

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081721\
 Data File : BG049878.D
 Acq On : 17 Aug 2021 15:06
 Operator : CG/JU
 Sample : M3407-20DL 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 28NDL

Manual Integrations
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Quant Time: Aug 17 16:08:21 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	8.022	152	32848	20.000	ng	0.00
21) Naphthalene-d8	10.848	136	135058	20.000	ng	0.00
39) Acenaphthene-d10	14.678	164	88547	20.000	ng	0.00
64) Phenanthrene-d10	17.433	188	175210	20.000	ng	# 0.00
76) Chrysene-d12	21.715	240	155933	20.000	ng	# 0.00
86) Perylene-d12	24.999	264	164596	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.584	112	14452	7.887	ng	0.00
7) Phenol-d6	7.194	99	20708	7.466	ng	0.00
23) Nitrobenzene-d5	9.197	82	15170	4.970	ng	0.00
42) 2,4,6-Tribromophenol	16.176	330	10024	7.702	ng	0.00
45) 2-Fluorobiphenyl	13.297	172	30957	5.087	ng	0.00
79) Terphenyl-d14	20.041	244	43509	5.068	ng	0.00
Target Compounds						Qvalue
55) Dibenzofuran	15.077	168	15667	2.008	ng	90
58) Fluorene	15.729	166	20447	3.224	ng	# 99
71) Phenanthrene	17.474	178	310614	33.696	ng	98
72) Anthracene	17.568	178	72288	7.985	ng	96
73) Carbazole	17.838	167	22298	2.601	ng	# 91
75) Fluoranthene	19.489	202	487880	43.011	ng	98
78) Pyrene	19.853	202	391001	36.780	ng	98
81) Benzo(a)anthracene	21.698	228	200354	19.730	ng	98
83) Chrysene	21.762	228	159500	16.431	ng	97
87) Indeno(1,2,3-cd)pyrene	28.753	276	116972	9.854	ng	# 60
88) Benzo(b)fluoranthene	23.954	252	231110	21.409	ng	# 92
89) Benzo(k)fluoranthene	24.012	252	72251m	7.175	ng	
90) Benzo(a)pyrene	24.835	252	166858	17.080	ng	# 97
91) Dibenzo(a,h)anthracene	28.771	278	32417m	3.241	ng	
92) Benzo(g,h,i)perylene	29.922	276	111602	11.388	ng	98

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

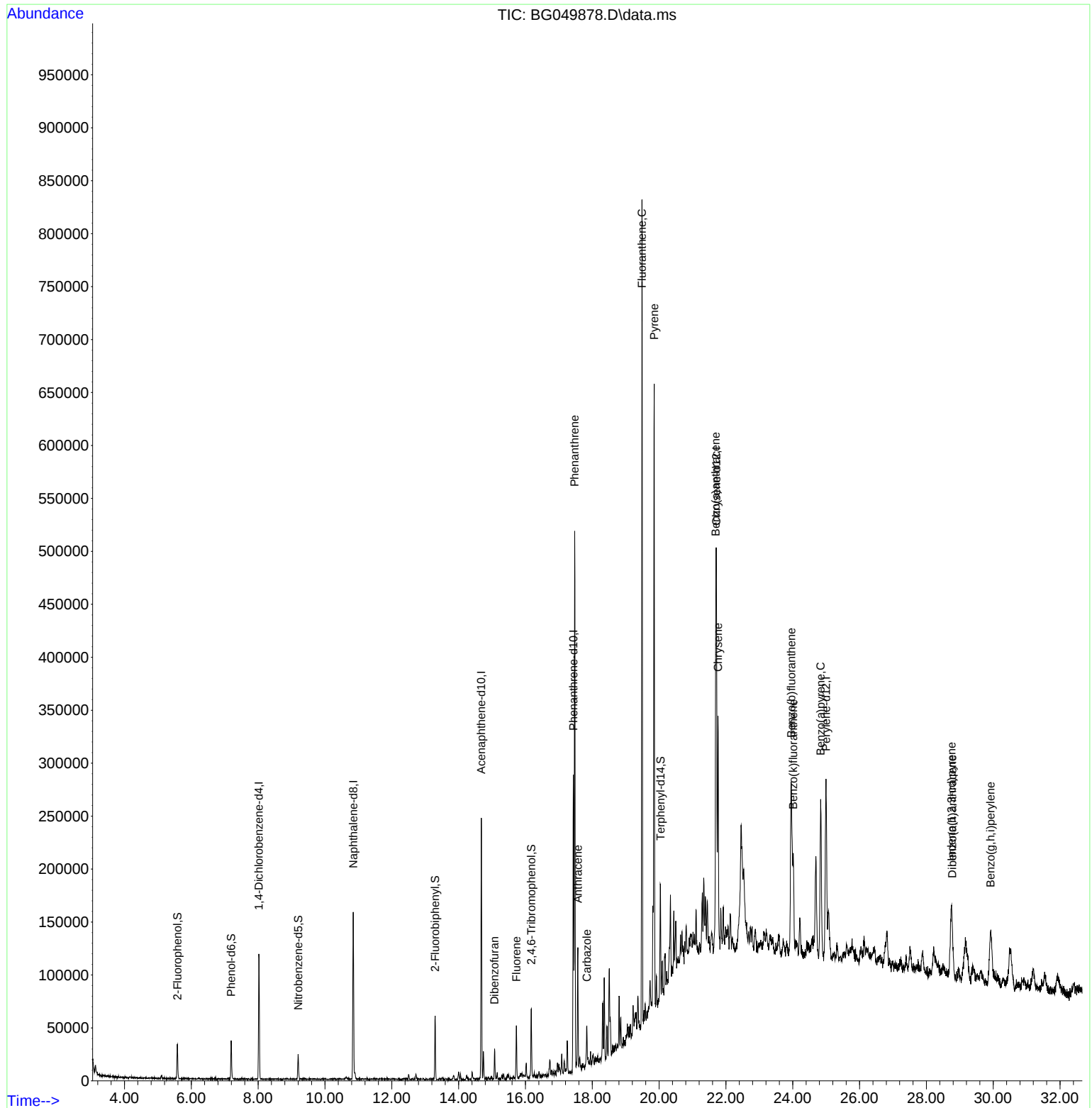
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081721\
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ALS Vial : 9 Sample Multiplier: 1

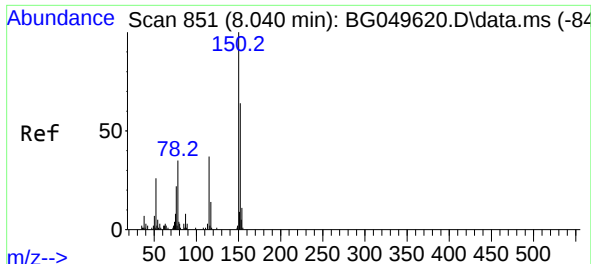
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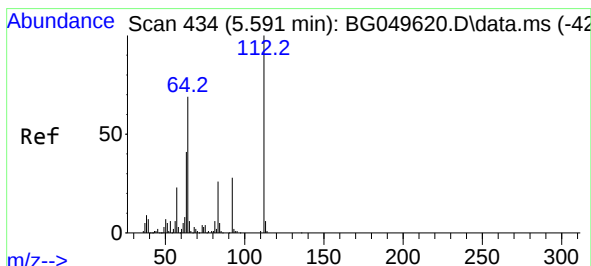
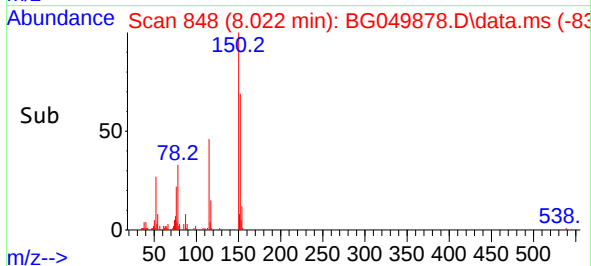
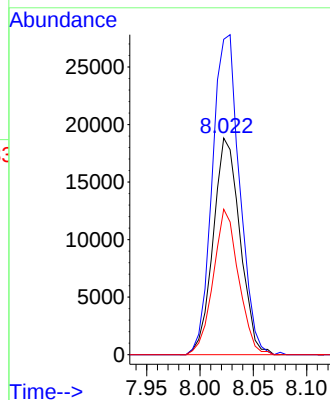
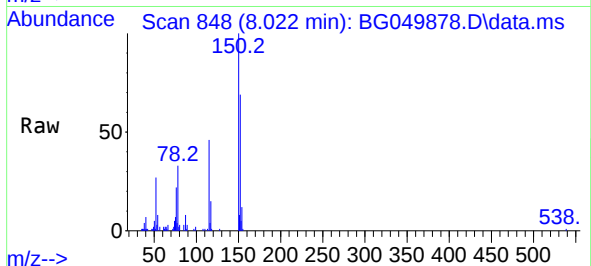
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.022 min Scan# 848
Delta R.T. -0.006 min
Lab File: BG049878.D
Acq: 17 Aug 2021 15:06

