

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
 Data File : BG056023.D
 Acq On : 19 Dec 2022 21:33
 Operator : CG/JU
 Sample : N6026-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-29-SB01

Quant Time: Dec 20 01:08:26 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 20 01:01:12 2022
 Response via : Initial Calibration

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

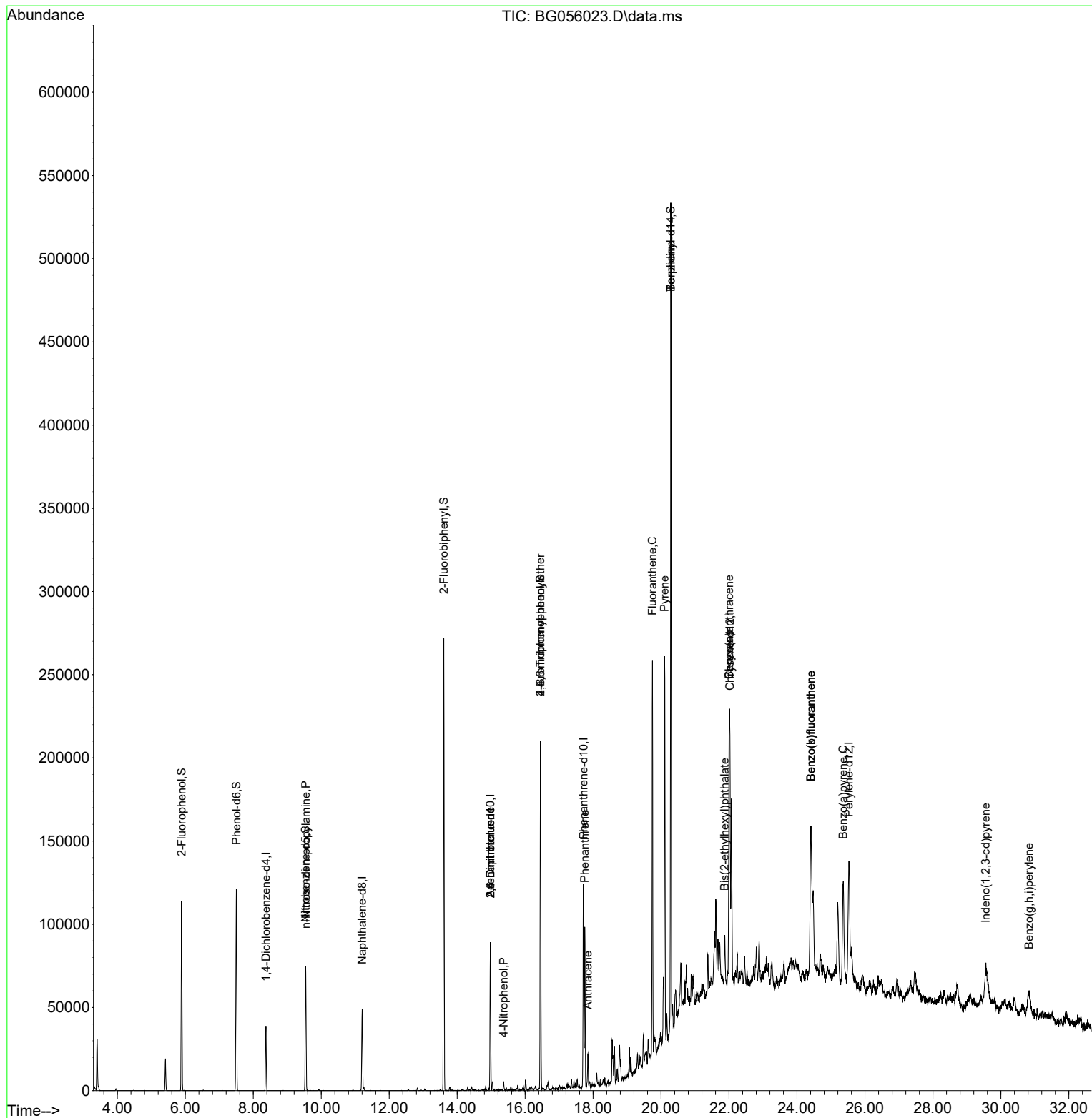
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.371	152	11884	20.000	ng	0.00
21) Naphthalene-d8	11.203	136	43209	20.000	ng	# 0.00
39) Acenaphthene-d10	14.975	164	33850	20.000	ng	0.00
64) Phenanthrene-d10	17.713	188	84009	20.000	ng	0.00
76) Chrysene-d12	22.026	240	85345	20.000	ng	# 0.00
86) Perylene-d12	25.527	264	106890	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.892	112	46480	91.723	ng	0.00
7) Phenol-d6	7.501	99	59672	91.558	ng	0.00
23) Nitrobenzene-d5	9.540	82	40382	65.310	ng	0.00
42) 2,4,6-Tribromophenol	16.450	330	53901	66.037	ng	-0.01
45) 2-Fluorobiphenyl	13.606	172	146465	60.684	ng	0.00
79) Terphenyl-d14	20.286	244	268948	55.696	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.546	70	6344	13.580	ng	# 67
51) 2,6-Dinitrotoluene	14.975	165	4698	10.374	ng	# 25
56) 4-Nitrophenol	15.369	139	1429	3.871	ng	# 1
57) 2,4-Dinitrotoluene	14.975	165	4698	6.872	ng	# 35
67) 4-Bromophenyl-phenylether	16.450	248	3090	2.510	ng	# 1
71) Phenanthrene	17.754	178	66733	15.158	ng	99
72) Anthracene	17.842	178	15077	3.462	ng	98
75) Fluoranthene	19.746	202	159504	25.873	ng	100
77) Benzidine	20.286	184	4560	3.042	ng	# 90
78) Pyrene	20.104	202	166889	32.316	ng	99
81) Benzo(a)anthracene	22.002	228	104376	17.380	ng	98
83) Chrysene	22.002	228	104376	18.544	ng	96
84) Bis(2-ethylhexyl)phtha...	21.873	149	9232	4.246	ng	# 95
87) Indeno(1,2,3-cd)pyrene	29.552	276	52487	6.106	ng	95
88) Benzo(b)fluoranthene	24.411	252	127136	18.378	ng	98
89) Benzo(k)fluoranthene	24.411	252	127136	18.420	ng	100
90) Benzo(a)pyrene	25.357	252	89371	15.284	ng	# 93
92) Benzo(g,h,i)perylene	30.827	276	45618	6.558	ng	98

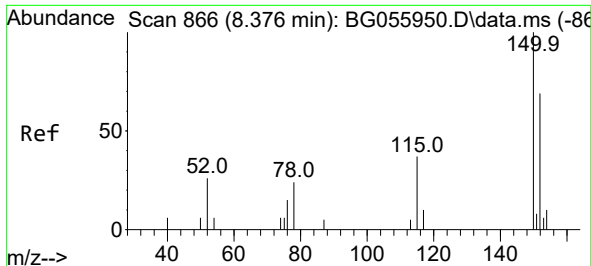
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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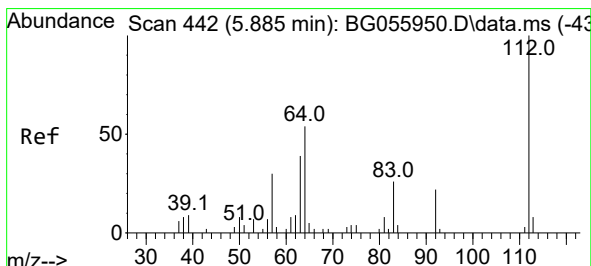
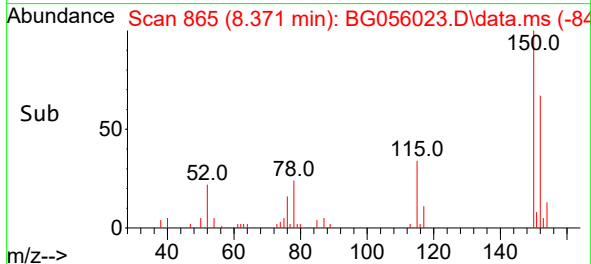
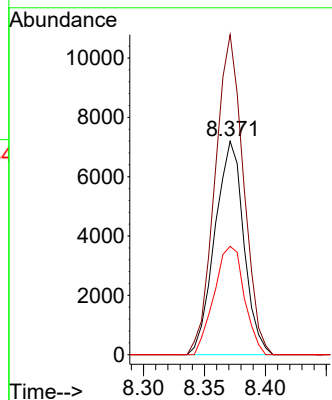
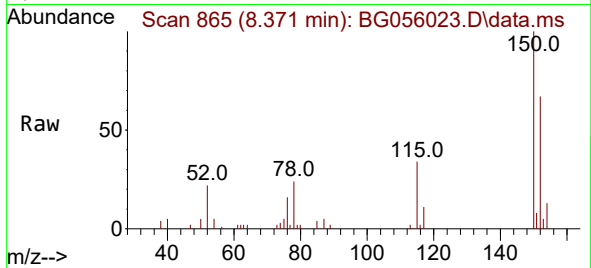




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.371 min Scan# 80
Delta R.T. 0.007 min
Lab File: BG056023.D
Acq: 19 Dec 2022 21:33

