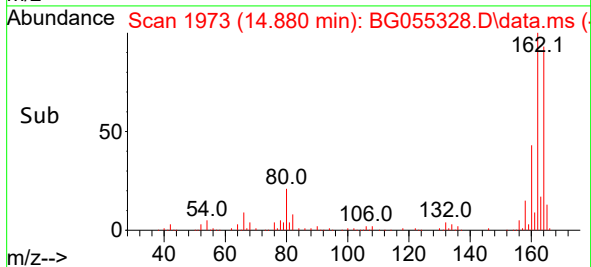
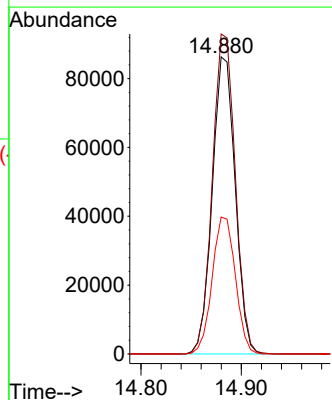
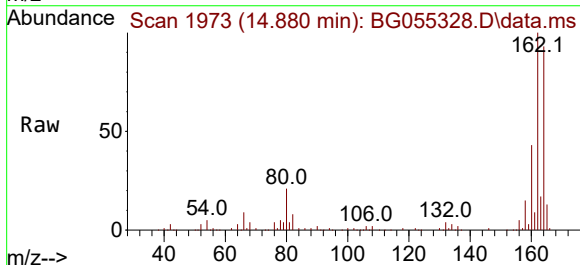
Instrument :
BNA_G
ClientSampleId :
2673DL

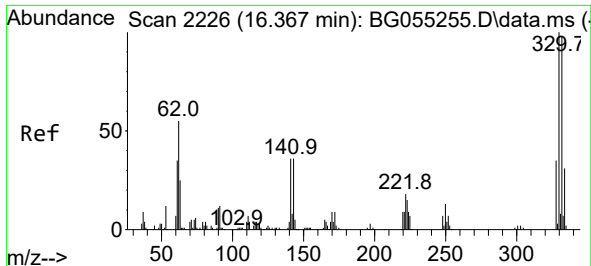
Tgt Ion: 82 Resp: 50529
Ion Ratio Lower Upper
82 100
128 40.4 32.0 48.0
54 49.0 40.9 61.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.880 min Scan# 1973
Delta R.T. -0.006 min
Lab File: BG055328.D
Acq: 27 Oct 2022 17:59

Tgt Ion:164 Resp: 136826
Ion Ratio Lower Upper
164 100
162 107.7 84.0 126.0
160 46.1 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 20.410 ng

RT: 16.361 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG055328.D

Acq: 27 Oct 2022 17:59

Instrument :

BNA_G

ClientSampleId :

2673DL

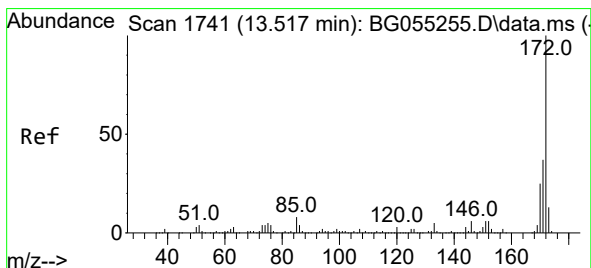
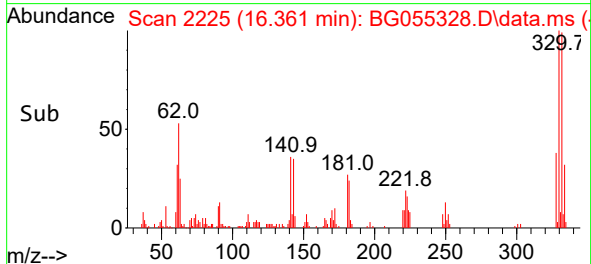
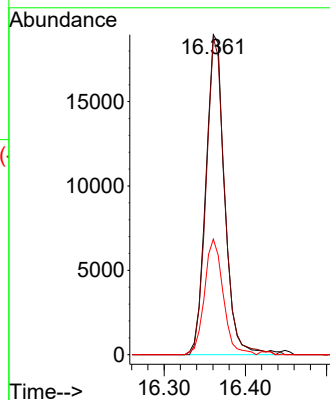
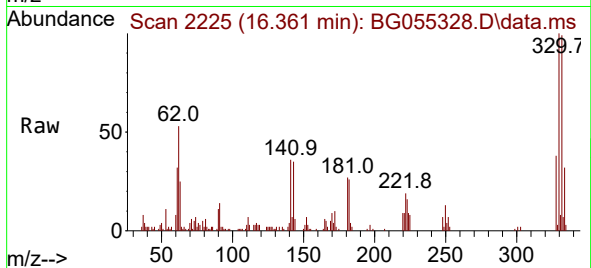
Tgt Ion:330 Resp: 30358

Ion Ratio Lower Upper

330 100

332 97.8 77.4 116.0

141 36.0 29.8 44.8



#45

2-Fluorobiphenyl

Concen: 12.914 ng

RT: 13.511 min Scan# 1740

Delta R.T. -0.006 min

Lab File: BG055328.D

Acq: 27 Oct 2022 17:59

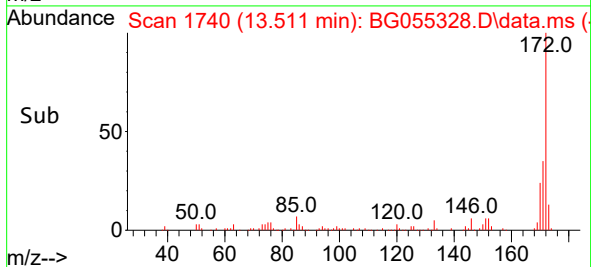
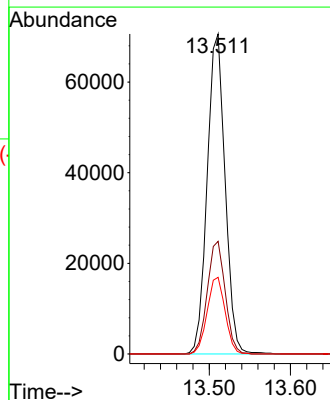
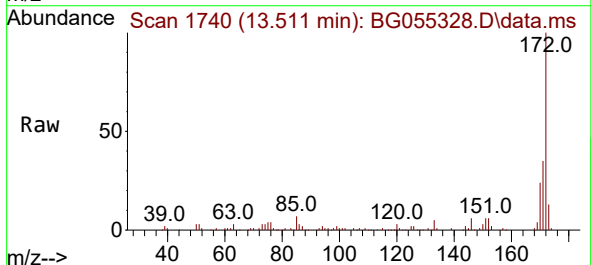
Tgt Ion:172 Resp: 107957