Tgt Ion:152 Resp: 32848
Ion Ratio Lower Upper
152 100
150 145.6 119.4 179.0
115 67.1 60.2 90.4

Instrument :
BNA_G
ClientSampled :
28NDL

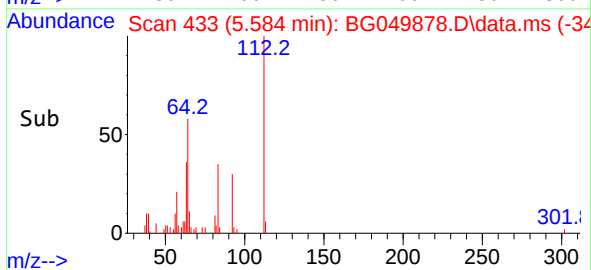
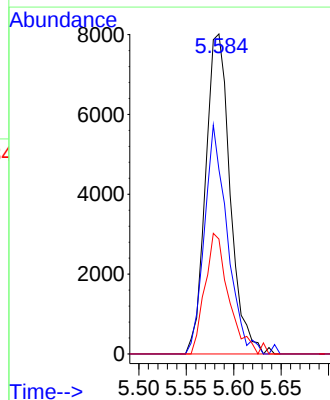
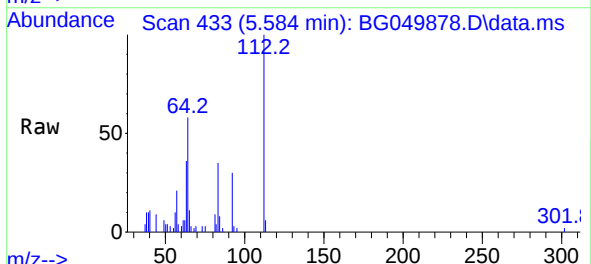
Manual Integrations
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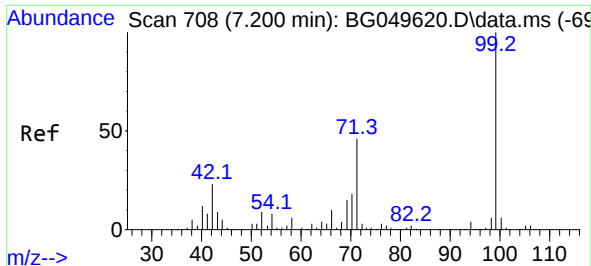
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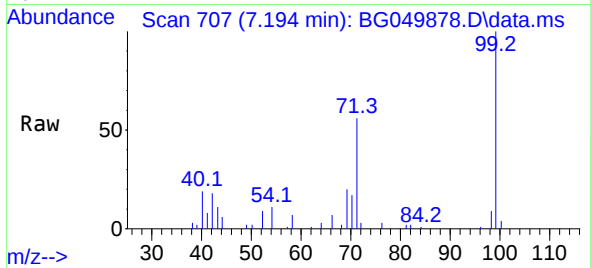
#5
2-Fluorophenol
Concen: 7.887 ng
RT: 5.584 min Scan# 433
Delta R.T. 0.006 min
Lab File: BG049878.D
Acq: 17 Aug 2021 15:06

Tgt Ion:112 Resp: 14452
Ion Ratio Lower Upper
112 100
64 57.7 46.7 70.1
63 35.9 35.3 52.9

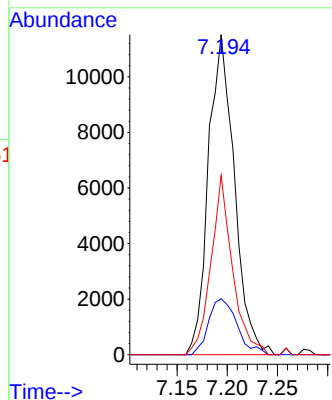




#7
Phenol-d6
Concen: 7.466 ng
RT: 7.194 min Scan# 707
Delta R.T. 0.000 min
Lab File: BG049878.D
Acq: 17 Aug 2021 15:06



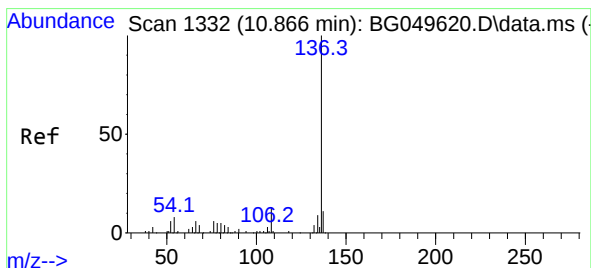
Tgt Ion: 99 Resp: 20708
Ion Ratio Lower Upper
99 100
42 17.5 20.5 30.7#
71 56.0 41.5 62.3



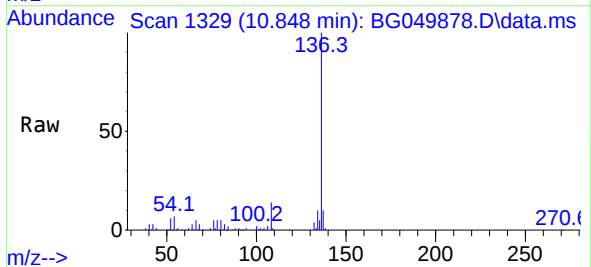
Instrument :
BNA_G
ClientSampleId :
28NDL

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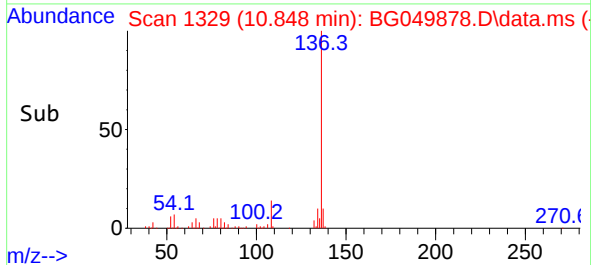
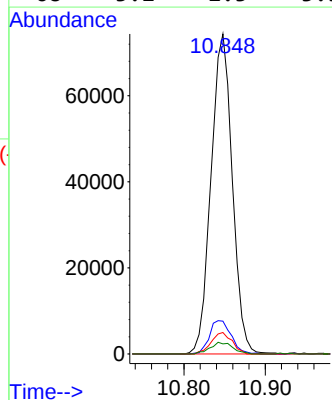
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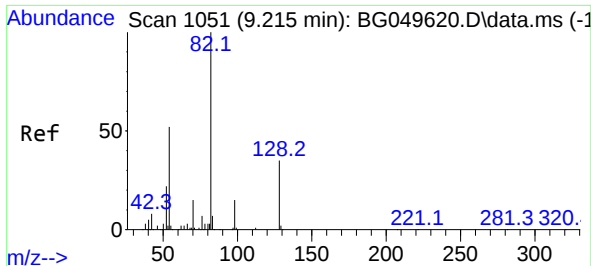


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.848 min Scan# 1329
Delta R.T. 0.000 min
Lab File: BG049878.D
Acq: 17 Aug 2021 15:06



Tgt Ion: 136 Resp: 135058
Ion Ratio Lower Upper
136 100
137 10.2 8.2 12.2
54 6.7 5.5 8.3
68 3.2 2.3 3.5





#23

Nitrobenzene-d5

Concen: 4.970 ng

RT: 9.197 min Scan# 1048

Delta R.T. 0.000 min

Lab File: BG049878.D

Acq: 17 Aug 2021 15:06

Tgt Ion:	82	Resp:	15170
Ion	Ratio	Lower	Upper
82	100		
128	36.7	29.8	44.6
54	47.0	45.8	68.8

Instrument :

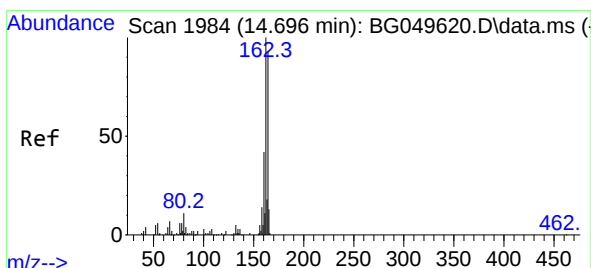
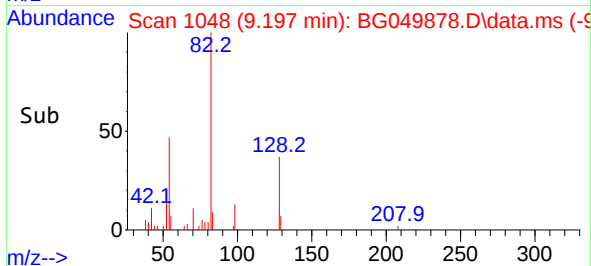
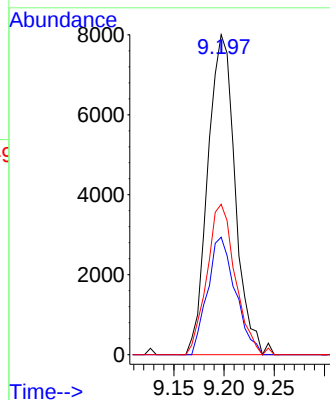
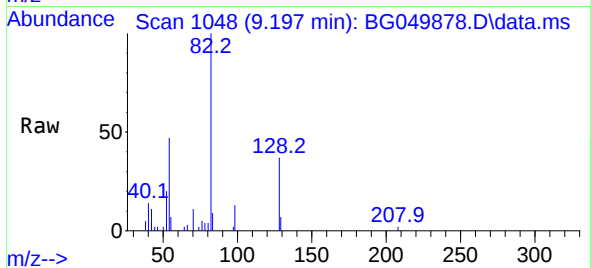
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ClientSampled :