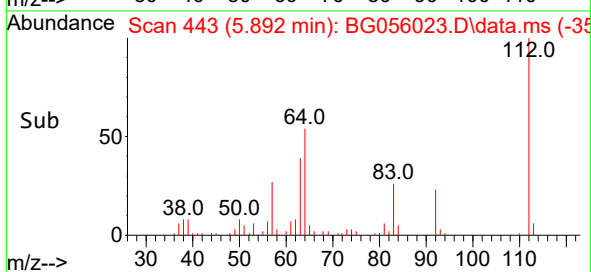
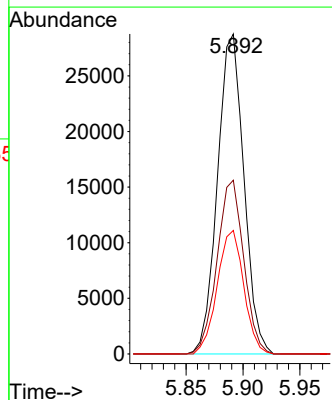
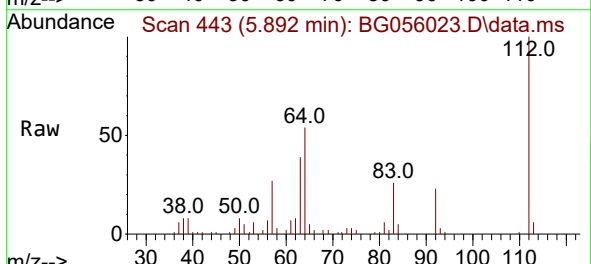
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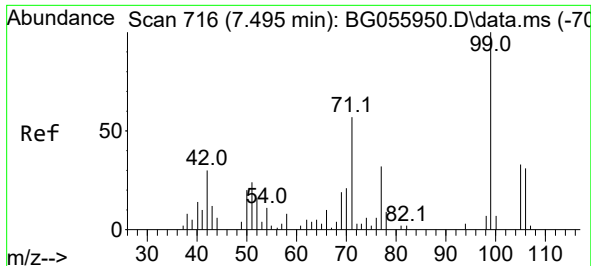
Tgt Ion:152 Resp: 11884
Ion Ratio Lower Upper
152 100
150 150.0 115.7 173.5
115 50.7 43.0 64.4



#5
2-Fluorophenol
Concen: 91.723 ng
RT: 5.892 min Scan# 443
Delta R.T. 0.007 min
Lab File: BG056023.D
Acq: 19 Dec 2022 21:33

Tgt Ion:112 Resp: 46480
Ion Ratio Lower Upper
112 100
64 54.3 43.0 64.4
63 38.6 31.4 47.2

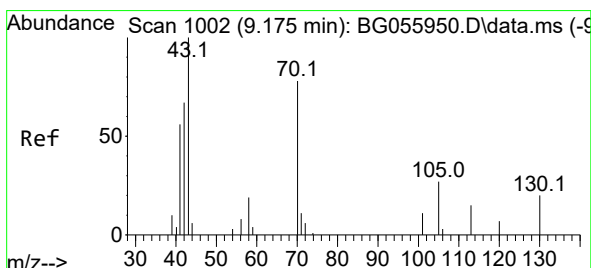
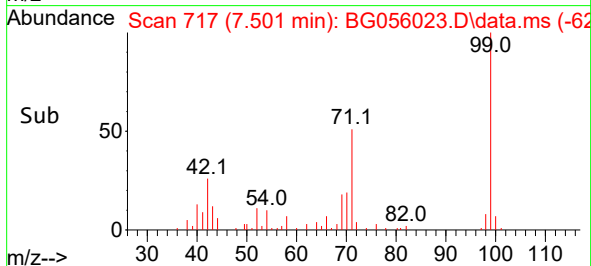
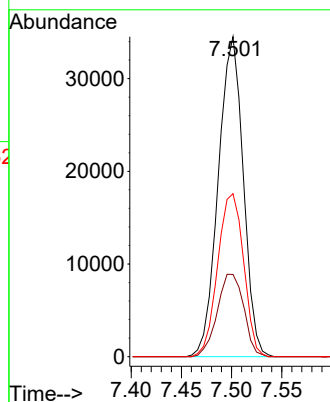
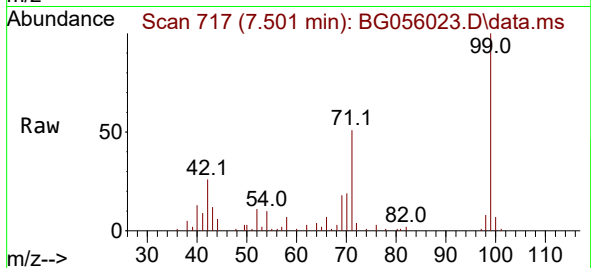




#7
Phenol-d6
Concen: 91.558 ng
RT: 7.501 min Scan# 71
Delta R.T. 0.007 min
Lab File: BG056023.D
Acq: 19 Dec 2022 21:33

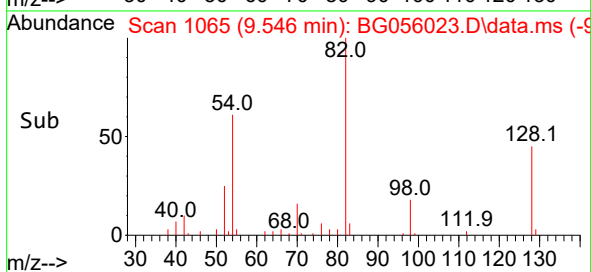
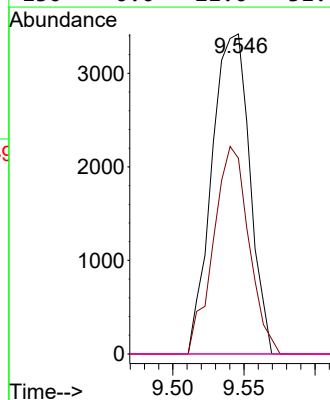
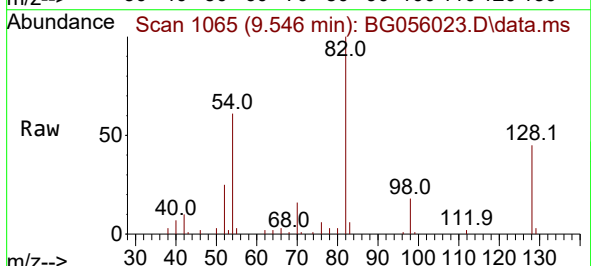
Instrument :
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ClientSampleId :
B-29-SB01

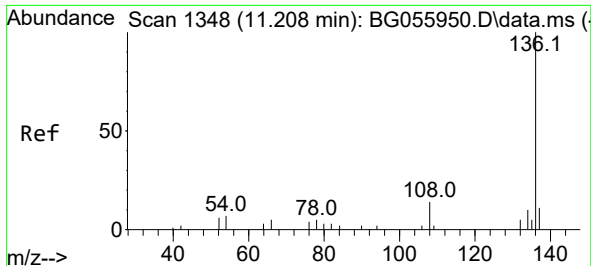
Tgt Ion: 99 Resp: 59672
Ion Ratio Lower Upper
99 100
42 25.7 24.3 36.5
71 50.9 45.6 68.4



#19
n-Nitroso-di-n-propylamine
Concen: 13.580 ng
RT: 9.546 min Scan# 1065
Delta R.T. 0.371 min
Lab File: BG056023.D
Acq: 19 Dec 2022 21:33

Tgt Ion: 70 Resp: 6344
Ion Ratio Lower Upper
70 100
42 61.2 69.0 103.4#
101 0.0 11.8 17.8#
130 0.0 21.0 31.4#

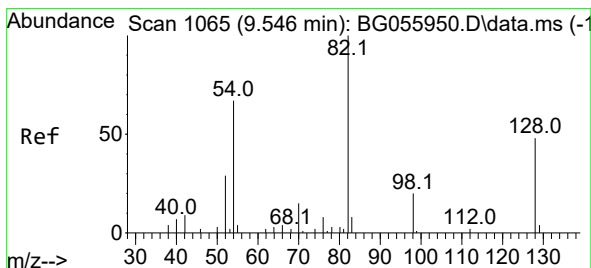
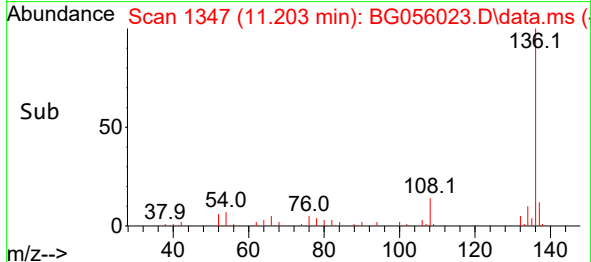
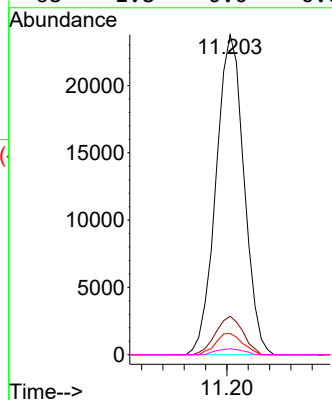
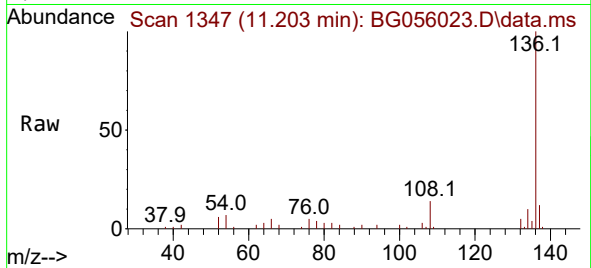




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.203 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG056023.D
Acq: 19 Dec 2022 21:33