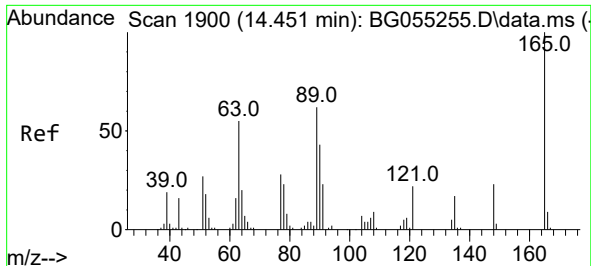
Ion Ratio Lower Upper

172 100

171 35.2 29.7 44.5

170 24.0 20.2 30.2

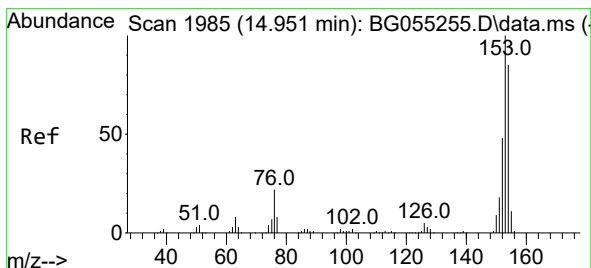
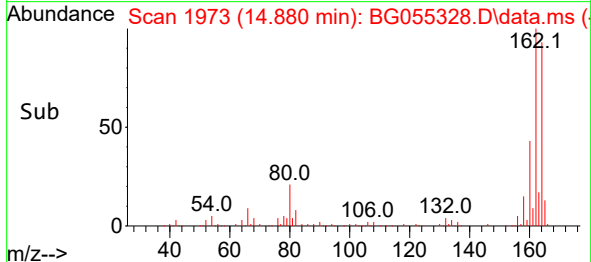
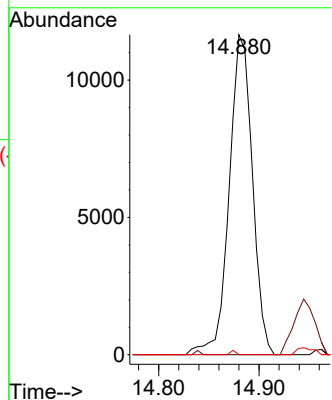
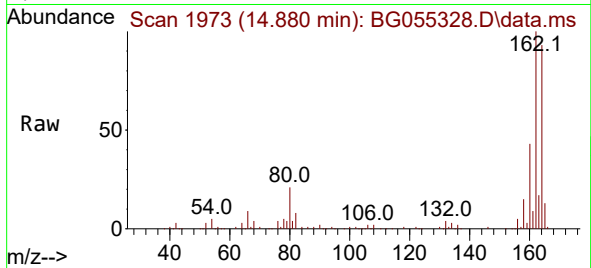




#51
2,6-Dinitrotoluene
Concen: 8.566 ng
RT: 14.880 min Scan# 1900
Delta R.T. 0.429 min
Lab File: BG055328.D
Acq: 27 Oct 2022 17:59

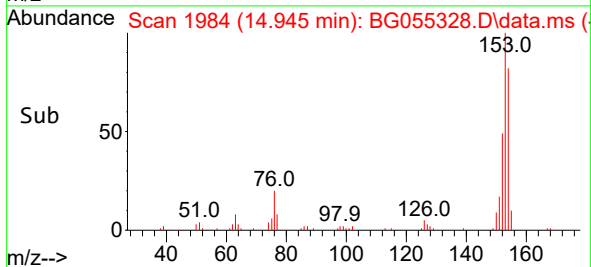
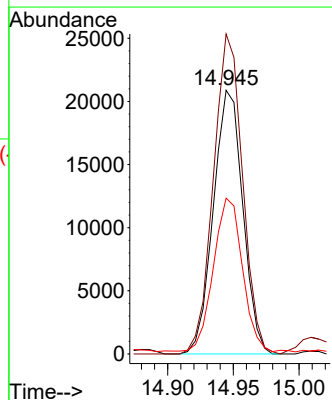
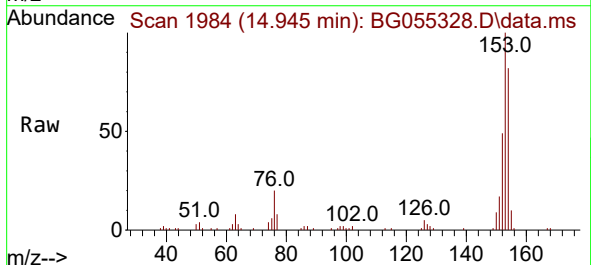
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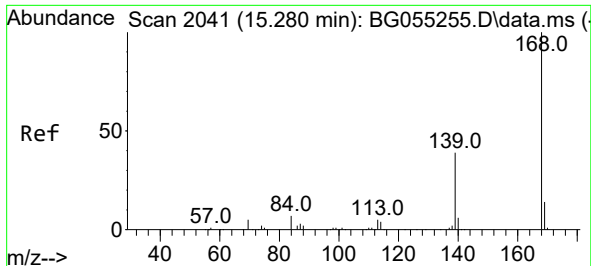
Tgt Ion:165 Resp: 18726
Ion Ratio Lower Upper
165 100
63 0.0 49.2 73.8#
89 0.0 49.9 74.9#



#52
Acenaphthene
Concen: 4.000 ng
RT: 14.945 min Scan# 1984
Delta R.T. -0.006 min
Lab File: BG055328.D
Acq: 27 Oct 2022 17:59

Tgt Ion:154 Resp: 32575
Ion Ratio Lower Upper
154 100
153 121.3 94.3 141.5
152 59.1 45.3 67.9

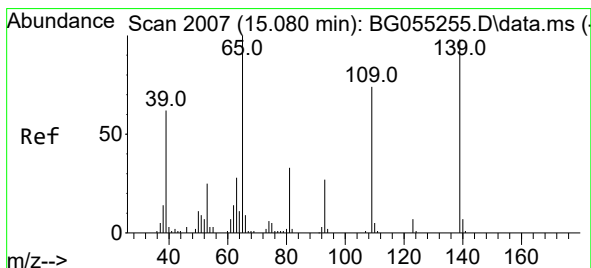
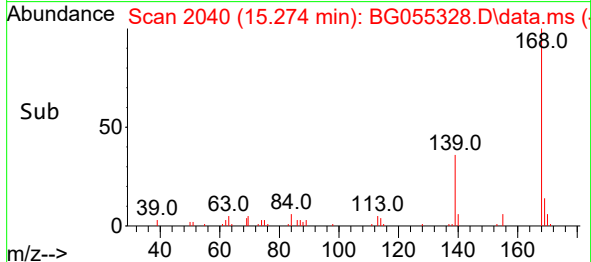
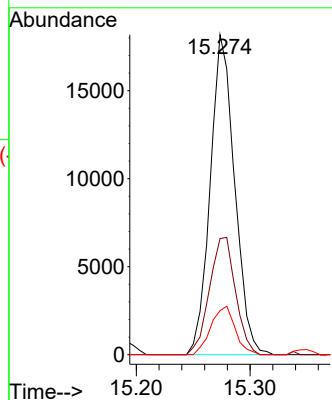
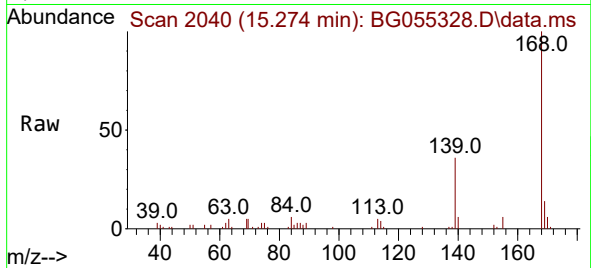




#55
Dibenzenofuran
Concen: 2.216 ng
RT: 15.274 min Scan# 2040
Delta R.T. -0.006 min
Lab File: BG055328.D
Acq: 27 Oct 2022 17:59