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#39

Acenaphthene-d10

Concen: 20.000 ng

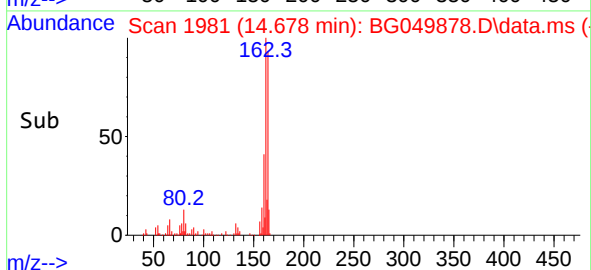
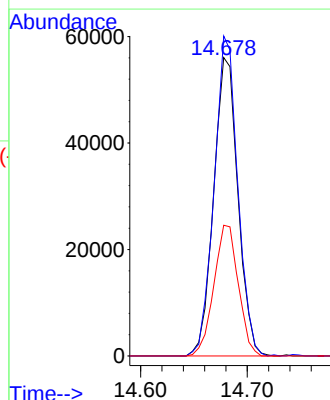
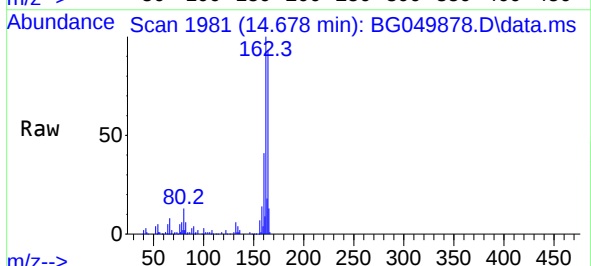
RT: 14.678 min Scan# 1981

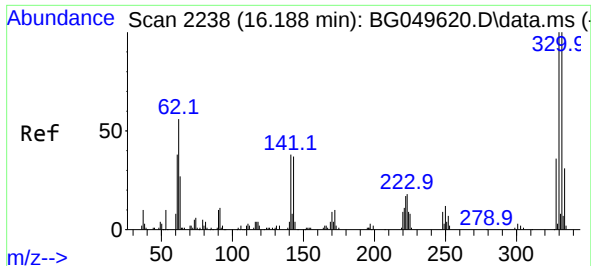
Delta R.T. -0.006 min

Lab File: BG049878.D

Acq: 17 Aug 2021 15:06

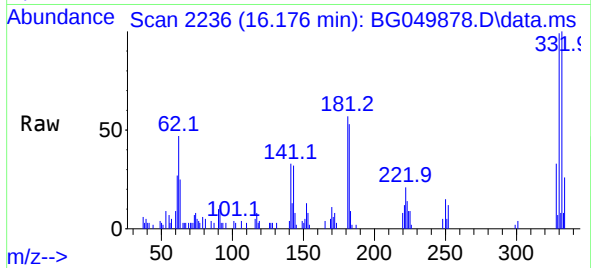
Tgt Ion:	164	Resp:	88547
Ion	Ratio	Lower	Upper
164	100		
162	107.2	81.4	122.0
160	43.8	34.9	52.3





#42
2,4,6-Tribromophenol
Concen: 7.702 ng
RT: 16.176 min Scan# 2236
Delta R.T. 0.000 min
Lab File: BG049878.D
Acq: 17 Aug 2021 15:06

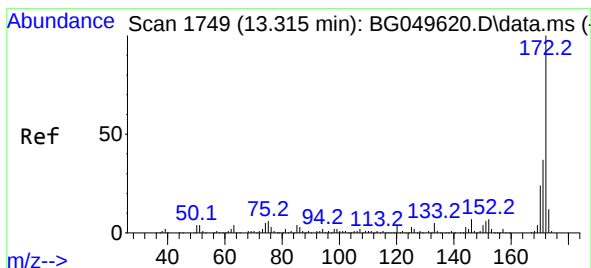
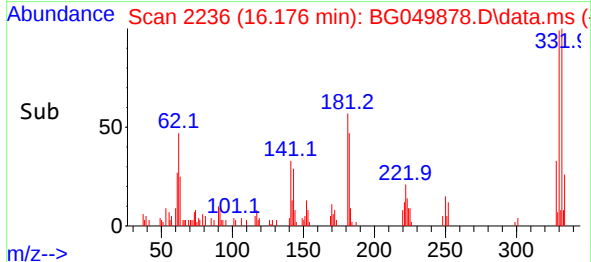
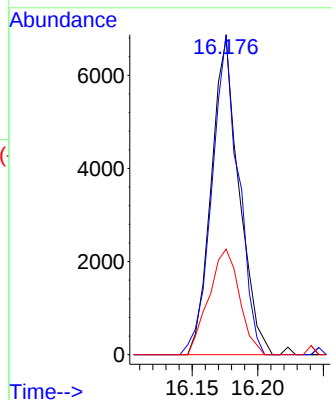
Instrument :
BNA_G
ClientSampled :
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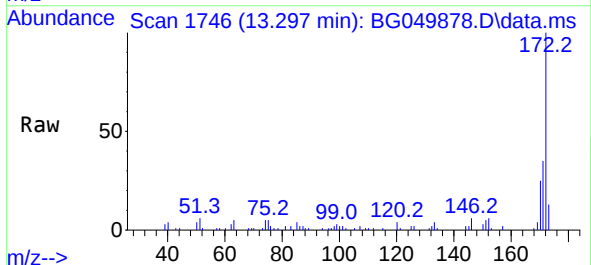
Tgt Ion:330 Resp: 10024
Ion Ratio Lower Upper
330 100
332 96.2 77.3 115.9
141 36.7 35.6 53.4

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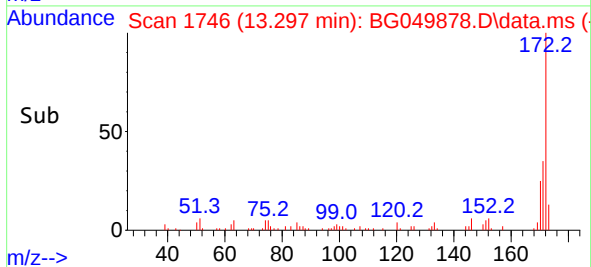
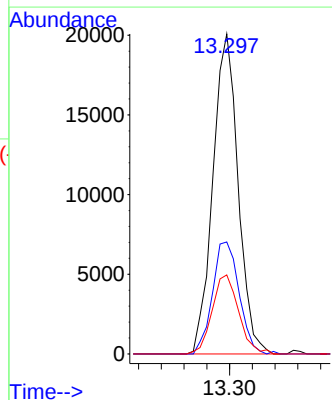
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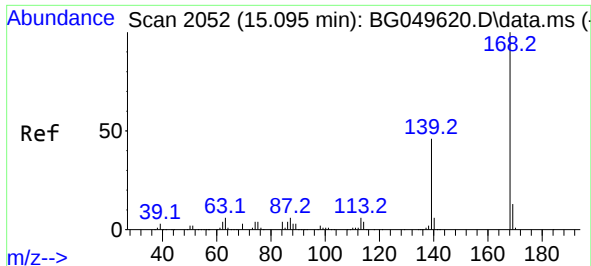


#45
2-Fluorobiphenyl
Concen: 5.087 ng
RT: 13.297 min Scan# 1746
Delta R.T. -0.006 min
Lab File: BG049878.D
Acq: 17 Aug 2021 15:06



Tgt Ion:172 Resp: 30957
Ion Ratio Lower Upper
172 100
171 35.0 28.6 43.0
170 24.7 18.6 27.8





