

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081621\
 Data File : BG049858.D
 Acq On : 16 Aug 2021 20:28
 Operator : CG/JU
 Sample : M3407-23
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 28S

Manual Integrations
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Quant Time: Aug 17 04:42:25 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 16 18:23:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.027	152	31858	20.000	ng	0.00
21) Naphthalene-d8	10.847	136	126721	20.000	ng	# 0.00
39) Acenaphthene-d10	14.683	164	88376	20.000	ng	0.00
64) Phenanthrene-d10	17.432	188	177784	20.000	ng	# 0.00
76) Chrysene-d12	21.715	240	159679	20.000	ng	# 0.00
86) Perylene-d12	24.987	264	170517	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.584	112	186932	105.184	ng	0.00
7) Phenol-d6	7.193	99	259078	96.304	ng	0.00
23) Nitrobenzene-d5	9.197	82	188379	65.782	ng	0.00
42) 2,4,6-Tribromophenol	16.175	330	129449	99.652	ng	0.00
45) 2-Fluorobiphenyl	13.297	172	379206	62.435	ng	0.00
79) Terphenyl-d14	20.041	244	513983	58.461	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.748	154	11557	2.408	ng	89
58) Fluorene	15.729	166	13762	2.174	ng	98
71) Phenanthrene	17.479	178	225516	24.110	ng	96
72) Anthracene	17.568	178	48180	5.245	ng	96
75) Fluoranthene	19.488	202	280720	24.389	ng	97
78) Pyrene	19.853	202	244024	22.416	ng	98
81) Benzo(a)anthracene	21.697	228	122064	11.738	ng	97
83) Chrysene	21.762	228	108925m	10.958	ng	
87) Indeno(1,2,3-cd)pyrene	28.723	276	72062	5.860	ng	98
88) Benzo(b)fluoranthene	23.947	252	138350	12.371	ng	# 98
89) Benzo(k)fluoranthene	24.006	252	42148m	4.040	ng	
90) Benzo(a)pyrene	24.834	252	106403	10.513	ng	# 89
92) Benzo(g,h,i)perylene	29.904	276	69392	6.835	ng	94

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

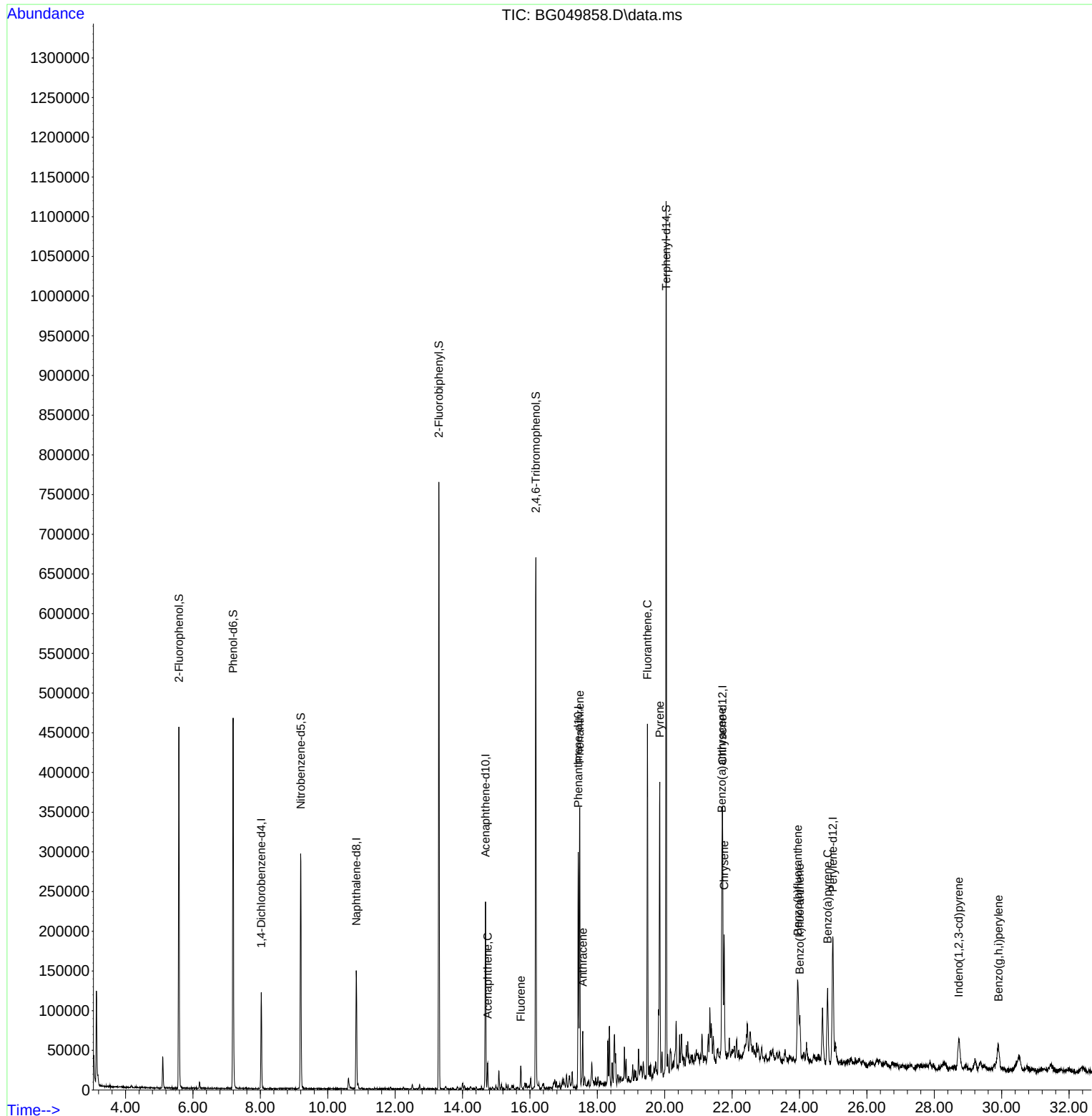
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Data File : BG049858.D
Acq On : 16 Aug 2021 20:28
Operator : CG/JU
Sample : M3407-23
Misc :
ALS Vial : 7 Sample Multiplier: 1

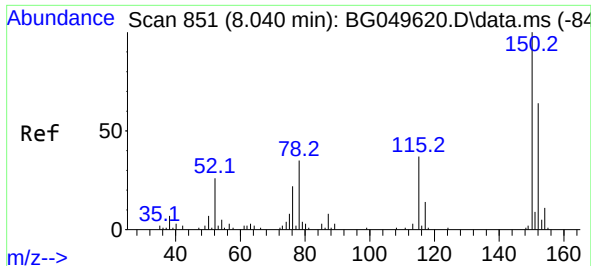
Instrument :
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ClientSampleId :
28S

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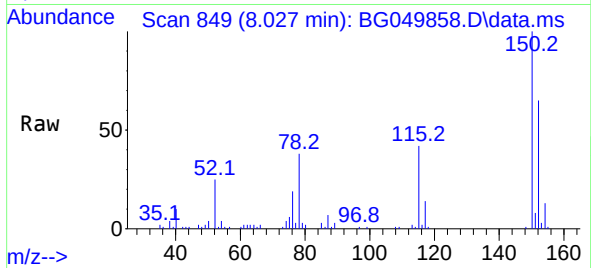
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Quant Time: Aug 17 04:42:25 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 16 18:23:02 2021
Response via : Initial Calibration

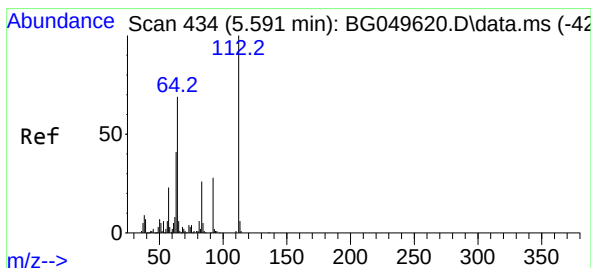
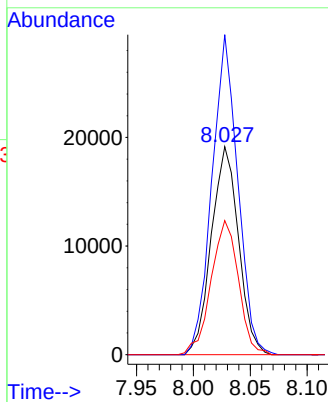
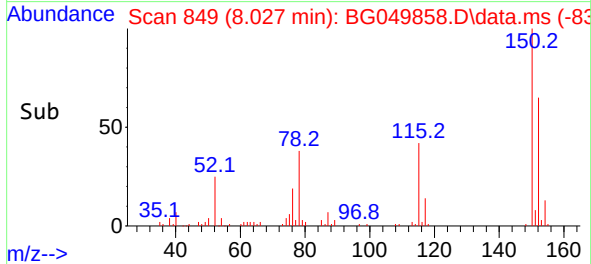




