

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
 Data File : BG056019.D
 Acq On : 19 Dec 2022 18:49
 Operator : CG/JU
 Sample : N6026-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-29-SB02

Quant Time: Dec 20 01:07:28 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

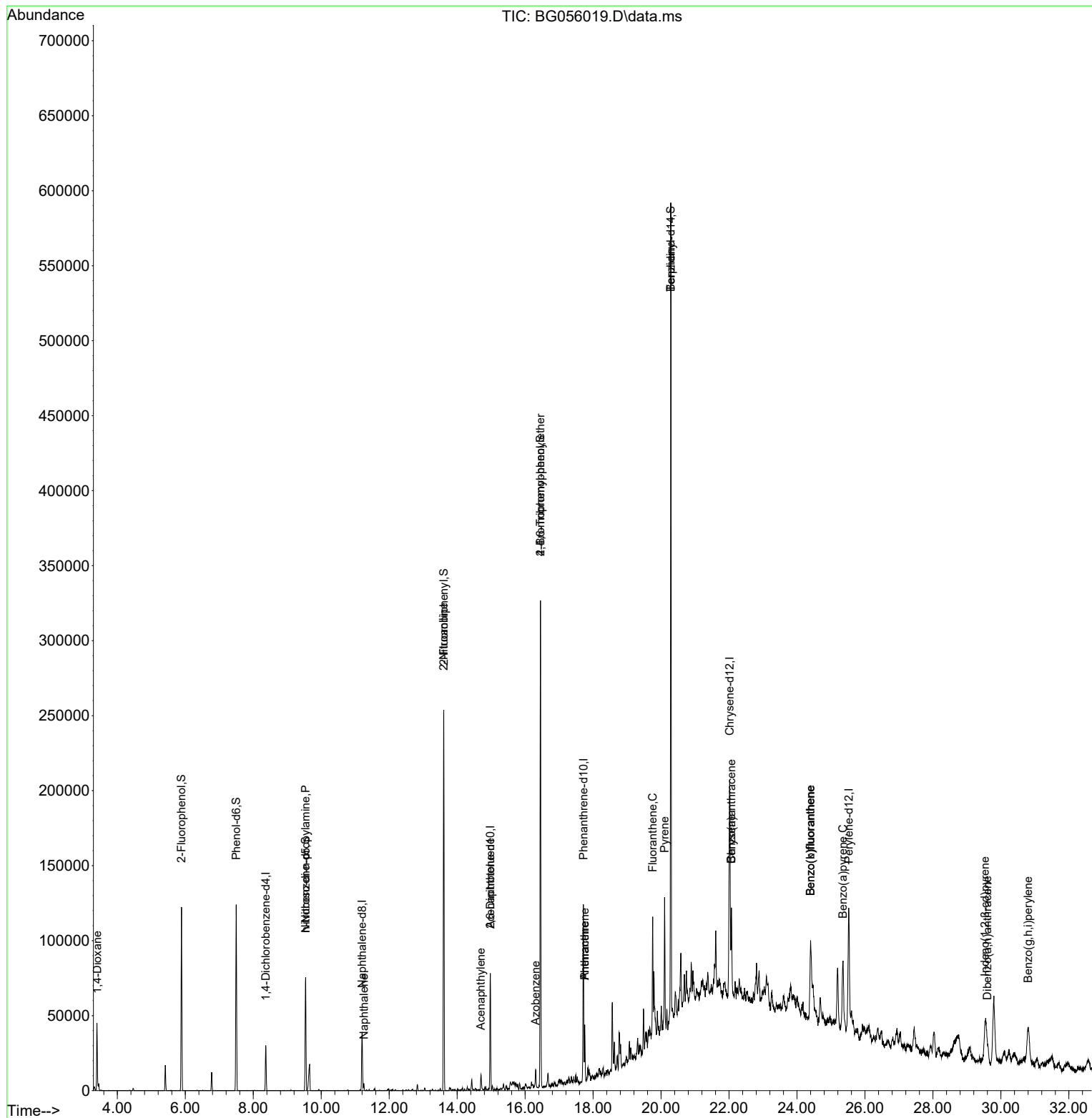
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.365	152	9502	20.000	ng	0.00
21) Naphthalene-d8	11.203	136	35400	20.000	ng	# 0.00
39) Acenaphthene-d10	14.975	164	30224	20.000	ng	0.00
64) Phenanthrene-d10	17.713	188	78867	20.000	ng	0.00
76) Chrysene-d12	22.019	240	82387	20.000	ng	-0.01
86) Perylene-d12	25.521	264	102442	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.885	112	48203	118.969	ng	0.00
7) Phenol-d6	7.495	99	57587	110.509	ng	0.00
23) Nitrobenzene-d5	9.540	82	39409	77.796	ng	0.00
42) 2,4,6-Tribromophenol	16.450	330	82703	113.480	ng	-0.01
45) 2-Fluorobiphenyl	13.606	172	141790	65.795	ng	0.00
79) Terphenyl-d14	20.286	244	294110	63.093	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.406	88	236	2.001	ng	# 1
19) n-Nitroso-di-n-propyla...	9.540	70	6467	17.313	ng	# 61
31) Naphthalene	11.256	128	5135	2.749	ng	# 93
48) 2-Nitroaniline	13.600	65	114	3.142	ng	# 1
49) Acenaphthylene	14.699	152	11610	4.370	ng	95
51) 2,6-Dinitrotoluene	14.975	165	3998	9.887	ng	# 25
63) Azobenzene	16.309	77	3254	2.093	ng	# 11
67) 4-Bromophenyl-phenylether	16.450	248	4685	4.054	ng	# 1
71) Phenanthrene	17.754	178	26167	6.331	ng	99
72) Anthracene	17.754	178	26167	6.399	ng	98
75) Fluoranthene	19.752	202	52714	9.108	ng	99
77) Benzidine	20.286	184	5238	3.620	ng	# 85
78) Pyrene	20.104	202	57675	11.569	ng	99
81) Benzo(a)anthracene	22.066	228	52212	9.006	ng	93
83) Chrysene	22.066	228	52212	9.609	ng	95
87) Indeno(1,2,3-cd)pyrene	29.534	276	64766	7.862	ng	# 94
88) Benzo(b)fluoranthene	24.399	252	76145	11.485	ng	# 95
89) Benzo(k)fluoranthene	24.399	252	76145	11.511	ng	97
90) Benzo(a)pyrene	25.351	252	60030	10.712	ng	98
91) Dibenzo(a,h)anthracene	29.605	278	24794	3.596	ng	# 95
92) Benzo(g,h,i)perylene	30.803	276	65609	9.842	ng	95

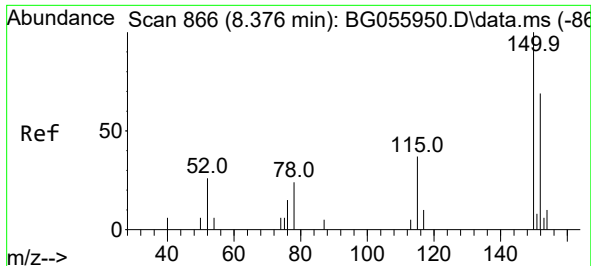
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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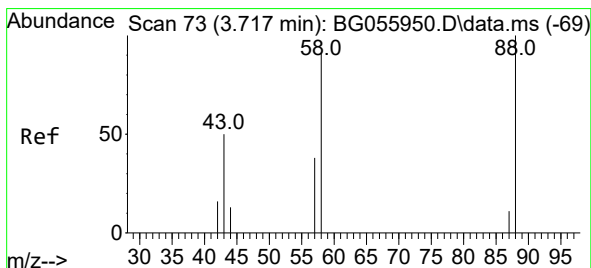
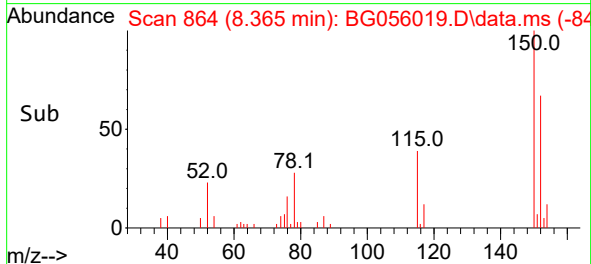
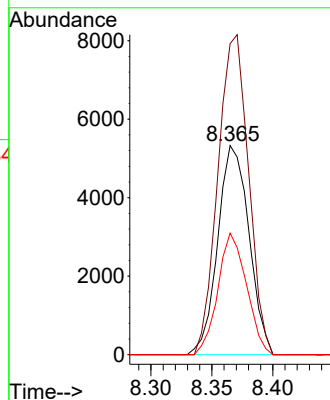
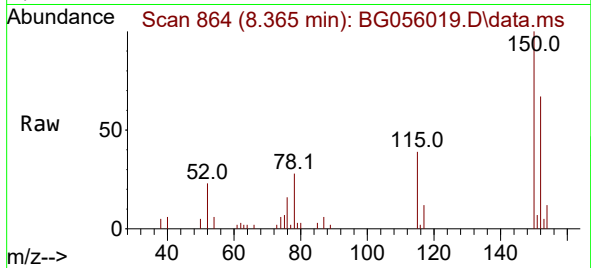




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.365 min Scan# 80
 Delta R.T. 0.001 min
 Lab File: BG056019.D
 Acq: 19 Dec 2022 18:49

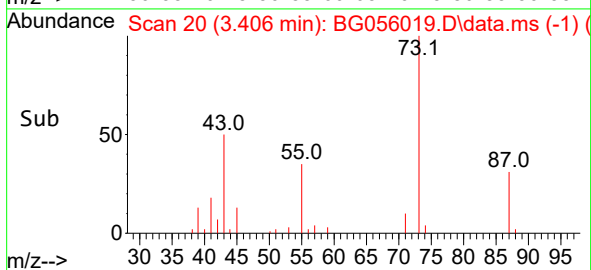
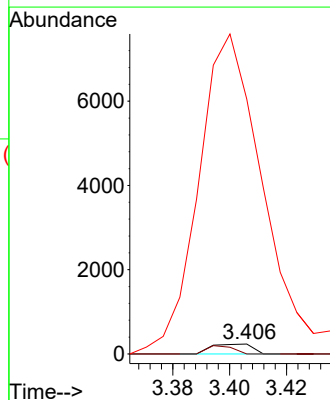
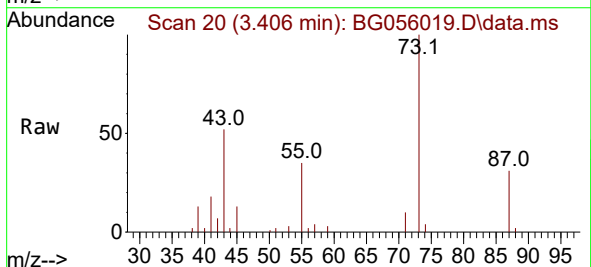
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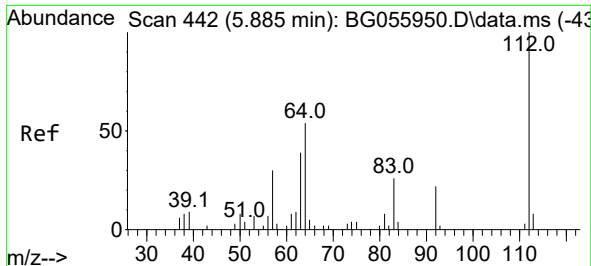
Tgt Ion:152 Resp: 9502
 Ion Ratio Lower Upper
 152 100
 150 148.7 115.7 173.5
 115 58.2 43.0 64.4