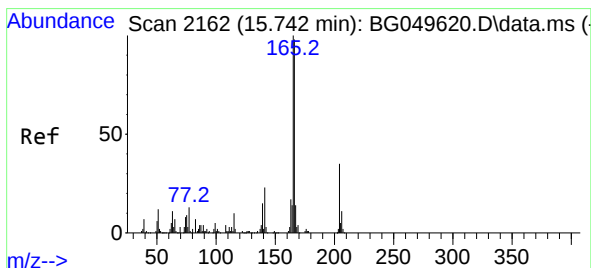
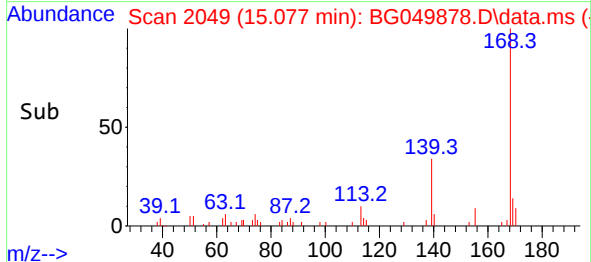
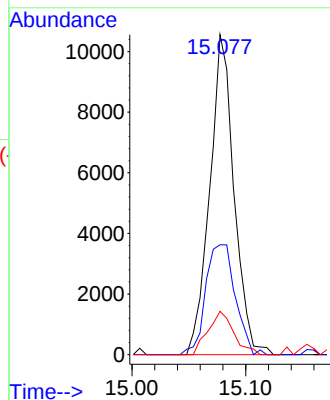
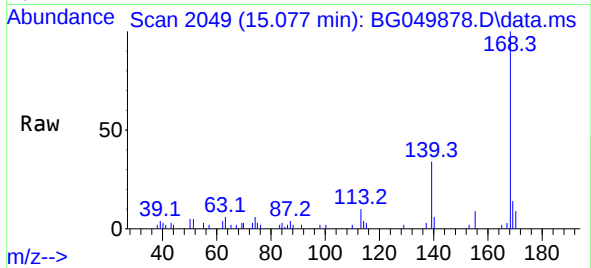
#55
Dibenzenofuran
Concen: 2.008 ng
RT: 15.077 min Scan# 2049
Delta R.T. -0.006 min
Lab File: BG049878.D
Acq: 17 Aug 2021 15:06

Tgt Ion:	168	Resp:	15667
Ion Ratio	Lower	Upper	
168	100		
139	34.3	33.4	50.2
169	13.6	12.3	18.5

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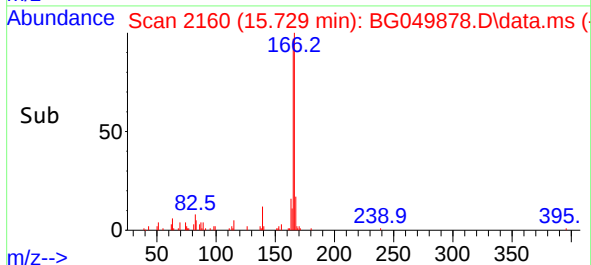
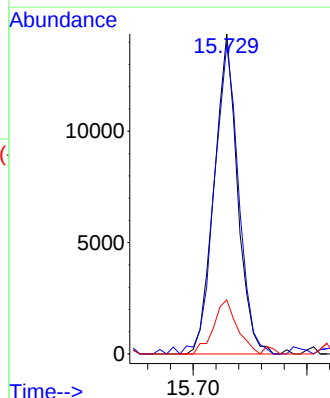
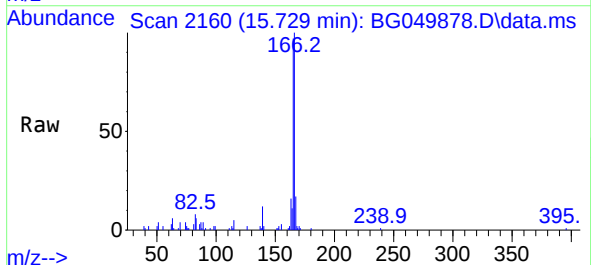
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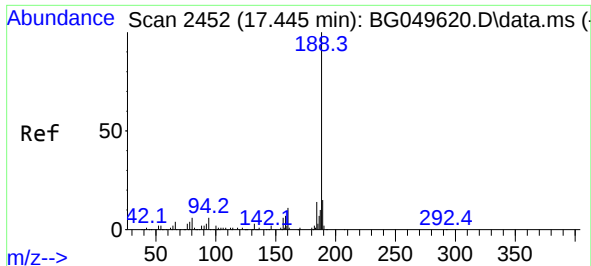
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#58
Fluorene
Concen: 3.224 ng
RT: 15.729 min Scan# 2160
Delta R.T. 0.000 min
Lab File: BG049878.D
Acq: 17 Aug 2021 15:06

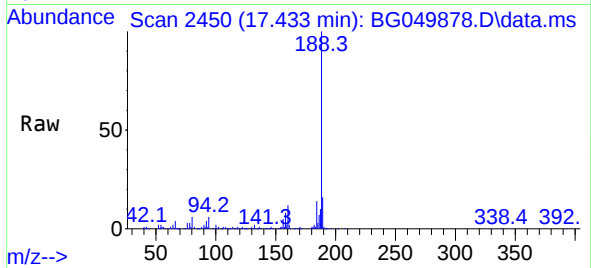
Tgt Ion:	166	Resp:	20447
Ion Ratio	Lower	Upper	
166	100		
165	96.7	77.7	116.5
167	16.9	10.8	16.2#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.433 min Scan# 2450
Delta R.T. -0.006 min
Lab File: BG049878.D
Acq: 17 Aug 2021 15:06

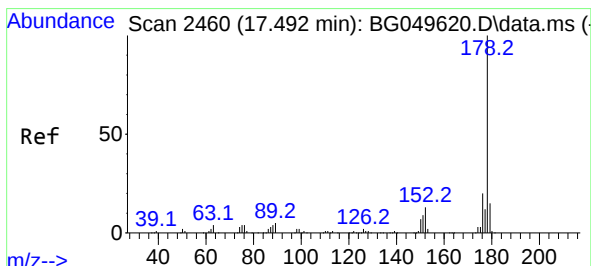
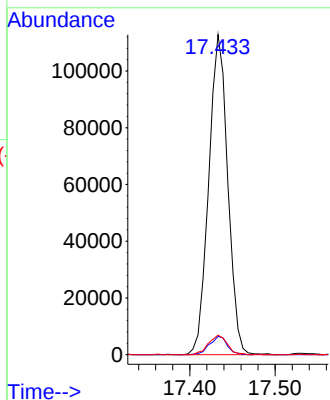
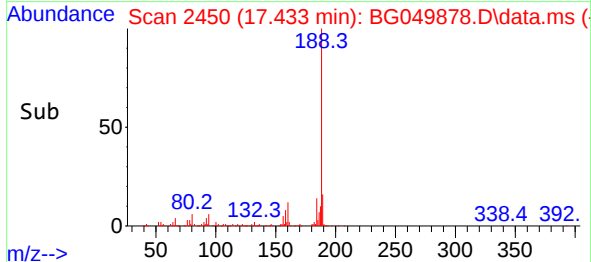
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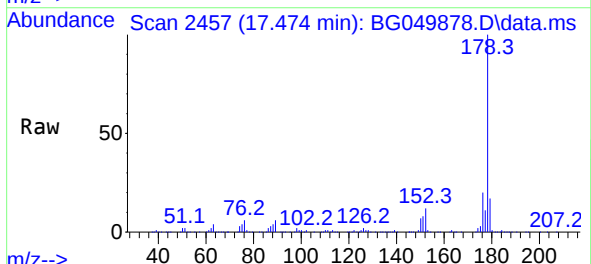
Tgt Ion:188 Resp: 175210
Ion Ratio Lower Upper
188 100
94 5.7 5.4 8.0
80 6.1 3.7 5.5#

Manual Integrations
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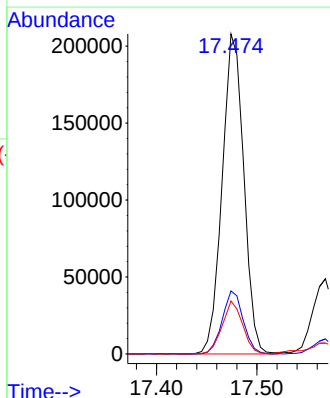
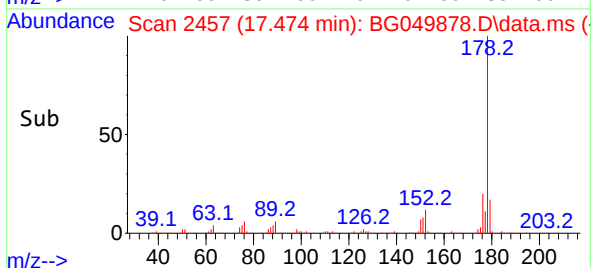
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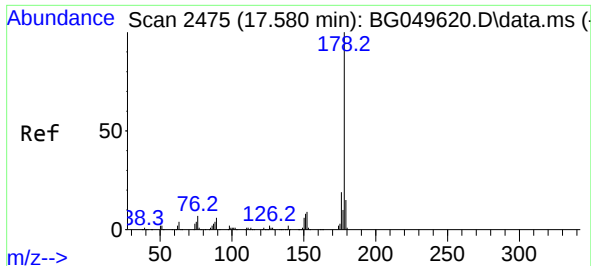


#71
Phenanthrene
Concen: 33.696 ng
RT: 17.474 min Scan# 2457
Delta R.T. -0.006 min
Lab File: BG049878.D
Acq: 17 Aug 2021 15:06