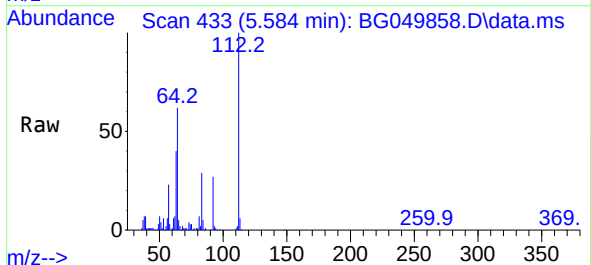
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.027 min Scan# 849
Delta R.T. -0.001 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28



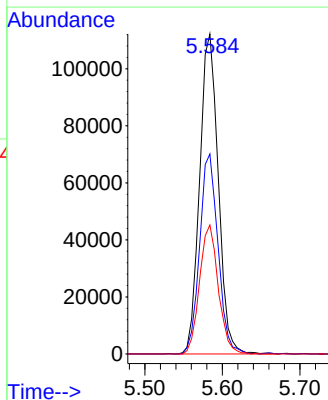
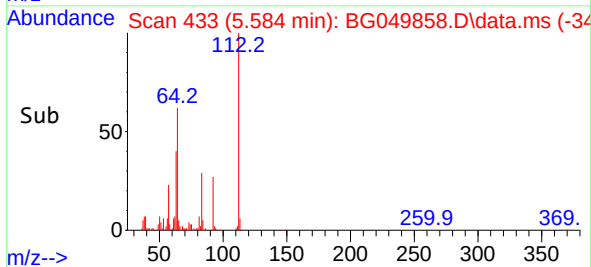
Tgt Ion:152 Resp: 31858
Ion Ratio Lower Upper
152 100
150 153.8 119.4 179.0
115 64.5 60.2 90.4



#5
2-Fluorophenol
Concen: 105.184 ng
RT: 5.584 min Scan# 433
Delta R.T. 0.005 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28



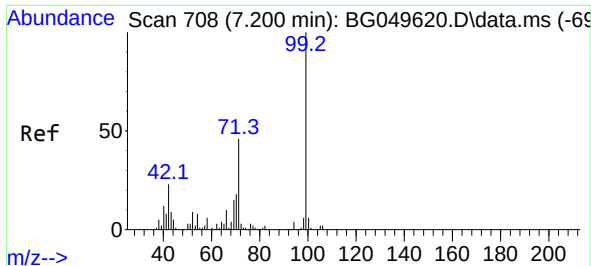
Tgt Ion:112 Resp: 186932
Ion Ratio Lower Upper
112 100
64 62.5 46.7 70.1
63 40.3 35.3 52.9



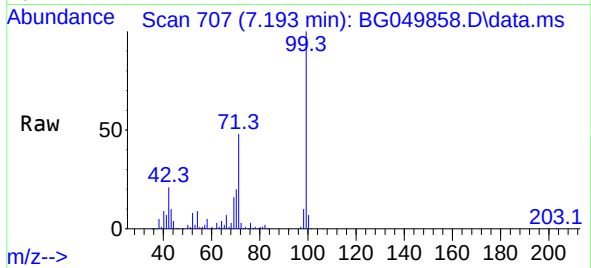
Instrument :
BNA_G
ClientSampled :
28S

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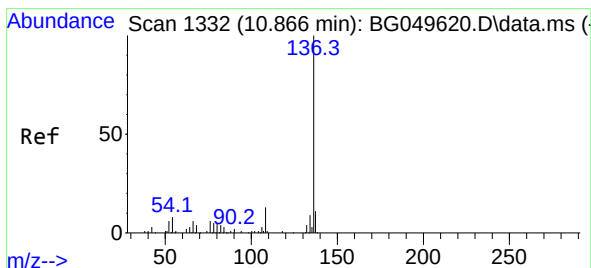
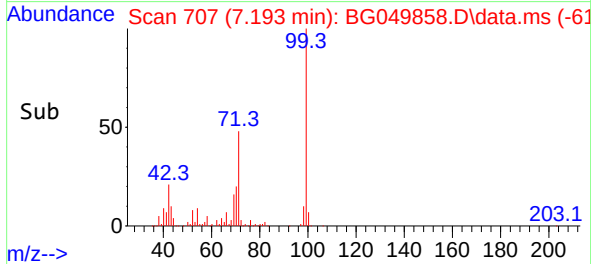
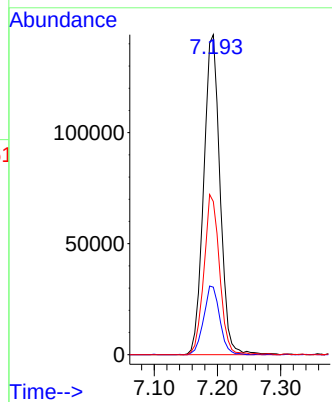
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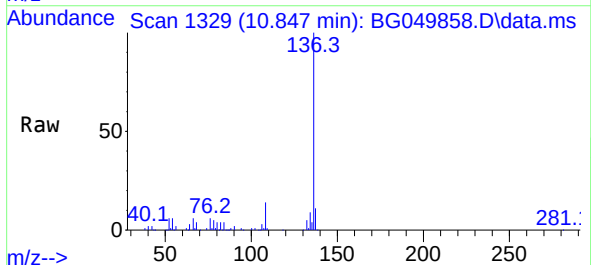
#7
Phenol-d6
Concen: 96.304 ng
RT: 7.193 min Scan# 707
Delta R.T. -0.000 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28



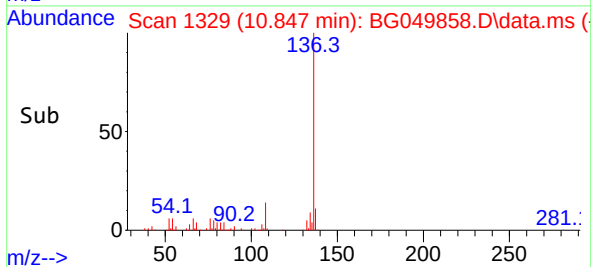
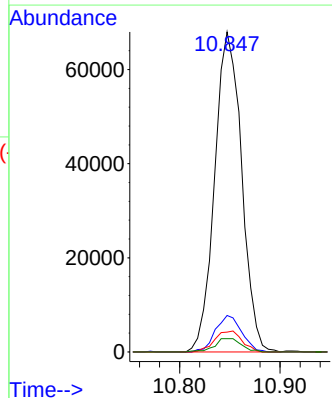
Tgt Ion: 99 Resp: 259078
Ion Ratio Lower Upper
99 100
42 21.1 20.5 30.7
71 47.8 41.5 62.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.847 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28



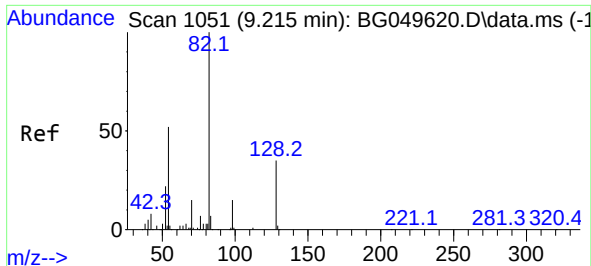
Tgt Ion: 136 Resp: 126721
Ion Ratio Lower Upper
136 100
137 11.4 8.2 12.2
54 6.2 5.5 8.3
68 4.2 2.3 3.5#