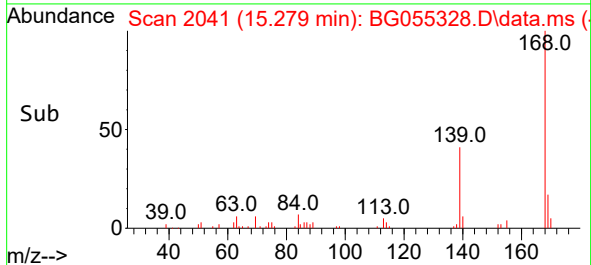
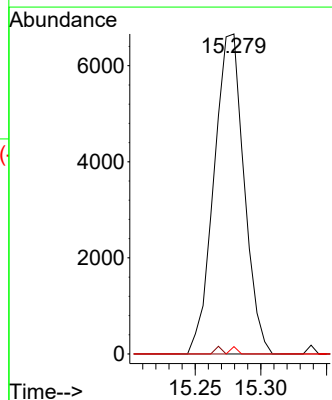
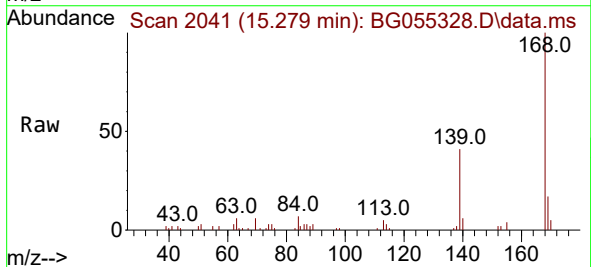
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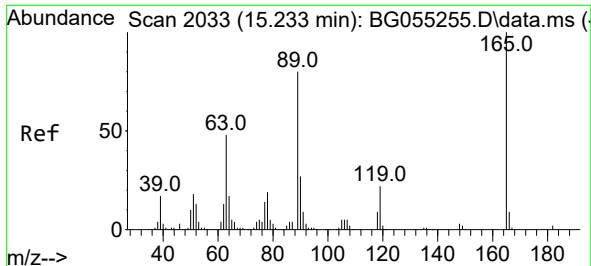
Tgt Ion:168 Resp: 27068
Ion Ratio Lower Upper
168 100
139 36.3 31.6 47.4
169 13.7 11.0 16.4



#56
4-Nitrophenol
Concen: 5.403 ng
RT: 15.279 min Scan# 2041
Delta R.T. 0.199 min
Lab File: BG055328.D
Acq: 27 Oct 2022 17:59

Tgt Ion:139 Resp: 10618
Ion Ratio Lower Upper
139 100
109 0.0 55.4 95.4#
65 2.3 81.6 121.6#





#57

2,4-Dinitrotoluene

Concen: 5.903 ng

RT: 14.880 min Scan# 1973

Delta R.T. -0.353 min

Lab File: BG055328.D

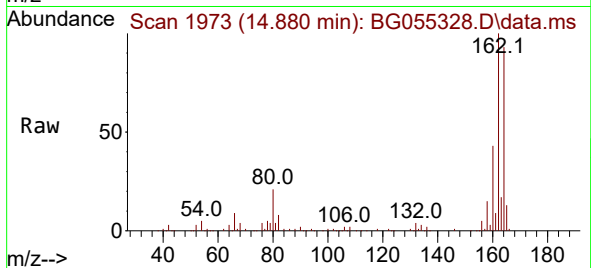
Acq: 27 Oct 2022 17:59

Instrument :

BNA_G

ClientSampleId :

2673DL



Tgt Ion:165 Resp: 18726

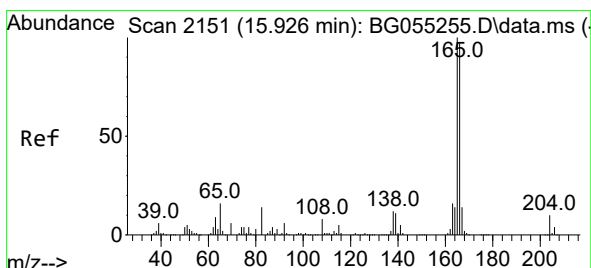
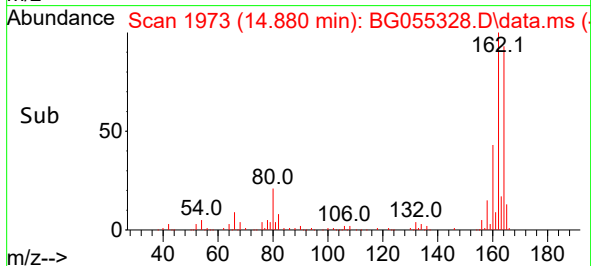
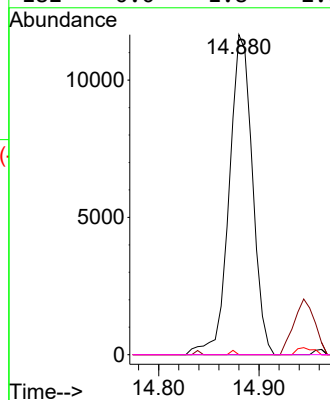
Ion Ratio Lower Upper

165 100

63 0.0 38.9 58.3#

89 0.0 64.2 96.4#

182 0.0 1.8 2.6#



#58

Fluorene

Concen: 4.702 ng

RT: 15.920 min Scan# 2150

Delta R.T. -0.006 min

Lab File: BG055328.D

Acq: 27 Oct 2022 17:59

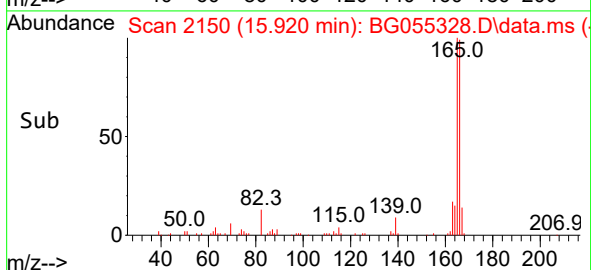
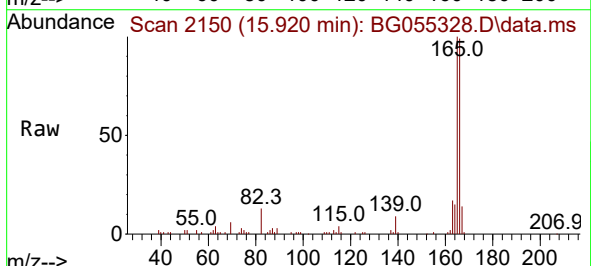
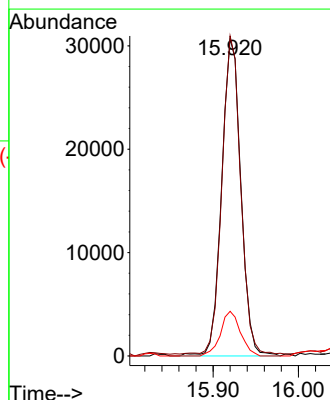
Tgt Ion:166 Resp: 47794

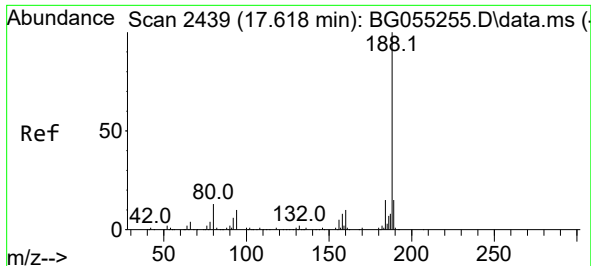
Ion Ratio Lower Upper

166 100

165 100.8 82.4 123.6

167 14.0 11.5 17.3

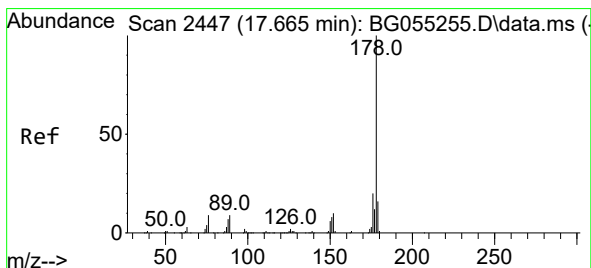
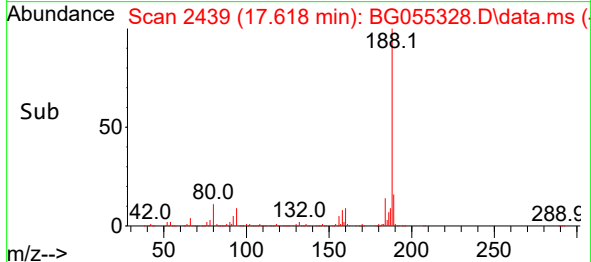
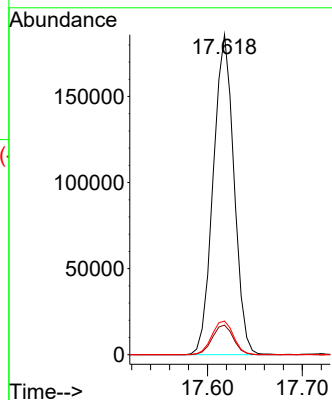
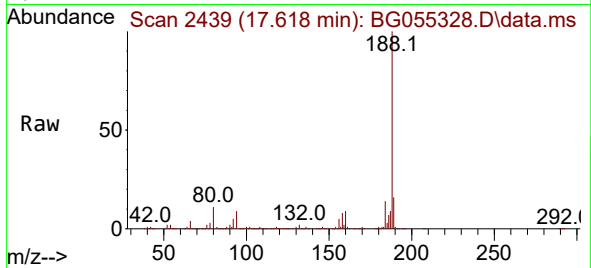