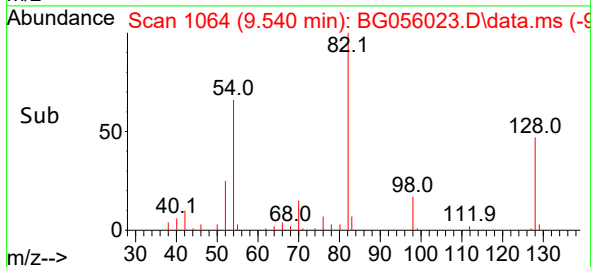
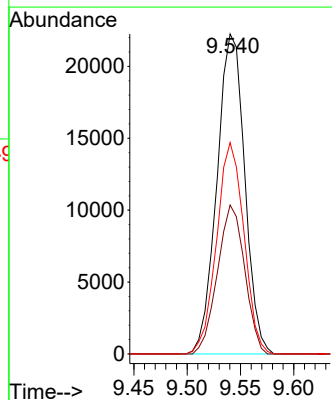
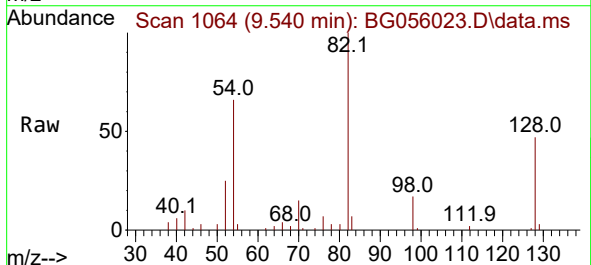
Instrument :
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ClientSampleId :
B-29-SB01

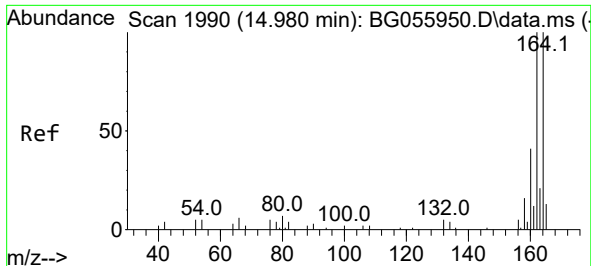
Tgt Ion:136 Resp: 43209
Ion Ratio Lower Upper
136 100
137 12.0 9.2 13.8
54 6.6 5.6 8.4
68 1.8 0.0 0.0#



#23
Nitrobenzene-d5
Concen: 65.310 ng
RT: 9.540 min Scan# 1064
Delta R.T. -0.005 min
Lab File: BG056023.D
Acq: 19 Dec 2022 21:33

Tgt Ion: 82 Resp: 40382
Ion Ratio Lower Upper
82 100
128 46.6 38.4 57.6
54 66.1 53.3 79.9

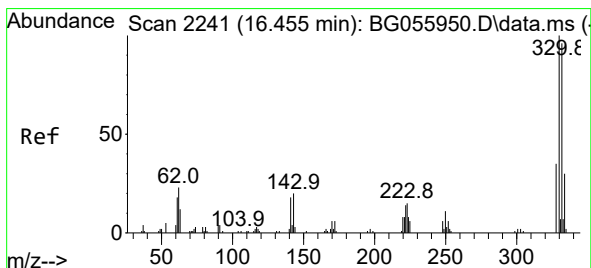
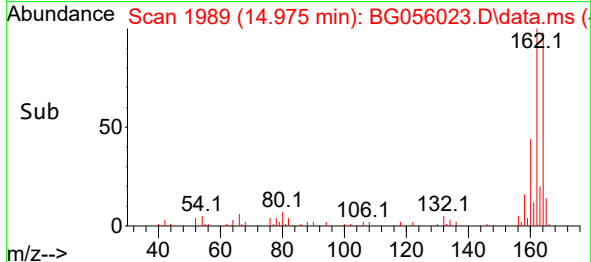
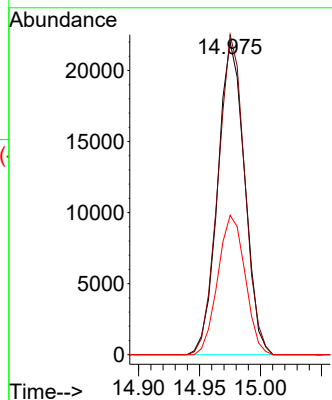
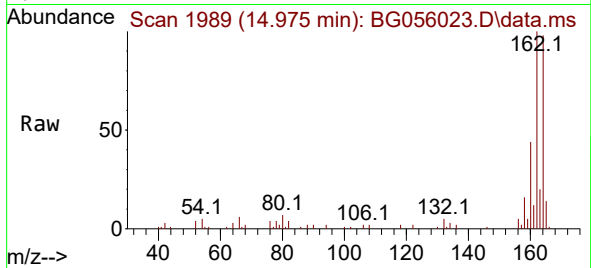




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.975 min Scan# 1989
 Delta R.T. -0.005 min
 Lab File: BG056023.D
 Acq: 19 Dec 2022 21:33

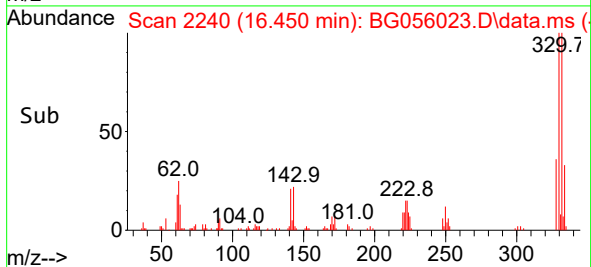
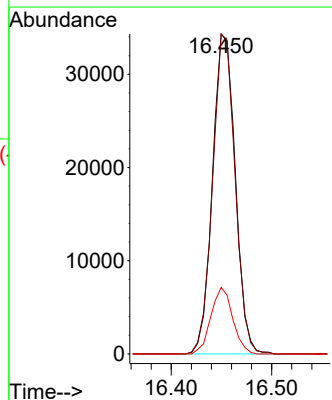
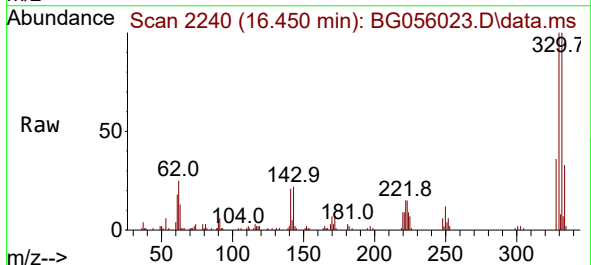
Instrument :
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 ClientSampleId :
 B-29-SB01

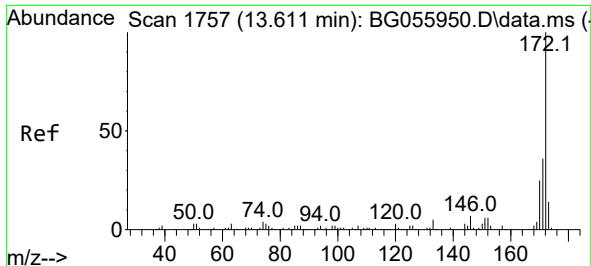
Tgt Ion:164 Resp: 33850
 Ion Ratio Lower Upper
 164 100
 162 102.3 79.8 119.8
 160 44.5 33.0 49.4



#42
 2,4,6-Tribromophenol
 Concen: 66.037 ng
 RT: 16.450 min Scan# 2240
 Delta R.T. -0.011 min
 Lab File: BG056023.D
 Acq: 19 Dec 2022 21:33

Tgt Ion:330 Resp: 53901
 Ion Ratio Lower Upper
 330 100
 332 98.7 76.6 114.8
 141 19.9 15.0 22.4

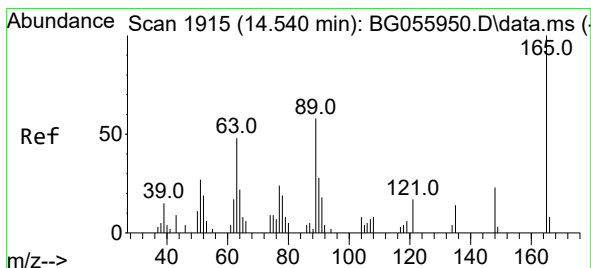
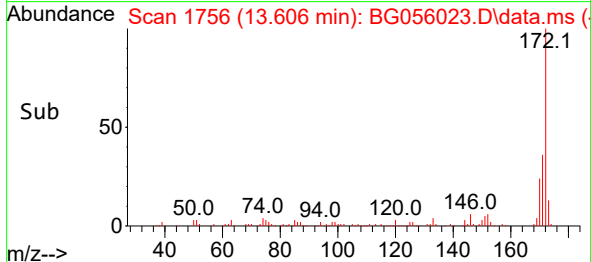
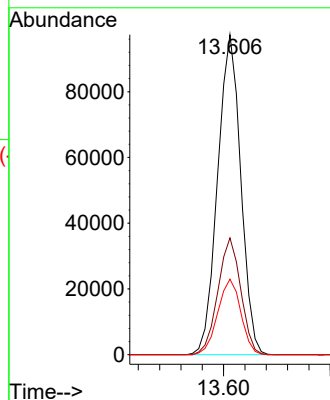
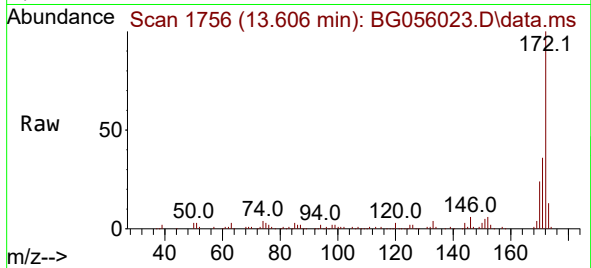




#45
2-Fluorobiphenyl
Concen: 60.684 ng
RT: 13.606 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG056023.D
Acq: 19 Dec 2022 21:33