#2
 1,4-Dioxane
 Concen: 2.001 ng
 RT: 3.406 min Scan# 20
 Delta R.T. -0.305 min
 Lab File: BG056019.D
 Acq: 19 Dec 2022 18:49

Tgt Ion: 88 Resp: 236
 Ion Ratio Lower Upper
 88 100
 58 53.4 67.0 100.4#
 43 4996.6 45.7 68.5#

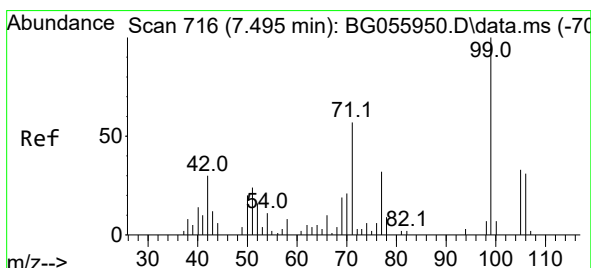
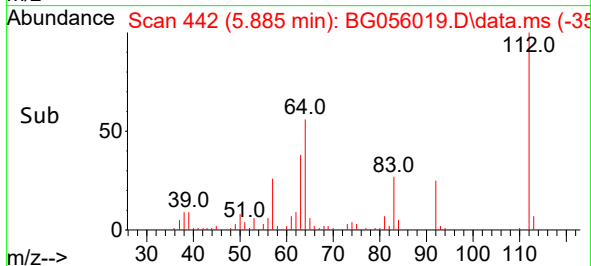
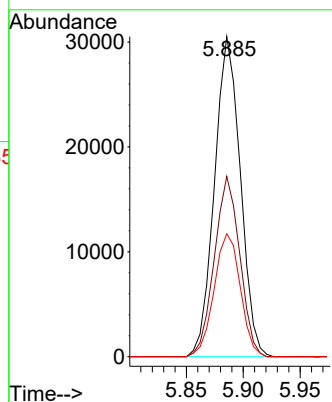
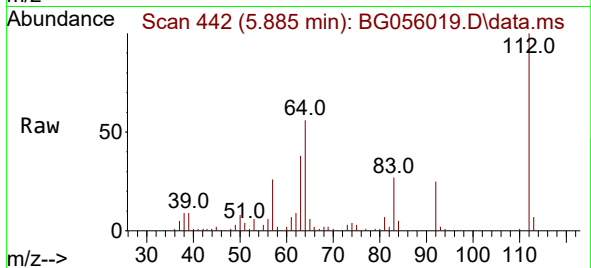




#5
2-Fluorophenol
Concen: 118.969 ng
RT: 5.885 min Scan# 442
Delta R.T. 0.001 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49

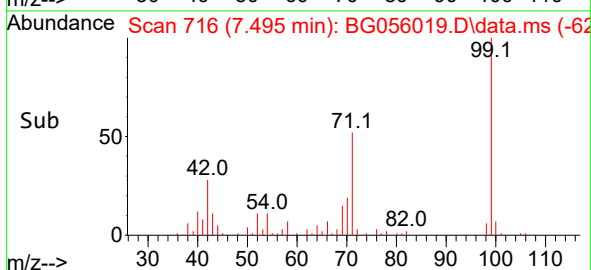
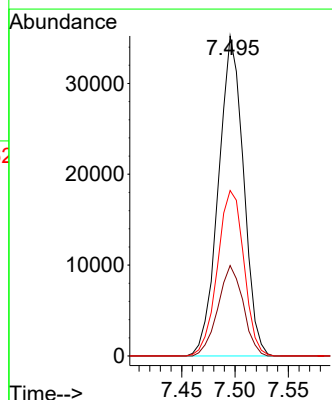
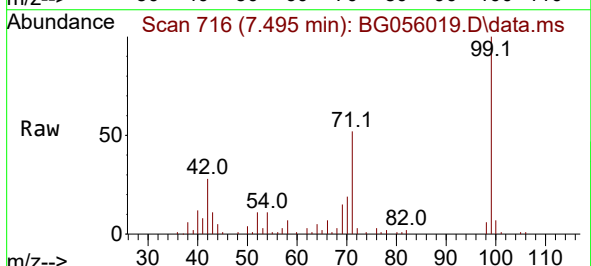
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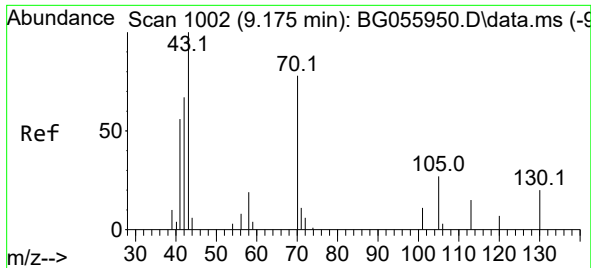
Tgt Ion:	112	Resp:	48203
Ion Ratio	Lower	Upper	
112	100		
64	56.4	43.0	64.4
63	38.4	31.4	47.2



#7
Phenol-d6
Concen: 110.509 ng
RT: 7.495 min Scan# 716
Delta R.T. 0.001 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49

Tgt Ion:	99	Resp:	57587
Ion Ratio	Lower	Upper	
99	100		
42	28.3	24.3	36.5
71	51.7	45.6	68.4

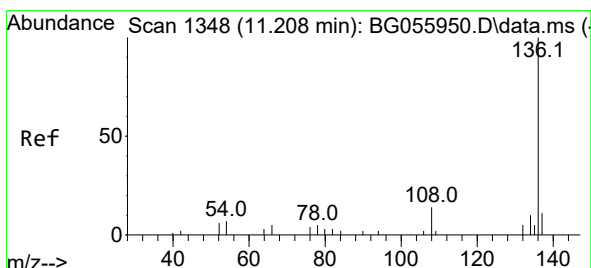
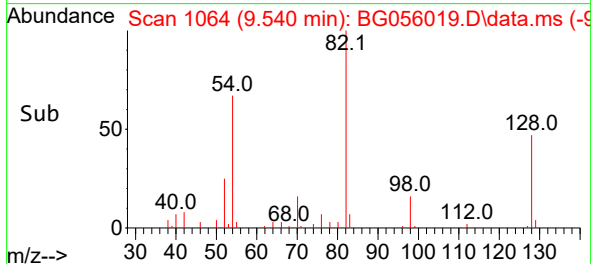
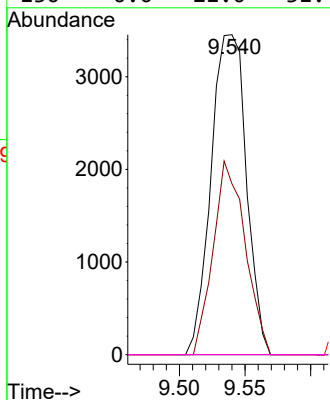
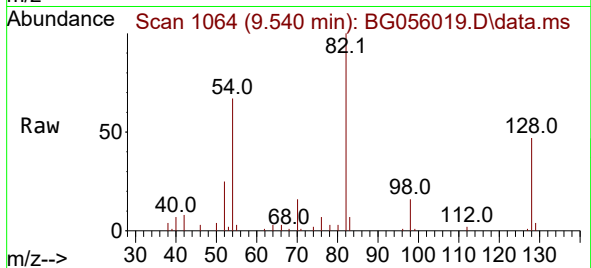




#19
n-Nitroso-di-n-propylamine
Concen: 17.313 ng
RT: 9.540 min Scan# 1064
Delta R.T. 0.365 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49

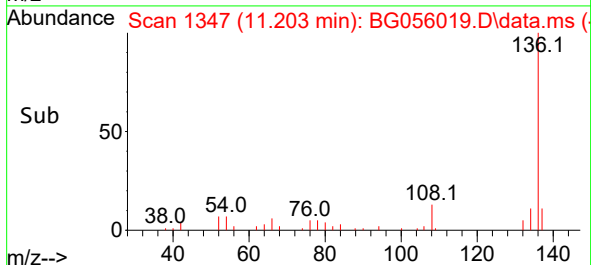
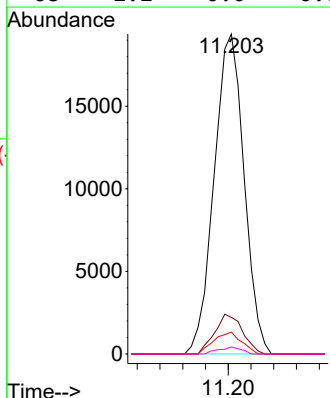
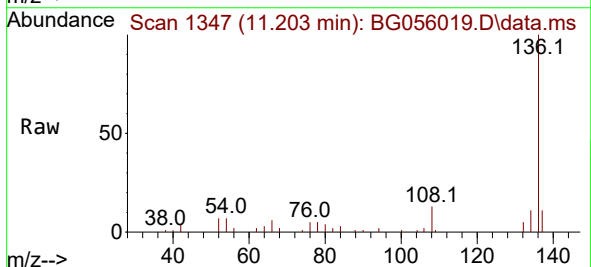
Instrument :
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ClientSampleId :
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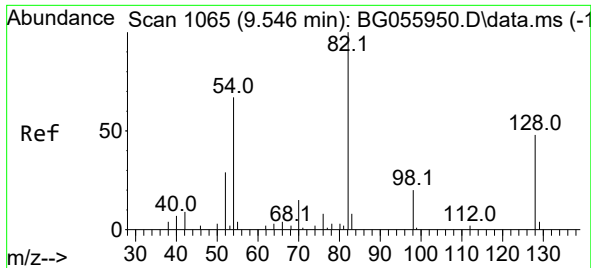
Tgt Ion: 70 Resp: 6467
Ion Ratio Lower Upper
70 100
42 53.4 69.0 103.4#
101 0.0 11.8 17.8#
130 0.0 21.0 31.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.203 min Scan# 1347
Delta R.T. -0.005 min
Lab File: BG056019.D
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Tgt Ion:136 Resp: 35400
Ion Ratio Lower Upper
136 100
137 11.5 9.2 13.8
54 6.8 5.6 8.4
68 2.2 0.0 0.0#