Instrument :
BNA_G
ClientSampled :
28S

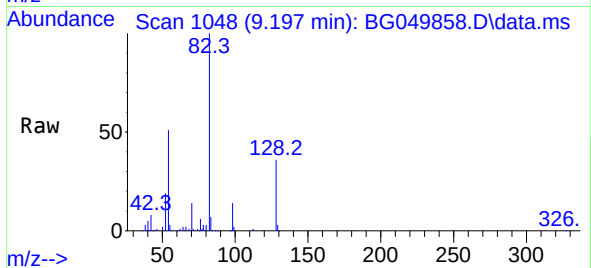
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#23
Nitrobenzene-d5
Concen: 65.782 ng
RT: 9.197 min Scan# 1048
Delta R.T. -0.000 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28

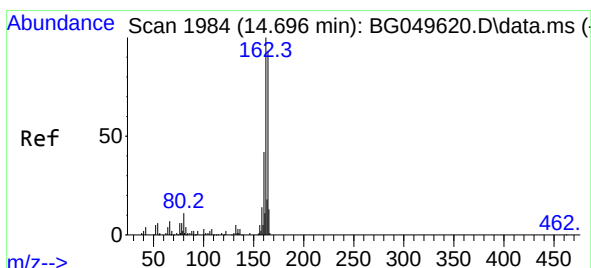
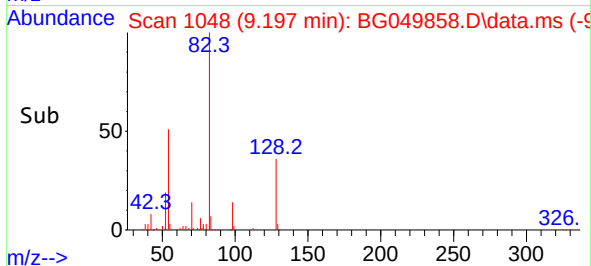
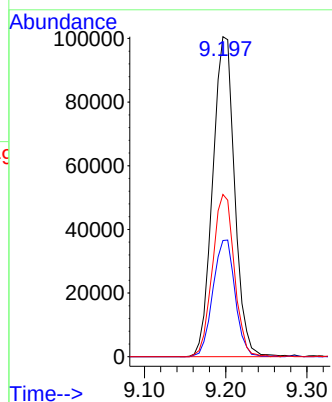
Instrument :
BNA_G
ClientSampled :
28S



Tgt Ion: 82 Resp: 188379
Ion Ratio Lower Upper
82 100
128 36.3 29.8 44.6
54 50.7 45.8 68.8

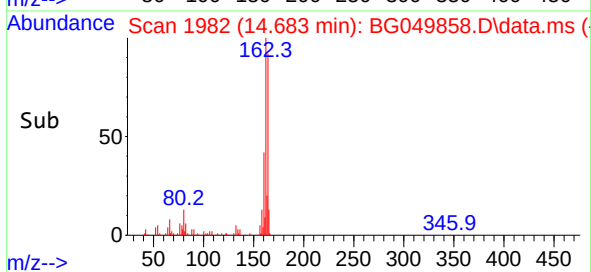
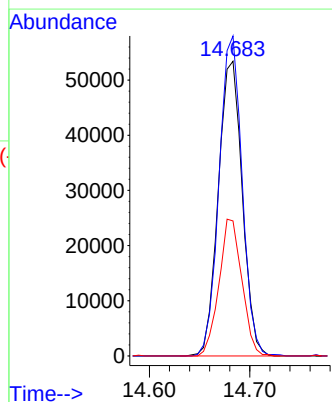
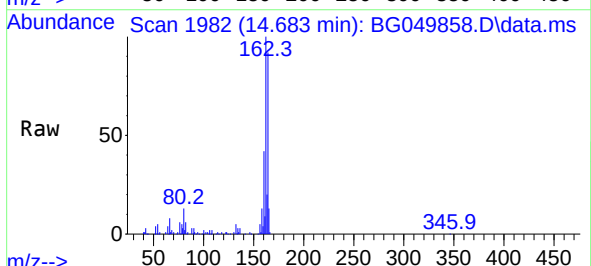
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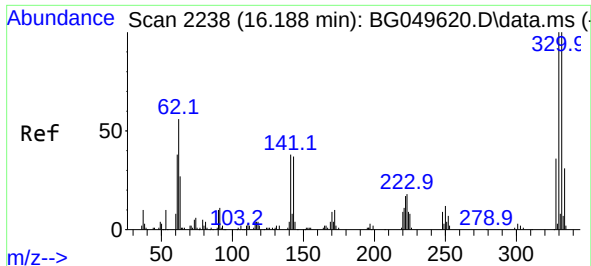
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.683 min Scan# 1982
Delta R.T. -0.000 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28

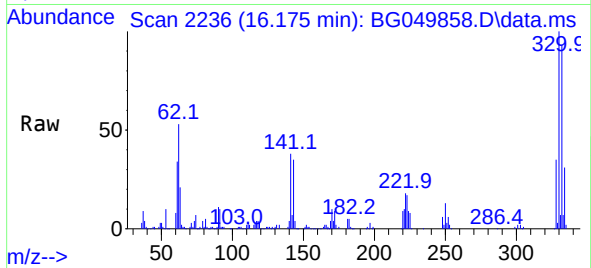
Tgt Ion: 164 Resp: 88376
Ion Ratio Lower Upper
164 100
162 108.6 81.4 122.0
160 45.8 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 99.652 ng
RT: 16.175 min Scan# 2236
Delta R.T. -0.000 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28

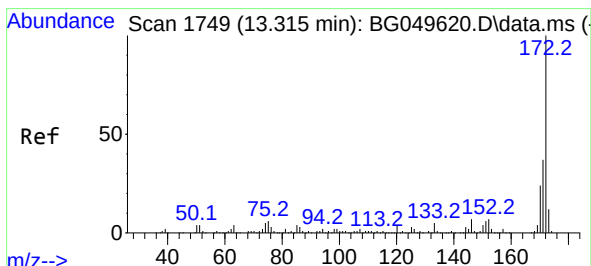
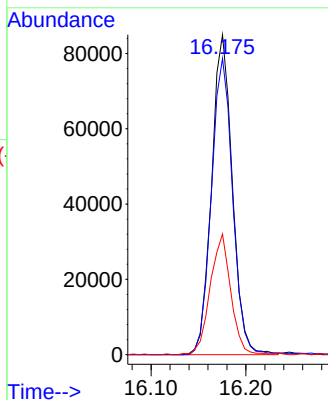
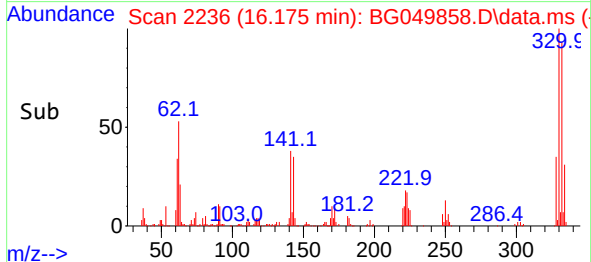
Instrument :
BNA_G
ClientSampled :
28S



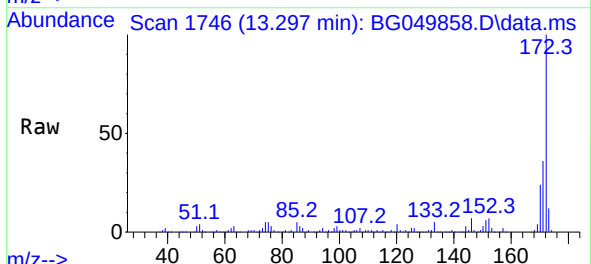
Tgt Ion:330 Resp: 129449
Ion Ratio Lower Upper
330 100
332 94.9 77.3 115.9
141 37.5 35.6 53.4