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.618 min Scan# 2439
Delta R.T. -0.000 min
Lab File: BG055328.D
Acq: 27 Oct 2022 17:59

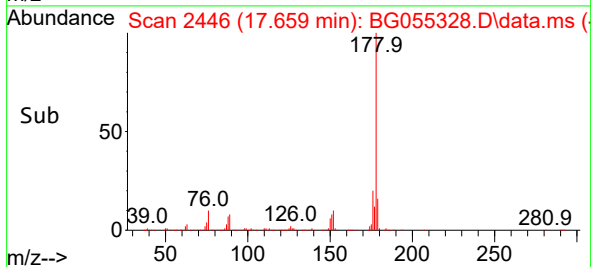
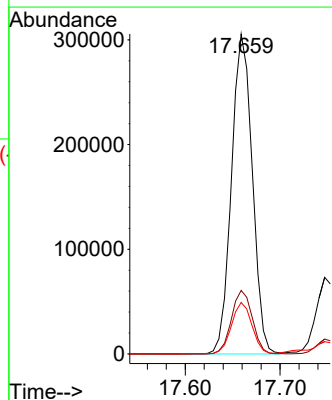
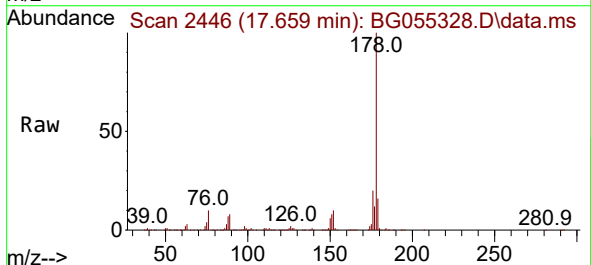
Instrument :
BNA_G
ClientSampleId :
2673DL

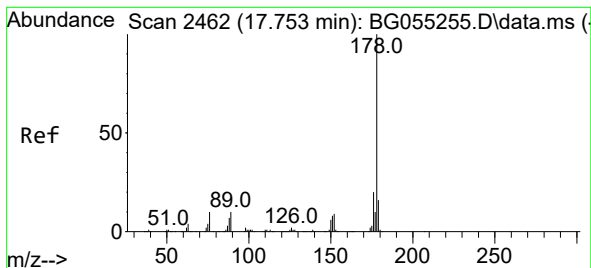
Tgt Ion:188 Resp: 282438
Ion Ratio Lower Upper
188 100
94 9.3 8.2 12.4
80 10.5 10.1 15.1



#71
Phenanthrene
Concen: 30.915 ng
RT: 17.659 min Scan# 2446
Delta R.T. -0.006 min
Lab File: BG055328.D
Acq: 27 Oct 2022 17:59

Tgt Ion:178 Resp: 465655
Ion Ratio Lower Upper
178 100
176 19.9 16.0 24.0
179 16.1 12.6 19.0





#72

Anthracene

Concen: 7.348 ng

RT: 17.747 min Scan# 24

Delta R.T. -0.006 min

Lab File: BG055328.D

Acq: 27 Oct 2022 17:59

Instrument :

BNA_G

ClientSampleId :

2673DL

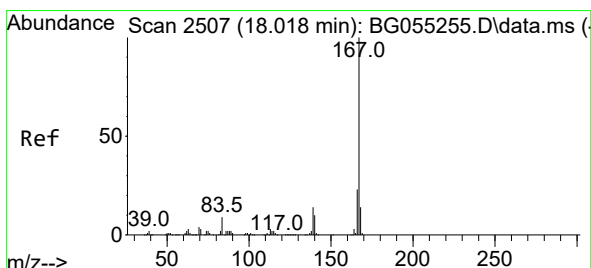
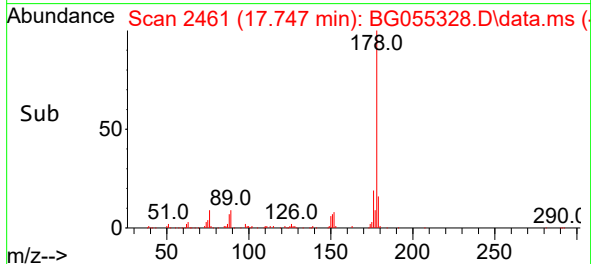
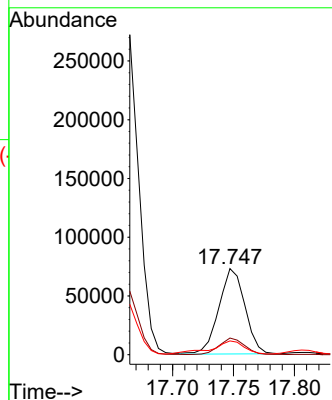
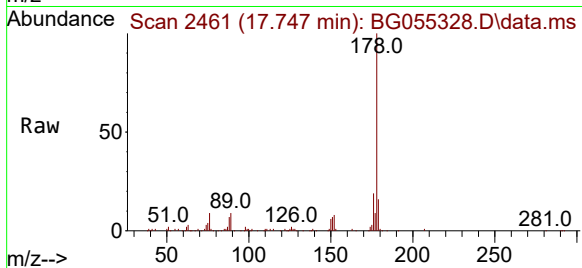
Tgt Ion:178 Resp: 108203

Ion Ratio Lower Upper

178 100

176 19.4 15.7 23.5

179 16.1 12.9 19.3



#73

Carbazole

Concen: 3.042 ng

RT: 18.012 min Scan# 2506

Delta R.T. -0.006 min

Lab File: BG055328.D

Acq: 27 Oct 2022 17:59

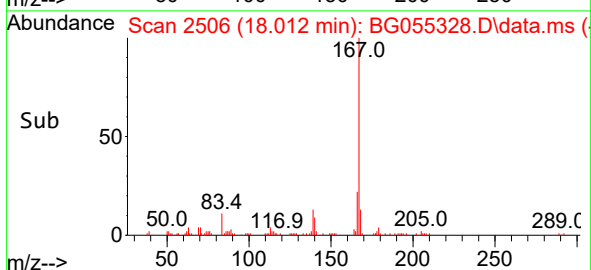
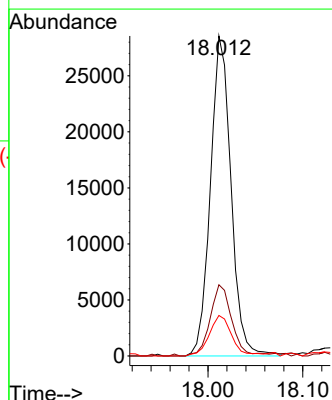
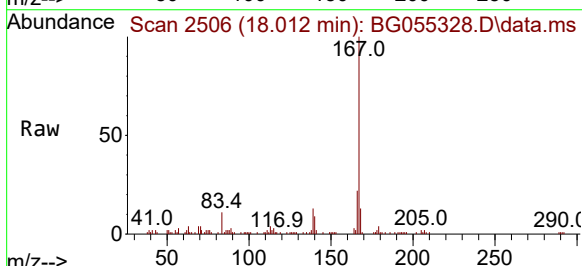
Tgt Ion:167 Resp: 43080