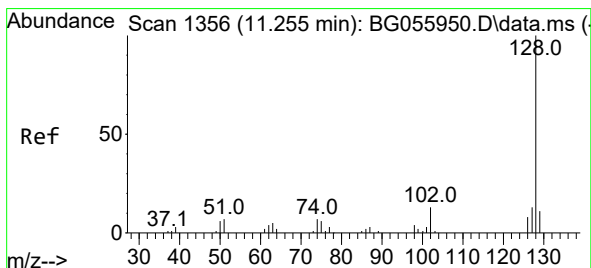
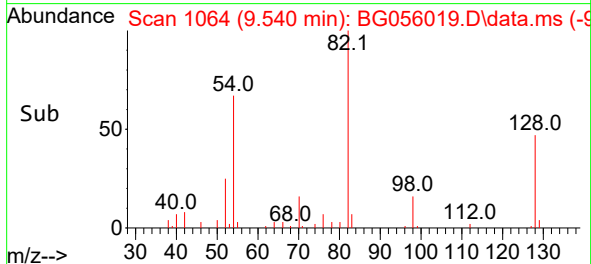
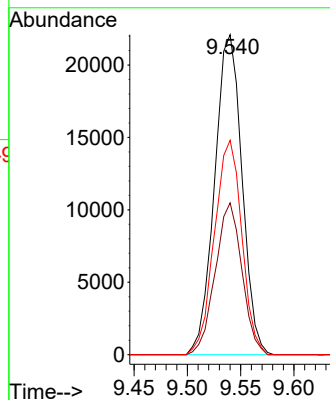
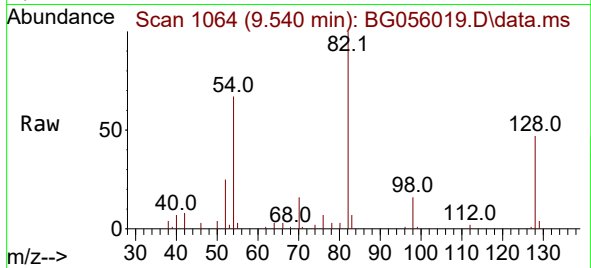




#23
Nitrobenzene-d5
Concen: 77.796 ng
RT: 9.540 min Scan# 1064
Delta R.T. -0.005 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49

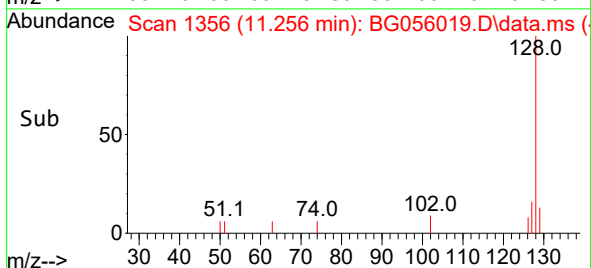
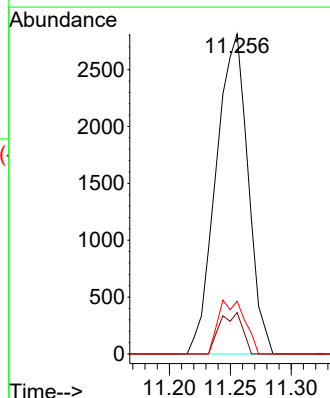
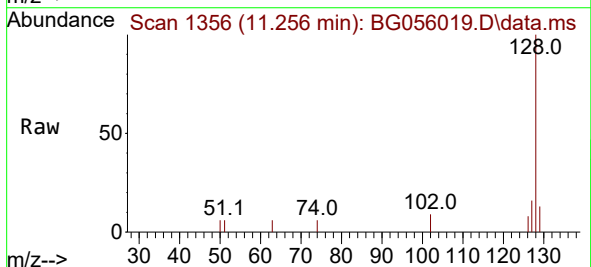
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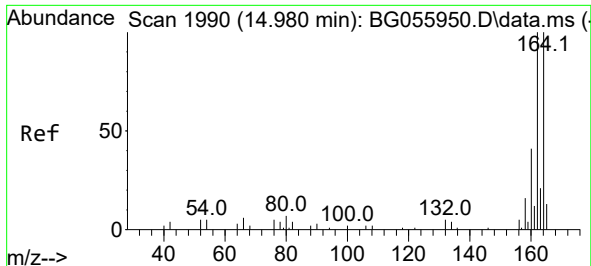
Tgt Ion: 82 Resp: 39409
Ion Ratio Lower Upper
82 100
128 47.5 38.4 57.6
54 67.0 53.3 79.9



#31
Naphthalene
Concen: 2.749 ng
RT: 11.256 min Scan# 1356
Delta R.T. 0.001 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49

Tgt Ion: 128 Resp: 5135
Ion Ratio Lower Upper
128 100
129 13.0 8.7 13.1
127 16.5 10.3 15.5#

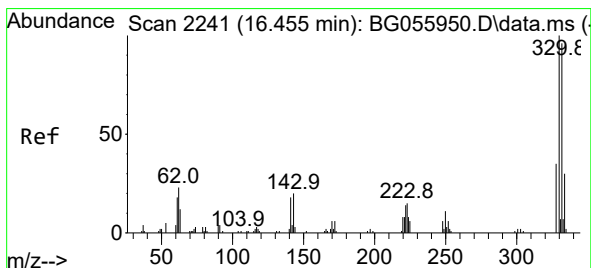
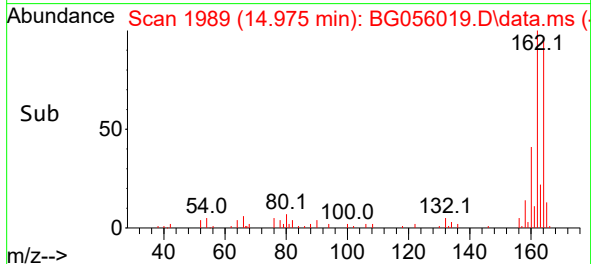
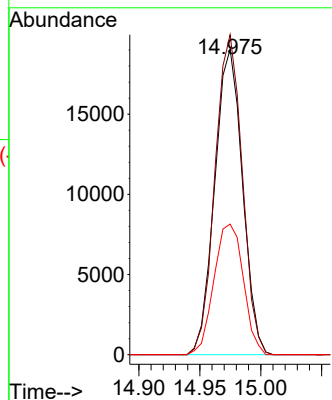
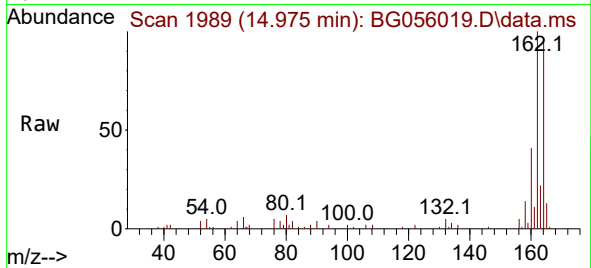




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.975 min Scan# 1990
Delta R.T. -0.005 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49

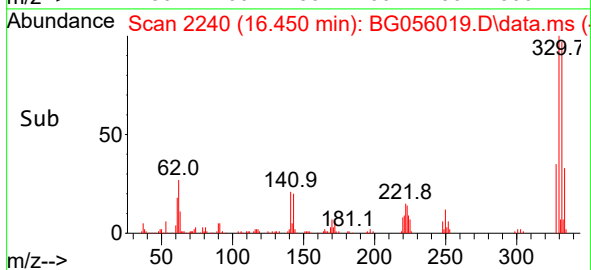
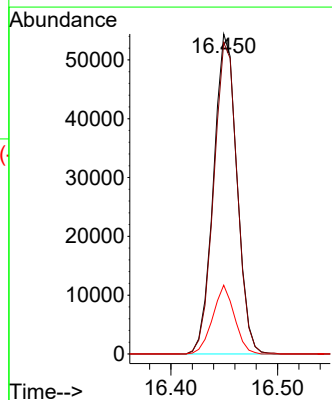
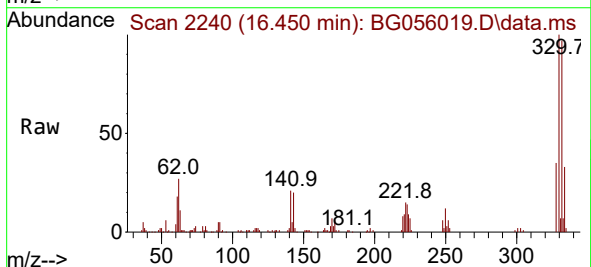
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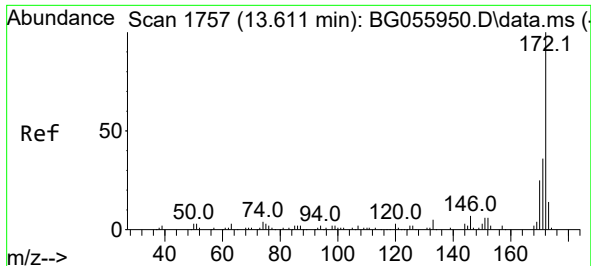
Tgt Ion:164 Resp: 30224
Ion Ratio Lower Upper
164 100
162 104.7 79.8 119.8
160 42.7 33.0 49.4



#42
2,4,6-Tribromophenol
Concen: 113.480 ng
RT: 16.450 min Scan# 2240
Delta R.T. -0.011 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49

Tgt Ion:330 Resp: 82703
Ion Ratio Lower Upper
330 100
332 97.3 76.6 114.8
141 20.0 15.0 22.4