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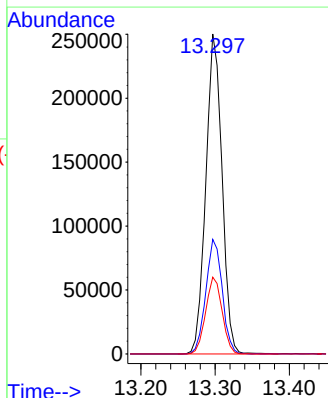
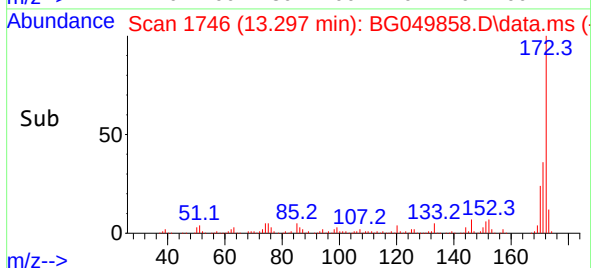
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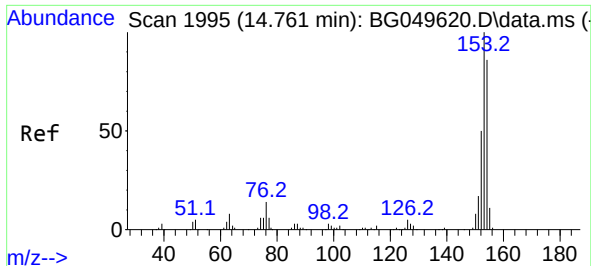


#45
2-Fluorobiphenyl
Concen: 62.435 ng
RT: 13.297 min Scan# 1746
Delta R.T. -0.006 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28



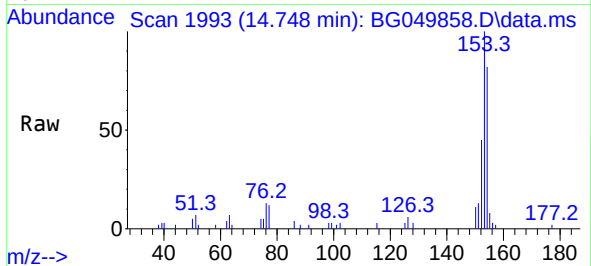
Tgt Ion:172 Resp: 379206
Ion Ratio Lower Upper
172 100
171 35.8 28.6 43.0
170 24.0 18.6 27.8





#52
Acenaphthene
Concen: 2.408 ng
RT: 14.748 min Scan# 1993
Delta R.T. -0.000 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28

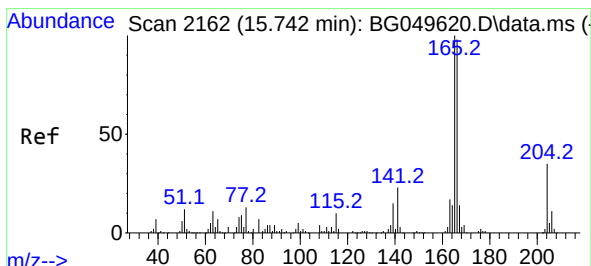
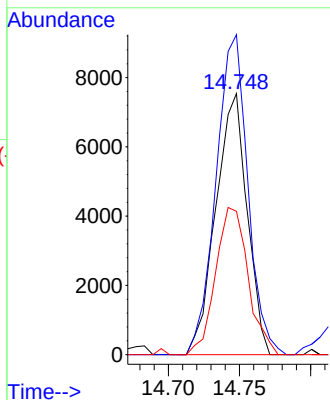
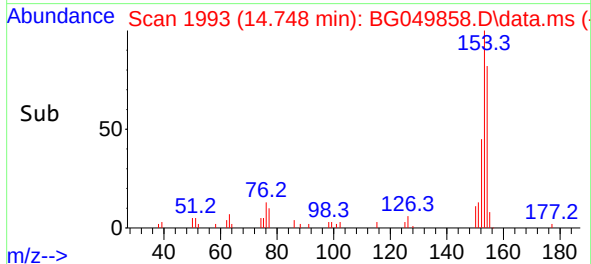
Instrument :
BNA_G
ClientSampled :
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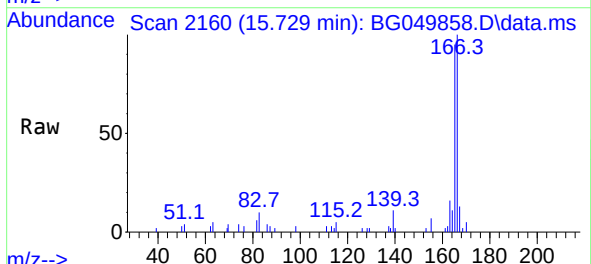
Tgt Ion:154 Resp: 11557
Ion Ratio Lower Upper
154 100
153 122.5 87.0 130.4
152 54.9 40.1 60.1

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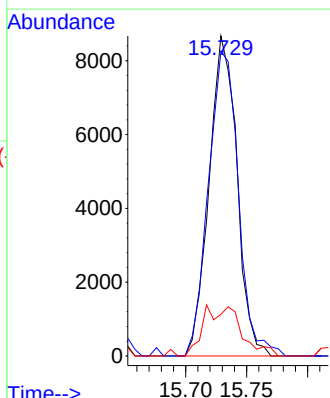
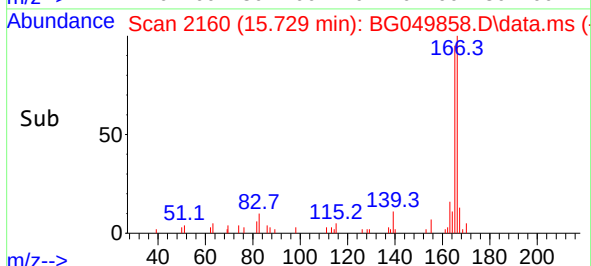
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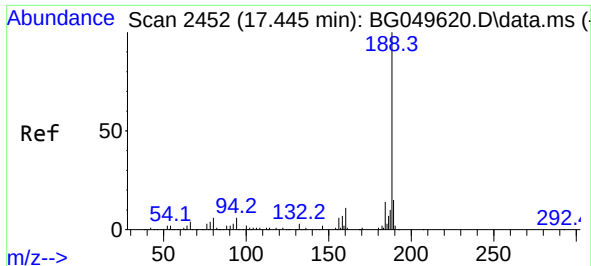


#58
Fluorene
Concen: 2.174 ng
RT: 15.729 min Scan# 2160
Delta R.T. -0.000 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28



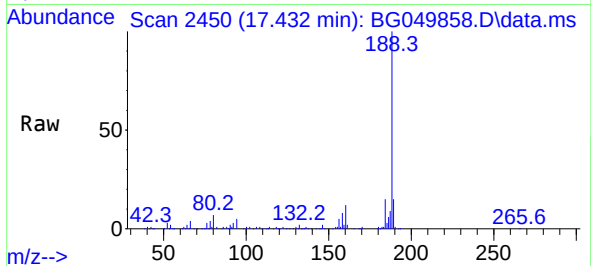
Tgt Ion:166 Resp: 13762
Ion Ratio Lower Upper
166 100
165 95.3 77.7 116.5
167 13.0 10.8 16.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.432 min Scan# 2450
Delta R.T. -0.006 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28

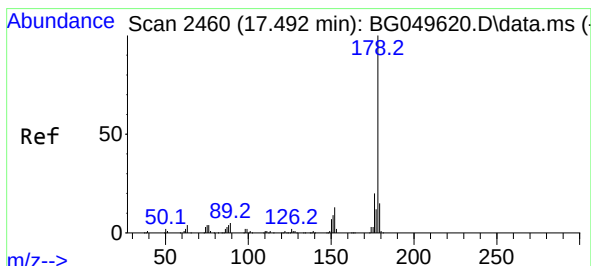
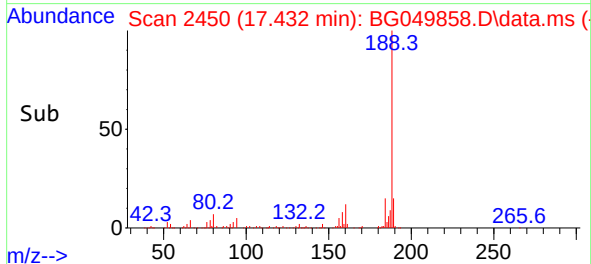
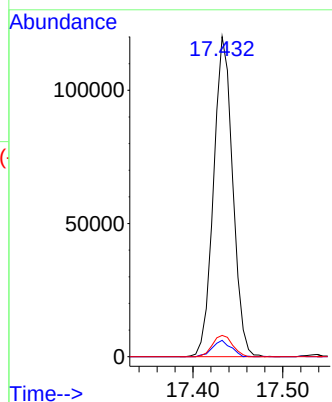
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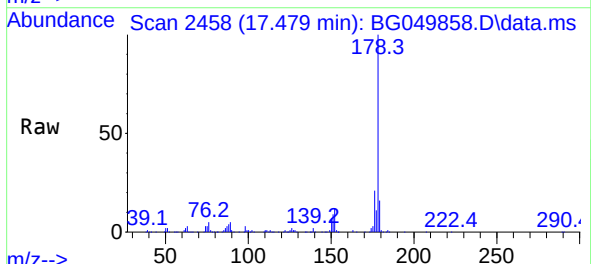
Tgt Ion:188 Resp: 177784
Ion Ratio Lower Upper
188 100
94 5.1 5.4 8.0#
80 6.7 3.7 5.5#