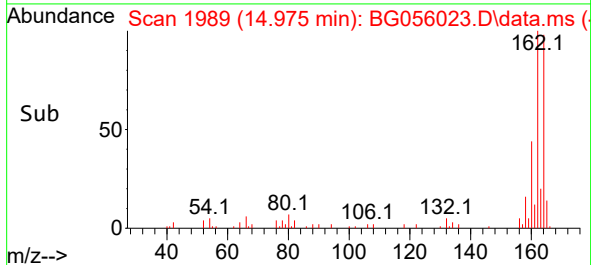
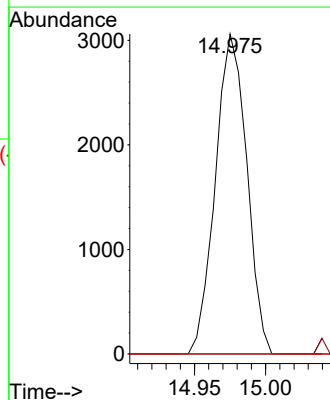
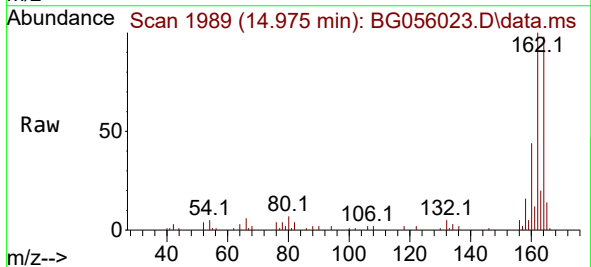
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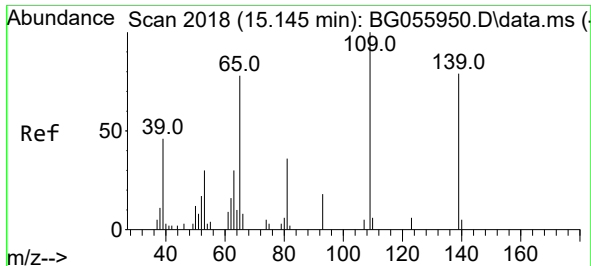
Tgt Ion:172 Resp: 146465
Ion Ratio Lower Upper
172 100
171 36.5 28.6 42.8
170 23.6 19.9 29.9



#51
2,6-Dinitrotoluene
Concen: 10.374 ng
RT: 14.975 min Scan# 1989
Delta R.T. 0.436 min
Lab File: BG056023.D
Acq: 19 Dec 2022 21:33

Tgt Ion:165 Resp: 4698
Ion Ratio Lower Upper
165 100
63 0.0 38.3 57.5#
89 0.0 46.3 69.5#

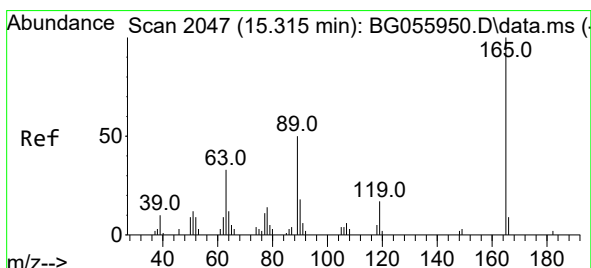
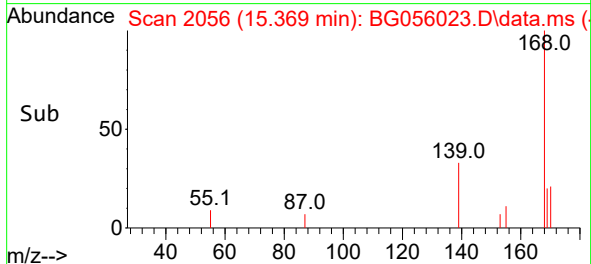
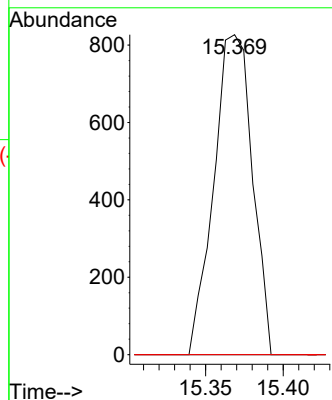
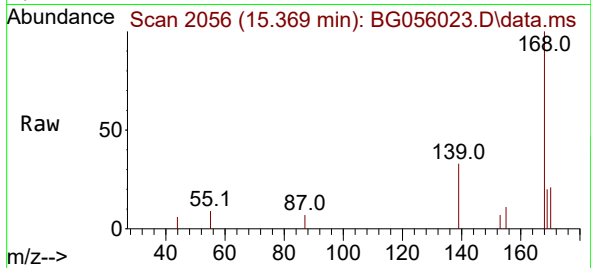




#56
4-Nitrophenol
Concen: 3.871 ng
RT: 15.369 min Scan# 2018
Delta R.T. 0.219 min
Lab File: BG056023.D
Acq: 19 Dec 2022 21:33

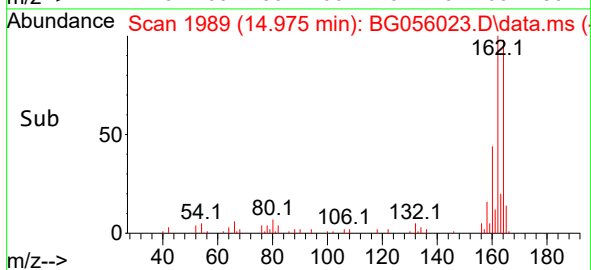
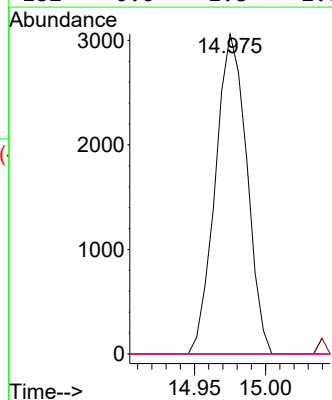
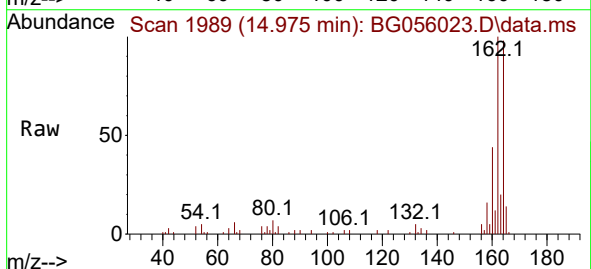
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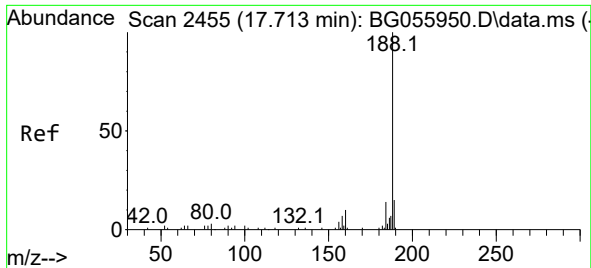
Tgt Ion:139 Resp: 1429
Ion Ratio Lower Upper
139 100
109 0.0 106.7 146.7#
65 0.0 79.2 119.2#



#57
2,4-Dinitrotoluene
Concen: 6.872 ng
RT: 14.975 min Scan# 1989
Delta R.T. -0.345 min
Lab File: BG056023.D
Acq: 19 Dec 2022 21:33

Tgt Ion:165 Resp: 4698
Ion Ratio Lower Upper
165 100
63 0.0 26.6 39.8#
89 0.0 40.1 60.1#
182 0.0 1.8 2.6#

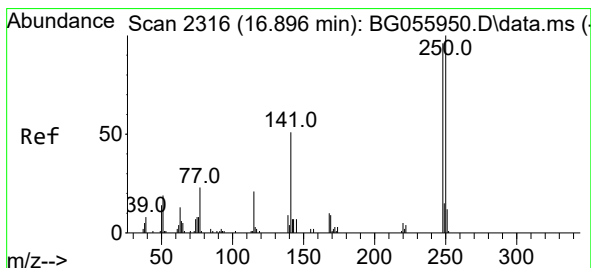
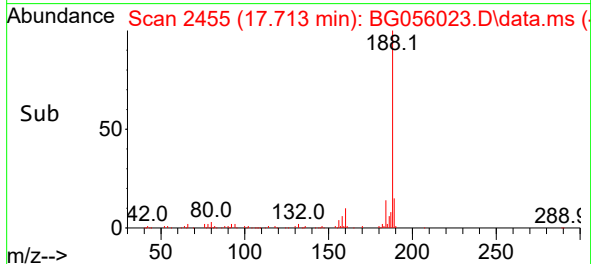
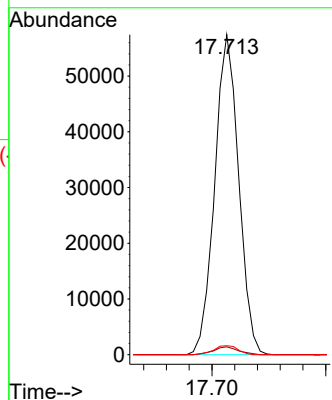
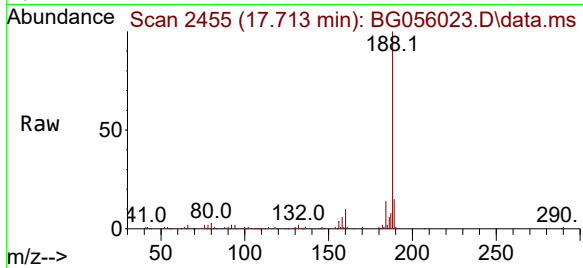




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.713 min Scan# 2455
Delta R.T. -0.005 min
Lab File: BG056023.D
Acq: 19 Dec 2022 21:33