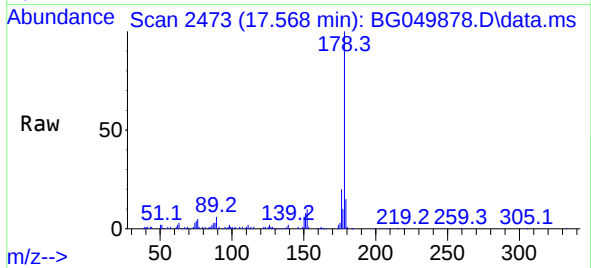
Tgt Ion:178 Resp: 310614
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 16.5 14.2 21.4





#72
 Anthracene
 Concen: 7.985 ng
 RT: 17.568 min Scan# 2473
 Delta R.T. 0.000 min
 Lab File: BG049878.D
 Acq: 17 Aug 2021 15:06

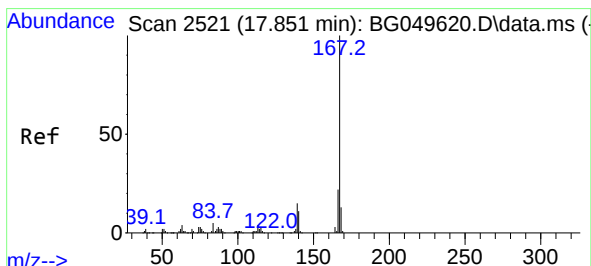
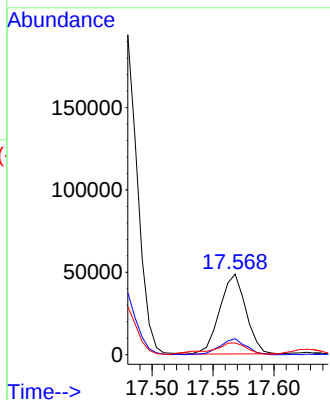
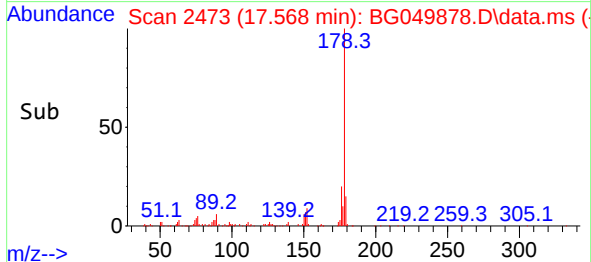
Instrument :
 BNA_G
 ClientSampled :
 28NDL



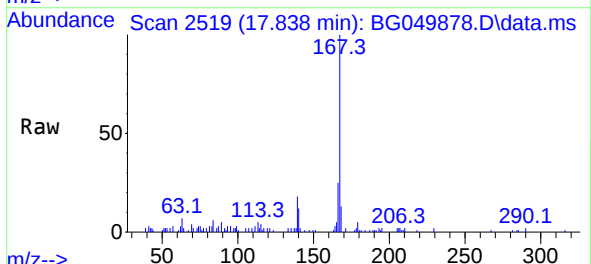
Tgt Ion:178 Resp: 72288
 Ion Ratio Lower Upper
 178 100
 176 20.0 14.6 21.8
 179 14.6 13.4 20.0

Manual Integrations
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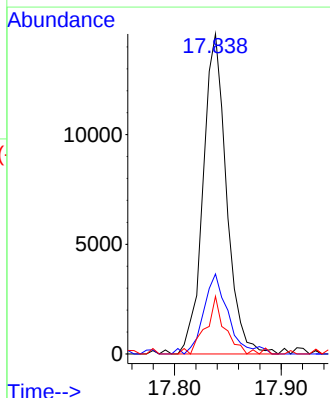
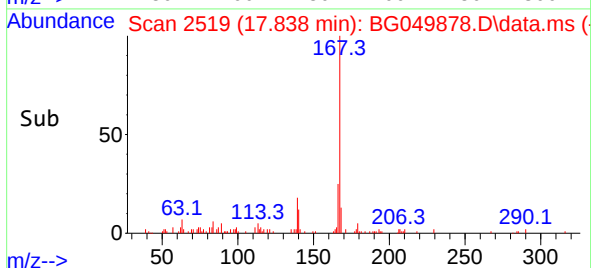
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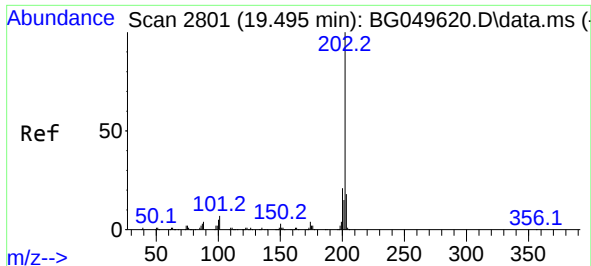


#73
 Carbazole
 Concen: 2.601 ng
 RT: 17.838 min Scan# 2519
 Delta R.T. 0.000 min
 Lab File: BG049878.D
 Acq: 17 Aug 2021 15:06



Tgt Ion:167 Resp: 22298
 Ion Ratio Lower Upper
 167 100
 166 25.0 17.4 26.2
 139 18.0 10.7 16.1#





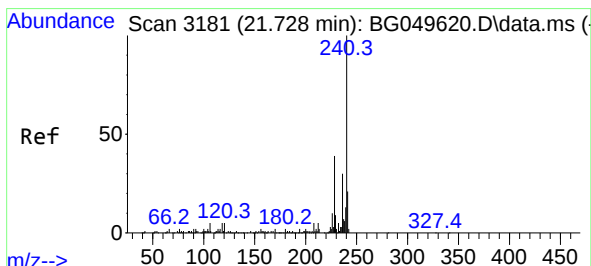
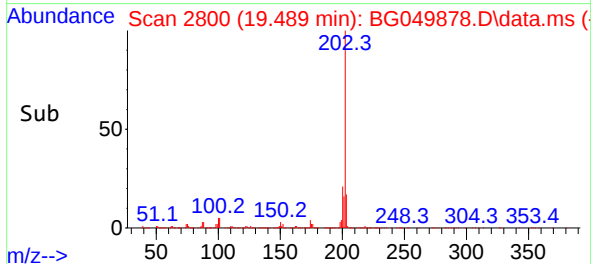
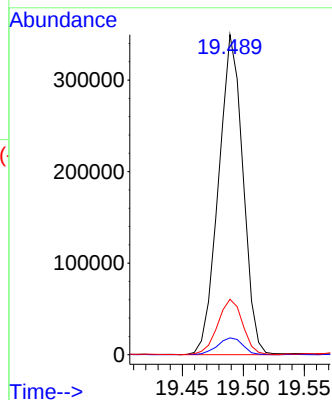
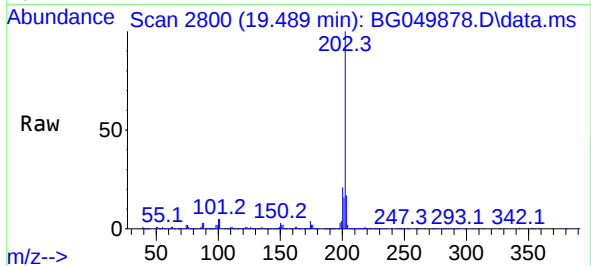
#75
Fluoranthene
Concen: 43.011 ng
RT: 19.489 min Scan# 2800
Delta R.T. 0.000 min
Lab File: BG049878.D
Acq: 17 Aug 2021 15:06

Tgt Ion:202 Resp: 487880
Ion Ratio Lower Upper
202 100
101 5.3 0.0 24.7
203 17.3 0.0 38.5

Instrument :
BNA_G
ClientSampled :
28NDL

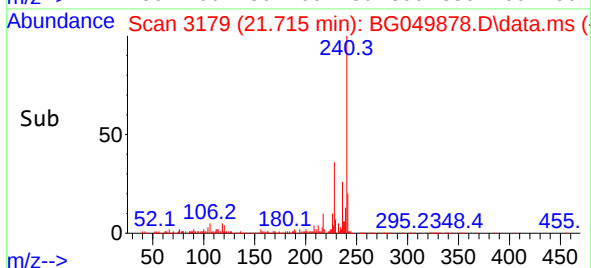
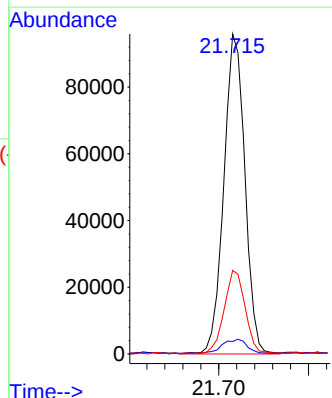
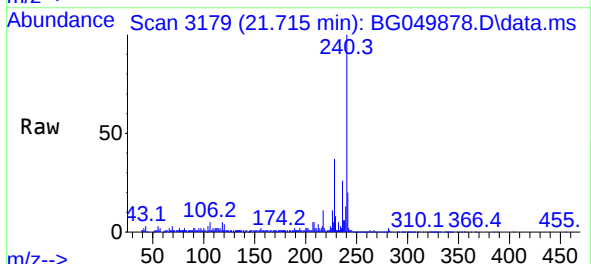
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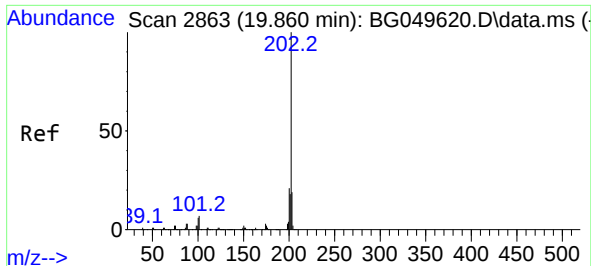
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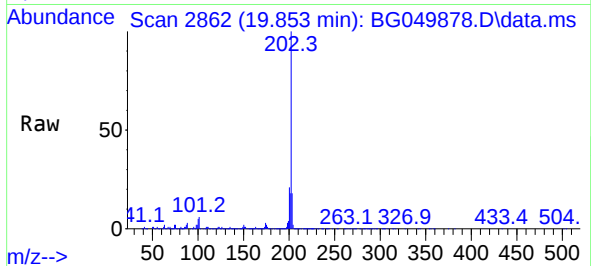
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.715 min Scan# 3179
Delta R.T. -0.006 min
Lab File: BG049878.D
Acq: 17 Aug 2021 15:06