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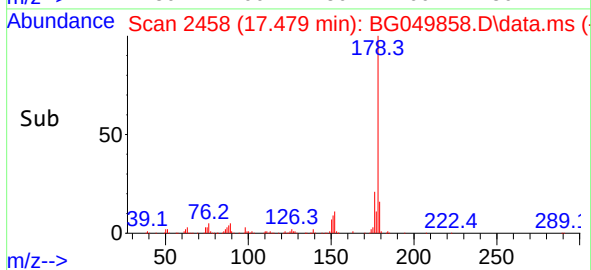
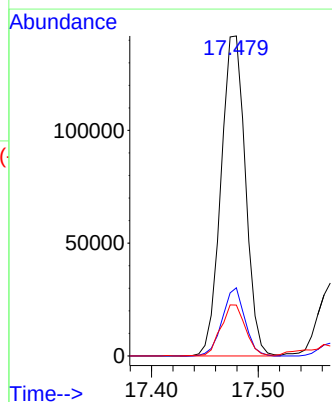
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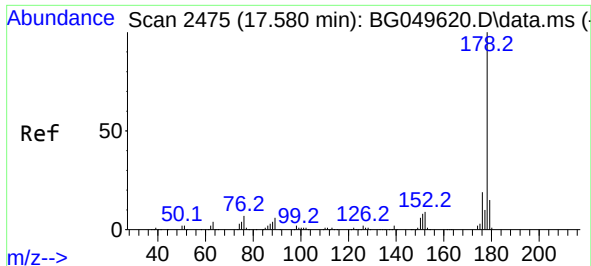


#71
Phenanthrene
Concen: 24.110 ng
RT: 17.479 min Scan# 2458
Delta R.T. -0.000 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28



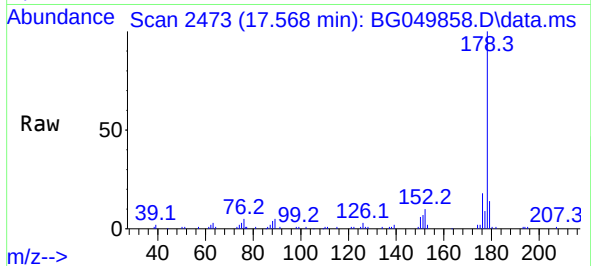
Tgt Ion:178 Resp: 225516
Ion Ratio Lower Upper
178 100
176 21.3 16.0 24.0
179 15.9 14.2 21.4





#72
 Anthracene
 Concen: 5.245 ng
 RT: 17.568 min Scan# 2473
 Delta R.T. -0.000 min
 Lab File: BG049858.D
 Acq: 16 Aug 2021 20:28

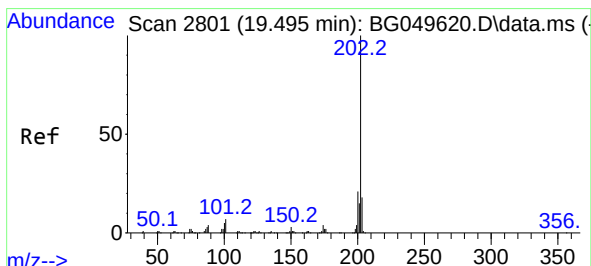
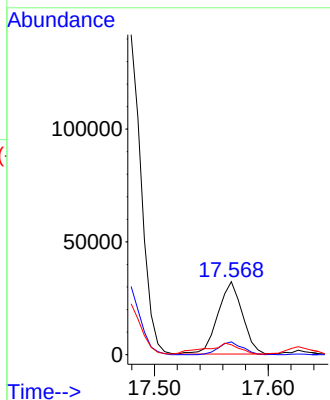
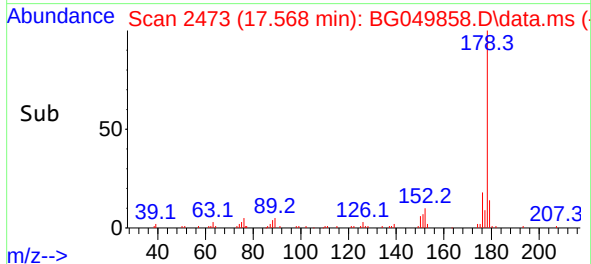
Instrument :
 BNA_G
 ClientSampled :
 28S



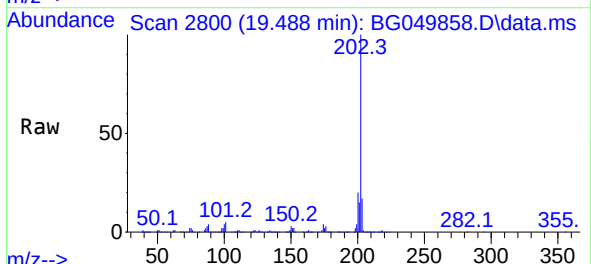
Tgt Ion:178 Resp: 48180
 Ion Ratio Lower Upper
 178 100
 176 17.6 14.6 21.8
 179 13.7 13.4 20.0

Manual Integrations
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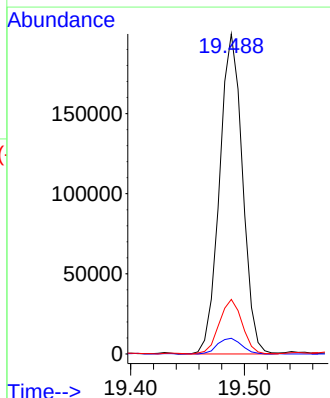
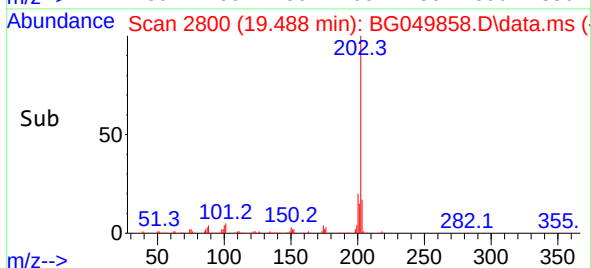
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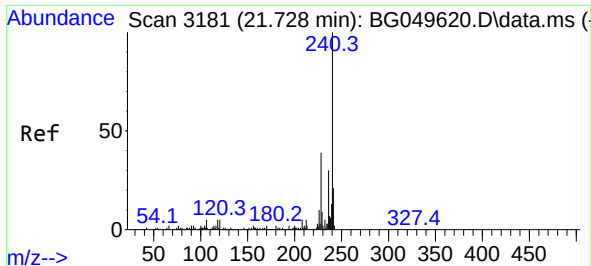


#75
 Fluoranthene
 Concen: 24.389 ng
 RT: 19.488 min Scan# 2800
 Delta R.T. -0.000 min
 Lab File: BG049858.D
 Acq: 16 Aug 2021 20:28



Tgt Ion:202 Resp: 280720
 Ion Ratio Lower Upper
 202 100
 101 4.9 0.0 24.7
 203 17.0 0.0 38.5