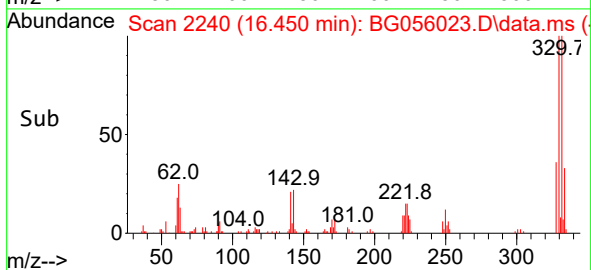
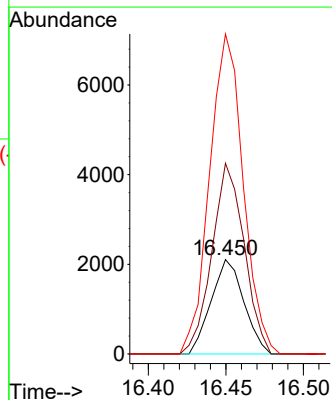
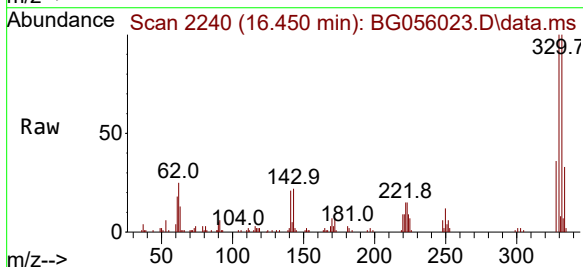
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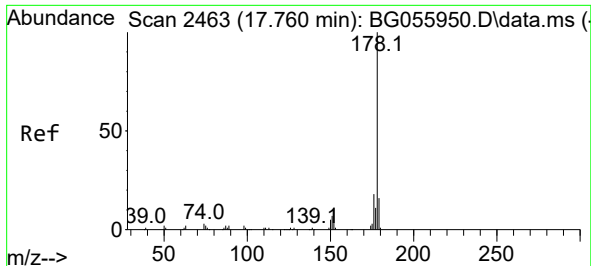
Tgt Ion:188 Resp: 84009
Ion Ratio Lower Upper
188 100
94 2.4 1.8 2.8
80 2.8 2.4 3.6



#67
4-Bromophenyl-phenylether
Concen: 2.510 ng
RT: 16.450 min Scan# 2240
Delta R.T. -0.445 min
Lab File: BG056023.D
Acq: 19 Dec 2022 21:33

Tgt Ion:248 Resp: 3090
Ion Ratio Lower Upper
248 100
250 202.0 83.0 124.6#
141 339.0 42.6 64.0#

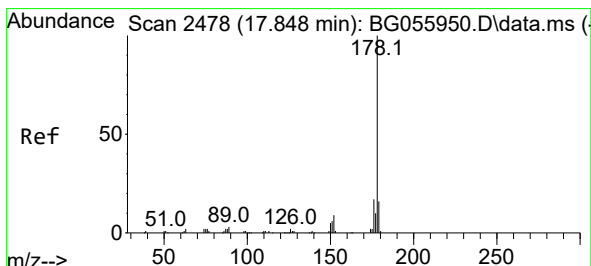
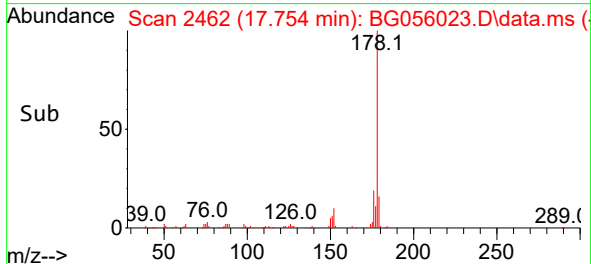
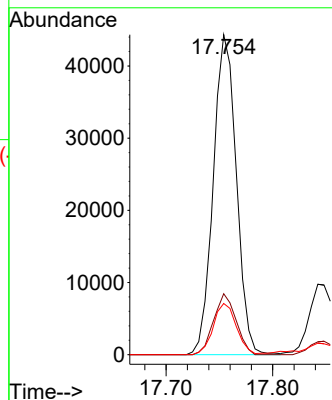
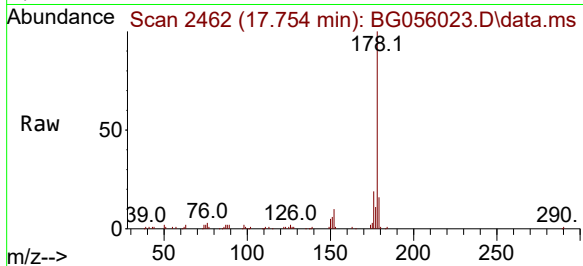




#71
Phenanthrene
Concen: 15.158 ng
RT: 17.754 min Scan# 2462
Delta R.T. -0.005 min
Lab File: BG056023.D
Acq: 19 Dec 2022 21:33

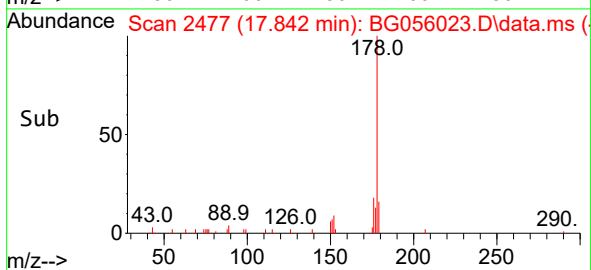
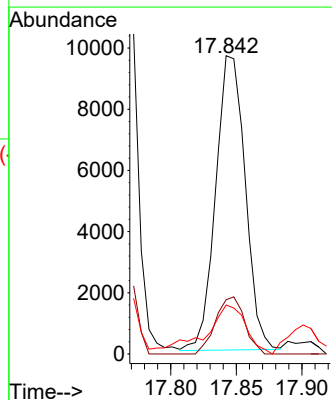
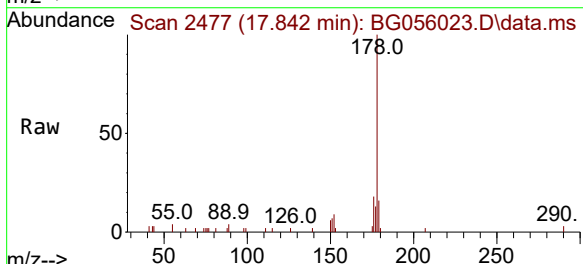
Instrument :
BNA_G
ClientSampleId :
B-29-SB01

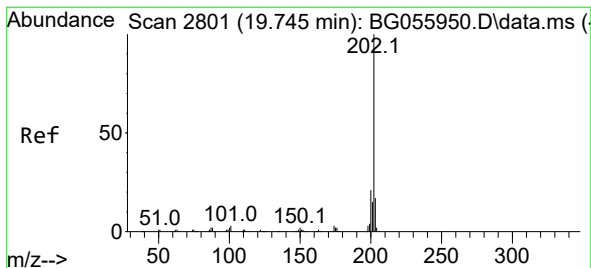
Tgt Ion:178 Resp: 66733
Ion Ratio Lower Upper
178 100
176 19.0 14.4 21.6
179 16.0 12.7 19.1



#72
Anthracene
Concen: 3.462 ng
RT: 17.842 min Scan# 2477
Delta R.T. -0.011 min
Lab File: BG056023.D
Acq: 19 Dec 2022 21:33

Tgt Ion:178 Resp: 15077
Ion Ratio Lower Upper
178 100
176 18.2 13.9 20.9
179 16.4 12.7 19.1





#75

Fluoranthene

Concen: 25.873 ng

RT: 19.746 min Scan# 2801

Delta R.T. -0.005 min

Lab File: BG056023.D

Acq: 19 Dec 2022 21:33

Instrument :

BNA_G

ClientSampleId :

B-29-SB01

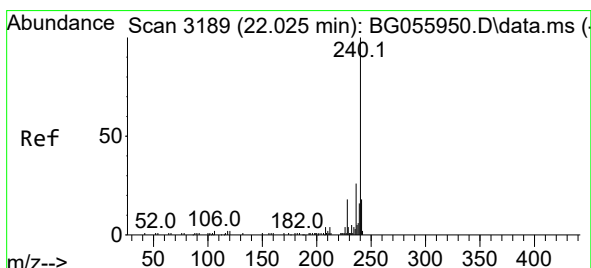
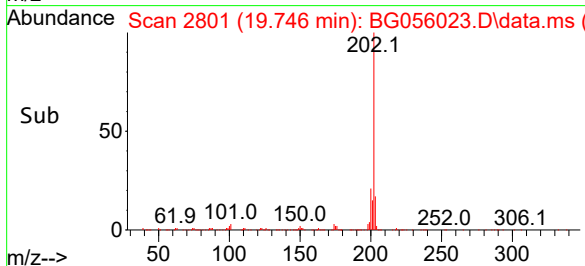
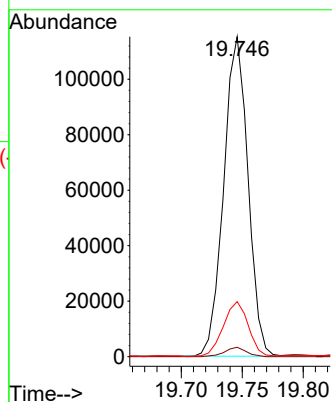
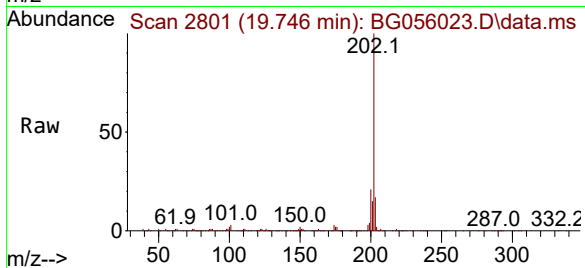
Tgt Ion:202 Resp: 159504

Ion Ratio Lower Upper

202 100

101 3.0 0.0 22.6

203 17.2 0.0 37.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.026 min Scan# 3189