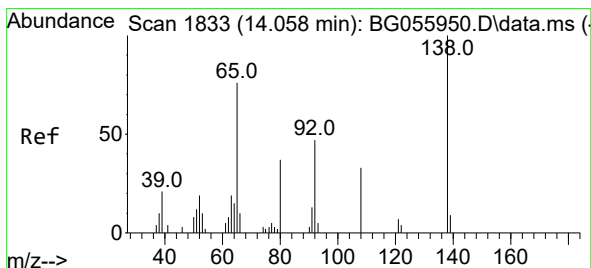
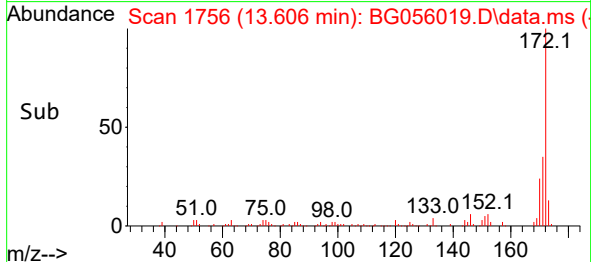
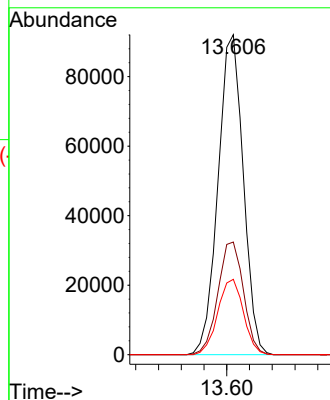
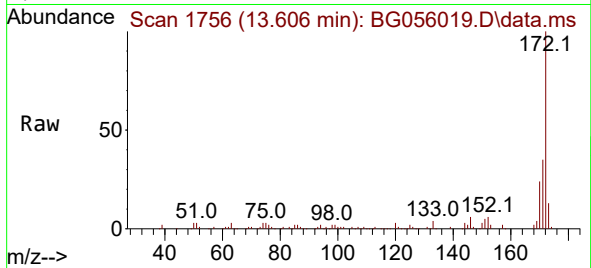




#45
2-Fluorobiphenyl
Concen: 65.795 ng
RT: 13.606 min Scan# 1756
Delta R.T. -0.005 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49

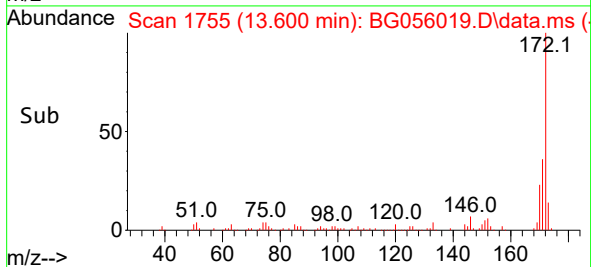
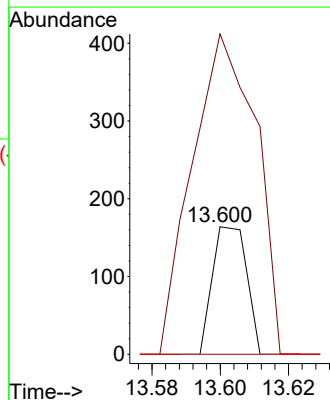
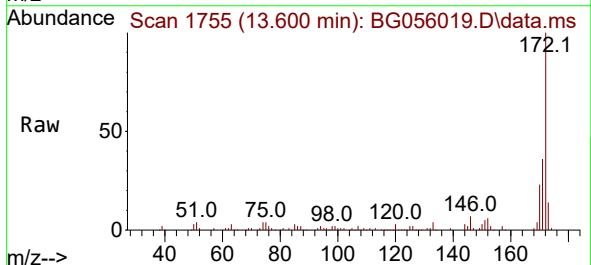
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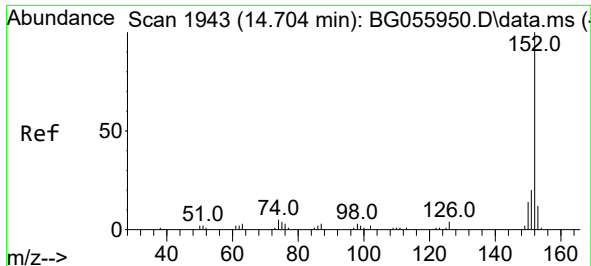
Tgt Ion:172 Resp: 141790
Ion Ratio Lower Upper
172 100
171 35.2 28.6 42.8
170 23.5 19.9 29.9



#48
2-Nitroaniline
Concen: 3.142 ng
RT: 13.600 min Scan# 1755
Delta R.T. -0.457 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49

Tgt Ion: 65 Resp: 114
Ion Ratio Lower Upper
65 100
92 251.2 49.7 74.5#
138 0.0 105.0 157.6#

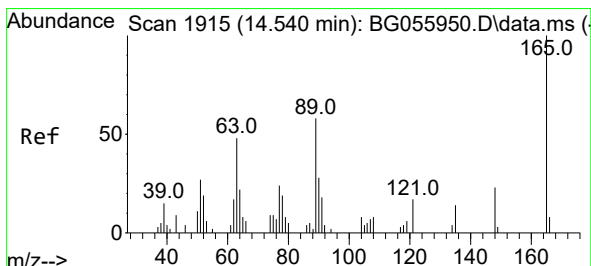
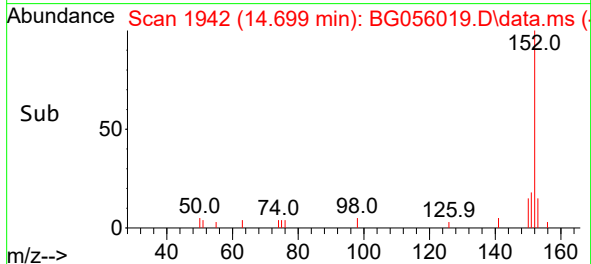
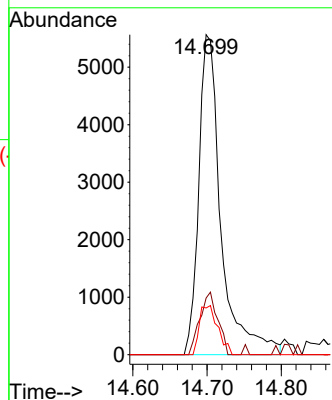
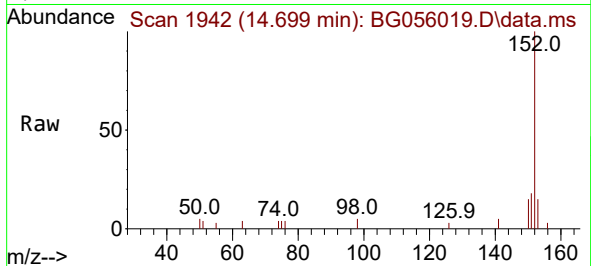




#49
Acenaphthylene
Concen: 4.370 ng
RT: 14.699 min Scan# 1942
Delta R.T. -0.011 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49

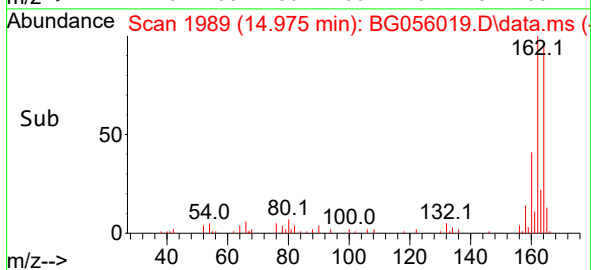
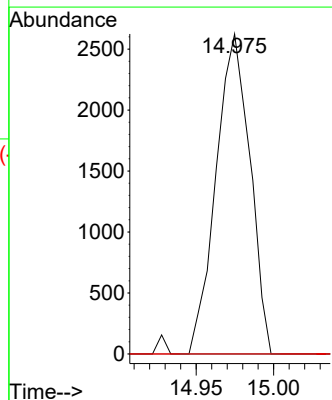
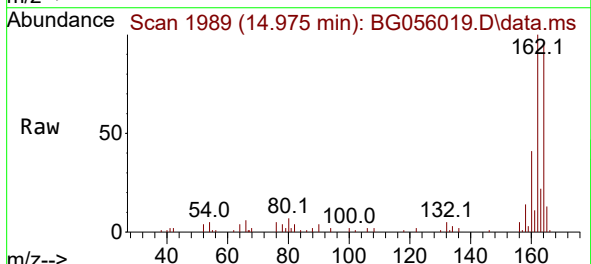
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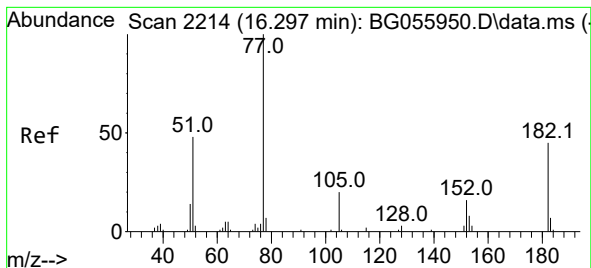
Tgt Ion:152 Resp: 11610
Ion Ratio Lower Upper
152 100
151 17.7 15.8 23.8
153 14.6 10.0 15.0



#51
2,6-Dinitrotoluene
Concen: 9.887 ng
RT: 14.975 min Scan# 1989
Delta R.T. 0.436 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49

Tgt Ion:165 Resp: 3998
Ion Ratio Lower Upper
165 100
63 0.0 38.3 57.5#
89 0.0 46.3 69.5#





#63

Azobenzene

Concen: 2.093 ng

RT: 16.309 min Scan# 21

Delta R.T. 0.013 min

Lab File: BG056019.D

Acq: 19 Dec 2022 18:49

Instrument :

BNA_G

ClientSampleId :

B-29-SB02

Tgt Ion: 77 Resp: 3254

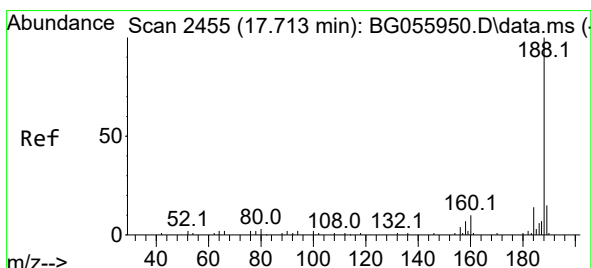
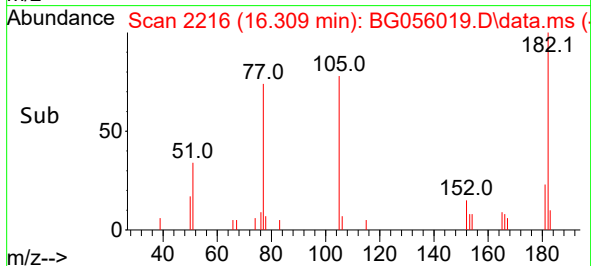
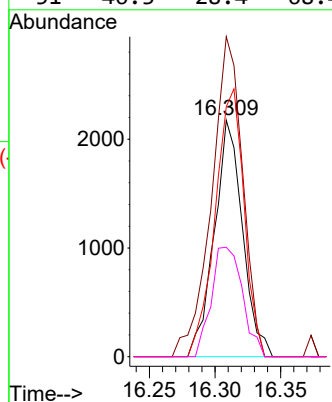
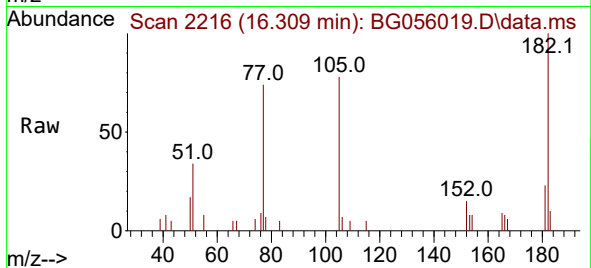
Ion Ratio Lower Upper