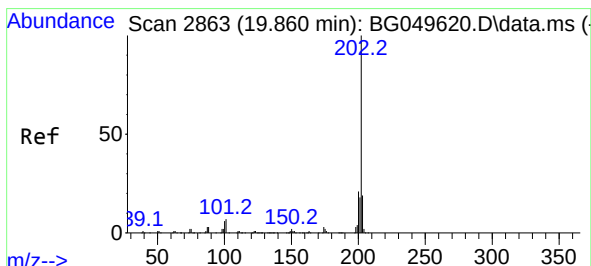
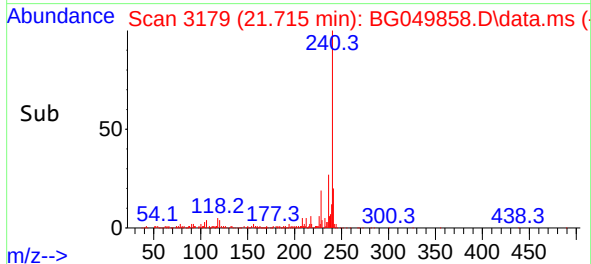
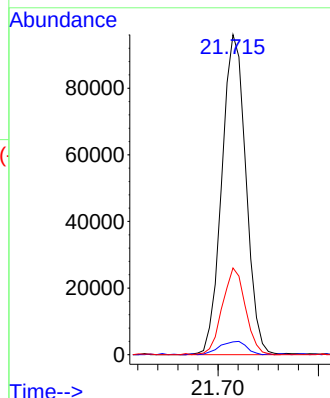
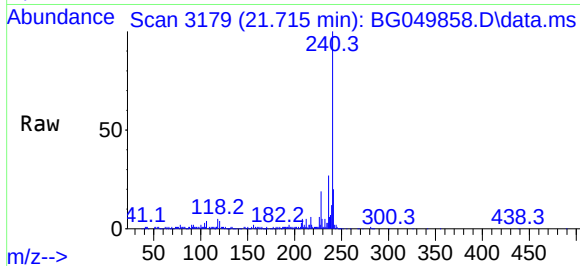
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.715 min Scan# 3179
Delta R.T. -0.006 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28

Tgt Ion:240 Resp: 159679
Ion Ratio Lower Upper
240 100
120 4.0 4.2 6.2#
236 27.1 21.8 32.6

Instrument :
BNA_G
ClientSampled :
28S

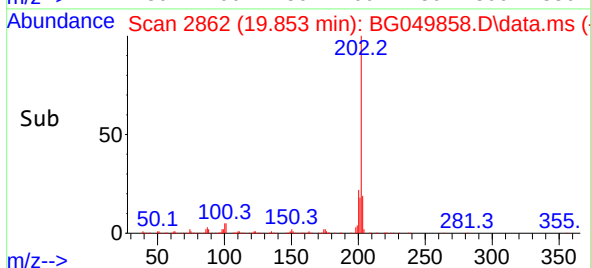
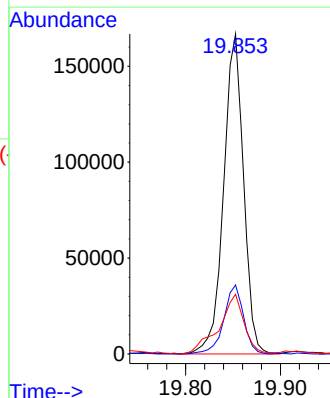
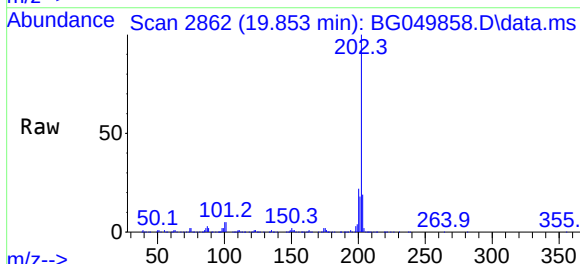
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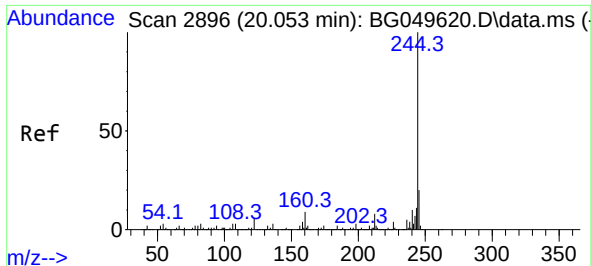
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#78
Pyrene
Concen: 22.416 ng
RT: 19.853 min Scan# 2862
Delta R.T. -0.000 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28

Tgt Ion:202 Resp: 244024
Ion Ratio Lower Upper
202 100
200 21.6 15.8 23.8
203 18.6 14.6 21.8





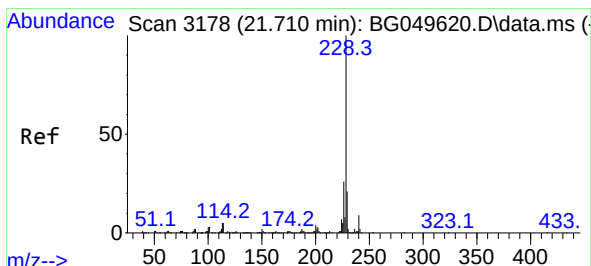
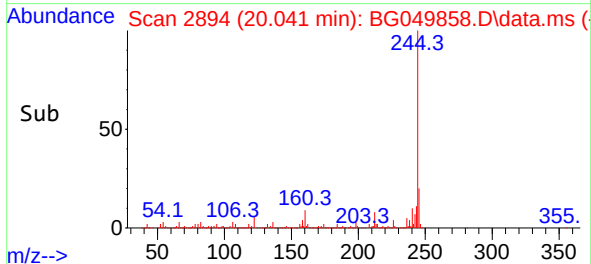
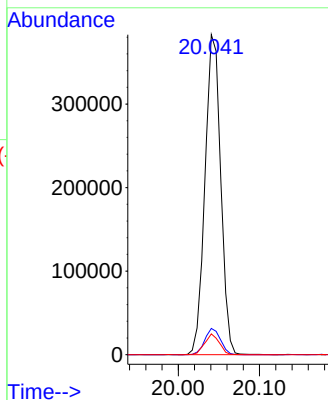
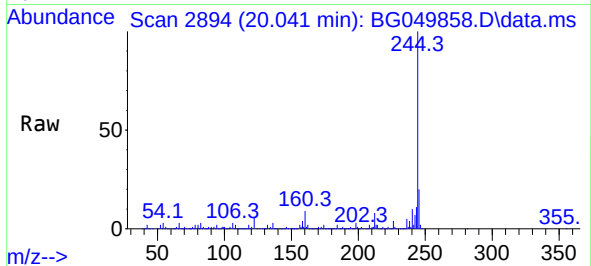
#79
 Terphenyl-d14
 Concen: 58.461 ng
 RT: 20.041 min Scan# 2894
 Delta R.T. -0.006 min
 Lab File: BG049858.D
 Acq: 16 Aug 2021 20:28

Tgt Ion:244 Resp: 513983
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.9 10.3
 122 6.5 5.0 7.6

Instrument :
 BNA_G
 ClientSampled :
 28S

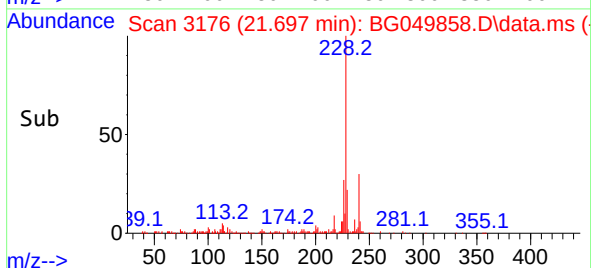
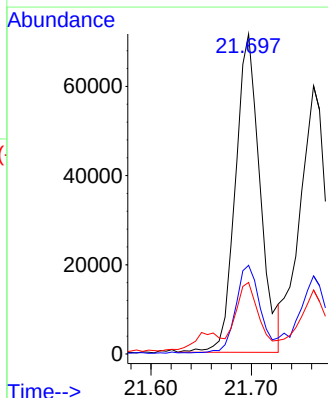
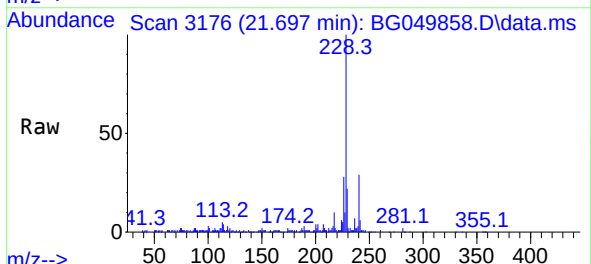
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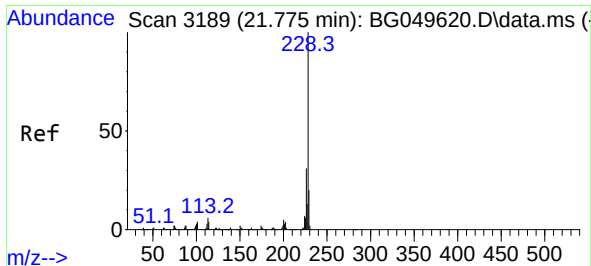
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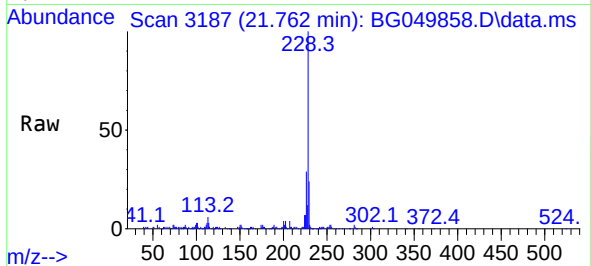
#81
 Benzo(a)anthracene
 Concen: 11.738 ng
 RT: 21.697 min Scan# 3176
 Delta R.T. -0.000 min
 Lab File: BG049858.D
 Acq: 16 Aug 2021 20:28