Tgt Ion:240 Resp: 155933
Ion Ratio Lower Upper
240 100
120 3.9 4.2 6.2#
236 26.1 21.8 32.6

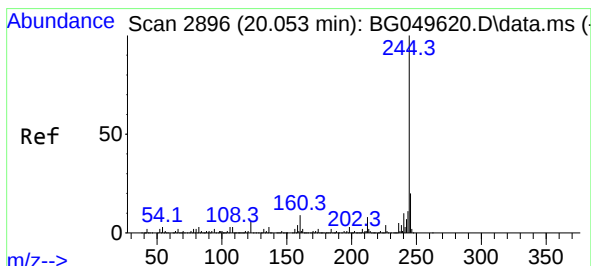
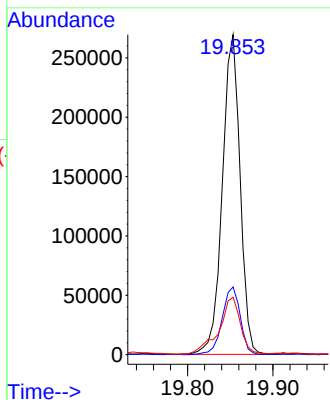
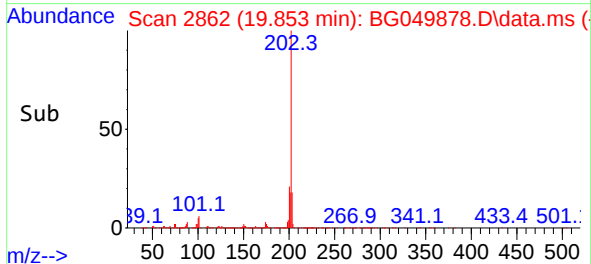




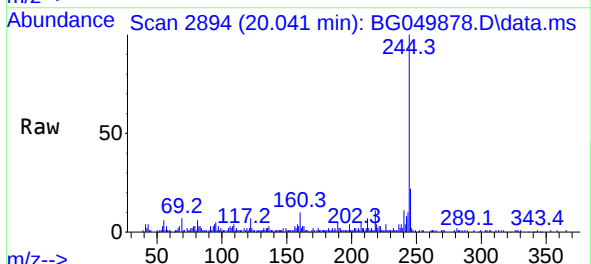
#78
Pyrene
Concen: 36.780 ng
RT: 19.853 min Scan# 2862
Delta R.T. 0.000 min
Lab File: BG049878.D
Acq: 17 Aug 2021 15:06



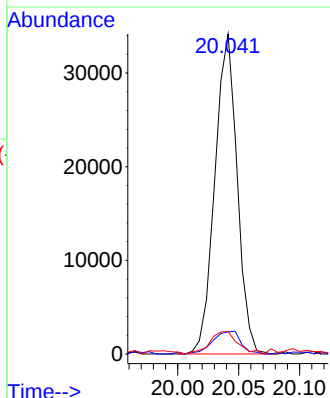
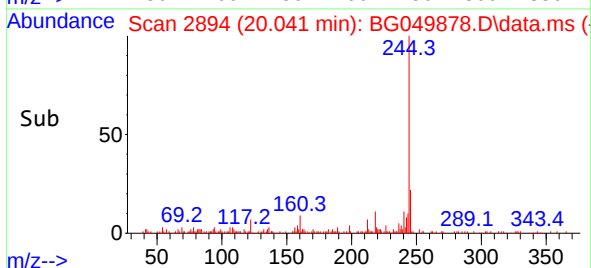
Tgt Ion:202 Resp: 391001
Ion Ratio Lower Upper
202 100
200 21.2 15.8 23.8
203 18.0 14.6 21.8



#79
Terphenyl-d14
Concen: 5.068 ng
RT: 20.041 min Scan# 2894
Delta R.T. -0.006 min
Lab File: BG049878.D
Acq: 17 Aug 2021 15:06



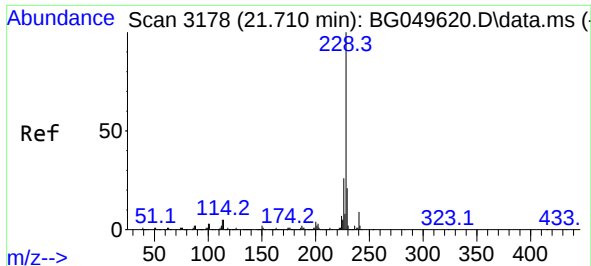
Tgt Ion:244 Resp: 43509
Ion Ratio Lower Upper
244 100
212 6.9 6.9 10.3
122 7.0 5.0 7.6



Instrument :
BNA_G
ClientSampleId :
28NDL

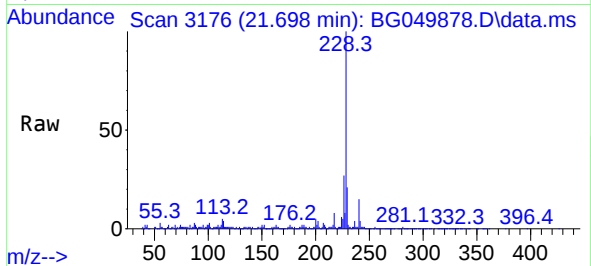
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#81
Benzo(a)anthracene
Concen: 19.730 ng
RT: 21.698 min Scan# 3176
Delta R.T. 0.000 min
Lab File: BG049878.D
Acq: 17 Aug 2021 15:06

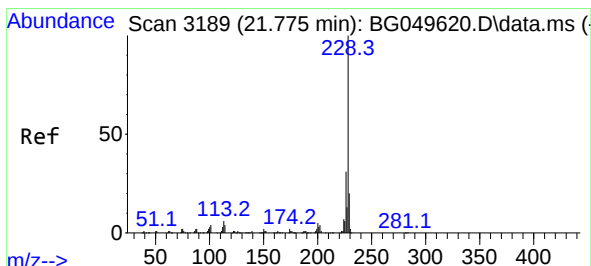
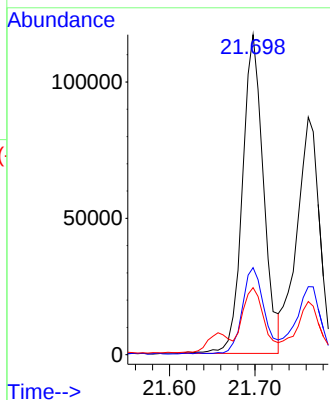
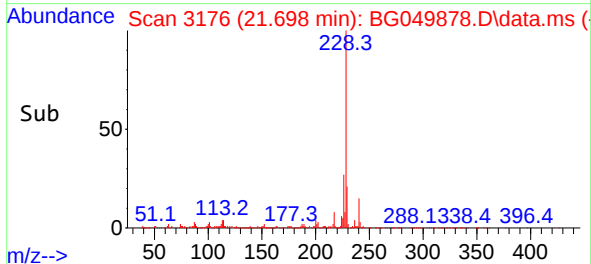
Instrument :
BNA_G
ClientSampleId :
28NDL



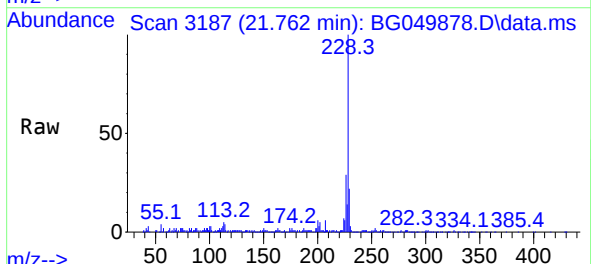
Tgt Ion:228 Resp: 200354
Ion Ratio Lower Upper
228 100
226 27.2 22.7 34.1
229 21.0 16.0 24.0