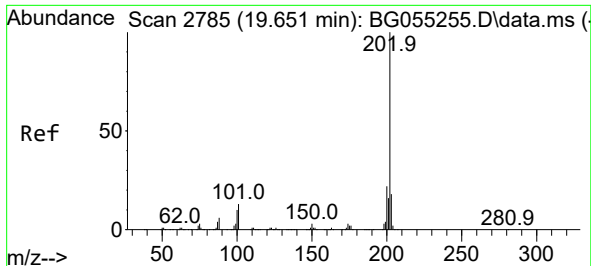
Ion Ratio Lower Upper

167 100

166 22.3 18.6 27.8

139 12.6 10.9 16.3

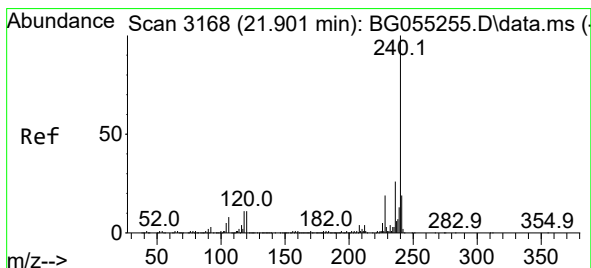
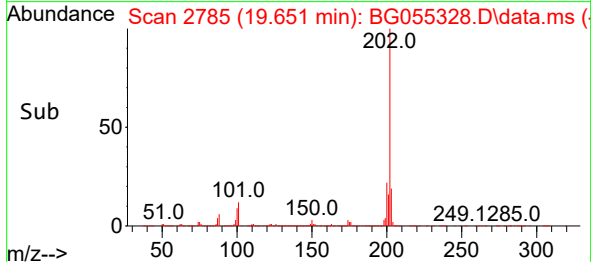
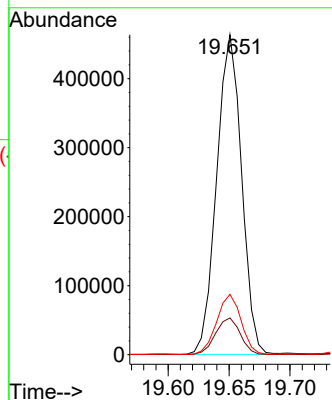
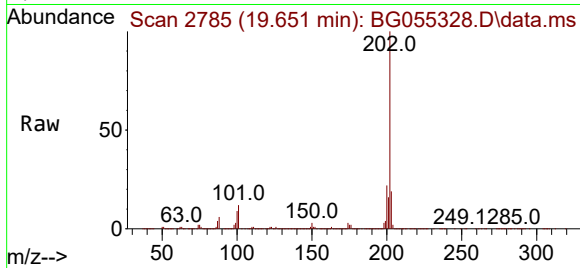




#75
Fluoranthene
Concen: 37.537 ng
RT: 19.651 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG055328.D
Acq: 27 Oct 2022 17:59

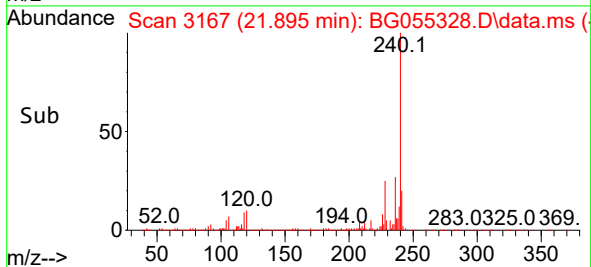
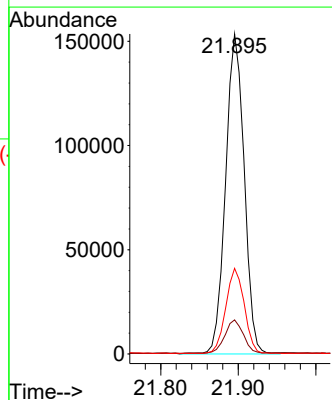
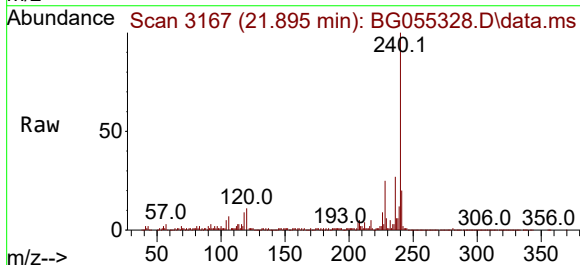
Instrument :
BNA_G
ClientSampleId :
2673DL

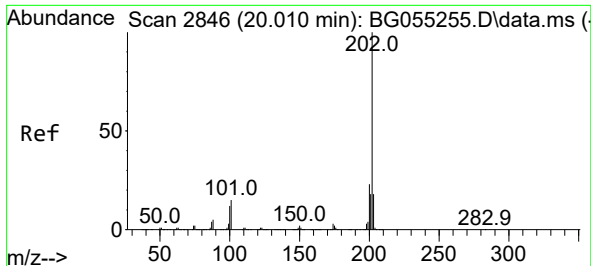
Tgt Ion:202 Resp: 658834
Ion Ratio Lower Upper
202 100
101 11.5 0.0 32.6
203 18.8 0.0 38.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.895 min Scan# 3167
Delta R.T. -0.006 min
Lab File: BG055328.D
Acq: 27 Oct 2022 17:59

Tgt Ion:240 Resp: 256638
Ion Ratio Lower Upper
240 100
120 10.6 8.9 13.3
236 26.8 21.0 31.4

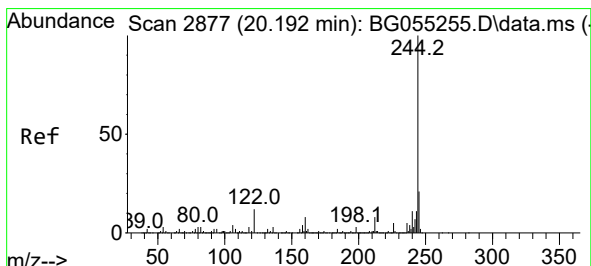
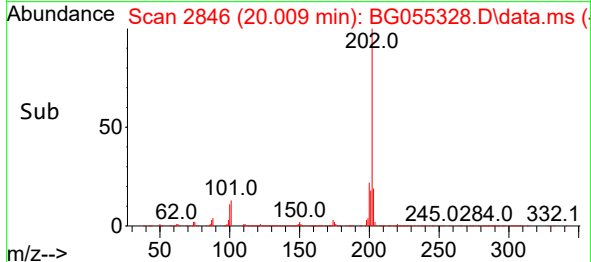
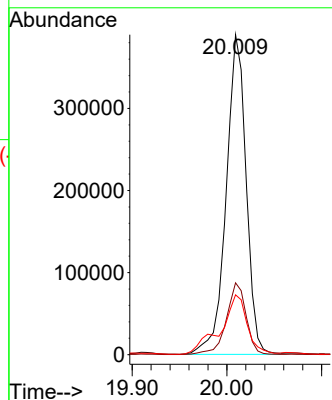
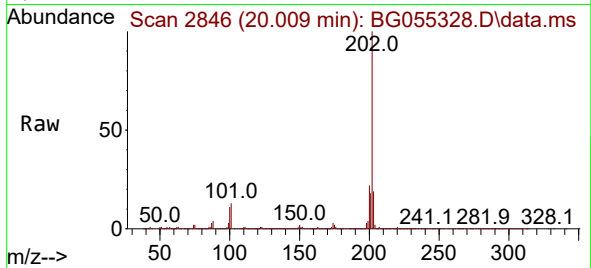