Tgt Ion:228 Resp: 122064
 Ion Ratio Lower Upper
 228 100
 226 27.7 22.7 34.1
 229 22.3 16.0 24.0

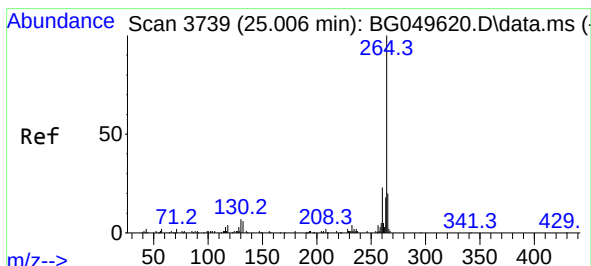
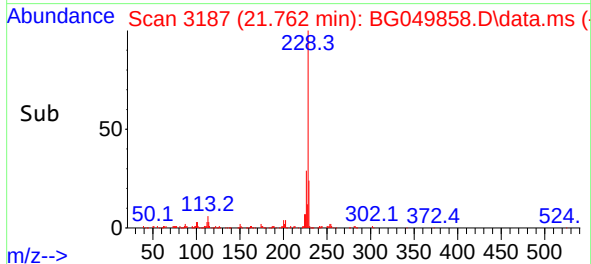
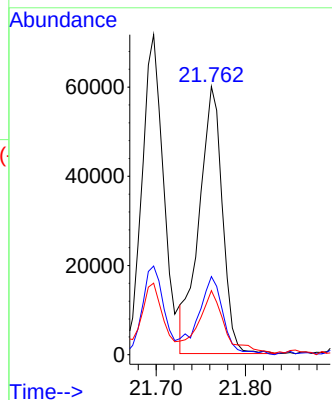




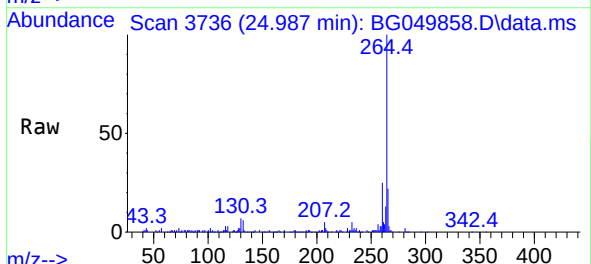
#83
Chrysene
Concen: 10.958 ng m
RT: 21.762 min Scan# 3187
Delta R.T. -0.006 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28



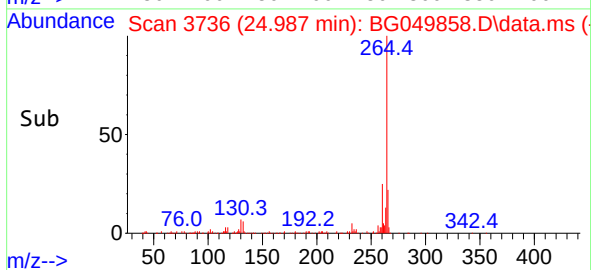
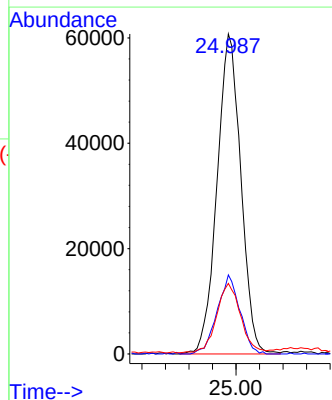
Tgt Ion:228 Resp: 108925
Ion Ratio Lower Upper
228 100
226 29.1 23.1 34.7
229 23.9 15.3 22.9#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.987 min Scan# 3736
Delta R.T. -0.000 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28



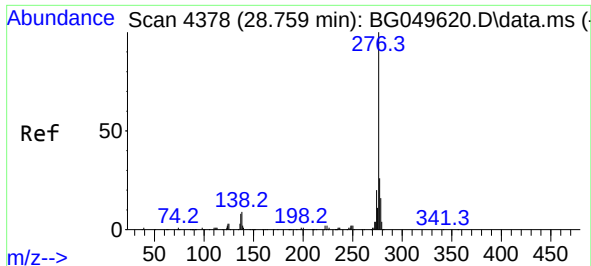
Tgt Ion:264 Resp: 170517
Ion Ratio Lower Upper
264 100
260 24.7 19.4 29.2
265 22.0 16.9 25.3



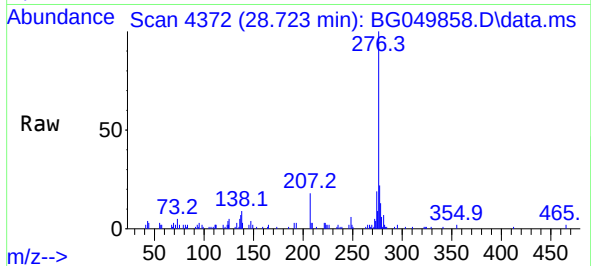
Instrument :
BNA_G
ClientSampleId :
28S

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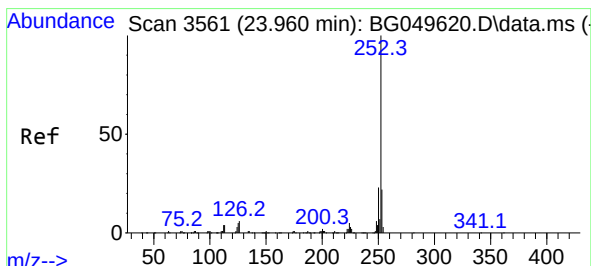
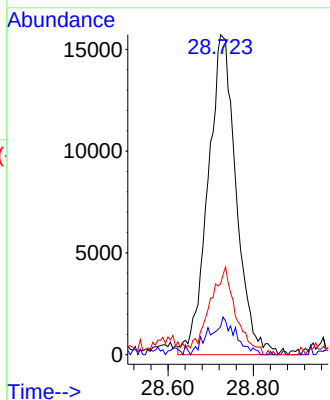
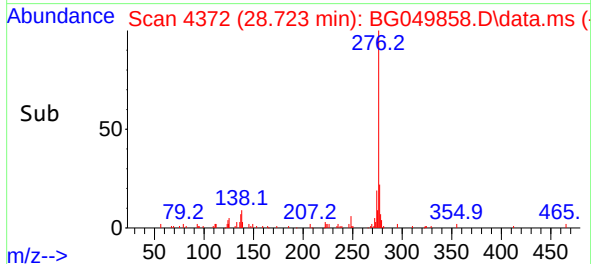
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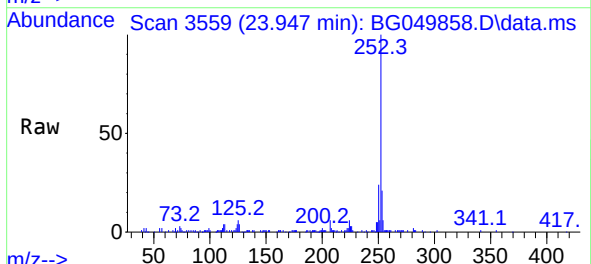
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.860 ng
RT: 28.723 min Scan# 4372
Delta R.T. -0.012 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28