Delta R.T. -0.005 min

Lab File: BG056023.D

Acq: 19 Dec 2022 21:33

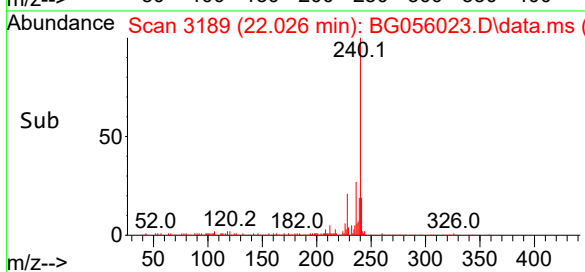
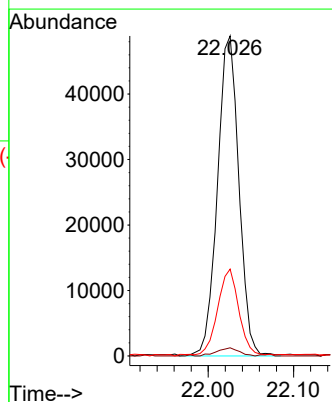
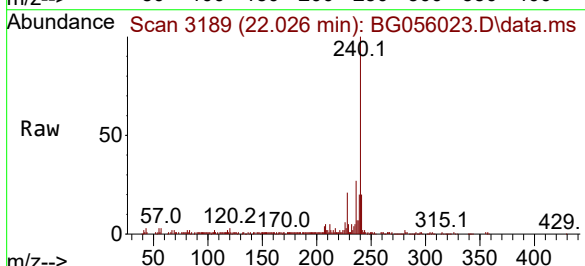
Tgt Ion:240 Resp: 85345

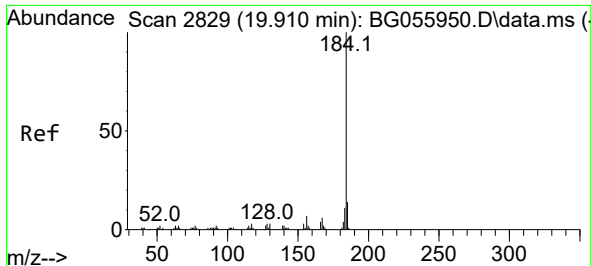
Ion Ratio Lower Upper

240 100

120 2.6 1.7 2.5#

236 27.1 21.1 31.7

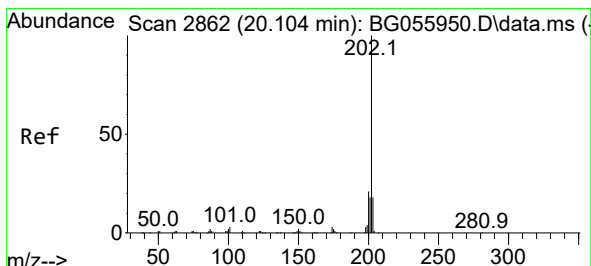
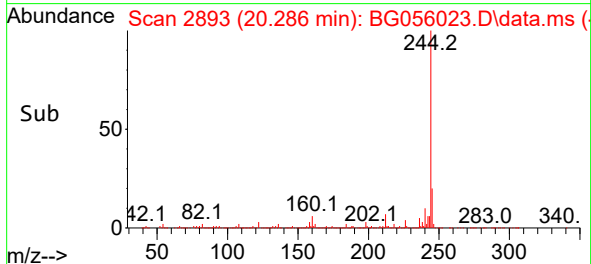
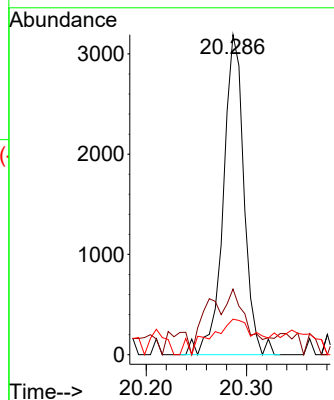
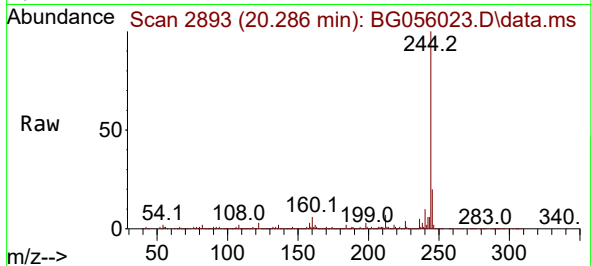




#77
Benzidine
Concen: 3.042 ng
RT: 20.286 min Scan# 21
Delta R.T. 0.371 min
Lab File: BG056023.D
Acq: 19 Dec 2022 21:33

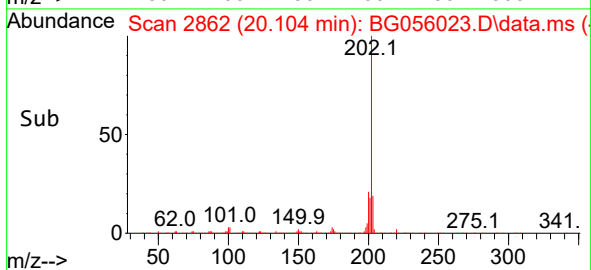
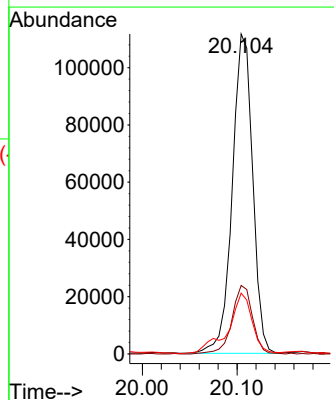
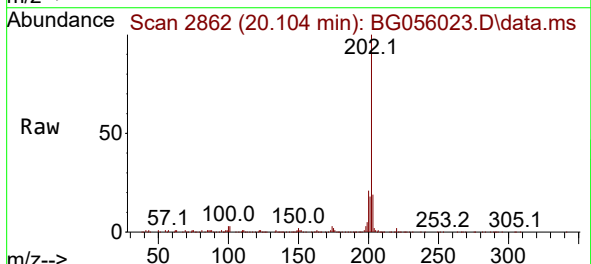
Instrument :
BNA_G
ClientSampleId :
B-29-SB01

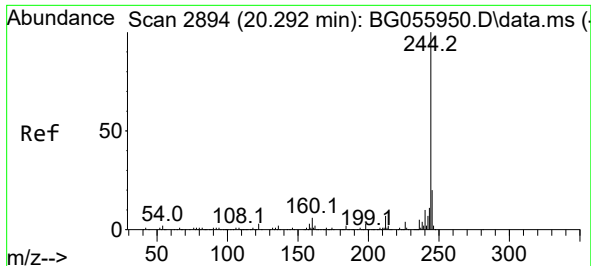
Tgt Ion:184 Resp: 4560
Ion Ratio Lower Upper
184 100
185 20.5 10.9 16.3#
183 11.1 9.2 13.8



#78
Pyrene
Concen: 32.316 ng
RT: 20.104 min Scan# 2862
Delta R.T. -0.005 min
Lab File: BG056023.D
Acq: 19 Dec 2022 21:33

Tgt Ion:202 Resp: 166889
Ion Ratio Lower Upper
202 100
200 21.4 16.7 25.1
203 19.0 14.6 21.8

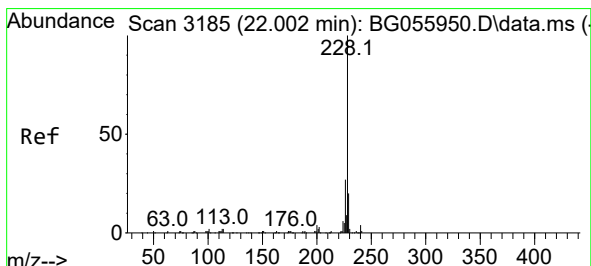
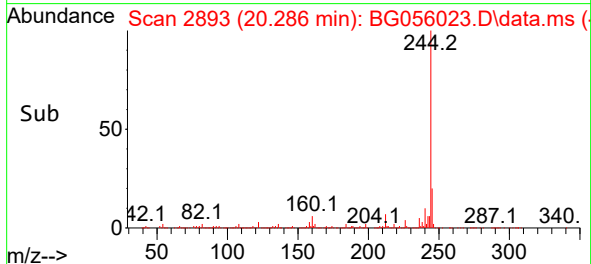
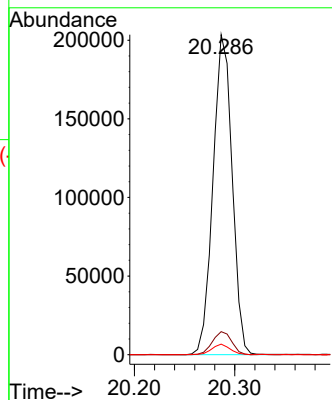
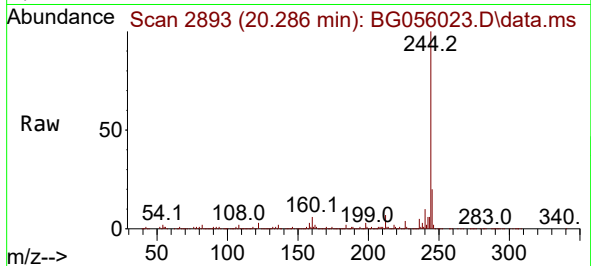




#79
 Terphenyl-d14
 Concen: 55.696 ng
 RT: 20.286 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG056023.D
 Acq: 19 Dec 2022 21:33