#78
Pyrene
Concen: 32.439 ng
RT: 20.009 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG055328.D
Acq: 27 Oct 2022 17:59

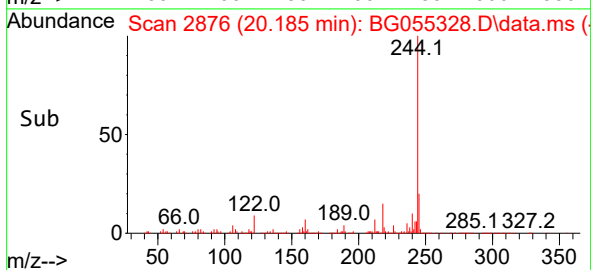
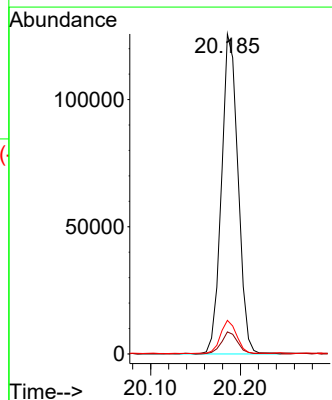
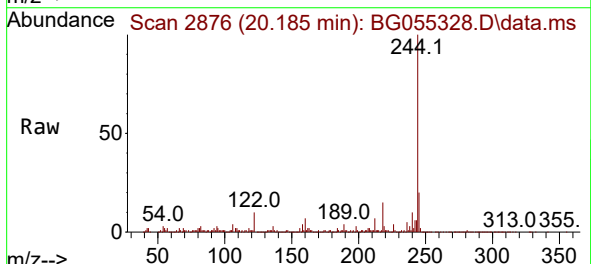
Instrument :
BNA_G
ClientSampleId :
2673DL

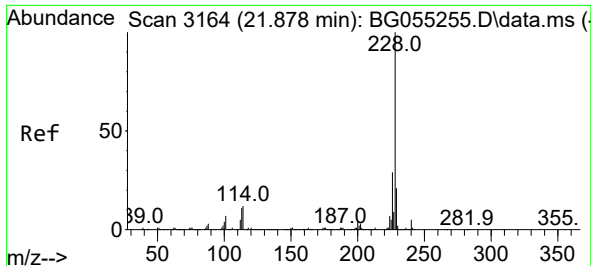
Tgt Ion:202 Resp: 570640
Ion Ratio Lower Upper
202 100
200 22.4 18.0 27.0
203 18.7 14.3 21.5



#79
Terphenyl-d14
Concen: 13.025 ng
RT: 20.185 min Scan# 2876
Delta R.T. -0.006 min
Lab File: BG055328.D
Acq: 27 Oct 2022 17:59

Tgt Ion:244 Resp: 160892
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 10.5 9.6 14.4

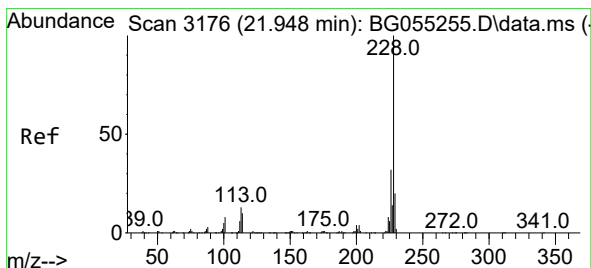
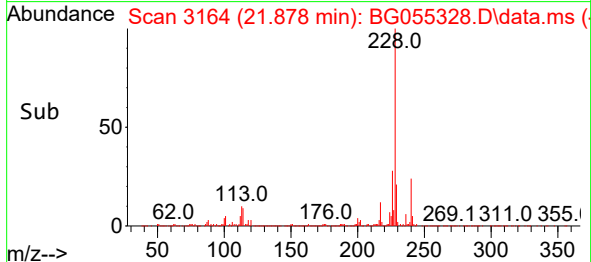
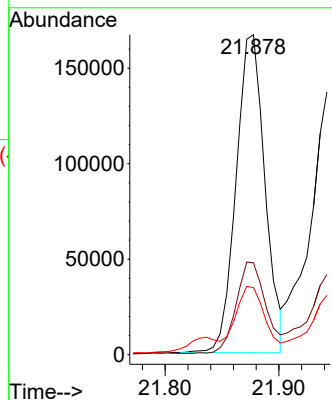
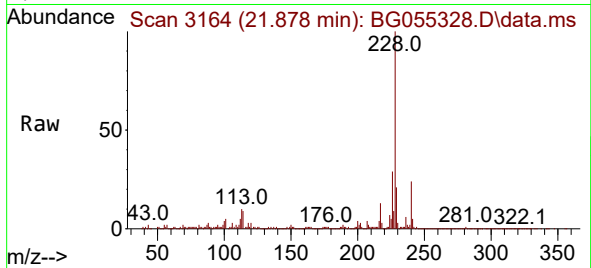




#81
Benzo(a)anthracene
Concen: 17.027 ng
RT: 21.878 min Scan# 3164
Delta R.T. -0.000 min
Lab File: BG055328.D
Acq: 27 Oct 2022 17:59

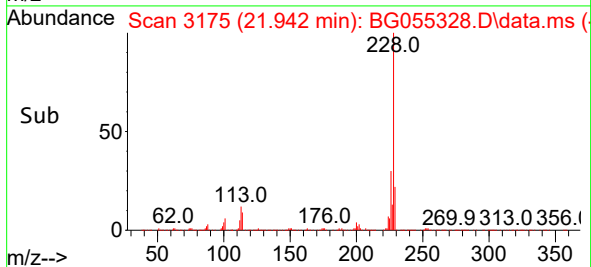
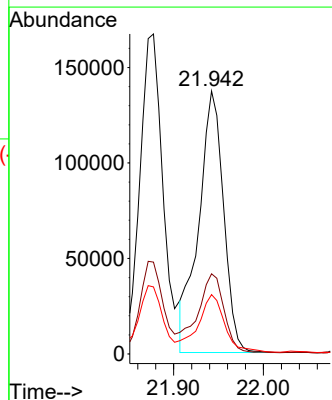
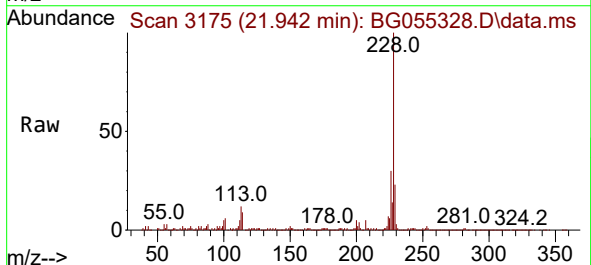
Instrument :
BNA_G
ClientSampleId :
2673DL

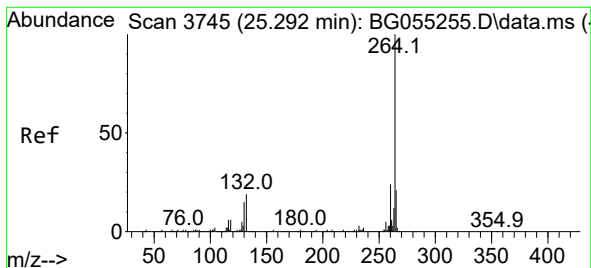
Tgt Ion:228 Resp: 293439
Ion Ratio Lower Upper
228 100
226 28.7 22.9 34.3
229 21.0 16.7 25.1



#83
Chrysene
Concen: 16.109 ng
RT: 21.942 min Scan# 3175
Delta R.T. -0.006 min
Lab File: BG055328.D
Acq: 27 Oct 2022 17:59

Tgt Ion:228 Resp: 263712
Ion Ratio Lower Upper
228 100
226 30.5 25.8 38.8
229 22.6 16.3 24.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.297 min Scan# 31

Delta R.T. 0.006 min

Lab File: BG055328.D

Acq: 27 Oct 2022 17:59

Instrument :