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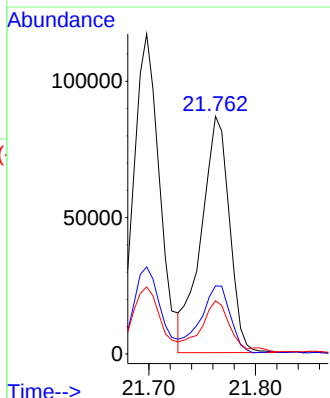
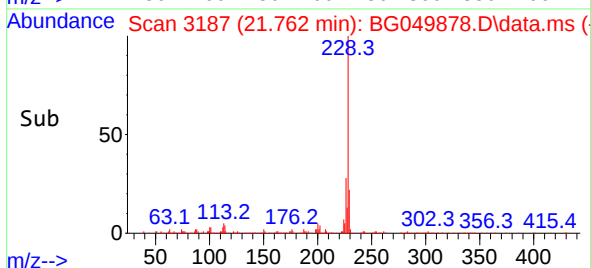
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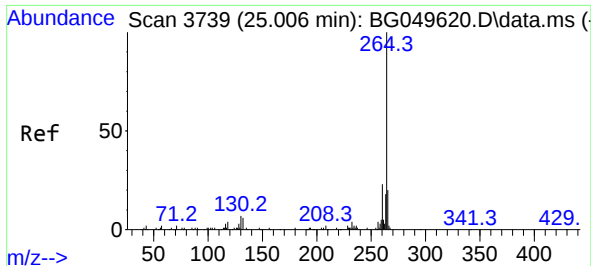


#83
Chrysene
Concen: 16.431 ng
RT: 21.762 min Scan# 3187
Delta R.T. -0.006 min
Lab File: BG049878.D
Acq: 17 Aug 2021 15:06



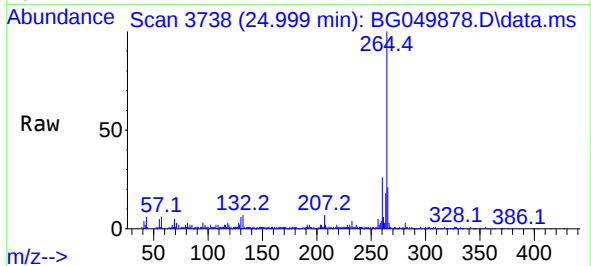
Tgt Ion:228 Resp: 159500
Ion Ratio Lower Upper
228 100
226 28.6 23.1 34.7
229 22.3 15.3 22.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.999 min Scan# 3738
Delta R.T. 0.012 min
Lab File: BG049878.D
Acq: 17 Aug 2021 15:06

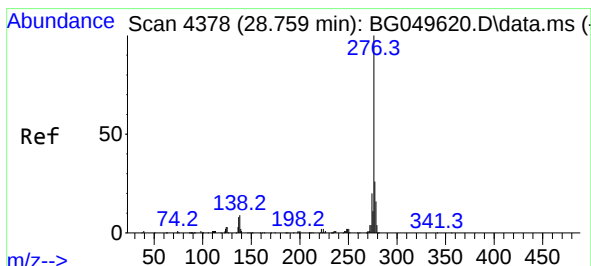
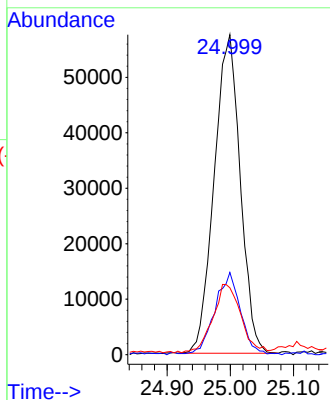
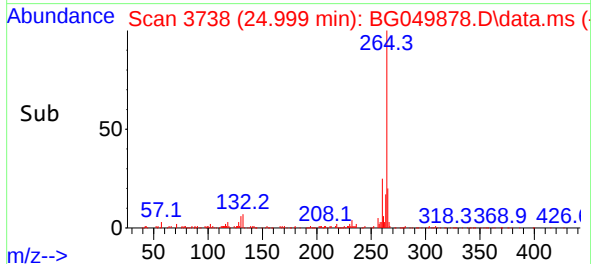
Instrument :
BNA_G
ClientSampled :
28NDL



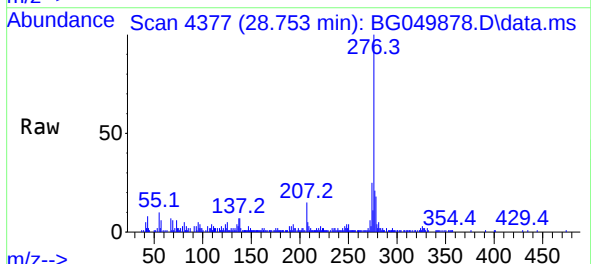
Tgt Ion:264 Resp: 164596
Ion Ratio Lower Upper
264 100
260 25.7 19.4 29.2
265 20.9 16.9 25.3

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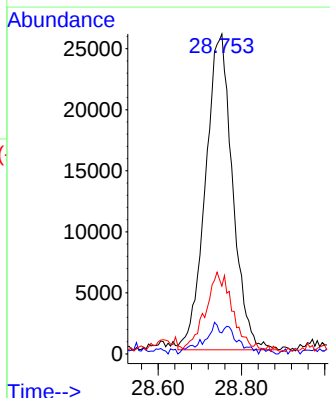
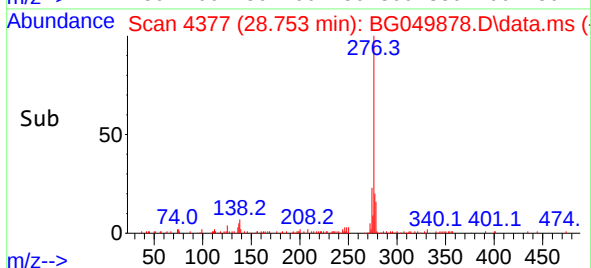
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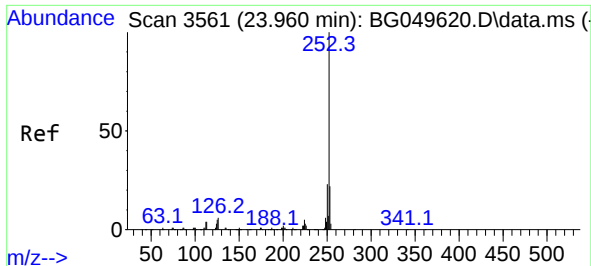


#87
Indeno(1,2,3-cd)pyrene
Concen: 9.854 ng
RT: 28.753 min Scan# 4377
Delta R.T. 0.018 min
Lab File: BG049878.D
Acq: 17 Aug 2021 15:06



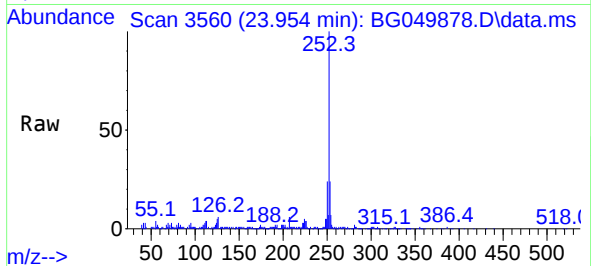
Tgt Ion:276 Resp: 116972
Ion Ratio Lower Upper
276 100
138 4.7 5.1 7.7#
277 0.0 19.8 29.6#





#88
Benzo(b)fluoranthene
Concen: 21.409 ng
RT: 23.954 min Scan# 3560
Delta R.T. 0.000 min
Lab File: BG049878.D
Acq: 17 Aug 2021 15:06

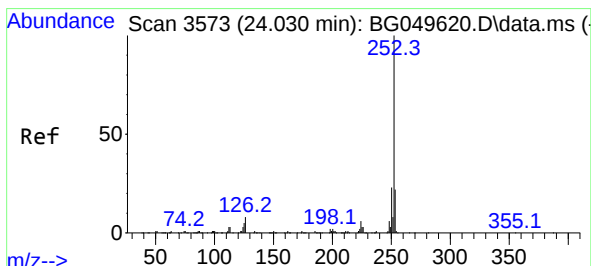
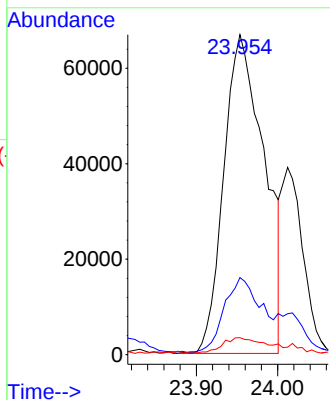
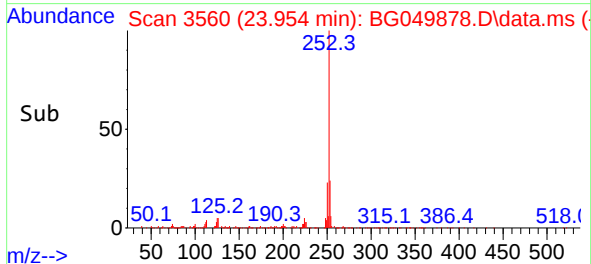
Instrument :
BNA_G
ClientSampled :
28NDL