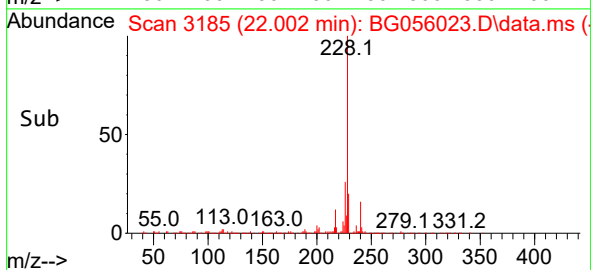
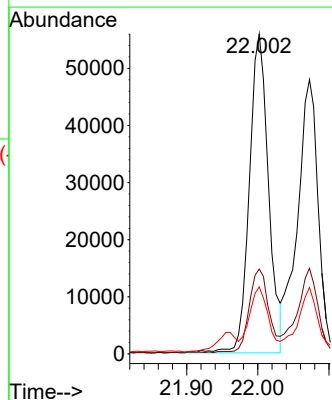
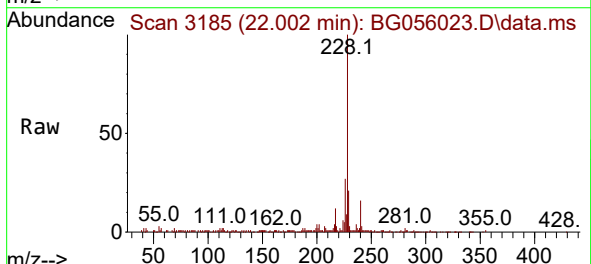
Instrument :
 BNA_G
 ClientSampleId :
 B-29-SB01

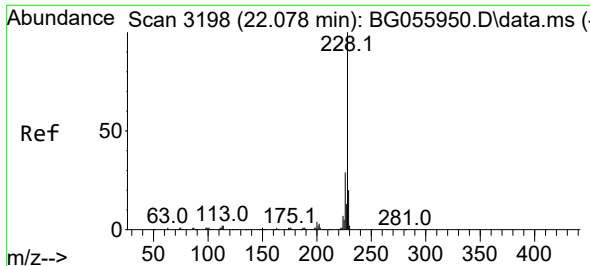
Tgt Ion:244 Resp: 268948
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 3.3 2.5 3.7



#81
 Benzo(a)anthracene
 Concen: 17.380 ng
 RT: 22.002 min Scan# 3185
 Delta R.T. -0.005 min
 Lab File: BG056023.D
 Acq: 19 Dec 2022 21:33

Tgt Ion:228 Resp: 104376
 Ion Ratio Lower Upper
 228 100
 226 26.6 21.8 32.6
 229 21.0 15.9 23.9

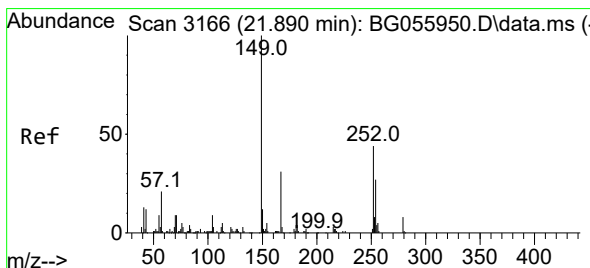
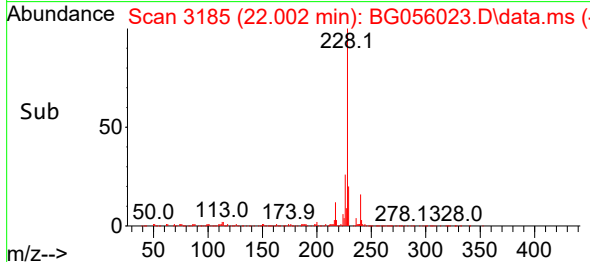
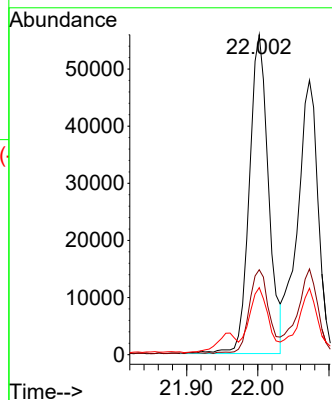
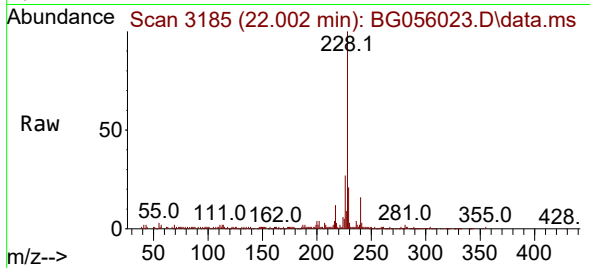




#83
Chrysene
Concen: 18.544 ng
RT: 22.002 min Scan# 3198
Delta R.T. -0.075 min
Lab File: BG056023.D
Acq: 19 Dec 2022 21:33

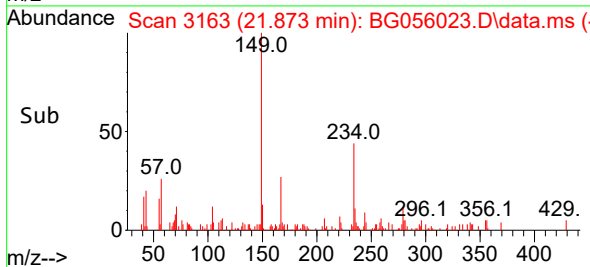
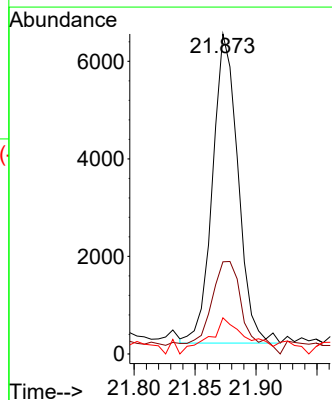
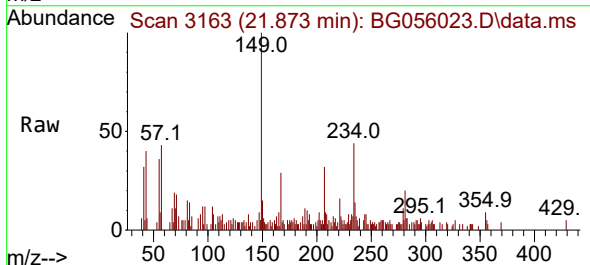
Instrument :
BNA_G
ClientSampleId :
B-29-SB01

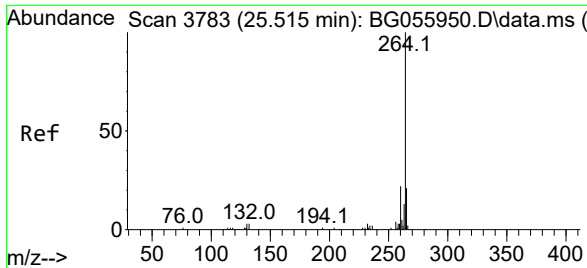
Tgt Ion:228 Resp: 104376
Ion Ratio Lower Upper
228 100
226 26.6 23.1 34.7
229 21.0 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.246 ng
RT: 21.873 min Scan# 3163
Delta R.T. -0.011 min
Lab File: BG056023.D
Acq: 19 Dec 2022 21:33

Tgt Ion:149 Resp: 9232
Ion Ratio Lower Upper
149 100
167 28.8 24.6 36.8
279 11.3 6.3 9.5#

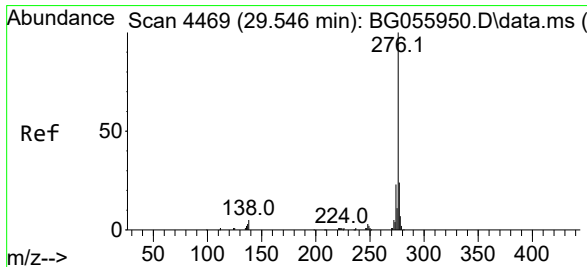
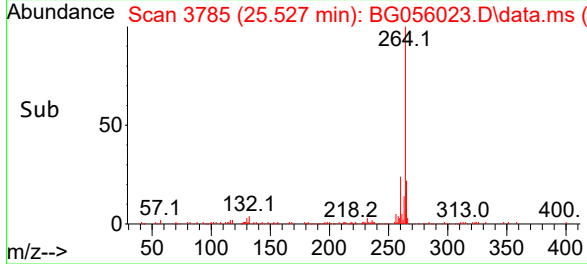
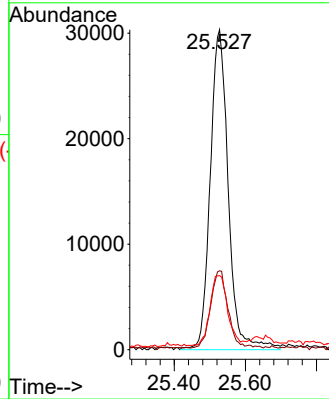
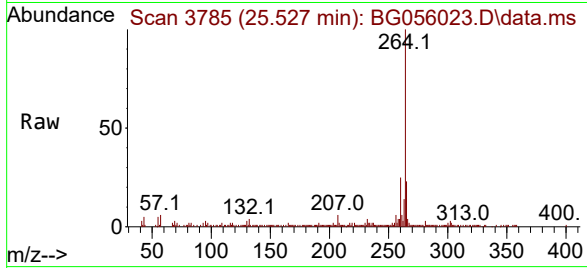




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.527 min Scan# 31
 Delta R.T. 0.001 min
 Lab File: BG056023.D
 Acq: 19 Dec 2022 21:33