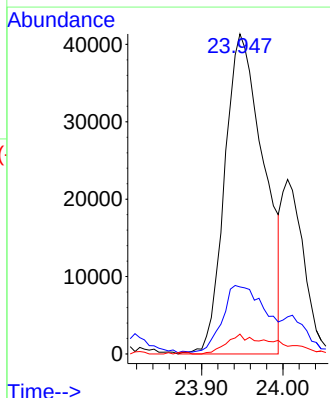
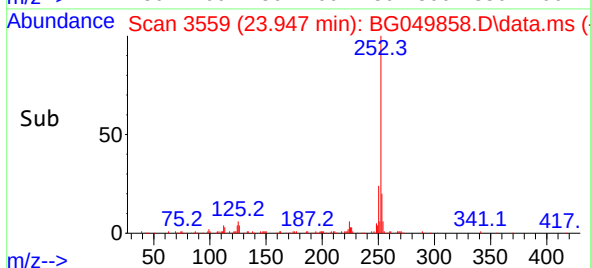
Tgt Ion: 276 Resp: 72062
Ion Ratio Lower Upper
276 100
138 7.7 5.1 7.7
277 25.4 19.8 29.6



#88
Benzo(b)fluoranthene
Concen: 12.371 ng
RT: 23.947 min Scan# 3559
Delta R.T. -0.006 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28



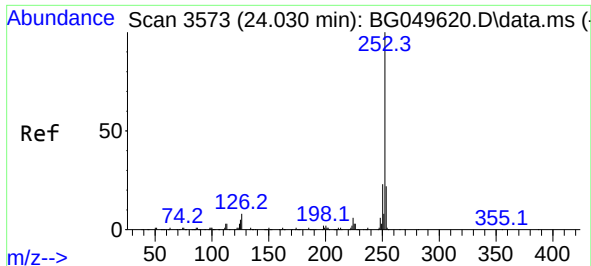
Tgt Ion: 252 Resp: 138350
Ion Ratio Lower Upper
252 100
253 21.0 16.2 24.4
125 6.2 3.0 4.4#



Instrument :
BNA_G
ClientSampled :
28S

Manual Integrations
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#89

Benzo(k)fluoranthene

Concen: 4.040 ng m

RT: 24.006 min Scan# 3569

Delta R.T. -0.012 min

Lab File: BG049858.D

Acq: 16 Aug 2021 20:28

Tgt Ion:	252	Resp:	42148
Ion Ratio	Lower	Upper	
252	100		
253	21.3	18.0	27.0
125	4.4	3.1	4.7

Instrument :

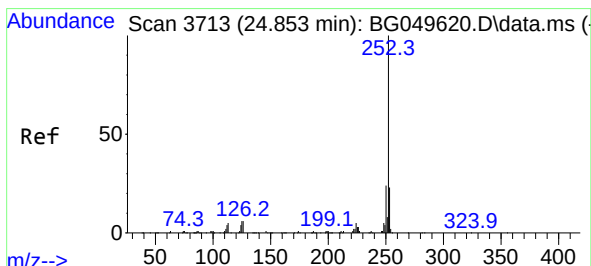
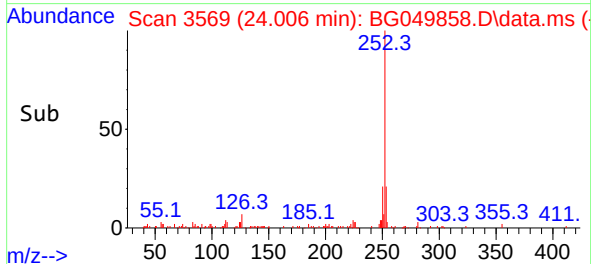
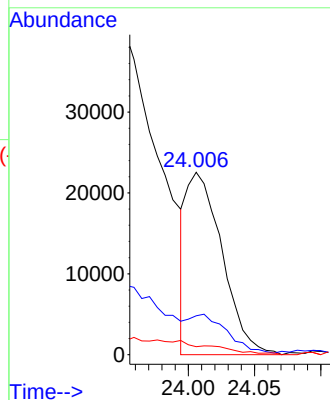
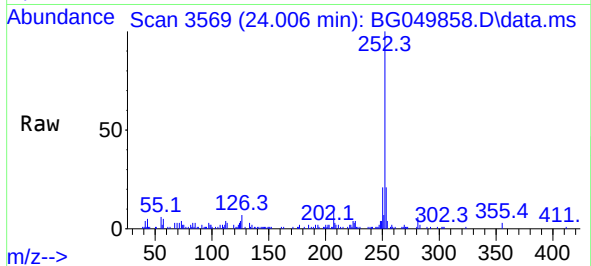
BNA_G

ClientSampled :

28S

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#90

Benzo(a)pyrene

Concen: 10.513 ng

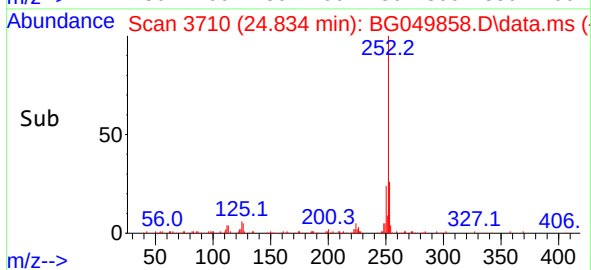
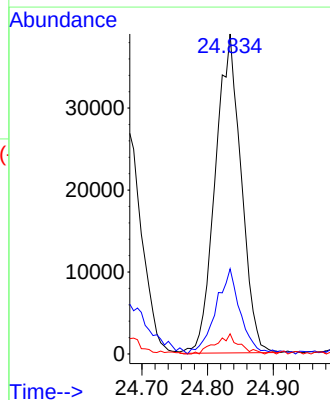
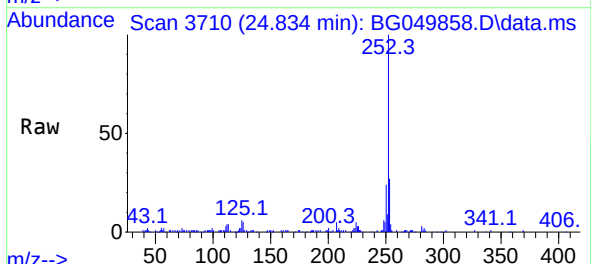
RT: 24.834 min Scan# 3710

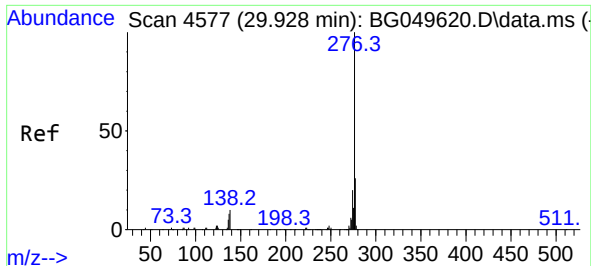
Delta R.T. -0.006 min

Lab File: BG049858.D

Acq: 16 Aug 2021 20:28

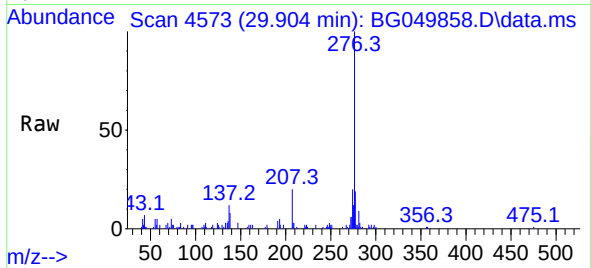
Tgt Ion:	252	Resp:	106403
Ion Ratio	Lower	Upper	
252	100		
253	26.6	16.6	25.0#
125	6.3	3.5	5.3#





#92
Benzo(g,h,i)perylene
Concen: 6.835 ng
RT: 29.904 min Scan# 4573
Delta R.T. -0.012 min
Lab File: BG049858.D
Acq: 16 Aug 2021 20:28

Instrument :
BNA_G
ClientSampleId :
28S



Tgt Ion	Ratio	Lower	Upper
276	100		
277	19.5	18.4	27.6
138	8.3	7.0	10.6

Manual Integrations
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