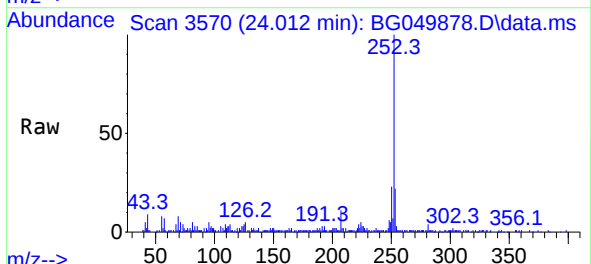
Tgt Ion:252 Resp: 231110
Ion Ratio Lower Upper
252 100
253 24.1 16.2 24.4
125 5.3 3.0 4.4#

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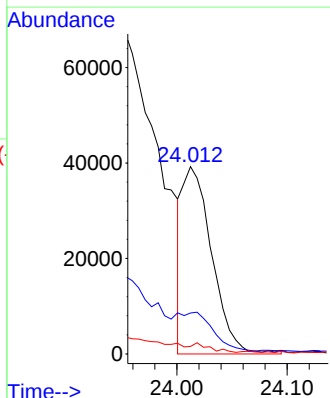
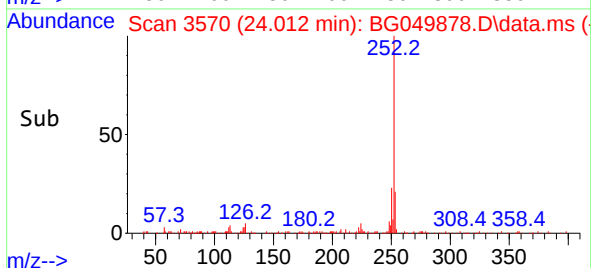
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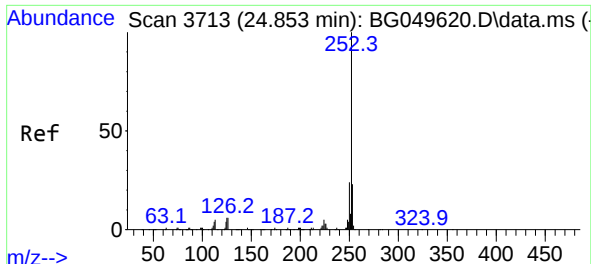


#89
Benzo(k)fluoranthene
Concen: 7.175 ng m
RT: 24.012 min Scan# 3570
Delta R.T. -0.006 min
Lab File: BG049878.D
Acq: 17 Aug 2021 15:06



Tgt Ion:252 Resp: 72251
Ion Ratio Lower Upper
252 100
253 21.9 18.0 27.0
125 4.0 3.1 4.7





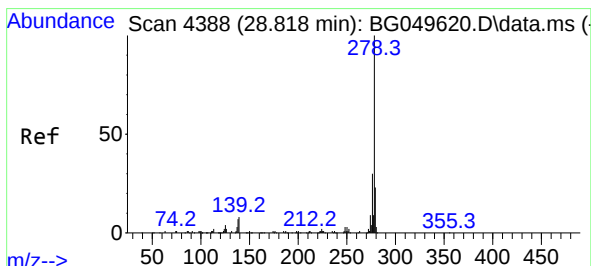
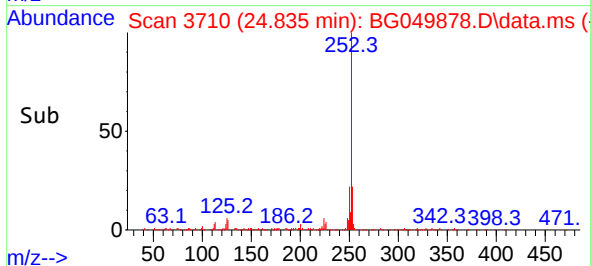
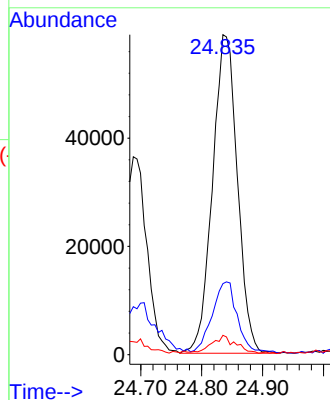
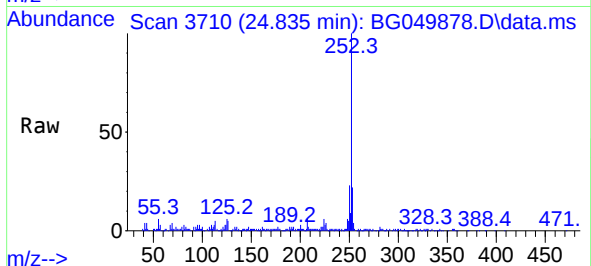
#90
Benzo(a)pyrene
Concen: 17.080 ng
RT: 24.835 min Scan# 3710
Delta R.T. -0.006 min
Lab File: BG049878.D
Acq: 17 Aug 2021 15:06

Tgt Ion:252 Resp: 166858
Ion Ratio Lower Upper
252 100
253 22.2 16.6 25.0
125 6.1 3.5 5.3#

Instrument :
BNA_G
ClientSampled :
28NDL

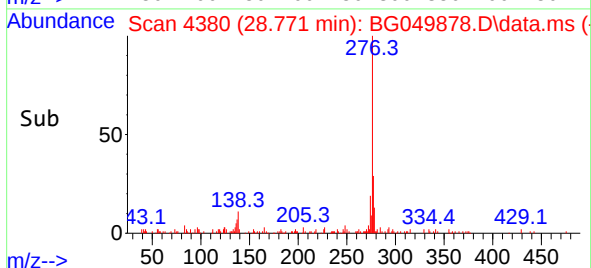
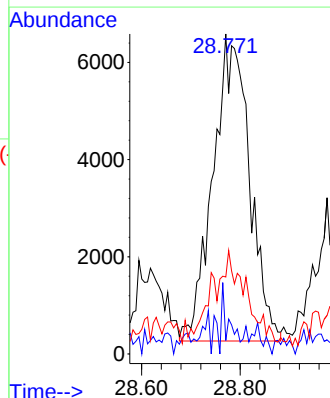
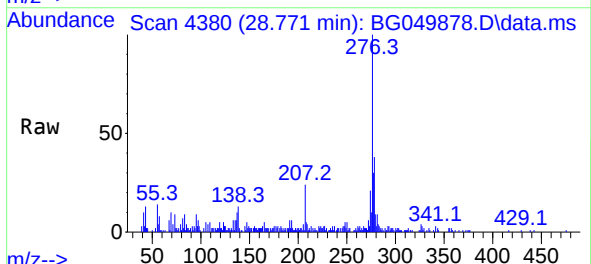
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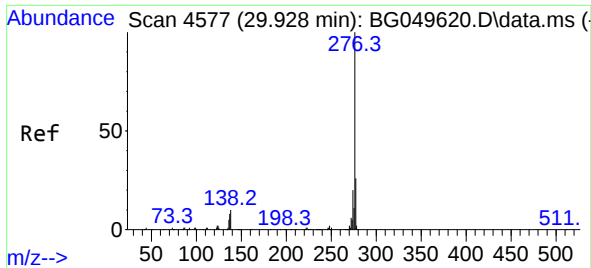
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#91
Dibenzo(a,h)anthracene
Concen: 3.241 ng m
RT: 28.771 min Scan# 4380
Delta R.T. -0.029 min
Lab File: BG049878.D
Acq: 17 Aug 2021 15:06

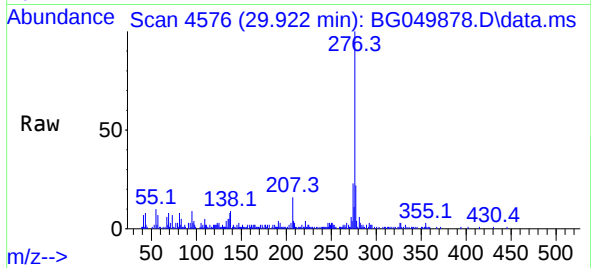
Tgt Ion:278 Resp: 32417
Ion Ratio Lower Upper
278 100
139 4.2 4.6 6.8#
279 24.0 17.9 26.9





#92
Benzo(g,h,i)perylene
Concen: 11.388 ng
RT: 29.922 min Scan# 4576
Delta R.T. 0.006 min
Lab File: BG049878.D
Acq: 17 Aug 2021 15:06

Instrument :
BNA_G
ClientSampleId :
28NDL



Tgt Ion:276 Resp: 111602
Ion Ratio Lower Upper
276 100
277 21.6 18.4 27.6
138 8.9 7.0 10.6

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