BNA_G

ClientSampleId :

2673DL

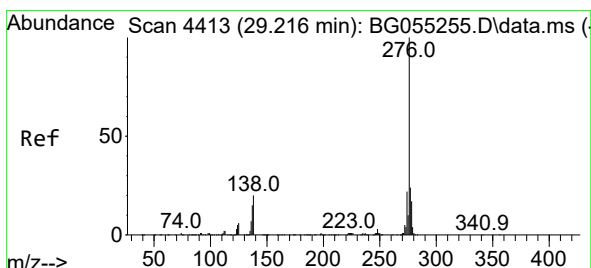
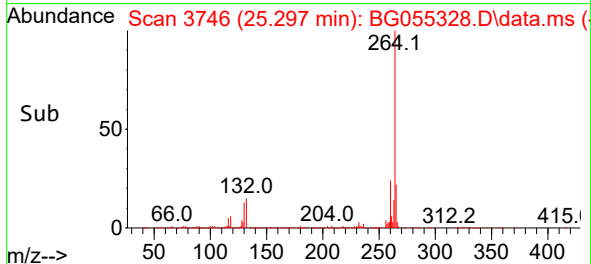
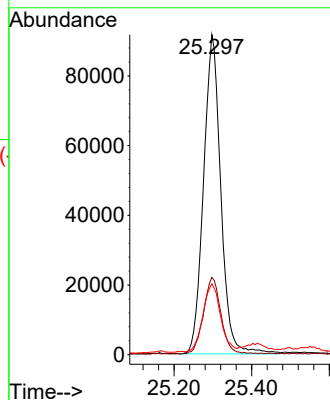
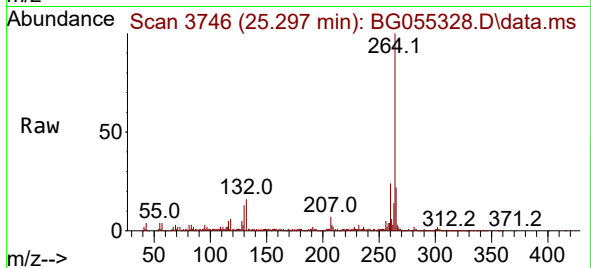
Tgt Ion:264 Resp: 283504

Ion Ratio Lower Upper

264 100

260 24.1 19.5 29.3

265 22.2 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.275 ng

RT: 29.216 min Scan# 4413

Delta R.T. -0.000 min

Lab File: BG055328.D

Acq: 27 Oct 2022 17:59

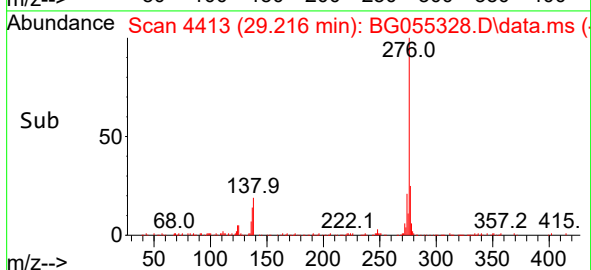
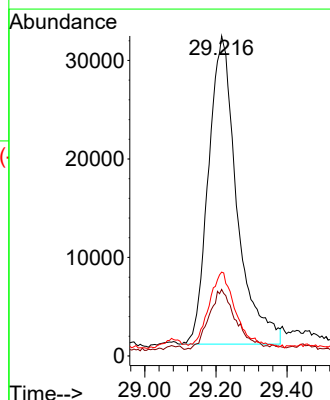
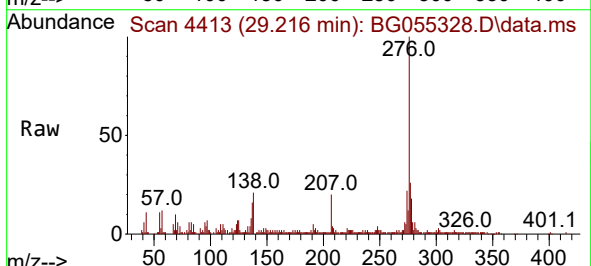
Tgt Ion:276 Resp: 173261

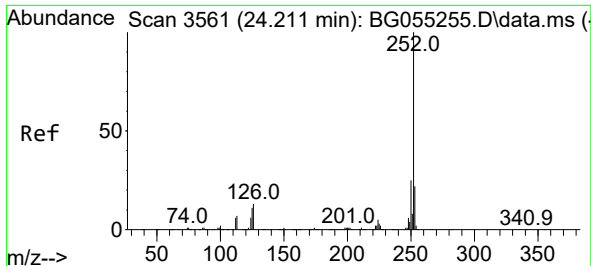
Ion Ratio Lower Upper

276 100

138 18.3 13.9 20.9

277 23.2 20.3 30.5

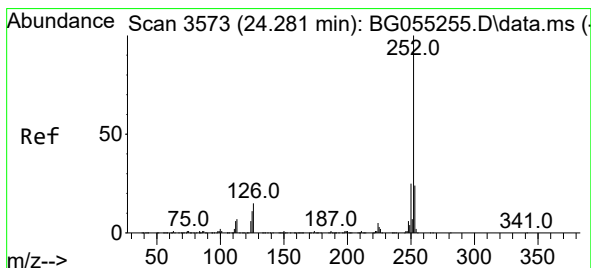
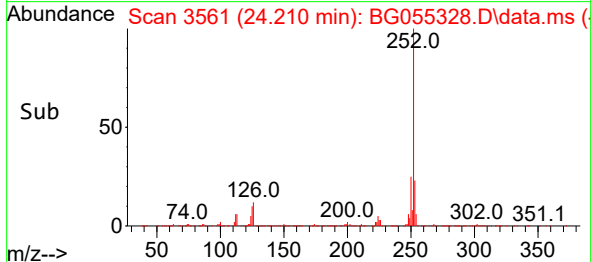
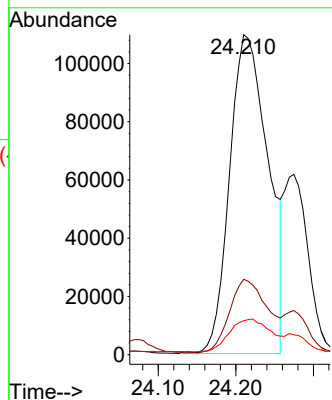
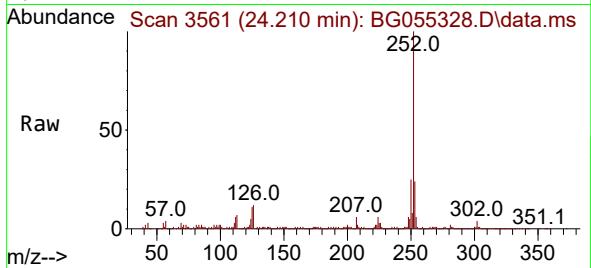




#88
Benzo(b)fluoranthene
Concen: 22.206 ng
RT: 24.210 min Scan# 3561
Delta R.T. -0.000 min
Lab File: BG055328.D
Acq: 27 Oct 2022 17:59

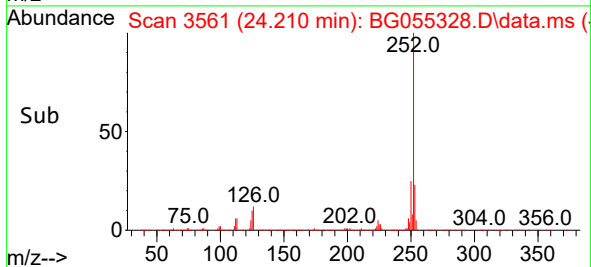
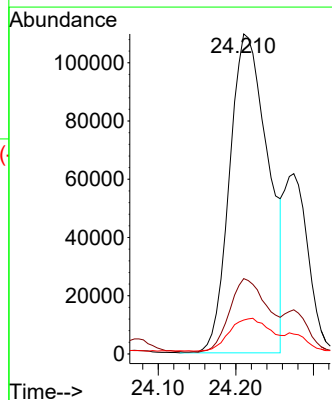
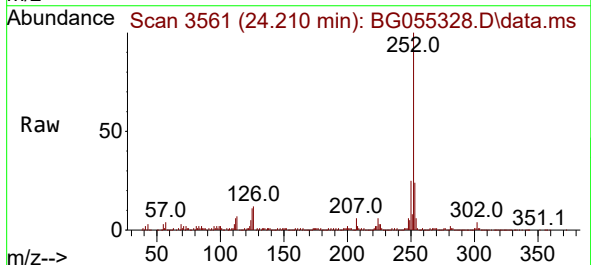
Instrument :
BNA_G
ClientSampleId :
2673DL