77 100

182 135.3 24.7 64.7#

105 105.7 0.3 40.3#

51 46.3 28.4 68.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.713 min Scan# 2455

Delta R.T. -0.005 min

Lab File: BG056019.D

Acq: 19 Dec 2022 18:49

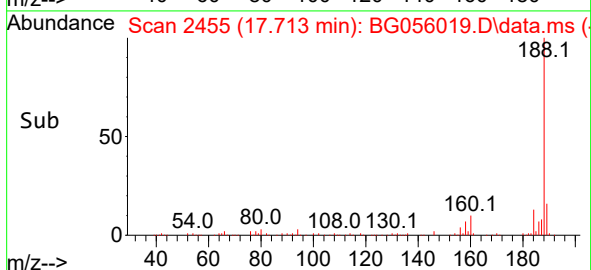
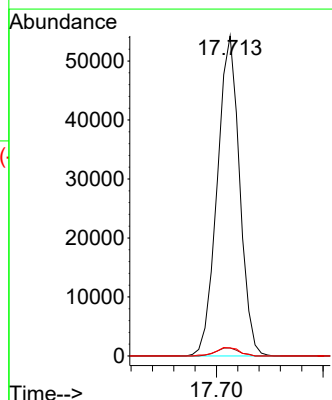
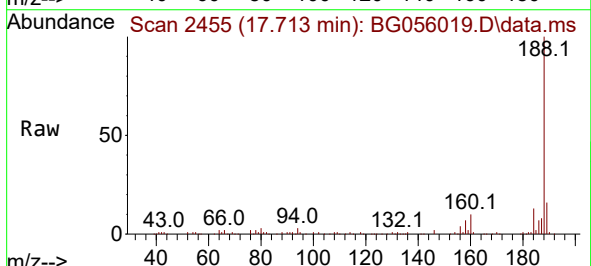
Tgt Ion:188 Resp: 78867

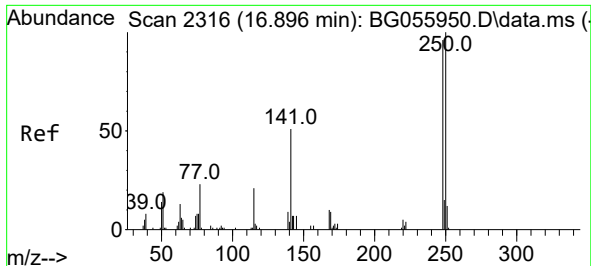
Ion Ratio Lower Upper

188 100

94 2.5 1.8 2.8

80 2.5 2.4 3.6

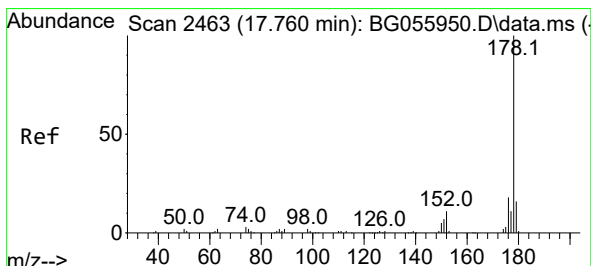
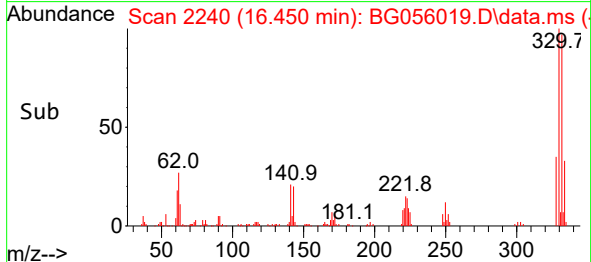
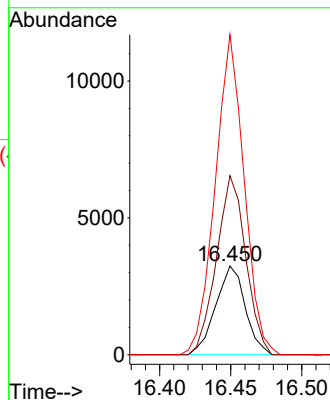
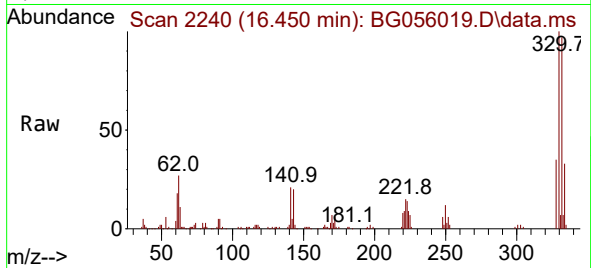




#67
4-Bromophenyl-phenylether
Concen: 4.054 ng
RT: 16.450 min Scan# 21
Delta R.T. -0.446 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49

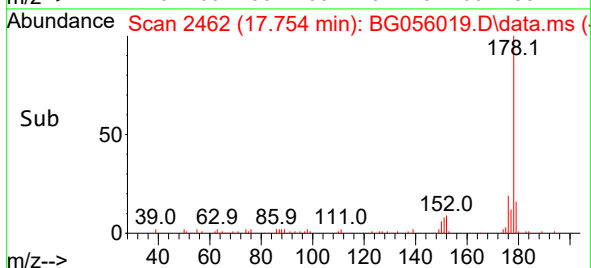
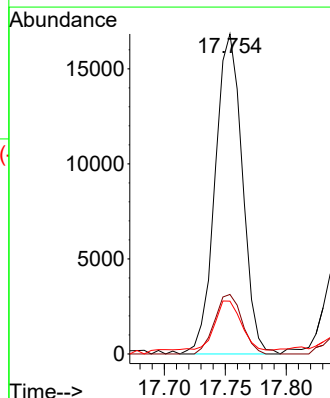
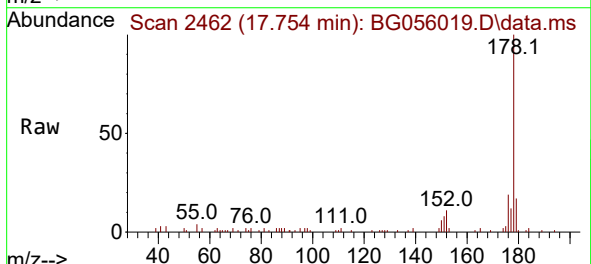
Instrument :
BNA_G
ClientSampleId :
B-29-SB02

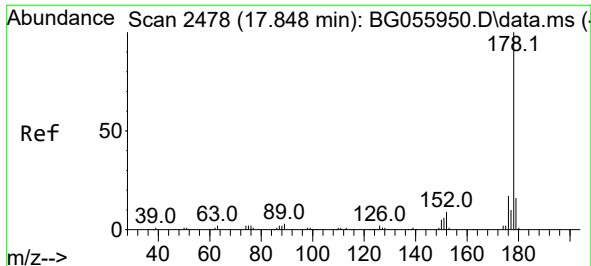
Tgt Ion:248 Resp: 4685
Ion Ratio Lower Upper
248 100
250 202.0 83.0 124.6#
141 360.9 42.6 64.0#



#71
Phenanthrene
Concen: 6.331 ng
RT: 17.754 min Scan# 2462
Delta R.T. -0.005 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49

Tgt Ion:178 Resp: 26167
Ion Ratio Lower Upper
178 100
176 18.6 14.4 21.6
179 16.5 12.7 19.1

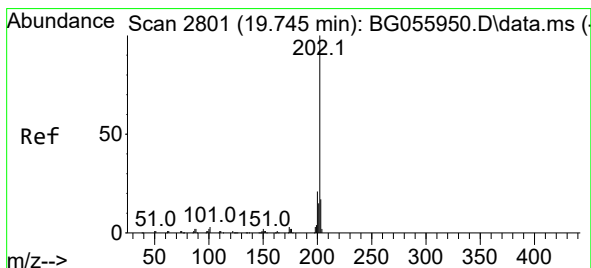
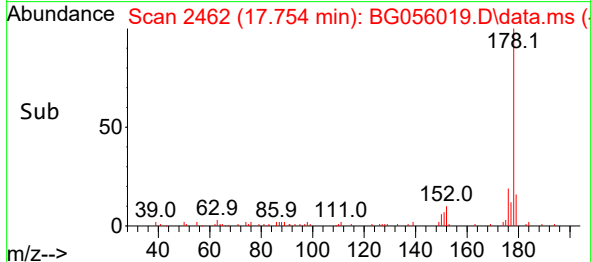
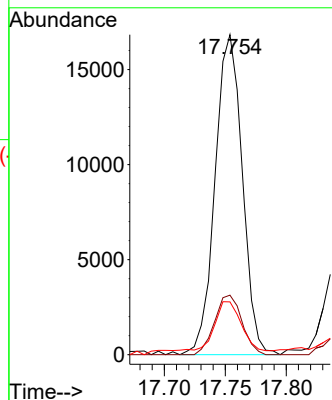
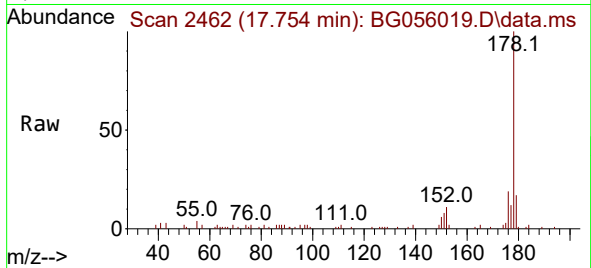




#72
 Anthracene
 Concen: 6.399 ng
 RT: 17.754 min Scan# 2478
 Delta R.T. -0.099 min
 Lab File: BG056019.D
 Acq: 19 Dec 2022 18:49