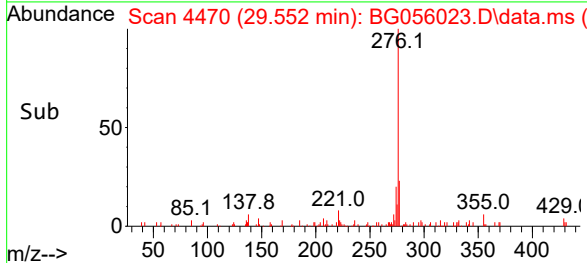
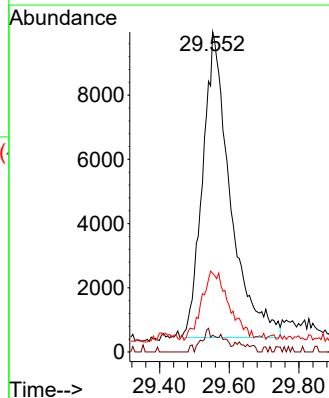
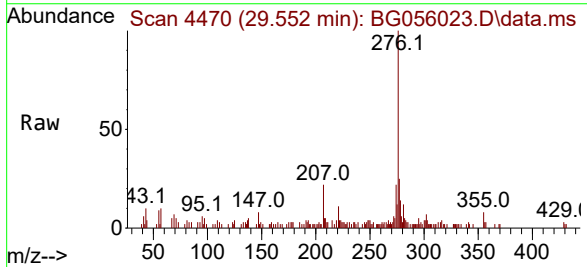
Instrument :
 BNA_G
 ClientSampleId :
 B-29-SB01

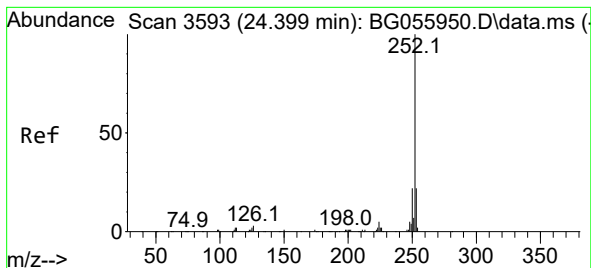
Tgt Ion:264	Resp: 106890
Ion Ratio	Lower Upper
264	100
260	24.6 17.8 26.8
265	23.1 16.6 25.0



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.106 ng
 RT: 29.552 min Scan# 4470
 Delta R.T. -0.005 min
 Lab File: BG056023.D
 Acq: 19 Dec 2022 21:33

Tgt Ion:276	Resp: 52487
Ion Ratio	Lower Upper
276	100
138	3.6 3.0 4.4
277	22.8 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 18.378 ng

RT: 24.411 min Scan# 3595

Delta R.T. 0.007 min

Lab File: BG056023.D

Acq: 19 Dec 2022 21:33

Instrument :

BNA_G

ClientSampleId :

B-29-SB01

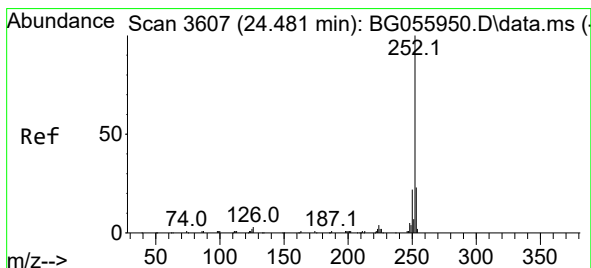
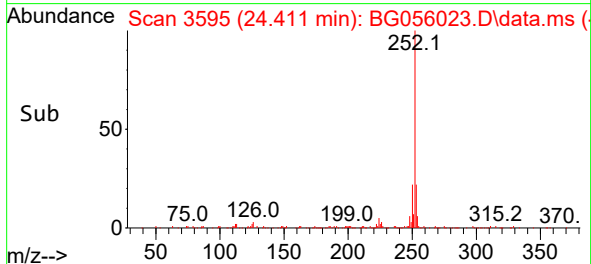
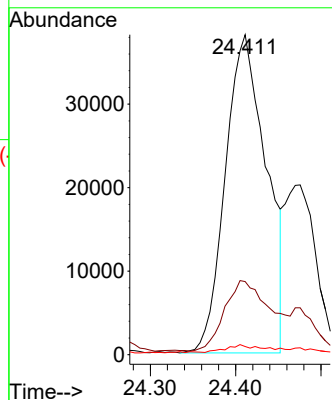
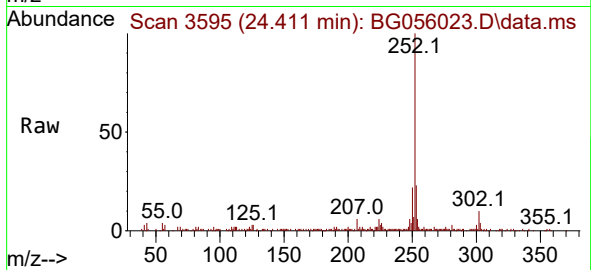
Tgt Ion:252 Resp: 127136

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

125 2.6 1.8 2.8



#89

Benzo(k)fluoranthene

Concen: 18.420 ng

RT: 24.411 min Scan# 3595

Delta R.T. -0.075 min

Lab File: BG056023.D

Acq: 19 Dec 2022 21:33

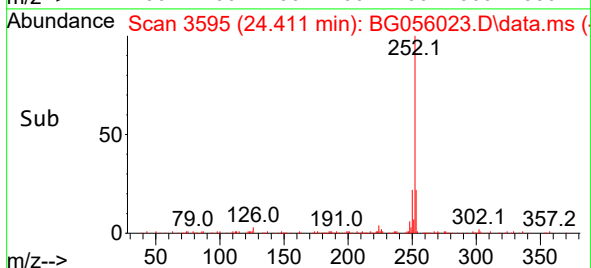
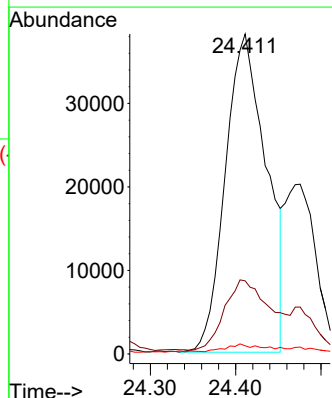
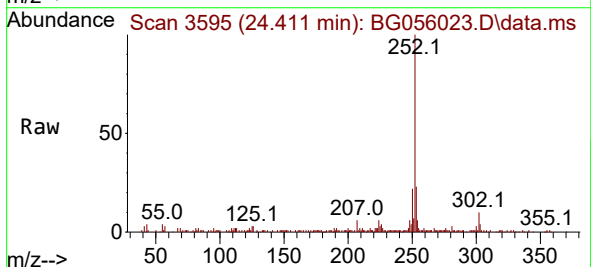
Tgt Ion:252 Resp: 127136

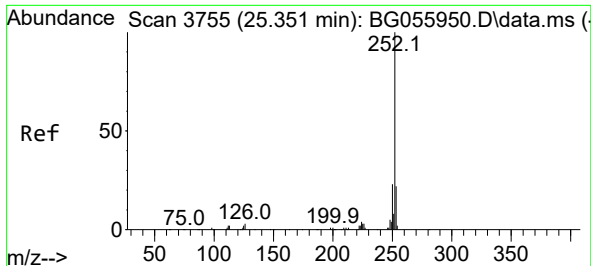
Ion Ratio Lower Upper

252 100

253 22.8 18.2 27.2

125 2.6 2.0 3.0

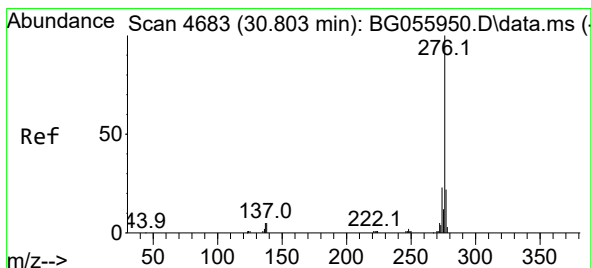
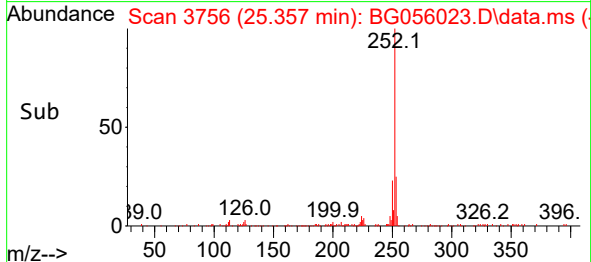
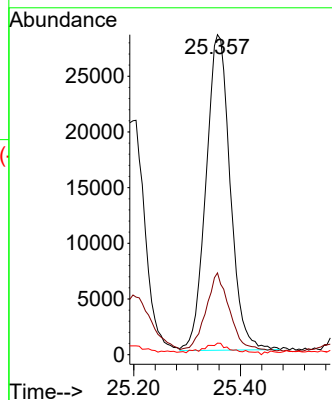
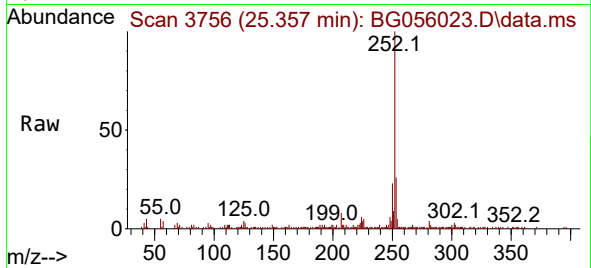




#90
Benzo(a)pyrene
Concen: 15.284 ng
RT: 25.357 min Scan# 31
Delta R.T. -0.005 min
Lab File: BG056023.D
Acq: 19 Dec 2022 21:33

Instrument :
BNA_G
ClientSampleId :
B-29-SB01

Tgt Ion:252 Resp: 89371
Ion Ratio Lower Upper
252 100
253 25.5 17.7 26.5
125 3.6 1.9 2.9#



#92
Benzo(g,h,i)perylene
Concen: 6.558 ng
RT: 30.827 min Scan# 4687
Delta R.T. -0.005 min
Lab File: BG056023.D
Acq: 19 Dec 2022 21:33

Tgt Ion:276 Resp: 45618
Ion Ratio Lower Upper
276 100
277 23.3 17.8 26.6
138 5.6 3.8 5.6