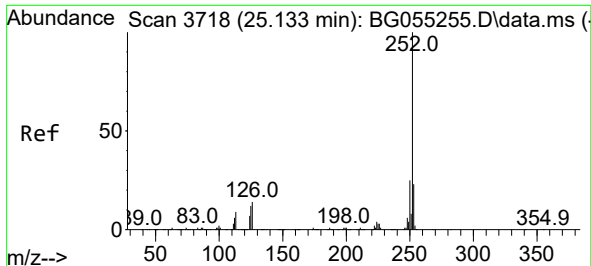
Tgt Ion:252 Resp: 378689
Ion Ratio Lower Upper
252 100
253 23.6 17.6 26.4
125 10.6 9.0 13.4



#89
Benzo(k)fluoranthene
Concen: 21.992 ng
RT: 24.210 min Scan# 3561
Delta R.T. -0.071 min
Lab File: BG055328.D
Acq: 27 Oct 2022 17:59

Tgt Ion:252 Resp: 378689
Ion Ratio Lower Upper
252 100
253 23.6 18.6 27.8
125 10.6 9.1 13.7

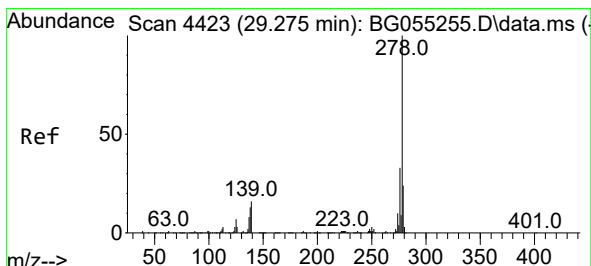
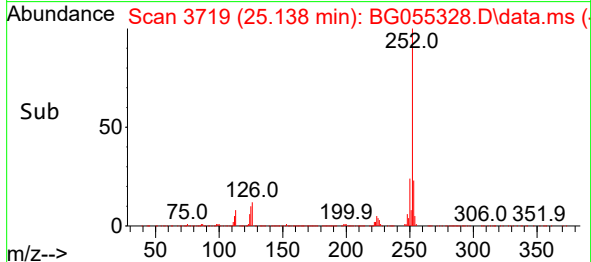
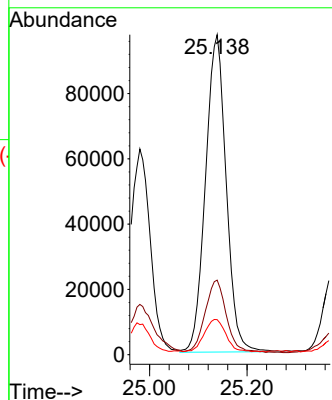
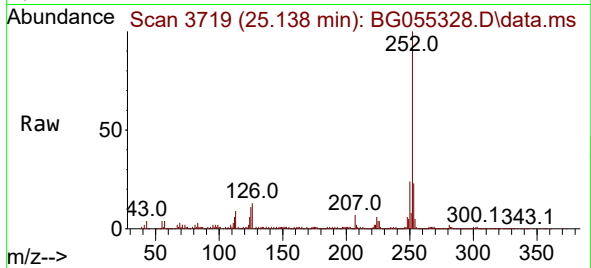




#90
Benzo(a)pyrene
Concen: 19.554 ng
RT: 25.138 min Scan# 31
Delta R.T. 0.005 min
Lab File: BG055328.D
Acq: 27 Oct 2022 17:59

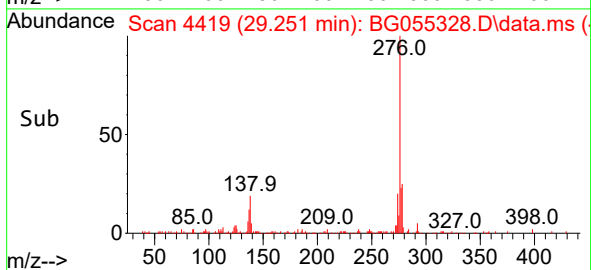
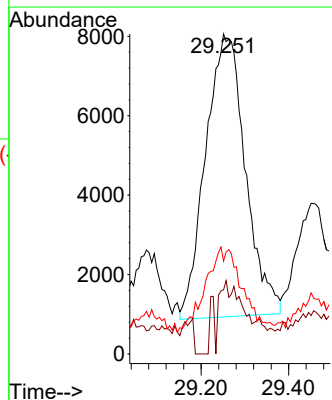
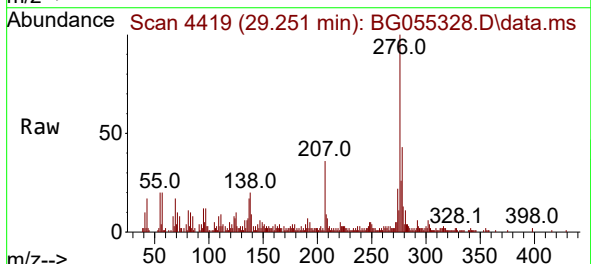
Instrument :
BNA_G
ClientSampleId :
2673DL

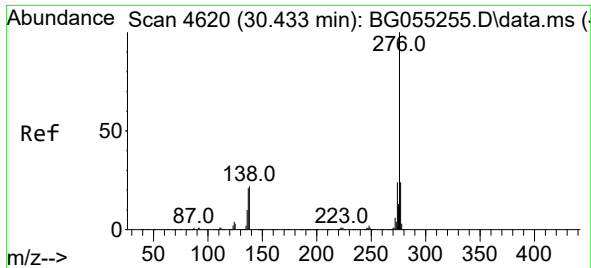
Tgt Ion:252 Resp: 285954
Ion Ratio Lower Upper
252 100
253 23.3 18.2 27.2
125 11.0 9.8 14.8



#91
Dibenzo(a,h)anthracene
Concen: 2.616 ng
RT: 29.251 min Scan# 4419
Delta R.T. -0.024 min
Lab File: BG055328.D
Acq: 27 Oct 2022 17:59

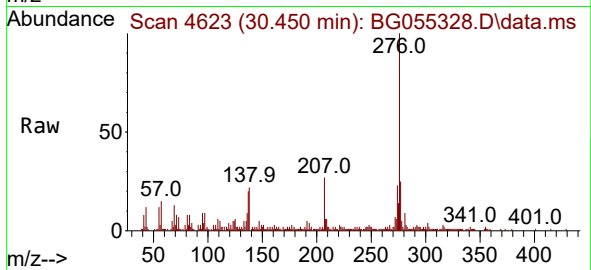
Tgt Ion:278 Resp: 44945
Ion Ratio Lower Upper
278 100
139 20.1 12.9 19.3#
279 29.0 19.0 28.6#





#92
Benzo(g,h,i)perylene
Concen: 9.250 ng
RT: 30.450 min Scan# 4
Delta R.T. 0.017 min
Lab File: BG055328.D
Acq: 27 Oct 2022 17:59

Instrument :
BNA_G
ClientSampleId :
2673DL



Tgt Ion:	276	Resp:	157658
Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.1	28.7
138	21.9	17.2	25.8