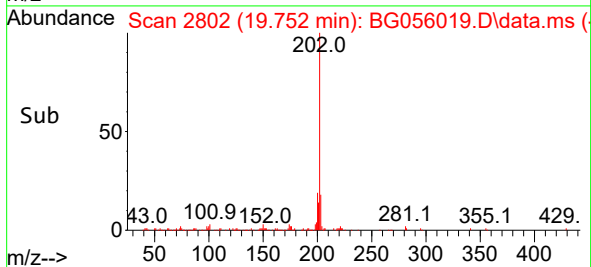
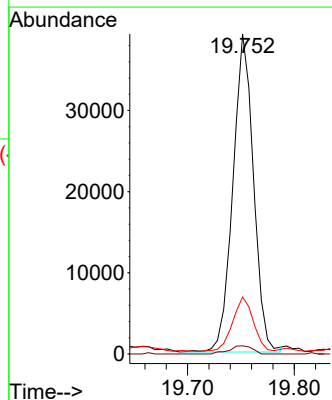
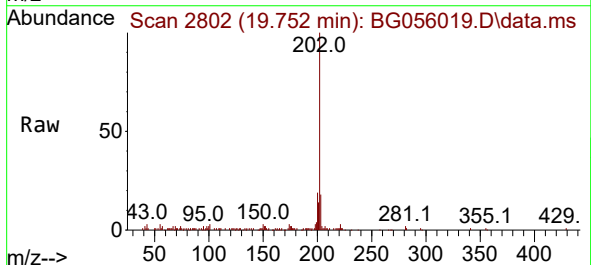
Instrument :
 BNA_G
 ClientSampleId :
 B-29-SB02

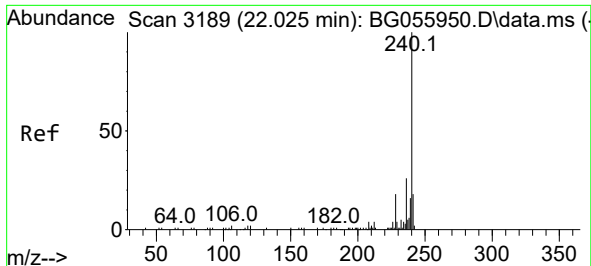
Tgt Ion:178 Resp: 26167
 Ion Ratio Lower Upper
 178 100
 176 18.6 13.9 20.9
 179 16.5 12.7 19.1



#75
 Fluoranthene
 Concen: 9.108 ng
 RT: 19.752 min Scan# 2802
 Delta R.T. 0.001 min
 Lab File: BG056019.D
 Acq: 19 Dec 2022 18:49

Tgt Ion:202 Resp: 52714
 Ion Ratio Lower Upper
 202 100
 101 2.5 0.0 22.6
 203 17.8 0.0 37.1

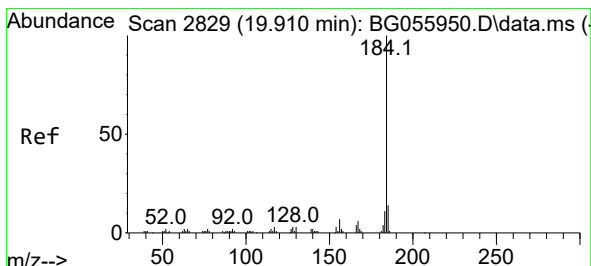
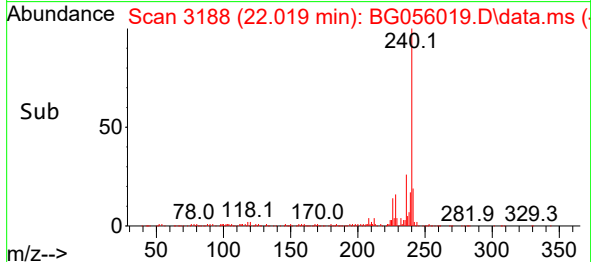
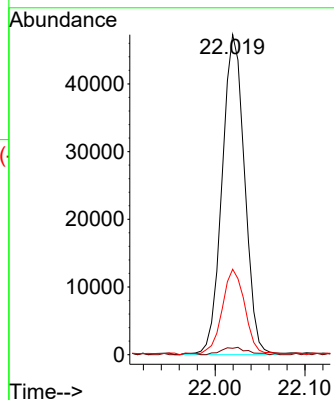
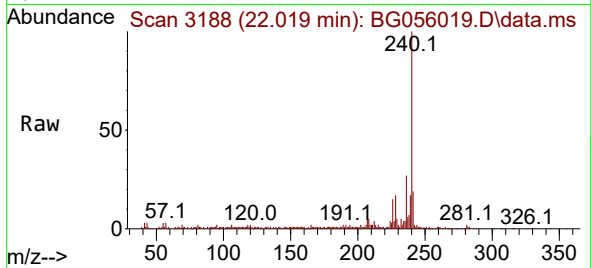




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.019 min Scan# 3188
Delta R.T. -0.011 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49

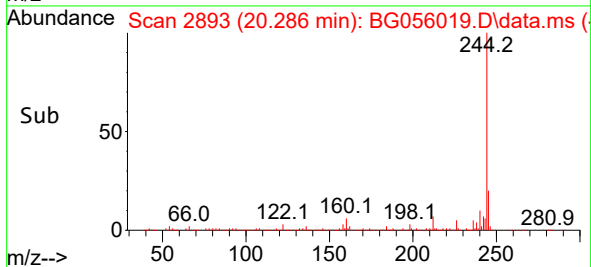
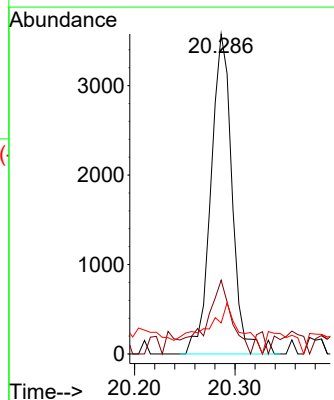
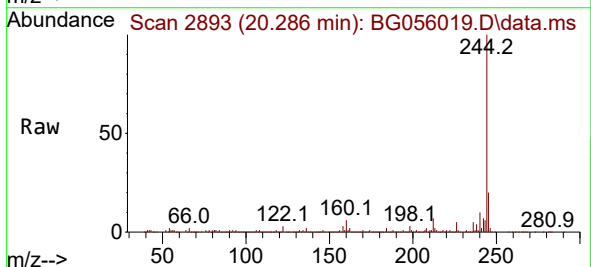
Instrument :
BNA_G
ClientSampleId :
B-29-SB02

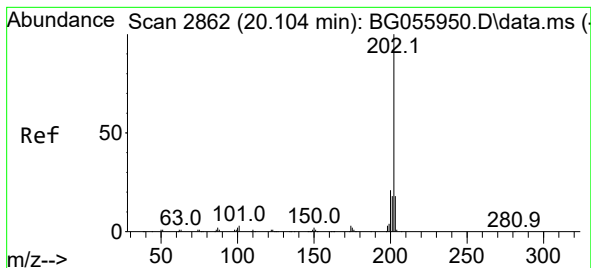
Tgt Ion:240 Resp: 82387
Ion Ratio Lower Upper
240 100
120 2.0 1.7 2.5
236 26.7 21.1 31.7



#77
Benzidine
Concen: 3.620 ng
RT: 20.286 min Scan# 2893
Delta R.T. 0.371 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49

Tgt Ion:184 Resp: 5238
Ion Ratio Lower Upper
184 100
185 23.1 10.9 16.3#
183 9.7 9.2 13.8





#78

Pyrene

Concen: 11.569 ng

RT: 20.104 min Scan# 2862

Delta R.T. -0.005 min

Lab File: BG056019.D

Acq: 19 Dec 2022 18:49

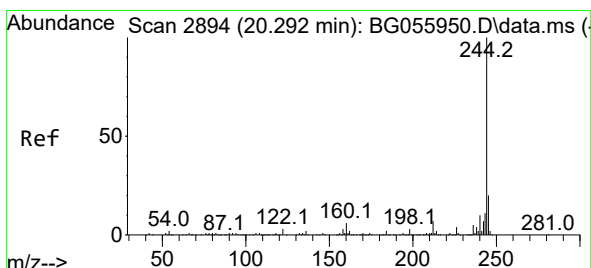
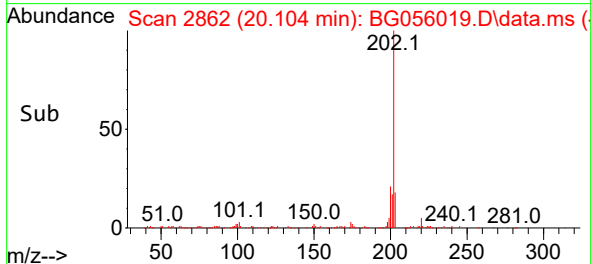
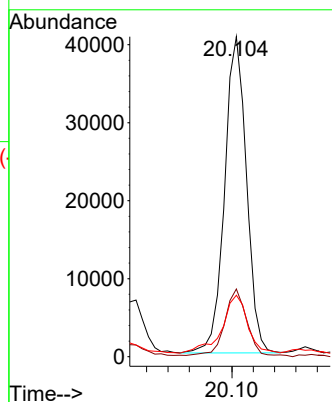
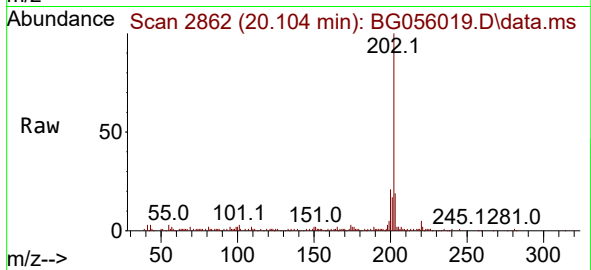
Instrument :

BNA_G

ClientSampleId :

B-29-SB02

Tgt Ion:	202	Resp:	57675
Ion Ratio	Lower	Upper	
202	100		
200	21.2	16.7	25.1
203	19.2	14.6	21.8



#79

Terphenyl-d14

Concen: 63.093 ng

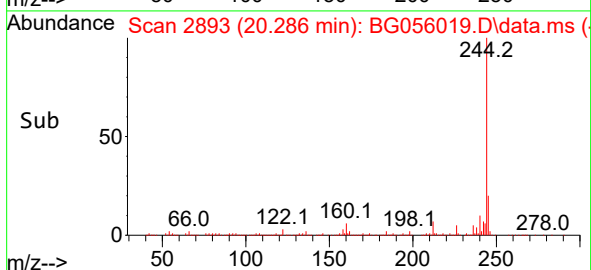
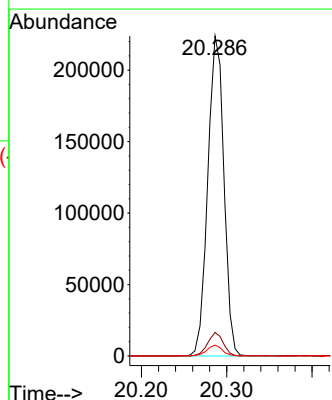
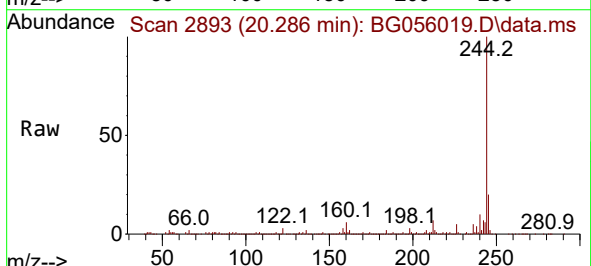
RT: 20.286 min Scan# 2893

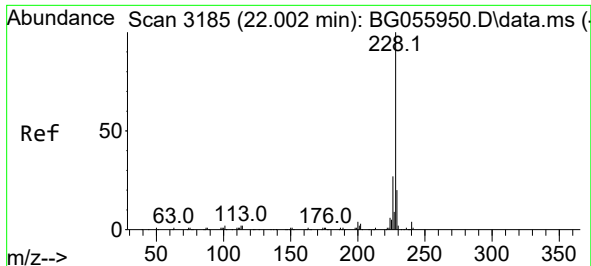
Delta R.T. -0.005 min

Lab File: BG056019.D

Acq: 19 Dec 2022 18:49

Tgt Ion:	244	Resp:	294110
Ion Ratio	Lower	Upper	
244	100		
212	7.3	5.8	8.6
122	3.4	2.5	3.7

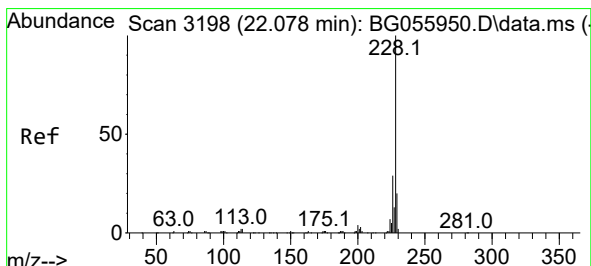
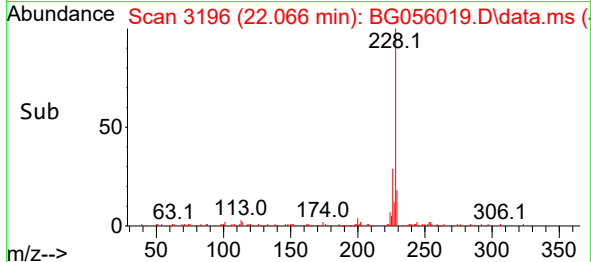
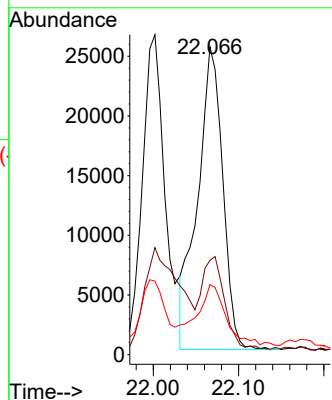
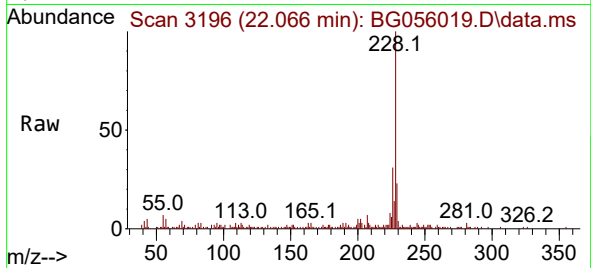




#81
Benzo(a)anthracene
Concen: 9.006 ng
RT: 22.066 min Scan# 3196
Delta R.T. 0.060 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49

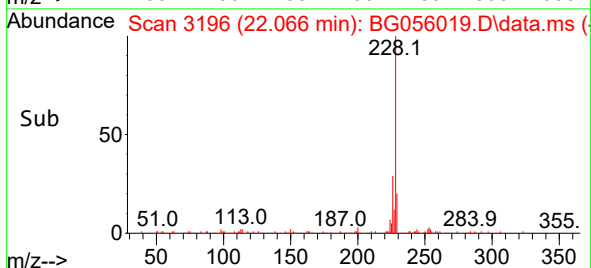
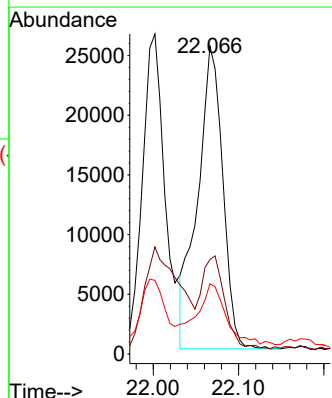
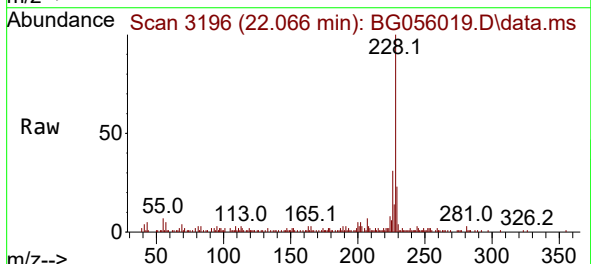
Instrument :
BNA_G
ClientSampleId :
B-29-SB02

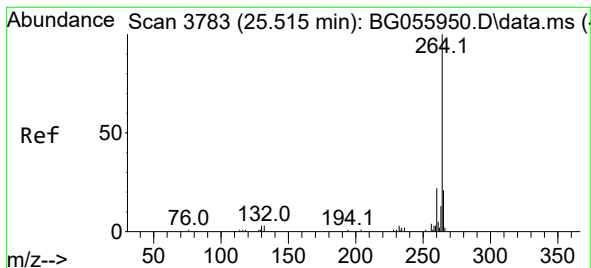
Tgt Ion:228 Resp: 52212
Ion Ratio Lower Upper
228 100
226 30.7 21.8 32.6
229 22.8 15.9 23.9



#83
Chrysene
Concen: 9.609 ng
RT: 22.066 min Scan# 3196
Delta R.T. -0.011 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49

Tgt Ion:228 Resp: 52212
Ion Ratio Lower Upper
228 100
226 30.7 23.1 34.7
229 22.8 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.521 min Scan# 31

Delta R.T. -0.005 min

Lab File: BG056019.D

Acq: 19 Dec 2022 18:49

Instrument :

BNA_G

ClientSampleId :

B-29-SB02

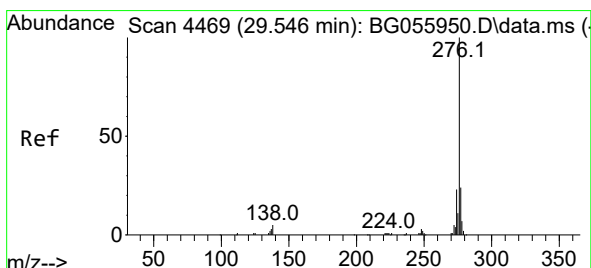
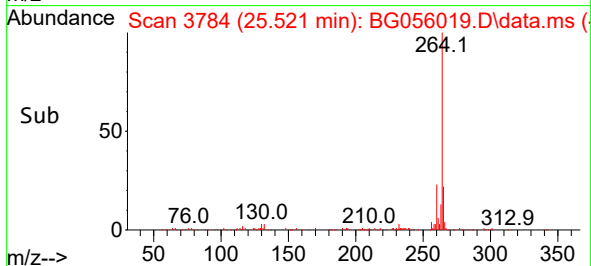
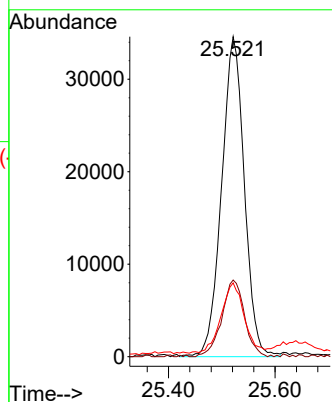
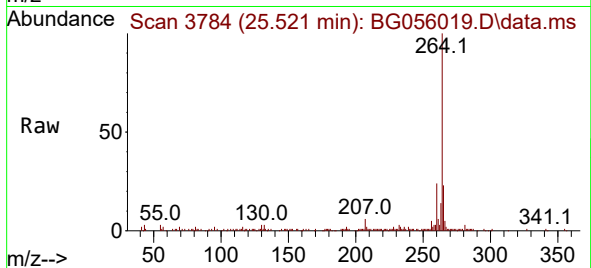
Tgt Ion:264 Resp: 102442

Ion Ratio Lower Upper

264 100

260 23.9 17.8 26.8

265 23.1 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.862 ng

RT: 29.534 min Scan# 4467

Delta R.T. -0.023 min

Lab File: BG056019.D

Acq: 19 Dec 2022 18:49

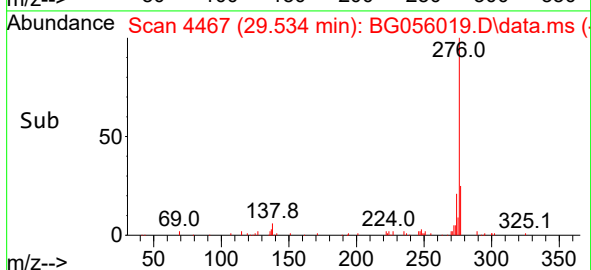
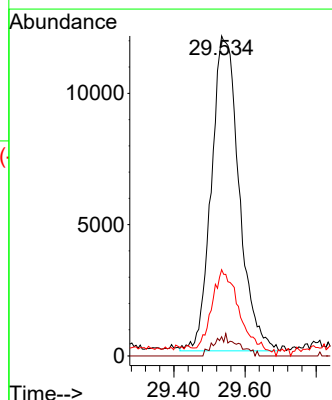
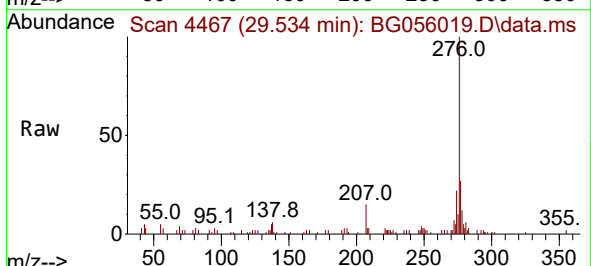
Tgt Ion:276 Resp: 64766

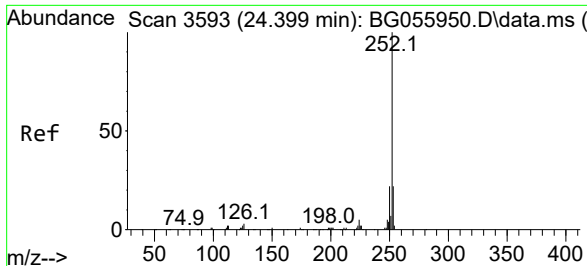
Ion Ratio Lower Upper

276 100

138 2.5 3.0 4.4#

277 28.7 20.4 30.6

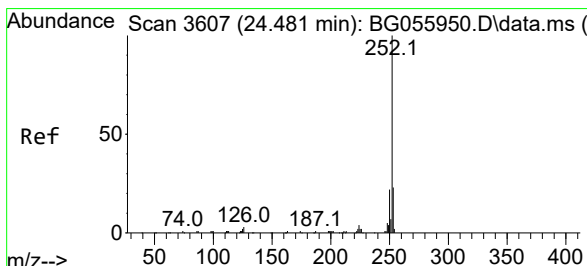
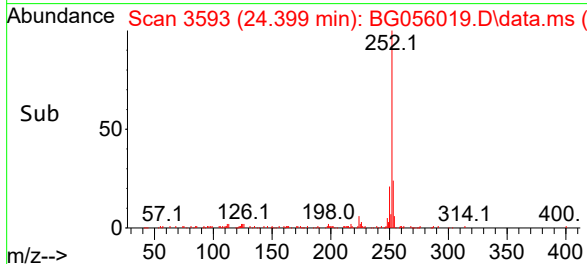
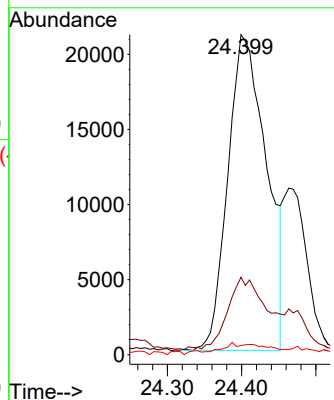
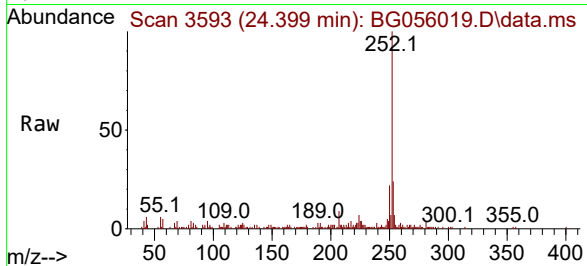




#88
Benzo(b)fluoranthene
Concen: 11.485 ng
RT: 24.399 min Scan# 3593
Delta R.T. -0.005 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49

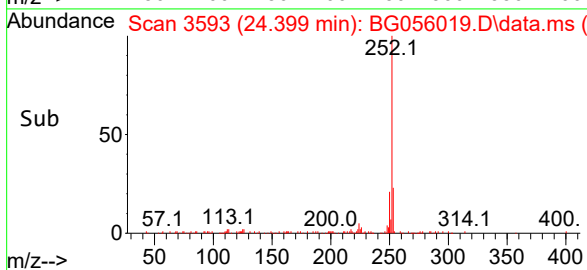
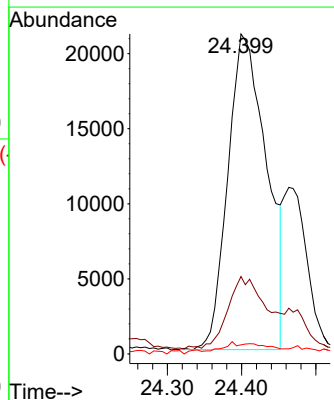
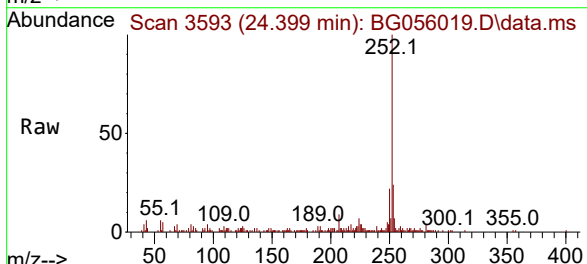
Instrument :
BNA_G
ClientSampleId :
B-29-SB02

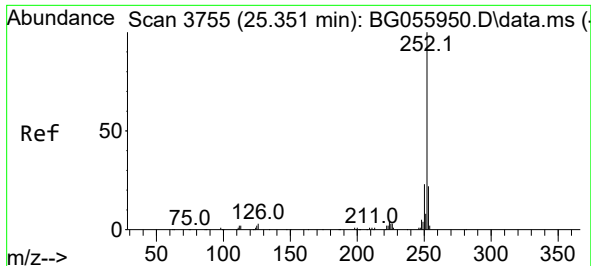
Tgt Ion:252 Resp: 76145
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.0
125 2.9 1.8 2.8#



#89
Benzo(k)fluoranthene
Concen: 11.511 ng
RT: 24.399 min Scan# 3593
Delta R.T. -0.087 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49

Tgt Ion:252 Resp: 76145
Ion Ratio Lower Upper
252 100
253 24.2 18.2 27.2
125 2.9 2.0 3.0

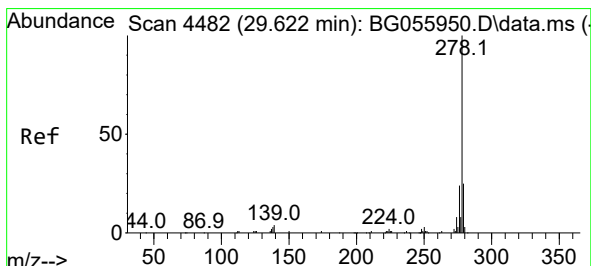
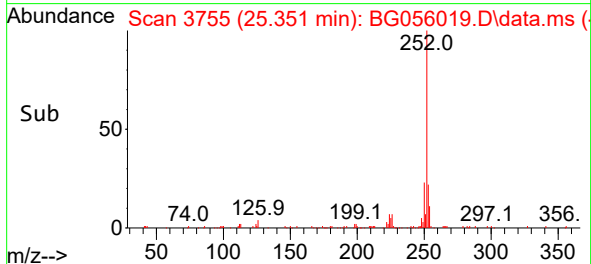
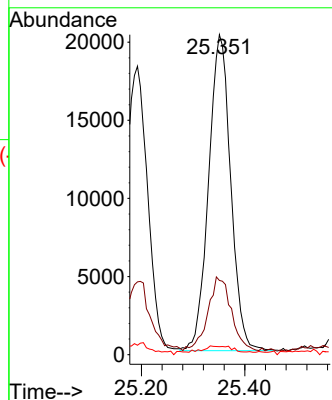
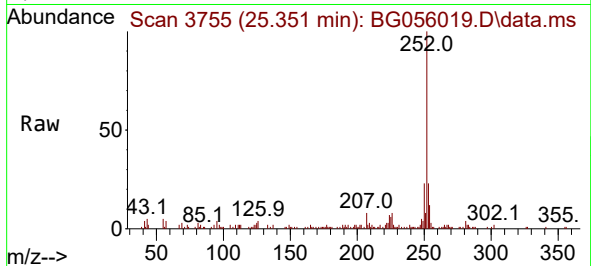




#90
Benzo(a)pyrene
Concen: 10.712 ng
RT: 25.351 min Scan# 31
Delta R.T. -0.011 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49

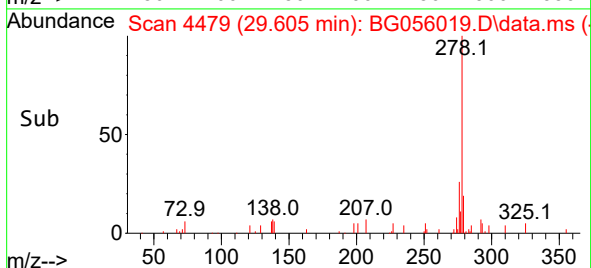
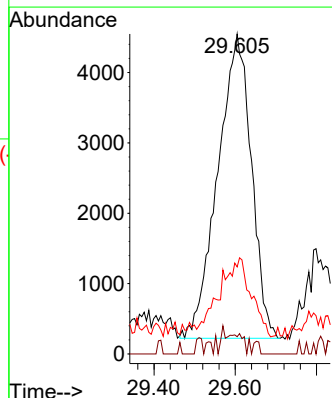
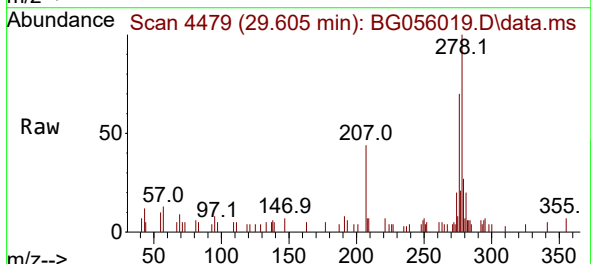
Instrument :
BNA_G
ClientSampleId :
B-29-SB02

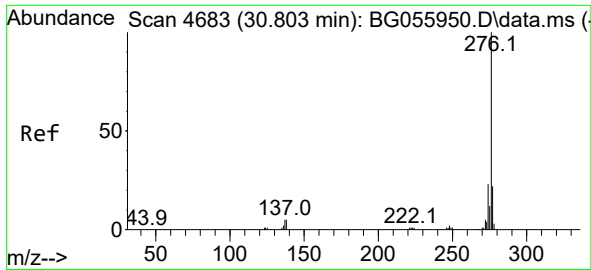
Tgt Ion:252 Resp: 60030
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 2.5 1.9 2.9



#91
Dibenzo(a,h)anthracene
Concen: 3.596 ng
RT: 29.605 min Scan# 4479
Delta R.T. -0.034 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49

Tgt Ion:278 Resp: 24794
Ion Ratio Lower Upper
278 100
139 5.4 2.9 4.3#
279 27.2 20.0 30.0





#92

Benzo(g,h,i)perylene

Concen: 9.842 ng

RT: 30.803 min Scan# 4

Delta R.T. -0.028 min

Lab File: BG056019.D

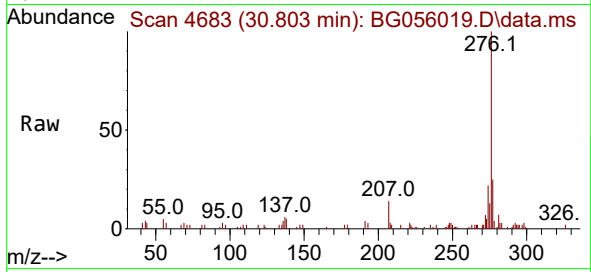
Acq: 19 Dec 2022 18:49

Instrument :

BNA_G

ClientSampleId :

B-29-SB02



Tgt Ion:276 Resp: 65609

Ion Ratio Lower Upper

276 100

277 25.3 17.8 26.6

138 4.7 3.8 5.6

